2025 PTO QUICK REFERENCE CATALOG

MUNCIE®

A MEMBER OF INTERPUMP GROUP

QUICK REFERENCE CATALOG

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Obsolesence Notice:
Throughtout this book obsolete PTO model numbers and input gears are grayed out. Input gears will be available as service parts only, until inventory is depleted.

Muncie® Power Products
A Member of the Interpump Group

201 East Jackson Street, Muncie, Indiana 47305
800-367-7867 • Fax: 765-284-6991 • info@munciepower.com

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QUICK REFERENCE CATALOG

This Muncie Power Products Quick Reference Catalog is designed to provide you and your customers with the most current PTO application information.

HOW TO USE THIS CATALOG

Successful power take-off selection requires correct transmission identification. Manufacturer's line tickets are not always reliable. Transmissions should be identified by the transmission manufacturer's tag located in various positions, depending on the manufacturer and the specific transmission. If unable to make positive identification, consult the nearest Muncie Power Products warehouse.

Once transmission is correctly identified, PTO selection is relatively simple.

The index lists all manufacturers of popular U.S. transmissions and many foreign transmissions now in use for mobile power applications.

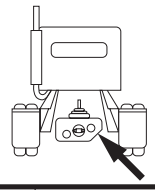
Each index page for gear driven PTOs provides the following information:

1. Transmission number, as well as all other transmission numbers with identical PTO drive data.
2. Number of forward speeds.
3. Number of teeth on PTO drive gear for I.D. purposes.
4. The correct application number.

LET. CODE (1)	MAKE MODEL	NO. FWD. SP'DS (2)	DIRECT DRIVE IN.	TEETH IN PTO DRIVER (3)	PTO APPL. NO. (4)
	FORD				
	TORQSHIFT 6R140 DIESEL (2011 & LATER DIESEL) F-250–F-550 ONLY.....6	4th		52L	FORD-08

Each application page for gear driven PTOs provides the following information:

1. Transmission model numbers.
2. PTO opening size. SAE (Society of Automotive Engineers) or Metric (non-standard)
3. PTO drive gear data: No. of teeth and pitch, location within the opening, PLV (pitch line velocity) in FPM (feet per minute), PLMF (pitch line of gear to the mounting face of transmission), and gear RPM at 1,000 engine RPM.
4. Each available PTO.
5. Footnotes indicating any known obstructions or special requirements.
6. Output shaft direction of rotation (see page 37).
7. Output shaft speed as a percent to engine speed.
8. Any Adapter which would be required to mount the PTO.
9. Any Spacer(s) which are required to mount the PTO.
10. Required Stud Kit to mount the PTO.
11. The standard shift type included with PTO.
12. PTO Torque and HP rating @ 1,000 RPM at the PTO Output (Intermittent Duty).

FORD TRANSMISSION		LEFT SIDE ONLY (RIGHT SIDE TURN PAGE)	
MUNCIE®	SUPER DUTY CHASSIS F-250–F-550 TORQSHIFT (6R140 6-SPEED) 2011–2016 (Diesel Only) 4x2 OR 4x4 AUTOMATIC (1) Footnotes (1, 2, 5, 6, 7, 8)	(2) FORD 6-BOLT OPENING PTO DRIVE GEAR DATA: (3) 52T 12.09P 20° PA Spur LOCATION: Front PLMF: 3.439 PLV: 1,126 FPM RPM: 1,000	

6-BOLT TYPE	PTO MODEL NUMBER (4)	FOOT NOTES (5)	SHAFT ROTATION (6)	ENGINE % HI (7)	ENGINE % LO (7)	ENGINE % REV (7)	ADAPTER (8)	SPACER (9)	STUD KIT (10)	SHIFT TYPE (11)	INTERMITTENT RATING @ 1000 RPM of PTO TORQUE (12)	INTERMITTENT RATING @ 1000 RPM of PTO HP (12)

All information included in the Muncie Power QR PTO Quick Reference Catalog is complete and correct to the best of our knowledge, compiled from reliable and official sources with information available at the time of publication. However, we cannot assume any responsibility for errors.

This catalog and the telephone number of your nearest Muncie Power warehouse are all you need to order the correct PTO. A Muncie Power Products specialist will provide assistance upon your request.

Prior catalogs may contain old model numbers. You can order by these old numbers and Muncie Power will automatically cross-reference the numbers to new model numbers. Use the newest catalog when possible.

POWER TAKE-OFF WARRANTY

The Muncie power take-off is warranted to be free of defects in material or workmanship and to meet Muncie's standard written specifications at the time of sale. Muncie's obligation and liability under this warranty is expressly limited to repairing or replacing, at Muncie's option, within one year (two years on Allison World Transmission PTOs) after date of original installation any defective part or parts or any product not meeting the specifications.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. MUNCIE MAKES NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR ANY PARTICULAR PURPOSE. MUNCIE'S OBLIGATION UNDER THIS WARRANTY SHALL NOT INCLUDE ANY TRANSPORTATION CHARGES OR COSTS OF INSTALLATION OR ANY LIABILITY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR DELAY. THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE, AND MUNCIE'S LIABILITY WITH RESPECT TO ANY CONTRACT OR SALE OR ANYTHING DONE IN CONNECTION THEREWITH, WHETHER IN CONTRACT, IN TORT, UNDER ANY WARRANTY, OR OTHERWISE, SHALL NOT, EXCEPT AS EXPRESSLY PROVIDED HEREIN, EXCEED THE PRICE OF THE PRODUCT OR PART ON WHICH SUCH LIABILITY IS BASED.

If requested by Muncie, products or parts for which a warranty claim is made are to be returned, transportation prepaid, to a Muncie Service Center. Any installation or use not in accordance with catalog or package instructions, other improper use, operation beyond capacity, substitution of parts not approved by Muncie, use with equipment other than the equipment on which the power take-off is first installed, or alteration or repair made to the power take-off other than at a Muncie Service Center shall void this warranty. No employee or representative of Muncie is authorized to change this warranty in any way or to grant any other warranty.

GENERAL AND APPLICABLE INFORMATION

INTERMITTENT SERVICE

"Intermittent Service" as used in this catalog refers to an on/off operation under load. If maximum horsepower (HP) or torque (lb.ft.) are being used for extended periods of time (5 minutes or more every 15 minutes), then it must be considered as "Continuous Service" and the horsepower rating and service life expectation must be reduced. Applications with operations approaching both maximum HP and maximum torque is not recommended and PTO life will be limited. See pages 6–24 for PTO rating charts.

CONTINUOUS SERVICE WARNING

Applications with PTO output shaft speeds above 2,000 RPM regardless of duration are to be considered continuous duty applications. PTOs used for continuous service must be considered to have reduced horsepower capacity. In most cases, the capability is reduced by 30% of the stated rating. See pages 6-24 for PTO rating chart.

Example: 100 lb.ft. minus 30% = 70 lb.ft., or
50 HP minus 30% = 35 HP

The RL Series PTOs are not approved for continuous duty applications.

If you have any questions regarding your PTO application, consult a Muncie Power application specialist.

FIRE PUMP APPLICATIONS

Fire pump applications are continuous duty and require derating of PTO applications by a factor of 20%.

PNEUMATIC BLOWER/VACUUM APPLICATIONS

High inertia devices like pneumatic blowers, large air compressors, and vacuum pumps are severe PTO applications and great care must be taken when specifying PTOs for these applications. High speed blower/vacuum applications can be approved at speeds higher than the 2,500 RPM limit where the load ratings are low. Consult your application's specialist for assistance with these specific applications.

PTO intermittent torque ratings shown on the application pages apply to start-up torque requirements for high inertia applications using proper engagement procedures. The derated, continuous duty rating is to be applied to the application's steady state torque requirement. These requirements can be obtained from most blower manufacturers. Incorrect start-up procedures will cause PTO, driveshaft, or component failures and are not covered by manufacturer warranties. **Clutch shift type PTOs are not recommended or approved for high inertia applications.**

SEVERE DUTY

Severe duty or high service applications like blower or vacuum drives, but not limited to these applications, have varying life expectancies which can't be calculated by torque ratings alone. Other factors involved include transmission lubrication, cleanliness, heat extraction, engine characteristics, and external environmental conditions. Service intervals for transmission and lubrication cleanliness need to be reduced from the normal intervals specified in the vehicle operator's manuals. The interval should be determined by inspection and based on your maintenance records. PTO failures due to particulate contamination are not covered under PTO warranties. Contact Muncie Power Products, Inc. for application assistance.

PTO OUTPUT SHAFTS

PTO output shafts subjected to high cycles can have improved product life by using the largest PTO output shaft available. This includes remote drive type shafts and direct mount pump shafts.

FRETTING CORROSION

Fretting causes rapid spline wear of the PTO and hydraulic pump shafts. The wear is evident where two metal surfaces are in contact with each other and micro-movement of the two surfaces against each other wears the surfaces and typically leaves brownish residue when the surfaces are left dry. Spline failure from fretting has increased with the advent of electronically controlled diesel engines. Based upon our findings and industry reports, it is evident that failures due to fretting corrosion are not the responsibility of Muncie Power Products, Inc. and will not be covered under our stated warranty policy. Refer to the **PTO Installation and Operator's Manual** for recommended maintenance procedures for PTO output shafts.

TRANSMISSION PTO DRIVE GEAR

The gear in domestic built transmissions which drives the PTO is typically ½" to the front or ½" to the rear of the vertical centerline of the PTO opening. Foreign transmissions do not always follow this SAE and ISO standard. Reference to the PTO drive gear location is made at the top right of each application page as “Front” or “Rear”. This gear location determines the assembly arrangement of the PTO unit. Gear data is provided for the visual verification of the drive gear application.

ASSEMBLY ARRANGEMENT

Standard PTO arrangements shown in this catalog will typically provide PTO output shafts to the rear, below centerline of the opening. Check footnotes for exceptions to this standard. Available arrangements for each of the Muncie Power PTOs are shown on pages 6–24 of this section.

MOUNTING DEPTH

For standard mounting depth, the pitch line of the PTO drive gear in the transmission will be 1.085 inch from the face of the PTO mounting pad. Normal PTO design requires using one thick and one thin PTO mounting gasket. Tolerance differences in transmissions may still require additional gaskets for correct gear mesh to provide quiet operation and prevent transmission damage. (See BACKLASH)

BACKLASH

Backlash is defined as the space between meshing surfaces of the gears in gearbox devices. Space is needed for expansion caused by heat and viscosity changes in lubricants.

Refer to the **PTO Installation and Operator’s Manual** for the correct backlash adjustment procedure which is to be performed on every PTO installation. Use of a dial indicator is recommended. The recommended backlash between the transmission and PTO is from .006 to .012 inch. Too many gaskets will create too much backlash and may cause the PTO to rattle when running at no load. To correct, remove one or more gaskets. Too few gaskets may cause PTO to whine and cause difficult shifting of the PTO and transmission. To correct, add one or more gaskets. PTOs will not always make noises when improperly spaced.

Correct backlash must also be established when gear adapters are used (See ADAPTERS). Transmissions using automatic transmission fluid may have higher noise levels caused by the thinner consistency of the lubricant and the large PTO drive gear in the transmission.

ADAPTERS

Adapters are normally used to reverse rotation of the PTO output and to clear mounting obstructions (See pages 33–35 of this section). Standard adapters will move the PTO outward from the transmission approximately three inches. Where adapters are shown on an application sheet with a PTO listing, the adapter is required because of a design problem and must be used as shown. Adapters often reduce horsepower ratings and service life. Adjustments to the application rating are noted in the footnotes found on the adapter gear page 35.

To establish the correct backlash when using a gear adapter, first bench mount the PTO to the adapter. Set aside the gasket set that yielded correct backlash. Then mount the adapter to the transmission, establishing correct backlash there.

PTO SPEEDS

PTO speeds are shown on each application page as a percentage of engine speed. For example, if a PTO is listed as 65%, and the truck engine is running at 1,000 RPM, the PTO shaft will be rotating at 650 RPM. If the truck engine is accelerated to 1,800 RPM, the same PTO will increase in speed to 1,170 RPM (.65 × 1,800 = 1,170).

This catalog typically shows only PTO percentages between 40% to 150% on single speed PTOs and 40% to 200% on reversible PTOs. If your application requires a percentage other than what is shown, please contact Muncie Power for assistance.

Note: The maximum advertised speed for the Muncie Power Series PTO output shaft is 2,500 RPM.

ROTATION

The rotation shown for each PTO on the application sheets specifies “crnk” or “opp”, indicating rotation of the PTO output shaft in relation to the rotation of the engine crankshaft. All engine crankshafts rotate in the same direction; CW when viewed from the front of the engine. See page 37 for a more detailed description.

INSTALLATION INTERFERENCE

Muncie Power Products, Inc. provides power take-off products based upon data provided by transmission manufacturers. We also address known issues related to chassis applications. Due to variations of vehicle manufacturers and the location of components mounted in proximity of the PTO and driven components, it is not possible to list all interference issues with regards to PTO installations within this catalog. Therefore, the installers of our products should pay particular attention to potential interference points due to the motion of the engine/transmission/PTO assembly in relation to fixed components on the chassis. Care should also be taken when mounting products near heat sources such as exhaust systems. Adequate insulation should be installed to prevent damage. It is the responsibility of the installer or up-fitter to examine possible interference issues and resolve them prior to releasing any installation. Contact Muncie Power's customer service team when issues are found and we will work with you to resolve them.

INSTALLATION

Limited information is included in this catalog regarding installation of the PTO. Should more information be desired, request a copy of the **PTO Installation and Operator’s Manual** before you order the PTO. Installation manuals are supplied with every PTO.

DIRECT MOUNT HYD. PUMP INSTALLATIONS

It is recommended that direct mounted hydraulic pumps be supported to the transmission with a 4-point support bracket. The bracket is to be attached at the transmission with two attachment bolts and at the pump with two attachment bolts in order to prevent movement of the pump in all directions. Guidelines are found in the **PTO Installation and Operator’s Manual**. Pump weight, size, and type are variables which contribute to the requirement for the use of a bracket, but system cycles, terrain, and other external influences can be factors in determining the requirements for proper installation. Hydraulic pumps with a combined weight of 40 lbs. (pump, fittings, hose, oil, etc.) must be supported. Refer to the **PTO Installation and Operator’s Manual** for further recommendations.

WHAT YOU NEED TO KNOW TO ORDER A PTO

1. TRANSMISSION MAKE AND MODEL NUMBER.
MUST KNOW ABSOLUTELY BEFORE PROCEEDING.

2. FIND THE APPLICATION PAGE USING THE INDEX SECTION OF THIS CATALOG.

3. EXAMINE THE VEHICLE AND TRANSMISSION FOR OBSTRUCTIONS AND INTERFERENCE OF PTO AND ACCESSORIES.

4. ON WHICH SIDE WILL THE PTO BE MOUNTED; DRIVER (LEFT), CURB (RIGHT), OR BOTTOM?

5. WHAT IS BEING DRIVEN BY THE PTO: HOIST PUMP, BLOWER, WINCH, REFUSE SYSTEM?

6. WHAT PTO % OR WHAT PTO SHAFT RPM IS REQUESTED?

7. DOES THE SHAFT ROTATION MAKE ANY DIFFERENCE?

8. WILL A PUMP BE DIRECTLY MOUNTED TO THE PTO OR A DRIVESHAFT? REFER TO PAGES 25–26 FOR POSSIBLE PTO OPTIONS & DIMENSIONS.

9. WHAT IS THE SHIFT METHOD: CABLE, AIR, ELECTRIC/AIR, LEVER, OR CLUTCH SHIFT?

10. PLACE ORDER.

NOTE: IF REPLACING AN EXISTING PTO, FOLLOW THESE TIPS

- GET THE TAG NUMBER AND/OR THE INPUT GEAR NUMBER FROM THE PTO.

- DETERMINE IF PTO HAS FAILED FROM:
    - OLD AGE (INTERCHANGE TO NEW PART #)
    - ABUSE (REVIEW APPLICATION)
    - BAD APPLICATION (REVIEW APPLICATION)

- ALSO DETERMINE IF OPERATION HAS BEEN SATISFACTORY
    - CORRECT SPEED
    - CORRECT ROTATION
    - CORRECT FIT

- IF CUSTOMER SAYS THAT OPERATION HAD BEEN LESS THAN SATISFACTORY, NOW IS THE TIME TO MAKE CORRECTIONS.

TG SERIES MECHANICAL SHIFT

MODEL NUMBER CONSTRUCTION

TG-6S-U60-04 C-1-B-X

PTO Type
- TG — Triple Gear

Mounting Options
- 6S — SAE 6-Bolt Std. Mtg.
- 6D — SAE 6-Bolt Non-Std. Mtg. (S68)
- 6N — SAE 6-Bolt Non-Std. Mtg. (Spcr. S71)
- 8S — SAE 8-Bolt Std. Mtg.
- 8D — SAE 8-Bolt Non-Std. Mtg.
- 8F — SAE 8-Bolt Non-Std. Mtg. — Eaton Endurant (E70 & E80)
- 6B — SAE 6-Bolt Std. Mtg. — Metric Studs
- 6L — SAE 6-Bolt Std. Mtg. — Less Stud Kit
- 8B — SAE 8-Bolt Std. Mtg. — Metric Studs
- 8L — SAE 8-Bolt Std. Mtg. — Less Stud Kit

OBSOLETE Mounting Options *
- *8M — SAE 8-Bolt Extra Deep Mtg.*
- *6A — SAE 6-Bolt Std. Mtg. w/29TK3863 (for N56)*
- *6C — SAE 6-Bolt Non-Std. Mtg. — Metric Studs*
- *6F — SAE 6-Bolt Std. w/Dowel Pins — Metric Studs (F84)*
- *6K — SAE 6-Bolt Non-Std. Mtg. — Less Stud Kit*
- *8C — SAE 8-Bolt Non-Std. Mtg. — Metric Studs*
- *8K — SAE 8-Bolt Non-Std. Mtg. — Less Stud Kit*

Transmission Input Gear Options

A69 — Allison	6.86P 20° PA Spur
E70 — Eaton	7.055P 20° PA Spur
E80 — Eaton	8.048P 20° PA 28.98 RH
F63 — Fuller	6.35P 20° PA 22° LH
F66 — Fuller	6.65P 20° PA 21.5° LH
F70 — Fuller	7P 23° PA 26° LH
M65 — Mack	6.48P 17° 30' PA Spur
S71 — Tremec/Spicer	7P 17.5° PA 18° LH
S68 — Universal	6P or 6/8P 20° PA Spur Deep Reach
U60 — Universal	6P 20° Spur, Full Addendum
U68 — Universal	6P or 6/8P 20° PA Spur
Kit — None	Less Input Gear

OBSOLETE Transmission Input Gears *

I84 — Aisin	*8.46P 20° PA Spur **
C57 — Clark	*5.7P 25° PA 38.7° LH **
C60 — Clark	*6.100P 25° PA 18° 40' 48" RH **
C61 — Clark	*6.100P 25° PA 32° 16' 48" LH **
C70 — Clark	*7P 25° PA 30° 46' 48" LH **
C76 — Clark	*7.6168P 18° 29' 22" 23° 12' 57" LH **
D94 — Dodge	*9.41P 18.33° PA 26.47° RH **
F10 — Fuller	*10.1P 20° PA Spur **
F11 — Fuller	*10.1P 21.5° PA Spur **
F61 — Fuller	*6.1P 20.5° PA 29° LH **
F62 — Fuller	*6.27P 22.5° PA Spur **
F65 — Fuller	*6.5P 20° PA 23° LH **
F75 — Fuller	*7.5P 22° PA 15° LH **
F84 — Fuller	*8.38P 18° PA 33.1° LH **
F89 — Fuller	*8.97P 17° PA 30.25° LH **
G73 — GMC	*7.3449P 20° PA 24° LH **
M80 — Mercedes	*8.04P 17.5° PA 26.97° LH **
M83 — Mercedes	*8.38P 17.5° PA 24.97° LH **
N81 — New Process	*8.116P 20° PA 33° 30' LH **
N10 — New Venture	*10.4019P 20° PA 34.5° LH **
N79 — New Venture	*7.94P 22.5° PA 30° LH **
N80 — New Venture	*7.99P 22.19° PA 29° LH **
N56 — Nissan	*5.64P 20° PA Spur **
S60 — Tremec/Spicer	*6P 17.5° PA 26° 10' 37" LH **
S61 — Tremec/Spicer	*6P 17.5° PA 22.25° LH **
S63 — Tremec/Spicer	*6.1P 20° PA 23.15° LH **
S70 — Tremec/Spicer	*7P 17.5° PA 28° 4' 23" LH **
S73 — Tremec/Spicer	*7P 22.5° PA 19° RH **
T81 — Tremec	*8.1P 20° PA 29.47° RH **
T82 — Tremec	*8.19P 20° PA 29.9° LH **
U57 — Universal	*5 or 5/7P 20° Spur **
U62 — Universal	*6P 25° PA Spur **
X68 — Universal	*6P or 6/8P 20° PA Spur, Full Dedendum **
W80 — Warner	*8.0829P 20° PA 30° LH **
Z10 — Zed F	*10.3673P 20° LH **
Z92 — Zed F	*9.2364P 20° PA 36° LH **
Z98 — Zed F	*9.96078P 20° RH **
Z99 — Zed F	*9.96078P 20° RH **

Special Feature Options
- X — None
- A — Inverted Air Cover
- G — Greaseable Shaft (K, P, & V Only)
- H — High Torque (12, 13, 15, & 18 Only) Std.
- I — Dual Terminal Indicator
- J — High Torque—Pressure Lube (12, 13, 15 & 18 Only)
- P — Pressure Lube (Optional)

OBSOLETE Special Feature Options *
- *E — U60 w/Std. Gasket Pack*
- *F — Clearance Idler Cap*
- *M — Clearance Idler Cap*
- *Q — Clearance Idler Cap–High Torque*
- *V — U60 w/Std. Gasket Pack, Milled Idler Cap*
- *7 — Remote Pressure Switch*

Output Options
- B — 1¼" Round Keyed Shaft
- I — DIN 5462
- K — SAE "B" ⅞" -13T, SAE "B" 2- & 4-Bolt
- P — SAE "BB " 1" -15T, SAE "BB" 2- & 4-Bolt
- Q — SAE "B" ⅞" -13T, SAE "A" 2-Bolt
- R — SAE "A" ⅝" -9T, SAE "A" 2-Bolt
- S — SAE "B" ⅞" -13T, SAE "B" 2-Bolt
- T — SAE ¾" -11T, SAE "A" 2-Bolt

OBSOLETE Output Options *
- *C — 1410 Companion Flange **
- *F — SAE "A" 2-Bolt **
- *G — Special **
- *L — SAE "B" 2- or 4-Bolt, Low Box Mount **
- *M — SAE "A" ⅝" -9T, SAE "A" 2- & 6-Bolt **
- *X — 1¼" –20T Spline for Companion Flange **
- *Z — SAE "C" 1¼" -14T, SAE "B" 2- & 4-Bolt **
- *2 — DIN 100 Companion Flange **

Assembly Arrangements
- 1 — Right Side Shaft Low
- 2 — Right Side Shaft Low, Gear to Rear
- 3 — Left Side Shaft Low
- 4 — Left Side Shaft Low, Gear to Rear

Shift Options
- A — 12 V Manual Air
- C — Cable Shift
- E — 12 V Electric/Air
- M — Constant Mesh (U6004)
- P — Manual Air (Less Installation Kit)
- Z — Cable (A69)
- 4 — 12 V Manual Air (A69)
- 5 — 12 V Electric/Air (A69)

OBSOLETE Shift Option *
- *F — 24 V Electric/Air **
- *H — 12 V Hydraulic Shift **
- *J — 24 V Hydraulic Shift **
- *K — 24 V Manual Air **
- *N — Special Electric/Air (N56) *; ***
- *S — Lectra Shift **
- *T — E-Hydra **
- *6 — Lectra Shift (A69) **
- *9 — 12 V Hydraulic Shift (A69 Only) **

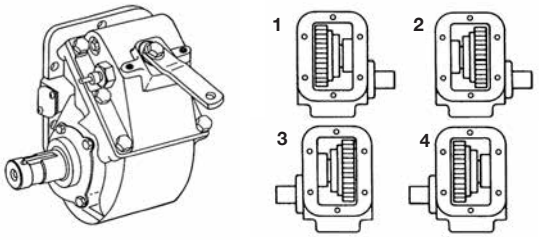
Speed Ratios

04 — .361:1	09 — .923:1
05 — .470:1	12 — 1.170:1
06 — .613:1	13 — 1.333:1
07 — .724:1	15 — 1.500:1
08 — .885:1	18 — 1.720:1

NOTES: * Obsoleted input gears will be available as service parts only, until inventory is depleted.
** Requires Special Kit

ASSEMBLY ARRANGEMENTS

SAE Recommended Practice J772 Envelope Type II



Approximate Weights: 22 lbs. (10.0 Kg.) 6-Bolt; 25 lbs. (11.34 Kg.) 8-Bolt

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)	Continuous Torque lbs.ft. (Nm)
04	54 (40)	285 (386)	200 (270)
05	51 (38)	270 (366)	189 (256)
06	47 (35)	245 (332)	172 (232)
07	44 (33)	230 (312)	161 (218)
08	44 (33)	230 (312)	161 (218)
09	39 (29)	205 (278)	144 (195)
12H	40 (30)	210 (284)	147 (199)
13H	40 (30)	210 (284)	147 (199)
15H	37 (28)	195 (264)	137 (185)
18H	33 (25)	175 (237)	123 (166)

SH SERIES MECHANICAL SHIFT

MODEL NUMBER CONSTRUCTION

SH-8S-U68-12 A-1-B-X

PTO Series
- SH — SH Series

Mounting Options
- 6S — SAE 6-Bolt Std. Mount
- 6B — SAE 6-Bolt Std. – Metric
- 6C — SAE 6-Bolt Deep – Metric
- 6D — SAE 6-Bolt Deep Mount)
- 6K — SAE 6-Bolt Deep – Less Stud Kit
- 6L — SAE 6-Bolt Std. – Less Stud Kit
- 6N — SAE 6-Bolt Non-Std. Mtg. – Jatco
- 8S — SAE 8-Bolt Std. Mount
- 8B — SAE 8-Bolt Std. – Metric
- 8C — SAE 8-Bolt Deep – Metric
- 8D — SAE 8-Bolt Deep Mount
- 8F — SAE 8-Bolt Special – E80
- 8K — SAE 8-Bolt Deep – Less Stud Kit
- 8L — SAE 8-Bolt Std. – Less Stud Kit

Transmission Input Gear Options
- E80 — Eaton/PACCAR 8.05P 20°PA 28.9RH
- F10 — Fuller 10.1P 20°PA Spur
- F11 — Fuller 10.1P 21.5°PA Spur
- F61 — Fuller 6.1P 20.5° PA 29°LH
- F84 — Fuller 8.38P 18°PA 33.1° LH
- F85 — Fuller 8.55P 21°PA Spur
- M65 — Mack 6.48P 17.5°PA Spur
- S71 — Spicer 7P 17.5° PA 18°LH
- S73 — Spicer 7P 22.5° PA 19°LH
- S68 — Universal 6P or 6/8P 20°PA Spur
- U60 — Universal 6P 20°PA Spur
- U68 — Universal 6P or 6/8P 20°PA Spur

OBSOLETE Transmission Input Gear Options *
- *F63 — Fuller 6.35P 20° PA 22° LH **
- *F66 — Fuller 6.65P 20° PA 21.5° LH **
- *F70 — Fuller 7.0P 23°PA 26° LH **
- *S60 — Spicer 6P 17.5°PA 26.17° LH **
- *S70 — Spicer 7P 17.5°PA 26.07° LH **

Special Feature Options
- X — None
- P — Pressure Lube
- R — Pulse Generator/No Pressure Lube
- S — Pulse Generator/Pressure Lube

Output Options
- B — 1¼" Round Keyed Shaft
- C — 1410 Companion Flange
- E — SAE "C" 1¼" -14T, SAE "C" 2- & 4-Bolt
- I — DIN 5462
- K — SAE "B" ⅞" -13T, SAE "B" 2- & 4-Bolt
- P — SAE "BB" 1" -15T, SAE "B" 2- & 4-Bolt
- Q — SAE "B" ⅞" -13T, SAE "A" 2-Bolt
- S — SAE "B" ⅞" -13T, SAE "B" 2-Bolt
- T — SAE ¾" -11T, SAE "A" 2-Bolt
- Z — SAE "C" 1¼" -14T, SAE "B" 2- & 4-Bolt
- 2 — DIN 100 Companion Flange

Assembly Arrangements
- 1 — Right Side Shaft Low
- 3 — Left Side Shaft Low

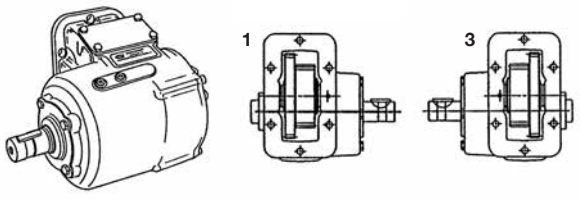
Shift Options
- A — Manual Air
- E — 12 V Electric/Air
- F — 24 V Electric/Air
- K — 24 V Manual/Air
- M — Constant Mesh
- P — Manual Air (Less Installation Kit)

Speed Ratios
- 05 — .47:1
- 07 — .70:1
- 09 — .87:1, (8-Bolt Only)
- 12 — 1.15:1

NOTE: * Obsoleted input gears will be available as service parts only, until inventory is depleted.

ASSEMBLY ARRANGEMENTS

SAE Recommended Practice J772 Envelope Type IV



Approximate Weights: 35 lbs. (15.9 Kg.) 6-Bolt; 37 lbs. (16.78 Kg.) 8-Bolt

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)	Continuous Torque lbs.ft. (Nm)
05	76 (57)	400 (542)	280 (379)
07	76 (57)	400 (542)	280 (379)
09	71 (53)	375 (508)	263 (356)
12	62 (46)	325 (441)	228 (309)

CS6 AND CS8 SERIES CLUTCH SHIFT

MODEL NUMBER CONSTRUCTION

CS 6S-M65 07-E 1 B X

PTO Series
- CS — Clutch Shift (Standard Drag Brake)

Mounting Options
- 6B — SAE 6-Bolt Std. Mtg. – Metric Studs
- 6D — SAE 6-Bolt Non-Std. Mtg.
- 6S — SAE 6-Bolt Std. Mtg.
- 8B — SAE 8-Bolt Std. Mtg. – Metric Studs
- 8D — SAE 8-Bolt Non-Std. Mtg.
- 8S — SAE 8-Bolt Std. Mtg.
- 8S — SAE 8-Bolt Non-Std. Mtg. – Metric

Transmission Input Gear Options *

I84 — Aisin	8.46P 20° PA Spur
A67 — Allison	6.86P 20° PA Spur
M65 — Mack	6.48P 17.5° PA Spur
S68 — Spicer	6P or 6/8P 20° PA Spur Deep Reach
U60 — Universal	6P 20° PA Spur
U68 — Universal	6P or 6/8P 20° PA Spur

Speed Ratios *
- 03 — 0.33:1
- 04 — 0.44:1
- 05 — 0.47:1
- 06 — 0.56:1
- 07 — 0.71:1
- 09 — 0.87:1
- 12 — 1.15:1

Special Feature Options
- X — None
- C — Pulse Generator/Pressure Lube/SPD-2000
- P — Pressure Lube
- R — Pulse Generator/No Pressure Lube
- S — Pulse Generator/Pressure Lube
- 2 — 2021 & Later Hino ("S" Shift Type Only)

Output Options
- B — 1¼" Round Keyed Shaft
- C — 1410 Companion Flange
- I — 36mm -8T, DIN 5462 (Euro)
- K — SAE "B" ⅞" -13T, SAE "B" 2- & 4-Bolt
- L — 1" -15T, Low-Box Mount
- P — SAE "BB" 1" -15T, SAE "B" 2- & 4-Bolt
- Q — SAE "B" ⅞" -13T, SAE "A" 2-Bolt
- R — SAE "A" ⅝" -9T, SAE "A" 2-Bolt
- S — SAE "B" ⅞" -13T, SAE "B" 2-Bolt
- T — SAE ¾" -11T, SAE "A" 2-Bolt
- 2 — DIN 100 Companion Flange
- 6 — SAE ⅞" -13T, SAE "B" 2-Bolt Special
- 7 — SAE 1" -15T, SAE "BB" 2-Bolt Special

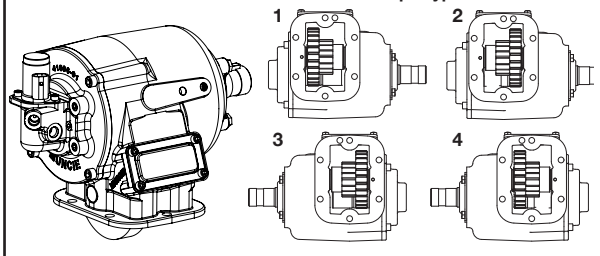
Assembly Arrangements
- 1 — Right Side Shaft Low
- 2 — Right Side Shaft Low, Gear to Rear
- 3 — Left Side Shaft Low
- 4 — Left Side Shaft Low, Gear to Rear

Shift Options
- A — Manual Air
- B — 12 V Electric/Hydraulic (I84 Only)
- D — 12 V Electric/Hydraulic 2013 Ram
- E — 12 V Electric/Air
- G — 12 V Electric/Hydraulic Ram (2014+ Gas or Diesel Integral Solenoid) (I84 Only)
- H — 12 V Electric/Hyd. (Auto Trans. Only)
- J — 24 V Electric/Hyd. (Auto Trans. Only)
- N — 12 V Electric/Hydraulic ** (1 Arr. PTO, Left Side; 3 Arr. PTO, Right Side Integral Solenoid) (A67/I84 Only)
- P — Manual Air Shift Less Activation Controls
- R — 24 V Electric/Hydraulic ** (Integral Solenoid) (I84 Only)
- S — 12 V Electric/Hydraulic** (Integral Solenoid) (A67/I84 Only)
- U — Hydraulic Shift ** Less Activation Controls (Integral Solenoid)
- 2 — 12 V Electric/Hydraulic GM 4500–6500 (2019 & Later) & International CV

Notes:
* Not all combinations are available for input gear options. Refer to the application catalog or the service parts list for additional information.
** Integral Solenoid Shift CS6 Only

ASSEMBLY ARRANGEMENTS

SAE Recommended Practice J772 Envelope Type IV



Approximate Weights: 47–49 lbs. (21.3–22.2 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)	Continuous Torque lbs.ft. (Nm)
03	57 (43)	300 (407)	210 (285)
04	57 (43)	300 (407)	210 (285)
05	57 (43)	300 (407)	210 (285)
06	57 (43)	300 (407)	210 (285)
07	57 (43)	300 (407)	210 (285)
09	52 (39)	275 (373)	193 (261)
12	52 (39)	275 (373)	193 (261)
14	52 (39)	275 (373)	193 (261)

FA SERIES CLUTCH SHIFT

MODEL NUMBER CONSTRUCTION

FA 6B-I84 06-H 3 B X

PTO Series
FA — Clutch Shift

Mounting Option
6B — SAE 6-Bolt Std. Mtg. – Metric Kit

Transmission Input Gear Option
I84 — Aisin 8.46P 20°PA Spur

Speed Ratio
06 — 0.62:1

Shift Options
B — Electric/Hydraulic (I84 Isuzu Chassis Only)
H — 12 V Electric/Hydraulic (AISIN Only)

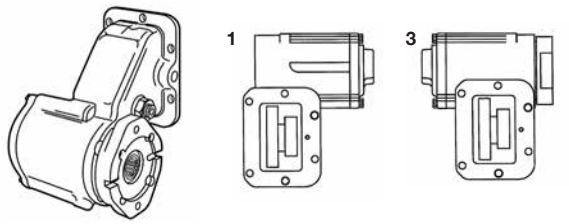
Assembly Arrangement
3—Left Side Shaft Low

Output Options
B— 1¼" Round Keyed Shaft
Q — SAE "B" ⅞" -13T, SAE "A" 2-Bolt
T — SAE ¾" -11T, SAE "A" 2-Bolt

Special Feature Option
X — None

Note:
* Driveline output is not possible on 4×4 chassis

ASSEMBLY ARRANGEMENTS



Approximate Weights: 34 lbs. (15.4 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)	Continuous Torque lbs.ft. (Nm)
06 (FA6B-I84)	15 (11)	79 (107)	79 (107)
06 (FA6B-I84/ AS69RC Transmission)	24 (18)	124 (168)	89 (121)

FR6Q SERIES CLUTCH SHIFT

MODEL NUMBER CONSTRUCTION

FR6Q-F12-09-D-3-Q-X

PTO Series
FR6Q — Ford 6-Bolt Quiet

Transmission Input Gear Option
F12 — Ford 6R140

Speed Ratio Option
09 — .90:1

Shift Options *
6 — Electric/Hydraulic 2016 & Later F-650–F-750 Diesel Engine; 2017 & Later F-250–F-550 Diesel Engine
F — Electric/Hydraulic 2016 & Later F-650–F-750 Gas Engine; 2017 & Later F-250–F-550 Gas Engine
D — Electric/Hydraulic 2016 & Earlier F-250–F-550 Diesel Engine
G — Electric/Hydraulic 2015 & Earlier F-650–F-750 Gas Engine

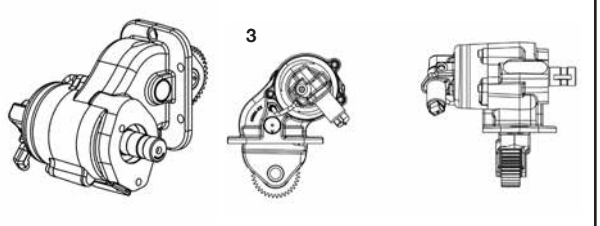
Special Feature Options
X — None
B — Stationary **AND** Mobile (Only available on 6, F, & D shift types)
6 — **Muncie Start®** Stationary **OR** Mobile
7 — **Muncie Start®** Stationary **AND** Mobile (Only available on 6, F, & D shift types)

Output Options
B — 1¼" Round Keyed Shaft (4×2 Only)
N — SAE ¾" -11T MPP "N" Pump Mount
Q — SAE "B" ⅞" -13T, SAE "A" 2-Bolt (4×2 Only)
T — SAE ¾" -11T, SAE "A" 2-Bolt (4×2 Only)

Assembly Arrangement
3 — Left Side Shaft Low

Note:
* Driveline output is not possible on 4×4 chassis.

ASSEMBLY ARRANGEMENTS



Approximate Weight: 35 lbs. (15.9 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)	Continuous Torque lbs.ft. (Nm)
09 Stationary	39 (29)	200 (271)	140 (190)
09 Mobile	22 (16)	120* (162)	120 (162)

*FR6Q limit in mobile applications for continuous and intermittent

82 SERIES MECHANICAL SHIFT

MODEL NUMBER CONSTRUCTION

82 8S-U68-05 L-1-C-X

PTO Series
- 82 — 8-Bolt 82 Series

Mounting Options
- 8S — SAE 8-Bolt Std. Mtg.
- 8B — SAE 8-Bolt Std. Mtg. – Metric Studs
- 8L — SAE 8-Bolt Std. Mtg. – Less Stud Kit
- 8F — SAE 8-Bolt Non-Std. – Eaton Endurant (E70 & E80)
- 8R — SAE 8-Bolt Std. Mtg. – Special Roller Bearing

Transmission Input Gear Options
- E70 — Eaton 7.055P 20° PA Spur
- E80 — Eaton 8.048P 20° PA 28.98 RH
- U62 — Universal 6P 25° PA Spur
- U68 — Universal 6 or 6/8P 20° Spur

OBSOLETE Transmission Input Gear Options *
- *F11 — Fuller 10.1P 21.5° PA Spur **
- *F68 — Fuller 6 or 6/8P 20° Spur **
- *M65 — Mack 6.48P 17° 30' Spur **
- *S70 — Spicer 7P 17.5° PA 28° 4' 23" LH **
- *U57 — Universal 5 or 5/7P 20° Spur **

Speed Ratios
- 05 — .47:1
- 08 — .75:1
- 09 — .93:1
- 10 — 1.00:1
- 12 — 1.15:1
- 13 — 1.33:1
- 15 — 1.50:1
- 19 — 1.89:1 (Cannot be sold in kit form)

OBSOLETE Speed Ratio *
- *06 — .60:1 **

Special Feature Options
- X — None
- G — Greaseable Output Shaft (EG, PG, & ZG Only)
- P — Pressure Lubrication
- 8 — Greaseable Shaft Plus Pressure Lube
- W — Wet Spline Output (E Output Only)

Output Options
- C — 1410 Companion Flange
- D — SAE "B" ⅞" -13T, SAE "B" 2- & 4-Bolt
- E — SAE "C" 1¼" -14T, SAE "C" 2- & 4-Bolt
- I — DIN 5462
- P — SAE "BB" 1" -15T, SAE "B" 2- & 4-Bolt
- Z — SAE "C" 1¼" -14T, SAE "B" 2- & 4-Bolt
- 2 — DIN 100 Companion Flange

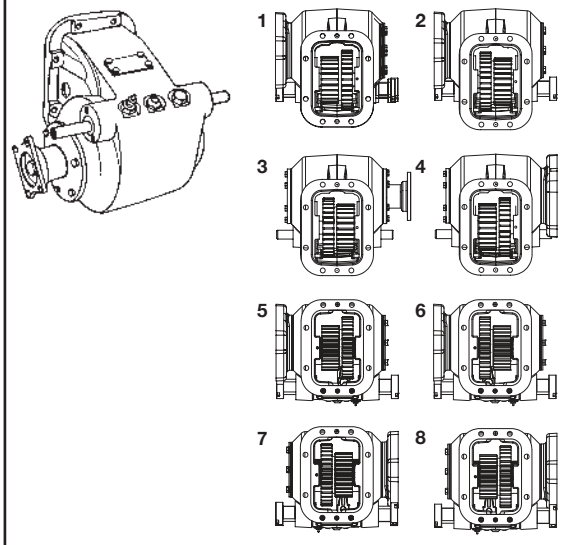
Assembly Arrangements
- 1 — Right Side Shaft Low
- 2 — Right Side Shaft Low, Gear to Rear
- 3 — Left Side Shaft Low
- 4 — Left Side Shaft Low, Gear to Rear
- 5 — Tall Housing–Right Side Shaft Low
- 6 — Tall Housing–Right Side Shaft Low, Gear to Rear
- 7 — Tall Housing–Left Side Shaft Low
- 8 — Tall Housing–Left Side Shaft Low, Gear to Rear

Shift Options
- L — Lever
- M — Constant Mesh
- R — Double Acting Manual Air (Dual Cylinder)
- S — 12 V Double Acting Electric/Air (Dual Cylinder)
- T — Air Shift (Less Activation Controls) (Dual Cylinder)

Note:
* Obsoleted input gears and speed ratios will be available as service parts only, until inventory is depleted.

ASSEMBLY ARRANGEMENTS

SAE Recommended Practice J772 Envelope Type IV



Approximate Weights: 85 lbs. (38.6 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)	Continuous Torque lbs.ft. (Nm)
05	95 (71)	500 (678)	350 (475)
08	85 (63)	450 (610)	315 (427)
09	78 (58)	410 (556)	287 (389)
10	78 (58)	410 (556)	287 (389)
12	71 (53)	375 (508)	263 (256)
13	71 (53)	375 (508)	263 (256)
15	67 (50)	350 (475)	245 (332)
19	57 (43)	300 (407)	210 (285)

A30 SERIES CONSTANT DRIVE

MODEL NUMBER CONSTRUCTION

A30-A10 07-MX 3 BB PX XX

PTO Series
A30 — Medium Duty Constant Drive 10-Bolt

Transmission Input Gear Option
A10 — Allison 3000/4000 Series

Speed Ratios
05 — .54:1
06 — .63:1
07 — .73:1
08 — .84:1
09 — .90:1
10 — .97:1
11 — 1.11:1
12 — 1.19:1
15 — 1.48:1

Shift Option
MX — Constant Drive

Assembly Arrangements
1 — Right Side Shaft Low
3 — Left Side Shaft Low
5 — No Offset (Straight Out From Opening)

Notes:
* Wet Spline Option Available
** Special Flange Arrangement Example: A1 or T3: for proper code selection adjust flange to the ideal position and note the letter that aligns centered with the marked dots.
*** Use with Shaft Extension
**** Obsoleted special feature options will be available as service parts only, until inventory is depleted.

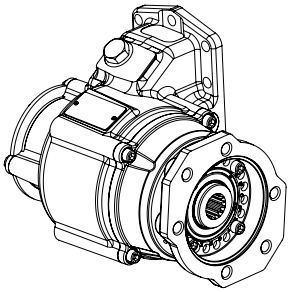
Flange Position Codes **
A1–T3 — Custom Flange Position
XX — Flange Shipped Loose
Blank — Default Position

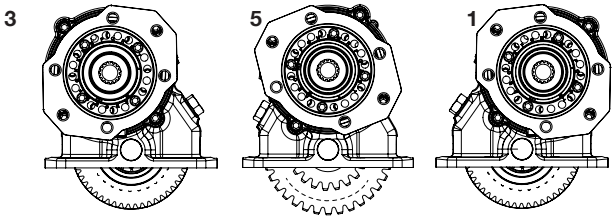
Special Feature Options
PX — Standard Hose Kit
PW — Wet Spline & Standard Hose Kit ***
BX — Top Opening Hose Kit
BW — Top Opening Hose Kit Wet Spline
XX — Delete Hose Kit

OBSOLETE Special Feature Options ****
US — Pulse Generator & SPD-2000
UB — Pulse Generator & Top Opening Hose Kit
UX — Pulse Generator & Standard Hose Kit

Output Options
1X — 1¼" Round Keyed Shaft
BA — SAE "B" ⅞" -13T, SAE "A" 2-Bolt
BB — SAE "B" ⅞" -13T, SAE "B" 2- & 4-Bolt *
BS — SAE "B" ⅞" -13T, SAE "B" 2-Bolt *
CB — XSMC Shaft Extension Mount *, ***
CC — SAE "C" 1¼" -14T, SAE "C" 2- & 4-Bolt *
II — DIN 5462 *
PB — SAE "BB" 1" -15T, SAE "B" 2- & 4-Bolt *
PS — SAE "BB" 1" -15,T SAE "B" 2-Bolt *
TA — SAE ¾" -11T, SAE "A" 2-Bolt
X2 — 1½" -10T, DIN 100 Companion
X4 — 1½" -10T Male, 1410 Companion Flange
XX — 1½" -10T Male, For Companion Flange
ZB — SAE "C" 1¼" -14T, SAE "B" 2- & 4-Bolt *

ASSEMBLY ARRANGEMENTS





Approximate Weight: 38 lbs. (17.2 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Engine % 3000/4000 Series	Intermittent/Continuous HP @ 1,000 RPM (kW)	Intermittent/Continuous Torque lbs.ft. (Nm)
05	74 / 105	77 (57)	400 (542)
06	85 / 122	77 (57)	400 (542)
07	99 / 141	79 (59)	415 (563)
08	114 / 163	69 (51)	360 (488)
09	122 / 176	65 (48)	340 (461)
10	131 / 187	59 (44)	310 (420)
11	151 / 215	52 (39)	275 (373)
12	162 / 231	50 (37)	265 (359)
15	201 / 287	39 (29)	205 (278)

CS10/11 SERIES CLUTCH SHIFT

MODEL NUMBER CONSTRUCTION

CS 10-A10 05 H 1 C X

PTO Series
CS — Clutch Shift

Mounting Options
10 — 10-Bolt Mount
11 — 10-Bolt Mount Remote Solenoid

Transmission Input Gear Option
A10 — Allison 10.16P RH

Speed Ratios
05 — .57:1
06 — .64:1
07 — .72:1
08 — .85:1
10 — .95:1

Shift Options
H — 12 V Electric/Hydraulic
J — 24 V Electric/Hydraulic

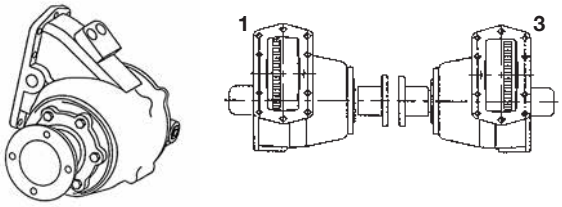
Note:
* Extended Shaft not included

Special Feature Options
X — None
B — Hose Kit for Top Opening
D — Pulse Generator & SPD-2000
U — Pulse Generator
3 — Lube Hose Optional Length – 17"
4 — Lube Hose Delete
(Pressure Lube and Activation Hose included on all units)

Output Options
B — 1¼" Round Keyed Shaft
C — 1410 Companion Flange
D — SAE "B" ⅞" -13T, SAE "B" 2- & 4-Bolt
E — SAE "C" 1¼" -14T, SAE "C" 2- & 4-Bolt
I — DIN 5462
P — SAE "BB" 1" -15T, SAE "B" 2- & 4-Bolt
S — SAE "B" ⅞" -13T, SAE "B" 2-Bolt
V — Extended Shaft Option*
Y — SAE "C" 1¼" -14T, SAE "C" 2-Bolt
Z — SAE "C" 1¼" -14T, SAE "B" 2- & 4-Bolt
2 — DIN 100 Companion Flange

Assembly Arrangements
1 — Right Side Shaft Low
3 — Left Side Shaft Low

ASSEMBLY ARRANGEMENTS



Approximate Weight: 65 lbs. (29.5 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)	Continuous Torque lbs.ft. (Nm)
05	95 (71)	500 (678)	350 (475)
06	91 (68)	480 (651)	336 (456)
07	86 (64)	450 (610)	315 (427)
08	80 (60)	420 (569)	294 (398)
10	73 (54)	385 (522)	270 (365)

A20 SERIES CLUTCH SHIFT

MODEL NUMBER CONSTRUCTION

A20-A10 07-HX 3 BB PX XX

PTO Series
A20 — Medium Duty Clutch Shift 10-Bolt

Transmission Input Gear Option
A10 — Allison 3000/4000 Series

Speed Ratios
05 — .54:1
06 — .63:1
07 — .73:1
08 — .84:1
09 — .90:1
10 — .97:1
11 — 1.11:1
12 — 1.19:1
15 — 1.48:1

Shift Options
HX — 12 V Electric/Hydraulic 2015-2020
HR — 12 V Electric/Hydraulic Remote Mount
JX — 24 V Electric/Hydraulic
JR — 24 V Electric/Hydraulic Remote Mount
XX — Electric/Hydraulic w/o Activation Components
RS — Reduced Harness **Muncie Start®**
RX — 12 V Reduced Harness (Wiring Pigtails Only)
SX — 12 V **Muncie Start®** Integral
SR — 12 V **Muncie Start®** Remote Mount
H2 — 12 V Electric/Hydraulic Hino 2021 & Newer
S2 — 12 V **Muncie Start®** Hino 2021 & Newer

OBSOLETE Shift Options ****
HH — 12 V Electric/Hydraulic Hino 2020 & Older ****
J2 — 24 V Electric/Hydraulic Hino 2021 & Newer ****

Assembly Arrangements
1 — Right Side Shaft Low
3 — Left Side Shaft Low
5 — No Offset (Straight Out From Opening)

Flange Position Codes **
A1–T3 — Custom Flange Position
XX — Flange Shipped Loose
Blank — Default Position

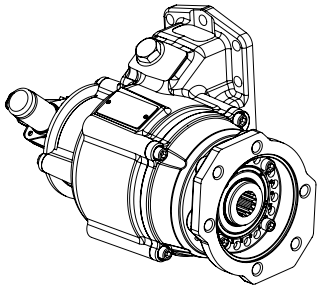
Special Feature Options
PX — Standard Hose Kit
PW — Wet Spline w/Standard Hose Kit ***
BX — Top Opening Hose Kit
BW — Top Opening Hose Kit Wet Spline
XX — Delete Hose Kit

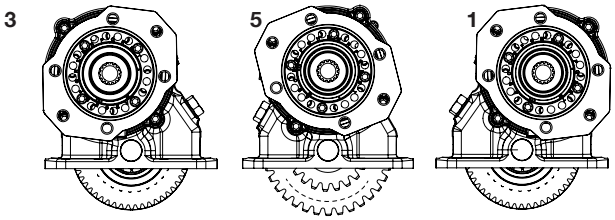
OBSOLETE Special Feature Options ****
US — Pulse Generator & SPD-2000 ****
UX — Pulse Generator & Standard Hose Kit ****
UB — Pulse Generator & Top Opening Hose Kit ***

Output Options
1X — 1¼" Round Keyed Shaft
2I — DIN 5462 Euro
AA — SAE "A" ⅝" -9T, SAE "A" 2-Bolt
BA — SAE "B" ⅞" -13T, SAE "A" 2-Bolt
BB — SAE "B" ⅞" -13T, SAE "B" 2- & 4-Bolt *
BS — SAE "B" ⅞" -13T, SAE "B" 2-Bolt *
CB — XSMC Shaft Extension Mount *, ***
CC — SAE "C" 1¼" -14T, SAE "C" 2- & 4-Bolt *
II — DIN 5462 *
PB — SAE "BB" 1" -15T, SAE "B" 2- & 4-Bolt *
PS — SAE "BB" 1" -15T, SAE "B" 2-Bolt *
TA — SAE ¾" -11T, SAE "A" 2-Bolt
X2 — 1½" -10T, DIN 100 Companion Flange
X4 — 1½" -10T Male, 1410 Companion Flange
XX — 1½" -10T Male, For Companion Flange
ZB — SAE "C" 1¼" -14T, SAE "B" 2- & 4-Bolt *

Notes:
* Wet Spline Option Available
** Special Flange Arrangement Example: A1 or T3: for proper code selection adjust flange to the ideal position and note the letter that aligns centered with the marked dots.
*** Use with Shaft Extension
**** Obsoleted input gears and special feature options will be available as service parts only, until inventory is depleted.

ASSEMBLY ARRANGEMENTS





Approximate Weight: 47 lbs. (21 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Engine % 3000/4000 Series	Intermittent/Continuous HP @ 1,000 RPM (kW)	Intermittent/Continuous Torque lbs.ft. (Nm)
05	74/105	77 (57)	400 (542)
06	85/122	77 (57)	400 (542)
07	99/141	79 (59)	415 (563)
08	114/163	69 (51)	360 (488)
09	122/176	65 (48)	340 (461)
10	131/187	59 (44)	310 (420)
11	151/215	52 (39)	275 (373)
12	162/231	50 (37)	265 (359)
15	201/287	39 (29)	205 (278)

CS40/41 SERIES CLUTCH SHIFT

MODEL NUMBER CONSTRUCTION

CS 41-A10 07-H 3 C X

PTO Series
CS — Clutch Shift

Mounting Options
40 — 10-Bolt Mount
41 — 10-Bolt Mount – Remote Solenoid

Transmission Input Gear Option
A10 — Allison 10.16P RH

Speed Ratios
07 — 0.74:1
10 — 1.06:1
12 — 1.20:1

Shift Options
H — 12 V Electric/Hydraulic
J — 24 V Electric/Hydraulic

Note:
* Extended Shaft not included

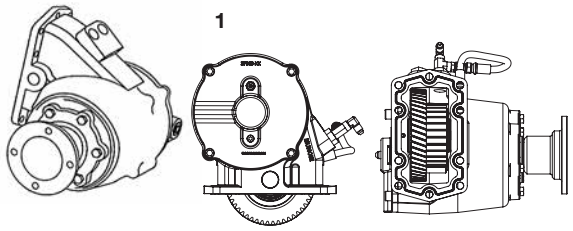
Special Feature Options
X — None
B — Hose Kit for Top Opening
D — Pulse Generator & SPD-2000
U — Pulse Generator
3 — Special Hose Kit 17"
6 — **Muncie Start®** Stationary **OR** Mobile

Output Options
C — 1410 Companion Flange
E — SAE "C" 1¼" -14T, SAE "C" 2- & 4-Bolt
I — DIN 5462
P — SAE "BB" 1" -15T, SAE "B" 2- & 4-Bolt
V — Muncie Extended Shaft*
Y — SAE "C" 1¼" -14T, SAE "C" 2-Bolt
Z — SAE "B" 1¼" -14T, SAE "B" 2- & 4-Bolt
2 — DIN 100 Companion Flange

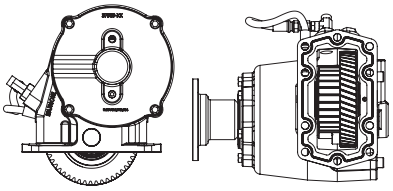
Assembly Arrangements
1 — Right Side Shaft Low
3 — Left Side Shaft Low

ASSEMBLY ARRANGEMENTS

1



3



Approximate Weight: 69 lbs. (31.3 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)	Continuous Torque lbs.ft. (Nm)
07	114 (85)	600 (813)	420 (569)
10	103 (76)	545 (739)	382 (517)
12	93 (70)	490 (664)	343 (465)

F20 SERIES CLUTCH SHIFT

MODEL NUMBER CONSTRUCTION

F20-F13 12 GX 5 TN PX

PTO Series
F20 — Ford

Transmission Input Gear Option
F13 — Ford 10R140

Speed Ratio
12 — 1.18:1

Shift Options
GX — Gas Engine Standard
GS — Gas Engine **Muncie Start®**
DX — Diesel Engine Standard
DS — Diesel Engine **Muncie Start®**
RX — Reduced Harness (Wiring Pigtails Only)
RS — Reduced Harness **Muncie Start®**

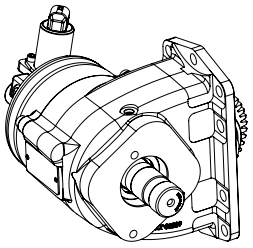
Assembly Arrangement
5 — No Offset (Straight Out from Opening)

Output Options
1X — 1¼" Round Keyed Shaft
BA — SAE "B" ⅞" -13T, SAE-"A" 2-Bolt
TN — SAE ¾" -11T, MPP "N" Pump Mount (Standard)
TA — SAE ¾" -11T, SAE-"A" 2-Bolt
UU — ISO 14 25mm -6T, 21 UNI 222 3-Bolt Flange

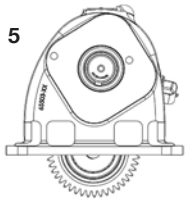
Special Feature Options
PX — Single Mode (Either Stationary **OR** Mobile)
PB — Dual Mode (Both Stationary **AND** Mobile)

ASSEMBLY ARRANGEMENTS

SAE Recommended Practice J772 Envelope Type **N.A.**



5



Approximate Weight: 29 lbs. (13.15 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	% of Engine Speed	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)
12	130%	50 (37)	261 (354)

F22 SERIES CLUTCH SHIFT

MODEL NUMBER CONSTRUCTION

F22-F13 12 DX 5 TN PX

PTO Series
F22 — Ford

Transmission Input Gear Option
F13 — Ford 10R140

Speed Ratio
12 — 1.18:1

Shift Options
DX — 12 V Diesel Engine Standard
DS — 12 V Diesel Engine **Muncie Start®**
RX — 12 V Reduced Harness (Wiring Pigtails Only)
RS — 12 V Reduced Harness **Muncie Start®**

Assembly Arrangement
5 — No Offset (Straight Out from Opening)

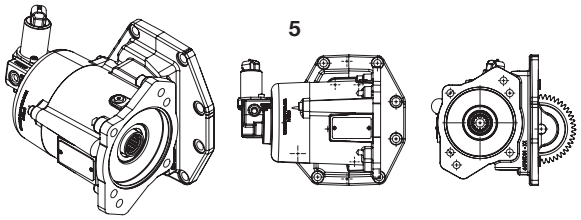
Output Options
1X — 1¼" Round Keyed Shaft
BA — SAE "B" ⅞" -13T, SAE-"A" 2-Bolt
BB — SAE "B" ⅞" -13T, SAE-"B" 2- & 4-Bolt
TN — SAE ¾" -11T, MPP "N" Pump Mount
TA — SAE ¾" -11T, SAE-"A" 2-Bolt
UU — ISO 14 25mm -6T, 21 UNI 222 3-Bolt Flange

Special Feature Options
PX — Single Mode (Either Stationary **OR** Mobile)
PB — Dual Mode (Both Stationary **AND** Mobile)

ASSEMBLY ARRANGEMENTS

SAE Recommended Practice J772 Envelope Type **N.A.**

5



Approximate Weight: 29 lbs. (13.15 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	% of Engine Speed	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)
12	130%	50 (37)	261 (354)

RS4S SERIES REAR MOUNT

MODEL NUMBER CONSTRUCTION

RS 4S-P82Z1 E 1 C X

PTO Series
RS4S — Rear Shaft Mount 4-Bolt

Mounting Options
4S — Non-Std. 4-Bolt Mount

Application Options
P82 Z1 — ZF Meritor
P86 Z3 — ZF Meritor
P86 Z4 — ZF Meritor
P86 Z5 — ZF Meritor
P86 VN — Volvo I-Shift/Mack mDRIVE
P86 VM — Volvo I-Shift/Mack mDRIVE

Dual Application Options
P93 VN — Volvo I-Shift/Mack mDRIVE
P93 VM — Volvo I-Shift/Mack mDRIVE

Special Feature Option
X — None

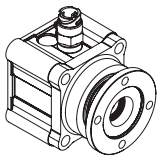
Output Options
C — 1310 Companion Flange
K — SAE "B" 2- & 4-Bolt
I — DIN 5462

Assembly Arrangement
1 — Standard Rear Mounting

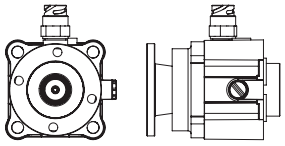
Shift Options
A — Manual Air Shift
E — 12 V Electric/Air Shift Standard
P — Air Shift (Less Activation Controls) (Rec. VN or VM)
Z — 12 V Electric/Air Shift (P86Z* Includes Harness Meritor)

ASSEMBLY ARRANGEMENTS

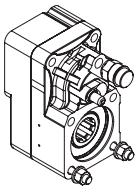
SAE Recommended Practice J772 Envelope Type **N.A.**



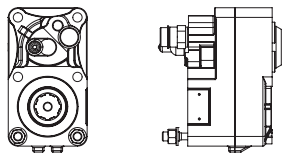
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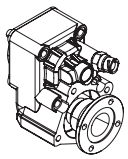
RS4S-P81



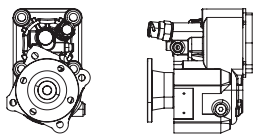
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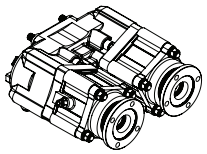
RS4S-P84



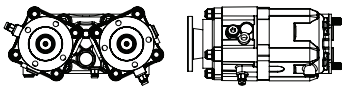
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RS4S-P86



1



RS4S-P93

TORQUE AND HORSEPOWER RATINGS

Internal Ratio	Intermittent HP @ 1,000 RPM (kW)	MAX Torque lbs.ft. (Nm)
P82Z	40 (32)	200 (298)
P81Z2	84 (62)	442 (600)
P81V8	84 (62)	442 (600)
P84Z2	57 (42)	300 (407)
P84Z4	70 (52)	369 (500)
P86VN	70 (52)	369 (500)
P86VM	63 (47)	331 (450)
P93VN	70 (52)	369 (500)
P93VM	63 (47)	331 (450)

RS6S-P89M SERIES DETROIT DT12

MODEL NUMBER CONSTRUCTION

RS 6S-P89 M1 P 1 P X

PTO Series
RS—Rear Counter Shaft

Mounting Option
6S — Non-Std 6-Bolt Mount

Transmission Input Gear Option
P89 — PTO Base Model

Speed Ratios
M1 — 1:0.97 Internal Ratio
M2 — 1:1.32 Internal Ratio
M3 — 1:1.83 Internal Ratio

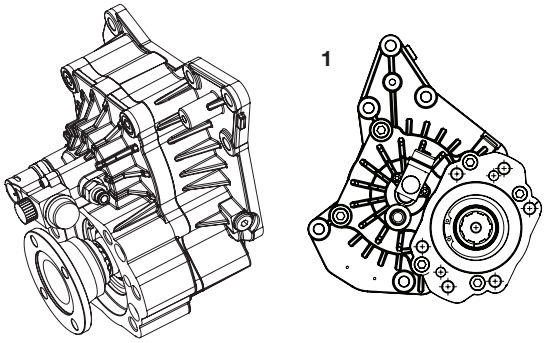
Shift Option
P — 12 V Electric/Air Shift (Integral Solenoid)

Assembly Arrangement
1 — Standard Rear Mounting

Output Options
C — 1310 Companion Flange
(Add-on Kit: 19KFL10300
D — 1410 Companion Flange
(Add-on Kit: 197KFL10400)
P — 1" -15T Spline, SAE "BB" 2- & 4-Bolt

Special Feature Option
X — None

ASSEMBLY ARRANGEMENTS



Approximate Weight: 23 lbs. (10.4 Kg.)

TORQUE AND HORSEPOWER RATINGS

Internal Ratio	Intermittent HP @ 1,000 RPM (kW)	MAX Torque lbs.ft. (Nm)
M1	60 (45)	317 (430)
M2	60 (45)	317 (430)
M3	57 (43)	295 (400)

8405A SERIES MECHANICAL SHIFT

MODEL NUMBER CONSTRUCTION

8405A-07-A-3 K-X

PTO Series
- 8405A — (6P-20° PA Spur) U68
- 8405B — U68 with Metric Stud Kit

Speed Ratios
- 07 — .73:1
- 08 — .84:1
- 09 — 1:1

Shift Options
- A — 12 V Manual Air
- P — Manual Air (Less Activation Kit)

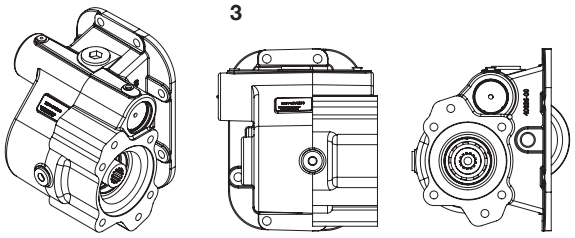
Assembly Arrangement
- 3 — Left Side Shaft Low

Output Options
- B — 1¼" Round Keyed Shaft
- K — SAE "B" Pump Mount
- P — SAE "BB" Pump Mount

Special Feature Option
- X — None

ASSEMBLY ARRANGEMENTS

3



Approximate Weight: 35 lbs. (15.9 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent HP @ 1,000 RPM (kW)	Intermittent Torque lbs.ft. (Nm)	Continuous Torque lbs.ft. (Nm)
07	44 (33)	230 (312)	161 (218)
08	44 (33)	230 (312)	161 (218)
09	39 (29)	205 (278)	144 (195)

P58/P60 SERIES PTO FOR PACCAR TX-8

MODEL NUMBER CONSTRUCTION

P58-Z11 10 XX 5 BB PX

PTO Series
P58 — Paccar TX-8
P60 — Paccar TX-8

Transmission Input Gear Option
Z11 — ZF Powerline/Paccar TX-8

Speed Ratios
10 — 0.97:1
10 — 0.98:1

Shift Option
XX — Air Shift Only w/o Activation Components

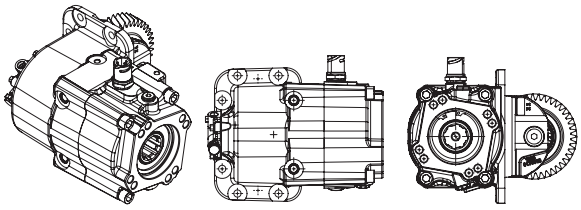
Assembly Arrangement
5 — No Offset

Output Options
BB — SAE "B" 2- or 4-Bolt
2I — DIN 5462 (Euro)
X3 — 1310 Companion Flange

Special Feature Options
PX — Left Hand Side Hose Kit
BX — Right Hand Side Hose Kit

ASSEMBLY ARRANGEMENTS

P58/P60 **5**



P58: Approximate Weight: 47 lbs. (21 Kg.)
P60: Approximate Weight: 33 lbs. (15 Kg.)

TORQUE AND HORSEPOWER RATINGS

PTO	Internal Ratio	Intermittent HP @ 1,000 RPM (kW)	MAX Torque lbs.ft. (Nm)
P58	10	80 (60)	420 (569)
P60	10	49 (37)	258 (350)

Z21 SERIES CLUTCH SHIFT

MODEL NUMBER CONSTRUCTION

Z21-Z11 11-DX-1 BS-BX

PTO Series
Z21 — Passenger-Side, Clutch Shift

Transmission Input Gear Option
Z11 — TorqueFlite HD/ZF PowerLine

Speed Ratio
11 — 1.13:1

Shift Option
DX — 12 V Integral RAM

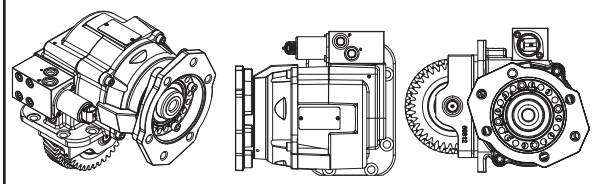
Assembly Arrangement
1 — Right Side Shaft Low

Output Options
TA — SAE "A" 2-Bolt, ¾" -11T Spline
BA — SAE "A" 2-Bolt, ⅞" -13T Spline
BS — SAE "B" 2-Bolt, ⅞" -13T Spline
BB — SAE "B" 2- & 4-Bolt, ⅞" -13T Spline
PB — SAE "B" 2- & 4-Bolt, 1" -15T Spline
II — DIN 5462

Special Feature Options
BX — Standard
BW — Standard Wet Spline

ASSEMBLY ARRANGEMENTS

1



Approximate Weight: 50 lbs. (22.7 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent/Continuous HP @ 1,000 RPM (kW)	Intermittent/Continuous Torque lbs.ft. (Nm)
11	50 (37)	265 (359)

Z25 SERIES CLUTCH SHIFT

MODEL NUMBER CONSTRUCTION

Z25-Z11 13-DX-3 TA-PX

PTO Series
Z25 — Driver-Side, Clutch Shift

Transmission Input Gear Option
Z11 — TorqueFlite HD/ZF PowerLine

Speed Ratio
13 — 1.26:1

Shift Option
DX — 12 V Integral RAM

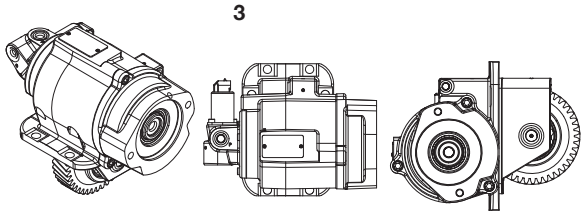
Assembly Arrangement
3 — Left Side Shaft Low

Output Options
TA — SAE ""A 2-Bolt, ¾" -11T Spline
1X — 1.25" Round Keyed Shaft (4×2 ONLY)
UU — UNI for FX Series Bent Axis Piston Pump

Special Feature Option
PX — Standard

ASSEMBLY ARRANGEMENTS

3



Approximate Weight: 45 lbs. (21.41 Kg.)

TORQUE AND HORSEPOWER RATINGS

Speed Ratio	Intermittent/Continuous HP @ 1,000 RPM (kW)	Intermittent/Continuous Torque lbs.ft. (Nm)
13	24 (18)	125 (169)

MODEL NUMBER CONSTRUCTION

HC6S-M7618-A 3 B X

PTO Series
- HC6S — 6-Bolt Mount
- HC8S — 8-Bolt Mount

Base PTO Series *

M7618	P2081
M7818	P2107
P09B1	P2138
P09H4	P2195
P09J1	P2244
P09J2	P2254
P09J4	P2262
P09J5	P22Z3
P09W1	P2277
P10J1	P2285
P10J2	P23Z2
P10J3	P2373
P10J4	P2374
P11J1	P2515
P11J2	P26Z1
P13H1	P28H1
P13H3	P28Z6
P15S1	P30MK
P15S2	P30MW
P1623	P33M9
P18G2	P37H2
P18G5	P6082
P1901	P6085
P1935	P6086
P2000	P6088
P2039	

Note:
* Applications, Torque, HP, and Internal Ratios vary.

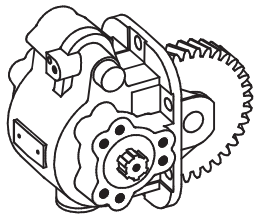
Special Feature Option
- X — None

Output Options
- B — 1¼" Round Keyed Shaft
- C — 1310 Companion Flange
- D — 1410 Companion Flange
- I — DIN 5462
- K — SAE "B" 2- & 4-Bolt, -13T
- P — SAE "B" 2- & 4-Bolt, =15T

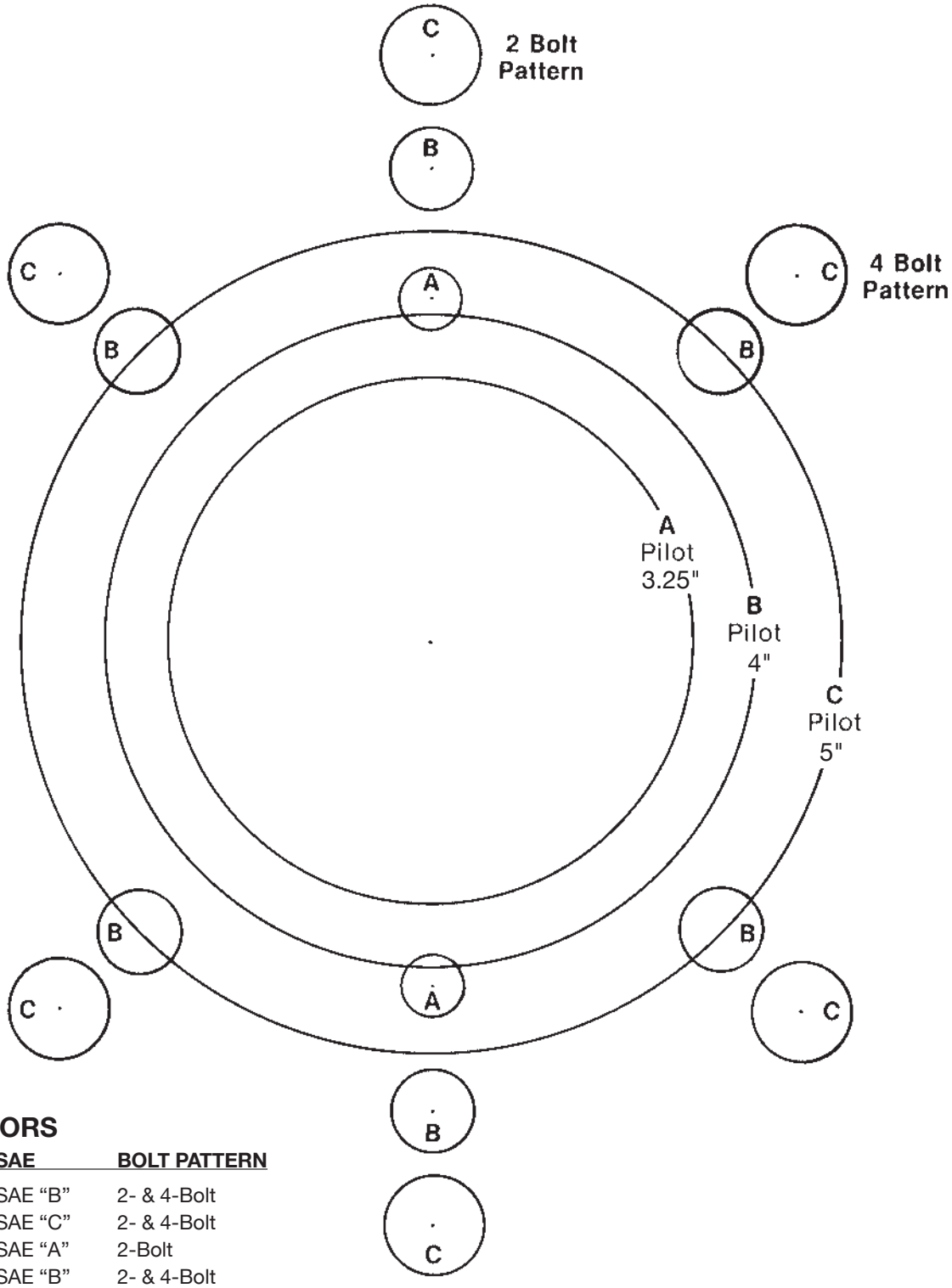
Assembly Arrangements
- 1 — Standard Rear Mounting
- 3 — Left Side Shaft Low

Shift Options
- C — Cable
- A — Air (Manual)
- E — 12 V Electric/Air
- P — Air (Less Activation Kit)
- T — Electric (E-Hydra 12 V)

HC6S-P11J*-C3*X SHOWN LESS OUTPUT FLANGE



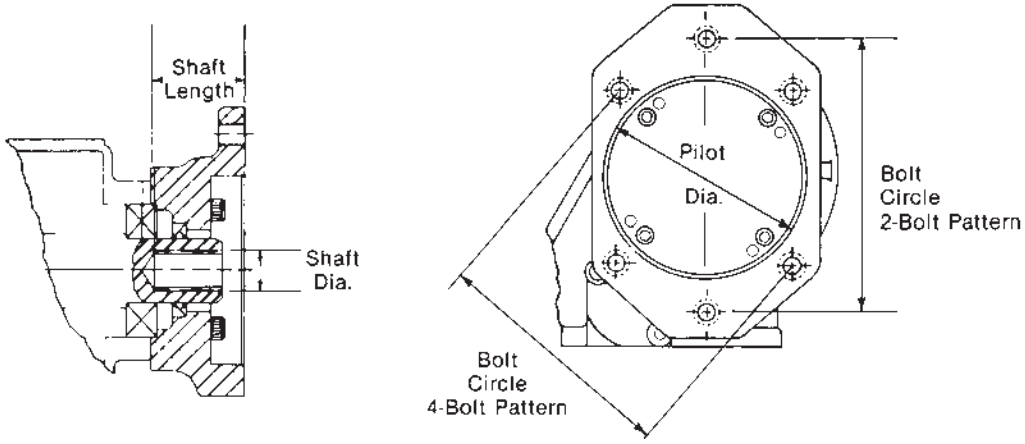
STANDARD SAE HYDRAULIC PUMP MOUNT
PILOT DIAMETERS AND BOLT PATTERNS



DESIGNATORS

MUNCIE		SAE	BOLT PATTERN
D, K, P	=	SAE “B”	2- & 4-Bolt
E	=	SAE “C”	2- & 4-Bolt
F	=	SAE “A”	2-Bolt
L	=	SAE “B”	2- & 4-Bolt
M	=	SAE “A”	2- Bolt “A” – 4-Bolt “B”
Q	=	SAE “A”	2-Bolt
R	=	SAE “A”	2-Bolt
S	=	SAE “B”	2-Bolt
Y	=	SAE “C”	2-Bolt
Z	=	SAE “B”	2- & 4-Bolt

CONVERSION KITS



DIRECT MOUNT PUMP FLANGE CONVERSION KITS

SUFFIX NO.	PILOT DIA. (IN)	SHAFT DIA. (IN)	TYPE SHAFT	BOLT CIRCLE	MOUNT. HOLES	BOLT SIZE	SHAFT LENGTH	CONVERSION KIT NUMBER
E	5.0	1.25	Spline - 14T	6.38 7.12	4 2	½"-13 ⅝"-11	2.19	No Kit (82, CS10)
F	3.25	0.75	Round - 3⁄16" Key	4.18	2	⅜"-16	2.66	14TA4527 (TG Only)
I	80mm	36mm	Spline - 8T	113.15mm	4	12mm	60.1mm	14TA4422 (TG Only)
K	4.0	0.88	Spline - 13T	5.0 5.75	4 2	½"-13	1.86	14TA4531 (TG Only)
KG	4.0	0.88	Spline - 13T	5.0 5.75	4 2	½"-13	1.86	14TA4551 (TG Only)
L	4.0	0.88	Round - ¼" Key	5.0 5.75	4 2	½"-13	2.38	14TA4550 (TG Only)
M	3.25	0.88	Spline - 13T	4.18 4.75 5.00	4 6 4	⅜"-16 13⁄32" - Thru ½"-13	1.94	14MA4553 (TG Only)
N	2.62	0.75	Round - 3⁄16" Key	3.25	6**	⅜"-16	2.66	14TA4554 (TG Only)
P	4.00	1.00	Spline - 15T	5.00 5.75	4 2	½"-13	2.38	14TA4532 (TG Only)
PG	4.00	1.00	Spline - 15T	5.00 5.75	4 2	½"-13	2.38	14TA4552 (TG Only)
Q	3.25	0.88	Spline - 13T	4.18	2	⅜"-16	1.66	14TA4529 (TG Only)
R	3.25	0.625	Spline - 9T	4.18	2	⅜"-16	1.66	14TA4541 (TG Only)
S	4.00	0.88	Spline - 13T	5.75	2	½"-13	1.70	14TA4530 (TG Only)
T	3.25	0.75	Spline - 11T	4.18	2	⅜"-16	1.50	14TA4533 (TG Only)
Y	5.00	1.25	Spline - 14T	7.12	2	⅝"-11	2.19	No Kit (CD, CS10)
Z	4.00	1.25	Spline - 14T	5.00 5.75	4 2	½"-13	2.19	14TA4423 (TG Only)
6	4.00	0.88	Spline - 13T	5.75	2	½"-13	1.86	No Kit (TG Only)

**Only 4 bolts are usable to mount pump.

SHIFTER CONVERSION KITS

TG SERIES				RL SERIES	82 SERIES	
Cable 16MK3735-14-A (1+4)	**Standard Air 16MK3803-A (1+4)**	**Electric Air 16MK0200-A (1+4)**	**E-Hydra Shift 16MK4682 (1+4)**	**Standard Air 16MK4261-A**	**D-Double Acting 16MK3253-A**	**Q-Double Acting 16MK3252-A**
16MK3735-23-A (2+3)	16MK3804-A (2+3)	16MK1200-A (2+3)	16MK4683 (2+3)	All Assemblies	All Assemblies	All Assemblies

TG SERIES KIT PROGRAM

Stocking the Muncie Powerflex® PTO in a kit form can reduce your inventory requirements. To use the program decide on the correct model number of the PTO from the application catalog and assemble using the tables below.

TG 6S – G73 15 – C 4 B H

- Muncie Std. Model (Table 1)
- Aperture Mounting Options (Table 2)
- Input Gear Pitch Options (Table 3)
- Ratio Options (Table 1)
- Special Feature Options (Table 6)
- Output Shaft Options (Table 5)
- Assembly Arrangements (Table 4)
- Shift Options (Table 4)

TABLE 1 MUNCIE STD. MODEL W/RATIO OPTIONS – LESS SHIFTER & INPUT GEAR

Part No.

TG6S-Kit 04 — X * # X
TG6S-Kit 05 — X * # X
TG6S-Kit 06 — X * # X
TG6S-Kit 07 — X * # X
TG6S-Kit 08 — X * # X
TG6S-Kit 09 — X * # X
TG6S-Kit 12 — X * # H
TG6S-Kit 13 — X * # H
TG6S-Kit 15 — X * # H
TG6S-Kit 18 — X * # H

* Assembly Arrangements: (1, 2, 3 or 4)

The PTO application catalog typically shows the arrangement for PTOs with the output shaft pointed to the rear and below the centerline of the opening. The TG Kit should be stocked in popular arrangements to minimize the need to physically rearrange a PTO.

Output Shaft Options: (Table 5)

The TG Kit should be stocked in the popular output shafts to minimize the need to change output. Flange Kits shown in Table 5 should be stocked for the uncommon assemblies used.

Ratio Sets

04 Ratio — 02T34278 (36T) 04T34277 (13T)	06 Ratio — 02T34440 (31T) 04T34441 (19T)	08 Ratio — 02T35185 (26T) 04T35186 (23T)	13 Ratio — 02T35362 (21T 04T35363 (27T)
05 Ratio — 02T34276 (34T) 04T34275 (16T)	07 Ratio — 02T34272 (29T) 04T34271 (21T)	09 Ratio — 02T34398 (26T) 04T34399 (24T)	15 Ratio — 02T39172 (20T 04T34598 (29T)
		12 Ratio — 02T35162 (23T 04T35155 (26T)	18 Ratio — 02T34601 (18T 04T34605 (31T)

TABLE 2 TG APERTURE MOUNTING OPTIONS

Part No.	Part No.
6S – SAE 6-Bolt Std. Mtg. – Use TG6S-Kit	**8S – SAE 8-Bolt Std. Mtg.** – Use TG8S-Kit
6D – SAE 6-Bolt Non-Std. Mtg. – Use TG6S-Kit. Input gear design will change mounting depth of PTO. This is NOT a Housing change.	**8D – SAE 8-Bolt Non-Std. Mtg.** – Use TG8S-Kit Input gear design will change the mounting depth of the PTO. This is NOT a Housing change.
6N – Non-Standard Housing*	**8M – SAE 8-Bolt Extra Deep Mount** – This type is not stocked as a kit. Stock the special housing (01T35032) then change the housing as needed.
6A – SAE 6-Bolt Std. Mtg. w/29TK3863 – Use TG6S-Kit and 03T35730 (N56) gear only.	**8B – Same as 8S** – Use metric Stud Kit 20MKM800 (RL8), 20MKM801 (TG, SH8, CS8), or 20MKM802 (82 or 83)
6B – Same as 6S – Replace Stud Kit with metric 20MKM602	**8C – Same as 8D** – Use metric Stud Kit 20MKM801 (TG, CS8), or 20MKM802 (82)
6C – Same as 6D – Replace Stud Kit with metric 20MKM602	**8K – Same as 8D** – Without Stud Kit
6K – Same as 6D – Without Stud Kit	**8L – Same as 8S** – Without Stud Kit
6L – Same as 6S – Without Stud Kit	
6F – Non-Standard Housing#	

Note: * Not sold as kit without gear. Can only be used w/03T35350 (I85), 03T35540 (S71) or 03T37918 (S73).
Not sold as kit without gear. Can only be used w/03T37740 (F84).

TG SERIES KIT PROGRAM

TABLE 3 TG INPUT GEAR PITCH OPTIONS

U60 04

ITEM 12			
INPUT GEAR	TEETH	TRANS	NOTE
03T38783	(30T)	A69	3
*03T34810 **	*(18T)*	*C57*	
*03T34452 **	*(23T)*	*C60*	
*03T34454 **	*(20T)*	*C61*	
*03T34453 **	*(24T)*	*C70*	
*03T34455 **	*(28T)*	*C76*	
*03T40079 **	*(37T)*	*D94*	
03T64783	(27T)	E70	
03T62715	(33T)	E80	10
*03T94192 **	*(42T)*	*F10*	
*03T35189 **	*(42T)*	*F11*	
*03T35031 **	*(21T)*	*F61*	
*03T35613 **	*(25T)*	*F62*	
03T35024	(24T)	F63	
*03T35025 **	*(25T)*	*F65*	
03T38140	(24T)	F66	
03T37657	(26T)	F70	
*03T96626 **	*(29T)*	*F75*	
*03T37740 **	*(28T)*	*F84*	*2*
*03T43207 **	*(31T)*	*F89*	
*03T34325 **	*(27T)*	*G73*	
03T35180 *	(30T)	G85	
*03T37328 **	*(34T)*	*I84*	
03T34597	(26T)	M65	
*03T38530 **	*(31T)*	*M80*	*4*
*03T38531 **	*(30T)*	*M83*	

ITEM 12			
INPUT GEAR	TEETH	TRANS	NOTE
*03T37655A **	*(35T)*	*N10*	*9*
*03T35730 **	*(16T)*	*N56*	*7*
03T39158 *	(24T)	N70	5
*03T35489A **	*(30T)*	*N79*	*8, 9*
*03T35488A **	*(28T)*	*N80*	*8, 9*
*03T34457 **	*(28T)*	*N81*	
*03T34286 **	*(21T)*	*S60*	
*03T96746 **	*(22T)*	*S61*	
*03T38184 **	*(22T)*	*S63*	
03T94243	(26T)	S68	
*03T34287 **	*(24T)*	*S70*	
03T35540	(29T)	S71	
*03T37918 **	*(28T)*	*S73*	
*03T38546 **	*(29T)*	*T81*	
*03T35650 **	*(28T)*	*T82*	
*03T34451 **	*(20T)*	*U57*	
03T34285	(24T)	U60	1
*03T39495 **	*(24T)*	*U62*	
03T34284	(24T)	U68	
*03T34326 **	*(31T)*	*W80*	*6*
*03T96773 **	*(24T)*	*X68*	
*03T17306A **	*(38T)*	*Z10*	*9*
03T39491A *	(32T)	Z90	9
*03T37260A **	*(32T)*	*Z92*	*9*
*03T35935A **	*(37T)*	*Z98*	*9*
*03T17307A **	*(31T)*	*Z99*	*9*

ITEM 14			ITEM 10	
RATIO	RATIO GEAR	TEETH	OUTPUT GEAR	TEETH
04	04T34277	(13T)	02T34278	(36T)
05	04T34275	(16T)	02T34276	(34T)
06	04T34441	(19T)	02T34440	(31T)
07	04T34271	(21T)	02T34272	(29T)
08	04T35186	(23T)	02T35185	(26T)
09	04T34399	(24T)	02T34398	(26T)
12H	04T35155	(26T)	02T35162	(23T)
13H	04T35363	(27T)	02T35362	(21T)
15H	04T34598	(29T)	02T39172	(20T)
18H	04T34605	(31T)	02T34601	(18T)

Note – Item 10 and 14: Input Ratio Gear & Output Gear must be used in pairs as shown above.

The TG Series PTO is designed to allow easy change from one model transmission to another by changing only one gear and to allow changing speeds by changing two gears.

The chart shows gear part numbers for each transmission designator (Ex: U60) and each speed ratio available (Ex: 04).

NOTE* Input Gears in italics and marked with an asterisk are obsolete and no longer available.

Notes – Item 12:

1. When using this gear, replace the gasket pack with 52MK1002 or add 13M13541 gasket/shim when used with 04 or 05 ratio on Allison transmissions. Note that the TG04 ratios kits from Muncie Power include this gasket (kit), but the TG05 ratio kits do not.
2. With this gear a special housing (01T37765 w/(2) 26T37992 pins), a stud kit 20TK4049 (metric), and 52TK4113 packet is used. Use of any other housing is not approved.
3. The TG Series PTO always uses a special shifter cover when this input gear is used. Requires 20MKM604 stud kit and 23M60270 spacer and 52TK4470 kit to be used with the installation of the PTO & shift collar (49T38158).
4. Used only with special housing 01T35342 (N) and metric stud kit 20MKM602.
5. When selling this gear include the visor seal decal, 36M35665TC, with the boxed gear. When assembling a unit mount this decal on the visor label included with the PTO before applying to vehicle visor.
6. 13M51717 tube, gasket eliminator, is to be included with the boxed gear or when assembled into a unit.
7. Requires adapter plate kit 29TK3863.
8. Include special lube sheet MC94-02.
9. Gears with “A” include (2) coated thrust washers 21T38375 (item 11).
10. E80 requires special output shaft.

X68 INPUT GEAR:

Mack Trucks and TTC/Spicer provide 6-pitch spur gear drive gears which have a modified tooth profile and this profile makes it possible to have contact with the root of our standard U68 PTO gear as it is designed for the TG PTO. The X68 was design to eliminate this problem. The X68 gear can be used anywhere the U68 gear is used, but it must be used with the additional 23M60032S or 23M80032 spacer. The U68 gear should NOT be used on any application page showing the X68 input gear designator.

S68 INPUT GEAR:

The S68 input gear is a larger 6-pitch spur gear than the U68 or X68 input gear. This causes the gear to stick out of the housing further (or reach in deep into the transmission) thus the use of the “D” deep mount designator. The S68 is available in the TG Series as well as the SH/CS6/8 Series. (Note that the SH/CS Series with the S68 input gear are limited to the 07, 09, 12 ratios and the SH8D-S6813 or CS8D-S6814 ratios.)

The S68 is designed to fit either the U68 or X68 application without internal tooth interference. As an option, the S68 input gear can be used in place of the U68 or X68 when used with the additional spacer and stud kit as shown on the application page. Changing from the X68 or U68 to the larger S68 will change the output speed shown on the page, use multiplier .92 to determine the new PTO output percentage.

TG SERIES KIT PROGRAM

TABLE 4 TG SHIFT KIT/ASSEMBLY ARRANGEMENT OPTIONS

KIT NO.		ASSY.
A — Manual Air	16MK3803-A	(1 & 4)
	16MK3804-A	(2 & 3)
Kit includes shift cover, installation parts bag, & indicator light switch.		
C — Cable Control	16MK3735-14-A	(1 & 4)
	16MK3735-23-A	(2 & 3)
Kit includes shift cover, cable, knob, hook-up kit, indicator light kit, & indicator light switch.		
D — Double Acting Air	16TA3955 and 30T38111	(1 & 4)
	16TA3955 and 30T38110	(2 & 3)
Kit also requires 48M61261-A activation kit.		
E — 12 V Electric Air	16MK0200-A	(1 & 4)
	16MK1200-A	(2 & 3)
Kit includes shift cover, installation parts bag, & indicator light switch.		
N — Special Electric-Shift (N56 only)		
	16TA3803 and 30T38111 or	(1 & 4)
	16TA3804 and 30T38110	(2 & 3)
This kit also requires 48TK4516 (2003 MY) or 48TK4517 (1999-2002 MY) installation parts bag. Sold separately.		
P — Air Shift (Cover only)		
	16MK3803-PA	(1 & 4)
	16MK3804-PA	(2 & 3)
Kit includes the indicator light switch and connector.		
R — Lever Control	16MK3919-14-A	(1 & 4)
	16MK3919-23-A	(2 & 3)
Kit includes the shift cover, indicator light kit, & indicator light switch.		
S — Lectra Shift	16MK3848-A	(1 & 4)
	16MK3849-A	(2 & 3)
Kit includes shift cover, installation parts bag, wiring harness with relay, & indicator light switch.		
T — E-Hydra Shift		
	16TK5024	(1 & 4)
	16TK5025	(2 & 3)
	16TK5026	(1 & 4)
	16TK5027	(2 & 3)
Z — Cable Shift Allison 1000-2000		
	16TK4060-14-A	(1 & 4)
	16TK4061-23-A	(2 & 3)
Kit includes shift cover, installation parts bag, & indicator light switch.		
4 — Air Shift Allison 1000-2000		
	16TK4063-A	(1 & 4)
	16TK4064-A	(2 & 3)
Kit includes shift cover, installation parts bag, & indicator light switch.		
5 — Elect/Air Shift Allison 1000-2000		
	16TK4018-A	(1 & 4)
	16TK4019-A	(2 & 3)
Kit includes shift cover, installation parts bag, & indicator light switch.		
6 — Lectra Shift Allison 1000-2000		
	16TK4066-A	(1 & 4)
	16TK4067-A	(2 & 3)
Kit includes shift cover, installation parts bag, wiring harness with relay, & indicator light switch.		

TABLE 5 TG OUTPUT SHAFT OPTIONS

SHAFT TYPE
B — Standard Shaft 1¼" Round, 5⁄16" Keyway
C — 1410 Companion Flange (14TA3975)
F — SAE "A" 2-Bolt ¾" RD 3⁄16" Keyway (14TA4527)
G — Special ⅞" -13T Spline (14TA4528)
I — DIN 5462 36mm -8T Spline (14TA4422)
K — SAE "B" 2- & 4-Bolt ⅞" -13T Spline (14TA4531)
K"G" — SAE "B" 2- & 4-Bolt ⅞" -13T Greasable Opt (14TA4551)
L — SAE "B" 2- & 4-Bolt ⅞" RD ¼" Keyway (14TA4550)
M — SAE "A" 2- & 6-Bolt ⅝" -13T Spline (14MA4553)
N — 6-Bolt ¾" RD 3⁄16" Keyway (14TA4554)
P — SAE "BB" 2- & 4-Bolt 1" -15T Spline (14TA4532)
P"G" — SAE "BB" 2- & 4-Bolt 1" -15T Greasable Opt (14TA4552)
Q — SAE "A" 2-Bolt ⅞" -13T Spline (14TA4529)
R — SAE "A" 2-Bolt ⅝" -9T Spline (14TA4541)
S — SAE "B" 2-Bolt ⅞" -13T Spline (14TA4530)
T — SAE "A" 2-Bolt ¾" -11T Spline (14TA4533)
X — 1.3 -21T Spline
Z — SAE "B" 2- or 4-Bolt 1¼" -14T — Spline (14TA4423)
2 — DIN 100 Companion Flange (14TA3975)
6 — SAE "B" 2-Bolt ⅞" -13T Spline

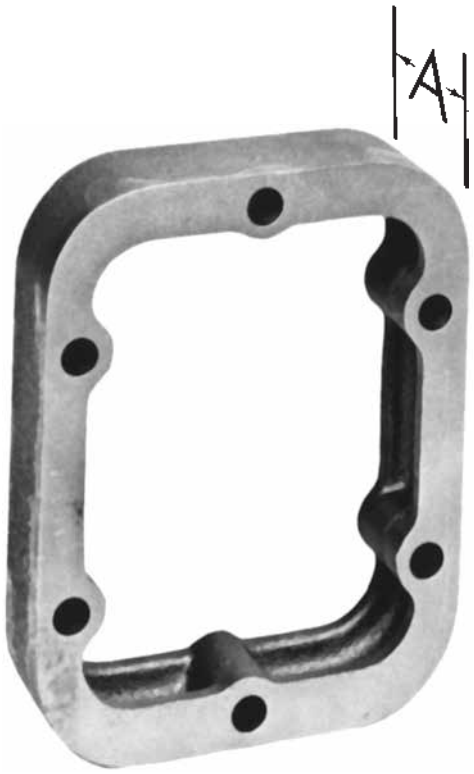
TABLE 6 TG SPECIAL FEATURE OPTIONS

OPTIONS	
X — None	
A — Reverse Shifter Mounting (Air, Electric/Air, or Lectra Shift only). Use cover kit from table 4 and kit #16TK3837	
E — U60 Input Gear, use gasket pack 52MK1001, attach 36M35665TC to visor decal	
F — Specal Clearnce Cap 15K35351	
G — Greaseable Shaft (see output shaft options above)	
H — High Torque (standard on 12, 13, 15, and 18 Ratios)	
I — Dual Terminal Indicator Switch 30M91113 N.O. (1 or 4 Assembly) 30M92247 N.C. (2 or 3 Assembly)	
J — High Torque – Pressure Lube (12, 13, 15, and 18 Ratios)	
M — Milled Idler Cap Install Clearance Cap Kit (15MK33977)	
P — Pressure Lubed – Install Kit (43MK3734)	
Q — High Torque with Milled Idler Cap Combine option "M" with option "H")	
S — Pulse Generator – Pressure Lube Combine option "U" and option "P"	
T — Pulse Generator – High Torque Combine option "U" and option "H"	
U — Pulse Generator. Change shift cover assembly to:	**Assy.**
Air Shift	
16MK3819-A	(1 & 4)
16MK3820-A	(2 & 3)
Cable Shift	
16MK3788-A	(3 & 3)
16MK3789-A	(1 & 4)
Lectra Shift	
16MK3867-A	(1 & 4)
16MK3868-A	(2 & 3)
This option includes the pulse generator.	
V — U60 Input Gear, use gasket pack 52MK1001. Install Clearance Cap Kit (15MK33977), and attach 3M35665TC to visor decal.	

SPACERS AND ADAPTER PLATES

FILLER BLOCKS (SPACERS) are required as called for in the TRANSMISSION APPLICATIONS, where it is necessary to use a spacer to adapt the power take-off to a particular transmission.

Two filler blocks (spacers) may be used in combination with one or more gaskets between the filler block surfaces.



In computing the total thickness of the filler block (spacer) and gasket combination, use a factor of .012" (compressed thickness of a 1/64" gasket 13M35092) for every 1/64" gasket required in installation.

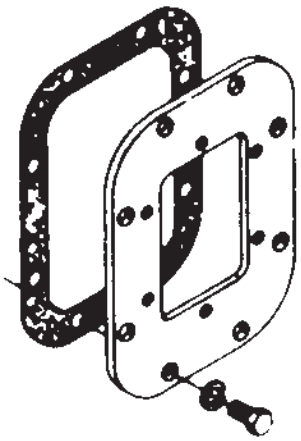
SAE 6-BOLT FILLER BLOCKS	
PART NUMBER	**"A" THICKNESS**
23M60032S	.032"
23M60062S	.062"
23M60093S	.093"
23M60125S	.125"
23M60140S	.140"
23M60165S	.165"
23M60187S	.187"
23M60200S	.200"
23M60240S	.240"
23M60270	.270"
23M60300	.300"
23M60350	.350"
23M60400	.400"
23M60450	.450"
23M60500	.500"
23M60550	.550"
23M60800	.800"
23M61000	1.000"
23M61500	1.500"
23M62000	2.000"

SAE 8-BOLT FILLER BLOCKS	
PART NUMBER	**"A" THICKNESS**
23M80032	.032"
23M80062	.062"
23M80165	.165"
23M80190	.190"
23M80248	.248"
23M80295	.295"
23M80375	.375"
23M80500	.500"
23M81200	1.200"
23M81350	1.350"

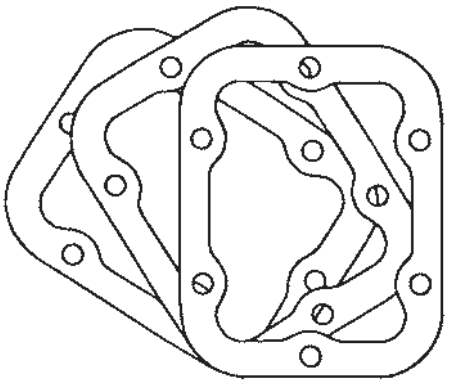
SAE 8-BOLT ADAPTER PLATES

SAE 8-BOLT ADAPTER PLATE. Used to convert an SAE 8-Bolt aperture to an SAE 6-Bolt aperture.

KIT NUMBER	"A" THICKNESS
29MK8375	.375"
29MK8460	.460"
29MK8248	.248"
29MK8460M (Metric Studs)	.460"
29MK8248M (Metric Studs)	.248"



GASKET KITS AND MOUNTING PARTS



Use the proper quantity of gaskets as SHIMS to provide the best running condition of the power take-off. If the installation is TOO TIGHT—add gaskets, if TOO LOOSE—remove gaskets.

To facilitate handling, popular size gaskets are supplied in kits.

One or more gaskets (as required) must always be used between the metal surfaces of the power take-off, adapter gear assembly, adapter plate, and filler block or blocks.

The 13M13541 gasket is recommended for all Allison transmissions using U60 gear designators.

Refer to the PTO operator's manual, supplied with the PTO, for more detailed installation information.

Gaskets which are .010" in thickness generally affect backlash by .006". Gaskets which are .020" in thickness generally affect backlash by .012".

SAE 8-BOLT HOLE

GASKET KIT PART NUMBER	KIT CONSISTS OF GASKETS		
	QUANTITY	THICKNESS	PART NUMBER
13MK5701	25	.010"	13M35151
	25	.020"	13M35152
13MK5702	10	.010"	13M35151
13MK5707	10	.020"	13M35152
13MK5708	100	.010"	13M35151
13MK5709	100	.020"	13M35152

SAE 6-BOLT HOLE

GASKET KIT PART NUMBER	KIT CONSISTS OF GASKETS		
	QUANTITY	THICKNESS	PART NUMBER
13MK5703	100	.010"	13M35091
13MK5704	100	.020"	13M35092
13MK5705	50	.010"	13M35091
13MK5706	50	.020"	13M35092

STUD KIT SPECIFICATIONS

All 6-Bolt Stud Kits Include Studs and
6 — 0.375-24 Hex Locking Nuts

6-BOLT STUD KITS			
PART NUMBER	LENGTH	PART NUMBER	LENGTH
20MK6601	1.50"	20MK6613	3.00"
20MK6602	1.63"	20MK6615	3.25"
20MK6603	1.75"	20MK6616	3.38"
20MK6604	1.88"	20MK6617	3.50"
20MK6605	2.00"	20MK6621	4.00"
20MK6607	2.25"	20MK6623	4.25"
20MK6608	2.38"	20MK6625	4.50"
20MK6609	2.50"	20MK6627	4.75"
20MK6610	2.63"	20MK6629	5.00"
20MK6611	2.75"	20MK6631	5.25"
20MK6612	2.88"		

All 8-Bolt Stud Kits Include Studs and
8 — 0.44-20 Hex Nuts, 8 — Lock Washers

METRIC STUD KITS		8-BOLT STUD KITS	
PART NUMBER	LENGTH	PART NUMBER	LENGTH
6-BOLT - 10MM: ⅜" UNF		20MK8808	2.00"
20MKM602	48 mm	20MK8815	2.13"
20MKM603	50 mm	20MK8817	2.38"
20MKM604	53 mm	20MK8814	2.50"
8-BOLT - 12MM: 7⁄16" UNF		20MK8816	2.63"
20MKM800	45 mm	20MK8807	2.75"
20MKM801	50 mm	20MK8818	3.00"
20MKM802	55 mm	20MK8812	3.13"
20MKM804	65 mm	20MK8813	3.25"
20MKM806	75 mm		

STUD KIT SPECIFICATIONS

SH6 AND CS6 SERIES PTO STUD KITS							
THIS KIT (OLD KIT)	REPLACED BY (NEW KIT)	CONTAINS (2) STEP STUD	LENGTH	THIS KIT (OLD KIT)	REPLACED BY (NEW KIT)	CONTAINS (2) STEP STUD	LENGTH
20MKM602	20TK4359	20T37952	40mm	20MK6604	20TK4434	20T38576	1.88"
13MK5702	20TK4360	20T38391	45mm	20MK6605	20TK4435	20T38577	2.00"
13MK5707	20TK4418	20T37032	1.50"	20MK6607	20TK4436	20T37578	2.25"
13MK5708	20TK4433	20T38575	1.75"	20MK6615	20TK4437	20T38579	3.25"
				20MK6617	20TK4438	20T38580	3.50"

The stud kits used in the SH6 and CS6 Series PTOs were changed to include (2) step studs in place of (2) of the regular studs.

STUD AND CAP SCREW APPLICATION					
PTO SERIES	STUD OR CAP SCREW KIT	LENGTH	PTO SERIES	STUD OR CAP SCREW KIT	LENGTH
CS6B, CS6C	20TK6389	43mm	TG6B, TG6C	20MKM602	40mm
CS6B-A6707	20TK6390	53mm	TG6D, TG6S, TG6N-S71	20MK6700	1.50"
CS6D, CS6S, CS6N-S71	20TK4418	1.50"	TG6F	20TK4049	40mm
CS6B-I84	20TK6335	43mm	TG6N-I84	20TK4074	38mm
CS6N-I85	20MKM104	40mm	TG6N-I85	20MKM104	40mm
CS8B, CS8C	20MKM802	55mm	TG8B, TG8C	20MKM802	55mm
CS8D, CS8S	20MK8800	1.25"*	TG8D, TG8S	20MK8801	1.38"*
CS10	20TK6353	30mm	828B, 828C	20MKM802	55mm
A20	20TK6353	30mm	828D, 828S	20MK8815	2.13"
A30	20TK6353	30mm	FA62	20TK4070	25mm
RL6C	20MKM602	40mm	FA64	20TK4071	25mm
RL6D	20MK6601	1.50"	FR62/FR63	20TK4525	25mm
RL8B	20MKM800	45mm	FR67	20TK4542	25mm
RL8S	20MK8800	1.25"*	8405A	20MK8800	1.25"*
SH6B, SH6C	20TK4359	40mm	8405B	20MKM802	55mm
SH6D, SH6S	20TK4418	1.50"	FA6B-A67	20TK5283	25mm*
SH8B, SH8C	20MKM802	55mm	FA6B-I84	20TK5169	38mm
SH8D, SH8S	20MK8800	1.25"*			

NOTE: *Cap Screw Length

ADAPTERS:

The application pages have a box for the inclusion of an adapter which can be used to change the rotation of the PTO output shaft as shown on this particular application. The adapter shown relates to all the PTOs shown above it on that page. Adapters are available for only 6-Bolt type PTOs. Refer to the listed footnotes before specifying an adapter. These footnotes typically show changes that are required of the TG Series to make it mount properly to the adapter.

Example: The Allison 1000/2000 Application Page ALLI-09

1 FWD. 1 REV.												
	ADAPTER TO CHANGE ROTATION	13, 16	40TA6830-2, 40TA6855-2						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

- The adapter to change rotation is 40TA6830-2 and 40TA6855-2

FOOTNOTES:

13 40TA6830-2 adapter uses metric PTO stud kit. Check for clearance to frame rail and other chassis components before using. 40TA6830-2 adapter uses metric PTO stud kit. Check for clearance to frame rail and other chassis components before using.

16 40TA6855-2 can be used with CS6S Series PTO only. Use standard stud kit (20TK4418) with this PTO. Check for clearance to frame rail and attached components. Spacer 23M60165S (included) mounts to transmission side.

- The footnote indicate that 40TA6830-2 uses a metric stud kit. Whereas, 40TA6855-2 uses a standard PTO stud kit. The footnote also informs you to check for clearance to frame rail and other chassis components before using.

ADAPTER GEAR ASSEMBLIES

FIGURE 1 SOLID BODY-SINGLE GEAR

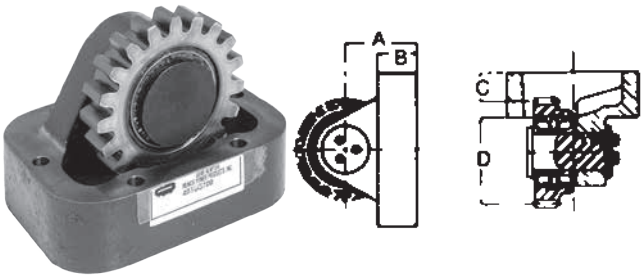


FIGURE 2 ANGULAR OFFSET

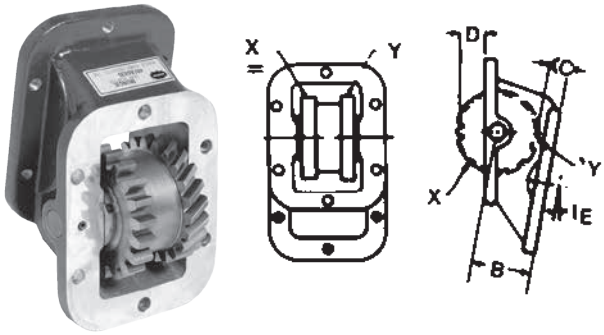
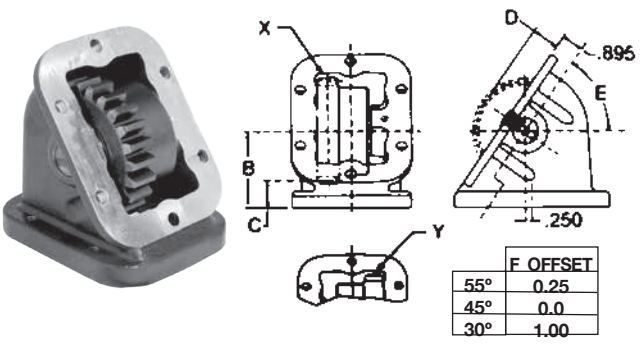
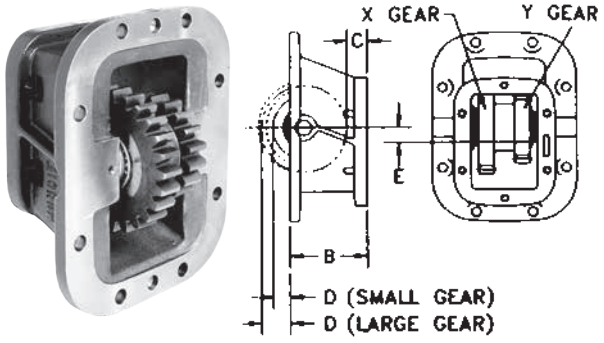


FIGURE 3 ANGULAR



	F OFFSET
55°	0.25
45°	0.0
30°	1.00

FIGURE 4 8-BOLT TO 6-BOLT



ADAPTER GEAR ASSEMBLIES

FIGURE 5 FLANGED BODY SINGLE GEAR

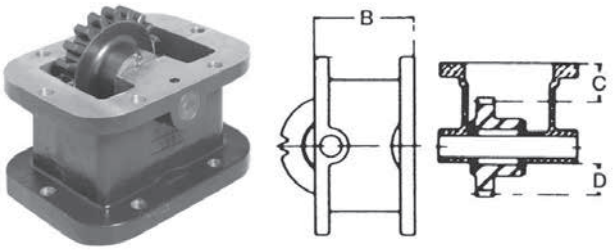


FIGURE 6 HORIZONTAL OFFSET

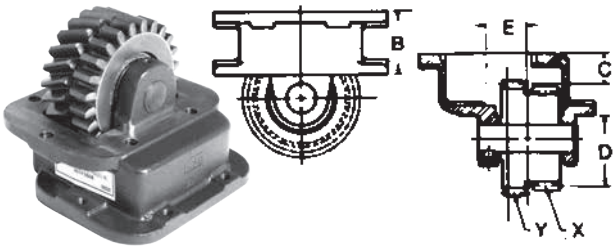


FIGURE 7 NISSAN ADAPTER

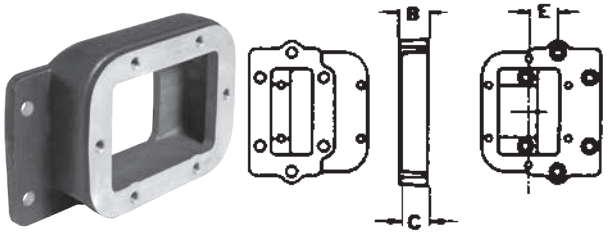


FIGURE 8 VERTICAL OFFSET

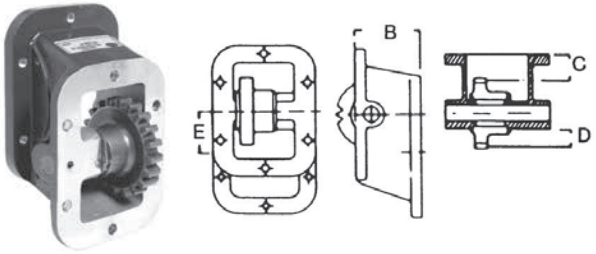


FIGURE 9 6-BOLT MACK ADAPTER

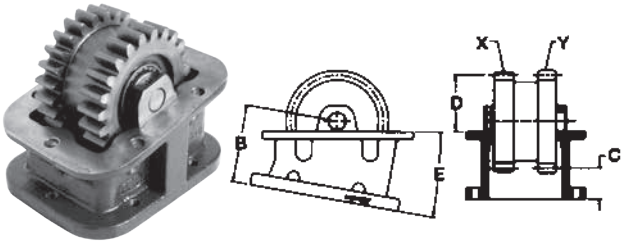
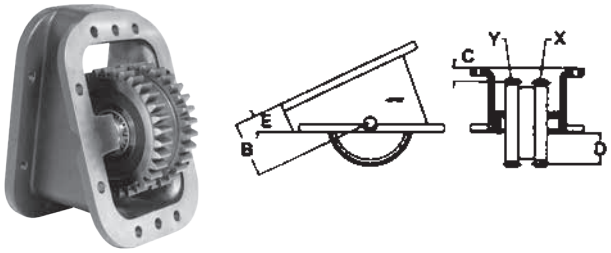


FIGURE 10 8-BOLT MACK ADAPTER



ADAPTER GEAR ASSEMBLIES DIMENSIONAL DATA

MODEL NO.	FIG.	FOOTNOTE	GEAR DATA		DIMENSIONS			
			APPL.	TEETH	A	B	C	D
40TU6800	1		U68	22	2.917 (74.1)	1.651 (41.9)	1.084 (27.5)	3.099 (78.7)
40TM6500	1	1	M65	24	2.917 (74.1)	1.651 (41.9)	1.065 (27.1)	3.118 (79.2)
40TA0541	5	3, 5	U68	20	—	3.315 (84.2)	1.085 (27.6)	5.046 (128.2)

continued on page 35

ADAPTER GEAR ASSEMBLIES DIMENSIONAL DATA *(continued from page 33)*

MODEL NO.	FIG.	FOOTNOTE	LOCA.	APPL.	TEETH	B	C	D	E
40TA0810	8	2, 3, 4, 5	—	U68	20	2.825 (71.8)	.642 (16.3)	1.148 (29.2)	1.750 (44.5)
40TI8410-1/-2	2	3, 4, 6	Y	I84	28	2.307 (58.6)	.653 (16.6)	1.136 (28.9)	10°
40TU6810-1/-2	2	2, 3, 4, 5, 6	X or Y	U68	20	2.307 (58.6)	.682 (17.3)	1.147 (29.1)	10°
40TZ9210-1/-2	2	3, 4, 5, 6	X or Y	Z92	22	2.307 (58.6)	.835 (21.2)	.954 (24.2)	10°
40TZ9968-1	2	3, 4, 5, 7	X Y	Z99 U68	31 20	2.307 (58.6)	.682 (17.3)	1.253 (31.8)	10°
40TZ1068-2	2	3, 4, 5, 9	X or Y	A68	27	2.842 (72.2)	0.875 (22.2)	1.125 (28.6)	30°
40TU6830-1	2	3, 4	X	U68	23	2.83 (71.9)	0.914 (23.2)	1.088 (27.6)	30º
40TA6830-2	2	3, 4	Y	A68	27	2.842 (72.2)	0.875 (22.2)	1.12 (28.4)	30º
40TU6845-1	3	3, 4	X	U68	24	3.082 (78.3)	1.085 (27.6)	1.105 (28.1)	45º
40TA6855-1/2	3	3, 4	X	A68	28	3.034 (77.1)	0.995 (25.3)	1.144 (29.1)	55º
40TF6855-1	3	3, 4, 6	X Y	U68 F68	24 25	3.071 (78.0)	1.072 (27.2)	1.395 (35.4) .812 (20.6)	55º
40TU6855-1	3	3, 4	X	U68	24	3.071 (78.0)	1.072 (27.2)	1.105 (28.1)	55°
40TU6855-2	3	3, 4	Y	U68	24	3.071 (78.0)	1.072 (27.2)	1.105 (28.1)	55°
40TU6886-1	4	3, 4	X Y	U68 U68	25 18	3.76 (95.5)	1.027 (26.1)	1.395 (35.4) .812 (20.6)	.71 (18.0)
40TU6886-2	4	3, 4	X Y	U68 U68	18 25	3.76 (95.5)	1.027 (26.1)	.812 (20.6) 1.395 (35.4)	.71 (18.0)
40TF6168	6	3	X Y	F61 U68	19 24	2.235 (56.8)	1.085 (27.6)	2.630 (66.8)	1.435 (36.4)
40TF6668	6	3	X Y	F66 U68	23 24	2.235 (56.8)	1.085 (27.6)	2.76 (70.1)	1.435 (36.4)
40TF8368	6	3	X Y	F83 U68	26 24	2.235 (56.8)	1.085 (27.6)	2.571 (65.3)	1.435 (36.4)
40TS7168	6	3	X Y	S71 U68	25 24	2.235 (56.8)	1.085 (27.6)	2.762 (70.2)	1.435 (36.4)
40TS7368	6	3	X Y	S73 U68	24 24	2.235 (56.8)	1.085 (27.6)	2.715 (69.0)	1.435 (36.4)
29TK3863	7	3	—	—	—	1.430 (36.3)	1.085 (27.6)	—	1.500 (38.1)
29TK3954	7	3	—	—	—	1.983 (50.4)	1.085 (27.6)	—	0.416 (10.6)
40TM6616-1	9	3	X Y	M66 S68	25 23	3.201 (81.3)	1.285 (32.6)	2.322 (59.0)	10°
40TM6628-2	10	3	X Y	M66 U68	33 31	3.416 (86.8)	0.830 (21.1)	1.933 (49.1)	25°

Footnotes:

1 Shipped with 23M60062S to be used on PTO side of adapter.
2 Requires 23M60032S sold separately.
3 Includes stud kit to mount adapter.
4 The “C” dimension does not reflect the idler shaft offset. This adapter is designed for a standard mount PTO.
5 Derate PTO application by 30% when using this adapter. Do not use this adapter for continuous duty applications.
6 Adapter is single gear design.
7 Adapter is not designed for PTO use! Use to reposition Eaton Inertia Brake only!

PTO OUTPUT SHAFT RATINGS

DIRECT MOUNTED HYDRAULIC PUMP

Hydraulic pumps connected to PTOs by means of a spline hydraulic pump mounting are rated the same as the hydraulic pump shaft by the pump manufacturer. Muncie Power PTO output shafts are made to ANSI or SAE standards. Pump manufacturers may rate their input shafts based on displacement. Be sure to select a shaft size which is adequate to handle your needs. It is recommended that you use the largest shaft available for the PTO which would be compatible to your hydraulic pump.

SHAFT LIMITS:	
SHAFT	STL
⅝" -9T	≤ 5,490
¾" -11T	≤ 10,114
⅞" -13T	≤ 16,500
1" -15T	≤ 25,650
1¼" -14T	≤ 33,300

The pump input shaft can withstand torque up to the designed shaft torque limitation (STL). This figure is based on multiplying the pump cu.in. displacement × the pump pressure. Tandem pumps are two pumps with individually calculated STLs added together not to exceed the limitation figure. Use this chart as a guide.

Check with your pump manufacturer. They will have their own ratings and the lower rating is to be used.

REMOTE DRIVE SHAFT

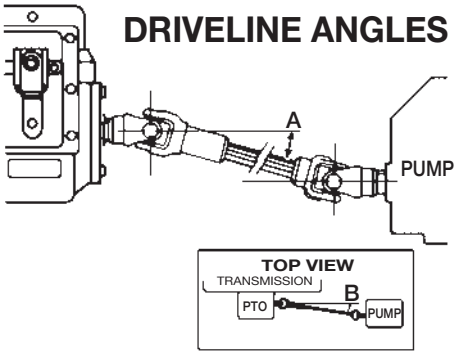
Refer to the table for the proper driveline series. Torque and horsepower are based on typical PTO driven applications and are intermittent ratings. Driveshaft applications are dependent on many factors including (but not limited to) torque, shaft length, shaft series, and speed. Tubular drive shaft are recommended for all PTO driveshaft applications. High cyclic power operations require the use of the largest output shaft and Muncie Power recommends the splined output shafts with companion flanges for these applications.

SERIES	CROSS & BEARING	MAX. HP@ 1,000 RPM
1000	MK-2X	30
1280	5-200X	60
1310	5-153X	95
1410	5-160X	125*

NOTE:
*Limited By PTO

DRIVELINE ANGLES

MAX. SPEED (RPM	MAX. TJA "A"
3,500*	5°
3,000*	5°
2,500	7°
2,000	8°
1,500	11°
1,000	12°



NOTE:
* For speeds over 2,500 RPM contact Muncie Power for Approval.

For installations with angles in the top and side views use this formula to compute the true joint angle (TJA): TJA = $\sqrt{A^2 + B^2}$

Round, keyed output shafts are susceptible to failure by high cyclic loading. Applications requiring round, keyed PTO output shafts should use the "severe duty" rating shown on this chart.

TORQUE RATINGS FOR REMOTE SHAFTS

PTO SHAFT (Round, Keyed or External Spline)	DUTY CYCLE		
	INTERMITTENT (lb.ft.)	CONTINUOUS (lb.ft.)	SEVERE (lb.ft.)
⅞" w/¼" Key	130	90	35
1" w/¼" Key	130	90	60
1¼" w/ 5/16" Key	300	210	200
1.3" -21T Spl w/Comp Flg	300	210	200
1½" -10T Spl w/Comp Flg	600	420	390

Detailed information is available for drivelines from Neapco and Spicer.

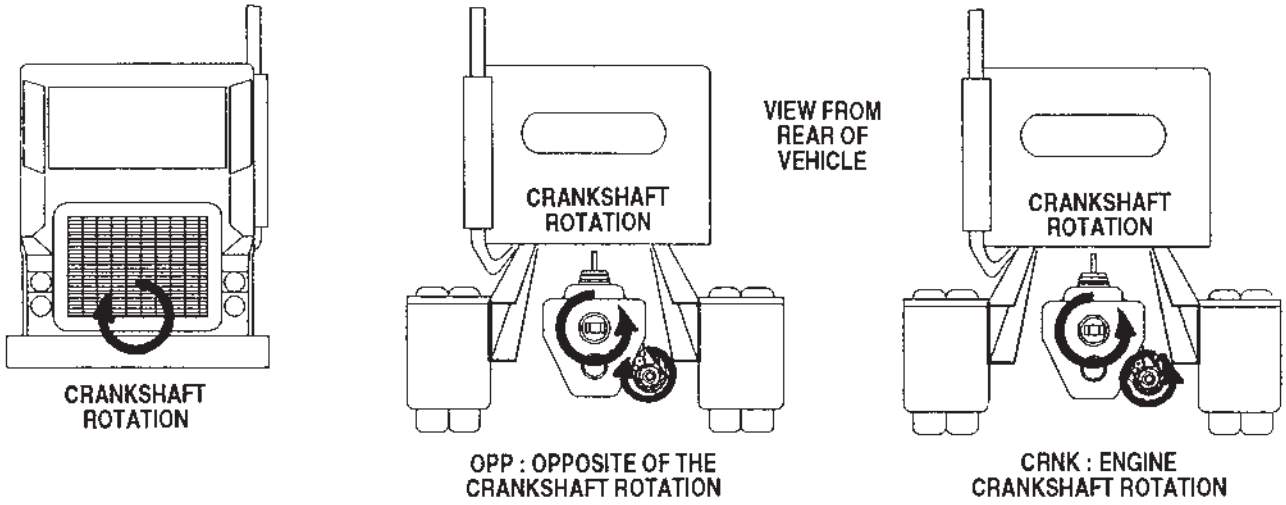
www.neapco.com
www.spicerparts.com

Maximum Drive Shaft Lengths (Tubular Shafts) - Length = CL to CL of joints

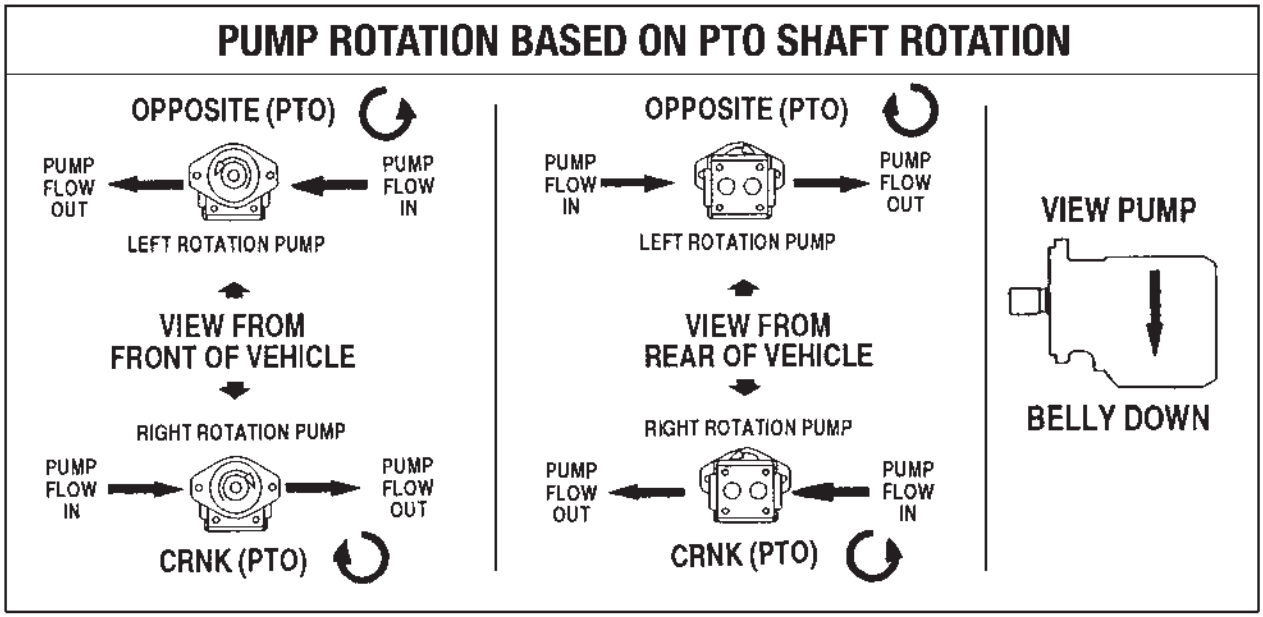
SERIES	TUBE	LENGTH	MAX. RPM
1000	1.75 × .065W	52"	2,500 RPM
1100	1.25 × .095	40"	2,500 RPM
1280/1310	2.5 × .083W	55"	2,500 RPM
1310	3 × .083W	76"	2,500 RPM

PTO SHAFT ROTATION

The PTO output shaft rotation as listed on the application page is shown as it relates to the vehicle crankshaft rotation. The rotation of the vehicle crankshaft is always clockwise when viewed from the front of the vehicle. The PTO output shaft designated as “Crnk” means that the shaft is turning the same rotation as the vehicle crankshaft. The PTO output shaft designated as “Opp” means that the shaft is turning the opposite rotation as the vehicle crankshaft. These two terms are shown in the figures below.



The rotation of the output shaft may be changed by the use of the appropriate gear adapter as shown on the previous pages. The rotation of the output shaft is important in specifying the proper driven component of the PTO. When using a gear type hydraulic pump, the rotation is often designated as “right hand” or “left hand”. The chart below shows which rotation hydraulic pump to use when the PTO application page designates a “Crnk” or “Opp” rotation PTO shaft. The chart also shows the proper side of the hydraulic pump for the inlet and the outlet hose connections. This is viewing the hydraulic pump with the pump’s body offset down (belly down).



PUMP SPECIFICATIONS BY SERIES

PUMP SERIES	FLOW*	DISPLACEMENT	MAX. PRESSURE** PSI (BAR)	MAX. RPM	MIN. RPM***
	GPM (LPM)	CU.IN. (CM^3)			
PF4-160	1.6 (6)	.37 (6)	3,625 (250)	3,000	500
PF4-212	2.1 (8)	.49 (8)	3,625 (250)	3,000	500
PF4-264	2.6 (10)	.61 (10)	3,625 (250)	3,000	500
PF4-290	3.2 (12)	.73 (12)	3,625 (250)	3,000	500
PF4-368	3.7 (14)	.85 (14)	3,625 (250)	3,000	500
PF4-424	4.2 (16)	.98 (16)	3,625 (250)	3,000	500
PF4-502	5.0 (19)	1.16 (19)	3,625 (250)	3,000	500
PF4-606	6.1 (23)	1.40 (23)	3,625 (250)	2,500	500
PF4-714	7.4 (28)	1.71 (28)	2,900 (200)	2,500	500
PF4-818	7.9 (30)	1.83 (30)	2,900 (200)	2,500	500
PF4-870	8.7 (33)	2.01 (33)	2,320 (160)	2,500	500
Refer to Brochure MP08-06 for Dimensions and Specifications					
PH1-03	3 (10)	.62 (10)	3,500 (241)	3,500	1,000
PH1-05	5 (20)	1.24 (20)	3,500 (241)	3,500	800
PH1-07	7 (25)	1.55 (25)	3,500 (241)	3,250	800
PH1-08	8 (31)	1.86 (31)	3,250 (224)	3,000	800
PH1-09	9 (36)	2.17 (36)	2,900 (200)	3,000	800
PH1-11	11 (41)	2.48 (41)	2,500 (172)	3,000	800
Refer to Brochure MP15-17 for Dimensions and Specifications					
PK1-04	4 (16)	.98 (16)	3,000 (207)	3,600	600
PK1-06	6 (24)	1.47 (24)	3,000 (207)	3,600	600
PK1-08	8 (32)	1.97 (32)	3,000 (207)	3,000	600
PK1-11	11 (40)	2.46 (40)	3,000 (207)	3,000	600
PK1-13	13 (48)	2.96 (48)	3,000 (207)	2,500	600
PK1-15	15 (57)	3.45 (57)	2,500 (172)	2,500	600
PK1-17	17 (65)	3.94 (65)	2,500 (172)	2,500	600
Refer to Brochure MP15-12 for Dimensions and Specifications					
PL1-14	14 (52)	3.18 (52)	3,000 (207)	3,000	600
PL1-16	16 (63)	3.82 (63)	3,000 (207)	3,000	600
PL1-19	19 (73)	4.46 (73)	3,000 (207)	3,000	600
PL1-23	23 (85)	5.20 (85)	2,500 (172)	3,000	600
PL1-25	25 (93)	5.73 (93)	2,500 (172)	2,500	600
PL1-27	27 (104)	6.37 (104)	2,500 (172)	2,500	600
PL1-30	30 (115)	7.01 (115)	2,000 (138)	2,500	600
Refer to Brochure MP15-11 for Dimensions and Specifications					
W06	6 (23)	1.45 (23.9)	4,350 (300)	3,600	800
W08	8 (30)	1.96 (32.2)	4,350 (300)	3,600	600
W11	11 (42)	2.42 (39.7)	4,350 (300)	3,250	600
W13	13 (49)	2.92 (47.9)	4,000 (275)	3,000	600
W15	15 (57)	3.46 (56.8)	3,750 (260)	2,750	600
W17	17 (64)	3.96 (65.0)	3,500 (240)	2,500	600
W19	19 (72)	4.37 (71.6)	3,250 (225)	2,500	600
W21	21 (80)	4.87 (79.8)	3,000 (210)	2,500	600
Refer to Brochure MP15-13 for Dimensions and Specifications					

PUMP SPECIFICATIONS BY SERIES *(continued from page 38)*

PUMP SERIES	FLOW* GPM (LPM)	DISPLACEMENT CU.IN. (CM^3)	MAX. PRESSURE** PSI (BAR)	MAX. RPM	MIN. RPM***
X14	14 (53)	3.18 (52.1)	4,350 (300)	3,000	800
X16	16 (60)	3.83 (62.9)	4,350 (300)	3,000	600
X19	19 (72)	4.44 (72.8)	3,750 (260)	3,000	600
X23	23 (87)	5.20 (85.3)	3,500 (240)	2,750	600
X25	25 (95)	5.69 (93.4)	3,250 (225)	2,750	600
X27	27 (102)	6.35 (104)	3,000 (210)	2,500	600
X30	30 (114)	7.01 (115)	2,500 (190)	2,500	600
X33	33 (125)	7.78 (128)	2,500 (190)	2,500	600
X36	36 (136)	8.43 (138)	2,250 (155)	2,250	600
Refer to Brochure MP15-14 for Dimensions and Specifications					
MLSM-27	27 (102)	6.10 (102)	3,000 (207)	2,500	800
MLSM-31	31 (117)	7.11 (117)	3,000 (207)	2,500	800
MLSM-35	35 (132)	8.20 (132)	2,750 (190)	2,400	800
MLSM-40	40 (151)	9.27 (151)	2,750 (190)	2,300	800
MLSM-44	44 (166)	10.25 (166)	2,500 (170)	2,200	800
Refer to Brochure MP15-37 for Dimensions and Specifications					
Dump Pumps			**		
S3LD1-06	6 (24)	1.47 (24)	2,500 (172)	2,500	800
S3LD1-11	13 (49)	2.96 (49)	2,500 (172)	2,500	800
S3LD1-15	17 (65)	3.94 (65)	2,500 (172)	2,500	800
E(H)3XL1-23	23 (87)	5.20 (85)	2,500 (172)	2,500	800
E(H)3XL1-27	27 (102)	6.37 (104)	2,500 (172)	2,500	800
Refer to Brochures MP15-10 and MP15-09 for Dimensions and Specifications					

Notes:
Pumps are cast iron, three piece construction, with heavy duty roller or sleeve bearings, and pressure balanced wear plates. Call Muncie Power Products for detailed specifications or application assistance.

* Theoretical Flow @ 1,000 RPM.
** Intermittent Cycles Only.
*** Higher RPMs are generally recommended for continuous operation.
To calculate torque requirement, use formula: T = CID × PSI ÷ 75.53

TRANSMISSION INDEX SECTION

This index includes current popular makes and models. For older transmissions not listed see the listing on the Muncie Power website, www.munciepower.com/software/power/qr and select Transmission Index from the Additional QR Files or contact Muncie Power Products.

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TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
AISIN					
	450-43LE	4	3RD	58L	AISN-01
	A443	4	3RD	58L	AISN-01
	A445	4	3RD	58L	AISN-01
	A45X2	6	5TH	69R	AISN-06
	A465HD	6	5TH	69L	AISN-06
	A465id	6	5TH	69L	AISN-06
	AS68RC	6	5TH	69R	AISN-02
	MO36A6	6	5TH	69L	AISN-06
	MY-600	6	5TH	69L	AISN-06
	A460	6	5TH	63L	AISN-03
	A860E	6	5TH	63L	AISN-03
	AS69RC (DIESEL)	6	5TH	69L or 69L	AISN-04
	A467	6	5TH	69L	AISN-04
	AS66RC (GAS)	6	5TH	69R or 69L	AISN-05
ALLISON					
	There are many older model Allison transmissions not listed here for which Muncie can provide PTOs. Contact the Muncie Sales Department for assistance with these models.				
	1000 SERIES (EVS, RDS, SPS, MHS, BUS, TRV)	5	4TH	64R&64L	ALLI-09
	1700, 1750 SERIES	5	4TH	64R&64L	ALLI-15
	2000 SERIES (EVS, RDS, SPS, MHS, BUS, TRV)	5	4TH	64R&64L	ALLI-09
	2000 SERIES HINO CHASSIS 2015 & Later	5	4TH	64R&64L	ALLI-13
	2000 SERIES HINO CHASSIS 2021 & Later	5	4TH	64R&64L	ALLI-16
	2700, 2750 SERIES	5	4TH	64R&64L	ALLI-15
	3000* SERIES (EVS, RDS, SPS) MD-SERIES W/TOP OPENING	5	4TH	68R&68L	ALLI-05
	3000* SERIES (MHS, BUS, TRV) Optional MD-SERIES W/TOP OPENING	5	4TH	83R&83L	ALLI-10
	3000* SERIES (EVS, RDS, SPS) Optional MD-SERIES W/TOP OPENING	5	4TH	83R&83L	ALLI-10
	3000 SERIES HINO CHASSIS 2015 & Later	5	4TH	68R&68L	ALLI-14
	3000 SERIES HINO CHASSIS 2021 & Later	5	4TH	68R&68L	ALLI-17
	3700, 3700 SPS	7	4TH	68L	ALLI-11
	4000* SERIES (EVS,RDS,SPS)	5	4TH	97R&97L	ALLI-06
	4000* SERIES (MHS,BUS,TRV) Optional	5	4TH	97R&97L	ALLI-06
	6310xxxxxx Serial No. 1000 or 2000 SERIES	5	4TH	64R&64L	ALLI-09
	6311xxxxxx Serial No. 1000 Series	6	4TH	64R&64L	ALLI-09
	6510xxxxxx Serial No. 3000* Series	5	4TH	68R&68L	ALLI-05
	6520xxxxxx Serial No. 3000* Series	5	4TH	68R&68L	ALLI-05
	6610xxxxxx Serial No. 4000* Series	5	4TH	97R&97L	ALLI-06
	AT-1542	4	4TH	55R	ALLI-01
	AT-1545	4	4TH	55R	ALLI-01
	AT-540	4	4TH	55R	ALLI-01
	AT-542	4	4TH	55R	ALLI-01
	AT-543	4	4TH	55R	ALLI-01
	AT-545	4	4TH	55R	ALLI-01
	CLBT-5620*	6	5TH	46R&38T	ALLI-08
	CLBT-5860*	6	5TH	46R&38T	ALLI-08
	CLBT-5861*	6	5TH	46R&38T	ALLI-08
	CLBT-5961*	6	5TH	46R&38T	ALLI-08
	CLBT-5963*	6	5TH	46R&38T	ALLI-08
	CLBT-5965*	6	5TH	46R&38T	ALLI-08
	CLBT-6061*	6	5TH	46R&38T	ALLI-08
	CLBT-6062*	6	5TH	46R&38T	ALLI-08
	CLBT-6063*	6	5TH	46R&38T	ALLI-08
	CLBT-6620*	6	5TH	46R&38T	ALLI-08
	CLBT-750	5	5TH	78L	ALLI-03
	CLBT-750 (OPTIONAL 8-BOLT OPENINGS)*	5	5TH	40T&64L	ALLI-04
	CLBT-9681*	6	5TH	52R&39T	ALLI-07
	CLT-5620*	6	5TH	46R&38T	ALLI-08
	CLT-5860*	6	5TH	46R&38T	ALLI-08
	CLT-5861*	6	5TH	46R&38T	ALLI-08
	CLT-5961*	6	5TH	46R&38T	ALLI-08
	CLT-5963*	6	5TH	46R&38T	ALLI-08
	CLT-5965*	6	5TH	46R&38T	ALLI-08
	CLT-6061*	6	5TH	46R&38T	ALLI-08
	CLT-6062*	6	5TH	46R&38T	ALLI-08
	CLT-6063*	6	5TH	46R&38T	ALLI-08
	CLT-6620*	6	5TH	46R&38T	ALLI-08
	CLT-750	5	5TH	78L	ALLI-03
	CLT-750 (OPTIONAL 8-BOLT OPENINGS)*	5	5TH	40T&64L	ALLI-04
	CLT-9884*	6	5TH	52R&39T	ALLI-07
	CLT-9885*	6	5TH	52R&39T	ALLI-07
	DP-8861*	6	5TH	52R&39T	ALLI-07
	DP-8862*	6	5TH	52R&39T	ALLI-07
	DP-8960*	6	5TH	52R&39T	ALLI-07
	DP-8961*	6	5TH	52R&39T	ALLI-07
	DP-8962*	6	5TH	52R&39T	ALLI-07
	DP-8963*	6	5TH	52R&39T	ALLI-07
	HD-4060P*	6	4TH	97R&97L	ALLI-06
	HD-4070P*	7	4TH	97R&97L	ALLI-06
	HD-4560P*	6	4TH	97R&97L	ALLI-06
	HT-740	4	4TH	78L	ALLI-03
	HT-740 (OPTIONAL 8-BOLT OPENINGS)*	4	4TH	40T&64L	ALLI-04
	HT-740D	4	4TH	78L	ALLI-03
	HT-740D (OPTIONAL 8-BOLT OPENINGS)*	4	4TH	40T&64L	ALLI-04
	HT-740DT	4	4TH	78L	ALLI-03
	HT-740DT (OPTIONAL 8-BOLT OPENINGS)*	4	4TH	40T&64L	ALLI-04
	HT-740FS	4	4TH	78L	ALLI-03
	HT-740FS (OPTIONAL 8-BOLT OPENINGS)*	4	4TH	40T&64L	ALLI-04
	HT-740FTS	4	4TH	78L	ALLI-03
	HT-740FTS (OPTIONAL 8-BOLT OPENINGS)*	4	4TH	40T&64L	ALLI-04
	HT-740RS	4	4TH	78L	ALLI-03
	HT-740RS (OPTIONAL 8-BOLT OPENINGS)*	4	4TH	40T&64L	ALLI-04
	HT-741	4	4TH	78L	ALLI-03
	HT-741 (OPTIONAL 8-BOLT OPENINGS)*	4	4TH	40T&64L	ALLI-04
	HT-745	4	4TH	78L	ALLI-03
	HT-745 (OPTIONAL 8-BOLT OPENINGS)*	4	4TH	40T&64L	ALLI-04
	HT-747	4	4TH	78L	ALLI-03
	HT-747 (OPTIONAL 8-BOLT OPENINGS)*..	4	4TH	40T&64L	ALLI-04
	HT-748	4	4TH	78L	ALLI-03
	HT-748 (OPTIONAL 8-BOLT OPENINGS)*..	4	4TH	40T&64L	ALLI-04
	HT-750CRD	5	5TH	78L	ALLI-03
	HT-750CRD (OPTIONAL 8-BOLT OPENINGS)*	5	5TH	40T&64L	ALLI-04
	HT-750DR	5	5TH	78L	ALLI-03
	HT-750DR (OPTIONAL 8-BOLT OPENINGS)*	5	5TH	40T&64L	ALLI-04

Note:

* These transmissions have PTO openings in front of the torque converter and are directly engine driven. Clutch shift type PTOs only are recommended unless non-shiftable (constant mesh) PTOs can be utilized.

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
ALLISON (Continued)					
	HT-750DRD	4	4TH	78L	ALLI-03
	HT-750DRD (OPTIONAL 8-BOLT OPENINGS)*	4	4TH	40T&64L	ALLI-04
	HT-754CR	5	5TH	78L	ALLI-03
	HT-754CR (OPTIONAL 8-BOLT OPENINGS)*	5	TH	40T&64L	ALLI-04
	HT-754CRD	5	5TH	78L	ALLI-03
	HT-754CRD (OPTIONAL 8-BOLT OPENINGS)*	5	5TH	40T&64L	ALLI-04
	HT-755CR	5	5TH	78L	ALLI-03
	HT-755CR (OPTIONAL 8-BOLT OPENI. NGS)*	5	5TH	40T&64L	ALLI-04
	HT-755DR	5	5TH	78L	ALLI-03
	HT-755DR (OPTIONAL 8-BOLT OPENINGS)*	5	5TH	40T&64L	ALLI-04
	M5600*	6	5TH	46R&36T	ALLI-08
	M5610*	6	5TH	46R&36T	ALLI-08
	M6600*, H6600*	6	5TH	46R&36T	ALLI-08
	M6610*, H6610*	6	5TH	46R&36T	ALLI-08
	M8610*, H8610*	6	5TH	52R&39T	ALLI-07
	M9600*, H9600*	6	5TH	52R&39T	ALLI-07
	M9610*, H9610*	6	5TH	52R&39T	ALLI-07
	M9800*	6	5TH	52R&39T	ALLI-07
	M9810*, H9810*	8	7TH	52R&39T	ALLI-07
	MD-3000	5	4TH	68R&68L	ALLI-05
	MD-3050P*	5	4TH	68R&68L	ALLI-05
	MD-3060P W/ TOP OPENING	6	4TH	83T&83L	ALLI-10
	MD-3060P*	6	4TH	68R&68L	ALLI-05
	MD-3066P W/ TOP OPENING	6	4TH	83T&83L	ALLI-10
	MD-3066P*	6	4TH	68R&68L	ALLI-05
	MD-3070PT*	7	N.A.	68L	ALLI-05
	MD-3070PT*	7	N.A.	68L	ALLI-11
	MD-3550P*	5	4TH	68R&68L	ALLI-05
	MD-3560P W/ TOP OPENING	6	4TH	83T&83L	ALLI-10
	MD-3560P*	6	4TH	68R&68L	ALLI-05
	MD-3566P*	6	4TH	68R&68L	ALLI-05
	MT-640	4	4TH	64R	ALLI-02
	MT-643	4	4TH	64R	ALLI-02
	MT-644	4	4TH	64R	ALLI-02
	MT-644CR	4	4TH	64R	ALLI-02
	MT-647	4	4TH	64R	ALLI-02
	MT-648	4	4TH	64R	ALLI-02
	MT-650	5	5TH	64R	ALLI-02
	MT-653	4	4TH	64R	ALLI-02
	MT-653DR	5	5TH	64R	ALLI-02
	MT-654CR	5	5TH	64R	ALLI-02
	S5600*	6	5TH	46R&36T	ALLI-08
	S6600*, SS620	6	5TH	46R&36T	ALLI-08
	S8610*	8	7TH	52R&39T	ALLI-07
	S9600*	8	7TH	52R&39T	ALLI-07
	S9610*	8	7TH	52R&39T	ALLI-07
	S9800*, H9800*	8	7TH	52R&39T	ALLI-07
	S9805*	8	7TH	52R&39T	ALLI-07
	S9806*	8	7TH	52R&39T	ALLI-07
	S9810*, S9820*	8	7TH	52R&39T	ALLI-07
	TC-10-TS	10	10TH	REAR	ALLI-12
	9810OFS*	8	7TH	52R&39T	ALLI-07
	9823OFS*	8	7TH	52R&39T	ALLI-07
	9826OFS*	8	7TH	52R&39T	ALLI-07
CATERPILLAR					
	TH48FT-E80	6	4TH	57R&57L	CATT-04
	TH55FT-E70	6	4TH	75R	CATT-05
	TH55FT-E90	6	4TH	75R	CATT-05

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
CHELSEA					
	4700A			39R&39L	CHEL-01
	4700H			39R&39L	CHEL-01
	4900			39R&39L	CHEL-01
	910AK			39R&39L	CHEL-01
	911AK			39R&39L	CHEL-01
	912AH			39R&39L	CHEL-02
	941			23R&23L	CHEL-03
CHEVY/GMC					
	CH-465				CHEV-01
	M69 - FULLER FSO-8406A	6	5TH	48R&48L	FULL-49
	M74 - ALLISON 1000 3500 Cab Chassis	5	4TH	64R&64L	ALLI-09
	M74 - ALLISON 1000 C4500-C5500 Chs	5	4TH	64R&64L	ALLI-09
	MBV - ALLISON 1000 RDS	5	4TH	64R&64L	ALLI-09
	MBW - ALLISON 1000 EVS	5	4TH	64R&64L	ALLI-09
	MBZ - ALLISON 2200 RDS	5	4TH	64R&64L	ALLI-09
	MHD - ALLISON 2350 EVS	5	4TH	64R&64L	ALLI-09
	MHE - ALLISON 2350 RDS	5	4TH	64R&64L	ALLI-09
	MK8 - TTC/SPICER ES56-7B	7	7TH	34R&34L	SPCR-56
	MK9 - TTC/SPICER ESO66-7B	7	6TH	34R&34L	SPCR-29
	MKO - FULLER FS-6305A	5	5TH	39R&39L	FULL-11
	MLO - FULLER FS-6305B	5	5TH	41R&41L	FULL-12
	MM7 - FULLER FS-5406A	6	6TH	38R&38L	FULL-09
	MM8 - FULLER FS-6406A	6	6TH	38R&38L	FULL-09
	MPQ - ALLISON 2550 RDS	5	4TH	64R&64L	ALLI-09
	MPR - ALLISON 2550 EVS	5	4TH	64R&64L	ALLI-09
	MPS - ALLISON 2500 RDS	5	4TH	64R&64L	ALLI-09
	MPU - FULLER FS-5205A	5	5TH	33R&19L	FULL-07
	MS9 - FULLER RT-8709B	9	9TH	45R&47B	FULL-25
	MSC - FULLER FS-4205B	5	5TH	28R&28L	FULL-06
	MSG - FULLER FS-4205A	5	5TH	28R&28L	FULL-05
	MT3 - FULLER RT-8709B	10	8TH	45R&47B	FULL-25
	MTX - ALLISON 2200 RDS	5	4TH	64R&64L	ALLI-09
	MTY - ALLISON 2300 RDS	5	4TH	64R&64L	ALLI-09
	MUT - FULLER RT-6609A	9	9TH	33R&33B	FULL-15
	MW7 - ALLISON 1000 3500 Cab Chassis 2007-2012	6	4TH	64R&64L	ALLI-09
	MWT - ALLISON 3000 RDS	5	4TH	68R&68L	ALLI-05
	MWU - ALLISON 3000 RDS	5	4TH	68R&68L	ALLI-05
	MWY - ALLISON 3000 RDS	5	4TH	68R&68L	ALLI-05
	MWZ - ALLISON 3500 RDS	5	4TH	68R&68L	ALLI-05
	MY6 - ALLISON 2200 EVS	5	4TH	64R&64L	ALLI-09
	S6-650				CHEV-03
	SM-420	4	4TH	33L	N2
	SM-465 (GMC)				CHEV-01
	TDET-1361	5	4TH	33L	TREM-02
DETROIT DIESEL					
	DT-12-DC	12	12TH	REAR	DETR-05
	DT-12-DHE	12	12TH	REAR	DETR-05
	DT12-DV	12	12TH	REAR	DETR-05
	DT-12-OC	12	11TH	REAR&39B	DETR-03
	DT-12-OD	12	11TH	REAR&40B	DETR-04
	DT-12-OHE	12	11TH	REAR&39B	DETR-03
	DT12-OV	12	11TH	REAR&39B	DETR-03
	DT12-OVX	12	11TH	REAR&40B	DETR-04
	DT-12-****-DH1	12	12TH	REAR	DETR-02
	DT-12-****-DH8	12	12TH	REAR	DETR-01
	DT-12-****-OH1	12	11TH	REAR	DETR-02
	DT-12-****-OH8	12	11TH	REAR	DETR-01

Notes:

N2 – Not Current Production Transmission – No Muncie PTO.

* These transmissions have PTO openings in front of the torque converter and are directly engine driven. Clutch shift type PTOs only are recommended unless non-shiftable (constant mesh) PTOs can be utilized.

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

DODGE RAM TRUCK

A45X2	6	5TH	69R	AISN-02
AS68RC	6	5TH	69R	AISN-02
AS69RC	6	5TH	69R	AISN-04

CLARK**

**Suffixes omitted, eg. 282V20. These only denote options for basic transmissions and do not affect the PTO.

Certain older model Clark transmissions are being manufactured outside the U.S.A. Contact the Muncie Sales Department for application assistance when encountering model numbers not listed here.

280V	5	5TH	40R&20L	CLAR-01
280VO	5	4TH	46R&20L	CLAR-02
282V	5	5TH	42R&20L	CLAR-03
282VHD (AFTER 11/1/68 WITH CASE 230790)	5	5TH	42R&20L	CLAR-03
285V	5	5TH	39R&20L	CLAR-04
285VHD	5	5TH	39R&20L	CLAR-04
390V	5	5TH	33R&19L	FULL-07
397V	5	5TH	30R&19L	FULL-08
CL-450 (CLARK)	5	5TH	25R&25L	FULL-02
CL-455 (CLARK)	5	5TH	25R&25L	FULL-03
CL-457 (CLARK)	5	5TH	29R&29L	FULL-04
CL-551	5	5TH	33R&19L	FULL-07
CL-557	5	5TH	30R&19L	FULL-08
CL-558	5	5TH	33R&19L	FULL-07
CL-559A (TREMEC)	5	5TH	33R&19L	FULL-07
CL-559B (TREMEC)	5	5TH	33R&19L	FULL-07
CL-559C (TREMEC)	5	5TH	30R&19L	FULL-08

DINA

CV31 (SPICER 3153A)	5	5TH	22R&25L	N3
CV32 (SPICER 3853)	5	4TH	22R&25L	N3
CV33 (SPICER 3152)	4	4TH	42R&25L	N3
CV34 (SPICER 3152A)	5	5TH	42R&25L	N3
CV35 (SPICER 3152E)	5	5TH	22R&25L	N3
CV37F (SPICER 3556A)	5	5TH	21R&26L	N3
CV64A (SPICER 6852G)	5	5TH	23R&25L	N3
CV65 (SPICER 6852G)	5	5TH	23R&25L	N3
CV65B (SPICER 6852Q)	5	5TH	23R&25L	N3
CV65E (SPICER 6852Q)	5	5TH	23R&25L	N3
CV66 (SPICER 6853G)	5	5TH	23R&25L	N3
CV66A (SPICER 6853G)	5	5TH	23R&25L	N3
CV67 (SPICER 6853C)	5	5TH	23R&25L	N3
CV67F (SPICER ES65-5D)	5	5TH	42R&42L	SPCR-27

EATON/FULLER

There are many older model Fuller transmissions not listed for which Muncie can provide PTOs. Contact the Muncie Sales Department for assistance with these models. These models include the 5-speed models currently out of production. (Ex. 5CW, 5AW Series, etc.)

F = If used, F denotes forward position of gear shift lever (RTF-11609A). Does not affect PTO application.

Older models - AC = AutoClutch does not affect PTO application.

Road Ranger Model Codes:

O = Used in letter designation indicates overdrive. All overdrives now have direct shift pattern previously given (X) designation. The (X) replaces the overdrive designator (O) in the model number. (RTXF-11609A is same application as RTO-11609A.)

L = Following numbers, used for construction models to denote a low gear in addition to designated speeds (RTO-11919MLL 9+2 low-low gears, total 11 speeds forward.)

F = Designates front shifter and does not affect the PTO application.

2A-92 (AUXILIARY)				N1
3905A	5	5TH	36R	EATN-04
3905B	5	5TH	36R	EATN-04
3905C	5	5TH	36R	EATN-04
4106-A (FRONT OPENING)	6	6TH	45R	EATN-03
4106-B (FRONT OPENING ONLY)	6	6TH	43R	EATN-01
6109-A	9	9TH	23L	EATN-02
AT-1202 (AUXILIARY)	2	1ST	30T&30B	FULL-01
EDCO-6F107-A(P)	7	7TH	47R&23L	FULL-57
EEO-14F112C	12	11TH	42B	FULL-58
EEO-15F112C	12	11TH	42B	FULL-58
EEO-16F112C	12	11TH	42B	FULL-58
EEO-17F112C	12	11TH	42B	FULL-58
EEO-18F112C	12	11TH	42B	FULL-58
EH-8E306A-CD (HYBRID)	6	5TH	48R&48L	FULL-49
EH-8E306A-U (HYBRID)	6	5TH	48R&48L	FULL-49
EH-8E306A-UP (HYBRID)	6	5TH	48R&48L	FULL-49
EHD-14F112C-N	18	11TH	42B	FULL-58
EXD-16F118D	18	16TH	46B	FULL-59
EXD-18F118D	18	16TH	46B	FULL-59
EXDP-16F118D	18	16TH	46B	FULL-59
EXDP-18F118D	18	16TH	46B	FULL-59
EXDP-20F118D	18	16TH	46B	FULL-59
F-5405B-DM3, F-5505B-DM3	5	5TH	48R	FULL-49
F-6405B-DM3, F-6505B-DM3	5	5TH	48R&48L	FULL-49
F-6406N-ASW	6	6TH	39R&39L	FULL-52
F-8405B-DM3	5	5TH	48R&48L	FULL-49
F-8406N-ASW	6	6TH	39R&39L	FULL-52
F-8406N-AW3	5	5TH	39R&39L	FULL-52
F-14E316B-LSE	16	15TH	45R&47B	FULL-54
F-15E316B-LSE	16	15TH	45R&47B	FULL-54
F-17E316B-LSE	16	15TH	45R&47B	FULL-54
FAM-14810B				FULL-55
FM-14D310B-LST	10	9TH	45R&47B	FULL-53
FM-15D310B-LST	10	9TH	45R&47B	FULL-53
FM-14E310B-LAS	10	10th	45R&47B	FULL-55
FM-15E310B-LAS	10	10th	45R&47B	FULL-55
FM-15E316B-LSE	16	16TH	45R&47B	FULL-54

Notes:

N1 – No PTOs Available.

N3 – PTO Application Available From M-Power or Muncie Website.

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

EATON/FULLER (Continued)

Medium Duty - Automated Nomenclature

F O – 6 4 06 1 – DM3

- Fuller
- Overdrive Model
- Nominal Torque Capacity (lb.ft.) = # × 100 + 120 for manual transmission: (lb.ft.) = # × 100 + 60
- Design Level
- Forward Speeds
- Gear Ratio Set
- DM3- HV (Highway Value)

Medium Duty - Manual Nomenclature

F S B O - 8 4 06 A/B

- Fuller
- Synchronized
- Bus
- Overdrive Model
- × 100 = Nominal Torque Capacity
- Design Level
- Forward Speeds
- Gear Ratio Set

Heavy Duty - Automated Nomenclature

(reference item RRSL0002 for further nomenclature explanations)

Prefix / Model / Suffix

FOM - 14 E 3 10 C - LAS

- **FO** = Fuller© Overdrive
- **FM** = Fuller© Multi-tongue
- **FOM** = Fuller© Overdrive Multi-tongue
- **Nominal Torque Capacity** (lb.ft.) = # × 100 + 50
- **Configuration** = Launch Device
  - E = UltraShift *PLUS* with ECA Electric Clutch Actuator
- **Design Level**
- **Forward Speeds**
- **Application & Value**
  - LAS = Linehaul Active Shifting
  - MXP = Multipurpose Extreme Performance
  - MHP = Multipurpose High Performance
  - VAS = Vocational Active Shifting
  - VCS = Vocational Construction Series
  - VHP = Vocational High Performance
  - VMS = Vocational Multi-Purpose Series
  - VXP = Vocational Extreme Performance
- **Gear Ratio Set**
  - LL = Two Additional Low Gears
  - ALL = Deep Reduction Low Gears

Heavy Duty - Manual Nomenclature

R T X L O C F - 16 0 09 A/B/C/H L/LL - T2

- Roadranger
- Twin Countershaft
- X Type Shift Bar Housing
- Low-Inertia Design
- Overdrive Model
- Covertible Model
- Lever Position - Forward
- × 100 = Nominal Torque Capacity
- Design Level
- Forward Speeds
- Gear Ratio Set
- One or Two Deep Ratio Low Gears
- Top 2 Gears Automated

FO-5406B-DM3, FO-5506B-DM3	6	5TH	48R	FULL-49
FO-6406A-ASW	6	5TH	48R	FULL-49
FO-6406A-ASX	6	5TH	48R	FULL-49
FO-6406A-AW3	6	5TH	48R&48L	FULL-49
FO-6406B-DM3, FO-6506B-DM3	6	5TH	48R&48L	FULL-49
FO-8406A-ASW	6	5TH	48R	FULL-49
FO-8406A-ASX	6	5TH	48R	FULL-49
FO-8406A-AW3	6	5TH	48R&48L	FULL-49
FO-8406B-DM3	6	5TH	48R&48L	FULL-49
FO-10E309ALL-VMS	11	10th	45R&47B	FULL-54
FO-10E310C-VAS	10	9th	45R&47B	FULL-54
FO-11E308LL-VCS	10	9th	45R&47B	FULL-53
FO-10E308LL-VCS	10	9th	45R&47B	FULL-53
FO-11E309ALL-VMS	11	10th	45R&47B	FULL-54
FO-12E308LL-VCS	10	9th	45R&47B	FULL-53
FO-12E309ALL-VMS	11	10th	45R&47B	FULL-54
FO-12E310C-VAS	10	9th	45R&47B	FULL-54
FO-14E308LL-VCS	10	9th	45R&47B	FULL-53
FO-14E309ALL-VMS	11	10th	45R&47B	FULL-54
FO-14E310C-LAS	10	9th	45R&47B	FULL-54
FO-14E310C-VAS	10	9th	45R&47B	FULL-54
FO-14E313A-MHP	13	11th	45R&47B	FULL-54
FO-14E318B-MXP	18	16th	45R&47B	FULL-54

EATON/FULLER (Continued)

FO-14E318B-VXP	18	16th	45R&47B	FULL-54
FO-16D313E-LEP	13	11TH	45R&47B	FULL-54
FO-16E308LL-VCS	10	9th	45R&47B	FULL-53
FO-16E309ALL-VMS	11	10th	45R&47B	FULL-54
FO-16E310C-LAS	10	9th	45R&47B	FULL-54
FO-16E310C-VAS	10	9th	45R&47B	FULL-54
FO-16E313A-MHP	13	11th	45R&47B	FULL-54
FO-16E313A-VHP	13	11th	45R&47B	FULL-54
FO-16E318B-MXP	18	16th	45R&47B	FULL-54
FO-16E318B-VXP	18	16th	45R&47B	FULL-54
FO-17E308LL-VCS	10	9th	45R&47B	FULL-53
FO-17E309ALL-VMS	11	10th	45R&47B	FULL-54
FO-18E313A-MHP	13	11th	45R&47B	FULL-54
FO-18E313A-VHP	13	11th	45R&47B	FULL-54
FO-18E318B-MXP	18	16th	45R&47B	FULL-54
FO-18E318B-VXP	18	16th	45R&47B	FULL-54
FO-20E313A-MHP	13	11th	45R&47B	FULL-54
FO-20E313A-VHP	13	11th	45R&47B	FULL-54
FO-20E318B-MXP	18	16th	45R&47B	FULL-54
FO-20E318B-VXP	18	16th	45R&47B	FULL-54
FO-22E318B-MXP	18	16th	45R&47B	FULL-54
FO-22E318B-VXP	18	16th	45R&47B	FULL-54
FOM-14E310C-LAS	10	9th	45R&47B	FULL-54
FOM-14E310C-VAS	10	9th	45R&47B	FULL-54
FOM-15E310C-LAS	10	9th	45R&47B	FULL-54
FOM-15E310C-VAS	10	9th	45R&47B	FULL-54
FOM-16E310C-LAS	10	9th	45R&47B	FULL-54
FOM-16E310C-VAS	10	9th	45R&47B	FULL-54
FO-5406B-DM3	6	5TH	48R	FULL-49
FO-6406A-ASW	6	5TH	48R	FULL-49
FO-6406A-ASX	6	5TH	48R	FULL-49
FO-6406A-AW3	6	5TH	48R&48L	FULL-49
FO-6406B-DM3	6	5TH	48R&48L	FULL-49
FO-8406A-ASW	6	5TH	48R	FULL-49
FO-8406A-ASX	6	5TH	48R	FULL-49
FO-8406A-AW3	6	5TH	48R&48L	FULL-49
FO-8406B-DM3	6	5TH	48R&48L	FULL-49
FOM-16D313E-LEP	13	11TH	45R&47B	FULL-54
FR-9210A	`0	___	45R&47B	FULL-38
FR(M)-11210B	10	9TH	45R&47B	FULL-40
FR(M)-12210B	10	9TH	45R&47B	FULL-40
FR(M)-13210B	10	9TH	45R&47B	FULL-40
FR(M)-14210B	10	9TH	45R&47B	FULL-40
FR(M)-15210B	10	10TH	45R&47B	FULL-40
FR-9210B	10	9TH	45R&47B	FULL-40
FRLO-14410C-T2	10	9TH	51R&51L	FULL-50
FRLO-15410C-T2	10	9TH	51R&51L	FULL-50
FRLO-16410C-T2	10	9TH	51R&51L	FULL-50
FRLO-18410C-T2	10	9TH	51R&51L	FULL-50
FRLO-14410C-T2	10	9TH	Rear	FULL-51
FRLO-15410C-T2	10	9TH	Rear	FULL-51
FRLO-16410C-T2	10	9TH	Rear	FULL-51
FRLO-18410C-T2	10	9TH	Rear	FULL-51
FRO-11210B	10	9TH	45R&47B	FULL-39
FRO-11210C	10	9TH	45R&47B	FULL-38
FRO-12210B	10	9TH	45R&47B	FULL-39
FRO-12210C	10	9TH	45R&47B	FULL-38
FRO-13210B	10	9TH	45R&47B	FULL-39
FRO-13210C	10	9TH	45R&47B	FULL-38
FRO-14210B	10	9TH	45R&47B	FULL-39
FRO-14210C	10	9TH	45R&47B	FULL-38
FRO-15210B	10	9TH	45R&47B	FULL-39
FRO-15210C	10	9TH	45R&47B	FULL-38
FRO-16210B	10	9TH	45R&47B	FULL-39
FRO-16210C	10	9TH	45R&47B	FULL-38
FRO-17210C	10	9TH	45R&47B	FULL-38

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

EATON/FULLER (Continued)

FRO-18210C	10	9TH	45R&47B	FULL-38
FRO-9210B	10	9TH	45R&47B	FULL-39
FS-3005A (1988 & BEFORE)	5	5TH	25R&25L	FULL-02
FS-3005A (1989 & AFTER)	5	5TH	28R&28L	FULL-05
FS-3005B (1988 & BEFORE)	5	5TH	25R&25L	FULL-03
FS-3005B (1989 & AFTER)	5	5TH	28R&28L	FULL-06
FS-3005C	5	5TH	29R&29L	FULL-04
FS-3205A	5	5TH	28R&28L	FULL-05
FS-3205B	5	5TH	28R&28L	FULL-06
FS-3205C	5	5TH	29R&29L	FULL-04
FS-4005A (BEFORE NOV. 1987)	5	5TH	25R&25L	FULL-02
FS-4005A (NOV. 1987 & AFTER)	5	5TH	28R&28L	FULL-05
FS-4005B (BEFORE NOV. 1987)	5	5TH	25R&25L	FULL-03
FS-4005B (NOV. 1987 & AFTER)	5	5TH	28R&28L	FULL-06
FS-4005C	5	5TH	29R&29L	FULL-04
FS-4106A (FRONT OPENING)	6	6TH	45R	EATN-03
FS-4106B (FRONT OPENING)	6	6TH	45R	EATN-01
FS-4205A	5	5TH	28R&28L	FULL-05
FS-4205B	5	5TH	28R&28L	FULL-06
FS-4205C	5	5TH	29R&29L	FULL-04
FS-5005A (TREMEC)	5	5TH	33R&19L	FULL-07
FS-5005B	5	5TH	33R&19L	FULL-07
FS-5005C	5	5TH	30R&19L	FULL-08
FS-5005D (TREMEC)	5	5TH	33R&19L	FULL-07
FS-5106A	6	6TH	38R&38L	FULL-09
FS-5205A	5	5TH	33R&19L	FULL-07
FS-5205B	5	5TH	33R&19L	FULL-07
FS-5205C	5	5TH	30R&19L	FULL-08
FS-5206A (FRONT OPENING)	6	6TH	45R	EATN-03
FS-5206B (FRONT OPENING ONLY)	6	6TH	43R	EATN-01
FS-5306A	6	6TH	38R&38L	FULL-09
FS-5306X	6	6TH	38R&38L	FULL-09
FS-5406A	6	6TH	38R&38L	FULL-09
FS-5406N	6	6TH	39R&39L	FULL-52
FS-5506	6	6TH	50R&50L	FULL-10
FS-6005A	5	5TH	39R&39L	FULL-11
FS-6005B	5	5TH	41R&41L	FULL-12
FS-6105A	5	5TH	39R&39L	FULL-11
FS-6105B	5	5TH	41R&41L	FULL-12
FS-6106A	6	6TH	50R&50L	FULL-10
FS-6109A	9	9TH	23L	EATN-02
FS-6205A	5	5TH	39R&39L	FULL-11
FS-6205B	5	5TH	41R&41L	FULL-12
FS-6206A	6	6TH	38R&38L	FULL-09
FS-6305A	5	5TH	39R&39L	FULL-11
FS-6305B	5	5TH	41R&41L	FULL-12
FS-6305N	5	5TH	39R&39L	N2
FS-6306A, FS-6306B	6	6TH	38R&38L	FULL-09
FS-6306X	6	6TH	38R&38L	FULL-09
FS-6309A	9	9TH	23L	EATN-02
FS-6406A, FS-6406B	6	6TH	38R&38L	FULL-09
FS-6406N	6	6TH	39R&39L	FULL-52
FS-7206A	6	6TH	50R&50L	FULL-10
FS-8206A	6	6TH	50R&50L	FULL-10
FS-8209A	9	9TH	23L	EATN-02
FS-8309A	9	9TH	23L	EATN-02
FSB-5305D	5	5TH	31R&19L	FULL-48
FSB-5406B	6	6TH	38R&38L	FULL-09
FSB-6406B	6	6TH	38R&38L	FULL-09
FSBO-6406B	6	5TH	48R&48L	FULL-49
FSBO-8406B	6	5TH	48R&48L	FULL-49
FSM-5005E	5	5TH	33R&33L	FULL-44
FSM-5005G	5	5TH	32R&32L	FULL-45
FSM-5005H	5	5TH	33R&33L	FULL-46
FSM-5005J	5	5TH	32R&32L	FULL-47
FSM-5305E	5	5TH	33R&33L	FULL-44

EATON/FULLER (Continued)

FSM-5305G	5	5TH	32R&32L	FULL-45
FSM-5305H	5	5TH	33R&33L	FULL-46
FSO-4305A	5	5TH	36R	EATN-04
FSO-4305B	5	5TH	36R	EATN-04
FSO-4305C	5	5TH	36R	EATN-04
FSO-4405A	5	5TH	36R	EATN-04
FSO-4405B	5	5TH	36R	EATN-04
FSO-4405C	5	5TH	36R	EATN-04
FSO-6109A	9	8TH	23L	EATN-02
FSO-6309A	9	8TH	23L	EATN-02
FSO-6406A	6	5TH	48R&48L	FULL-49
FSO-8209A	9	8TH	23L	EATN-02
FSO-8406A	6	5TH	48R&48L	FULL-49
FTS-16108LL	8	8TH	38R&58B	FULL-56
FTS-18109LL	8	8TH	38R&58B	FULL-56
RT-1110 (F)	10	10TH	45R&47B	FULL-25
RT-11109A-AT	9	9TH	45R&47B	FULL-34
RT-11109A-ATE (ENGINE DRIVEN OPENING)			66L	FULL-37
RT-11209H	9	9TH	45R&47B	FULL-40
RT-11210B	10	10TH	45R&47B	FULL-40
RT-11509	9	9TH	45R&47B	FULL-25
RT-11608	8	8TH	45R&47B	FULL-29
RT-11609A (F)	9	9TH	45R&47B	FULL-25
RT-11609H	9	9TH	45R&47B	FULL-25
RT-11610 (F)	10	10TH	45R&47B	FULL-25
RT-11613 (F)	13	13TH	45R&47B	FULL-25
RT-11615 (F)	15	15TH	45R&47B	FULL-25
RT-11709H	9	9TH	45R&47B	FULL-25
RT-11710B	10	10TH	45R&47B	FULL-25
RT-11715	15	15TH	45R&47B	FULL-25
RT-12109A-AT (ATE)	9	9TH	45R&47B	FULL-34
RT-12109A-AT (ATE)(ENGINE DRIVEN OPENING)			66L	FULL-37
RT-12209H	9	9TH	45R&47B	FULL-40
RT-12210B	10	10TH	45R&47B	FULL-40
RT-12509	9	9TH	45R&47B	FULL-25
RT-12510	10	10TH	45R&47B	FULL-25
RT-12513	13	13TH	45R&47B	FULL-25
RT-12515	15	15TH	45R&47B	FULL-25
RT-12609A	9	9TH	45R&47B	FULL-25
RT-12609H	9	9TH	45R&47B	FULL-25
RT-12610	10	10TH	45R&47B	FULL-25
RT-12709H	9	9TH	45R&47B	FULL-25
RT-12710B (AS2, AS3)	10	10TH	45R&47B	FULL-25
RT-13209H	9	9TH	45R&47B	FULL-40
RT-13210B	10	10TH	45R&47B	FULL-40
RT-13609A	9	9TH	45R&47B	FULL-25
RT-13609H	9	9TH	45R&47B	FULL-25
RT-13709H	9	9TH	45R&47B	FULL-25
RT-13710B	10	10TH	45R&47B	FULL-25
RT-14109A-AT (ATE)	9	9TH	45R&47B	FULL-34
RT-14109A-AT (ATE) (ENGINE DRIVEN OPENING)			66L	FULL-37
RT-14209H	9	9TH	45R&47B	FULL-40
RT-14210B	10	10TH	45R&47B	FULL-40
RT-14608	8	8TH	45R&47B	FULL-29
RT-14609A	9	9TH	45R&47B	FULL-25
RT-14609H	9	9TH	45R&47B	FULL-25
RT-14610	10	10TH	45R&47B	FULL-25
RT-14613	13	13TH	45R&47B	FULL-25
RT-14615	15	15TH	45R&47B	FULL-25
RT-14709H	9	9TH	45R&47B	FULL-25
RT-14710B (AS2)	10	10TH	45R&47B	FULL-25
RT-14715	15	15TH	45R&47B	FULL-25
RT-14915	15	15TH	45R&47B	FULL-25
RT-15613	13	13TH	45R&47B	FULL-25

Notes:

N2 – Not Current Production Transmission – No Muncie PTO.

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

EATON/FULLER (Continued)

RT-15615	15	15TH	45R&47B	FULL-25
RT-15715	15	15TH	45R&47B	FULL-25
RT-610	10	10TH	33R&33B	FULL-13
RT-613	13	13TH	33R&33B	FULL-13
RT-6609A	9	9TH	33R&33B	FULL-15
RT-6610	10	10TH	33R&33B	FULL-13
RT-6613	13	13TH	33R&33B	FULL-13
RT-7608LL	10	8TH	33R&33B	FULL-15
RT-7609	9	9TH	33R&33B	FULL-13
RT-8606L	7	6TH	45R&47B	FULL-29
RT-8608L	9	8TH	45R&47B	FULL-29
RT-8609	9	9TH	33R&33B	FULL-15
RT-8709B	9	9TH	45R&47B	FULL-25
RT-8908LL	10	8TH	45R&47B	FULL-25
RT-906	6	6TH	45R&47B	FULL-25
RT-909A	9	9TH	45R&47B	FULL-25
RT-910	10	10TH	45R&47B	FULL-25
RT-9109A-AT	9	9TH	45R&47B	FULL-34
RT-915	15	15TH	45R&47B	FULL-25
RT-9508	8	8TH	45R&47B	FULL-29
RT-9509A	9	9TH	45R&47B	FULL-25
RT-9513	13	13TH	45R&47B	FULL-25
RT-9710B	10	10TH	45R&47B	FULL-25
RTA-14710B-AS	10	10TH	45R&47B	FULL-25
RTAO-10710B (AC)(AS)	10	9TH	45R&47B	FULL-42
RTAO-10710C (AC)(AS)	10	9TH	45R&47B	FULL-43
RTAO-12710B (AC)(AS)	10	9TH	45R&47B	FULL-42
RTAO-12710C (AC)(AS)	10	9TH	45R&47B	FULL-43
RTAO-14710B (AC)(AS)	10	9TH	45R&47B	FULL-42
RTAO-14710C (AC)(AS)	10	9TH	45R&47B	FULL-43
RTAO-16710B (AC)(AS)	10	9TH	45R&47B	FULL-42
RTAO-16710C (AC)(AS)	10	9TH	45R&47B	FULL-43
RTL-11710B (T2)	10	10TH	45R&47B	FULL-41
RTL-12710B (T2)	10	10TH	45R&47B	FULL-41
RTL-13710B (T2)	10	10TH	45R&47B	FULL-41
RTL-14710B (T2)	10	10TH	45R&47B	FULL-41
RTLC-16609A	9	9TH	45R&47B	FULL-43
RTLC-16609E	9	8TH	45R&47B	FULL-43
RTLC-16613A	13	13TH	45R&47B	FULL-43
RTLC-16613E	13	13TH	45R&47B	FULL-43
RTLO-9118	10	9TH	45R&47B	FULL-34
RTLO-11610B (T2)	10	9TH	45R&47B	FULL-41
RTLO-12610B (T2)	10	9TH	45R&47B	FULL-41
RTLO-12613B	13	12TH	45R&47B	FULL-25
RTLO-12713A	13	12TH	45R&47B	FULL-30
RTLO-12913A	13	12TH	45R&47B	FULL-30
RTLO-13118-AMT	18	17TH	45R&47B	FULL-43
RTLO-13610B (AS)	10	9TH	45R&47B	FULL-25
RTLO-13610B (T2)	10	9TH	45R&47B	FULL-41
RTLO-14610A	10	9TH	45R&47B	FULL-25
RTLO-14610B (T2)	10	9TH	45R&47B	FULL-41
RTLO-14613A	13	12TH	45R&47B	FULL-25
RTLO-14613B	13	12TH	45R&47B	FULL-25
RTLO-14618A	18	17TH	45R&47B	FULL-25
RTLO-14713A (T2)	13	12TH	45R&47B	FULL-43
RTLO-14718B (T2)	18	17TH	45R&47B	FULL-43
RTLO-14913A (T2)	13	12TH	45R&47B	FULL-30
RTLO-14918A-AS2, AS3	18	17TH	45R&47B	FULL-43
RTLO-14918B (T2)(AS)	18	17TH	45R&47B	FULL-43
RTLO-15610B (T2)	10	9TH	45R&47B	FULL-41
RTLO-16610B (T2)	10	9TH	45R&47B	FULL-41
RTLO-16618A	18	17TH	45R&47B	FULL-25
RTLO-16713A (T2)	13	12TH	45R&47B	FULL-43
RTLO-16718B (T2)	18	17TH	45R&47B	FULL-43
RTLO-16913A (T2)	13	12TH	45R&47B	FULL-30
RTLO-16913L-DM3	13	11TH	45R&47B	FULL-54

EATON/FULLER (Continued)

RTLO-16918A-AS2, AS3	18	17TH	45R&47B	FULL-43
RTLO-16918B (T2)(AS)	18	17TH	45R&47B	FULL-43
RTLO-17610B (T2)	10	9TH	45R&47B	FULL-41
RTLO-18610B (T2)	10	9TH	45R&47B	FULL-41
RTLO-18718B	18	17TH	45R&47B	FULL-30
RTLO-18718B (T2)	18	17TH	45R&47B	FULL-43
RTLO-18913A (T2)	13	12TH	45R&47B	FULL-43
RTLO-18918A-AS2	18	17TH	45R&47B	FULL-43
RTLO-18918B (T2)(AS)	18	17TH	45R&47B	FULL-43
RTLO-20718B (T2)	18	17TH	45R&47B	FULL-43
RTLO-20913A	13	12TH	45R&47B	FULL-43
RTLO-20918A-AS2, AS3	18	17TH	45R&47B	FULL-43
RTLO-20918B (T2)(AS)	18	17TH	45R&47B	FULL-43
RTLO-22918B (AS)	18	17TH	45R&47B	FULL-43
RTLO-9118A-MT	18	17TH	45R&47B	FULL-41
RTLOC-16909A (T2)	9	8TH	45R&47B	FULL-30
RTLOFC-16909A (T2)	9	8TH	45R&47B	FULL-30
RTLOM-16913L-DM3	13	11TH	45R&47B	FULL-54
RTO-10710B (AS2, AS3)	10	9TH	45R&47B	FULL-26
RTO-10910B (AS2, AS3)	10	9TH	45R&47B	FULL-26
RTO-10910B-DM2	10	9TH	45R&47B	FULL-53
RTO-10910B-DM3	10	9TH	45R&47B	FULL-53
RTO-1110	10	9TH	45R&47B	FULL-27
RTO-11109A-AT (ATE)	9	8TH	45R&47B	FULL-35
RTO-11109A-AT (ATE) (ENGINE DRIVEN OPENING)			66L	FULL-37
RTO-11109B-AT (ATE)	9	8TH	45R&47B	FULL-36
RTO-11109B-AT (ATE) (ENGINE DRIVEN OPENING)			66L	FULL-37
RTO-11209B	9	8TH	45R&47B	FULL-39
RTO-11209H	9	8TH	45R&47B	FULL-39
RTO-11210B	10	9TH	45R&47B	FULL-39
RTO-11210C	10	9TH	45R&47B	FULL-38
RTO-11210R	10	9TH	45R&47B	FULL-38
RTO-11509	9	8TH	45R&47B	FULL-26
RTO-1157DL	8	7TH	45R&47B	FULL-21
RTO-1157DLL	9	7TH	45R&47B	FULL-21
RTO-11607L	8	7TH	45R&47B	FULL-22
RTO-11607LL	9	7TH	45R&47B	FULL-22
RTO-11608LL	10	8TH	45R&47B	FULL-26
RTO-11609A	9	8TH	45R&47B	FULL-26
RTO-11609B	9	8TH	45R&47B	FULL-30
RTO-11609H	9	8TH	45R&47B	FULL-30
RTO-11609P	9	8TH	45R&47B	FULL-31
RTO-11609R	9	8TH	45R&47B	FULL-31
RTO-11610	10	9TH	45R&47B	FULL-27
RTO-11613	13	12TH	45R&47B	FULL-25
RTO-11615	15	14TH	45R&47B	FULL-27
RTO-11707DLL	9	7TH	45R&47B	FULL-22
RTO-11707LL	9	7TH	45R&47B	FULL-22
RTO-11708LL	10	8TH	45R&47B	FULL-26
RTO-11709B	9	8TH	45R&47B	FULL-30
RTO-11709H	9	8TH	45R&47B	FULL-30
RTO-11709MLL	9	8TH	45R&47B	FULL-30
RTO-11710B	10	9TH	45R&47B	FULL-26
RTO-11710C	10	9TH	45R&47B	FULL-30
RTO-11715	15	14TH	45R&47B	FULL-27
RTO-11813	13	12TH	45R&47B	FULL-25
RTO-11908LL	10	8TH	45R&47B	FULL-26
RTO-11909ALL	11	7TH	45R&47B	FULL-30
RTO-11909MLL	11	7TH	45R&47B	FULL-30
RTO-12109A-AT (ATE)	9	8TH	45R&47B	FULL-35
RTO-12109A-AT (ATE) (ENGINE DRIVEN OPENING)			66L	FULL-37
RTO-12109B-AT (ATE)	9	8TH	45R&47B	FULL-36
RTO-12109B-AT (ATE) (ENGINE DRIVEN OPENING)			66L	FULL-37
RTO-1213	13	8TH	45R&47B	FULL-25
RTO-12209B	9	8TH	45R&47B	FULL-39
RTO-12209H	9	8TH	45R&47B	FULL-39

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

EATON/FULLER (Continued)

RTO-12210B	10	9TH	45R&47B	FULL-39
RTO-12210C	10	9TH	45R&47B	FULL-38
RTO-12210R	10	9TH	45R&47B	FULL-38
RTO-12509	9	8TH	45R&47B	FULL-26
RTO-12510	10	9TH	45R&47B	FULL-27
RTO-12513	13	12TH	45R&47B	FULL-25
RTO-12515	15	14TH	45R&47B	FULL-27
RTO-1258LL	10	8TH	45R&47B	FULL-26
RTO-12609A	9	8TH	45R&47B	FULL-26
RTO-12609B	9	8TH	45R&47B	FULL-30
RTO-12609H	9	8TH	45R&47B	FULL-30
RTO-12609P	9	8TH	45R&47B	FULL-31
RTO-12609R	9	8TH	45R&47B	FULL-31
RTO-12610	10	9TH	45R&47B	FULL-27
RTO-12709H	9	8TH	45R&47B	FULL-30
RTO-12710B (AS2,AS3)	10	9TH	45R&47B	FULL-26
RTO-12710C	10	9TH	45R&47B	FULL-30
RTO-12910B (AS2, AS3)	10	9TH	45R&47B	FULL-26
RTO-12910B-DM2	10	9TH	45R&47B	FULL-53
RTO-12910B-DM3	10	9TH	45R&47B	FULL-53
RTO-13109A-AT (ATE)	9	8TH	45R&47B	FULL-35
RTO-13109A-AT (ATE) (ENGINE DRIVEN OPENING)			66L	FULL-37
RTO-13109B-AT (ATE)	9	8TH	45R&47B	FULL-36
RTO-13109B-AT (ATE) (ENGINE DRIVEN OPENING)			66L	FULL-37
RTO-13209B	9	8TH	45R&47B	FULL-39
RTO-13209H	9	8TH	45R&47B	FULL-39
RTO-13210B	10	9TH	45R&47B	FULL-39
RTO-13210C	10	9TH	45R&47B	FULL-38
RTO-13210R	10	9TH	45R&47B	FULL-38
RTO-13609A	9	8TH	45R&47B	FULL-26
RTO-13609B	9	8TH	45R&47B	FULL-30
RTO-13609H	9	8TH	45R&47B	FULL-30
RTO-13609P	9	8TH	45R&47B	FULL-31
RTO-13609R	9	8TH	45R&47B	FULL-31
RTO-13707DLL	9	7TH	45R&47B	FULL-22
RTO-13707MLL	9	7TH	45R&47B	FULL-22
RTO-13709H	9	8TH	45R&47B	FULL-30
RTO-13710B	10	9TH	45R&47B	FULL-26
RTO-13710C	10	9TH	45R&47B	FULL-30
RTO-14109A-AT (ATE)	9	8TH	45R&47B	FULL-35
RTO-14109A-AT (ATE)(ENGINE DRIVEN OPENING)			66L	FULL-37
RTO-14109B-AT (ATE)	9	8TH	45R&47B	FULL-36
RTO-14109B-AT (ATE)(ENGINE DRIVEN OPENING)			66L	FULL-37
RTO-14209B	9	8TH	45R&47B	FULL-39
RTO-14209H	9	8TH	45R&47B	FULL-39
RTO-14210B	10	9TH	45R&47B	FULL-39
RTO-14210C	10	9TH	45R&47B	FULL-38
RTO-14210R	10	9TH	45R&47B	FULL-38
RTO-14608LL	10	8TH	45R&47B	FULL-26
RTO-14609A	9	8TH	45R&47B	FULL-26
RTO-14609B	9	8TH	45R&47B	FULL-30
RTO-14609H	9	8TH	45R&47B	FULL-30
RTO-14609P	9	8TH	45R&47B	FULL-31
RTO-14609R	9	8TH	45R&47B	FULL-31
RTO-14610	10	9TH	45R&47B	FULL-27
RTO-14610C	10	9TH	45R&47B	FULL-30
RTO-14613	13	12TH	45R&47B	FULL-25
RTO-14615	15	14TH	45R&47B	FULL-27
RTO-14708LL	10	8TH	45R&47B	FULL-26
RTO-14709A	9	8TH	45R&47B	FULL-26
RTO-14709H	9	8TH	45R&47B	FULL-30
RTO-14709MLL	10	9TH	45R&47B	FULL-30
RTO-14710B (AS2, AS3)	10	9TH	45R&47B	FULL-26
RTO-14710C (AS2, AS3)	10	9TH	45R&47B	FULL-30
RTO-14713	13	12TH	45R&47B	FULL-25
RTO-14715	15	14TH	45R&47B	FULL-27

EATON/FULLER (Continued)

RTO-14813	13	12TH	45R&47B	FULL-25
RTO-14908LL	10	8TH	45R&47B	FULL-26
RTO-14909ALL	11	7TH	45R&47B	FULL-30
RTO-14909MLL	11	7TH	45R&47B	FULL-30
RTO-14910B (AS2, AS3)	10	9TH	45R&47B	FULL-26
RTO-14910B-DM2	10	9TH	45R&47B	FULL-53
RTO-14910B-DM3	10	9TH	45R&47B	FULL-53
RTO-14910C (AS2, AS3)	10	9TH	45R&47B	FULL-30
RTO-14915	15	14TH	45R&47B	FULL-27
RTO-15210B	10	9TH	45R&47B	FULL-39
RTO-15210C	10	9TH	45R&47B	FULL-38
RTO-15613	13	12TH	45R&47B	FULL-25
RTO-15615	15	14TH	45R&47B	FULL-27
RTO-15618	18	17TH	45R&47B	FULL-25
RTO-15708LL	10	8TH	45R&47B	FULL-26
RTO-15710B	10	9TH	45R&47B	FULL-26
RTO-15710C	10	9TH	45R&47B	FULL-30
RTO-15715	15	14TH	45R&47B	FULL-27
RTO-15813	13	12TH	45R&47B	FULL-25
RTO-16109A-ATE	9	8TH	45R&47B	FULL-35
RTO-16109A-ATE (ENGINE OPENING)			66L	FULL-37
RTO-16109B-AT (ATE)	9	8TH	45R&47B	FULL-36
RTO-16109B-AT (ATE) (ENGINE OPENING)			66L	FULL-37
RTO-16210B	10	9TH	45R&47B	FULL-39
RTO-16210C	10	9TH	45R&47B	FULL-38
RTO-16709B	9	8TH	45R&47B	FULL-30
RTO-16709H	9	8TH	45R&47B	FULL-30
RTO-16710B (AS2,AS3)	10	9TH	45R&47B	FULL-26
RTO-16710C (AS2, AS3)	10	9TH	45R&47B	FULL-30
RTO-16715	15	14TH	45R&47B	FULL-27
RTO-16908LL	10	8TH	45R&47B	FULL-26
RTO-16909ALL	11	7TH	45R&47B	FULL-30
RTO-16910B (AS2, AS3)	10	9TH	45R&47B	FULL-26
RTO-16910B-DM2	10	9TH	45R&47B	FULL-53
RTO-16910B-DM3	10	9TH	45R&47B	FULL-53
RTO-16910C (AS2, AS3)	10	9TH	45R&47B	FULL-30
RTO-16915	15	14TH	45R&47B	FULL-27
RTO-18910B (AS2, AS3)	10	9TH	45R&47B	FULL-26
RTO-610	10	9TH	33R&33B	FULL-14
RTO-613	13	12TH	33R&33B	FULL-14
RTO-6610	10	9TH	33R&33B	FULL-14
RTO-6613	13	12TH	33R&33B	FULL-14
RTO-909A	9	8TH	45R&47B	FULL-26
RTO-910	10	9TH	45R&47B	FULL-24
RTO-9109A-AT	9	8TH	45R&47B	FULL-35
RTO-9109B-AT	9	8TH	45R&47B	FULL-36
RTO-913	13	12TH	45R&47B	FULL-25
RTO-915	15	14TH	45R&47B	FULL-24
RTO-9509A	9	8TH	45R&47B	FULL-26
RTO-9509B	9	8TH	45R&47B	FULL-30
RTO-9513	13	12TH	45R&47B	FULL-25
RTO-958LL	10	8TH	45R&47B	FULL-26
RTOC-16709A	9	8TH	45R&47B	FULL-43
RTOC-16909A	9	8TH	45R&47B	FULL-43
RTOC-16913A	13	12TH	45R&47B	FULL-43
RTOC-18909A	9	8TH	45R&47B	FULL-43
RTOM-16910B-DM3	10	9TH	45R&47B	FULL-53
RTOO-11613	13	10TH	45R&47B	FULL-30
RTOO-14613	13	10TH	45R&47B	FULL-30
RTOO-9513	13	10TH	45R&47B	FULL-30
RTX-11609A	9	8TH	45R&47B	FULL-26
RTX-11609B	9	8TH	45R&47B	FULL-30
RTX-11609P	9	8TH	45R&47B	FULL-31
RTX-11609R	9	8TH	45R&47B	FULL-31
RTX-11708LL	10	8TH	45R&47B	FULL-26
RTX-11709H	9	8TH	45R&47B	FULL-30

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
EATON/FULLER (Continued)					
RTX-11710B		10	9TH	45R&47B	FULL-26
RTX-11710C		10	9TH	45R&47B	FULL-30
RTX-12609B		9	8TH	45R&47B	FULL-30
RTX-12609P		9	8TH	45R&47B	FULL-31
RTX-12609R		9	8TH	45R&47B	FULL-31
RTX-12709H		9	8TH	45R&47B	FULL-30
RTX-12710B		10	9TH	45R&47B	FULL-26
RTX-12710C		10	9TH	45R&47B	FULL-30
RTX-13609B		9	8TH	45R&47B	FULL-30
RTX-13609P		9	8TH	45R&47B	FULL-31
RTX-13609R		9	8TH	45R&47B	FULL-31
RTX-13709H		9	8TH	45R&47B	FULL-30
RTX-13710B		10	9TH	45R&47B	FULL-26
RTX-13710C		10	9TH	45R&47B	FULL-30
RTX-14609A		9	8TH	45R&47B	FULL-26
RTX-14609B		9	8TH	45R&47B	FULL-30
RTX-14609P		9	8TH	45R&47B	FULL-31
RTX-14609R		9	8TH	45R&47B	FULL-31
RTX-14708LL		10	8TH	45R&47B	FULL-26
RTX-14709H		9	8TH	45R&47B	FULL-30
RTX-14710B		10	9TH	45R&47B	FULL-26
RTX-14710C		10	9TH	45R&47B	FULL-30
RTX-14715		15	14TH	45R&47B	FULL-27
RTX-15710B		10	9TH	45R&47B	FULL-26
RTX-15710C		10	9TH	45R&47B	FULL-30
RTX-15715		15	14TH	45R&47B	FULL-27
RTX-16709B		9	8TH	45R&47B	FULL-30
RTX-16709H		9	8TH	45R&47B	FULL-30
RTX-16710B		10	9TH	45R&47B	FULL-26
RTX-16710C		10	9TH	45R&47B	FULL-30
T-11605A		5	5TH	45R&47B	FULL-16
T-11605B		5	5TH	45R&47B	FULL-16
T-11605C		5	5TH	45R&47B	FULL-19
T-11605D		5	5TH	45R&47B	FULL-17
T-11605F		5	5TH	45R&47B	FULL-20
T-11605M		5	5TH	45R&47B	FULL-17
T-11606		6	6TH	78R&78B	FULL-28
T-11607A		7	7TH	78R&78B	FULL-28
T-11607B		7	7TH	78R&78B	FULL-28
T-11607B (ASX)		7	7TH	78R&78B	FULL-32
T-14607A		7	7TH	78R&78B	FULL-28
T-14607B (ASX)		7	7TH	78R&78B	FULL-32
T-8607A		7	7TH	78R&78B	FULL-28
T-8607B		7	7TH	78R&78B	FULL-28
T-905A		5	5TH	45R&47B	FULL-16
T-905B		5	5TH	45R&47B	FULL-16
T-905C		5	5TH	45R&47B	FULL-19
T-905D		5	5TH	45R&47B	FULL-17
T-905F		5	5TH	45R&47B	FULL-20
T-905H		5	5TH	45R&47B	FULL-16
T-905J		5	5TH	45R&47B	FULL-19
T-905M		5	5TH	45R&47B	FULL-17
T-905P		5	5TH	45R&47B	FULL-16
T-955AL		6	6TH	45R&47B	FULL-16
T-955ALL		7	7TH	45R&47B	FULL-16
T-955GL		6	6TH	45R&47B	FULL-25
TO-11605A		5	4TH	45R&47B	FULL-22
TO-11605B		5	4TH	45R&47B	FULL-23
TO-11605C		5	4TH	45R&47B	FULL-18
TO-11605D		5	4TH	45R&47B	FULL-21
TO-11607B-ASX		7	6TH	78R&78B	FULL-33
TO-14607B-ASX		7	6TH	78R&78B	FULL-33
TO-905A		5	4TH	45R&47B	FULL-21
TO-905B		5	4TH	45R&47B	FULL-23
TO-905C		5	4TH	45R&47B	FULL-18
TO-905D		5	4TH	45R&47B	FULL-21

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
EATON/FULLER (Continued)					
TO-955AL		6	5TH	45R&47B	FULL-21
TO-955ALL		7	6TH	45R&47B	FULL-21
TO-955DLL		7	6TH	45R&47B	FULL-21
TO-955LL		6	5TH	45R&47B	FULL-26
TS-11612A		12	12TH	78R&78B	FULL-28
TS-12612A		12	12TH	78R&78B	FULL-28
TS-13612A		12	12TH	78R&78B	FULL-28
TS-15612A		12	12TH	78R&78B	FULL-28
TS-16612A		12	12TH	78R&78B	FULL-28
TSO-11612A		12	11TH	78R&78B	FULL-28
TSO-12612A		12	11TH	78R&78B	FULL-28
TSO-13612A		12	11TH	78R&78B	FULL-28
TSO-15612A		12	11TH	78R&78B	FULL-28
TSO-16612A		12	11TH	78R&78B	FULL-28
TX-14607B		7	6TH	78R&78B	FULL-33
TX-8607B		7	6TH	78R&78B	FULL-33
FORD					
4R100 4X2 (Diesel 1999—2002 Gas 1999—2004)		4	3RD	115L	FORD-01
4R100 4X4(Diesel 1999—2002 Gas 1999—2004)		4	3RD	115L	FORD-02
TORQSHIFT 4X2 (2005 & 2016) GAS		5	4TH	121L	FORD-05
TORQSHIFT 4X2 (2005 & 2010) DIESEL		5	4TH	121L	FORD-05
TORQSHIFT 4X2 (Diesel 2003—2004)		5	4TH	121L	FORD-03
TORQSHIFT 4X2 2006 LOW CAB FORWARD CHASSIS		5	4TH	121L	FORD-07
TORQSHIFT 4X2 and 4X4 (Diesel 2003—2004)		5	4TH	121L	FORD-04
TORQSHIFT 4X2 OR 4X4 (2005—2018 GAS) (2005-2010 DIESEL)		5	4TH	121L	FORD-06
TORQSHIFT 4X4 (2005—2016 GAS) (2005-2010 DIESEL)		5	4TH	121L	FORD-06
TORQSHIFT 6R140 Diesel (2011—2016 DIESEL) F-250–F-550 ONLY		6	4TH	52L	FORD-08
TORQSHIFT 6R140 4X2 F-650 & F-750 (2013—2015 GAS)		6	4TH	52L	FORD-09
TORQSHIFT 6R140 (2016 & LATER GAS OR 2016—2023 DIESEL) F-650—F-750		6	4TH	52L	FORD-10
TORQSHIFT 10R140 (2020 & LATER DIESEL ONLY) F-250—F-600		10	46TH	52L	FORD-12
TORQSHIFT 10R140 (2020 & LATER GAS ONLY) F-250—F-600		10	46TH	52L	FORD-13
TORQSHIFT 10R140 (2024 & LATER DIESEL ONLY) F-650—F750		10	46TH	52L	FORD-14
GETRAG					
360		5	4TH	33R&33L	GETR-01
HINO					
LF05S		5	5TH		HINO-02
LF06S		6	6TH		HINO-03
LJ06S		6	6TH		HINO-04
M550		6	6TH		HINO-05
MF06S		6	6TH		HINO-01
INTERNATIONAL					
13289 FULLER T-14607B		7	7TH	78R&78B	FULL-32
13447 SPICER PSO140-6A		6	5TH	54R&54B	SPCR-39
13ADK FORD TORQSHIFT		5	4TH	121L	FORD-07
13ADL FORD TORQSHIFT		5	4TH	121L	FORD-07
13ADN ALLISON 3000 EVS		5	4TH	68R&68L	ALLI-05
13ADP ALLISON 3500 EVS		6	4TH	68R&68L	ALLI-05
13ADR ALLISON 3500 EVS		5	4TH	68R&68L	ALLI-05
13ADX ALLISON 3000 TRV		6	4TH	68R&68L	ALLI-05

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
INTERNATIONAL (Continued)					
13ADY	ALLISON 3000 TRV	5	4TH	68R&68L	ALLI-05
13AEC	ALLISON 1000 HS	5	4TH	NONE	N1
13AED	ALLISON 2100 HS	5	4TH	NONE	N1
13AEE	ALLISON 2200 HS	5	4TH	NONE	N1
13AEP	ALLISON 1000 PTS	5	4TH	NONE	N1
13AER	ALLISON 2100 PTS	5	4TH	NONE	N1
13AES	ALLISON 2200 PTS	5	4TH	NONE	N1
13AET	ALLISON 2500 PTS	5	4TH	NONE	N1
13AEU	ALLISON 3000 PTS	6	5TH	NONE	N1
13AEV	ALLISON 3000 PTS	6	5TH	NONE	N1
13AEW	ALLISON 2100 EVS	5	4TH	64R&64L	ALLI-09
13AEX	ALLISON 2200 EVS	5	4TH	64R&64L	ALLI-09
13AEY	ALLISON 2500 EVS	5	4TH	64R&64L	ALLI-09
13AEZ	ALLISON 2100 RDS	5	4TH	64R&64L	ALLI-09
13AGA	ALLISON 2200 RDS	5	4TH	64R&64L	ALLI-09
13AGB	ALLISON 2500 RDS	5	4TH	64R&64L	ALLI-09
13AGC	ALLISON 2500 RDS	5	4TH	64R&64L	ALLI-09
13AGD	ALLISON 3000 RDS	5	4TH	68R&68L	ALLI-05
13AGE	ALLISON 3000 RDS	5	4TH	68R&68L	ALLI-05
13AGH	ALLISON 3000 RDS	6	4TH	68R&68L	ALLI-05
13AGJ	ALLISON 3000 RDS	6	4TH	68R&68L	ALLI-05
13AGL	ALLISON 3500 RDS	5	4TH	68R&68L	ALLI-05
13AGM	ALLISON 3500 RDS	5	4TH	68R&68L	ALLI-05
13AGP	ALLISON 3500 RDS	6	4TH	68R&68L	ALLI-05
13AGR	ALLISON 3500 RDS	6	4TH	68R&68L	ALLI-05
13AHE	ALLISON 1000 HS	5	4TH	NONE	N1
13AHH	ALLISON 2200 HS	5	4TH	NONE	N1
13AHK	ALLISON 1000 PTS	5	4TH	NONE	N1
13AHL	ALLISON 2100 PTS	5	4TH	NONE	N1
13AHM	ALLISON 2200 PTS	5	4TH	NONE	N1
13AHN	ALLISON 2500 PTS	5	4TH	NONE	N1
13AHP	ALLISON 2100 RDS	5	4TH	64R&64L	ALLI-09
13AHR	ALLISON 2200 RDS	5	4TH	64R&64L	ALLI-09
13AHS	ALLISON 2500 RDS	5	4TH	64R&64L	ALLI-09
13AHT	ALLISON 2500 RDS	5	4TH	64R&64L	ALLI-09
13AHU	ALLISON 2100 EVS	5	4TH	64R&64L	ALLI-09
13AHV	ALLISON 2200 EVS	5	4TH	64R&64L	ALLI-09
13AHW	ALLISON 2500 EVS	5	4TH	64R&64L	ALLI-09
13AJB	ALLISON 3000 PTS	6	5TH	NONE	N1
13AJC	ALLISON 3000 PTS	6	5TH	NONE	N1
13AJE	ALLISON 3000 RDS	5	4TH	68R&68L	ALLI-05
13AJG	ALLISON 3000 RDS	5	4TH	68R&68L	ALLI-05
13AJH	ALLISON 3000 RDS	6	4TH	68R&68L	ALLI-05
13AJJ	ALLISON 3000 RDS	6	4TH	68R&68L	ALLI-05
13AJK	ALLISON 3500 RDS	5	4TH	68R&68L	ALLI-05
13AJL	ALLISON 3500 RDS	5	4TH	68R&68L	ALLI-05
13AJN	ALLISON 3500 RDS	6	4TH	68R&68L	ALLI-05
13AJP	ALLISON 3500 RDS	6	4TH	68R&68L	ALLI-05
13AJR	ALLISON B-300	6	5TH	NONE	N1
13AJU	ALLISON 3000 EVS	6	4TH	68R&68L	ALLI-05
13AJV	ALLISON 3000 EVS	5	4TH	68R&68L	ALLI-05
13AJW	ALLISON 3500 EVS	6	4TH	68R&68L	ALLI-05
13AJX	ALLISON 3500 EVS	5	4TH	68R&68L	ALLI-05
13AKA	ALLISON 3000 TRV	6	4TH	68R&68L	ALLI-05
13AKB	ALLISON 3000 TRV	5	4TH	68R&68L	ALLI-05
13AKG	ALLISON 4000 HS	5	4TH	NONE	N1
13AKV	ALLISON 1000 RDS	5	4TH	64R&64L	ALLI-09
13AKW	ALLISON 1000 EVS	5	4TH	64R&64L	ALLI-09
13AKX	ALLISON 1000 RDS	5	4TH	64R&64L	ALLI-09
13AKY	ALLISON 1000 EVS	5	4TH	64R&64L	ALLI-09
13DBG	SPICER PS110-7B	7	7TH	56R&56B	SPCR-35
13DBH	SPICER PS145-7A	7	7TH	43R&43B	SPCR-34
13DBJ	SPICER PS110-7A	7	7TH	43R&43B	SPCR-34
13DDS	SPICER PSO115-10V	10	9TH	45R&45B	SPCR-45
13DGT	SPICER ES46-5A	5	5TH	32R&32L	SPCR-55
13DGU	SPICER ES56-5A	5	5TH	32R&32L	SPCR-55

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
INTERNATIONAL (Continued)					
13GAH	FULLER FR-15210B	10	10TH	45R&47B	FULL-40
13GEW	FULLER FS-6305A	5	5TH	39R&39L	FULL-11
13GGK	FULLER FR-11210B	10	9TH	45R&47B	FULL-40
13GGL	FULLER FRO-11210B	10	9TH	45R&47B	FULL-39
13GGM	FULLER FRO-11210C	10	9TH	45R&47B	FULL-38
13GGT	FULLER FR-12210B	10	9TH	45R&47B	FULL-40
13GGU	FULLER FRO-12210B	10	9TH	45R&47B	FULL-39
13GGV	FULLER FRO-12210C	10	9TH	45R&47B	FULL-38
13GHA	FULLER FR-13210B	10	9TH	45R&47B	FULL-40
13GHB	FULLER FRO-13210B	10	9TH	45R&47B	FULL-39
13GHC	FULLER FRO-13210C	10	9TH	45R&47B	FULL-38
13GHJ	FULLER FR-14210B	10	9TH	45R&47B	FULL-40
13GHK	FULLER FRO-14210B	10	9TH	45R&47B	FULL-39
13GHL	FULLER FRO-14210C	10	9TH	45R&47B	FULL-38
13GHN	FULLER FRO-15210B	10	9TH	45R&47B	FULL-39
13GHP	FULLER FRO-15210C	10	9TH	45R&47B	FULL-38
13GHR	FULLER FRO-16210B	10	9TH	45R&47B	FULL-39
13GHS	FULLER FRO-16210C	10	9TH	45R&47B	FULL-38
13GHV	FULLER RTO-11908LL	10	8TH	45R&47B	FULL-26
13GHW	FULLER RTO-14908LL	10	8TH	45R&47B	FULL-26
13GHX	FULLER RTO-16908LL	10	8TH	45R&47B	FULL-26
13GHY	FULLER RTO-16915	15	14TH	45R&47B	FULL-27
13GJR	FULLER RT-8908LL	10	8TH	45R&47B	FULL-25
13GJS	FULLER RTLO-18913A	13	12TH	45R&47B	FULL-43
13GJT	FULLER FR-9210B	10	9TH	45R&47B	FULL-39
13GKJ	FULLER RTLO-16913A	13	12TH	45R&47B	FULL-30
13GKK	FULLER RTLO-14918B	18	17TH	45R&47B	FULL-43
13GKL	FULLER RTLO-16918B	18	17TH	45R&47B	FULL-43
13GKM	FULLER RTLO-18918B	18	17TH	45R&47B	FULL-43
13GKZ	FULLER FRO-18210C	10	9TH	45R&47B	FULL-38
13GMJ	FULLER FSO-8406A	6	5TH	48R&48L	FULL-49
13GML	FULLER FRLO-14410C-T2	10	9TH	51R&51L	FULL-50
13GMM	FULLER FRLO-15410C-T2	10	9TH	51R&51L	FULL-50
13GMN	FULLER FRLO-16410C-T2	10	9TH	51R&51L	FULL-50
13GMS	FULLER FS-6406N	6	6TH	39R&39L	FULL-52
13GMY	FULLER RTO(F)-11909ALL	11	7TH	45R&47B	FULL-30
13GMZ	FULLER RTO(F)-14909ALL	11	7TH	45R&47B	FULL-30
13GNA	FULLER RTO(F)-16909ALL	11	7TH	45R&47B	FULL-30
13GNG	FULLER FS-5406N	6	6TH	39R&39L	FULL-52
13GNM	FULLER RTLOF-20918B	18	17TH	45R&47B	FULL-43
13GNU	FULLER RTO–16910C–AS2	10	9TH	45R&47B	FULL-30
13GPB	FULLER FRLOF-15410C	10	9TH	51R&51L	FULL-50
13GPC	FULLER FRLOF-16410C	10	9TH	51R&51L	FULL-50
13GPD	FULLER FRLOF-14410C	10	9TH	51R&51L	FULL-50
13GPL	FULLER RTOC-16909A	9	8TH	45R&47B	FULL-41
13GPM	FULLER RTO-16910B-DM3	10	9TH	45R&47B	FULL-53
13GPN	FULLER RTO–14910B–AS3	10	9TH	45R&47B	FULL-26
13GPP	FULLER RTO–14910C–AS3	10	9TH	45R&47B	FULL-30
13GPR	FULLER RTO–16910B–AS3	10	9TH	45R&47B	FULL-26
13GPS	FULLER RTO–16910C–AS3	10	9TH	45R&47B	FULL-30
13GPT	FULLER RTLO–16918A–AS3	18	16TH	45R&47B	FULL-43
13GPU	FULLER RTLO-18918A-AS3 AUTOSHIFT	18	16TH	45R&47B	FULL-43
13GPW	FULLER RTO-14910B-DM3	10	9TH	45R&47B	FULL-53
13GRD	FULLER RTLO(F)-12913A	13	12TH	45R&47B	FULL-30
13GRE	FULLER RTLO(F)-14913A	13	12TH	45R&47B	FULL-30
13GRH	FULLER RTLOC-16909A-T2	9	8TH	45R&47B	FULL-30
13GRK	FULLER RTO–12910B–AS3	10	9TH	45R&47B	FULL-26
13GRL	FULLER RTO-12910B-DM3	10	9TH	45R&47B	FULL-53
13MCG	SPICER ESO66-7B	7	6TH	34R&34L	SPCR-29
13MCH	SPICER ES56-7B (301739)	7	7TH	34R&34L	SPCR-56
13MET	MERITOR M-13G10A-M13	10	10TH	45R&45B	MERT-01
13MEU	MERITOR M-14G10A-M14	10	10TH	45R&45B	MERT-01

Notes:

N1 – No PTOs Available.

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

INTERNATIONAL (Continued)

13MEV MERITOR M-15G10A-M15	10	10TH	45R&45B	MERT-01
13MEX MERITOR MO-12G10A-M12	10	9TH	45R&45B	MERT-02
13MEY MERITOR MO-13G10A-M13	10	9TH	45R&45B	MERT-02
13MEZ MERITOR MO-14G10A-M14	10	9TH	45R&45B	MERT-02
13MGA MERITOR MO-15G10A-M15	10	9TH	45R&45B	MERT-02
13MGB MERITOR MO-16G10A-M16	10	9TH	45R&45B	MERT-02
13MGG MERITOR MO-14G10C-M14	10	9TH	45R&45B	MERT-04
13MGH MERITOR MO-15G10C-M15	10	9TH	45R&45B	MERT-04
13MGJ MERITOR MO-16G10C-M16	10	9TH	45R&45B	MERT-04
13MGM MERITOR MO-14G10C-M16	10	9TH	45R&45B	MERT-04
13MGN MERITOR MO-16G10C-M18	10	9TH	45R&45B	MERT-04
13MGV ZF MO-14Z12A-A14	12	11TH	-	MERT-05
13MGW ZF MO-16Z12A-A16	12	11TH	-	MERT-05
T-17 NEW PROCESS 435L	4	4TH	35R	NEWP-05
T-18 NEW PROCESS 435L	4	4TH	35L	NEWP-05
T-20 NEW PROCESS 435L	4	4TH	35R&35L	NEWP-05

ISUZU

ELECTROMATIC (JATCO)	4	3RD	63L	JATC-01
MBG-5A	5	5TH	34L	ISUZ-01
MBG-5B	5	5TH	35L	ISUZ-02
MBG-5F	5	5TH	37L	ISUZ-03
MBG-5H	5	5TH	35L	ISUZ-02
MBP-6P	6	6TH	34L	ISUZ-13
MBP-6Q	6	6TH	35L	ISUZ-14
MJA-7U	7	7TH		ISUZ-18
MJA-7T	7	7TH		ISUZ-18
MLD-6F	6	6TH	35L	ISUZ-08
MLD-6Q	6	6TH	36L	ISUZ-09
MSA-5D	6	6TH	36L	ISUZ-04
MSA-5G	6	6TH	36L	ISUZ-05
MSA-5P	6	6TH	36L	ISUZ-06
MSA-5P	6	6TH	36L	ISUZ-07
MXA-5C	5	5TH	20L	ISUZ-12
MXA-5D	5	5TH	20L	ISUZ-11
MXA-5R	5	5TH	20T	ISUZ-10
MXA-6R	5	5TH		ISUZ-10
MXA-6S	5	5TH	20T	ISUZ-10
MXA-5G	5	5TH		ISUZ-11
MYY-5T	5	5TH		ISUZ-16
MYY-6P	6	6TH		ISUZ-16
MYY-6S	6	6TH		ISUZ-16
MZZ-6F	6	6TH		ISUZ-17
MZZ-6U	6	6TH	37L	ISUZ-15

JATCO

AUTOMATIC	4	3RD	63L	JATC-01

MACK

There are many older model Mack transmissions not listed here for which Muncie can provide PTOs. Contact the Muncie Sales Department for assistance with these models. (Includes TRQ-7220, TRD-720, TRDL-7220, TRD-67, TRQ-720, ect.) Obtain gear tooth count prior to calling Muncie. Transmission models can be verified by use of the 11KBA***** number located on the transmission.

1078	5	5TH	34R&34L	MACK-01
4106A (EATON) (MIDLINER)	6	6TH	45R	EATN-03
4106-B (EATON) (MIDLINER)	6	6TH	43R	EATN-01
T-105 (RENAULT G405-1)	5	5TH	37R	RENA-01
T-1050 (BDSL-2152)	5	5TH	46R	N2
T-105A (RENAULT G405-0)	5	5TH	37R	RENA-02
T-1060 (BDSL-181, 2052R)	6	6TH	33R	N4
T-1060A (RENAULT G406-0)	6	5TH	37R	RENA-02
T-1060B (RENAULT G406-1)				N2
T-1070	12	11TH	37R&37L	MACK-04

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

MACK (Continued)

T-1070B	12	11TH	37R&37L	MACK-04
T-1090	9	7TH	53R	RENA-03
T-1100 (BDSL-2142, 2142R)	10	10TH	53R	RENA-04
T2050	5	5TH	54R&54L	MACK-05
T2060	6	6TH	54R&54L	MACK-05
T2060A	6	6TH	40R&40L	MACK-11
T2060C	6	4TH	48R&48L	MACK-10
T2070 (FRONT BOX)	7	7TH	54R&54L	MACK-05
T2070 (REAR BOX)	7	7TH	49R&49L	MACK-06
T2070B (FRONT BOX)	7	7TH	54R&54L	MACK-05
T2070B (REAR BOX)	7	7TH	49R&49L	MACK-06
T2070C (FRONT BOX)	7	4TH	48R&48L	MACK-10
T2070C (REAR BOX)	7	7TH	49R&49L	MACK-06
T2070D (FRONT BOX)	7	7TH	48R&48L	MACK-10
T2070D (REAR BOX)	7	7TH	49R&49L	MACK-06
T2070F	7	7TH	54R&54L	MACK-05
T2080	8	8TH	54R&54L	MACK-05
T2080B	8	8TH	54R&54L	MACK-05
T2080B (REAR BOX)	8	8TH	49R&49L	MACK-06
T2080C	8	4TH	48R&48L	MACK-10
T2080D (FRONT BOX)	8	8TH	48R&48L	MACK-10
T2080D (REAR BOX)	8	8TH	49R&49L	MACK-06
T2090	9	9TH	54R&54L	MACK-07
T2100	10	10TH	54R&54L	MACK-08
T2110B (FRONT BOX)	10	10TH	54R&54L	MACK-08
T2110B (REAR BOX)	10	10TH	49R&49L	MACK-12
T2130 (FRONT BOX)	13	13TH	54R&54L	MACK-07
T2130 (REAR BOX)	13	13TH	49R&49L	MACK-09
T2130B (FRONT BOX)	13	13TH	54R&54L	MACK-07
T2130B (REAR BOX)	13	13TH	49R&49L	MACK-09
T2180 (FRONT BOX)	18	18TH	54R&54L	MACK-07
T2180 (REAR BOX)	18	18TH	49R&49L	MACK-09
T2180B (FRONT BOX)	18	18TH	54R&54L	MACK-07
T2180B (REAR BOX)	18	18TH	49R&49L	MACK-09
T305	5	5TH	54R&54L	MACK-05
T306	6	6TH	54R&54L	MACK-05
T306G	6	6TH	40R&40L	MACK-11
T307 (FRONT BOX)	7	7TH	54R&54L	MACK-05
T307 (REAR BOX)	7	7TH	49R&49L	MACK-06
T307M (FRONT BOX)	7	7TH	54R&54L	MACK-05
T307M (REAR BOX)	7	7TH	49R&49L	MACK-06
T308	8	8TH	54R&54L	MACK-05
T308M (FRONT BOX)	8	8TH	54R&54L	MACK-05
T308M (REAR BOX)	8	8TH	49R&49L	MACK-06
T309	9	9TH	54R&54L	MACK-07
T309L	9	9TH	54R&54L	MACK-07
T309LR	9	9TH	54R&54L	MACK-07
T310	10	8TH	53R&53L	MACK-13
T310M (FRONT BOX)	10	8TH	53R&53L	MACK-13
T310M (REAR BOX)	10	8TH	49R&49L	MACK-15
T310ME (21) (FRONT BOX)	10	8TH	53R&53L	MACK-13
T310ME (21) (REAR BOX)	10	8TH	49R&49L	MACK-15
T310MLR (FRONT BOX)	10	8TH	54R&54L	MACK-07
T310MLR (FRONT BOX)	10	8TH	54R&54L	MACK-13
T310MLR (REAR BOX)	10	8TH	49R&49L	MACK-15
T313 (FRONT BOX)	13	11TH	54R&54L	MACK-07
T31321 (FRONT BOX)	13	11TH	54R&54L	MACK-07
T313L (FRONT BOX)	13	11TH	54R&54L	MACK-07
T313L (REAR BOX)	13	11TH	49R&49L	MACK-14
T313L21 (FRONT BOX)	13	11TH	54R&54L	MACK-07
T313L21 (REAR BOX)	13	11TH	49R&49L	MACK-14

Notes:

N2 – Not Current Production Transmission – No Muncie PTO..
N4 – Not Current Production Trans. – Contact Muncie for Application Info.

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
MACK (Continued)					
	T313LR (FRONT BOX)	13	11TH	54R&54L	MACK-07
	T313LR (REAR BOX)	13	11TH	49R&49L	MACK-14
	T313LR21 (FRONT BOX)	13	11TH	54R&54L	MACK-07
	T313LR21 (REAR BOX)	13	11TH	49R&49L	MACK-14
	T318 (FRONT BOX)	18	16TH	54R&54L	MACK-07
	T31821 (FRONT BOX)	18	16TH	54R&54L	MACK-07
	T318L (FRONT BOX)	18	16TH	54R&54L	MACK-07
	T318L (REAR BOX)	18	16TH	49R&49L	MACK-14
	T318L21 (FRONT BOX)	18	16TH	54R&54L	MACK-07
	T318L21 (REAR BOX)	18	16TH	49R&49L	MACK-14
	T318LR (FRONT BOX)	18	16TH	54R&54L	MACK-07
	T318LR (REAR BOX)	18	16TH	49R&49L	MACK-14
	T318LR21 (FRONT BOX)	18	16TH	54R&54L	MACK-07
	T318LR21 (REAR BOX)	18	16TH	49R&49L	MACK-14
	TM308	8	7TH	54R&54L	MACK-16
	TM308M (FRONT BOX)	8	7TH	54R&54L	MACK-07
	TM308M (REAR BOX)	8	7TH	49R&49L	MACK-17
	TM309	9	8TH	54R&54L	MACK-16
	TM309M (FRONT BOX)	9	8TH	54R&54L	MACK-07
	TM309M (REAR BOX)	9	8TH	49R&49L	MACK-17
	TMD12AD	12	12TH		VOLV-04
	TMD12AD	12	12TH		VOLV-04
	TMD13AO	12	11TH		VOLV-05
	TMD14AO	12	11TH		VOLV-05
	TMD13AFO-HD	12	11TH		VOLV-05
	TMD14AFO-HD	12	11TH		VOLV-05
	TR-7220	5	4TH	25R&25L	N3
	TRD-720	10	4TH	25R&25L	N3
	TRD-7220	10	4TH	25R&25L	N3
	TRD-72250	10	4TH	25R&25L	N3
	TRD-7250	10	4TH	25R&25L	N3
	TRDL-107	10	10TH	37R&37L	MACK-02
	TRDL-1070	10	9TH	37R&37L	MACK-04
	TRDL-720	10	4TH	25R&25L	N3
	TRDL-7220	10	4TH	25R&25L	N3
	TRDL-72250	10	4TH	25R&25L	N3
	TRDL-7250	10	4TH	25R&25L	N3
	TRDLG-1070	7	6TH	37R&37L	MACK-04
	TRDX-720	10	4TH	25R&25L	N3
	TRDX-7220	10	4TH	25R&25L	N3
	TRDXL-107	6	6TH	34R&34L	MACK-01
	TRDXL-1070	6	5TH	34R&34L	MACK-01
	TRDXL-1071	7	6TH	34R&34L	MACK-01
	TRDXL-1078	6	6TH	34R&34L	MACK-01
	TRDXL-10780	6	5TH	34R&34L	MACK-01
	TRDXL-10781	7	6TH	34R&34L	MACK-01
	TRDXT-720	10	4TH	25R&25L	N3
	TRDXT-7220	10	4TH	25R&25L	N3
	TRL-107	5	5TH	34R&34L	MACK-01
	TRL-1076	5	5TH	34R&34L	MACK-01
	TRL-1078	5	5TH	34R&34L	MACK-01
	TRQ-720	20	5TH	25R&25L	N3
	TRQ-7210	20	5TH	25R&25L	N3
	TRQ-7220	20	5TH	25R&25L	N3
	TRT-720	15	4TH	25R&25L	N3
	TRT-7220	15	4TH	25R&25L	N3
	TRTL-720	15	4TH	25R&25L	N3
	TRTL-7220	15	4TH	25R&25L	N3
	TRTQ-7220	20	5TH	25R&25L	N3
	TRTXL-107	12	12TH	37R&37L	MACK-02
	TRTXL-1070	12	11TH	37R&37L	MACK-04
	TRTXL-1070B	12	11TH	37R&37L	MACK-04
	TRX-107	6	6TH	37R&37L	MACK-02
	TRXL-107	6	6TH	37R&37L	MACK-02
	TRXL-1070	5	4TH	37R&37L	MACK-03
	TRXL-1070A	5	4TH	37R&37L	MACK-03
	TRXL-1071	6	6TH	37R&37L	MACK-02
	TRXL-10710	5	4TH	37R&37L	MACK-03
	TRXL-1071A	6	6TH	37R&37L	MACK-02
	TRXL-1078	6	6TH	37R&37L	MACK-02
	TRXL-107A	6	6TH	37R&37L	MACK-02
	X-107	6	6TH	37R&37L	MACK-02
	X-1070	5	4TH	37R&37L	MACK-03
	X-1071	6	6TH	37R&37L	MACK-02
	X-107A	6	6TH	37R&37L	MACK-02
MERCEDES					
	G56 DODGE RAM MANUAL	6	5TH	52R&52L	MERC-03
	G56-6	6	5TH	52R&52L	MERC-03
	G60-6	6	6TH	45R	MERC-05
	G85-6	6	5TH	53R	MERC-05
	MBT520-6DA (Automated)	6	6TH	45R	MERC-01
	MBT520S-6D (BM 715.053)	6	6TH	45R	MERC-01
	MBT660-6OA (Automated)	6	5TH	53R	MERC-02
	MBT660S-6O (BM 715.062)	6	5TH	53R	MERC-02
	AGS (G85 712.631)	6	5TH	53R	MERC-02
	TDET-0880	5	4TH	33L	TREM-02
	TDET-2196	5	4TH	33L	TREM-02
MITSUBISHI					
	MO30A4 AUTOMATIC	4	3RD	63L	JATC-01
	MO35A4	4	3RD	58L	AISN-01
	MO35S5	5	5TH	35L	MITS-03
	MO36A6	6	5TH	69L	AISN-02
	MO36S5 (4x2 Only)	5	4TH	40L	MITS-07
	MO36S6 (4x2 Only)	6	5TH	40L	MITS-07
	MO38S6 DUONIC	6	5TH	44L	MITS-08
	MO50S5	5	5TH	35L	MITS-04
	MO50S6-OD	6	5TH	35L	MITS-04
	MO60S5	5	5TH	35L	MITS-05
	MO60S6-D	6	6TH	41L	MITS-06
	MO60S6-OD	6	5TH	35L	MITS-05
	M060S9 (EATON FS-8209A)	9	9TH	23L	EATN-02
	M)70S6-D	6	6TH	41L	MITS-06
	M3 (S5)	5	5TH		N4
	M4 (S5)	5	5TH	37L	MITS-01
	M5 (S5)	5	5TH	37L	MITS-01
	M6 (S5)	5	5TH	37L	MITS-01
	M8S2X5 Before 4/94	10	10TH	29L	MITS-02
	MY-600	6	5TH	69L	AISN-02
MUNCIE					
	SS66-U2 (SPLITSHAFT)	1		23R&23L	MUNC-01
	SS88 (SPLITSHAFT)	1		50R&50L	MUNC-02
PACCAR					
	PO-14F112C	12	11TH	42B	FULL-58
	PO-15F112C	12	11TH	42B	FULL-58
	PO-16F112C	12	11TH	42B	FULL-58
	PO-17F112C	12	11TH	42B	FULL-58
	PO-18F112C	12	11TH	42B	FULL-58
	TX8	8	6TH	43R&43L	ZEDF-10
	PXD-16F118D	18	16TH	46B	FULL-59
	PXD-18F118D	18	16TH	46B	FULL-59
	PXDP-16F118D	18	16TH	46B	FULL-59
	PXDP-18F118D	18	16TH	46B	FULL-59

Notes:

N3 – PTO Application Available From M-Power or Muncie Website.

N4 – Not Current Production Trans. – Contact Muncie for Application Info.

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
NEW PROCESS					
	203 TRANSFER CASE	2	2ND	32R&32L	N4
	205 TRANSFER CASE	2	2ND	35L	NEWP-01
	435DE (6.68 LOW)	4	4TH	34R&34L	NEWP-03
	435DL (6.68 Low) (Ford Before 1979) (Dodge Before 1986)	4	4TH	35R&35L	NEWP-05
	435FE (6.68 LOW)(FORD)	4	4TH	34R	NEWP-04
	435FL (6.68 Low) (Ford Before 1979) (Dodge Before 1986)	4	4TH	35R&35L	NEWP-05
	435GL (6.68 Low) (Ford Before 1979) (Dodge Before 1986)	4	4TH	35R&35L	NEWP-05
	540	5	5TH	20R&15L	N3
	540C	5	5TH	20R&15L	N3
	540CD	5	5TH	20R&15L	N3
	540DD	5	5TH	20R&15L	N3
	540FD	5	5TH	20R&15L	N3
	540GD	5	5TH	20R&15L	N3
	540R	5	5TH	20R&15L	N3
	540T	5	5TH	20R&15L	N3
	540W	5	5TH	20R&15L	N3
	542CD (6.15 LOW) (6.29 LOW)	5	5TH	20R&23L	NEWP-06
	542CL (7.24 LOW) (7.33 LOW)	5	5TH	20R&23L	NEWP-07
	542DD (6.15 LOW) (6.29 LOW)	5	5TH	20R&23L	NEWP-06
	542DL (7.24 LOW) (7.33 LOW)	5	5TH	19R&23L	NEWP-08
	542FD (6.15 LOW) (6.29 LOW)	5	5TH	20R&23L	NEWP-06
	542FL (7.24 LOW) (7.33 LOW)	5	5TH	19R&23L	NEWP-08
	542GD (6.15 LOW) (6.29 LOW)	5	5TH	20R&23L	NEWP-06
	542GL (7.24 LOW) (7.33 LOW)	5	5TH	20R&23L	NEWP-07
NEW VENTURE					
	241HD TRANSFER CASE	2	2ND	38R	NEWV-03
	NV021			38R	NEWV-04
	NV-4500 (5.61 LOW-DODGE)	5	4TH	30R&30L	NEWV-01
	NV-4500 (5.61-LOW CHEVY) (AFTER BUILD DATE 021794)	5	4TH	30R&30L	NEWV-01
	NV-4500 (5.61-LOW GM 2001 3600 USE CHEV-2)	5	4TH	30R&30L	NEWV-01
	NV-4500 (6.34 LOW-CHEVY) (BEFORE BUILD DATE 021794	5	4TH	32R&32L	NEWV-02
	NV-4500HD (DODGE)	5	4TH	30R&30L	NEWV-01
	NV-5600	6	5TH	57R&57L	NEWV-05
PT TECH					
	HPTO14T-220SX-12VS-0	1	1ST	41R	PTTE-01
RAM					
	TORQUEFLITE HD ZF POWERLINE	5	5TH		RAM-01
RENAULT					
	BDSL-181	5	5TH		RENA-05
	BDSL-2052R	5	5TH		RENA-05
	BDSL-2142 OBSOLETE				
	BDSL-2142R OBSOLETE				
	BDSL-2152				N2
	G405-0 (MACK)	5	5TH	37R	RENA-02
	G405-1 (MACK)	5	5TH	37R	RENA-01
	G406-0 (MACK)	6	5TH	37R	RENA-02
	G406-1 (MACK T-1060B)				N2
	T-105 (MACK)	5	5TH	37R	RENA-01
	T-105A (MACK)	5	5TH	37R	RENA-02
	T-1060A	5	5TH	37R	RENA-02

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
STERLING BULLET					
	AS68RC	6	5TH	69R	AISN-02
SPICER (SEE TREMEC)					
TOYOTA					
	M150 (TRANSFER CASE)	2	2ND		TOYO-01
	M151 (TRANSFER CASE)	2	2ND		TOYO-01
	M153 (TRANSFER CASE)	2	2ND		TOYO-01
	M155 (TRANSFER CASE)	2	2ND		TOYO-01
TREMEC					
	190F (TREMEC)	4	4TH	36R&36L	WARN-01
	199A	4	4TH	36R	TREM-01
	199F	4	4TH	36R	TREM-01
	CL-559A	5	5TH	33R&19L	FULL-07
	CL-559B	5	5TH	33R&19L	FULL-07
	CL-559C	5	5TH	30R&19L	FULL-08
	ES54-5A	5	5TH	33R&33L	SPCR-47
	ES54-5B	5	5TH	32R&32L	SPCR-48
	ES54-5C	5	5TH	33R&33L	SPCR-49
	FS-5005A	5	5TH	33R&19L	FULL-07
	FS-5005D	5	5TH	33R&19L	FULL-07
	FSM-5305E	5	5TH	33R&33L	FULL-44
	FSM-5305G	5	5TH	32R&32L	FULL-45
	FSM-5305H	5	5TH	33R&33L	FULL-46
	TR4040	5	4TH	32R	TREM-02
	TR4050 (TDET-0880, -1361, -1664, -2196, -4812)	5	4TH	32R	TREM-02
	TR7070	7	7TH	34R&34L	TREM-09
	TR-S46-5A	5	5TH	32R&32L	TREM-03
	TR-S56-5A	5	5TH	32R&32L	TREM-03
	TR-S62-5A	5	5TH	41R&41L	TREM-04
	TR-S62-5D	5	5TH	43R&43L	TREM-05
	TR-S67-5A	5	5TH	41R&41L	TREM-04
	TR-S67-5D	5	5TH	43R&43L	TREM-05
	TR-S70-5A	5	5TH	40R&40L	TREM-06
	TR-S70-5D	5	5TH	42R&42L	TREM-07
	TR-S56-7B	7	7TH	34R&34L	TREM-08
	TR-SO66-7B	7	7TH	34R&34L	TREM-09
	TR-T110-7B	7	7TH	56R&56L	TREM-10
	TR-T110-7A	7	7TH	43R&43L	TREM-11
	TR-T145-7A	7	7TH	43R&43L	TREM-11
	TR-T86-10V	10	10TH	45R&45B	TREM-12
	TR-TO115-10V	10	9TH	45R&45B	TREM-13
	TR-TO145-10V	10	9TH	45R&45B	TREM-13
	TR-T100-10D	10	10TH	45R&45B	TREM-14
	TR-T145-10D	10	10TH	45R&45B	TREM-14
	TR-S56-7B	7	7TH	34R&34L	TREM-08
	TR-SO66-7B	7	7TH	34R&34L	TREM-09
	TR-T110-7B	7	7TH	56R&56L	TREM-10
	TR-T110-7A	7	7TH	43R&43L	TREM-11
	TR-T145-10D	10	10TH	45R&45B	TREM-14
	TR-TO100-10S	10	9TH	45R&45B	TREM-15
	TR-TO165-10S	10	9TH	45R&45B	TREM-15
	TR-TDO165-18A	18	16TH	52R&52B	TREM-16
	TR-TDO185-18A	18	16TH	52R&52B	TREM-16
	TR-TDO205-18A	18	16TH	52R&52B	TREM-16

Notes:

N2 – Not Current Production Transmission – No Muncie PTO..
N3 – PTO Application Available From M-Power or Muncie Website.
N4 – Not Current Production Trans. – Contact Muncie for Application Info.

TRANSMISSION INDEX

TREMEC (FORMERLY SPICER)

The Bill of Material(B/M) numbers found on the TTC/Spicer I.D. can be used to differentiate between old and new transmissions. Typically only the new style transmissions are shown. Muncie does have PTOs for most of the old-style, out of production transmissions. Contact the Muncie Sales Department for assistance.

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
	1007-2A (300959 & EARLIER)				N4
	1007-2A (301117) (301206)	7	7TH	45R&45B	SPCR-01
	1007-2B (300960 & EARLIER)				N4
	1007-2B (301118) (301207)	7	6TH	48R&48B	SPCR-38
	1007-3A (300965 & EARLIER)(1976 & BEFORE)	7	6TH	51R&51B	N3
	1007-3A (301121) (301208)	7	5TH	54R&54B	SPCR-36
	1010-2A (300874 & EARLIER)				N4
	1010-2A (301111)	10	10TH	49R&49B	SPCR-02
	1010-3A (300980 & EARLIER)				N4
	1010-3A (301113)	10	9TH	54R&54B	SPCR-40
	1010-3B (300995 & EARLIER)				N4
	1010-3B (301115)	10	9TH	48R&48B	SPCR-03
	1010-4A (300964 & EARLIER)				N4
	1010-4A (301112)	10	10TH	49R&49B	SPCR-02
	1010-5A (301069 & EARLIER)				N4
	1010-5A (301114)	10	9TH	54R&54B	SPCR-40
	1020-2A (300875 & EARLIER)				N4
	1020-2A (301123)	20	10TH	49R&49B	SPCR-02
	1020-3A (300894 & EARLIER)				N4
	1020-3A (301125)	20	10TH	48R&48B	SPCR-03
	1020-4A (300982 & EARLIER)				N4
	1020-4A (301124)	20	10TH	49R&49B	SPCR-02
	1020-5A (300983 & EARLIER)				N4
	1020-5A (301126)	20	10TH	48R&48B	SPCR-03
	1052A (300883 & EARLIER)				N4
	1052A (301091)	5	5TH	43R&43B	SPCR-33
	1054A (300963 & EARLIER)				N4
	1054A (301092)	5	5TH	43R&43B	SPCR-33
	1062A (300835 & EARLIER)				N4
	1062A (301101)	6	6TH	45R&45B	SPCR-01
	1062B (300836 & EARLIER)				N4
	1062B (301103)	6	6TH	48R&48B	SPCR-04
	1062C (301132 & EARLIER)				N4
	1062C (301133)	6	6TH	48R&48B	SPCR-38
	1062D (301148)	6	6TH	48R&48B	SPCR-04
	1064A (300961 & EARLIER)				N4
	1064A (301102)	6	6TH	45R&45B	SPCR-01
	1064B (300962 & EARLIER)				N4
	1064B (301104)	6	6TH	48R&48B	SPCR-04
	1064C (301135 & EARLIER)				N4
	1064C (301136)	6	6TH	48R&48B	SPCR-38
	1064D (301149)	6	6TH	48R&48B	SPCR-04
	1107-2A (301201)	7	7TH	43R&43B	SPCR-34
	1207-2A (301195)	7	7TH	45R&45B	SPCR-01
	1207-2B (301196)	7	7TH	48R&48B	SPCR-38
	1207-2D (301240)	7	7TH	48R&48B	SPCR-38
	1207-3A (301199)	7	6TH	54R&54B	SPCR-36
	1211-3A	11	5TH	51R&51B	N3
	1211-5A	11	5TH	51R&51B	N3
	1214-2A (301128) (301210)	14	13TH	49R&49B	SPCR-42
	1214-3A (301072 & EARLIER)				N4
	1214-3A (301130) (301212)	14	13TH	54R&54B	SPCR-05
	1214-4A (301129) (301211)	14	13TH	49R&49B	SPCR-42
	1214-5A (301089 & EARLIER)				N4
	1214-5A (301131) (301213)	14	13TH	54R&54B	SPCR-05
	1241C (300977, 301145, 301151)	4	3RD	39R&39B	SPCR-16
	1241CT	4	3RD	39R&39B	SPCR-16
	1241D (300978, 301146, 301152)	4	3RD	39R&39B	SPCR-16
	1241DT	4	3RD	39R&39B	SPCR-16
	1252A (300898 & EARLIER)				N4

TREMEC (FORMERLY SPICER) (Continued)

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO
	1252A (301094)	5	5TH	44R&44B	SPCR-06
	1253A (300899 & EARLIER)				N4
	1253A (301096)	5	4TH	51R&51B	SPCR-07
	1253B (300928 & EARLIER)				N4
	1253B (301098)	5	4TH	55R&55B	SPCR-08
	1254A (300997 & EARLIER)				N4
	1254A (301095)	5	5TH	44R&44B	SPCR-06
	1255A (301057 & EARLIER)				N4
	1255A (301097)	5	4TH	51R&51B	SPCR-07
	1255B (301058 & EARLIER)				N4
	1255B (301099)	5	4TH	55R&55B	SPCR-08
	1262A (1976 & BEFORE)	6	6TH	51R&51B	N3
	1262A (301105)	6	6TH	45R&45B	SPCR-09
	1263A (300834 & EARLIER)(1976 & BEFORE)	6	5TH	51R&51B	N3
	1263A (301107)	6	5TH	54R&54B	SPCR-39
	1263B (301076 & EARLIER)(1976 & BEFORE)	6	5TH	51R&51B	N3
	1263B (301109)	6	5TH	54R&54B	SPCR-36
	1264A	6	6TH	51R&51B	N3
	1264A (301106)	6	6TH	45R&45B	SPCR-09
	1265A	5	4TH	51R&51B	N3
	1265A (301108)	5	4TH	54R&54B	SPCR-39
	1272A (301139 & EARLIER)				N4
	1272A (301140) (301215)	6	6TH	48R&48B	SPCR-38
	1272B (301158)	6	6TH	48R&48B	SPCR-04
	1274A (301134 & EARLIER)				N4
	1274A (301141) (301216)	6	6TH	48R&48B	SPCR-38
	1274B (301159)	6	6TH	48R&48B	SPCR-04
	1310-2A (301292)	10	10TH	51R&51B	SPCR-10
	1310-4A (301317)	10	10TH	51R&51B	SPCR-10
	1352A (301235)	5	5TH	43R&43B	SPCR-33
	1362A (301169)	6	6TH	45R&45B	SPCR-01
	1362B (301171)	6	6TH	48R&48B	SPCR-38
	1362C (301178)	6	6TH	48R&48B	SPCR-38
	1362D (301180)	6	6TH	48R&48B	SPCR-38
	1364C (301179)	6	6TH	48R&48B	SPCR-38
	1372A (301271) (301398)	7	7TH	43R&43B	SPCR-34
	1372B (301325) (301405)	7	7TH	56R&56B	SPCR-35
	1374A (301272)	7	7TH	43R&43B	SPCR-34
	1410-2A (301288) (301161)	10	10TH	49R&49B	SPCR-02
	1410-3A (301163)	10	10TH	54R&54B	SPCR-40
	1410-3B (301165)	10	9TH	48R&48B	SPCR-03
	1412-3A (301227)	12	11TH	54R&54B	SPCR-40
	1414-2A (301242)	14	13TH	49R&49B	SPCR-42
	1414-3A (301243) (301290)	14	13TH	54R&54B	SPCR-40
	1420-3A (301232) (301239)	10	9TH	54R&54B	SPCR-40
	1420-3B (301332)	10	9TH	54R&54B	SPCR-40
	1452A (301183)	5	5TH	44R&44B	SPCR-06
	1453A (301185)	5	4TH	51R&51B	SPCR-07
	1453B (301187)	5	4TH	55R&55B	SPCR-08
	1462A (301173)	6	6TH	45R&45B	SPCR-01
	1463A (301175)	6	5TH	54R&54B	SPCR-39
	1463C (301357)	6	5TH	54R&54B	SPCR-39
	3152				N4
	3152-A				N4
	3152-B				N4
	3152-C				N4
	3152-D				N4
	3152-E				N4
	3153				N4
	3153-A				N4

Notes:

N3 – PTO Application Available From M-Power or Muncie Website.

N4 – Not Current Production Trans. – Contact Muncie for Application Info.

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

TREMEC (FORMERLY SPICER) **(Continued)**

3153-B				N4
5652 (2, 6-BOLT OPENINGS)	5	5TH	20R&24L	N3
5652 (8-BOLT & 6-BOLT OPENING)	5	5TH	41R&24L	N3
5652A (2, 6-BOLT OPENINGS)	5	5TH	20R&24L	N3
5652A (8-BOLT & 6-BOLT OPENING)	5	5TH	39R&24L	N3
5652B (2, 6-BOLT OPENINGS)	5	5TH	20R&24L	N3
5652B (8-BOLT & 6-BOLT OPENING)	5	5TH	41R&24L	N3
5752 (2, 6-BOLT OPENINGS)	5	5TH	20R&24L	N3
5752 (8-BOLT & 6-BOLT OPENING)	5	5TH	39R&24L	N3
5752A (2, 6-B0LT OPENINGS)	5	5TH	20R&24L	N3
5752A (8-BOLT & 6-BOLT OPENING)	5	5TH	39R&24L	N3
5752B (2, 6-BOLT OPENINGS)	5	5TH	20R&24L	N3
5752C (2, 6-BOLT OPENINGS)	5	5TH	20R&24L	N3
5752C (8-BOLT & 6-BOLT OPENING)	5	5TH	42R&24L	N3
5753 (2, 6-BOLT OPENINGS)	5	5TH	20R&24L	N3
5753A	5	5TH	48R&24L	N3
5756 (2 6-BOLT OPENINGS)	5	5TH	20R&24L	N3
5756A (2 6-BOLT OPENINGS)	5	5TH	20R&24L	N3
5756B (2 6-BOLT OPENINGS)	5	5TH	20R&24L	N3
5756B (8-BOLT & 6-BOLT OPENING)	5	5TH	43R&24L	N3
5852	5	5TH	20R&24L	N3
5852A	5	5TH	20R&24L	N3
5852B	5	5TH	20R&24L	N3
6352 (300661)				N4
6352-A				N4
6354				N4
6354-A				N4
6452A	5	5TH	22R&25L	N3
6852	5	5TH	21R&25L	N3
6852D	5	5TH	23R&25L	N3
6852E	5	5TH	23R&25L	N3
6852G	5	5TH	23R&25L	N3
6852L	5	5TH	23R&25L	N3
6852Q	5	5TH	23R&25L	N3
6852R	5	5TH	21R&25L	N3
6853	5	5TH	21R&25L	N3
6853A	5	5TH	21R&25L	N3
6853B	5	5TH	21R&25L	N3
6853C	5	4TH	23R&25L	N3
6853G	5	4TH	23R&25L	N3
6853K	5	4TH	23R&25L	N3
6854	5	5TH	21R&25L	N3
6854G	5	4TH	23R&25L	N3
6855	5	5TH	21R&25L	N3
6855B	5	5TH	21R&25L	N3
6855C	5	4TH	23R&25L	N3
7041 (Auxiliary) (300528)	4	4TH	31R	SPCR-46
8012				N4
8016				N4
8041	4	4TH	46R&46L	N3
8041A	4	4TH	46R&46L	N3
8045	4	4TH	46R&46L	N3
8045A	4	4TH	46R&46L	N3
8051	5	4TH	46R&46L	N3
8051A	5	4TH	46R&46L	N3
8051B	5	4TH	46R&46L	N3
8051C	5	4TH	46R&46L	N3
8051D	5	4TH	46R&46L	N3
8052	5	5TH	46R&46L	N3
8052B	5	5TH	46R&46L	N3
8052D	5	5TH	46R&46L	N3
8054	5	5TH	46R&46L	N3
8054B	5	5TH	46R&46L	N3
8054D	5	5TH	46R&46L	N3
8055	5	4TH	46R&46L	N3
8055A	5	4TH	46R&46L	N3

TREMEC (FORMERLY SPICER) **(Continued)**

8055B	5	4TH	46R&46L	N3
8055C	5	4TH	46R&46L	N3
8055D	5	4TH	46R&46L	N3
8081	8	4TH	46R&46L	N3
8085	8	4TH	46R&46L	N3
8516				N4
8542A	4	4TH	46R&46L	N3
8544A	4	4TH	46R&46L	N3
8552A	5	5TH	46R&46L	N3
8552B	5	5TH	46R&46L	N3
8553				N4
8553A	5	4TH	46R&46L	N3
8553B	5	4TH	46R&46L	N3
8554				N4
8554A	5	5TH	46R&46L	N3
8554B	5	5TH	46R&46L	N3
8555A	5	4TH	46R&46L	N3
8555B	5	4TH	46R&46L	N3
9072A (301321)	7	7TH	50R&50B	SPCR-31
AMO1000-4C/4D (301474) (301475)	4	3RD	39R&39B	SPCR-16
APO1000-4C/4D (301476) (301477)	4	3RD	39R&39B	SPCR-16
APO1750-4C/4D	4	3RD	39R&39B	SPCR-16
AS100-10D (301612)	10	10TH	45R&45B	SPCR-51
AS125-10D (301613)	10	10TH	45R&45B	SPCR-51
AS125-9A	9	9TH	45R&45B	SPCR-30
AS135-10D (301614)	10	10TH	45R&45B	SPCR-51
AS135-9A	9	9TH	45R&45B	SPCR-30
AS140-9A	9	9TH	45R&45B	SPCR-30
AS145-10D (301615)	10	10TH	45R&45B	SPCR-51
AS56-7B	7	7TH	34R&34L	SPCR-56
ASO100-10S	10	9TH	45R&45B	SPCR-43
ASO10-VPD	10	9TH	45R&45B	SPCR-43
ASO125-10D	10	9TH	45R&45B	SPCR-52
ASO125-10S (301541)(301579)	10	9TH	45R&45B	SPCR-43
ASO125-9A	10	9TH	45R&45B	SPCR-52
ASO135-10D	10	9TH	45R&45B	SPCR-52
ASO135-9A	10	9TH	45R&45B	SPCR-37
ASO140-10S (301542)(301580)	10	9TH	45R&45B	SPCR-43
ASO140-9A	9	8TH	45R&45B	SPCR-37
ASO145-9A	9	8TH	45R&45B	SPCR-37
ASO150-10S (301526) (301578)	10	9TH	45R&45B	SPCR-43
ASO150-9A	9	8TH	45R&45B	SPCR-37
ASO165-10S (301543) (301581)	10	9TH	45R&45B	SPCR-43
ASO56-7A (301452) (301636)	7	6TH	34R&34L	SPCR-29
ASO56-7B	7	6TH	34R&34L	SPCR-29
ASO66-7A (301452) (301636)	7	6TH	34R&34L	SPCR-29
ASO66-7B	7	6TH	34R&34L	SPCR-29
ATO1000-4C/4D	4	3RD	39R&39B	SPCR-16
ATO1750-4C/4D	4	3RD	39R&39B	SPCR-16
CM-4054A (301329)(301420)	5	5TH	40R&40L	SPCR-17
CM-4054D (301343) (301421)	5	5TH	42R&42L	SPCR-18
CM-4954A (301386)	5	5TH	32R&32L	SPCR-19
CM-4954D (301387)	5	5TH	34R&34L	SPCR-20
CM-5052A (301068)(301472)	5	5TH	41R&41L	SPCR-22
CM-5052B (301248) (301079)	5	5TH	39R&39L	SPCR-11
CM-5052C (301249) (301080)	5	5TH	41R&41L	SPCR-22
CM-5052D (301250) (301230)	5	5TH	43R&43L	SPCR-23
CM50-HD	5	5TH	43R&43L	SPCR-24
CM-5252A (301251) (301081)	5	5TH	43R&43L	SPCR-24
CM-5510 (301315) (301371)	5	5TH	41R&41L	SPCR-22
CM-5552A (301309) (301366)	5	5TH	41R&41L	SPCR-22

Notes:

N3 – PTO Application Available From M-Power or Muncie Website.

N4 – Not Current Production Trans. – Contact Muncie for Application Info.

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

TREMEC (FORMERLY SPICER) **(Continued)**

CM-5552B (301310) (301367)	5	5TH	39R&39L	SPCR-11
CM-5552C (301311) (301368)	5	5TH	41R&41L	SPCR-22
CM-5552D (301312) (301369)	5	5TH	43R&43L	SPCR-23
CM-5852A (301313) (301370)	5	5TH	43R&43L	SPCR-24
CM-5952A (301360)	5	5TH	41R&41L	SPCR-22
CM-5952B (301361)	5	5TH	39R&39L	SPCR-11
CM-5952C (301362)	5	5TH	41R&41L	SPCR-22
CM-5952D (301363)	5	5TH	43R&43L	SPCR-23
CM-5952E (301364)	5	5TH	43R&43L	SPCR-24
CM-6052A (301253) (301075) (301413)	5	5TH	40R&40L	SPCR-25
CM-6052B (301254) (301082) (301414)	5	5TH	38R&38L	SPCR-26
CM-6052C (301255) (301083) (301415)	5	5TH	42R&42L	SPCR-28
CM-6052D (301256) (301416)	5	5TH	42R&42L	SPCR-27
CM-6252A (301257) (301084)	5	5TH	39R&39L	SPCR-12
CM-6252B (301258) (301085) (301417)	5	5TH	35R&35L	SPCR-13
CM-6253A (301259) (301086)	5	4TH	44R&44L	SPCR-14
CM-6253B (301260) (301087) (301418)	5	4TH	46R&46L	SPCR-15
CV67F	5	5TH	42R&42L	SPCR-27
ES42-5A (301438)	5	5TH	40R&40L	SPCR-17
ES42-5D (301439)	5	5TH	42R&42L	SPCR-18
ES43-5A (301510) (301633)	5	5TH	32R&32L	SPCR-19
ES43-5D (301511) (301634)	5	5TH	34R&34L	SPCR-20
ES46-5D	5	5TH	34R&34L	SPCR-58
ES46-5A	5	5TH	32R&32L	SPCR-55
ES52-5A (301455)	5	5TH	32R&32L	SPCR-19
ES52-5D (301456)	5	5TH	34R&34L	SPCR-20
ES52-7A (301451) (301635)	7	7TH	34R&34L	SPCR-21
ES52-7B (301642) (301637)	7	7TH	34R&34L	SPCR-21
ES53-5A (301508) (301631)	5	5TH	32R&32L	SPCR-19
ES53-5D (301509) (301632)	5	5TH	34R&34L	SPCR-20
ES54-5A	5	5TH	33R&33L	SPCR-47
ES54-5B	5	5TH	32R&32L	SPCR-48
ES54-5C	5	5TH	33R&33L	SPCR-49
ES55-5D	5	5TH	43R&43L	SPCR-23
ES56-5A	5	5TH	32R&32L	SPCR-55
ES56-5B (301467)	5	5TH	32R&32L	SPCR-26
ES56-5D	5	5TH	32R&32L	SPCR-58
ES56-7B (301739)	7	7TH	34R&34L	SPCR-56
ES60-5A (301460)	5	5TH	41R&41L	SPCR-22
ES60-5C (301461)	5	5TH	41R&41L	SPCR-22
ES60-5D (301462)	5	5TH	43R&43L	SPCR-23
ES60-5E (301463)	5	5TH	43R&43L	SPCR-24
ES60-5F (301482)	5	5TH	41R&41L	SPCR-22
ES62-5A (301528)	5	5TH	41R&41L	SPCR-22
ES62-5D (301530)	5	5TH	43R&43L	SPCR-23
ES65-5A (301466)	5	5TH	40R&40L	SPCR-25
ES65-5B (301467)	5	5TH	38R&38L	SPCR-26
ES65-5D (301469)	5	5TH	42R&42L	SPCR-27
ES65-5E (301468)	5	5TH	42R&42L	SPCR-28
ES67-5A (301532)	5	5TH	41R&41L	SPCR-22
ES67-5D (301534)	5	5TH	43R&43L	SPCR-23
ES68-5D	5	5TH	43R&43L	SPCR-23
ES70-5A (301536)	5	5TH	40R&40L	SPCR-25
ES70-5D (301539)	5	5TH	42R&42L	SPCR-27
ES72-5A	5	5TH	40R&40L	SPCR-25
ES72-5B (301637)	5	4TH	46R&46L	SPCR-15
ES72-5C	5	5TH	42R&42L	SPCR-27
ES72-5D	5	5TH	42R&42L	SPCR-27
ESO65-7A (301452) (301636)	7	6TH	34R&34L	SPCR-29
ESO66-7B (301643) (301638)(301742)	7	6TH	34R&34L	SPCR-29
ESO67-7B	7	6TH	34R&34L	SPCR-57
ESO77-7B	7	6TH	34R&34L	SPCR-57
LAS100-10D (301616)	10	10TH	45R&45B	SPCR-51
LAS115-9A (301590)	9	9TH	45R&45B	SPCR-30
LAS125-10D (301617)	10	10TH	45R&45B	SPCR-51
LAS125-9A (301591)	9	9TH	45R&45B	SPCR-30

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

TREMEC (FORMERLY SPICER) **(Continued)**

LAS135-10D (301618)	10	10TH	45R&45B	SPCR-51
LAS135-9A (301592)	9	9TH	45R&45B	SPCR-30
LAS140-9A	9	9TH	45R&45B	SPCR-30
LAS145-10D (301619)	10	10TH	45R&45B	SPCR-51
LAS145-9A (301593)	9	9TH	45R&45B	SPCR-30
LASO10-VPD	10	9TH	45R&45B	SPCR-43
LASO115-9A (301594)	9	8TH	45R&45B	SPCR-37
LASO125-10S (301620)	10	9TH	45R&45B	SPCR-43
LASO125-9A (301595)	9	8TH	45R&45B	SPCR-37
LASO135-9A (301597)	9	8TH	45R&45B	SPCR-37
LASO140-10S (301621)	10	9TH	45R&45B	SPCR-43
LASO140-9A	9	8TH	45R&45B	SPCR-37
LASO145-9A (301596)	9	8TH	45R&45B	SPCR-37
LASO150-10S (301622)	10	9TH	45R&45B	SPCR-43
LASO150-9A	9	8TH	45R&45B	SPCR-37
LLAS100-10D	10	10TH	45R&45B	SPCR-51
LLAS125-10D	10	10TH	45R&45B	SPCR-51
LLAS135-10D	10	10TH	45R&45B	SPCR-51
LLAS145-10D	10	10TH	45R&45B	SPCR-51
LLASO125-10S	10	9TH	45R&45B	SPCR-32
LLASO140-10S	10	9TH	45R&45B	SPCR-32
LLASO150-10S	10	9TH	45R&45B	SPCR-32
LLPS100-10D	10	10TH	45R&45B	SPCR-51
LLPS125-10D	10	10TH	45R&45B	SPCR-51
LLPS135-10D	10	10TH	45R&45B	SPCR-51
LLPS145-10D (301703)	10	10TH	45R&45B	SPCR-51
LLPSO100-10S	10	9TH	45R&45B	SPCR-32
LLPSO125-10S	10	9TH	45R&45B	SPCR-32
LLPSO140-10S (301705)	10	9TH	45R&45B	SPCR-32
LLPSO150-10S	10	9TH	45R&45B	SPCR-32
LLPSO155-10S	10	9TH	45R&45B	SPCR-32
LLPSO165-10S	10	9TH	45R&45B	SPCR-32
LPS100-10D (301608)	10	10TH	45R&45B	SPCR-51
LPS125-10D (301609)	10	10TH	45R&45B	SPCR-51
LPS125-9A (301547) (301567)	9	9TH	45R&45B	SPCR-30
LPS135-10D (301610)	10	10TH	45R&45B	SPCR-51
LPS140-9A (301549) (301569)	9	9TH	45R&45B	SPCR-30
LPS145-10D (301611)	10	10TH	45R&45B	SPCR-51
LPS9-VPD (301549)	9	9TH	45R&45B	SPCR-30
LPSO100-10S	10	9TH	45R&45B	SPCR-32
LPSO10-VPD	10	9TH	45R&45B	SPCR-32
LPSO125-10S (301544) (301572)	10	9TH	45R&45B	SPCR-32
LPSO125-9A (301548) (301568)	9	8TH	45R&45B	SPCR-37
LPSO140-10S (301545) (301573)	10	9TH	45R&45B	SPCR-32
LPSO140-9A (301550) (301570)	9	8TH	45R&45B	SPCR-37
LPSO150-10S (301546) (301574)	10	9TH	45R&45B	SPCR-32
LPSO150-9A (301551) (301571)	9	8TH	45R&45B	SPCR-37
LPSO165-10S	10	9TH	45R&45B	SPCR-32
PSO9-VPD (301551)(301571)	9	8TH	45R&45B	SPCR-37
P1241C (301053) (301395)	4	3RD	39R&39B	SPCR-16
P1241D (301054) (301396)	4	3RD	39R&39B	SPCR-16
PS100-10D (301604)	10	10TH	45R&45B	SPCR-51
PS105-7LL (301464)	5	5TH	43R&43B	SPCR-33
PS110-7A (301519)	7	7TH	43R&43B	SPCR-34
PS110-7B (301518)	7	7TH	56R&56B	SPCR-35
PS125-10D (301605)	10	10TH	45R&45B	SPCR-51
PS125-7B (301445)	7	7TH	56R&56B	SPCR-35
PS125-9A (301431)(301554)	9	9TH	45R&45B	SPCR-30
PS130-10A (301485)	10	10TH	51R&51B	SPCR-10
PS130-12A (301484)	12	12TH	51R&51B	SPCR-10
PS130-5A (301470)	5	5TH	43R&43B	SPCR-33
PS130-6B (301471)	6	6TH	48R&48B	SPCR-38
PS130-6L (301465)	6	6TH	43R&43B	SPCR-33
PS135-10D (301606)	10	10TH	45R&45B	SPCR-51
PS140-7A (301444)	7	7TH	43R&43B	SPCR-34
PS140-9A (301495) (301555)	9	9TH	45R&45B	SPCR-30

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

TREMEC (FORMERLY SPICER) (Continued)

PS145-10D (301607)	10	10TH	45R&45B	SPCR-51
PS145-7A (301520)	7	7TH	43R&43B	SPCR-34
PS85-10LL	10	10TH	51R&51B	SPCR-10
PS85-14-4L (301525)	10	10TH	51R&51B	SPCR-10
PS86-10V (301587)	10	10TH	45R&45B	SPCR-44
PS95-9A (301500) (301553)	9	9TH	45R&45B	SPCR-30
PS97-7A (301446)	7	7TH	50R&50B	SPCR-31
PS9-VPD	9	9TH	45R&45B	SPCR-30
PSDO165-18A	18	16TH	52R&52L	SPCR-59
PSDO185-18A	18	16TH	52R&52L	SPCR-59
PSDO205-18A	18	16TH	52R&52L	SPCR-59
PSO100-10S (301505) (301560)	10	9TH	45R&45B	SPCR-32
PSO10-VPD	10	9TH	45R&45B	SPCR-32
PSO115-10V (301588)	10	9TH	45R&45B	SPCR-45
PSO120-8LL(301644)	8	6TH	54R&54B	SPCR-36
PSO125-10D	10	9TH	45R&45B	SPCR-52
PSO125-10S (301504)(301561)	10	9TH	45R&45B	SPCR-32
PSO125-10V (301589)	10	9TH	45R&45B	SPCR-45
PSO125-9A (301499)(301556)	9	8TH	45R&45B	SPCR-37
PSO135-10D	10	9TH	45R&45B	SPCR-52
PSO140-10S (301506)(301562)	10	9TH	45R&45B	SPCR-32
PSO140-12B (301473)	12	11TH	54R&54B	SPCR-40
PSO140-14A (301483)	14	13TH	54R&54B	SPCR-40
PSO140-6A (301472)	6	5TH	54R&54B	SPCR-39
PSO140-6C (301486)	6	5TH	54R&54B	SPCR-39
PSO140-9A (301432)(301557)	9	8TH	45R&45B	SPCR-37
PSO145-10D	10	9TH	45R&45B	SPCR-52
PSO145-10V (301582)	10	9TH	45R&45B	SPCR-45
PSO150-10S (301503)(301563)	10	9TH	45R&45B	SPCR-32
PSO150-16A (301641)	16	15TH	54R&54B	SPCR-39
PSO150-16B (301647)	16	15TH	56R&56B	SPCR-41
PSO150-9A (301496)(301558)	9	8TH	45R&45B	SPCR-37
PSO150-9S (301521)	9	8TH	45R&45B	SPCR-32
PSO155-10D	10	9TH	45R&45B	SPCR-52
PSO160-10S (301517)	10	9TH	45R&45B	SPCR-32
PSO165-10D	10	9TH	45R&45B	SPCR-52
PSO165-10S (301523)(301564)	10	9TH	45R&45B	SPCR-32
PSO165-16B (301583)	16	15TH	56R&56B	SPCR-41
PSO165-18A (301666)	18	17TH	57R&57B	SPCR-50
PSO165-18B	18	17TH	57R&57B	SPCR-50
PSO175-16B (301584)	16	15TH	56R&56B	SPCR-41
PSO175-16M (301645)	16	15TH	56R&56B	SPCR-41
PSO175-16SM (301864)	16	15TH	84R&84B	SPCR-53
PSO175-18A (301585)	18	17TH	57R&57B	SPCR-50
PSO175-18B	18	17TH	57R&57B	SPCR-50
PSO175-18M (301849)	18	17TH	57R&57B	SPCR-50
PSO175-18SM	18	17TH	76R&76B	SPCR-54
PSO85-10LL	12	11TH	54R&54B	SPCR-40
PSO85-14-4L	12	11TH	54R&54B	SPCR-40
PSO9-VPD	9	8TH	45R&45B	SPCR-37
R8516				N4
RP8516				N4
T-9505-2A (301408)	5	5TH	43R&43B	SPCR-33
T-9505-2B (301425)	5	5TH	43R&43B	SPCR-33
TR7070	7	6TH	34R&34L	SPCR-29
TSP120-12A	12	12TH	51R&51B	N3
TSP145-16B	16	16TH	54R&54B	N3
TSPO140-12C	12	11TH	49R&49B	N3
TSPO145-14A	14	13TH	56R&56B	N3
TSPO145-16B	16	15TH	56R&56B	SPCR-41
TSPO150-12A	12	11TH	49R&49B	N3
TSPO155-14HP	14	13TH	56R&56L	N3

Notes:

N2 – Not Current Production Transmission – No Muncie PTO.
N3 – PTO Application Available From M-Power or Muncie Website.
N4 – Not Current Production Trans. – Contact Muncie for Application Info.

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

TREMEC (FORMERLY SPICER) (Continued)

TSPO155-16 H.P.	16	15TH	56R&56B	SPCR-41
TSPO155-16A	16	15TH	54R&54B	SPCR-39
TSPO155-16B	16	15TH	56R&56B	SPCR-41
TSPO165-16 H.P.	16	15TH	56R&56B	SPCR-41
TSPO165-18 H.P.	18	17TH	57R&57B	N3
TSPO165-18A	18	17TH	57R&57B	N3
TSPO175-16 MEGA	16	15TH	56R&56B	SPCR-41
TSPO175-18 MEGA	18	17TH		N2
TSPO180-16SM (301853)	16	15TH	84R&84B	SPCR-53
TSPO180-18SM (301855)	18	17TH	76R&76B	SPCR-54

UD TRUCK

450-43LE	4	3RD	58L	AISN-01
MES-50A	5	5TH	34L	NISS-04
MES-50B	5	5TH	33L	NISS-05
MES-50C	5	5TH	32L	NISS-06
MHS-50U	5	5TH	23L	NISS-02
MHS-60A	6	6TH	23L	NISS-02
MHS-61A	6	6TH	23L	NISS-02
MHS-62A, MHS-63A	6	6TH	23L	NISS-02
MLS-61A	6	6TH	25L	NISS-03
MLS-61B	6	6TH	25L	NISS-03
MLS-62B	6	6TH	25L	NISS-03
MLS-63B	6	6TH	25L	NISS-03
MPS-60B	6	6TH		NISS-08
MPS-62T	6	6TH	42L	NISS-07
MPS-63B	6	6TH		NISS-09
RGE-40A AUTOMATIC	4	3RD	63L	JATC-01
TMH-263	5	5TH	23L	NISS-01
TMH-704	5	5TH	23L	NISS-02
TMH-762	6	6TH	23L	NISS-02

VOLVO

AT2512C, VT2512C	12	12TH		VOLV-04
AT2812C, VT2812C	12	12TH		VOLV-04
ATO2512C, VTO2512C	12	11TH		VOLV-05
ATO3112C, VTO3112C	12	11TH		VOLV-05
R1700	9	8TH		VOLV-01
R52	8	8TH		VOLV-02
SR1700	14	12TH		VOLV-01
VT1309	9	8TH		VOLV-01
VT1414	14	14TH		VOLV-01
VT2214B	14	14TH		VOLV-03
VT809	9	8TH		VOLV-01
AT2612D	12	12th		VOLV-04
ATO2612C, ATO2612, ATO3112D	12	11th		VOLV-05

WARNER

1356 TRANSFER CASE	2	2ND	57R	WARN-05
1370 TRANSFER CASE	2	2ND	57R	WARN-05
4401 TRANSFER CASE	2	2ND	57R	WARN-05
4407 TRANSFER CASE (PTO OBSOLETE)	2	2ND	57R	WARN-06
4470 TRANSFER CASE	2	2ND	57R	WARN-05
T-18	4	4TH	36R&36L	WARN-01
T-18A	4	4TH	32R&32L	WARN-02
T-18B	4	4TH	32R&32L	WARN-03
T-18C	4	4TH	32R&32L	WARN-02
T-19	4	4TH	36R&36L	WARN-01
T-19A	4	4TH	32R&32L	WARN-03
T-19A (4.02 LOW GEAR)	4	4TH	32R&32L	WARN-04
T-19C	4	4TH	32R&32L	WARN-04
T-19D	4	4TH	32R&32L	WARN-02
T-98-1R	4	4TH	36R&36L	WARN-01
T-98-1V	4	4TH	36R&36L	WARN-01
T-98A	4	4TH	36R&36L	WARN-01

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

ZED F

6S-380	6	5TH		ZEDF-09
S6-650 (5.79-0.72 RATIO)(1999-2007 FORD)	6	5TH	39L	ZEDF-04
S6-650 (5.79-0.72 RATIO)(2001-2006 GMC 3600 CHEV-3)	6	5TH	39R&39L	ZEDF-04
S6-750 (2008 & Later Ford)	6	6TH		ZEDF-08
6S-850 (Hyundai/Bering)	6	6TH		ZEDF-05
9S-75 (13.16 1ST)	9	9TH		ZEDF-07
S5-35	5	5TH		ZEDF-06
S5-42 (4.14-0.77 RATIO)	5	4TH	41R&41L	ZEDF-01
S5-42 (5.72-0.76 RATIO)	5	4TH	45R&45L	ZEDF-02
S5-47 (5.08-0.77 RATIO)	5	4TH	43R&43L	ZEDF-03
S5-47 (5.72-0.76 RATIO)	5	4TH	45R&45L	ZEDF-02
POWERLINE	8	6TH	43R&43L	ZEDF-10

ZF (ZF/MERITOR)

MERITOR MODEL NUMBERS:
Models: Ex.:MO-16F10C-E18 or MO-16F10C-M18 are the same PTO application.
Suffix: A=Automated, E=ESS ZF MERITOR TCU, D=ESS-DDC ECU, S=Shift-by-Wire, M=Manual

FORMER ROCKWELL MODEL NUMBERS:
Models: Ex.: RMX13-145A or RSX13-145A (Transmission Model NO. beginning "RS" or "RSX" are the same applications as the standard "RM" and "RMX" models.) RMO and RMX designate overdrive and are the same PTO application.

M-11F10A-E11 (S11)	10	10TH	45R&45	MERT-01
M-11F9A-E11 (S11)	9	9TH	45R&45	MERT-01
M-11G10A-M11 (D11) (E11) (S11)	10	10TH	45R&45B	MERT-01
M-11G9A-M11 (D11) (E11) (S11)	9	9TH	45R&45B	MERT-01
M-12F10A-E12 (S12)	10	10TH	45R&45	MERT-01
M-12F9A-E12 (S12)	9	9TH	45R&45	MERT-01
M-12G10A-D12 (E12)	10	10TH	45R&45	MERT-01
M-12G10A-M12 (D12) (E12) (S12)	10	10TH	45R&45B	MERT-01
M-12G9A-M12 (D12) (E12) (S12)	9	9TH	45R&45B	MERT-01
M-13F10A-E13 (S13)	10	10TH	45R&45	MERT-01
M-13F9A-E13 (S13)	9	9TH	45R&45	MERT-01
M-13G10A-M13 (D13) (E13) (S13)	10	10TH	45R&45B	MERT-01
M-13G9A-M13 (D13) (E13) (S13)	9	9TH	45R&45B	MERT-01
M-13Z12A-A13 (Direct Drive) (FREEDOMLINE)	12	12th		MERT-05
M-14F10A-E14 (S14)	10	10TH	45R&45	MERT-01
M-14F10A-M16	10	10TH	45R&45B	MERT-01
M-14F10A-S15	10	10TH	45R&45	MERT-01
M-14F9A-E14 (S14)	9	9TH	45R&45	MERT-01
M-14G10A-M14 (D14) (E14) (S14)	10	10TH	45R&45B	MERT-01
M-14G10A-M16 (D16) (E16) (S16)	10	10TH	45R&45B	MERT-01
M-14G9A-M14 (D14) (E14) (S14)	9	9TH	45R&45B	MERT-01
M-14Z12A-A14 (Direct Drive) (FREEDOMLINE)	12	12th		MERT-05
M-15F10A-E15 (S15)	10	10TH	45R&45	MERT-01
M-15G10A-M15 (D15) (E15) (S15)	10	10TH	45R&45B	MERT-01
M-15G9A-M15 (D15) (E15) (S15)	9	9TH	45R&45B	MERT-01
MO-11F10A-S11	10	10TH	45R&45	MERT-02
MO-11F10C-E11 (S11)	10	10TH	45R&45	MERT-04
MO-11F9B-E11 (S11)	9	9TH	45R&45	MERT-03
MO-11G10A-M11 (D11) (E11) (S11)	10	9TH	45R&45B	MERT-02
MO-11G10C-M11 (D11) (E11) (S11)	10	9TH	45R&45B	MERT-04
MO-11G9B-M11 (D11) (E11) (S11)	9	8TH	45R&45B	MERT-03
MO-11G9R-M11	9	8TH	45R&45B	MERT-02
MO-12F10A-E12 (S12)	10	9TH	45R&45	MERT-02
MO-12F10C-E12 (S12)	10	9TH	45R&45	MERT-04
MO-12F9A-E12 (S12)	9	8TH	45R&45	MERT-02
MO-12F9B-E12 (S12)	9	8TH	45R&45	MERT-03
MO-12G10A-M12 (D12) (E12) (S12)	10	9TH	45R&45B	MERT-02
MO-12G10C-M12 (D12) (E12) (S12)	10	9TH	45R&45B	MERT-04
MO-12G9A-M12 (D12) (E12) (S12)	9	8TH	45R&45B	MERT-02
MO-12G9B-M12 (D12) (E12) (S12)	9	8TH	45R&45B	MERT-03

ZF (ZF/MERITOR) (Continued)

MO-12G9R-M12	9	8TH	45R&45B	MERT-02
MO-13F10A-E13 (S13)	10	9TH	45R&45	MERT-02
MO-13F10C-E13 (S13)	10	9TH	45R&45	MERT-04
MO-13F9A-E13 (S13)	9	8TH	45R&45	MERT-02
MO-13F9B-E13 (S13)	9	8TH	45R&45	MERT-03
MO-13G10A-M13 (D13) (E13) (S13)	10	9TH	45R&45B	MERT-02
MO-13G10C-M13 (D13) (E13) (S13)	10	9TH	45R&45B	MERT-04
MO-13G9A-M13 (D13) (E13) (S13)	9	8TH	45R&45B	MERT-02
MO-13G9B-M13 (D13) (E13) (S13)	9	8TH	45R&45B	MERT-03
MO-13G9R-M13	9	8TH	45R&45B	MERT-02
MO-13Z12A-A13 (FREEDOMLINE)	12	11TH		MERT-05
MO-13Z16A-A13 (FREEDOMLINE)	16	15TH		MERT-06
MO-14F10A-E14 (S14)	10	9TH	45R&45	MERT-02
MO-14F10A-M16	10	9TH	45R&45B	MERT-02
MO-14F10C-E14 (S14)	10	9TH	45R&45	MERT-04
MO-14F10C-M16	10	9TH	45R&45B	MERT-04
MO-14F9A-E14 (S14)	9	8TH	45R&45	MERT-02
MO-14F9B-E14 (S14)	9	8TH	45R&45	MERT-03
MO-14G10A-M14 (D14) (E14) (S14)	10	9TH	45R&45B	MERT-02
MO-14G10A-M16 (D16) (E16) (S16)	10	9TH	45R&45B	MERT-02
MO-14G10C-M14 (D14) (E14) (S14)	10	9TH	45R&45B	MERT-04
MO-14G10C-M16 (D16) (E16) (S16)	10	9TH	45R&45B	MERT-04
MO-14G9A-M14 (D14) (E14) (S14)	9	8TH	45R&45B	MERT-02
MO-14G9B-M14 (D14) (E14) (S14)	9	8TH	45R&45B	MERT-03
MO-14G9R-M14	9	8TH	45R&45B	MERT-02
MO-14Z12A-A14 (FREEDOMLINE)	12	11TH		MERT-05
MO-14Z16A-A14 (FREEDOMLINE)	16	15TH		MERT-06
MO-15F10A-E15 (S15)	10	9TH	45R&45	MERT-02
MO-15F10C-E15 (S15)	10	9TH	45R&45	MERT-04
MO-15F9B-E15 (S15)	9	8TH	45R&45	MERT-03
MO-15G10A-M15 (D15) (E15) (S15)	10	9TH	45R&45B	MERT-02
MO-15G10C-M15 (D15) (E15) (S15)	10	9TH	45R&45B	MERT-04
MO-15G9B-M15 (D15) (E15) (S15)	9	8TH	45R&45B	MERT-03
MO-15Z12A-A15 (FREEDOMLINE)	12	11TH		MERT-05
MO-15Z16A-A15 (FREEDOMLINE)	16	15TH		MERT-06
MO-16F10A-E16 (S16)	10	9TH	45R&45	MERT-02
MO-16F10C-M18 (D18) (E18) (S18)	10	9TH	45R&45B	MERT-04
MO-16G10A-M16 (D16) (E16) (S16)	10	9TH	45R&45B	MERT-02
MO-16G10C-M16 (D16) (E16) (S16)	10	9TH	45R&45B	MERT-04
MO-16G10C-M18 (D18) (E18) (S18)	10	9TH	45R&45B	MERT-04
MO-16Z12A-A16 (FREEDOMLINE)	12	11TH		MERT-05
MO-16Z16A-A16 (FREEDOMLINE)	16	15TH		MERT-06
MO-17G10C-M17 (D17) (E17) (S17)	10	9TH	45R&45B	MERT-04
MO-17G10C-M19 (D19) (E19) (S19)	10	9TH	45R&45B	MERT-04
MO-18G10C-M18 (D18) (E18) (S18)	10	9TH	45R&45B	MERT-04
MO-18G10C-M20 (D20) (E20) (S20)	10	9TH	45R&45B	MERT-04
RD10-145A	10	10TH	45R&45B	MERT-01
RE10-115A	10	10TH	45R&45	MERT-01
RE10-125A	10	10TH	45R&45	MERT-01
RE10-135A	10	10TH	45R&45	MERT-01
RE10-145A	10	10TH	45R&45	MERT-01
RE10-155A	10	10TH	45R&45	MERT-01
RE9-115A	9	9TH	45R&45	MERT-01
RE9-125A	9	9TH	45R&45	MERT-01
RE9-135A	9	9TH	45R&45	MERT-01
RE9-145A	9	9TH	45R&45	MERT-01
RE9-155A	9	9TH	45R&45	MERT-01
REO9-115B	9	8TH	45R&45	MERT-03
REO9-125A	9	8TH	45R&45	MERT-02
REO9-125B	9	8TH	45R&45	MERT-03
REO9-135A	9	8TH	45R&45	MERT-02
REO9-135B	9	8TH	45R&45	MERT-03
REO9-145A	9	8TH	45R&45	MERT-02
REO9-145B	9	8TH	45R&45	MERT-03
REO9-155B	9	8TH	45R&45	MERT-03
REX10-115A	10	9TH	45R&45	MERT-02

TRANSMISSION INDEX

LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

ZF (ZF/MERITOR) (Continued)

REX10-115C	10	9TH	45R&45	MERT-04
REX10-125A	10	9TH	45R&45	MERT-02
REX10-125C	10	9TH	45R&45	MERT-04
REX10-135A	10	9TH	45R&45	MERT-02
REX10-135C	10	9TH	45R&45	MERT-04
REX10-145A	10	9TH	45R&45	MERT-02
REX10-145C	10	9TH	45R&45	MERT-04
REX10-155A	10	9TH	45R&45	MERT-02
REX10-155C	10	9TH	45R&45	MERT-04
REX10-165A	10	9TH	45R&45	MERT-02
REX10-165C	10	9TH	45R&45	MERT-04
REX9-115B	9	8TH	45R&45	MERT-03
REX9-115R	9	8TH	45R&45	MERT-03
REX9-125A	9	8TH	45R&45	MERT-02
REX9-125B	9	8TH	45R&45	MERT-03
REX9-125R	9	8TH	45R&45	MERT-03
REX9-135A	9	8TH	45R&45	MERT-02
REX9-135B	9	8TH	45R&45	MERT-03
REX9-135R	9	8TH	45R&45	MERT-03
REX9-145A	9	8TH	45R&45	MERT-02
REX9-145B	9	8TH	45R&45	MERT-03
REX9-145R	9	8TH	45R&45	MERT-03
REX9-155B	9	8TH	45R&45	MERT-03
RM10-115A	10	10TH	45R&45B	MERT-01
RM10-125A	10	10TH	45R&45B	MERT-01
RM10-135A	10	10TH	45R&45B	MERT-01
RM10-145A	10	10TH	45R&45B	MERT-01
RM10-145AT	10	10TH	45R&45B	MERT-01
RM10-155A	10	10TH	45R&45B	MERT-01
RM9-115A	9	9TH	45R&45B	MERT-01
RM9-125A	9	9TH	45R&45B	MERT-01
RM9-135A	9	9TH	45R&45B	MERT-01
RM9-145A	9	9TH	45R&45B	MERT-01
RM9-155A	9	9TH	45R&45B	MERT-01
RMO10-115A	10	9TH	45R&45B	MERT-02
RMO10-125A	10	9TH	45R&45B	MERT-02
RMO10-135A	10	9TH	45R&45B	MERT-02
RMO10-145A	10	9TH	45R&45B	MERT-02
RMO10-145AT	10	9TH	45R&45B	MERT-02
RMO10-155A	10	9TH	45R&45B	MERT-02
RMO13-145A	13	12TH	45R&45B	MERT-01
RMO9-115A	9	8TH	45R&45	MERT-02
RMO9-115B	9	8TH	45R&45B	MERT-03
RMO9-115R	9	8TH	45R&45B	MERT-02
RMO9-125A	9	8TH	45R&45B	MERT-02
RMO9-125B	9	8TH	45R&45B	MERT-03
RMO9-125R	9	8TH	45R&45B	MERT-02
RMO9-135A	9	8TH	45R&45B	MERT-02
RMO9-135B	9	8TH	45R&45B	MERT-03
RMO9-135R	9	8TH	45R&45B	MERT-02
RMO9-145A	9	8TH	45R&45B	MERT-02
RMO9-145B	9	8TH	45R&45B	MERT-03
RMO9-145R	9	8TH	45R&45B	MERT-02
RMO9-155B	9	8TH	45R&45	MERT-03
RMX10-115A	10	9TH	45R&45B	MERT-02
RMX10-115C	10	9TH	45R&45B	MERT-04
RMX10-125A	10	9TH	45R&45B	MERT-02
RMX10-125C	10	9TH	45R&45B	MERT-04
RMX10-135A	10	9TH	45R&45B	MERT-02
RMX10-135C	10	9TH	45R&45B	MERT-04
RMX10-145A	10	9TH	45R&45B	MERT-02
RMX10-145C	10	9TH	45R&45B	MERT-04
RMX10-145CT	10	9TH	45R&45B	MERT-04
RMX10-155A	10	9TH	45R&45B	MERT-02
RMX10-155C	10	9TH	45R&45B	MERT-04
RMX10-156A	10	9TH	45R&45B	MERT-02

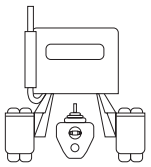
LET. CODE	MAKE MODEL	NO. FWD. SP'DS	DIRECT DRIVE IN.	TEETH IN PTO DRIVER	PTO APPL. NO

ZF (ZF/MERITOR) (Continued)

RMX10-165A	10	9TH	45R&45B	MERT-02
RMX10-165C	10	9TH	45R&45B	MERT-04
RMX10-165CT	10	9TH	45R&45B	MERT-04
RMX13-145A	13	12TH	45R&45B	MERT-01
RMX9-115B	9	8TH	45R&45B	MERT-03
RMX9-115R	9	8TH	45R&45B	MERT-02
RMX9-125A	9	8TH	45R&45B	MERT-02
RMX9-125B	9	8TH	45R&45B	MERT-03
RMX9-125R	9	8TH	45R&45B	MERT-02
RMX9-135A	9	8TH	45R&45B	MERT-02
RMX9-135B	9	8TH	45R&45B	MERT-03
RMX9-135R	9	8TH	45R&45B	MERT-02
RMX9-145A	9	8TH	45R&45B	MERT-02
RMX9-145B	9	8TH	45R&45B	MERT-03
RMX9-145R	9	8TH	45R&45B	MERT-02
RMX9-155B	9	8TH	45R&45B	MERT-03
RS10-115A	10	10TH	45R&45	MERT-01
RS10-125A	10	10TH	45R&45	MERT-01
RS10-135A	10	10TH	45R&45	MERT-01
RS10-145A	10	10TH	45R&45	MERT-01
RS10-155A	10	10TH	45R&45	MERT-01
RS9-115A	9	9TH	45R&45	MERT-01
RS9-125A	9	9TH	45R&45	MERT-01
RS9-135A	9	9TH	45R&45	MERT-01
RS9-145A	9	9TH	45R&45	MERT-01
RS9-155A	9	9TH	45R&45	MERT-01
RSO9-115B	9	8TH	45R&45	MERT-03
RSO9-125B	9	8TH	45R&45	MERT-03
RSO9-135B	9	8TH	45R&45	MERT-03
RSO9-145B	9	8TH	45R&45	MERT-03
RSO9-155B	9	8TH	45R&45	MERT-03
RSX10-115A	10	9TH	45R&45	MERT-02
RSX10-115C	10	9TH	45R&45B	MERT-04
RSX10-125A	10	9TH	45R&45	MERT-02
RSX10-125C	10	9TH	45R&45B	MERT-04
RSX10-135A	10	9TH	45R&45	MERT-02
RSX10-135C	10	9TH	45R&45B	MERT-04
RSX10-145A	10	9TH	45R&45	MERT-02
RSX10-145C	10	9TH	45R&45B	MERT-04
RSX10-155A	10	9TH	45R&45	MERT-02
RSX10-155C	10	9TH	45R&45B	MERT-04
RSX10-165A	10	9TH	45R&45	MERT-02
RSX10-165C	10	9TH	45R&45B	MERT-04
RSX9-115B	9	8TH	45R&45	MERT-03
RSX9-115C	9	8TH	45R&45	MERT-03
RSX9-115R	9	8TH	45R&45	MERT-03
RSX9-125A	9	8TH	45R&45	MERT-02
RSX9-125B	9	8TH	45R&45	MERT-03
RSX9-125C	9	8TH	45R&45	MERT-03
RSX9-125R	9	8TH	45R&45	MERT-02
RSX9-135A	9	8TH	45R&45	MERT-02
RSX9-135B	9	8TH	45R&45	MERT-03
RSX9-135C	9	8TH	45R&45	MERT-03
RSX9-135R	9	8TH	45R&45	MERT-02
RSX9-145A	9	8TH	45R&45	MERT-02
RSX9-145B	9	8TH	45R&45	MERT-03
RSX9-145C	9	8TH	45R&45	MERT-03
RSX9-145R	9	8TH	45R&45	MERT-02
RSX9-155B	9	8TH	45R&45	MERT-03
RSX9-155C	9	8TH	45R&45	MERT-03
RSX9-165C	9	8TH	45R&45	MERT-03

AISIN TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

450-43LE, A443, A445, MO35A4

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

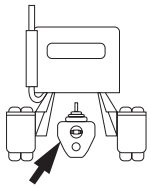
FOOTNOTES:

AISIN TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
58T 8.46P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1793 FPM **RPM:** 1,000



450-43LE, A443, A445, MO35A4
Footnotes (1 & 3)
Mitsubishi 2000-2004
Nissan + Isuzu 1999-2007

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-I8404-C3BP	2, 4	Opp	61			40TI8410-2		Included	Cable	205	39
	TG6S-I8405-C3BP	2, 4	Opp	80			40TI8410-2		Included	Cable	157	30
	TG6S-I8406-C3BP	2, 4	Opp	104			40TI8410-2		Included	Cable	121	23
	TG6S-I8407-C3BP	2, 4	Opp	123			40TI8410-2		Included	Cable	103	20
	TG6S-I8408-C3BP	2, 4	Opp	150			40TI8410-2		Included	Cable	83	16
	TG6S-I8409-C3BP	2, 4	Opp	157			40TI8410-2		Included	Cable	80	15
SH SERIES												
CLUTCH SHIFT	CS6B-I8403-S3BP	5, 6, 7, 8	Crnk	57					Included	Power	205	39
	CS6B-I8404-S3BP	5, 6, 7, 8	Crnk	74					Included	Power	205	39
	CS6B-I8405-S3BP	5, 6, 7, 8	Crnk	81					Included	Power	157	30
	CS6B-I8407-S3BP	5, 6, 7, 8	Crnk	119					Included	Power	105	20
	FA6B-I8406-H3BX	10	Opp	115					Included	Power	94	18
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		9	40TI8410-2						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- **OUTPUT SHAFT** (see pages 6 & 8)
- **SPECIAL OPTIONS** (see pages 6 & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Torque ratings limited by transmission gear rating.
2 TG Series Input Gear: #03T37328 — Refer to kit program on pages 27-29. Requires (1) 43T39222 adapter for pressure lubrication connection (sold separately).
3 Drive gear is torque converter driven and output shaft speed will vary due to converter slippage.
4 Requires the use of adapter to mount PTO and clear internal interference. Metric stud kit 20TK4074 and (2) spacers 23M60032S are required (one spacer on each side of adapter) and are included with adapter.
5 The "S" shift option includes the fittings and hose for activation. Using the "H" shift option requires Hydraulic hose kit for installation (131-2-0001) and (2) 43T39222 adapter fittings are required connection to transmission ports and are sold separately. Transmission fittings are included with "S" option.
6 The Muncie SPD-1001 Series speed control is available for use with CS Series PTOs only. It is recommended for PTO and equipment protection from overspeeding.
7 Interference with the Mitsubishi electrical connector on models prior to 1999 require and the use of an adapter to mount PTO. Limited direct mount pump clearance. Use "T" or "Q" SAE "A" mounting only.
8 The CS6B option includes the required metric stud kit, 20TK5169.
9 Use adapter 40TI8410-2 to change rotation of CS PTO. Change CS6B to CS6S to include standard stud kit.
10 FA6B can be used on left side only. "H" shift option includes activation hoses and fitting and wire harness. Change to "B" shift option for Isuzu with in cab PTO switch option.

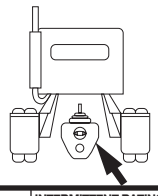
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

AISIN TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
69T 8.46P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 2135 RPM **RPM:** 1,000



AS68RC
Footnotes (1, 2, 3, 6, 7, & 8)
This opening Dodge 2007 - 2012
Sterling Bullet 2008 & 2009

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT	CS6B-I8403-B1SP	4, 5, 6	Crnk	68					Included	Power	202	38
	CS6B-I8404-B1SP	4, 5, 6	Crnk	88					Included	Power	151	29
	CS6B-I8405-B1SP	4, 5, 6	Crnk	96					Included	Power	141	27
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		Use of adapter not recommended due to frame clearance.	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 8)
- **ASSEMBLY ARRANGEMENT** (see page 8)
- **OUTPUT SHAFT** (see page 8)
- **SPECIAL OPTIONS** (see page 8)

EX: CS 6B - M65 07 - E 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Torque ratings limited by transmission gear rating. (137 lb.ft.)
2 TG Series not shown due to possible internal interference.
3 Drive gear is torque converter driven and output shaft speed will vary due to converter slippage.
4 The “B” shift option includes the remote mounted control valve and hydraulic hoses and (2) 43T39222 adapter fittings which are required for connection to the transmission ports as well as the wiring harness kit 34TK4921.
5 Connection to the Dodge ECU is required for PTO operation. 34TK4921 included in “B” shift option or purchase separately. Dodge or sterling bullet chassis require PTO prep package (Option code LBN) and is only available at time of order of chassis from Dodge.
6 Limited direct mount pump clearance. Use “T” output with PF Series hydraulic pump or “S” output with PKS Series hydraulic pump. Driveline application cannot be used due to interference with the DPF.
7 The CS6B option includes the required metric stud kit, 20TK5169.
8 PTO ratios over 05 have internal interference with transmission case.

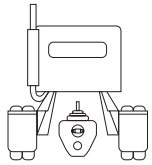
AISIN TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



AS68RC

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		40TI8410-2	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

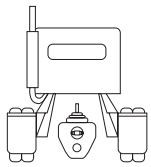
EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

AISIN TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



SAE 6-BOLT OPENING

ISUZU AISIN A460 (ECO MAX), HINO A860E

PTO DRIVE GEAR DATA:
63T 8.46P 20 PA Spur
LOCATION: Front **PLMF:** 1.122
PLV: 1,950 **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

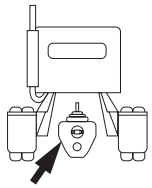
AISIN TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ISUZU AISIN A460 (ECO MAX) , HINO A860E
Footnotes (1 & 3)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
63T 8.46P 20 PA Spur
LOCATION: Front **PLMF:** 1.122
PLV: 1,950 **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT	FA6B-I8406-H3BX		Opp	125					Included	Power	86	16
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION									REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 9)
- **ASSEMBLY ARRANGEMENT** (see page 9)
- **OUTPUT SHAFT** (see page 9)
- **SPECIAL OPTIONS** (see page 9)

EX: FA 6B - I 84 06 H - 3 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Torque rating limited by gear rating. (144 lb.ft.)
2 This transmission has torque converter lock-up when in PTO mode and engine speed above 1,200 RPM.
3 FA6B can be used on left side only. “H” shift option includes activation hoses and fitting and wire harness. Change to “B” shift option for Isuzu with in cab PTO switch option. “B” shift option for 2012 model year and later only.

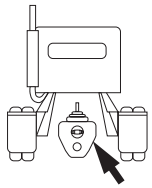
AISIN TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

AS69RC, A467
DODGE RAM TRUCK 2013 & LATER (DIESEL)
(Order Code LBN for PTO Option)
Footnotes (1, 2, 3, 6, 7, & 8)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
69T 8.46P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 2135 FPM **RPM:** 1,000



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT	CS6B-I8403-G1SP	4, 5	Crnk	69					Included	Power	250	48
	CS6B-I8404-G1SP	4, 5	Crnk	88					Included	Power	250	48
	CS6B-I8405-G1SP	4, 5	Crnk	96					Included	Power	250	48
	CS6B-I8407-G1SP	4, 5	Crnk	141					Included	Power	160	30
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MODEL BREAK DOWN

EX: CS 6B - M65 07 - E 1 B X

- CS 6B — **PTO SERIES & HOUSING DESIGNATOR**
- M65 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- E — **SHIFT OPTIONS** (see page 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 8)
- B — **OUTPUT SHAFT** (see page 8)
- X — **SPECIAL OPTIONS** (see page 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Torque ratings are based on the transmission gear rating of 250 lb.ft.
2 TG Series not shown due to possible internal interference.
3 Drive gear is torque converter driven and output shaft speed will vary due to converter slippage. Converter has a PTO lockup function and it is activated by the connection to the vehicle drive control module.
4 "G" shift option is for drop-in solenoid, hose kit and wire harness. Use "D" shift option for remote mounted control valve, wiring harness, hoses, and (2) 43T39222 adapter fitting and (1) 43T36445 elbow fitting which are required for the connection to the transmission ports.
5 Connection to the Ram Truck ECU is required for PTO operation. Ram Truck chassis require PTO prep package (Option Code LBN) and is only available at time of order of chassis from Ram Truck.
6 Driveline application cannot be used due to interference with DPF.
7 The CS6B option includes the required metric stud kit, 20TK5169.
8 Hydraulic pumps PKS Series recommended. PK Series tandem pumps up to 17-17 GPM have been installed.

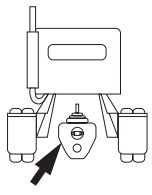
AISIN TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

AS69RC, A467
DODGE RAM TRUCK 2013 & LATER
4X2 CHASSIS ONLY (Order Code LBV for PTO Option)
Footnotes (1, 2, 4, & 5)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
69T 8.46P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 2135 FPM **RPM:** 1,000



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES	FA6B-I8406-D3BX	3	Opp	137					Included	Power	124	24
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 9)
- **ASSEMBLY ARRANGEMENT** (see page 9)
- **OUTPUT SHAFT** (see page 9)
- **SPECIAL OPTIONS** (see page 9)

EX: FA 6B - I84 06 H - 3 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

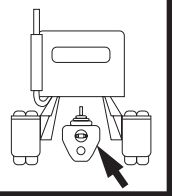
1. The left side opening is a special order from Ram Truck, order code LBV. The right side opening cannot be used if left side opening is ordered. The 4x4 driveline interferes with this PTO and the option cannot be ordered.
2. Drive gear is torque converter driven. Requires RAM wiring connection and engine speeds at 1,200 RPM to initiate converter lock-up.
3. The FA6B Series is the only series available for clearance to the floorboard.
4. The Muncie SPD-2000 speed control is available for use with the FA Series PTO. It is recommended for equipment protection from overspeeding.
5. There is direct mount pump clearance for SAE-A flange mounted pumps only. The PK Series pump can be mounted using 2A or 16A mount option (FA6B Q or T.) The SAE-B flange interferes with the transmission shift cable.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

AISIN TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



AS66RC RAM TRUCK 2014 & LATER WITH 6.4L HEMI GAS ENGINE (RAM Order Code LBN for PTO Option)

Footnotes (1, 2, 3, 5, 6, 7, 8, & 9)

PTO DRIVE GEAR DATA:
69T 8.46P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 2135 FPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT	CS6B-I8403-G1SP	4, 5, 9	Crnk	69					Included	Power	250	48
	CS6B-I8404-G1SP	4, 5, 9	Crnk	88					Included	Power	250	48
	CS6B-I8405-G1SP	4, 5, 9	Crnk	96					Included	Power	250	48
	CS6B-I8407-G1SP	4, 5, 9	Crnk	141					Included	Power	160	30
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: CS 6B - M65 07 - E 1 B X

- CS 6B — **PTO SERIES & HOUSING DESIGNATOR**
- M65 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- E — **SHIFT OPTIONS** (see page 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 8)
- B — **OUTPUT SHAFT** (see page 8)
- X — **SPECIAL OPTIONS** (see page 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Torque ratings are based on the transmission gear rating.
2 TG Series not shown due to possible internal interference.
3 Drive gear is torque converter driven and output shaft speed will vary due to converter slippage. Converter has a PTO lockup function and it is activated by the connection to the vehicle drive control module.
4 The "G" shift option includes a drop in control valve and hydraulic hoses and (2) 43T39222 adapter fittings & (1) 43T36445 elbow fitting which are required for connection to the transmission ports as well as the wiring harness kit (34T43408).
5 Connection to the Ram Truck ECU is required for PTO operation. Ram Truck chassis require PTO prep package (Option Code LBN) and is only available at time of order of chassis from Ram Truck.
6 Driveline application cannot be used due to interference with DPF.
7 The CS6B option includes the required metric stud kit, 20TK5169.
8 Hydraulic pumps PKS Series recommended. PK Series tandem pumps up to 17-17 GPM have been installed.
9 The "G" shift option includes a heat shield P/N 49T60070, that is mounted to the rear cover of the PTO. This shield is designed to protect the solenoid valve from heat generated by the truck exhaust system.

AISIN TRANSMISSION

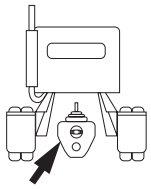
LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

AS66RC RAM TRUCK 2014 & LATER WITH 6.4L HEMI GAS ENGINE 4X2 CHASSIS ONLY (RAM Order Code LBV for PTO Option)

Footnotes (1, 2, 3, & 5)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
69T 8.46P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 2135 FPM **RPM:** 1,000



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT	FA6B-I8406-D3BX	3	Opp	137					Included	Power	124	24
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 9)
- **ASSEMBLY ARRANGEMENT** (see page 9)
- **OUTPUT SHAFT** (see page 9)
- **SPECIAL OPTIONS** (see page 9)

EX: FA 6B - I84 06 H - 3 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

FOOTNOTES:

1 The left side opening is a special order from Ram Truck, order code LBV. The right side opening cannot be used if left side opening is ordered. The 4x4 driveline interferes with this PTO and the option cannot be ordered.
2 Drive gear is torque converter driven. Requires RAM wiring connection and engine speeds at 1,200 RPM to initiate converter lock-up.
3 The FA6B Series is the only series available for clearance to the floorboard.
4 The Muncie SPD-2000 speed control is available for use with the FA Series PTO. It is recommended for equipment protection from overspeeding.
5 There is direct mount pump clearance for SAE-A flange mounted pumps only. The PK Series pump can be mounted using 2A or 16A mount option (FA6B “Q” or “T”). The SAE-B flange interferes with the transmission shift cable.

AISIN TRANSMISSION

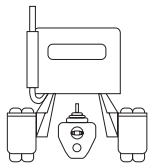
RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

MY-600, MO36A6, A45X2, A465, A465id, A465HD
Mitsubishi, 2005 & later
Isuzu 2008 & later
Hino 2018 & later

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

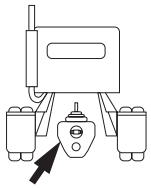
AISIN TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

MY-600, MO36A6, A45X2, A465, A465id, A465HD
Footnote (1, 3, 9, 12)
This opening - Mitsubishi, 2005 & later
Isuzu 2008 & later, Hino 2018 & later
Footnotes (13, 14, & 15)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
69T 8.46P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 2135 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-I8404-C3BP	2, 4	Opp	73			40TI8410-2		Included	Cable	185	35
	TG6S-I8405-C3BP	2, 4	Opp	95			40TI8410-2		Included	Cable	141	27
	TG6S-I8406-C3BP	2, 4	Opp	124			40TI8410-2		Included	Cable	109	21
	TG6S-I8407-C3BP	2, 4	Opp	147			40TI8410-2		Included	Cable	92	18
	TG6S-I8408-C3BP	2, 4	Opp	178			40TI8410-2		Included	Cable	75	14
	TG6S-I8409-C3BP	2, 4	Opp	187			40TI8410-2		Included	Cable	72	14
SH SERIES												
CLUTCH SHIFT	CS6B-I8403-S3BP	5, 6, 7, 8, 9	Crnk	68					Included	Power	202	38
	CS6B-I8404-S3BP	5, 6, 7, 8, 9	Crnk	88					Included	Power	151	29
	CS6B-I8405-S3BP	5, 6, 7, 8, 9	Crnk	96					Included	Power	141	27
	CS6S-I8407-S3BP	4, 5, 6, 7, 8, 9	Opp	141			40TI8410-2		Included	Power	95	18
	FA6B-I8406-H3BX	10	Opp	137					Included	Power	79	15
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		11	40TI8410-2						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG — **PTO SERIES & HOUSING DESIGNATOR**
- 6S — **GEAR PITCH**
- U68 — **INTERNAL RATIO**
- 07 — **SHIFT OPTIONS** (see pages 6 & 8)
- C — **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- 1 — **OUTPUT SHAFT** (see pages 6 & 8)
- B — **SPECIAL OPTIONS** (see pages 6 & 8)
- X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1. Torque ratings limited by transmission gear rating.
2. TG Series Input Gear: #03T37328 — Refer to kit program on pages 27-29. Requires (1) 43T37557 & (1) 43T35867 adapter for pressure lubrication connection (sold separately).
3. Drive gear is torque converter driven and output shaft speed will vary due to converter slippage.
4. PTO requires the use of adapter to mount PTO. Metric stud kit 20TK4074 and (2) spacers 23M60032S are required (one spacer on each side of adapter and are included with adapter. Standard "S" mounting option is specified when used with this adapter.
5. The "S" shift option includes the fittings and hose for activation. Using the "H" shift option requires Hydraulic hose kit for installation (131-2-0001) and (2) 43T37557 adapter fittings & (1) 43T35867 adapter fitting are required connection to transmission ports and are sold separately. Transmission fittings are included with "S" option.
6. The Muncie SPD-2000 Series speed control is available for use with CS Series PTOs only. It is recommended for PTO and equipment protection from overspeeding.
7. Limited direct mount pump clearance. Use "T" Hyd. option with PF4 pump or "S" Hyd. option with PKS pump. Transmission speedometer sensor can be rotated for installation clearance.
8. The CS6B option includes the required metric stud kit, 20TK5169.
9. CS6 ratios over 05 ratio have internal transmission interference PTO ratio gear, unless adapter can be used.
10. FA6B can be used on left side only. "H" shift option includes activation hoses and fitting and wire harness. Change to "B" shift option for Isuzu with in cab PTO switch option.
11. Adapter can be used on CS Series to change rotation.
12. PTOs interfere on HINO 195 hybrid chassis prior to model year 2018.
13. CS6B PTO - For Isuzu, cab switches must be present for PTO operation. Use wire harness 34T42078 for integral solenoid units, or 34T42079 for remote mount solenoid units. PTO switches can be ordered from Isuzu.
14. CS6B - Hino chassis do not have special feature code "H", use "P" feature code.
15. A465id and A465HD PTO activation and lubrication ports are in different locations than A465. See installation instructions for details.

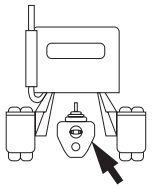
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

ALLISON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
55T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 2400 FPM **RPM:** 1,000



AT-540, AT-542, AT-543, AT-545, AT-1542, AT-1545
SERIAL #184557 & HIGHER
Footnotes (1, 8, & 10)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6004-C1BX	4, 5, 6, 7	Crnk	83					Included	Cable	285	54
	TG6S-U6005-C1BX	4, 5, 6, 7	Crnk	108					Included	Cable	270	51
	TG6S-U6006-C1BX	4, 5, 6, 7	Crnk	140					Included	Cable	245	47
SH SERIES	SH6S-U6005-E1BP	5, 6	Crnk	108					Included	Elec/Air	400	76
CLUTCH SHIFT	CS6S-U6003-H1BP	2, 3, 5, 6, 9	Crnk	76					Included	Power	350	67
	CS6S-U6004-H1BP	2, 3, 5, 6, 9	Crnk	99					Included	Power	300	57
	CS6S-U6005-H1BP	2, 3, 5, 6, 9	Crnk	108					Included	Power	300	57
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		40TU6855-1 Pressure lubrication required on PTO.	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

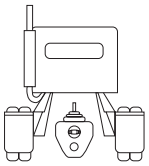
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Part 43TK5191 street tee required for pressure lubrication on Clutch Shift PTOs. This part must be ordered separately. Pressure lubrication is not required on TG Series PTOs but is available as an option upon request if needed to meet specifications.
2 If electric/hydraulic (H) shift option is chosen for the Clutch Shift PTO then 131-2-0001 installation kit is required for installation.
3 The SPD-1001 speed control is available for use with the Clutch Shift PTOs only. It is recommended for PTO and equipment protection from overspeeding.
4 TG Series Input Gear: #03T34285 — Refer to kit program on pages 27-29. Requires 13M13541 gasket included.
5 Allison Transmission Div. of General Motors has a PTO installation checklist available for this transmission. Refer to their *Sales Tech Data Book* which is available from an authorized service center.
6 Exhaust interference on Navistar 4700.
7 Optional: U60 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
8 Ford Super Duty F-650 and F-750 require the use of adapter 40TU6855-1 to clear framerail. Change PTO model to 3 assembly and include the pressure lubrication "P" special feature.
9 Interference to the end cover of the CS can be minimized by the use of the CS6G housing option. The option is only available with the "B" or "K" output shaft option.
10 PTO speeds shown are with transmission torque converter in lock-up. Consult Muncie Power for low engine speed and/or high torque applications.

ALLISON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



AT-540, AT-542, AT-543, AT-545,
AT-1542, AT-1545
Serial #184557 & higher

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

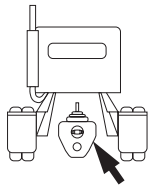
FOOTNOTES:

ALLISON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
64T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 2793 FPM **RPM:** 1,000



MT-640, MT-643, MT-644, MT-644CR, MT-647, MT-648, MT-650, MT-653, MT-653DR, MT-654CR

Serial #122765 & higher
Footnotes (1, 6, & 9)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6004-C3BX TG6S-U6005-C3BX	4, 5, 7 4, 5, 7	Crnk Crnk	96 125					Included Included	Cable Cable	285 270	54 51
SH SERIES	SH6S-U6005-E3BP	5	Crnk	126					Included	Elec/Air	400	76
CLUTCH SHIFT	CS6S-U6003-H3BP CS6S-U6004-H3BP CS6S-U6005-H3BP	2, 3, 5, 8 2, 3, 5, 8 2, 3, 5, 8	Crnk Crnk Crnk	88 115 126					Included Included Included	Power Power Power	350 300 300	67 57 57
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		10	40TU6855-1 Pressure lubrication required on PTO.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1. Part 43M78970 street tee required for pressure lubrication on Clutch Shift PTOs. This part must be ordered separately. Pressure lubrication is not required on TG Series PTOs but is available as an option upon request if needed to meet specifications.
2. If electric/hydraulic (H) shift option is chosen for the Clutch Shift PTO then 131-2-0001 installation kit is required for installation.
3. The SPD-1001 speed control is available for use with Clutch Shift PTOs only. It is recommended for PTO and equipment protection from overspeeding.
4. TG Series Input Gear: #03T34285 — Refer to kit program on pages 27 & 28. Requires 13M13541 gasket included.
5. Allison Transmission Div. of General Motors has a PTO installation checklist available for this transmission. Refer to their *Sales Tech Data Book* which is available from an authorized service center.
6. PTO interferes with frame rail on Ford with FD Series diesel engine. Check Ford Service Bulletin 94-16.
7. U60 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
8. Interference to the end cover of the CS can be minimized by the use of the CS6G housing option. This option is only available with the “B” or “K” output shaft option.
9. PTO speeds shown are with transmission torque converter in lock-up. Consult Muncie Power for low engine speed and/or high torque applications. PTOs shown are with the output shaft above center for improved clearance on majority of installations.

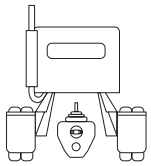
ALLISON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

MT-640, MT-643, MT-644, MT-644CR, MT-647, MT-648, MT-650, MT-653, MT-653DR, MT-654CR
Serial #122765 & higher

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

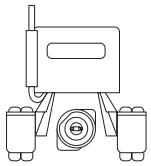
EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

ALLISON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



HT-740, HT-740D, HT-740DT, HT-740FS, HT-740FTS,
HT-740RS, HT-741, HT-745, HT-747, HT-748
CLT-750, CLBT-750, HT-750CRD, HT-750DR, HT-750DRD,
HT-754CR, HT-754CRD, HT-755CR, HT-755DR
Serial #32404 & higher

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION									REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

NO PTO OPENING - SEE OTHER SIDE

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS
ASSEMBLY ARRANGEMENT
OUTPUT SHAFT
SPECIAL OPTIONS

EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

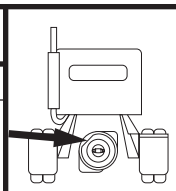
ALLISON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

HT-740, HT-740D, HT-740DT, HT-740FS, HT-740FTS, HT-740RS, HT-741, HT-745, HT-747, HT-748 CLT-750, CLBT-750, HT-750CRD, HT-750DR, HT-750DRD, HT-754CR, HT-754CRD, HT-755CR, HT-755DR
Serial #32404 & higher
Footnote (6)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
78T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 3403 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6004-C3BX	1, 4, 5	Crnk	117					Included	Cable	285	54
	TG6S-U6005-C3BX	1, 4, 5	Crnk	153					Included	Cable	270	51
SH SERIES	SH6S-U6005-E3BP	1	Crnk	154					Included	Elec/Air	400	76
CLUTCH SHIFT	CS6S-U6003-H3BP	1, 2, 3	Crnk	108					Included	Power	350	67
	CS6S-U6004-H3BP	1, 2, 3	Crnk	141					Included	Power	300	57
	CS6S-U6005-H3BP	1, 2, 3	Crnk	154					Included	Power	300	57
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

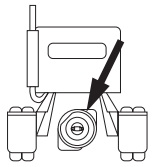
1 Part 43M78897 street tee required for pressure lubrication on Clutch Shift PTOs. This part must be ordered separately. Pressure lubrication is not required on TG Series PTOs but is available as an option upon request if needed to meet specifications.
2 If electric/hydraulic (H) shift option is chosen for the Clutch Shift PTO 131-2-0001 installation kit is required for installation.
3 The SPD-1001 speed control is available for use with Clutch Shift PTOs only. It is recommended for PTO and equipment protection from overspeeding.
4 TG Series Input Gear: #03T34285 — Refer to kit program on pages 27-29.
5 Optional: U60 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
6 PTO speeds shown are with transmission torque converter in lock-up. Consult Muncie Power for low engine speed and/or high torque applications. The PTO aperture is located at 10 o'clock when viewed from the rear of the transmission.

ALLISON TRANSMISSION

TOP OPENING ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
40T 6P 25° PA Spur
LOCATION: Rear **PLMF:** .810
PLV: 2356 FPM **RPM:** 1,350



HT-740, HT-740D, HT-740DT, HT-740FS, HT-740FTS, HT-740RS, HT-741, HT-745, HT-747, HT-748, CLT-750, CLBT-750, HT-750CRD, HT-750DR, HT-750DRD, HT-754CR, HT-754CRD, HT-755CR, HT-755DR
Footnotes (1 & 2)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6204-M2BP	3	Opp	81					Included	Cable	285	54
	TG8S-U6205-M2BP	3	Opp	106					Included	Cable	270	51
	TG8S-U6206-M2BP	3	Opp	138					Included	Cable	245	47
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6205-M2CP		Opp	75					Included	Lever	500	95
	828S-U6208-M2CP		Opp	119					Included	Lever	450	85
	828S-U6210-M2CP		Opp	159					Included	Lever	410	78
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, & 11)
- **OUTPUT SHAFT** (see pages 6, & 11)
- **SPECIAL OPTIONS** (see pages 6, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 These are engine driven PTO's. The PTO drive gears and pad must be specially ordered. The engine must shut off to engage or disengage mechanical shift PTOs. Constant mesh shift option "M" is shown for this application.
2 Part 43M78897 street tee required for pressure lubrication. This part must be ordered separately.
3 TG Series Input Gear: #03T39495 — Refer to kit program on pages 27-29.

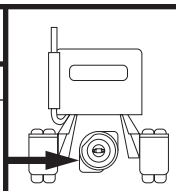
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

ALLISON TRANSMISSION

LEFT SIDE ONLY
(TOP OPENING TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
64T 6P 25° PA Spur
LOCATION: Rear **PLMF:** .810
PLV: 2356 FPM **RPM:** 844



HT-740, HT-740D, HT-740DT, HT-740FS, HT-740FTS, HT-740RS, HT-741, HT-745, HT-747, HT-748 CLT-750, CLBT-750, HT-750CRD, HT-750DR, HT-750DRD, HT-754CR, HT-754CRD, HT-755CR, HT-755DR
Footnotes (1 & 2)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6204-M2BP	3	Opp	81					Included	Cable	285	54
	TG8S-U6205-M2BP	3	Opp	106					Included	Cable	270	51
	TG8S-U6206-M2BP	3	Opp	138					Included	Cable	245	47
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6205-M2CP		Opp	75					Included	Lever	500	95
	828S-U6208-M2CP		Opp	119					Included	Lever	450	85
	828S-U6210-M2CP		Opp	159					Included	Lever	410	78
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, & 11)
- **OUTPUT SHAFT** (see pages 6, & 11)
- **SPECIAL OPTIONS** (see pages 6, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

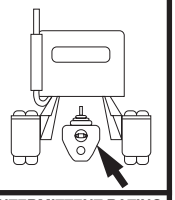
1 These are engine driven PTO's. The PTO drive gears and pad must be specially ordered. The engine must shut off to engage or disengage mechanical shift PTOs. Constant mesh shift option "M" is shown for this application.
2 Part 43M78897 street tee required for pressure lubrication. This part must be ordered separately.
3 TG Series Input Gear: #03T39495 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ALLISON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



3000*** SERIES
*** (EVS, RDS, SPS) (MHS, BUS, TRV Optional)
MD-3000 Series with PTO Opening
Footnotes (1, 2, 4, 5, & 6)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
68T 10.16P LH
LOCATION: FRONT **PLMF:** 1.775
PLV: 1,856 FPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO TORQUE	CONTINUOUS RATING @ 1,000 RPM of PTO HP	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
CONST. DRIVE MULTI GEAR								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A30-A1005-MX1X4PX	10	Crnk	74	Included	None	See ALLI-5X	400	77	N/A	N/A
	A30-A1006-MX1X4PX	10	Crnk	85	Included	None	See ALLI-5X	400	77	N/A	N/A
	A30-A1007-MX1X4PX	10	Crnk	99	Included	None	See ALLI-5X	415	79	N/A	N/A
	A30-A1008-MX1X4PX	10	Crnk	114	Included	None	See ALLI-5X	360	69	N/A	N/A
	A30-A1009-MX1X4PX	10	Crnk	122	Included	None	See ALLI-5X	340	65	N/A	N/A
	A30-A1010-MX1X4PX	10	Crnk	131	Included	None	See ALLI-5X	310	59	N/A	N/A
	A30-A1011-MX1X4PX	10	Crnk	151	Included	None	See ALLI-5X	275	52	N/A	N/A
	A30-A1012-MX1X4PX	10	Crnk	162	Included	None	See ALLI-5X	265	50	N/A	N/A
	A30-A1015-MX1X4PX	10	Crnk	201	Included	None	See ALLI-5X	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A20-A1005-HX1X4PX	7, 9, 10, 11	Crnk	74	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1006-HX1X4PX	7, 9, 10, 11	Crnk	85	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1007-HX1X4PX	7, 9, 10, 11	Crnk	99	Included	Power	See ALLI-5X	415	79	N/A	N/A
	A20-A1008-HX1X4PX	7, 9, 10, 11	Crnk	114	Included	Power	See ALLI-5X	360	69	N/A	N/A
	A20-A1009-HX1X4PX	7, 9, 10, 11	Crnk	122	Included	Power	See ALLI-5X	340	65	N/A	N/A
	A20-A1010-HX1X4PX	7, 9, 10, 11	Crnk	131	Included	Power	See ALLI-5X	310	59	N/A	N/A
	A20-A1011-HX1X4PX	7, 9, 10, 11	Crnk	151	Included	Power	See ALLI-5X	275	52	N/A	N/A
	A20-A1012-HX1X4PX	7, 9, 10, 11	Crnk	162	Included	Power	See ALLI-5X	265	50	N/A	N/A
	A20-A1015-HX1X4PX	7, 9, 10, 11	Crnk	201	Included	Power	See ALLI-5X	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR HEAVY DUTY	CS10-A1005-H1CX	7, 9	Crnk	78	Included	Power	See ALLI-5X	350	67	500	95
	CS10-A1006-H1CX	7, 9	Crnk	88	Included	Power	See ALLI-5X	336	64	480	91
	CS10-A1007-H1CX	7, 9	Crnk	98	Included	Power	See ALLI-5X	315	61	450	86
	CS10-A1008-H1CX	7, 9	Crnk	116	Included	Power	See ALLI-5X	294	56	420	80
	CS10-A1010-H1CX	7, 9	Crnk	129	Included	Power	See ALLI-5X	270	52	385	73
	CS41-A1007-H1CX	3, 7, 9, 11	Crnk	100	Included	Power	None	420	80	484	92
	CS41-A1010-H1CX	3, 7, 9, 11	Crnk	144	Included	Power	None	336	64	336	64
	CS41-A1012-H1CX	3, 7, 9, 11	Crnk	163	Included	Power	None	298	57	298	57
OPTIONAL REDUCTION GEARBOX	GB1B-205-125A	8	Opp	See Footnote 8				140	26	200	37
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

EX: A20 - A10 10 - HX 1 X4 PX

- **PTO SERIES & DESIGN DESIGNATOR** (A20)
- **GEAR PITCH** (A10)
- **INTERNAL RATIO** (10)
- **SHIFT OPTIONS** (HX 1) (see pages 12, 13, 14, & 15)
- **ASSEMBLY ARRANGEMENT** (X4) (see pages 12, 13, 14, & 15)
- **OUTPUT SHAFT** (PX) (see pages 12, 13, 14, & 15)
- **SPECIAL OPTIONS** ((see pages 12, 13, 14, & 15)

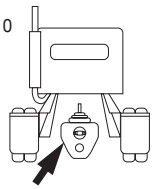
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO shown with assembly arrangement with output shaft low and to the rear. The shaft high assembly can be used in chassis with interference with the PTO shown. Direct mount pump applications may have clearance depending on the type of pump used. The shaft high assembly of the PTO may also allow direct mount pump installations. Due to the numerous chassis and engine combinations it is not possible to note all the information here.
2 Standard option "X4" (A20/A30) or "C" (CS10/41) 1410 companion flange outputs shown. Light-duty applications can use the "1X" or "B" output option which will reduce available PTO output torque to 210 lb.ft.
3 The torque rating of this PTO is based on the Allison drive rating (for single PTO) of 485 lb.ft. continuous rating and is shown on this page. Refer to the *Allison Tech Data Book* for more information. The CS41 PTO ratings are found on page 15 with continuous ratings for Fire Pump applications to be calculated as shown on page 3. Ratings above the transmission rating are not approved. Based on the PTO rating shown on page 15, the CS41-A1007 is rated to 485 lb.ft. intermittent and 420 lb.ft. continuous when used on this transmission. The CS41-A1010 is rated to 336 lb.ft. continuous and intermittent and the CS41-A1012 is 298 lb.ft. continuous and intermittent.
4 Connection to Allison "PTO enable" circuit must be made when PTO is engaged. Contact dealer for connection type and location.
5 INTERNATIONAL® Trucks has a shift option code 60ABE which provides a PTO cab switch and connections for the Clutch Shift PTO.
6 The 3700 Series transmission PTOs fit the left side opening only. Use application page ALLI-11.
7 Interference to end cover can be minimized by use of remote mount solenoid option. This is specified by ordering the CS11 or CS41 housing option in place of CS10 or CS40, or by using the HR shift code (A20 PTO only).
8 Optional Speed Reduction Gearbox. Reduces PTO Speeds shown by 50%. PTO shaft (1¼" Round, 5/16" Key) rotation changes to Opposite of Engine. PTO output "-HX1BBPW" required.
9 CS10, CS41 and A20 PTOs in Fire Pump applications are approved to 4,000 RPM PTO output shaft speed.
10 A20 and A30 PTOs have a single continuous/intermittent torque rating.
11 PTO available with Muncie Start®; SX shift code on A20 PTO, 6 special feature on CS40 PTO.

ALLISON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



3000*** SERIES
*** (EVS, RDS, SPS) (MHS, BUS, TRV Optional)
MD3000 Series with PTO Opening
Footnotes (1, 2, 4, 5, & 6)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
68T 10.16P L.H.
LOCATION: Front **PLMF:** 1.775
PLV: 1,856 FPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO		INTERMITTENT RATING @ 1,000 RPM of PTO	
								TORQUE	HP	TORQUE	HP
CONST. DRIVE MULTI GEAR											
								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A30-A1005-MX3X4PX	10	Crnk	74	Included	None	See ALLI-5X	400	77	N/A	N/A
	A30-A1006-MX3X4PX	10	Crnk	85	Included	None	See ALLI-5X	400	77	N/A	N/A
	A30-A1007-MX3X4PX	10	Crnk	99	Included	None	See ALLI-5X	415	79	N/A	N/A
	A30-A1008-MX3X4PX	10	Crnk	114	Included	None	See ALLI-5X	360	69	N/A	N/A
	A30-A1009-MX3X4PX	10	Crnk	122	Included	None	See ALLI-5X	340	65	N/A	N/A
	A30-A1010-MX3X4PX	10	Crnk	131	Included	None	See ALLI-5X	310	59	N/A	N/A
	A30-A1011-MX3X4PX	10	Crnk	151	Included	None	See ALLI-5X	275	52	N/A	N/A
	A30-A1012-MX3X4PX	10	Crnk	162	Included	None	See ALLI-5X	265	50	N/A	N/A
	A30-A1015-MX3X4PX	10	Crnk	201	Included	None	See ALLI-5X	205	39	N/A	N/A
								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A20-A1005-HX3X4PX	7, 9, 10, 11	Crnk	74	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1006-HX3X4PX	7, 9, 10, 11	Crnk	85	Included	Power	See ALLI-5X	400	77	N/A	N/A
CLUTCH SHIFT MULTI GEAR	A20-A1007-HX3X4PX	7, 9, 10, 11	Crnk	99	Included	Power	See ALLI-5X	415	79	N/A	N/A
	A20-A1008-HX3X4PX	7, 9, 10, 11	Crnk	114	Included	Power	See ALLI-5X	360	69	N/A	N/A
	A20-A1009-HX3X4PX	7, 9, 10, 11	Crnk	122	Included	Power	See ALLI-5X	340	65	N/A	N/A
	A20-A1010-HX3X4PX	7, 9, 10, 11	Crnk	131	Included	Power	See ALLI-5X	310	59	N/A	N/A
	A20-A1011-HX3X4PX	7, 9, 10, 11	Crnk	151	Included	Power	See ALLI-5X	275	52	N/A	N/A
	A20-A1012-HX3X4PX	7, 9, 10, 11	Crnk	162	Included	Power	See ALLI-5X	265	50	N/A	N/A
	A20-A1015-HX3X4PX	7, 9, 10, 11	Crnk	201	Included	Power	See ALLI-5X	205	39	N/A	N/A
	CS10-A1005-H3CX	7, 9	Crnk	78	Included	Power	See ALLI-5X	350	67	500	95
	CS10-A1006-H3CX	7, 9	Crnk	88	Included	Power	See ALLI-5X	336	64	480	91
CLUTCH SHIFT MULTI GEAR HEAVY DUTY	CS10-A1007-H3CX	7, 9	Crnk	98	Included	Power	See ALLI-5X	315	61	450	86
	CS10-A1008-H3CX	7, 9	Crnk	116	Included	Power	See ALLI-5X	294	56	420	80
	CS10-A1010-H3CX	7, 9	Crnk	129	Included	Power	See ALLI-5X	270	52	385	73
	CS41-A1007-H3CX	3, 7, 9. 11	Crnk	100	Included	Power	See ALLI-5X	420	80	484	92
	CS41-A1010-H3CX	3, 7, 9, 11	Crnk	144	Included	Power	See ALLI-5X	336	64	336	64
	CS41-A1012-H3CX	3, 7, 9, 11	Crnk	163	Included	Power	See ALLI-5X	298	57	298	57
OPTIONAL REDUCTION GEARBOX	GB1B-205-125A	8	Opp	See Footnote 8				140	26	200	37
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

PTO SERIES & DESIGN DESIGNATOR — A20
GEAR PITCH — A10
INTERNAL RATIO — 10
SHIFT OPTIONS (see pages 12, 13, 14, & 15) — HX 1
ASSEMBLY ARRANGEMENT (see pages 12, 13, 14, & 15) — X4
OUTPUT SHAFT (see pages 12, 13, 14, & 15) — PX
SPECIAL OPTIONS ((see pages 12, 13, 14, & 15)

EX: A20 - A10 10 - HX 1 X4 PX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO shown with assembly arrangement with output shaft low and to the rear. The shaft high assembly can be used in chassis with interference with the PTO shown. Direct mount pump applications may have clearance depending on the type of pump used. The shaft high assembly of the PTO may also allow direct mount pump installations. Due to the numerous chassis and engine combinations it is not possible to note all the information here.
2 Standard option "X4" (A20/A30) or "C" (CS10/41) 1410 companion flange outputs shown. Light-duty applications can use the "1X" or "B" output option which will reduce available PTO output torque to 210 lb.ft.
3 The torque rating of this PTO is based on the Allison drive rating (for single PTO) of 485 lb.ft. continuous rating and is shown on this page. Refer to the *Allison Tech Data Book* for more information. The CS41 PTO ratings are found on page 15 with continuous ratings for Fire Pump applications to be calculated as shown on page 3. Ratings above the transmission rating are not approved. Based on the PTO rating shown on page 15, the CS41-A1007 is rated to 485 lb.ft. intermittent and 420 lb.ft. continuous when used on this transmission. The CS41-A1010 is rated to 336 lb.ft. continuous and intermittent and the CS41-A1012 is 298 lb.ft. continuous and intermittent.
4 Connection to Allison "PTO enable" circuit must be made when PTO is engaged. Contact dealer for connection type and location.
5 INTERNATIONAL® Trucks has a shift option code 60ABE which provides a PTO cab switch and connections for the Clutch Shift PTO.
6 The 3700 Series transmission, PTOs fit the left side opening only. Use application page ALLI-11.
7 Interference to end cover can be minimized by use of remote mount solenoid option. This is specified by ordering the CS11 or CS41 housing option in place of CS10 or CS40, or by using the HR shift code (A20 only).
8 Optional Speed Reduction Gearbox. Reduces PTO Speeds shown by 50%. PTO shaft (1¼" Round, 5/16" Key) rotation changes to Opposite of Engine. PTO output "-HX1BBPW" required.
9 CS10, CS41 and A20 PTOs in Fire Pump applications are approved to 4,000 RPM PTO output shaft speed.
10 A20 and A30 PTOs have a single continuous/intermittent torque rating.
11 PTO available with Muncie Start®; SX shift code on A20 PTO, 6 special feature on CS40 PTO.

ALLISON TRANSMISSION

3000* SERIES**
MUNCIE PTO SHAFT EXTENSIONS
***** (EVS, RDS, SPS) (MHS, BUS, TRV OPTIONAL) MD-3050P, MD-3550P, MD-3060P, MD-3066P, MD-3560P, MD-3566P, MD-3070PT**
Footnotes (2 & 4)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
68T 10.16P L.H.
LOCATION: Front **PLMF:** 1.775
PLV: 1856 FPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

PTO SERIES	ALLISON 3000*** WITHOUT RETARDER OR COOLER	
	LEFT SIDE	RIGHT SIDE
A20 and A30	XSMC-A30XX-X3**XX A*0-A10**-**3CBPW	XSMC-A30XX-X1**XX A*0-A10**-**1CBPW
CS10	49TA***** (TURN PAGE)	NOT AVAILABLE
CS41	NOT AVAILABLE	NOT AVAILABLE
	ALLISON 3000* WITH RETARDER**	
	LEFT SIDE	RIGHT SIDE
A20 and A30	XSMC-A30XX-X3**RX A*0-A10**-**3CBPW	XSMC-A30XX-X1**RX A*0-A1-**-**1CBPW
CS10	XS10-A30XX-X3**RX CS10-A10**-H3VX	NOT AVAILABLE
CS41	XS41-A30XX-X3**RX CS41-A10**-M3VX	NOT AVAILABLE
	ALLISON 3000* WITH INTEGRAL COOLER**	
	LEFT SIDE	RIGHT SIDE
A20 and A30	XSMC-A30XX-X4**CX A*0-A10**-**5CBPW	XSMC-A30XX-X2**CX A*0-A10**-**5CBPW
CS10	NOT AVAILABLE	NOT AVAILABLE
CS41	NOT AVAILABLE	NOT AVAILABLE

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 49TA***** part numbers are choices for aluminum housing versions of shaft extension. These are shown on back of this page.
2 PTOs and shaft extensions for integral cooler applications must be mounted shaft high in order to clear cooler.
3 PTO and shaft extension sold separately.
4 No shaft extension option for Allison 3700 Series or Allison 3000 Series with top opening.
5 Table shows shaft extension part number on top, with corresponding PTO listed below where applicable. Some combinations are not available, and are listed as such.
6 See Page ALLI-05 for PTO application details

ALLISON TRANSMISSION

3000* SERIES**
MUNCIE PTO SHAFT EXTENSIONS
***** (EVS, RDS, SPS) (MHS, BUS, TRV OPTIONAL) MD-3050P, MD-3550P, MD-3060P, MD-3066P, MD-3560P, MD-3566P, MD-3070PT**
Footnotes (2 & 4)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
68T 10.16P L.H.
LOCATION: Front **PLMF:** 1.775
PLV: 1856 FPM **RPM:** 1,000

PTO SERIES	OUTPUT	ALLISON 3000*** WITHOUT RETARDER OR COOLER	
		LEFT SIDE	RIGHT SIDE
CS10	SAE BB	49TA5448A CS10-A10**-H3VX	NOT AVAILABLE
	SAE C	49TA5449A CS10-A10**-H3VX	NOT AVAILABLE

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

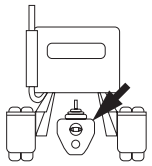
FOOTNOTES:

1 PTO and shaft extension sold separately.
2 No shaft extension option for Allison 3700 Series or Allison 3000 Series with top opening.
3 Table shows shaft extension part number on top, with corresponding PTO listed below. Some combinations are not available, and are listed as such. For transmissions with retarder or integral cooler, see front of this page.
5 See Page ALLI-05 for PTO application details.

ALLISON TRANSMISSION

TOP SIDE ONLY
(LEFT SIDE TURN PAGE)

ALLISON 10-BOLT OPENING



PTO DRIVE GEAR DATA:
97T 10.16P L.H.
LOCATION: Front **PLMF:** 1.775
PLV: 2,648 FPM **RPM:** 1,000

4000*** SERIES
*** (EVS, RDS, SPS) (MHS, BUS, TRV Optional)
HD-4060P, HD-4560P, HD-4070P
Footnotes (1, 2, 3, & 4)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO TORQUE	CONTINUOUS RATING @ 1,000 RPM of PTO HP	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
CONST. DRIVE MULTI GEAR								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A30-A1005-MX5X4BX	9, 11	Crnk	105	Included	None	See ALLI-6X	400	77	N/A	N/A
	A30-A1006-MX5X4BX	9, 11	Crnk	122	Included	None	See ALLI-6X	400	77	N/A	N/A
	A30-A1007-MX5X4BX	9, 11	Crnk	141	Included	None	See ALLI-6X	415	79	N/A	N/A
	A30-A1008-MX5X4BX	9, 11	Crnk	163	Included	None	See ALLI-6X	360	69	N/A	N/A
	A30-A1009-MX5X4BX	9, 11	Crnk	175	Included	None	See ALLI-6X	340	65	N/A	N/A
	A30-A1010-MX5X4BX	9, 11	Crnk	187	Included	None	See ALLI-6X	310	59	N/A	N/A
	A30-A1011-MX5X4BX	9, 11	Crnk	215	Included	None	See ALLI-6X	275	52	N/A	N/A
	A30-A1012-MX5X4BX	9, 11	Crnk	231	Included	None	See ALLI-6X	265	50	N/A	N/A
	A30-A1015-MX5X4BX	9, 11	Crnk	287	Included	None	See ALLI-6X	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A20-A1005-HX5X4BX	8, 9, 10, 11	Crnk	105	Included	Power	See ALLI-6X	400	77	N/A	N/A
	A20-A1006-HX5X4BX	8, 9, 10, 11	Crnk	122	Included	Power	See ALLI-6X	400	77	N/A	N/A
	A20-A1007-HX5X4BX	8, 9, 10, 11	Crnk	141	Included	Power	See ALLI-6X	415	79	N/A	N/A
	A20-A1008-HX5X4BX	8, 9, 10, 11	Crnk	163	Included	Power	See ALLI-6X	360	69	N/A	N/A
	A20-A1009-HX5X4BX	8, 9, 10, 11	Crnk	175	Included	Power	See ALLI-6X	340	65	N/A	N/A
	A20-A1010-HX5X4BX	8, 9, 10, 11	Crnk	187	Included	Power	See ALLI-6X	310	59	N/A	N/A
	A20-A1011-HX5X4BX	8, 9, 10, 11	Crnk	215	Included	Power	See ALLI-6X	275	52	N/A	N/A
	A20-A1012-HX5X4BX	8, 9, 10, 11	Crnk	231	Included	Power	See ALLI-6X	265	50	N/A	N/A
	A20-A1015-HX5X4BX	8, 9, 10, 11	Crnk	287	Included	Power	See ALLI-6X	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR HEAVY DUTY	CS10-A1005-H1CB	8	Crnk	111	Included	Power	None	350	67	500	95
	CS10-A1006-H1CB	8	Crnk	125	Included	Power	None	336	64	480	91
	CS10-A1007-H1CB	8	Crnk	139	Included	Power	None	315	61	450	86
	CS10-A1008-H1CB	5, 8	Crnk	164	Included	Power	None	292	56	417	79
	CS10-A1010-H1CB	5, 8	Crnk	184	Included	Power	None	261	50	372	71
	CS41-A1007-H1CB	5, 7, 8, 10	Crnk	144	Included	Power	None	429	82	479	91
	CS41-A1010-H1CB	5, 7, 8, 10	Crnk	206	Included	Power	None	332	63	332	63
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

- PTO SERIES & DESIGN DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO (see pages 12, 13, 14, & 15)
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT (see pages 12, 13, 14, & 15)
- OUTPUT SHAFT (see pages 12, 13, 14, & 15)
- SPECIAL OPTIONS ((see pages 12, 13, 14, & 15)

EX: A20 - A10 10 - HX 1 X4 PX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 This opening is at the 1 o'clock position and clearance of the vehicle cab varies with application.
2 Requires special lube kit included.
3 Internal clearance change in 2006. Transmissions built prior to 2006 are limited to PTO ratios "07" and below.
4 Standard output option "X4" (1410 companion flange) shown. Light-duty applications can use the "1X" option which will reduce available PTO output torque to 210 lb.ft.
5 The torque rating of this PTO is based on the Allison drive gear rating (for single PTO) of 685 lb.ft. continuous rating and is shown on this page. Refer to the *Allison Tech Data Book* for more information. The CS41 PTO ratings are found on pages 15 with continuous ratings for Fire Pump applications to be calculated as shown on page 3. Ratings above the transmission rating are not approved. The transmission rating means that PTO CS41-A1007 is rated to 479 lb.ft. intermittent and 429 lb.ft. continuous when used on this series of transmission. The CS41-A1010 is rated 332 lb.ft. intermittent and continuous.
6 Connection to Allison "PTO enable" circuit must be made when PTO is engaged. Contact dealer for connection type and location.
7 Check for CS41 PTO housing interference at transmission flange prior to tightening mounting cap screws. Clearance can be made by using a flat file to clear housing to transmission
8 A20, CS10 and CS41 PTOs in Fire Pump applications are approved to 4,000 RPM PTO output shaft speed.
9 A20 and A30 PTOs have a single continuous/intermittent torque rating.
10 PTO available with Muncie Start®; SX shift code on A20 PTO, 6 special feature on CS40 PTO.
11 A20/A30 PTOs 1 arrangement housing interferes with transmission. Use 5 arrangement housing.

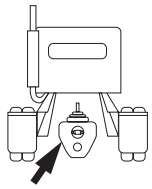
ALLISON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

4000*** SERIES
*** (EVS, RDS, SPS) (MHS, BUS, TRV Optional)
HD-4060P, HD-4560P, HD-4070P
Footnotes (1, 2, 3, & 5)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
97T 10.16P L.H.
LOCATION: Front **PLMF:** 1.775
PLV: 2,648 **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO TORQUE	CONTINUOUS RATING @ 1,000 RPM of PTO HP	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
CONST. DRIVE MULTI GEAR											
								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A30-A1005-MX3X4PX	9	Crnk	105	Included	None	See ALLI-6X	400	77	N/A	N/A
	A30-A1006-MX3X4PX	9	Crnk	122	Included	None	See ALLI-6X	400	77	N/A	N/A
	A30-A1007-MX3X4PX	9	Crnk	141	Included	None	See ALLI-6X	415	79	N/A	N/A
	A30-A1008-MX3X4PX	9	Crnk	163	Included	None	See ALLI-6X	360	69	N/A	N/A
	A30-A1009-MX3X4PX	9	Crnk	175	Included	None	See ALLI-6X	340	65	N/A	N/A
	A30-A1010-MX3X4PX	9	Crnk	187	Included	None	See ALLI-6X	310	59	N/A	N/A
	A30-A1011-MX3X4PX	9	Crnk	215	Included	None	See ALLI-6X	275	52	N/A	N/A
	A30-A1012-MX3X4PX	9	Crnk	231	Included	None	See ALLI-6X	265	50	N/A	N/A
	A30-A1015-MX3X4PX	9	Crnk	287	Included	None	See ALLI-6X	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A20-A1005-HX3X4PX	8, 9, 10	Crnk	105	Included	Power	See ALLI-6X	400	77	N/A	N/A
	A20-A1006-HX3X4PX	8, 9, 10	Crnk	122	Included	Power	See ALLI-6X	400	77	N/A	N/A
	A20-A1007-HX3X4PX	8, 9, 10	Crnk	141	Included	Power	See ALLI-6X	415	79	N/A	N/A
	A20-A1008-HX3X4PX	8, 9, 10	Crnk	163	Included	Power	See ALLI-6X	360	69	N/A	N/A
	A20-A1009-HX3X4PX	8, 9, 10	Crnk	175	Included	Power	See ALLI-6X	340	65	N/A	N/A
	A20-A1010-HX3X4PX	8, 9, 10	Crnk	187	Included	Power	See ALLI-6X	310	59	N/A	N/A
	A20-A1011-HX3X4PX	8, 9, 10	Crnk	215	Included	Power	See ALLI-6X	275	52	N/A	N/A
	A20-A1012-HX3X4PX	8, 9, 10	Crnk	231	Included	Power	See ALLI-6X	265	50	N/A	N/A
	A20-A1015-HX3X4PX	8, 9, 10	Crnk	287	Included	Power	See ALLI-6X	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR HEAVY DUTY	CS10-A1005-H3CX	8	Crnk	111	Included	Power	See ALLI-6X	350	67	500	95
	CS10-A1006-H3CX	8	Crnk	125	Included	Power	See ALLI-6X	336	64	480	91
	CS10-A1007-H3CX	8	Crnk	139	Included	Power	See ALLI-6X	315	61	450	86
	CS10-A1008-H3CX	5, 8	Crnk	164	Included	Power	See ALLI-6X	292	56	417	79
	CS10-A1010-H3CX	5, 8	Crnk	184	Included	Power	See ALLI-6X	261	50	372	71
	CS41-A1007-H3CX	5, 7, 8, 10	Crnk	144	Included	Power	See ALLI-6X	429	82	479	91
	CS41-A1010-H3CX	5, 7, 8, 10	Crnk	206	Included	Power	See ALLI-6X	332	63	332	63
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

- **PTO SERIES & DESIGN DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 12, 13, 14, & 15)
- **SHIFT OPTIONS** (see pages 12, 13, 14, & 15)
- **ASSEMBLY ARRANGEMENT** (see pages 12, 13, 14, & 15)
- **OUTPUT SHAFT** (see pages 12, 13, 14, & 15)
- **SPECIAL OPTIONS** ((see pages 12, 13, 14, & 15)

EX: A20 - A10 10 - HX 1 X4 PX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO shown with assembly arrangement with output shaft low and to the rear. The shaft high assembly can be used in chassis with interference with the PTO shown. A20 and A30 can use 5 arrangement housing; 1 arrangement has interference with transmission. Direct mount pump applications may have clearance depending on the type of pump used. The shaft high assembly of the PTO may also allow direct mount pump installs. Due to the numerous chassis and engine combinations it is not possible to note all the information here.
2 Requires special lube kit included.
3 Internal clearance change in 2006. Transmissions built prior to 2006 are limited to PTO ratios "07" and below.
4 Standard output option "X4" (1410 companion flange) shown. Light duty applications can use the "1X" option which will reduce available PTO output torque to 210 lb.ft.
5 The torque rating of this PTO is based on the Allison drive gear rating (for single PTO) of 685 lb.ft. continuous rating and is shown on this page. Refer to the *Allison Tech Data Book* for more information. The CS41 PTO ratings are found on pages 15 with continuous ratings for Fire Pump applications to be calculated as shown on page 3. Ratings above the transmission rating are not approved. The transmission rating means that PTO CS41-A1007 is rated to 479 lb.ft. intermittent and 429 lb.ft. continuous when used on this series of transmission. The CS41-A1010 is rated 332 lb.ft. intermittent and continuous.
6 Connection to Allison "PTO enable" circuit must be made when PTO is engaged. Contact dealer for connection type and location.
7 Check for CS41 PTO housing interference at transmission flange prior to tightening mounting cap screws. Clearance can be made by using a flat file to clear housing to transmission
8 A20, CS10 and CS41 PTOs in Fire Pump applications are approved to 4,000 RPM PTO output shaft speed.
9 A20 and A30 PTOs have a single continuous/intermittent torque rating.
10 PTO available with Muncie Start®; SX shift code on A20 PTP, 6 special feature on CS40 PTO.

ALLISON TRANSMISSION

4000* SERIES**
MUNCIE PTO SHAFT EXTENSIONS
***** (EVS, RDS, SPS, OFS) (MHS, BUS, TRV OPTIONAL) HD-4060P, HD-4560P, HD-4070P**
Footnotes (2 & 4)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
97T 10.16P L.H.
LOCATION: Front **PLMF:** 1.775
PLV: 2648 FPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

PTO SERIES	LEFT SIDE	TOP SIDE
	ALLISON 4000* WITHOUT RETARDER OR COOLER**	
A20 and A30	XSMC-A40XX-X3**XX A*0-A10**-**3CBPW	XSMC-A40XX-X5**XX A*0-A10**-**5CBPW
CS10	XS10-A40XX-X3**XX CS10-A10**-**H3VX	NOT AVAILABLE
CS41	49TA***** (TURN PAGE)	NOT AVAILABLE
	ALLISON 4000* WITH RETARDER**	
A20 and A30	XSMC-A40XX-X4**RX A*0-A10**-**5CBPW	NOT AVAILABLE
CS10	XS10-A40XX-X3**RX CS10-A10**-H3VX	NOT AVAILABLE
CS41	XS41-A40XX-X3**RX CS41-A10**-M3VX	NOT AVAILABLE
	ALLISON 4000* WITH INTEGRAL COOLER**	
A20 and A30	XSMC-A40XX-X4**CX A*0-A10**-**5CBPW	XSMC-A40XX-X5**XX A*0-A10**-**5CBPW
CS10	NOT AVAILABLE	NOT AVAILABLE
CS41	XS41-A40XX-X4**CX CS41-A10**-H1VX	NOT AVAILABLE

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 49TA***** part numbers are choices for aluminum housing versions of shaft extension. These are shown on back of this page.
2 PTOs and shaft extensions for integral cooler applications must be mounted shaft high in order to clear cooler.
3 PTO and shaft extension sold separately.
4 Shaft extension choices for Allison 4700 Series transmission not shown. Only available options are XSMC-A47XX-X3**XX/ A*0-A10****3CBPW or for left side, or XSMC-A47XX-X5**XX/A*0-A10**-**5CBPW for top opening without retarder or cooler. SAE outputs only. DIN option not avaliable.
5 Table shows shaft extension part number on top, with corresponding PTO listed below where applicable. Some combinations are not available, and are listed as such.
6 See page ALLI-06 for PTO application details.

ALLISON TRANSMISSION			
MUNCIE	4000*** SERIES MUNCIE PTO SHAFT EXTENSIONS *** (EVS, RDS, SPS, OFS) (MHS, BUS, TRV OPTIONAL) HD-4060P, HD-4560P, HD-4070P Footnotes (2 & 4)	ALLISON 10-BOLT OPENING PTO DRIVE GEAR DATA: 97T 10.16P L.H. LOCATION: Front PLMF: 1.775 PLV: 2648 FPM RPM: 1,000	

PTO SERIES	OUTPUT	ALLISON 4000*** WITHOUT RETARDER OR COOLER	
		LEFT SIDE	TOP SIDE
CS41	DIN-5462	49TA5445A CS41-A10**-H3VX	NOT AVAILABLE
	SAE B-C	49TA5446A CS41-A10**-H3VX	NOT AVAILABLE
	SAE C	49TA5447A CS41-A10**-H3VX	NOT AVAILABLE

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO and shaft extension sold separately.
2 Shaft extension choices for Allison 4700 Series transmission not shown. Only available options are XSMC-A47XX-X3**XX/ A*0-A10****3CBPW for left side or XSMC-A47XX-X5**XX/ A*0-A10**-**5CBPW for top opening without retarder or cooler. SAE outputs only. DIN option not avaliable.
3 Table shows shaft extension part number on top, with corresponding PTO listed below where applicable. Some combinations are not available, and are listed as such.
4 For transmissions with retarder or integral cooler, see front of this page.
5 See Page ALLI-06 for PTO application details.

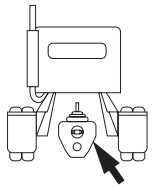
ALLISON TRANSMISSION

RIGHT SIDE ONLY
(TOP SIDE TURN PAGE)

CLBT-9681, CLT-9884, CLT-9885, DP-8861, DP-8862, DP-8960, DP-8961, DP-8962, DP-8963, M8610, M9600, M9610, M9800, M9810, S8610, S9600, S9610, S9800, S9805, S9806, S9810, 9810OFS, 9823OFS, 9826OFS, H8610, H9600, H9610, H9800, H9810
Footnotes (2, 3, & 4)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
52T 6P 25° Spur
LOCATION: Rear **PLMF:** .810
PLV: 2575 FPM **RPM:** 1,135



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6204-M4BP	1	Crnk	89					Included	Cable	285	54
	TG8S-U6205-M4BP	1	Crnk	116					Included	Cable	270	51
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S U6205-M4CP		Crnk	82					Included	None	500	95
	828S U6206-M4CP		Crnk	104					Included	None	450	85
	828S U6208-M4CP		Crnk	130					Included	None	450	85
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, & 11)
- **OUTPUT SHAFT** (see pages 6, & 11)
- **SPECIAL OPTIONS** (see pages 6, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T39495 — Refer to kit program on pages 27-29.
2 Engine Driven Drive gear requires that the Engine be turned off before engaging or disengaging PTO. Constant mesh shift option “M” is shown for this application.
3 Ratio gears higher than listed interfere with internal transmission casting.
4 Transmission pressure lube port may require straight thread fitting.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

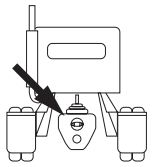
ALLISON TRANSMISSION

TOP SIDE ONLY
(RIGHT SIDE TURN PAGE)

CLBT-9681, CLT-9884, CLT-9885, DP-8861, DP-8862, DP-8960, DP-8961, DP-8962, DP-8963, M8610, M9600, M9610, M9800, M9810, S8610, S9600, S9610, S9800, S9805, S9806, S9810, 9810OFS, 9823OFS, 9826OFS, H8610, H9600, H9610, H9800, H9810, H9820
Footnotes (2, 3, & 4)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
39T 6P 25° Spur
LOCATION: Rear **PLMF:** .810
PLV: 2575 FPM **RPM:** 1,515



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6204-M2BP	1	Opp	89					Included	Cable	285	54
	TG8S-U6205-M2BP	1	Opp	116					Included	Cable	270	51
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S U6205-M2CP		Opp	82					Included	None	500	95
	828S U6206-M2CP		Opp	104					Included	None	450	85
	828S U6208-M2CP		Opp	130					Included	None	450	85
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, & 11)
- **OUTPUT SHAFT** (see pages 6, & 11)
- **SPECIAL OPTIONS** (see pages 6, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T39495 — Refer to kit program on pages 27-29.
2 Engine Driven Drive gear requires that the Engine be turned off before engaging or disengaging PTO. Constant mesh shift option “M” is shown for this application.
3 Ratio gears higher than listed interfere with internal casting.
4 Transmission pressure lube port may require straight thread fitting.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

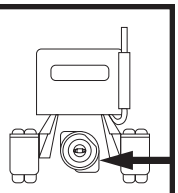
ALLISON TRANSMISSION

RIGHT SIDE ONLY
(TOP SIDE TURN PAGE)

CLT & CLBT 5620, 5860, 5861, 6620, 5961, 5963, 5965, 6061, 6062, 6063, 6620
M5600, M5610, M6600, M6610, S5600, S6600, S6620
Footnotes (2, 3, & 4)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
46T 6P 25° PA Spur
LOCATION: Rear **PLMF:** .802
PLV: 611 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6204-M2BP	1	Crnk	69					Included	Cable	285	54
	TG8S-U6205-M2BP	1	Crnk	90					Included	Cable	270	51
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6205-M2CP		Crnk	64					Included	Lever	500	95
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, & 11)
- B — **OUTPUT SHAFT** (see pages 6, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T39495 — Refer to kit program on page 27-29.
2 Engine driven drive gear requires that the engine be turned off before engaging and disengaging PTO. Constant mesh shift option "M" is shown for this application.
3 TG Series and 82 Series ratios greater than the 5 ratio interfere with internal transmission case.
4 Transmission pressure lube port may require straight thread fitting.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

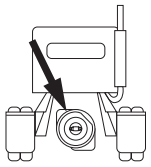
ALLISON TRANSMISSION

TOP SIDE ONLY
(RIGHT SIDE TURN PAGE)

CLT & CLBT 5620, 5860, 5861, 6620, 5961, 5963, 5965, 6061, 6062, 6063, 6620
M5600, M5610, M6600, M6610, S5600, S6600, S6620
Footnotes (2 & 3)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
38T 6P 25° PA Spur
LOCATION: Rear **PLMF:** .802
PLV: 611 FPM **RPM:** 1,210



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6204-M4BP	1	Opp	69					Included	Cable	285	54
	TG8S-U6205-M4BP	1	Opp	90					Included	Cable	270	51
	TG8S-U6206-M4BP	1	Opp	117					Included	Cable	245	47
	TG8S-U6207-M4BP	1	Opp	139					Included	Cable	230	44
	TG8S-U6208-M4BP	1	Opp	167					Included	Cable	230	44
	TG8S-U6209-M4BP	1	Opp	176					Included	Cable	205	39
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6205-M4CP		Opp	64					Included	Lever	500	95
	828S-U6208-M4CP		Opp	102					Included	Lever	450	85
	828S-U6210-M4CP		Opp	135					Included	Lever	410	78
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, & 11)
- **OUTPUT SHAFT** (see pages 6, & 11)
- **SPECIAL OPTIONS** (see pages 6, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T39495 — Refer to kit program on pages 27-29.
2 Transmission pressure lube port may require straight thread fitting.
3 Engine driven drive gear requires that the engine be turned off before engaging and disengaging PTO. Constant mesh shift option “M” is shown for this application.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

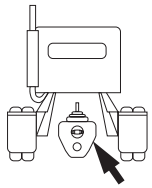
ALLISON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

1000*, 2000***
*** (EVS, RDS, SPS) (MHS, BUS, TRV Optional)
Footnotes (1, 2, 3, 10, 11, 12, 14, & 15)
(HINO Chassis see ALLI-13)
(GM or CV Chassis 1700, 2700 see ALLI-15)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
64T 6.86P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 2441 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-A6904-Z1BX	4, 8	Crnk	77					Included	Cable	250	48
	TG6B-A6905-Z1BX	4, 8	Crnk	100					Included	Cable	210	40
	TG6B-A6906-Z1BX	4, 8	Crnk	131					Included	Cable	160	30
	TG6B-A6907-Z1BX	4, 8	Crnk	154					Included	Cable	160	30
SH SERIES												
CLUTCH SHIFT	CS6B-A6703-S1BP	2, 5, 6, 7	Crnk	82					Included	Power	300	57
	CS6B-A6704-S1BP	2, 5, 6, 7	Crnk	107					Included	Power	250	48
	CS6B-A6705-S1BP	2, 5, 6, 7	Crnk	117					Included	Power	210	40
	CS6B-A6707-S1BP	2, 5, 6, 7, 9	Crnk	149					Included	Power	160	30
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		13	40TA6855-1 - CS6S only						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see pages 6 & 8)
- ASSEMBLY ARRANGEMENT (see pages 6 & 8)
- OUTPUT SHAFT (see pages 6 & 8)
- SPECIAL OPTIONS (see pages 6 & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

SEE REVERSE SIDE FOR FOOTNOTES

FOOTNOTES FOR APPL# ALLI-09 RIGHT SIDE ONLY:

1 PTO speeds shown are with transmission torque converter in lock-up. To obtain lock-up, the PTO must be installed with a connection to the Allison "PTO Enable" circuit and the converter turbine speed must be above 1,100 RPM. Typically the best method is shown in the vehicle's Body Builders information.

2 a GM may have a special order option required for PTO operation. 2001 - 2006 RPO "M1F" and "PTO" must be ordered on vehicles 2007 and later RPO "PTO" must be ordered. This option is not available on crew cab.

b GM Pick Up Chassis may not be installable.

c C/K 1 ton cab-chassis 2001-2009 with gas engine. 2001 & later diesel engine can install CS6B PTO's with PF Series pumps on this opening with RPO "PTO" & RPO "M1F" ordered with vehicle. 2007-2014 add wire harness 34T40692. For 2015 & later add wire harness 34T43471 for "H" shift option, or 34T43466 for "S" shift option.

d When using the GM C4500-C8500MY2001-2010 order 34TK4504 harness kit for CS6,for "S" shift use 34TK5172 or 34TK4505 harness kit for TG6 for the GM supplied PTO option.

e On C4500 and C5500 Series Top Kick or Kodiak chassis the PTO interferes with exhaust.

f On C6500 thru C8500 chassis MY2001-2010 the PTO is installable.

g Pressure lubrication on CS Series use 43TK5157 sold separately.

3 PTO torque ratings shown are derated to the Transmission drive gear limit of 250 lb.ft. (2 PTO Limit is 200 lb.ft. per opening) (Multiply PTO ratings by .80 when 2 PTOs are used.) Allison Transmission Div. of General Motors has a PTO installation checklist available for this transmission and can be found in the S*ales Tech Data Book* available from an authorized service center.

4 TG Series Input Gear #03T38783 - use 23M60270X spacer and 20MKM604 stud kit for installation (included). Refer to kit program on pages 27-29. The TG Series requires a special non-standard shift cover. Use Code "Z" for Cable Shift, Code "4" for Air Shift, Code "5" for Elec/Air Shift and Code "6" for Lectra Shift option. Code "9" for Elec/Hyd shift. Pressure lubrication is not required on the TG Series PTO.

5 Pressure lubrication tee fittings are ordered separately for 1000, 2000, 2400 Series Transmission P.N. 43TK5157 for pressure lubrication on Clutch Shift PTOs. As an option, remove factory elbow and drill, tap and clean for lube connection. Pressure lubrication is not required on the TG Series PTO.

6 If Electric/Hydraulic (H) shift option is chosen for the Clutch Shift PTO then (1) 43T36431 + 43T36445 fittings & (1) 131-2-0001 Installation Kit is required for installation, sold separately. "S" shift option includes built-in solenoid valve and required fittings and hose kit on CS6B only.

7 The Muncie Power SPD-2000 Series speed control is available for use with the Clutch Shift Series PTOs only. It is recommended for PTO and equipment protection from overspeeding. Refer to *Allison Tech Data Book* for overspeed protection and PTO enable options provided by the Allison T.C.M.

8 The TG Series PTO requires that the transmission drive gear be stopped during the engage or disengage of the PTO. Refer to PTO operator's manual for proper shifting instructions.

9 The CS 07 ratio PTO requires the use of a spacer 23M60350 (requiring normal shim procedures) and stud kit 20TK6390 included with PTO.

10 Interference to the end cover of the CS can be minimized by use of the CS6G housing option. This option is only available with the "B" or "K" output shaft option.

11 INTERNATIONAL® 4300 Series use Shaft High "3" arrangement for this side.

12 Isuzu, Nissan, and Mitsubishi use Shaft High "3" arrangement and direct mount pump only. For chassis prior to 2007, use Left Side Opening for 2007 & later chassis.

13 40TA6855-1 can be used with CS6S Series PTO only. Use standard stud kit (20TK4418) with this PTO. Check for clearance to frame rail and attached components. Exhaust needs to be rerouted on General Motors chassis. Spacer 23M60165S (included) mounts to transmission side.

14 Allison Transmission has redesigned the transmission nameplates for all 1000/2000 and 3000/4000 Product Family transmissions. The new nameplate designs contain only the information essential to the identification of the transmission. The transmission product family is identified by the first two digits of the transmission serial number: Body Builders can find out information on the transmission by using the Allison Extranet to look up the serial number. For access to this service contact Allison.

15 Model year 2022 and later "N" Series Isuzu with 6.0L gas engine and Allison 1000/2000 Series transmissions use CS6B with "S" shift option and requires wiring harness 34T43981. Harness must be ordered separately.

16 Model year 2023 and later "F" Series Isuzu with Allison 1000/2000 Series transmissions use CS6B with "S" shift option and requires wiring harness 34T44017. Harness must be ordered separately.

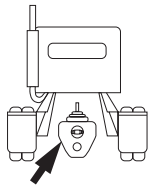
ALLISON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

1000*, 2000***
*** (EVS, RDS SPS) (MHS, BUS, TRV Optional)
Footnotes (1, 2, 3, 10, 11, 12, 14, 17, & 18)
(HINO Chassis see ALLI-13)
(GM or CV Chassis 1700, 2700 see ALLI-15)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
64T 6.86P 20° PA Spur
LOCATION: Front **PLMF:** 1.009
PLV: 2441 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-A6904-Z3BX	4, 8	Crnk	77					Included	Cable	250	48
	TG6B-A6905-Z3BX	4, 8	Crnk	100					Included	Cable	210	40
	TG6B-A6906-Z3BX	4, 8	Crnk	131					Included	Cable	160	30
	TG6B-A6907-Z3BX	4, 8	Crnk	154					Included	Cable	160	30
SH SERIES												
CLUTCH SHIFT	CS6B-A6703-S3BP	2, 5, 6, 7	Crnk	82					Included	Power	300	57
	CS6B-A6704-S3BP	2, 5, 6, 7	Crnk	107					Included	Power	250	48
	CS6B-A6705-S3BP	2, 5, 6, 7	Crnk	117					Included	Power	210	40
	CS6B-A6707-S3BP	2, 5, 6, 7, 9	Crnk	149					Included	Power	160	30
	FA6B-A6706-H3BX	5, 7	Opp	171					Included	Power	100	19
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		13, 16	40TA6830-2, 40TA6855-2						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6 & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- B — **OUTPUT SHAFT** (see pages 6 & 8)
- X — **SPECIAL OPTIONS** (see pages 6 & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

SEE REVERSE SIDE FOR FOOTNOTES

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES FOR APPL# ALLI-09 LEFT SIDE ONLY:

1 PTO speeds shown are with transmission torque converter in lock-up. To obtain lock-up the PTO must be installed with a connection to the Allison "PTO Enable" circuit and the converter turbine speed must be above 1,100 RPM. Typically the best method is shown in vehicle's Body Builders information.

2 a GM may have a special order option required for PTO operation. 2001-2006 RPO "M1F" & "PTO" must be ordered. On vehicles 2007 & later RPO "PTO" must be ordered. The option is not available on crew cab.

b GM Pick Up Chassis may not be installable.

c On General Motors 2001-2007 cab-chassis C/K3600 (Silverado/Sierra) the PTO is not installable on this side.

d When using the GM C4500-C8500 order 34TK4504 harness kit for CS6 (for "S" shift use 34TK5172) or 34TK4505 harness kit for TG6 for the GM supplied PTO option.

e On C4500 and C5500 Series Top Kick or Kodiak chassis the PTO is installable.

f On C6500 thru C8500 chassis the PTO is installable.

g Pressure lubrication on CS Series use 43TK5157, sold separately.

3 PTO torque ratings shown are derated to the Transmission drive gear limit of 250 lb.ft. (2 PTO Limit is 200 lb.ft. per opening) (Multiply PTO ratings by .80 when 2 PTOs are used.) Allison Transmission Div. of General Motors has a PTO installation checklist available for this transmission and can be found in the *Sales Tech Data Book* available from an authorized service center.

4 TG Series Input Gear #03T38783 - use 23M60350 spacer and 20MKM604 stud kit for installation (included). Refer to kit program on pages 27-29. The TG Series requires a special non-standard shift cover. Use Code "Z" for Cable Shift, Code "4" for Air Shift, Code "5" for Elec/Air Shift and Code "6" for Lectra Shift option. Code "9" for Elec/Hyd shift. Pressure lubrication is not required on the TG Series PTO.

5 Pressure lubrication tee fittings are ordered separately for 1000, 2000, 2400 Series Transmission P.N. 43TK5157 for pressure lubrication on Clutch Shift PTOs. As an option, remove factory elbow and drill, tap and clean for lube connection. Pressure lubrication is not required on the TG Series PTO.

6 If Electric/Hydraulic (H) shift option is chosen for the Clutch Shift PTO then (1) 43T36431 + 43T36445 fittings & (1) 131-2-0001 Installation Kit is required for installation, sold separately. "S" shift option includes built-in solenoid valve and required fittings and hose kit on CS6B only.

7 The Muncie Power SPD-2000 Series speed control is available for use with the Clutch Shift Series PTOs only. It is recommended for PTO and equipment protection from overspeeding. Refer to *Allison Tech Data Book* for overspeed protection and PTO enable options provided by the Allison T.C.M.

8 The TG Series PTO requires that the transmission drive gear be stopped during the engage or disengage of the PTO. Refer to PTO operator's manual for proper shifting instructions.

9 The CS 07 ratio PTO requires the use of a spacer 23M60350 (requiring normal shim procedures) and stud kit 20TK4360 included with PTO.

10 Interference to the end cover of the CS can be minimized by use of the CS6G housing option. This option is only available with the "B" or "K" output shaft option.

11 The transmission shift selector is located on this side of the transmission and may interfere with the installation of PTO or components. Contact the vehicle manufacturer for recommendations regarding the movement of this control cable. Ford F-650, F-750 use "1" ass'y PTO.

12 Use Right Side Opening on Isuzu, Mitsubishi, Nissan on chassis prior to 2007. On INTERNATIONAL® 4000 Series use Right Side Opening.

13 40TA6830-2 adapter uses metric PTO stud kit. Check for clearance to frame rail and other chassis components before using. 40TA6830-2 adapter uses metric PTO stud kit. Check for clearance to frame rail and other chassis components before using.

14 Allison Transmission has redesigned the transmission nameplates for all 1000/2000 and 3000/4000 Product Family transmissions. The new nameplate designs contain only the information essential to the identification of the transmission. The transmission product family is identified by the first two digits of the transmission serial number: Body Builders can find out information on the transmission by using the Allison Extranet to look up the serial number. For access to this service contact Allison.

15 TG Series code "9" Electric/Hydraulic shift option can be used where transmission shift lever interferes with other shifter types and where vehicles do not have air.

16 40TA6855-2 can be used with CS6S Series PTO only. Use standard stud kit (20TK4418) with this PTO. Check for clearance to frame rail and attached components. Spacer 23M60165S (included) mounts to transmission side.

17 CS6B: "S" or "N" activation kit includes hose and fittings except the lubrication tee fitting kit which needs to be ordered separately. The "N" shift code is for Shaft High "1" arrangement PTO mounted to this side.

18 On the INTERNATIONAL® Terra Star chassis use shaft high "1" arrangement to clear transmission shifter assembly. Chassis exhaust is on the right side of transmission.

19 Model year 2022 and later "N" Series Isuzu with 6.0L gas engine and Allison 1000/2000 Series transmissions use CS6B with "S" shift option and requires wiring harness 34T43981. Harness must be ordered separately.

20 Model year 2023 and later "F" Series Isuzu with Allison 1000/2000 Series transmissions use CS6B with "S" shift option and requires wiring harness 34T44017. Harness must be ordered separately.

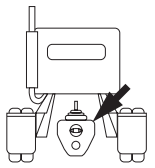
ALLISON TRANSMISSION

TOP SIDE ONLY
(LEFT SIDE TURN PAGE)

3000*** SERIES
*** (EVS, RDS, SPS) (MHS, BUS, TRV Optional)
MD-SERIES W/TOP OPENING
MD-3060P, MD3066P, MD3560P
Footnotes (1, 2, 3, & 5)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
83T 10.16P L.H.
LOCATION: Front **PLMF:** 1.775
PLV: 2266 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO TORQUE	CONTINUOUS RATING @ 1,000 RPM of PTO HP	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
CONST. DRIVE MULTI GEAR								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A30-A1005-MX5X4BX	7	Crnk	90	Included	None	None	400	77	N/A	N/A
	A30-A1006-MX5X4BX	7	Crnk	104	Included	None	None	400	77	N/A	N/A
	A30-A1007-MX5X4BX	7	Crnk	121	Included	None	None	415	79	N/A	N/A
	A30-A1008-MX5X4BX	7	Crnk	139	Included	None	None	360	69	N/A	N/A
	A30-A1009-MX5X4BX	7	Crnk	149	Included	None	None	340	65	N/A	N/A
	A30-A1010-MX5X4BX	7	Crnk	160	Included	None	None	210	59	N/A	N/A
	A30-A1011-MX5X4BX	7	Crnk	184	Included	None	None	275	52	N/A	N/A
	A30-A1012-MX5X4BX	7	Crnk	198	Included	None	None	265	50	N/A	N/A
	A30-A1015-MX5X4BX	7	Crnk	245	Included	None	None	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A20-A1005-HX5X4BX	6, 7, 8	Crnk	90	Included	Power	None	400	77	N/A	N/A
	A20-A1006-HX5X4BX	6, 7, 8	Crnk	104	Included	Power	None	400	77	N/A	N/A
	A20-A1007-HX5X4BX	6, 7, 8	Crnk	121	Included	Power	None	415	79	N/A	N/A
	A20-A1008-HX5X4BX	6, 7, 8	Crnk	139	Included	Power	None	360	69	N/A	N/A
	A20-A1009-HX5X4BX	6, 7, 8	Crnk	149	Included	Power	None	340	65	N/A	N/A
	A20-A1010-HX5X4BX	6, 7, 8	Crnk	160	Included	Power	None	310	59	N/A	N/A
	A20-A1011-HX5X4BX	6, 7, 8	Crnk	184	Included	Power	None	275	52	N/A	N/A
	A20-A1012-HX5X4BX	6, 7, 8	Crnk	198	Included	Power	None	265	50	N/A	N/A
	A20-A1015-HX5X4BX	6, 7, 8	Crnk	245	Included	Power	None	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR HEAVY DUTY	CS11-A1005-H1CB	6	Crnk	95	Included	Power	None	350	67	500	95
	CS11-A1006-H1CB	6	Crnk	107	Included	Power	None	336	64	480	91
	CS11-A1007-H1CB	6	Crnk	120	Included	Power	None	315	61	450	86
	CS11-A1008-H1CB	6	Crnk	141	Included	Power	None	294	56	420	80
	CS11-A1010-H1CB	6	Crnk	157	Included	Power	None	270	52	385	73
	CS41-A1007-H1CB	4, 6, 8	Crnk	122	Included	Power	None	420	80	600	114
	CS41-A1010-H1CB	4, 6, 8	Crnk	175	Included	Power	None	382	72	450	85
	CS41-A1012-H1CB	4, 6, 8	Crnk	200	Included	Power	None	343	65	395	75
OPTIONAL REDUCTION GEARBOX											
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

- PTO SERIES & DESIGN DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO (see pages
- SHIFT OPTIONS 12, 13, 14, & 15)
- ASSEMBLY ARRANGEMENT (see pages 12, 13, 14, & 15)
- OUTPUT SHAFT (see pages 12, 13, 14, & 15)
- SPECIAL OPTIONS ((see pages 12, 13, 14, & 15)

EX: A20 - A10 10 - HX 1 X4 PX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 This opening is at the 1 o'clock position.
2 PTO shown with assembly arrangement with output shaft low and to the rear. The shaft high assembly can be used in chassis with interference with the PTO shown. Direct mount pump applications may have clearance depending on the type of pump used. The shaft high assembly of the PTO may also allow direct mount pump installations. Due to the numerous chassis and engine combinations it is not possible to note all the information here.
3 Standard option "X4" (A20 and A30) or "C" (CS11/41) 1410 companion flange outputs shown. Light-duty applications can use the "1X" or "B" output option which will reduce available PTO output torque to 210 lb.ft.
4 The torque rating of this PTO is based on the Allison drive rating (for single PTO) of 790 lb.ft. intermittent Fire Pump rating and is shown on this page. Refer to the *Allison Tech Data Book* for more information. The CS41 PTO ratings are found on page 15 with continuous ratings for Fire Pump applications to be calculated as shown on page 3. Ratings above the transmission rating are not approved. Based on the PTO ratings shown on page 15, the CS41-A1007 is rated to 600 lb.ft. intermittent and 420 lb.ft. continuous when used on this transmission. The CS41-A1010 is rated to 450 lb.ft. continuous/382 lb.ft. intermittent and the CS41-A1012 is 395 lb.ft. continuous/343 lb.ft. intermittent.
5 Connection to Allison "PTO enable" circuit must be made when PTO is engaged. Contact dealer for connection type and location.
6 CS10, CS41, and A20 PTOs in fire pump applications are approved to 4,000 RPM PTO output shaft speed.
7 A20 and A30 PTOs have single continuous/intermittent torque rating.
8 PTO available with Muncie Start®; SX shift code on A20, 6 special feature on CS40.
9 Direct mount pumps may interfere with transmission case depending on the pump.

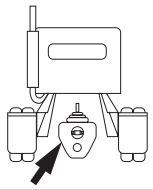
ALLISON TRANSMISSION

LEFT SIDE ONLY
(TOP SIDE TURN PAGE)

3000*** SERIES
*** (EVS, RDS, SPS) (MHS, BUS, TRV Optional)
MD-SERIES W/TOP OPENING
MD-3060, MD3066, MD3560
Footnotes (1, 2, & 4)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
83T 10.16P L.H.
LOCATION: Front **PLMF:** 1.775
PLV: 2266 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO TORQUE	CONTINUOUS RATING @ 1,000 RPM of PTO HP	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
CONST. DRIVE MULTI GEAR											
								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A30-A1005-MX3X4PX	7	Crnk	92	Included	None	None	400	77	N/A	N/A
	A30-A1006-MX3X4PX	7	Crnk	104	Included	None	None	400	77	N/A	N/A
	A30-A1007-MX3X4PX	7	Crnk	121	Included	None	None	415	79	N/A	N/A
	A30-A1008-MX3X4PX	7	Crnk	139	Included	None	None	360	69	N/A	N/A
	A30-A1009-MX3X4PX	7	Crnk	149	Included	None	None	340	65	N/A	N/A
	A30-A1010-MX3X4PX	7	Crnk	160	Included	None	None	310	59	N/A	N/A
	A30-A1011-MX3X4PX	7	Crnk	184	Included	None	None	275	52	N/A	N/A
	A30-A1012-MX3X4PX	7	Crnk	198	Included	None	None	265	50	N/A	N/A
	A30-A1012-MX3X4PX	7	Crnk	245	Included	None	None	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A20-A1005-HX3X4PX	5, 6, 7, 8	Crnk	90	Included	Power	None	400	77	N/A	N/A
	A20-A1006-HX3X4PX	5, 6, 7, 8	Crnk	104	Included	Power	None	400	77	N/A	N/A
	A20-A1007-HX3X4PX	5, 6, 7, 8	Crnk	121	Included	Power	None	415	79	N/A	N/A
	A20-A1008-HX3X4PX	5, 6, 7, 8	Crnk	139	Included	Power	None	360	69	N/A	N/A
	A20-A1009-HX3X4PX	5, 6, 7, 8	Crnk	149	Included	Power	None	340	65	N/A	N/A
	A20-A1010-HX3X4PX	5, 6, 7, 8	Crnk	160	Included	Power	None	310	59	N/A	N/A
	A20-A1011-HX3X4PX	5, 6, 7, 8	Crnk	184	Included	Power	None	275	52	N/A	N/A
	A20-A1012-HX3X4PX	5, 6, 7, 8	Crnk	198	Included	Power	None	265	50	N/A	N/A
	A20-A1015-HX3X4PX	5, 6, 7, 8	Crnk	245	Included	Power	None	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR HEAVY DUTY	CS11-A1005-H3CX	5, 6	Crnk	95	Included	Power	None	350	67	500	95
	CS11-A1006-H3CX	5, 6	Crnk	107	Included	Power	None	336	64	480	91
	CS11-A1007-H3CX	5, 6	Crnk	120	Included	Power	None	315	61	450	86
	CS11-A1008-H3CX	5, 6	Crnk	141	Included	Power	None	294	56	420	80
	CS11-A1010-H3CX	5, 6	Crnk	157	Included	Power	None	270	52	385	73
	CS41-A1007-H3CX	3, 5, 6, 8	Crnk	122	Included	Power	None	420	80	600	114
	CS41-A1010-H3CX	3, 5, 6, 8	Crnk	175	Included	Power	None	382	72	450	85
	CS41-A1012-H3CX	3, 5, 6, 8	Crnk	200	Included	Power	None	343	65	395	75
OPTIONAL REDUCTION GEARBOX											
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

- **PTO SERIES & DESIGN DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 12, 13, 14, & 15)
- **ASSEMBLY ARRANGEMENT** (see pages 12, 13, 14, & 15)
- **OUTPUT SHAFT** (see pages 12, 13, 14, & 15)
- **SPECIAL OPTIONS** ((see pages 12, 13, 14, & 15)

EX: A20 - A10 10 - HX 1 X4 PX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO shown with assembly arrangement with Output Shaft Low and to the rear. The Shaft High assembly can be used in chassis with interference with the PTO shown. A20/A30 use the 5 arrangement for Shaft High assembly. Direct mount pump applications may have clearance depending on the type of pump used. The Shaft High assembly of the PTO may also allow direct mount pump installations.
Due to the numerous chassis and engine combinations, it is not possible to note all the information here.

2 Standard option "X4" (A20 and A30) or "C" (CS11/41) 1410 companion flange outputs shown. Light-duty applications can use the "1X" or "B" output option which will reduce available PTO output torque to 210 lb.ft.

3 The torque rating of this PTO is based on the Allison drive rating (for single PTO) of 790 lb.ft. intermittent Fire Pump rating and is shown on this page. Refer to the *Allison Tech Data Book* for more information. The CS41 PTO ratings are found on page 15 with continuous ratings for Fire pump applications to be calculated as shown on page 3. Ratings above the transmission rating are not approved. Based on the PTO ratings shown on page 17, the CS41-A1007 is rated to 600 lb.ft. intermittent and 420 lb.ft. continuous when used on this transmission. The CS41-A1010 is rated to 450 lb.ft. continuous/382 lb.ft. intermittent and the CS41-A1012 is 395 lb.ft. continuous/343 lb.ft. intermittent.

4 Connection to Allison "PTO enable" circuit must be made when PTO is engaged. Contact dealer for connection type and location.

5 Interference to end cover can be minimized by use of remote mount solenoid option. This is specified by ordering the CS11 or CS41 housing option in place of CS10 or CS40, or by using the HR shift code (A20 only).

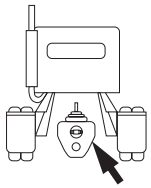
6 A20, CS10, and CS41 PTOs in fire pump applications are approved to 4,000 RPM PTO output shaft speed.

7 A20 and A30 PTOs have single continuous/intermittent torque rating.

8 PTO available with Muncie Start®; SX shift code on A20, 6 special feature on CS40.

ALLISON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
68T 10.16P 20PA 19.3 L.H.
LOCATION: Front **PLMF:** 1.775
PLV: 1856 FPM **RPM:** 1,000

MUNCIE

3700, 3700 SPS

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO		INTERMITTENT RATING @ 1,000 RPM of PTO	
								TORQUE	HP	TORQUE	HP
CONST. DRIVE MULTI GEAR											
CLUTCH SHIFT MULTI GEAR											
CLUTCH SHIFT MULTI GEAR HEAVY DUTY											
OPTIONAL REDUCTION GEARBOX											
			No Adapter Available								

PTO INTERFERENCE

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX:

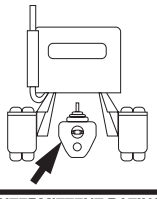
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

ALLISON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ALLISON 10-BOLT OPENING



3700, 3700 SPS
Footnotes (1, 2, & 4)

PTO DRIVE GEAR DATA:
68T 10.16P 20PA 19.3 L.H.
LOCATION: Front **PLMF:** 1.775
PLV: 1856 RPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO		INTERMITTENT RATING @ 1,000 RPM of PTO	
								TORQUE	HP	TORQUE	HP
CONST. DRIVE MULTI GEAR											
								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A30-A1005-MX3X4PX	6	Crnk	74	Included	None	See ALLI-5X	400	77	N/A	N/A
	A30-A1006-MX3X4PX	6	Crnk	85	Included	None	See ALLI-5X	400	77	N/A	N/A
	A30-A1007-MX3X4PX	6	Crnk	99	Included	None	See ALLI-5X	415	79	N/A	N/A
	A30-A1008-MX3X4PX	6	Crnk	114	Included	None	See ALLI-5X	360	69	N/A	N/A
	A30-A1009-MX3X4PX	6	Crnk	122	Included	None	See ALLI-5X	340	65	N/A	N/A
	A30-A1010-MX3X4PX	6	Crnk	131	Included	None	See ALLI-5X	310	59	N/A	N/A
	A30-A1011-MX3X4PX	6	Crnk	151	Included	None	See ALLI-5X	275	52	N/A	N/A
	A30-A1012-MX3X4PX	6	Crnk	162	Included	None	See ALLI-5X	265	50	N/A	N/A
	A30-A1015-MX3X4PX	8	Crnk	201	Included	None	See ALLI-5X	205	39	265	N/A
CLUTCH SHIFT MULTI GEAR								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
	A20-A1005-HX3BBPX	5, 6, 7	Crnk	74	Included	Power	None	400	77	N/A	N/A
	A20-A1006-HX3BBPX	5, 6, 7	Crnk	85	Included	Power	None	400	77	N/A	N/A
	A20-A1007-HX3BBPX	5, 6, 7	Crnk	99	Included	Power	None	415	79	N/A	N/A
	A20-A1008-HX3BBPX	5, 6, 7	Crnk	114	Included	Power	None	360	69	N/A	N/A
	A20-A1009-HX3BBPX	5, 6, 7	Crnk	122	Included	Power	None	340	65	N/A	N/A
	A20-A1010-HX3BBPX	5, 6, 7	Crnk	131	Included	Power	None	310	59	N/A	N/A
	A20-A1011-HX3BBPX	5, 6, 7	Crnk	151	Included	Power	None	275	52	N/A	N/A
	A20-A1012-HX3BBPX	5, 6, 7	Crnk	162	Included	Power	None	265	50	N/A	N/A
	A20-A1015-HX3BBPX	5, 6, 7	Crnk	201	Included	Power	None	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR HEAVY DUTY	CS10-A1005-H3DX	3, 5	Crnk	78	Included	Power	None	350	67	500	95
	CS10-A1006-H3DX	3, 5	Crnk	88	Included	Power	None	336	64	480	91
	CS10-A1007-H3DX	3, 5	Crnk	98	Included	Power	None	315	61	450	86
	CS10-A1008-H3DX	3, 5	Crnk	116	Included	Power	None	294	56	420	80
	CS10-A1010-H3DX	3, 5	Crnk	129	Included	Power	None	270	52	385	73
	CS40-A1007-H3DX	3, 5	Crnk	100	Included	Power	None	420	80	484	92
	CS40-A1010-H3DX	3, 5	Crnk	145	Included	Power	None	336	64	336	64
	CS40-A1012-H3DX	3, 5	Crnk	163	Included	Power	None	298	57	298	57
OPTIONAL REDUCTION GEARBOX											
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

- **PTO SERIES & DESIGN DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 12, 13, 14, & 15)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 12, 13, 14, & 15)
- **OUTPUT SHAFT** (see pages 12, 13, 14, & 15)
- **SPECIAL OPTIONS** ((see pages 12, 13, 14, & 15)

EX: A20 - A10 10 - HX 1 X4 PX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO shown with assembly arrangement with Output Shaft Low and to the rear. The Shaft High assembly can be used in chassis with interference with the PTO shown. Direct mount pump applications may have clearance depending on the type of pump used. The shaft high assembly of the PTO may also allow direct mount pump installations. Due to the numerous chassis and engine combinations it is not possible to note all the information here.

2 Direct mount pump outputs shown due to driveline interference with transfer case. For driveline applications, use "1" arrangement and check chassis/equipment clearance for a drive shaft routed over transfer case. Pump mounts are suggested and the size will depend on chassis/equipment clearance.

3 Torque rating of PTO is based on Allison drive rating (for single PTO) of 485 lb.ft. continuous rating and is shown on this page. Refer to *Allison Tech Data Book* for more information. CS41 PTO ratings are found on page 17 with continuous ratings for Fire pump applications to be calculated as shown on page 3. Ratings above transmission rating are not approved. Based on PTO ratings shown on page 15, the CS41-A1007 is rated to 485 lb.ft. intermittent/420 lb.ft. continuous when used on this transmission. The CS41-A1010 is rated to 336 lb.ft. continuous/intermittent and the CS41-A1012 is 298 lb.ft. continuous/intermittent.

4 Connection to Allison "PTO enable" circuit must be made when PTO is engaged. Contact dealer for connection type and location.

5 Interference to end cover can be minimized by use of remote mount solenoid option. This is specified by ordering the CS11 or CS41 housing option in place of CS10 or CS40, or by using the HR shift code (A20 only).

6 A20 and A30 have single continuous/intermittent torque rating.

7 PTO available with Muncie Start®; SX shift code (A20).

8 Interference to the end cover can be minimized by use of the version with remote solenoid. Change CS10 to CS11, or CS40 to CS41.

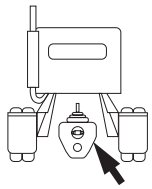
ALLISON TRANSMISSION

REAR OPENING ONLY
(LEFT SIDE TURN PAGE)

METRIC OPENING

TC-10-TS

PTO DRIVE GEAR DATA:
NONE
LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO TORQUE	CONTINUOUS RATING @ 1,000 RPM of PTO HP	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
MECH. SHIFT											
				NO PTOs							
CLUTCH SHIFT											

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

ALLISON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

NO OPENING

TC-10-TS

PTO DRIVE GEAR DATA:
NONE
LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO		INTERMITTENT RATING @ 1,000 RPM of PTO	
								TORQUE	HP	TORQUE	HP
CONST. DRIVE MULTI GEAR	**NO PTO OPENING - SEE OTHER SIDE**										
CLUTCH SHIFT MULTI GEAR											
CLUTCH SHIFT MULTI GEAR HEAVY DUTY											
OPTIONAL REDUCTION GEARBOX											
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

ALLISON TRANSMISSION

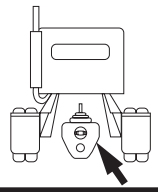
RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

2000 SERIES
HINO CHASSIS
MODEL YEAR 2015 & LATER
Footnote (1)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
64T 6.86P 20 PA Spur

LOCATION: Front **PLMF: 1.085**
PLV: 2441 FPM **RPM: 1,000**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT	CS6B-A6703-S1BH	3	Crnk	82					Included	Power	300	57
	CS6B-A6704-S1BH	3	Crnk	107					Included	Power	250	48
	CS6B-A6705-S1BH	3	Crnk	117					Included	Power	210	40
	CS6B-A6707-S1BH	2, 3	Crnk	149					Included	Power	160	30
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 8)
- **ASSEMBLY ARRANGEMENT** (see page 8)
- **OUTPUT SHAFT** (see page 8)
- **SPECIAL OPTIONS** (see page 8)

EX: CS 6B - M65 07 - E 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO speeds shown are with the torque converter in lock-up. To obtain lock-up the PTO must be installed with a connection to the Allison "PTO Enable" circuit and the converter turbine speed must be above 1,100 RPM. This connection is included with the wiring harness provided in this application.
2 The CS 07 ratio PTO requires the use of a mounting spacer 23M60350 (requiring normal shim procedures) and stud kit, included with PTO.
3 "H" Special Feature code includes hose and fittings and wiring harness specific for the Hino Chassis. CS6 PTO requires the built-in solenoid "S" shift option.
5 Installation/activation kit includes the lube T (43TK5157).

ALLISON TRANSMISSION

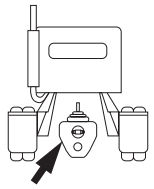
LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ALLISON 2000 SERIES
HINO CHASSIS
MODEL YEAR 2015 & LATER
Footnote (1)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
64T 6.86P 20 PA Spur

LOCATION: Front **PLMF:** 1.085
PLV: 2441 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT	CS6B-A6703-S1BH	3	Crnk	82					Included	Power	300	57
	CS6B-A6704-S1BH	3	Crnk	107					Included	Power	250	48
	CS6B-A6705-S1BH	3	Crnk	117					Included	Power	210	40
	CS6B-A6707-S1BH	2, 3	Crnk	149					Included	Power	160	30
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: CS 6B - M65 07 - E 1 B X

- CS 6B — **PTO SERIES & HOUSING DESIGNATOR**
- M65 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- E — **SHIFT OPTIONS** (see page 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 8)
- B — **OUTPUT SHAFT** (see page 8)
- X — **SPECIAL OPTIONS** (see page 8)

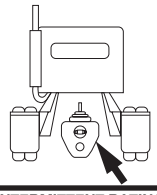
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO speeds shown are with the torque converter in lock-up. To obtain lock-up the PTO must be installed with a connection to the Allison "PTO Enable" circuit and the converter turbine speed must be above 1,100 RPM. This connection is included with the wiring harness provided in this application.
2 The CS 07 ratio PTO requires the use of a mounting spacer 23M60350 (requiring normal shim procedures) and stud kit, included with PTO.
3 "H" Special Feature code includes hose and fittings and wiring harness specific for the Hino Chassis. CS6 PTO requires the built-in solenoid "S" shift option.
4 "1" arrangement PTO shown due to interference with transmission shifter.
5 Installation/activation kit includes the lube T (43TK5157).

ALLISON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



3000 SERIES
HINO CHASSIS MODEL
(Model Year 2015 and Later)
Footnotes (1 & 2)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
68T 10.16P L.H.

LOCATION: Front **PLMF:** 1.775
PLV: 1856 FPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO		INTERMITTENT RATING @ 1,000 RPM of PTO	
								TORQUE	HP	TORQUE	HP
CONST. DRIVE MULTI GEAR											
								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
CLUTCH SHIFT MULTI GEAR	A20-A1005-HH1X4PX	3, 4	Crnk	74	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1006-HH1X4PX	3, 4	Crnk	85	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1007-HH1X4PX	3, 4	Crnk	99	Included	Power	See ALLI-5X	415	79	N/A	N/A
	A20-A1008-HH1X4PX	3, 4	Crnk	114	Included	Power	See ALLI-5X	360	69	N/A	N/A
	A20-A1009-HH1X4PX	3, 4	Crnk	122	Included	Power	See ALLI-5X	340	65	N/A	N/A
	A20-A1010-HH1X4PX	3, 4	Crnk	131	Included	Power	See ALLI-5X	310	59	N/A	N/A
	A20-A1011-HH1X4PX	3, 4	Crnk	151	Included	Power	See ALLI-5X	275	52	N/A	N/A
	A20-A1012-HH1X4PX	3, 4	Crnk	162	Included	Power	See ALLI-5X	265	50	N/A	N/A
	A20-A1015-HH1X4PX	3, 4	Crnk	201	Included	Power	See ALLI-5X	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR HEAVY DUTY											
OPTIONAL REDUCTION GEARBOX											
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

- **PTO SERIES & DESIGN DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 14)
- **ASSEMBLY ARRANGEMENT** (see page 14)
- **OUTPUT SHAFT** (see page 14)
- **SPECIAL OPTIONS** (see page 14)

EX: A20 - A10 10 - HX 1 X4 PX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO shown with assembly arrangement with Output Shaft Low and to the rear.
2 Shift code "HH" includes special activation kit with wiring harness for HINO Chassis.
3 A20 has single continuous/intermittent torque rating.
4 PTO available with Muncie Start®; SX shift code (A20).

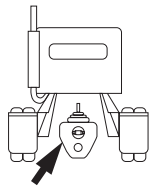
ALLISON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
68T 10.16P L.H.

LOCATION: Front **PLMF: 1.775**
PLV: 1856 FPM **RPM: 1,000**



3000 SERIES
HINO CHASSIS
(Model Year 2015 and Later)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO TORQUE	CONTINUOUS RATING @ 1,000 RPM of PTO HP	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
CONST. DRIVE MULTI GEAR											
								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
CLUTCH SHIFT MULTI GEAR	A20-A1005-HH3X4PX	3, 4	Crnk	74	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1006-HH3X4PX	3, 4	Crnk	85	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1007-HH3X4PX	3, 4	Crnk	99	Included	Power	See ALLI-5X	415	79	N/A	N/A
	A20-A1008-HH3X4PX	3, 4	Crnk	114	Included	Power	See ALLI-5X	360	69	N/A	N/A
	A20-A1009-HH3X4PX	3, 4	Crnk	122	Included	Power	See ALLI-5X	340	65	N/A	N/A
	A20-A1010-HH3X4PX	3, 4	Crnk	131	Included	Power	See ALLI-5X	310	59	N/A	N/A
	A20-A1011-HH3X4PX	3, 4	Crnk	151	Included	Power	See ALLI-5X	275	52	N/A	N/A
	A20-A1012-HH3X4PX	3, 4	Crnk	162	Included	Power	See ALLI-5X	265	50	N/A	N/A
	A20-A1015-HH3X4PX	3, 4	Crnk	201	Included	Power	See ALLI-5X	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR HEAVY DUTY											
OPTIONAL REDUCTION GEARBOX											
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

- **PTO SERIES & DESIGN DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 14)
- **ASSEMBLY ARRANGEMENT** (see page 14)
- **OUTPUT SHAFT** (see page 14)
- **SPECIAL OPTIONS** (see page 14)

EX: A20 - A10 10 - HX 1 X4 PX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO shown with assembly arrangement with Output Shaft Low and to the rear.
2 Shift code “HH” includes special activation kit with wiring harness for HINO Chassis.
3 A20 has single continuous/intermittent torque rating.
4 PTO available with Muncie Start®; SX shift code (A20).

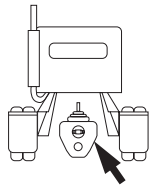
ALLISON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

1700, 1750, 2700, 2750
GENERAL MOTORS 2019
4500HD, 5500HD, 6500HD CHASSIS
INTERNATIONAL CV™ SERIES CHASSIS
Footnotes (2 & 3)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
64T 6.86P 20 PA SPUR
LOCATION: Front **PLMF:** 1.085
PLV: 2441 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-A6904-Z1BX	1, 2, 4	Crnk	77					Included	Cable	250	48
	TG6B-A6905-Z1BX	1, 2, 4	Crnk	100					Included	Cable	210	40
	TG6B-A6906-Z1BX	1, 2, 4	Crnk	131					Included	Cable	160	30
	TG6B-A6907-Z1BX	1, 2, 4	Crnk	154					Included	Cable	160	30
SH SERIES												
CLUTCH SHIFT	CS6B-A6703-21BP	2	CRNK	82					Included	Power	300	57
	CS6B-A6704-21BP	2	CRNK	107					Included	Power	250	48
	CS6B-A6705-21BP	2	CRNK	117					Included	Power	210	40
	CS6B-A6707-21BP	2, 5	CRNK	149					Included	Power	160	30
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6 & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- B — **OUTPUT SHAFT** (see pages 6 & 8)
- X — **SPECIAL OPTIONS** (see pages 6 & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T38783 – Refer to kit program on pages 27-29.
2 PTO speeds shown are with the torque converter in lock-up. To obtain lock-up, PTO must be installed with a connection to the Allison "PTO Enable" circuit and the converter turbine speed must be above 1,100 RPM. This connection is included with the wiring harness kit 34T43466 for the CS6 PTO only, included with "2" shift type. The TG Series cannot use the vehicle supplied PTO switch.
3 For installation of PTO on this side the vehicle, the exhaust must be temporarily removed. Contact chassis dealer or service center for instructions to properly remove and re-install the system. Caution: Installer responsible for heat protection should it be required.
4 TG Series PTOs require that the transmission gear be stopped prior to engaging or disengaging PTO. Refer to PTO operation manual for shifting instructions.
5 CS 07 ratio PTO requires the use of a spacer 23M60350 (requiring normal shim procedures) and stud kit 20TK6390 included with PTO.
6 Installation/activation kit includes the lube T (43TK5157).

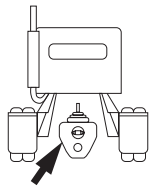
ALLISON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

1700, 1750, 2700, 2750
GENERAL MOTORS 2019
4500HD, 5500HD, 6500HD CHASSIS
INTERNATIONAL CV™ SERIES CHASSIS
Footnote (1)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
64T 6.86P 20 PA SPUR
LOCATION: Front **PLMF:** 1.009
PLV: 2441 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-A6904-Z3BX	1, 2, 3, 5	Crnk	77					Included	Cable	250	48
	TG6B-A6905-Z3BX	1, 2, 3, 5	Crnk	100					Included	Cable	210	40
	TG6B-A6906-Z3BX	1, 2, 3, 5	Crnk	131					Included	Cable	160	30
	TG6B-A6907-Z3BX	1, 2, 3, 5	Crnk	154					Included	Cable	160	30
SH SERIES												
CLUTCH SHIFT	CS6B-A6703-23BP	2, 5	CRNK	82					Included	Power	300	57
	CS6B-A6704-23BP	2, 5	CRNK	107					Included	Power	250	48
	CS6B-A6705-23BP	2, 5	CRNK	117					Included	Power	210	40
	CS6B-A6707-23BP	2, 4, 5	CRNK	149					Included	Power	160	30
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 8)
- **ASSEMBLY ARRANGEMENT** (see page 6 & 8)
- **OUTPUT SHAFT** (see page 6 & 8)
- **SPECIAL OPTIONS** (see page 6 & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T38783 – Refer to kit program on pages 27-29.
2 PTO speeds shown are with the torque converter in lock-up. To obtain lock-up, PTO must be installed with a connection to the Allison "PTO Enable" circuit and the converter turbine speed must be above 1,100 RPM. This connection is included with the wiring harness kit 34T43466 for the CS6 PTO only, included with "2" shift type. The TG Series cannot use the vehicle supplied PTO switch.
3 TG Series PTOs require that the transmission gear be stopped prior to engaging or disengaging PTO. Refer to PTO operation manual for shifting instructions.
4 CS 07 ratio PTO requires the use of a spacer 23M60350 (requiring normal shim procedures) and stud kit 20TK6390 included with PTO.
5 Available Q2, 2019.
6 Installation/activation kit includes the lube T (43TK5157).

ALLISON TRANSMISSION

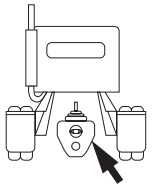
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ALLISON 2000 SERIES
HINO CHASSIS
MODEL YEAR 2021 & LATER
Footnote (1)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
64T 6.86P 20 PA Spur

LOCATION: Front **PLMF: 1.085**
PLV: 2441 FPM **RPM: 1,000**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT	CS6B-A6703-S1B2	3	Crnk	82					Included	Power	300	57
	CS6B-A6704-S1B2	3	Crnk	107					Included	Power	250	48
	CS6B-A6705-S1B2	3	Crnk	117					Included	Power	210	40
	CS6B-A6707-S1B2	2, 3	Crnk	149					Included	Power	160	30
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: CS 6B - M65 07 - E 1 B X

- CS 6B — **PTO SERIES & HOUSING DESIGNATOR**
- M65 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- E — **SHIFT OPTIONS** (see page 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 8)
- B — **OUTPUT SHAFT** (see page 8)
- X — **SPECIAL OPTIONS** (see page 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO speeds shown are with the torque converter in lock-up. To obtain lock-up the PTO must be installed with a connection to the Allison "PTO Enable" circuit and the converter turbine speed must be above 1,100 RPM. This connection is included with the wiring harness provided in this application.

2 The CS 07 ratio PTO requires the use of a mounting Spacer 23M60350 (requiring normal shim procedures) and stud kit, included with PTO.

3 "2" Special Feature code includes hose and fittings and wiring harness specific for the Hino Chassis. CS6 PTO requires the built-in solenoid "S" shift option.

ALLISON TRANSMISSION

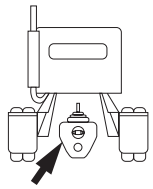
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ALLISON 2000 SERIES
HINO CHASSIS
MODEL YEAR 2021 & LATER
Footnote (1)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
64T 6.86P 20 PA Spur

LOCATION: Front **PLMF:** 1.085
PLV: 2441 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT	CS6B-A6703-S1B2	3	Crnk	82					Included	Power	300	57
	CS6B-A6704-S1B2	3	Crnk	107					Included	Power	250	48
	CS6B-A6705-S1B2	3	Crnk	117					Included	Power	210	40
	CS6B-A6707-S1B2	2, 3	Crnk	149					Included	Power	160	30
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 8)
- **ASSEMBLY ARRANGEMENT** (see pages 8)
- **OUTPUT SHAFT** (see pages 8)
- **SPECIAL OPTIONS** (see pages 8)

EX: CS 6B - M65 07 - E 1 B X

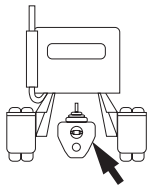
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO speeds shown are with the torque converter in lock-up. To obtain lock-up the PTO must be installed with a connection to the Allison "PTO Enable" circuit and the converter turbine speed must be above 1,100 RPM. This connection is included with the wiring harness provided in this application.
2 The CS 07 ratio PTO requires the use of a mounting Spacer 23M60350 (requiring normal shim procedures) and stud kit, included with PTO.
3 "2" Special Feature code includes hose and fittings and wiring harness specific for the Hino Chassis. CS6 PTO requires the built-in solenoid "S" shift option.
4 "1" arrangement PTO shown due to interference with transmission shifter.

ALLISON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



3000 SERIES
HINO CHASSIS MODEL
(Model Year 2021 and Later)
Footnotes (1 & 2)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
68T 10.16P L.H.

LOCATION: Front **PLMF:** 1.775
PLV: 1856 FPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO		INTERMITTENT RATING @ 1,000 RPM of PTO	
								TORQUE	HP	TORQUE	HP
CONST. DRIVE MULTI GEAR											
								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
CLUTCH SHIFT MULTI GEAR	A20-A1005-H21X4PX	3, 4	Crnk	74	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1006-H21X4PX	3, 4	Crnk	85	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1007-H21X4PX	3, 4	Crnk	99	Included	Power	See ALLI-5X	415	79	N/A	N/A
	A20-A1008-H21X4PX	3, 4	Crnk	114	Included	Power	See ALLI-5X	360	69	N/A	N/A
	A20-A1009-H21X4PX	3, 4	Crnk	122	Included	Power	See ALLI-5X	340	65	N/A	N/A
	A20-A1010-H21X4PX	3, 4	Crnk	131	Included	Power	See ALLI-5X	310	59	N/A	N/A
	A20-A1011-H21X4PX	3, 4	Crnk	151	Included	Power	See ALLI-5X	275	52	N/A	N/A
	A20-A1012-H21X4PX	3, 4	Crnk	162	Included	Power	See ALLI-5X	265	50	N/A	N/A
	A20-A1015-H21X4PX	3, 4	Crnk	201	Included	Power	See ALLI-5X	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR HEAVY DUTY											
OPTIONAL REDUCTION GEARBOX											
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

PTO SERIES & DESIGN DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 14)
ASSEMBLY ARRANGEMENT (see page 14)
OUTPUT SHAFT (see page 14)
SPECIAL OPTIONS (see page 14)

EX: A20 - A10 10 - HX 1 X4 PX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO shown with assembly arrangement with Output Shaft Low and to the rear.
2 Shift code “H2” includes special activation kit with wiring harness for HINO Chassis.
3 A20 has single continuous/intermittent torque rating.
4 PTO available with Muncie Start®; S2 shift code (A20).

ALLISON TRANSMISSION

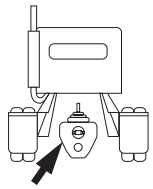
LEFT SIDE ONLY
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3000 SERIES
HINO CHASSIS
(Model Year 2021 and Later)

ALLISON 10-BOLT OPENING

PTO DRIVE GEAR DATA:
68T 10.16P L.H.

LOCATION: Front **PLMF: 1.775**
PLV: 1856 FPM **RPM: 1,000**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO TORQUE	CONTINUOUS RATING @ 1,000 RPM of PTO HP	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
CONST. DRIVE MULTI GEAR											
								CONTINUOUS AND INTERMITTENT RATINGS ARE SAME			
CLUTCH SHIFT MULTI GEAR	A20-A1005-H23X4PX	3, 4	Crnk	74	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1006-H23X4PX	3, 4	Crnk	85	Included	Power	See ALLI-5X	400	77	N/A	N/A
	A20-A1007-H23X4PX	3, 4	Crnk	99	Included	Power	See ALLI-5X	415	79	N/A	N/A
	A20-A1008-H23X4PX	3, 4	Crnk	114	Included	Power	See ALLI-5X	360	69	N/A	N/A
	A20-A1009-H23X4PX	3, 4	Crnk	122	Included	Power	See ALLI-5X	340	65	N/A	N/A
	A20-A1010-H23X4PX	3, 4	Crnk	131	Included	Power	See ALLI-5X	310	59	N/A	N/A
	A20-A1011-H23X4PX	3, 4	Crnk	151	Included	Power	See ALLI-5X	275	52	N/A	N/A
	A20-A1012-H23X4PX	3, 4	Crnk	162	Included	Power	See ALLI-5X	265	50	N/A	N/A
	A20-A1015-H23X4PX	3, 4	Crnk	201	Included	Power	See ALLI-5X	205	39	N/A	N/A
CLUTCH SHIFT MULTI GEAR HEAVY DUTY											
OPTIONAL REDUCTION GEARBOX											
ADAPTER TO CHANGE ROTATION			No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

MODEL BREAK DOWN

- **PTO SERIES & DESIGN DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 14)
- **ASSEMBLY ARRANGEMENT** (see page 14)
- **OUTPUT SHAFT** (see page 14)
- **SPECIAL OPTIONS** (see page 14)

EX: A20 - A10 10 - HX 1 X4 PX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO shown with assembly arrangement with Output Shaft Low and to the rear.
2 Shift code “H2” includes special activation kit with wiring harness for HINO Chassis.
3 A20 has single continuous/intermittent torque rating.
4 PTO available with Muncie Start®; S2 shift code (A20).

ALLISON TRANSMISSION

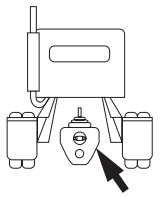
RIGHT SIDE ONLY
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SAE 8-BOLT OPENING

FracTran

PTO DRIVE GEAR DATA:
62T 6P 25° Spur

LOCATION: Rear **PLMF:** .810
PLV: 3085 FPM **RPM:** 1,177



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6205-M4CP		Crnk	102					Included	None	500	95
	828S-U6208-M4CP		Crnk	161					Included	None	450	85
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 11)
- **ASSEMBLY ARRANGEMENT** (see page 11)
- **OUTPUT SHAFT** (see page 11)
- **SPECIAL OPTIONS** (see page 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Engine Driven Drive gear requires that the Engine be turned off before engaging or disengaging PTO. Constant mesh shift option “M” is shown for this application.
2 Transmission pressure lube port may require straight thread fitting.

ALLISON TRANSMISSION

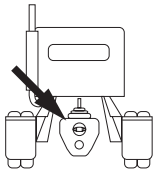
TOP SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

FracTran

PTO DRIVE GEAR DATA:
48T 6P 25° Spur

LOCATION: Rear **PLMF:** .810
PLV: 3085 FPM **RPM:** 1,521



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6205-M2CP		Crnk	102					Included	None	500	95
	828S-U6208-M2CP		Crnk	161					Included	None	450	85
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 11)
- **ASSEMBLY ARRANGEMENT** (see page 11)
- **OUTPUT SHAFT** (see page 11)
- **SPECIAL OPTIONS** (see page 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Engine Driven Drive gear requires that the Engine be turned off before engaging or disengaging PTO. Constant mesh shift option “M” is shown for this application.
2 Transmission pressure lube port may require straight thread fitting..

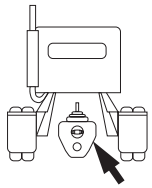
CATERPILLAR TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TH48FT-E80

PTO DRIVE GEAR DATA:
57T 6P 20° PA Spur
LOCATION: Front **PLMF:** .808
PLV: 2711 FPM **RPM:** 1,090



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-M1BP	1, 2	Opp	93					Included	Wire	285	54
	TG8S-U6805-M1BP	1, 2	Opp	122					Included	Wire	270	51
	TG8S-U6806-M1BP	1, 2	Opp	158					Included	Wire	245	47
	TG8S-U6807-M1BP	1, 2	Opp	186					Included	Wire	230	44
	TG8S-U6808-M1BP	1, 2	Opp	228					Included	Wire	230	44
	TG8S-U6809-M1BP	1, 2	Opp	238					Included	Wire	205	39
SH SERIES												
CLUTCH SHIFT	CS8S-U6003-H1BP	3	Opp	85					Included	Power	300	57
	CS8S-U6004-H1BP	3	Opp	114					Included	Power	300	57
	CS8S-U6005-H1BP	3	Opp	122					Included	Power	300	57
	CS8S-U6807-H1BP	3	Opp	182					Included	Power	300	57
	CS8S-U6809-H1BP	3	Opp	225					Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-M1CP	2	Opp	86					Included	Lever	500	95
	828S-U6808-M1CP	2	Opp	137					Included	Lever	450	85
	828S-U6810-M1CP	2	Opp	183					Included	Lever	410	78
	828S-U6813-M1CP	2	Opp	243					Included	Lever	375	71
	828S-U6819-M1CP	2	Opp	326					Included	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 8, & 11)
- **OUTPUT SHAFT** (see page 6, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear 03T34284
2 Transmission drive gear is engine driven and constant mesh PTOs are recommended.
3 Hydraulic activation HOSE KIT 131-2-0001 recommended, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

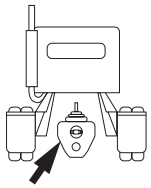
CATERPILLAR TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TH48FT-E80

PTO DRIVE GEAR DATA:
57T 6P 20° PA Spur
LOCATION: Front **PLMF:** .808
PLV: 2711 FPM **RPM:** 1,090



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-M3BP	1, 2	Opp	93					Included	Wire	285	54
	TG8S-U6805-M3BP	1, 2	Opp	122					Included	Wire	270	51
	TG8S-U6806-M3BP	1, 2	Opp	158					Included	Wire	245	47
	TG8S-U6807-M3BP	1, 2	Opp	186					Included	Wire	230	44
	TG8S-U6808-M3BP	1, 2	Opp	228					Included	Wire	230	44
	TG8S-U6809-M3BP	1, 2	Opp	238					Included	Wire	205	39
SH SERIES												
CLUTCH SHIFT	CS8S-U6003-H3BP	3	Opp	85					Included	Power	300	57
	CS8S-U6004-H3BP	3	Opp	114					Included	Power	300	57
	CS8S-U6005-H3BP	3	Opp	122					Included	Power	300	57
	CS8S-U6807-H3BP	3	Opp	182					Included	Power	300	57
	CS8S-U6809-H3BP	3	Opp	225					Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-M3CP	2	Opp	86					Included	Lever	500	95
	828S-U6808-M3CP	2	Opp	137					Included	Lever	450	85
	828S-U6810-M3CP	2	Opp	183					Included	Lever	410	78
	828S-U6813-M3CP	2	Opp	243					Included	Lever	375	71
	828S-U6819-M3CP	2	Opp	326					Included	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 8, & 11)
- **OUTPUT SHAFT** (see page 6, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

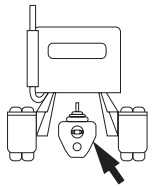
1 TG Series input gear 03T34284
2 Transmission drive gear is engine driven and constant mesh PTOs are recommended.
3 Hydraulic activation HOSE KIT 131-2-0001 recommended, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CATERPILLAR TRANSMISSION

LOWER-RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING



TH48FT-E80
(THIS OPENING IS LOWER ON THIS SIDE)

PTO DRIVE GEAR DATA:
51T 6P 20° PA Spur
LOCATION: Front **PLMF:** .808
PLV: 2715 FPM **RPM:** 1,220

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-M1BP	1, 2	Crnk	93					Included	Wire	285	54
	TG8S-U6805-M1BP	1, 2	Crnk	122					Included	Wire	270	51
	TG8S-U6806-M1BP	1, 2	Crnk	158					Included	Wire	245	47
	TG8S-U6807-M1BP	1, 2	Crnk	186					Included	Wire	230	44
	TG8S-U6808-M1BP	1, 2	Crnk	228					Included	Wire	230	44
	TG8S-U6809-M1BP	1, 2	Crnk	239					Included	Wire	205	39
SH SERIES												
CLUTCH SHIFT	CS8S-U6003-H1BP	3	Crnk	85					Included	Power	300	57
	CS8S-U6004-H1BP	3	Crnk	114					Included	Power	300	57
	CS8S-U6005-H1BP	3	Crnk	122					Included	Power	300	57
	CS8S-U6807-H1BP	3	Crnk	182					Included	Power	300	57
	CS8S-U6809-H1BP	3	Crnk	226					Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-M1CP	2	Crnk	86					Included	Lever	500	95
	828S-U6808-M1CP	2	Crnk	137					Included	Lever	450	85
	828S-U6810-M1CP	2	Crnk	183					Included	Lever	410	78
	828S-U6813-M1CP	2	Crnk	243					Included	Lever	375	71
	828S-U6819-M1CP	2	Crnk	326					Included	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 8, & 11)
- **OUTPUT SHAFT** (see page 6, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear 03T34284
2 Transmission drive gear is engine driven and constant mesh PTOs are recommended.
3 Hydraulic activation HOSE KIT 131-2-0001 recommended, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

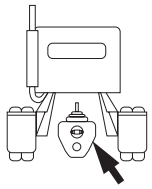
CATERPILLAR TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TH55FT-E70
TH55FT-E90

PTO DRIVE GEAR DATA:
75T 6P 20° PA Spur
LOCATION: Rear **PLMF:** .808
PLV: 2968 FPM **RPM:** 907



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-M2BP	1, 2	Opp	102					Included	Wire	285	54
	TG8S-U6805-M2BP	1, 2	Opp	133					Included	Wire	270	51
	TG8S-U6806-M2BP	1, 2	Opp	173					Included	Wire	245	47
	TG8S-U6807-M2BP	1, 2	Opp	204					Included	Wire	230	44
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-M2CP	2	Opp	94					Included	Lever	500	95
	828S-U6808-M2CP	2	Opp	150					Included	Lever	450	85
	828S-U6810-M2CP	2	Opp	200					Included	Lever	410	78
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6 & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6 & 11)
- B — **OUTPUT SHAFT** (see pages 6 & 11)
- X — **SPECIAL OPTIONS** (see pages 6 & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear 03T34284
2 Transmission drive gear is engine driven and constant mesh PTOs are recommended.
3 Hydraulic activation HOSE KIT 131-2-0001 recommended, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

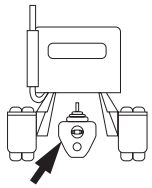
CATERPILLAR TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



MUNCIE

TH55FT-E70
TH55FT-E90

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

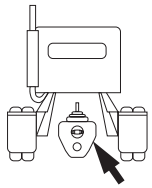
FOOTNOTES:

CHELSEA TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
39T 6P 25° Spur
LOCATION: Front **PLMF:** .810
PLV: 1702 FPM **RPM:** 1,000



910AK, 911AK, 4700A, 4700H, 4900 SPLIT SHAFT

Footnote (2)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6204-C1BX	1	Crnk	59					Included	Cable	285	54
	TG8S-U6205-C1BX	1	Crnk	76					Included	Cable	270	51
	TG8S-U6206-C1BX	1	Crnk	99					Included	Cable	245	47
	TG8S-U6207-C1BX	1	Crnk	118					Included	Cable	230	44
	TG8S-U6208-C1BX	1	Crnk	144					Included	Cable	230	44
	TG8S-U6209-C1BX	1	Crnk	150					Included	Cable	205	39
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6205-L1CX		Crnk	54					Included	Lever	500	95
	828S-U6208-L1CX		Crnk	86					Included	Lever	450	85
	828S-U6210-L1CX		Crnk	115					Included	Lever	410	78
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 11)
- **OUTPUT SHAFT** (see pages 6 & 11)
- **SPECIAL OPTIONS** (see pages 6 & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T39495 — Refer to kit program on pages 27-29.
2 Speeds shown with main transmission in direct drive.

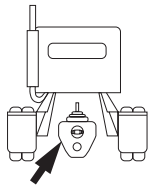
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CHELSEA TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
39T 6P 25° Spur
LOCATION: Front **PLMF:** .810
PLV: 1702 FPM **RPM:** 1,000



910AK, 911AK, 4700A, 4700H, 4900
SPLIT SHAFT
Footnote (2)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6204-C3BX	1	Crnk	59					Included	Cable	285	54
	TG8S-U6205-C3BX	1	Crnk	76					Included	Cable	270	51
	TG8S-U6206-C3BX	1	Crnk	99					Included	Cable	245	47
	TG8S-U6207-C3BX	1	Crnk	118					Included	Cable	230	44
	TG8S-U6208-C3BX	1	Crnk	144					Included	Cable	230	44
	TG8S-U6209-C3BX	1	Crnk	150					Included	Cable	205	39
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6205-L3CX		Crnk	54					Included	Lever	500	95
	828S-U6208-L3CX		Crnk	86					Included	Lever	450	85
	828S-U6210-L3CX		Crnk	115					Included	Lever	410	78
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 11)
- **OUTPUT SHAFT** (see pages 6 & 11)
- **SPECIAL OPTIONS** (see pages 6 & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T39495 — Refer to kit program on pages 27-29.
2 Speeds shown with main transmission in direct drive.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

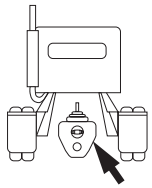
CHELSEA TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

912AH
SPLIT SHAFT
Footnote (1)

PTO DRIVE GEAR DATA:
39T 6P 20° Spur
LOCATION: Front **PLMF:** .810
PLV: 1702 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	2, 4	Crnk	59					Included	Cable	285	54
	TG8S-U6805-C1BX	2, 4	Crnk	76					Included	Cable	270	51
	TG8S-U6806-C1BX	2, 4	Crnk	99					Included	Cable	245	47
	TG8S-U6807-C1BX	2, 4	Crnk	117					Included	Cable	230	44
	TG8S-U6808-C1BX	2, 4	Crnk	144					Included	Cable	230	44
	TG8S-U6809-C1BX	2, 4	Crnk	150					Included	Cable	205	39
	TG8S-U6812-C1BH	2, 4	Crnk	184					Included	Cable	210	40
	TG8S-U6813-C1BH	2, 4	Crnk	210					Included	Cable	210	40
	TG8S-U6815-C1BH	2, 4	Crnk	236					Included	Cable	195	37
	TG8S-U6818-C1BH	2, 4	Crnk	280					Included	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Crnk	77					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	4	Crnk	113					Included	Elec/Air	400	76
	SH8S-U6809-E1BX	4	Crnk	140					Included	Elec/Air	375	71
CLUTCH SHIFT	CS8S-U6003-E1BX		Crnk	54					Included	Power	300	57
	CS8S-U6004-E1BX		Crnk	70					Included	Power	300	57
	CS8S-U6005-E1BX		Crnk	77					Included	Power	300	57
	CS8S-U6806-E1BX		Crnk	90					Included	Power	300	57
	CS8S-U6807-E1BX	4	Crnk	113					Included	Power	300	57
	CS8S-U6809-E1BX	4	Crnk	140					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	3	Crnk	43		43			Included	Lever	200	38
	RL8S-U6805-L3BX		Crnk	89		89			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TU6886-1 Change PTO arrangement to "2", multiply speed by 1.4						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Crnk	54					Included	Lever	500	95
	828S-U6808-L1CX		Crnk	86					Included	Lever	450	85
	828S-U6809-L1CX		Crnk	106					Included	Lever	410	78
	828S-U6810-L1CX		Crnk	115					Included	Lever	410	78
	828S-U6812-L1CX		Crnk	132					Included	Lever	375	71
	828S-U6813-L1CX		Crnk	153					Included	Lever	375	71
	828S-U6815-L1CX		Crnk	167				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L1CX		Crnk	205				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speeds shown with main transmission in direct drive.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 RL Series with combined reduction gear box.
4 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

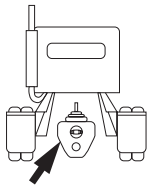
CHELSEA TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

912AH
SPLIT SHAFT
Footnote (1)

PTO DRIVE GEAR DATA:
39T 6P 20° Spur
LOCATION: Front **PLMF:** .810
PLV: 1702 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C3BX	2, 4	Crnk	59					Included	Cable	285	54
	TG8S-U6805-C3BX	2, 4	Crnk	76					Included	Cable	270	51
	TG8S-U6806-C3BX	2, 4	Crnk	99					Included	Cable	245	47
	TG8S-U6807-C3BX	2, 4	Crnk	117					Included	Cable	230	44
	TG8S-U6808-C3BX	2, 4	Crnk	144					Included	Cable	230	44
	TG8S-U6809-C3BX	2, 4	Crnk	150					Included	Cable	205	39
	TG8S-U6812-C3BH	2, 4	Crnk	184					Included	Cable	210	40
	TG8S-U6813-C3BH	2, 4	Crnk	210					Included	Cable	210	40
	TG8S-U6815-C3BH	2, 4	Crnk	236					Included	Cable	195	37
	TG8S-U6818-C3BH	2, 4	Crnk	280					Included	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Crnk	77					Included	Elec/Air	400	76
	SH8S-U6807-E3BX	4	Crnk	113					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	4	Crnk	140					Included	Elec/Air	375	71
CLUTCH SHIFT	CS8S-U6003-E3BX		Crnk	54					Included	Power	300	57
	CS8S-U6004-E3BX		Crnk	70					Included	Power	300	57
	CS8S-U6005-E3BX		Crnk	77					Included	Power	300	57
	CS8S-U6806-E3BX		Crnk	90					Included	Power	300	57
	CS8S-U6807-E3BX	4	Crnk	113					Included	Power	300	57
	CS8S-U6809-E3BX	4	Crnk	140					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	3	Crnk	43		43			Included	Lever	200	38
	RL8S-U6805-L3BX		Crnk	89		89			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TU6886-1 Change PTO arrangement to "2", multiply speed by 1.4						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Crnk	54					Included	Lever	500	95
	828S-U6808-L3CX		Crnk	86					Included	Lever	450	85
	828S-U6809-L3CX		Crnk	106					Included	Lever	410	78
	828S-U6810-L3CX		Crnk	115					Included	Lever	410	78
	828S-U6812-L3CX		Crnk	132					Included	Lever	375	71
	828S-U6813-L3CX		Crnk	153					Included	Lever	375	71
	828S-U6815-L3CX		Crnk	167				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Crnk	205				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speeds shown with main transmission in direct drive.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 RL Series with combined reduction gear box.
4 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

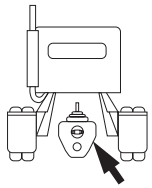
CHELSEA TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

941 SPLIT SHAFT
Footnote (2)

PTO DRIVE GEAR DATA:
23T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.125
PLV: 1004 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 4	Crnk	35					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 4	Crnk	45					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 4	Crnk	58					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 4	Crnk	69					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 4	Crnk	85					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 4	Crnk	88					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 4	Crnk	108					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 4	Crnk	123					Included	Cable	210	40
	TG6S-U6815-C1BH	1, 4	Crnk	139					Included	Cable	195	37
	TG6S-U6818-C1BH	1, 4	Crnk	165					Included	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Crnk	45					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	4	Crnk	67					Included	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Crnk	83					Included	Elec/Air	375	71
CLUTCH SHIFT	CS6S-U6003-E1BX		Crnk	32					Included	Power	300	57
	CS6S-U6004-E1BX		Crnk	42					Included	Power	300	57
	CS6S-U6005-E1BX		Crnk	45					Included	Power	300	57
	CS6S-U6806-E1BX		Crnk	53					Included	Power	300	57
	CS6S-U6807-E1BX	4	Crnk	67					Included	Power	300	57
	CS6S-U6809-E1BX	4	Crnk	83					Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	3	Crnk	26		26		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX		Crnk	52		52		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Speeds shown with main transmission in direct drive.
3 RL Series with combined reduction gear box.
4 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

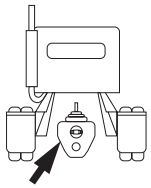
CHELSEA TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

941 SPLIT SHAFT
Footnote (2)

PTO DRIVE GEAR DATA:
23T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.125
PLV: 1004 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C3BX	1, 4	Crnk	35					Included	Cable	285	54
	TG6S-U6805-C3BX	1, 4	Crnk	45					Included	Cable	270	51
	TG6S-U6806-C3BX	1, 4	Crnk	58					Included	Cable	245	47
	TG6S-U6807-C3BX	1, 4	Crnk	69					Included	Cable	230	44
	TG6S-U6808-C3BX	1, 4	Crnk	85					Included	Cable	230	44
	TG6S-U6809-C3BX	1, 4	Crnk	88					Included	Cable	205	39
	TG6S-U6812-C3BH	1, 4	Crnk	108					Included	Cable	210	40
	TG6S-U6813-C3BH	1, 4	Crnk	123					Included	Cable	210	40
	TG6S-U6815-C3BH	1, 4	Crnk	139					Included	Cable	195	37
	TG6S-U6818-C3BH	1, 4	Crnk	165					Included	Cable	175	33
SH SERIES	SH6S-U6005-E3BX		Crnk	45					Included	Elec/Air	400	76
	SH6S-U6807-E3BX	4	Crnk	67					Included	Elec/Air	400	76
	SH6S-U6809-E3BX	4	Crnk	83					Included	Elec/Air	375	71
CLUTCH SHIFT	CS6S-U6003-E3BX		Crnk	32					Included	Power	300	57
	CS6S-U6004-E3BX		Crnk	42					Included	Power	300	57
	CS6S-U6005-E3BX		Crnk	45					Included	Power	300	57
	CS6S-U6806-E3BX		Crnk	53					Included	Power	300	57
	CS6S-U6807-E3BX	4	Crnk	67					Included	Power	300	57
	CS6S-U6809-E3BX	4	Crnk	83					Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	3	Crnk	26		26		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX		Crnk	52		52		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **SPECIAL OPTIONS** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

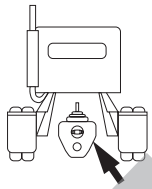
FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Speeds shown with main transmission in direct drive.
3 RL Series with combined reduction gear box.
4 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CHEVROLET TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



CH-465, SM-465 (GMC)
Standard 4-Speed for Chevrolet and GMC for 1968–1991
Footnotes (3 & 4)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
36T 7.3449P 20° PA 24° R.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 596 FPM **RPM:** 425

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-G7307-C2BX	1, 3	Opp	41					Included	Cable	230	44
	TG6S-G7308-C2BX	1, 3	Opp	50					Included	Cable	230	44
	TG6S-G7309-C2BX	1, 3	Opp	52					Included	Cable	205	39
	TG6S-G7312-C2BH	1, 3	Opp	64					Included	Cable	210	40
	TG6S-G7313-C2BH	1, 3	Opp	73					Included	Cable	210	40
	TG6S-G7315-C2BH	1, 3	Opp	82					Included	Cable	195	37
	TG6S-G7318-C2BH	1, 3	Opp	98					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see page 6)
- 1: **ASSEMBLY ARRANGEMENT** (see page 6)
- B: **OUTPUT SHAFT** (see page 6)
- X: **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34325 — Refer to kit program on pages 27-29. See #7 for adapter.
2 The 1990 and 1991 Chevy Truck in the C/K chassis has different frame rails — Cab/Chassis with 60" or 80" cab to axle dimension will have straight frame rails and PTOs can be used. All other versions have interference and cannot be used.
3 4x4 vehicles — 1988 and earlier vehicles will have interference on this side.
4 Vehicles prior to 1988 do not require the use of adapter to mount PTO's. Adapter no longer available.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

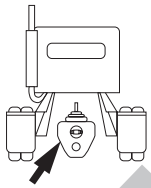
CHEVROLET TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

CH-465, SM-465 (GMC)
Standard 4-Speed for Chevrolet and GMC
for 1968–1991
Footnotes (3, 4, & 5)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
36T 7.3449P 20° PA 24° R.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 596 FPM **RPM:** 425



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-G7307-C4BX	1, 3	Opp	41					Included	Cable	230	44
	TG6S-G7308-C4BX	1, 3	Opp	50					Included	Cable	230	44
	TG6S-G7309-C4BX	1, 3	Opp	52					Included	Cable	205	39
	TG6S-G7312-C4BH	1, 3	Opp	64					Included	Cable	210	40
	TG6S-G7313-C4BH	1, 3	Opp	73					Included	Cable	210	40
	TG6S-G7315-C4BH	1, 3	Opp	82					Included	Cable	195	37
	TG6S-G7318-C4BH	1, 3	Opp	98					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Shaft High assembly arrangement (#2) requires milled idler cap option (M or Q). — Refer to kit program on pages 27-29.
2 TG Series Input Gear: #03T34325 — Refer to kit program on pages 10 & 11. See note #7 for adapter.
3 The 1990 and 1991 Chevy Truck in the C/K chassis has different frame rails — Cab/Chassis with 60" or 80" cab to axle dimension will have straight frame rails and PTOs can be used. All other versions will have interference and cannot be used.
4 4x4 vehicles — 1989-1991 vehicles have drive line interference on this side.
5 4x2 & 4x4 vehicles prior to 1988 can mount PTO's.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

G.M. TRANSMISSION

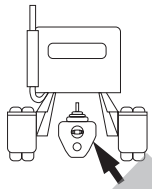
RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

ZF S6-650
2001–2006, 3500 CHASSIS

(This chassis requires PTO heat shields and metal hydraulic supply lines. Gas engine applications are limited to the PF series hydraulic pump due to catalytic converter interference.)
Footnotes (3 & 5)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
39T 9.24P 20° PA 36° R.H.
LOCATION: Front **PLMF:** 1.327
PLV: 806 FPM **RPM:** 590



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-G9207-C3TX	1, 2	Opp	57					Included	Cable	230	44
	TG6S-G9208-C3TX	1, 2	Opp	70					Included	Cable	230	44
	TG6S-G9209-C3TX	1, 2	Opp	73					Included	Cable	205	39
	TG6S-G9212-C3TH	1, 2	Opp	90					Included	Cable	210	40
	TG6S-G9213-C3TH	1, 2	Opp	106					Included	Cable	210	40
	TG6S-Z9215-C3TH	2, 4	Opp	108				23M60270	20MK6604	Cable	195	37
	TG6S-Z9218-C3TH	2, 4	Opp	124				23M60270	20MK6604	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T37787A — Refer to kit program on pages 27-29.
2 Gas engine applications require Shaft High (3 arrangement, shown) and heat shields for installation, use kit #48TK4421. Diesel applications may use Shaft Low (1 arrangement). Direct mount pump use "T" hydraulic option and PF4-xxx-16ASCL series pump due to exhaust interference.
3 This transmission requires the use of Dexron type synthetic transmission oil, refer to vehicle operator's manual for specifications. This application is designed for intermittent duty applications. For continuous duty applications, add the pressure lube option to the PTO and use lube pump kit 43MK8205, sold separately.
4 TG Series Input Gear: #03T37260A — Refer to kit program on pages 27 & 28.
5 2001-2006 Diesel applications have adequate clearance for "1" arrangement PTO and "S" direct mount pump option. Heat shield kit is not required on diesel. Use optional throttle connection kit, 48TK4461 for GM Siverado/Sierra, not supplied.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

G.M. TRANSMISSION

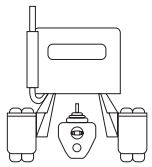
LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ZF S6-650
2001–2006, 3500 Cab Chassis this side is limited to 4x2 and uses application Page ZEDF-4

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION									REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX:

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

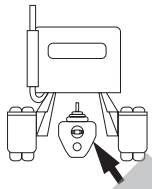
FOOTNOTES:

CLARK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
40T 7.6168NP 18°29'22"PA 23°12'57" R.H.
LOCATION: Front **PLMF:** .945
PLV: 682 FPM **RPM:** 456



280-V
This application for transmissions produced after 11/1/68 with case #230790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7606-C1BX	1, 2	Opp	40				23M60140S	20MK6602	Cable	245	47
	TG6S-C7607-C1BX	1, 2	Opp	47				23M60140S	20MK6602	Cable	230	44
	TG6S-C7608-C1BX	1, 2	Opp	57				23M60140S	20MK6602	Cable	230	44
	TG6S-C7609-C1BX	1, 2	Opp	60				23M60140S	20MK6602	Cable	205	39
	TG6S-C7612-C1BH	1, 2	Opp	74				23M60140S	20MK6602	Cable	210	40
	TG6S-C7613-C1BH	1, 2	Opp	84				23M60140S	20MK6602	Cable	210	40
	TG6S-C7615-C1BH	1, 2	Opp	95				23M60140S	20MK6602	Cable	195	37
	TG6S-C7618-C1BH	1, 2	Opp	112				23M60140S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 To reverse rotation use RG6D-C7613-L1BX and order to be locked up to turn crank rotation.
2 TG Series Input Gear: #03T34455 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

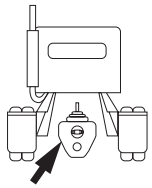
OBSOLETE

CLARK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
20T 6/8P 20° PA Spur
LOCATION: Rear **PLMF:** 1.085
PLV: 378 FPM **RPM:** 433



280-V
This application for transmissions produced after 11/1/68 with case #230790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6812-C4BH	1	Crnk	37				23M60200S	20MK6603	Cable	210	40
	TG6D-S6813-C4BH	1	Crnk	43				23M60200S	20MK6603	Cable	210	40
	TG6D-S6815-C4BH	1	Crnk	48				23M60200S	20MK6603	Cable	195	37
	TG6D-S6818-C4BH	1	Crnk	57				23M60200S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		40TU6810-1 + 23M60032S	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

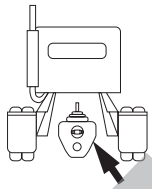
1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.

CLARK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
46T 7.6168NP 18°29'22"PA 23°12'57" R.H.
LOCATION: Front **PLMF:** .525
PLV: 982 FPM **RPM:** 571



280-VO
This application for transmissions produced after 11/1/68 with case #230790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7605-C1BX	1	Opp	44				23M60550	20MK6607	Cable	270	51
	TG6S-C7606-C1BX	1	Opp	58				23M60550	20MK6607	Cable	245	47
	TG6S-C7607-C1BX	1	Opp	68				23M60550	20MK6607	Cable	230	44
	TG6S-C7608-C1BX	1	Opp	82				23M60550	20MK6607	Cable	230	44
	TG6S-C7609-C1BX	1	Opp	86				23M60550	20MK6607	Cable	205	39
	TG6S-C7612-C1BH	1	Opp	106				23M60550	20MK6607	Cable	210	40
	TG6S-C7613-C1BH	1	Opp	120				23M60550	20MK6607	Cable	210	40
	TG6S-C7615-C1BH	1	Opp	136				23M60550	20MK6607	Cable	195	37
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34455 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

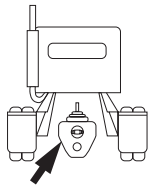
OBSOLETE

CLARK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
20T 6/8P 20° PA Spur
LOCATION: Rear **PLMF:** 1.085
PLV: 473 FPM **RPM:** 542



280-VO
This application for transmissions produced after 11/1/68 with case #230790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6809-C4BX	1	Crnk	39				23M60200S	20MK6603	Cable	205	39
	TG6D-S6812-C4BH	1	Crnk	48				23M60200S	20MK6603	Cable	210	40
	TG6D-S6813-C4BH	1	Crnk	55				23M60200S	20MK6603	Cable	210	40
	TG6D-S6815-C4BH	1	Crnk	61				23M60200S	20MK6603	Cable	195	37
	TG6D-S6818-C4BH	1	Crnk	72				23M60200S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

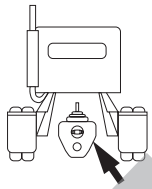
1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.

CLARK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
42T 7.6168NP 18°29'22"PA 23°12'57" R.H.
LOCATION: Front **PLMF:** .753
PLV: 768 FPM **RPM:** 489



282V, 282VHD
This application for transmissions produced after 11/1/68 with case #230790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7606-C1BX	1	Opp	45				23M60350	20MK6605	Cable	245	47
	TG6S-C7607-C1BX	1	Opp	53				23M60350	20MK6605	Cable	230	44
	TG6S-C7608-C1BX	1	Opp	65				23M60350	20MK6605	Cable	230	44
	TG6S-C7609-C1BX	1	Opp	68				23M60350	20MK6605	Cable	205	39
	TG6S-C7612-C1BH	1	Opp	84				23M60350	20MK6605	Cable	210	40
	TG6S-C7613-C1BH	1	Opp	95				23M60350	20MK6605	Cable	210	40
	TG6S-C7615-C1BH	1	Opp	107				23M60350	20MK6605	Cable	195	37
	TG6S-C7618-C1BH	1	Opp	126				23M60350	20MK6605	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34455 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

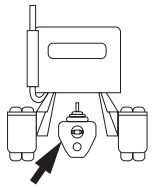
OBSOLETE

CLARK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
20T 6/8P 20° PA Spur
LOCATION: Rear **PLMF:** 1.085
PLV: 405 FPM **RPM:** 464



282V, 282VHD
This application for transmissions produced after 11/1/68 with case #230790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6812-C4BH	1	Crnk	41				23M60200S	20MK6603	Cable	210	40
	TG6D-S6813-C4BH	1	Crnk	46				23M60200S	20MK6603	Cable	210	40
	TG6D-S6815-C4BH	1	Crnk	52				23M60200S	20MK6603	Cable	195	37
	TG6D-S6818-C4BH	1	Crnk	62				23M60200S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

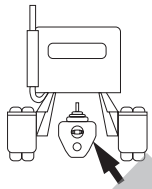
1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.

CLARK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
39T 7.6168NP 18°29'22"PA 23°12'57" R.H.
LOCATION: Front **PLMF:** 1.025
PLV: 713 FPM **RPM:** 489



285V, 285VHD
This application for transmissions produced after 11/1/68 with case #230790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7606-C1BX	1	Opp	42				23M60062S	Included	Cable	245	47
	TG6S-C7607-C1BX	1	Opp	49				23M60062S	Included	Cable	230	44
	TG6S-C7608-C1BX	1	Opp	60				23M60062S	Included	Cable	230	44
	TG6S-C7609-C1BX	1	Opp	63				23M60062S	Included	Cable	205	39
	TG6S-C7612-C1BH	1	Opp	77				23M60062S	Included	Cable	210	40
	TG6S-C7613-C1BH	1	Opp	88				23M60062S	Included	Cable	210	40
	TG6S-C7615-C1BH	1	Opp	99				23M60062S	Included	Cable	195	37
	TG6S-C7618-C1BH	1	Opp	117				23M60062S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 6)
ASSEMBLY ARRANGEMENT (see page 6)
OUTPUT SHAFT (see page 6)
SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34455 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

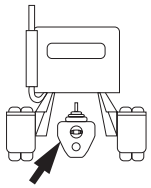
CLARK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

285V, 285VHD
This application for transmissions produced after 11/1/68 with case #230790

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
20T 6/8P 20° PA Spur
LOCATION: Rear **PLMF:** 1.085
PLV: 405 FPM **RPM:** 464



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6812-C4BH	1	Crnk	41				23M60200S	20MK6603	Cable	210	40
	TG6D-S6813-C4BH	1	Crnk	46				23M60200S	20MK6603	Cable	210	40
	TG6D-S6815-C4BH	1	Crnk	52				23M60200S	20MK6603	Cable	195	37
	TG6D-S6818-C4BH	1	Crnk	62				23M60200S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		40TU6810-1 + 23M60032S	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.

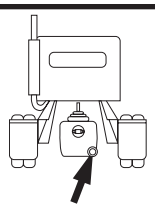
DETROIT DIESEL TRANSMISSION

REAR SIDE ONLY
(LEFT SIDE TURN PAGE)

METRIC OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:** 810



DT-12-**-DH8,**
DT-12-**-OH8 (OVERDRIVE)**
(** INPUT TORQUE RATING)**
FORMERLY DT12-DB, DT12-OB (OVERDRIVE)
Footnotes (2, 3, & 5)
REQUIRES PTO PREP – CODE See Footnote (3)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS6S-P89M1-P1PX	1,2,3,4,5	CRNK	79			601K6930000			Elec/Air	317	60
	RS6S-P89M2-P1PX	1,2,3,4,5	CRNK	107			601K6930000			Elec/Air	317	60
	RS6S-P89M3-P1PX	1,2,3,4,5	CRNK	148			601K6930000			Elec/Air	295	57
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S – **PTO SERIES & HOUSING DESIGNATOR**
- U68 – **GEAR PITCH**
- 07 – **INTERNAL RATIO**
- C – **SHIFT OPTIONS** (see page 19)
- 1 – **ASSEMBLY ARRANGEMENT** (see page 19)
- B – **OUTPUT SHAFT** (see page 19)
- X – **SPECIAL OPTIONS** (see page 19)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO output shaft speed show with transmission in LO Range. For HI Range multiply speed shown by 1.27.
2 For OVERDRIVE transmissions, multiply output speed percent by 1.28.
3 PTO prep package required! Components for PTO activation are supplied with chassis, and do not come with PTO. Order code 362-822 (Driveline applications) or 362-825 (Hydraulic pump application) from Dealer at time of vehicle order.
4 PTO shown with SAE-BB hydraulic drive output. 1410 companion flange change code to “D” output option.
6 Direct mount pumps or direct mount components are limited to 29.5 lb.ft. bending moment at PTO pad. Contact Muncie Power should you need assistance calculating this value. Direct mount hydraulic pumps require metric hardware to mount pump. Pump support brackets are not permitted, as per the transmission manufacturer!

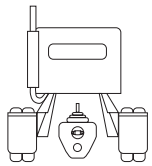
DETROIT DIESEL TRANSMISSION

LEFT SIDE ONLY
(REAR OPENING TURN PAGE)

METRIC OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



DT-12-**-DH8,**
DT-12-**-OH8 (OVERDRIVE)**
(** INPUT TORQUE RATING)**
FORMERLY DT12-DB, DT12-OB (OVERDRIVE)
Footnotes (2, 3, & 5)
REQUIRES PTO PREP – CODE See Footnote (3)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

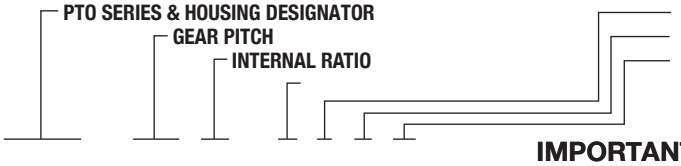
6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN



IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

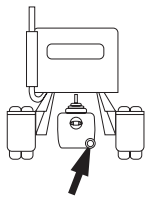
DETROIT DIESEL TRANSMISSION

REAR SIDE ONLY
(LEFT SIDE TURN PAGE)

METRIC OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:** 810



DT-12-**-DH1**
DT-12-**-OH1 (OVERDRIVE)**
(** INPUT TORQUE RATING)**
FORMERLY DT12-DA, DT12-OA (OVERDRIVE)
Footnotes (2, 3, & 5)
REQUIRES PTO PREP – CODE See Footnote (3)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS6S-P89M1-P1PX	1,2,3,4,5	CRNK	79			601K6950000			Elec/Air	317	60
	RS6S-P89M2-P1PX	1,2,3,4,5	CRNK	107			601K6950000			Elec/Air	317	60
	RS6S-P89M3-P1PX	1,2,3,4,5	CRNK	148			601K6950000			Elec/Air	295	57
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 19)
ASSEMBLY ARRANGEMENT (see page 19)
OUTPUT SHAFT (see page 19)
SPECIAL OPTIONS (see page 19)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

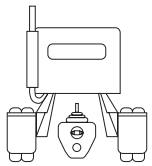
1 PTO output shaft speed show with transmission in LO Range. For HI Range multiply speed shown by 1.27.
2 For OVERDRIVE transmissions, multiply output speed percent by 1.28.
3 PTO prep package required! Components for PTO activation are supplied with chassis, and do not come with PTO. Order code 362-822 (Driveline applications) or 362-825 (Hydraulic pump application) from Dealer at time of vehicle order.
4 PTO shown with SAE-BB hydraulic drive output. 1410 companion flange change code to “D” output option.
5 Direct mount pumps or direct mount components are limited to 29.5 lb.ft. bending moment at PTO pad. Contact Muncie Power should you need assistance calculating this value. Direct mount hydraulic pumps require metric hardware to mount pump. Pump support brackets are not permitted, per the transmission manufacturer!

DETROIT DIESEL TRANSMISSION

LEFT SIDE ONLY
(REAR OPENING TURN PAGE)

METRIC OPENING

PTO DRIVE GEAR DATA:
LOCATION: **PLMF:**
PLV: **RPM:**



DT-12-**-DH1**
DT-12-**-OH1 (OVERDRIVE)**
(** INPUT TORQUE RATING)**
FORMERLY DT12-DA, DT12-OA (OVERDRIVE)
Footnotes (2, 3, & 5)
REQUIRES PTO PREP – CODE See Footnote (3)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

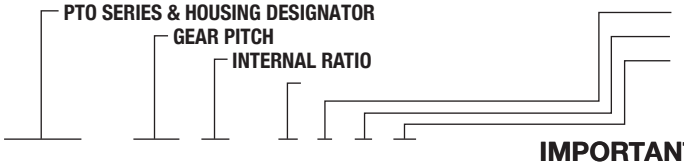
6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN



IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

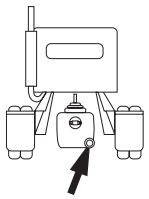
DETROIT DIESEL TRANSMISSION

REAR SIDE ONLY
(BOTTOM OPENING TURN PAGE)

METRIC OPENING

PTO DRIVE GEAR DATA:

LOCATION: N/A **PLMF:** N/A
PLV: N/A **RPM:** 948



DT12-OC, DT12-OHE, DT12-OV

Footnotes (1, 2, & 3)
REQUIRES PTO PREP – CODE See Footnote (2)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS6S-P89M1-P1PX	1,2,3	CRNK	92			601K6950000			Elec/Air	317	60
	RS6S-P89M2-P1PX	1,2,3	CRNK	125			601K6950000			Elec/Air	317	60
	RS6S-P89M3-P1PX	1,2,3	CRNK	174			601K6950000			Elec/Air	295	57
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S – **PTO SERIES & HOUSING DESIGNATOR**
- U68 – **GEAR PITCH**
- 07 – **INTERNAL RATIO**
- C – **SHIFT OPTIONS** (see page 19)
- 1 – **ASSEMBLY ARRANGEMENT** (see page 19)
- B – **OUTPUT SHAFT** (see page 19)
- X – **SPECIAL OPTIONS** (see page 19)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

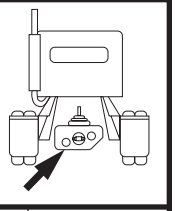
1 PTO output shaft speed show with transmission in LO Range. For HI Range multiply speed shown by 1.27.

2 PTO prep package required! Components for PTO activation are supplied with chassis, and do not come with PTO. Order code 362-822 (Driveline applications) or 362-825 (Hydraulic pump application) from Dealer at time of vehicle order. PTO shown with SAE-BB hydraulic drive output. 1410 companion flange change code to "D" output option.

3 Direct mount pumps or direct mount components are limited to 29.5 lb.ft. bending moment at PTO pad. Contact Muncie Power should you need assistance calculating this value. Direct mount hydraulic pumps require metric hardware to mount pump. Pump support brackets are not permitted on rear PTO, as per the transmission manufacturer!

DETROIT DIESEL TRANSMISSION

BOTTOM OPENING ONLY
(REAR OPENING TURN PAGE)



DT12-OC, DT12-OHE, DT12-OV

Footnote (1, 2, 3, 4, 5, & 7)
REQUIRES PTO PREP – CODE See Footnote (7)

8-BOLT OPENING

PTO DRIVE GEAR DATA:
39T GEAR

LOCATION: Rear **PLMF:** 1.732
PLV: 577 FPM **RPM:** 1,000

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-P4BX		OPP	53			40TA6479		Included	Elec/Air	285	54
	TG8S-U6805-P4BX		OPP	69			40TA6479		Included	Elec/Air	270	51
	TG8S-U6806-P4BX		OPP	90			40TA6479		Included	Elec/Air	245	47
	TG8S-U6807-P4BX		OPP	106			40TA6479		Included	Elec/Air	230	44
	TG8S-U6808-P4BX		OPP	130			40TA6479		Included	Elec/Air	230	44
	TG8S-U6809-P4BX		OPP	135			40TA6479		Included	Elec/Air	205	39
	TG8S-U6812-P4BX		OPP	166			40TA6479		Included	Elec/Air	210	40
	TG8S-U6813-P4BX		OPP	189			40TA6479		Included	Elec/Air	207	39
	TG8S-U6815-P4BX		OPP	213			40TA6479		Included	Elec/Air	184	35
	TG8S-U6818-P4BX		OPP	253			40TA6479		Included	Elec/Air	155	29
SH SERIES												
CLUTCH SHIFT	CS8S-U6806-P4BX	6	OPP	82			40TA6479		Included	Elec/Air	250	48
	CS8S-U6807-P4BX	6	OPP	102			40TA6479		Included	Elec/Air	250	48
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-T4CX		OPP	49			40TA6479		Included	Air	500	95
	828S-U6808-T4CX		OPP	78			40TA6479		Included	Air	450	85
	828S-U6809-T4CX		OPP	97			40TA6479		Included	Air	388	74
	828S-U6810-T4CX		OPP	104			40TA6479		Included	Air	362	69
	828S-U6812-T4CX		OPP	120			40TA6479		Included	Air	313	60
	828S-U6813-T4CX		OPP	138			40TA6479		Included	Air	271	52
	828S-U6815-T4CX		OPP	155			40TA6479	23M80062+23M80062	Included	Air	248	47
	828S-U6819-T4CX		OPP	185			40TA6479	23M80248	20MK8817	Air	190	36
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 – refer to kit program on pages 27-29.
2 Transmission manufacturer specified maximum PTO output speed is 2,500 RPMs.
3 Adapter 40TA6479 is required with all PTOs. Adapter and PTO sold separately.
4 Gasket 13T65089 (included with adapter) is required between PTO and adapter. Standard gaskets used between adapter and transmission.
5 Shifting of transmission with PTO engaged is not allowed, as per transmission manufacturer.
6 Max PTO power consumption limited to 61 HP (46 kW) on mobile applications, as per transmission manufacturer. PTO rating has been reduced to prevent this limit being exceeded. Confirm HP requirement before ordering PTO.
7 PTO prep package required! Components for PTO activation are supplied with chassis, and do not come with PTO. Order code 362-1U1 (TG or CS Series) installations or 262-805 (82 Series installations) from dealer at time of vehicle order.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

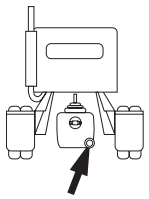
CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

DETROIT DIESEL TRANSMISSION

REAR SIDE ONLY
(BOTTOM OPENING TURN PAGE)

METRIC OPENING

PTO DRIVE GEAR DATA:
N/A
LOCATION: Front **PLMF:** N/A
PLV: N/A **RPM:** 969



DT12-OD, DT12-OVX

Footnotes (1, 2, & 3)
REQUIRES PTO PREP – CODE See Footnote (2)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS6S-P89M1-P1PX	1,2,3,4,	CRNK	94			601K6950000			Elec/Air	317	60
	RS6S-P89M2-P1PX	1,2,3,4	CRNK	128			601K6950000			Elec/Air	317	60
	RS6S-P89M3-P1PX	1,2,3,4	CRNK	177			601K6950000			Elec/Air	295	57
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S – **PTO SERIES & HOUSING DESIGNATOR**
- U68 – **GEAR PITCH**
- 07 – **INTERNAL RATIO**
- C – **SHIFT OPTIONS** (see page 19)
- 1 – **ASSEMBLY ARRANGEMENT** (see page 19)
- B – **OUTPUT SHAFT** (see page 19)
- X – **SPECIAL OPTIONS** (see page 19)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO output shaft speed show with transmission in LO Range. For HI Range multiply speed shown by 1.27.

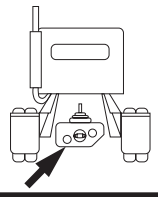
2 PTO prep package required! Components for PTO activation are supplied with chassis, and do not come with PTO. Order code 362-822 (Driveline applications) or 362-825 (Hydraulic pump application) from Dealer at time of vehicle order. PTO shown with SAE-BB hydraulic drive output. 1410 companion flange change code to “D” output option.

3 Direct mount pumps or direct mount components are limited to 29.5 lb.ft. bending moment at PTO pad. Contact Muncie Power should you need assistance calculating this value. Direct mount hydraulic pumps require metric hardware to mount pump. Pump support brackets are not permitted on rear PTO. as per the transmission manufacturer!

DETROIT DIESEL TRANSMISSION

BOTTOM OPENING ONLY
(REAR OPENING TURN PAGE)

8-BOLT OPENING



DT12-OD, DT12-OVX

Footnotes (1, 2, 3, 4, 5, & 7)
REQUIRES PTO PREP – CODE See Footnote (7)

PTO DRIVE GEAR DATA:
40T Gear

LOCATION: Rear **PLMF:** 1.659
PLV: 584 FPM **RPM:** 1,000

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-P4BX		OPP	54			40TA6480		Included	Elec/Air	285	54
	TG8S-U6805-P4BX		OPP	71			40TA6480		Included	Elec/Air	270	51
	TG8S-U6806-P4BX		OPP	92			40TA6480		Included	Elec/Air	245	47
	TG8S-U6807-P4BX		OPP	109			40TA6480		Included	Elec/Air	230	44
	TG8S-U6808-P4BX		OPP	133			40TA6480		Included	Elec/Air	230	44
	TG8S-U6809-P4BX		OPP	139			40TA6480		Included	Elec/Air	205	39
	TG8S-U6812-P4BX		OPP	170			40TA6480		Included	Elec/Air	210	40
	TG8S-U6813-P4BX		OPP	194			40TA6480		Included	Elec/Air	207	39
	TG8S-U6815-P4BX		OPP	218			40TA6480		Included	Elec/Air	184	35
	TG8S-U6818-P4BX		OPP	259			40TA6480		Included	Elec/Air	155	29
SH SERIES												
CLUTCH SHIFT	CS8S-U6806-P4BX	6	OPP	84			40TA6480		Included	Elec/Air	250	48
	CS8S-U6807-P4BX	6	OPP	105			40TA6480		Included	Elec/Air	250	48
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-T4CX		OPP	50			40TA6480		Included	Air	500	95
	828S-U6808-T4CX		OPP	80			40TA6480		Included	Air	450	85
	828S-U6809-T4CX		OPP	99			40TA6480		Included	Air	388	74
	828S-U6810-T4CX		OPP	106			40TA6480		Included	Air	362	69
	828S-U6812-T4CX		OPP	123			40TA6480		Included	Air	313	60
	828S-U6813-T4CX		OPP	142			40TA6480		Included	Air	271	52
	828S-U6815-T4CX		OPP	159			40TA6480	23M80062+23M80062	Included	Air	248	47
	828S-U6819-T4CX		OPP	190			40TA6480	23M80248	20MK8817	Air	190	36
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see pages 6, 8, & 11)
ASSEMBLY ARRANGEMENT (see pages 6, 8, & 11)
OUTPUT SHAFT (see pages 6, 8, & 11)
SPECIAL OPTIONS (see pages 6, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 – refer to kit program on pages 27-29.
2 Transmission manufacturer specified maximum PTO output speed is 2,500 RPMs.
3 Adapter 40TA6480 is required with all PTOs. Adapter and PTO sold separately.
4 Gasket 13T65089 (included with adapter) is required between PTO and adapter. Standard gaskets used between adapter and transmission.
5 Shifting of transmission with PTO engaged is not allowed, as per transmission manufacturer.
6 Max PTO power consumption limited to 61 HP (46 kW) on mobile applications, as per transmission manufacturer. PTO rating has been reduced to prevent this limit being exceeded. Confirm HP requirement before ordering PTO.
7 PTO prep package required! Components for PTO activation are supplied with chassis, and do not come with PTO. Order code 362-1U1 (TG or CS Series installations) or 262-805 (82 Series installations) from dealer at time of vehicle order.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

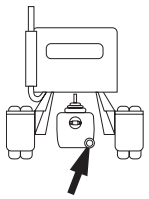
CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

DETROIT DIESEL TRANSMISSION

REAR SIDE ONLY
(BOTTOM OPENING TURN PAGE)

METRIC OPENING

PTO DRIVE GEAR DATA:
N/A
LOCATION: N/A **PLMF:** N/A
PLV: N/A **RPM:** 732



DT12-DC, DT12-DHE, DT12-DV

Footnotes (1, 2, & 3)
REQUIRES PTO PREP – CODE See Footnote (2)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS6S-P89M1-P1PX	1,2,3	CRNK	71			601K6950000			Elec/Air	317	60
	RS6S-P89M2-P1PX	1,2,3	CRNK	97			601K6950000			Elec/Air	317	60
	RS6S-P89M3-P1PX	1,2,3	CRNK	134			601K6950000			Elec/Air	295	57
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S – **PTO SERIES & HOUSING DESIGNATOR**
- U68 – **GEAR PITCH**
- 07 – **INTERNAL RATIO**
- C – **SHIFT OPTIONS** (see page 19)
- 1 – **ASSEMBLY ARRANGEMENT** (see page 19)
- B – **OUTPUT SHAFT** (see page 19)
- X – **SPECIAL OPTIONS** (see page 19)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO output shaft speed show with transmission in LO Range. For HI Range multiply speed shown by 1.27.

2 PTO prep package required! Components for PTO activation are supplied with chassis, and do not come with PTO. Order code 362-822 (Driveline applications) or 362-825 (Hydraulic pump application) from Dealer at time of vehicle order. PTO shown with SAE-BB hydraulic drive output. 1410 companion flange change code to "D" output option.

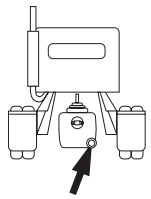
3 Direct mount pumps or direct mount components are limited to 29.5 lb.ft. bending moment at PTO pad. Contact Muncie Power should you need assistance calculating this value. Direct mount hydraulic pumps require metric hardware to mount pump. Pump support brackets are not permitted on rear PTO as per the transmission manufacturer!

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

BOTTOM OPENING ONLY
(REAR OPENING TURN PAGE)

METRIC OPENING

PTO DRIVE GEAR DATA:
N/A
LOCATION: **PLMF:**
PLV: **RPM:**



MUNCIE INTERPUMP HYDRAULICS

DT12-OC, DT12-OHE, DT12-OV

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	**NO BOTTOM MOUNT PTOS AVAILABLE – USE REAR OPENING**											
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

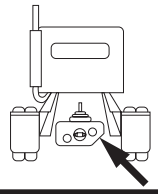
EATON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

4106-B, FS-4106B, FS-5206B
There are two openings on the bottom right side.
This application is for the front opening only.
Footnote (3)

PTO DRIVE GEAR DATA:
43T 8.30P 20° 24.5° R.H.
LOCATION: Rear **PLMF:** 2.504
PLV: 775 FPM **RPM:** 520



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6807-C4BX	1, 2	Crnk	62			40TF8368		Included	Cable	230	44
	TG6S-U6808-C4BX	1, 2	Crnk	76			40TF8368		Included	Cable	230	44
	TG6S-U6809-C4BX	1, 2	Crnk	79			40TF8368		Included	Cable	205	39
	TG6S-U6812-C4BH	1, 2	Crnk	97			40TF8368		Included	Cable	210	40
	TG6S-U6813-C4BH	1, 2	Crnk	110			40TF8368		Included	Cable	210	40
	TG6S-U6815-C4BH	1, 2	Crnk	124			40TF8368		Included	Cable	195	37
	TG6S-U6818-C4BH	1, 2	Crnk	148			40TF8368		Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	4	Crnk	47		47	40TF8368	23M60200S	20MK6602	Lever	200	38

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6)
- B — **OUTPUT SHAFT** (see pages 6)
- X — **SPECIAL OPTIONS** (see pages 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

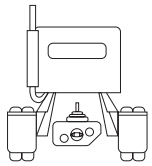
FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
3 This transmission can be mounted vertically or horizontally by the chassis manufacturer. Vertical mounts have PTO opening on Left Side. Horizontal mounts have PTO opening on Bottom Right. Use this page for both options.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

EATON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



4106-B, FS-4106B, FS-5206B

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

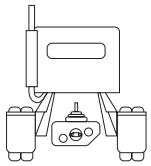
EATON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

6109-A, ES11109, FS-6109A, FS-8309A FSO-6109A, FSO-8209A

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

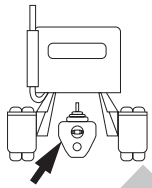
EATON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

6109-A, ES-11109, FS-6109A, FS-6209A, FS-6309A, FS-8209A, FS-8309A[7], FSO-6109A[2], FSO-6209A[2], FSO-6309A[2], FSO-8209A[2]
There are two openings on the left side.
This application is for the rear opening only.
Footnote (4)

SAE 6-BOLT OPENIN

PTO DRIVE GEAR DATA:
23T 6.27P 22.5° PA Spur
LOCATION: Front **PLMF:** 1.152
PLV: 447 FPM **RPM:** 466



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6209-C3BX	1	Crnk	39				23M60032S	Included	Cable	205	39
	TG6S-F6212-C3BH	1	Crnk	48				23M60032S	Included	Cable	210	40
	TG6S-F6213-C3BH	1	Crnk	55				23M60032S	Included	Cable	210	40
	TG6S-F6215-C3BH	1	Crnk	61				23M60032S	Included	Cable	195	37
	TG6S-F6218-C3BH	1	Crnk	74				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see page 6)
- 1 - **ASSEMBLY ARRANGEMENT** (see page 6)
- B - **OUTPUT SHAFT** (see page 6)
- X - **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35613 — Refer to kit program on pages 27-29.
2 Multiply speed shown x 1.34.
3 FS-8309A, multiply speeds shown by 1.63.
4 This transmission can be mounted vertically or horizontally by the chassis manufacturer. Vertical mounts have PTO opening on Left Side. Horizontal mounts have PTO opening on Bottom Right. Use this page for both options.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

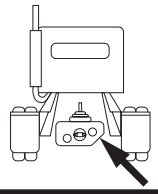
CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

EATON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



4106-A, FS-4005B, FS-4106A, FS-5206A
There are two openings on this side of the transmission.
This application is for the front opening only.

PTO DRIVE GEAR DATA:
45T 8.30P 20° PA 24.5° R.H.
LOCATION: Rear **PLMF:** 2.372
PLV: 671 FPM **RPM:** 430

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6807-C4BX	1, 2, 3	Crnk	54			40TF8368	23M60140S	20MKM107*	Cable	230	44
	TG6S-U6808-C4BX	1, 2, 3	Crnk	66			40TF8368	23M60140S	20MKM107*	Cable	230	44
	TG6S-U6809-C4BX	1, 2, 3	Crnk	69			40TF8368	23M60140S	20MKM107*	Cable	205	39
	TG6S-U6812-C4BH	1, 2, 3	Crnk	88			40TF8368	23M60140S	20MKM107*	Cable	210	40
	TG6S-U6813-C4BH	1, 2, 3	Crnk	97			40TF8368	23M60140S	20MKM107*	Cable	210	40
	TG6S-U6815-C4BH	1, 2, 3	Crnk	108			40TF8368	23M60140S	20MKM107*	Cable	195	37
	TG6S-U6818-C4BH	1, 2, 3	Crnk	129			40TF8368	23M60140S	20MKM107*	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

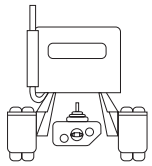
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 * Requires the standard stud kit included with PTO to mount to adapter in addition to the 20MKM107. Do not use for continuous duty applications.
3 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown.
Add spacer 23M60200S and stud kit 20MK6603.

EATON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



4106-A, FS-4005B, FS-4106A, FS-5206A

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

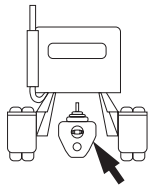
EATON TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

3905A, 3905B, 3905C,
FSO-4305A, FSO-4305B, FSO-4305C
FSO-4405A, FSO-4405B, FSO-4405C

PTO DRIVE GEAR DATA:
36T 9.41P 20.7° PA 25 R.H.
LOCATION: Front **PLMF:** 1.085
PLV: 703 FPM **RPM:** 636



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6807-C1BX	1, 2	Crnk	57			40TC9468	23M60500+23M60450	20MK6610	Cable	230	44
	TG6S-U6808-C1BX	1, 2	Crnk	70			40TC9468	23M60500+23M60450	20MK6610	Cable	230	44
	TG6S-U6809-C1BX	1, 2	Crnk	73			40TC9468	23M60500+23M60450	20MK6610	Cable	205	39
	TG6S-U6812-C1BH	1, 2	Crnk	89			40TC9468	23M60500+23M60450	20MK6610	Cable	210	40
	TG6S-U6813-C1BH	1, 2	Crnk	102			40TC9468	23M60500+23M60450	20MK6610	Cable	210	40
	TG6S-U6815-C1BH	1, 2	Crnk	114			40TC9468	23M60500+23M60450	20MK6610	Cable	195	37
	TG6S-U6818-C1BH	1, 2	Crnk	136			40TC9468	23M60500+23M60450	20MK6610	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1. TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2. Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

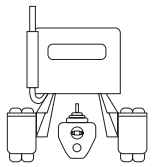
EATON TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

3905A, 3905B, 3905C,
FSO-4305A, FSO-4305B, FSO-4305C
FSO-4405A, FSO-4405B, FSO-4405C

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

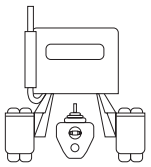
8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

FORD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

4R100 4x2 AUTOMATIC
(1999–2002 DIESEL)
(1999–2004 GAS)

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

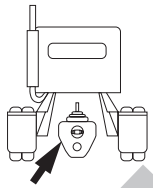
FOOTNOTES:

FORD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

FORD 6-BOLT OPENING

PTO DRIVE GEAR DATA:
115T 14.20P 15.9° PA 18° L.H.
LOCATION: Front **PLMF:** 1.742
PLV: 2230 FPM **RPM:** 1,000



4R100 4x2 AUTOMATIC (1999–2002 DIESEL) (1999–2004 GAS)

Footnotes (1, 2, & 6)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED	FA62-F1406-H3BX	3, 5	Opp	134					Included	Power	127	39
MULTI GEAR	FA62-F1406-H3TX	4, 5	Opp	134					Included	Power	127	39

FOOTNOTES:

1 Minimum Engine Speed for PTO Operation of 6.8L GAS = 1,300 RPM.
2 Minimum Engine Speed for PTO Operation of 7.3L DIESEL = 1,200 RPM.
3 Remote Mount 1¼" round keyed Output Shaft.
4 Direct Mount Pump Output. See charts below for hydraulic pump applications. Output shaft option "R" – SAE A Mount is available option for FA62 PTO.
5 PTO output torque rating is based on the maximum available torque from the transmission. The PTO HP shown is based on the Min. 1,200 Engine RPM and PTO output shaft at 1,608 RPM.
6 Wiring harness #34T38267 required when used with Ford APCM, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

EXAMPLE:

1 Begin by determining the flow and pressure requirement of your application.
2 Next find the desired engine speed at the left of the chart and follow across to closest pump output flow to meet your application. Follow the grid up to the top to read basic pump series and size. This is the pump that will give you the flow you desire. You may need to alter engine operating speed to match your desired flow.
3 If your system required 8 GPM to operate, then you would look for 8 GPM in the columns. Finding the first one under the pump PF4-606 would give you a pump which will deliver the 8 GPM you require at an engine speed of 1,200 RPM. You would also get 8 GPM if you select the PF4-368 pump, but you would need to operate the engine at 1,800 RPM.
4 After you have selected the Pump Series and size, then the complete pump model number can be ordered. The PF1 Series would follow the form of: **PF4-***-16ASRL**. PF4 will be substituted for PF4 as inventory is changed. The PK Series would follow the form of: **PK**-16ASBB**.

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE (Gas or Diesel Engine)

		PK13- 2.96 cu.in./Rev		PK11- 2.46 cu.in./Rev		PK8- 1.97 cu.in./Rev		PF4-870- 2.01 cu.in./Rev		PF4-818- 1.89 cu.in./Rev		PF4-714 1.71 cu.in./Rev		PF4-606- 1.40 cu.in./Rev		PF4-502- 1.16 cu.in./Rev	
		GPM	RATED PSI 3,000	GPM	RATED PSI 3,000	GPM	RATED PSI 3,000	GPM	RATED PSI 2,320	GPM	RATED PSI 2,900	GPM	RATED PSI 2,900	GPM	RATED PSI 3,625	GPM	RATED PSI 3,625
ENGINE SPEED	1,200	21	3,000	17	3,000	14	3,000	14	2,320	13	2,900	12	2,900	10	3,625	8	3,625
	1,300	22	3,000	19	3,000	15	3,000	15	2,320	14	2,900	13	2,900	11	3,625	9	3,625
	1,500	26	3,000	21	3,000	17	3,000	17	2,320	16	2,900	15	2,900	12	3,625	10	3,625
	1,700	29	3,000	24	3,000	19	3,000	20	2,320	19	2,900	17	2,900	14	3,625	11	3,625
	1,900	33	3,000	27	3,000	22	3,000							15	3,625	13	3,625
	2,100			30	3,000	24	3,000									14	3,625
	2,300			32	3,000	26	3,000										
	2,500																

EXCEEDS MAX RPM

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

		PF4-424- 0.98 cu.in./Rev		PF-368- 0.85 cu.in./Rev		P4-290- 0.67 cu.in./Rev		PF4-264- 0.61 cu.in./Rev		PF4-212 0.49 cu.in./Rev		PF4-160- 0.37 cu.in./Rev	
		GPM	RATED PSI 3,625	GPM	RATED PSI 3,625	GPM	RATED PSI 3,625	GPM	RATED PSI 3,625	GPM	RATED PSI 3,625	GPM	RATED PSI 3,625
ENGINE SPEED	1,200	7	3,625	6	3,625	4.5	3,625	4	3,625	3	3,625	2.5	3,625
	1,300	7.5	3,625	6.5	3,625	5	3,625	4.5	3,625	3.5	3,625	3	3,625
	1,500	8.5	3,625	7	3,625	6	3,625	5	3,625	4	3,625	3	3,625
	1,700	9.5	3,625	7	3,625	6.5	3,625	6	3,625	5	3,625	3.5	3,625
	1,900	11	3,625	9	3,625	7	3,625	7	3,625	5	3,625	4	3,625
	2,100	12	3,625	10	3,625	8	3,625	7	3,625	6	3,625	4.5	3,625

*** Theoretical Flow shown**

Speed shown for pump at 0 in.hg. vacuum.

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when applying that pump to this application.

To Calculate the PTO output speed:

Engine Speed × 134% = PTO output speed
Ex: Engine speed of 1,400 RPM would yield:
1,400 × 1.34 = 1,876 RPM PTO

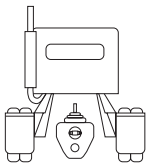
A **6 GPM** pump (like the PF4-606) would deliver an output flow of:
Disp × RPM/231
1.4 × 1,876/231 = 11.4 GPM

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

FORD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



4R100 4x4 AUTOMATIC
(1999–2002 DIESEL)
(1999–2004 GAS)

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

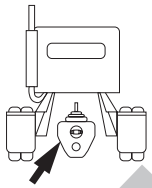
FORD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

4R100 4x4 AUTOMATIC
(1999–2002 DIESEL)
(1999–2004 GAS)
Footnotes (1, 2, & 5)

FORD 6-BOLT OPENING

PTO DRIVE GEAR DATA:
115T 14.20P 15.9° PA 18° L.H.
LOCATION: Front **PLMF:** 1.742
PLV: 2230 FPM **RPM:** 1,000



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	FA64-F1406-H2TX	3, 4	Opp 3	134					Included	Power	127	39

FOOTNOTES:
1 Minimum Engine Speed for PTO Operation of 6.8L GAS = 1,300 RPM.
2 Minimum Engine Speed for PTO Operation of 7.3L DIESEL = 1,200 RPM.
3 Direct Mount Pump Output. See charts below for hydraulic pump applications. The Pump size on GAS applications are restricted by case interference. Requires R.H. rotation pump.
4 PTO output torque rating is based on the maximum available torque from the transmission. The PTO HP shown is based on the Min. 1,200 Engine RPM and PTO output shaft at 1,608 RPM.
5 Wiring harness #34T38267 required when used with Ford APCM, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

EXAMPLE:
1 Begin by determining the flow and pressure requirement of your application.
2 Next find the desired engine speed at the left of the chart and follow across to the closest pump output flow to meet your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire. You may need to alter the engine operating speed to match your desired flow.
3 If your system required 8 GPM to operate, then you would look for 8 GPM in the columns. Finding the first one under the pump PF4-606 would give you a pump which will deliver the 8 GPM you require at an engine speed of 1,200 RPM. You would also get 8 GPM if you select the PF4-368 pump, but you would need to operate the engine at 1,800 RPM.
4 After you have selected the Pump Series and size, then the complete pump model number can be ordered. The PF4 Series would follow the form of: **PF4-✻✻✻-16ASBR**. The PF4 Series pump has specific components for this application and is the only pump recommended.

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE (Diesel Engine [Only] Application)

	PF4-606- 1.16 cu.in./Rev		PF4-502- 0.98 cu.in./Rev		PF4-424- 0.85 cu.in./Rev		PF4-368- 0.67 cu.in./Rev		PF4-290 0.61 cu.in./Rev		PF4-264- 0.49 cu.in./Rev		PF4-212- 0.37 cu.in./Rev		PF4-160-	
	GPM	RATED PSI 3,265	GPM	RATED PSI 3,625	GPM	RATED PSI 3,000	GPM	RATED PSI 2,320	GPM	RATED PSI 2,900	GPM	RATED PSI 2,900	GPM	RATED PSI 3,625	GPM	RATED PSI 3,625
ENGINE SPEED 1,200	9	3,265	7.5	3,625	6	3,625	5.5	3,625	4	3,625	4	3,625	3	3,625	2	3,625
1,400	11	3,265	9	3,625	7.5	3,625	6.5	3,625	5	3,625	4.5	3,625	3.5	3,625	3	3,625
1,600	12	3,265	10	3,625	8.5	3,625	7	3,625	5.5	3,625	5	3,625	4	3,625	3	3,625
1,800	13	3,265	11	3,625	9.5	3,625	8	3,625	6.5	3,625	6	3,625	4.5	3,625	3.5	3,625
2,000			12.5	3,625	10.5	3,625	9	3,625	7	3,625	6.5	3,625	5	3,625	4	3,625
2,200			14	3,625	11.5	3,625	10	3,625	8	3,625	7	3,625	6	3,625	4.5	3,625
2,500																

EXCEEDS MAX RPM

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE (Gas Engine [Only] Application)

	PF4-368- 0.85 cu.in./Rev		PF-290- 0.67 cu.in./Rev		P4-264- 0.61 cu.in./Rev		PF4-212- 0.49 cu.in./Rev		PF4-160 0.37 cu.in./Rev	
	GPM	RATED PSI 3,625	GPM	RATED PSI 3,625	GPM	RATED PSI 3,625	GPM	RATED PSI 3,625	GPM	RATED PSI 3,625
ENGINE SPEED 1,300	5,5	3,625	4	3,625	4	3,625	3	3,625	2	3,625
1,500	6.5	3,625	5	3,625	4.5	3,625	3.5	3,625	3	3,625
1,700	7	3,625	5.5	3,625	5	3,625	4	3,625	3	3,625
1,900	8	3,625	6.5	3,625	6	3,625	4.5	3,625	3.5	3,625
2,100	9	3,625	7	3,625	6.5	3,625	5	3,625	4	3,625
2,300	19	3,625	8	3,625	7	3,625	6	3,625	4.5	3,625
2,500										

PLEASE NOTE:
If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when applying that pump to this application.

To Calculate the PTO output speed:

Engine Speed × 134% = PTO output speed
Ex: Engine speed of 1,400 RPM would yield:
1,400 × 1.34 = 1,876 RPM PTO

A **6 GPM** pump (like the PF4-606) would deliver an output flow of: Disp × RPM/231

1.4 × 1,876/231 = 11.4 GPM

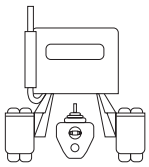
*** Theoretical Flow shown**

Speed shown for pump at 0 in.hg. vacuum.

OBSOLETE

FORD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

2003–2004 (DIESEL)
TORQSHIFT 4x2 AUTOMATIC

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

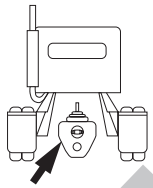
FOOTNOTES:

FORD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

FORD 6-BOLT OPENING

PTO DRIVE GEAR DATA:
121T 14.23P 17.9° PA SPUR
LOCATION: Rear **PLMF:** 1.742
PLV: 2226 FPM **RPM:** 1,000



2003–2004 (DIESEL)
TORQSHIFT 4x2 AUTOMATIC
Footnotes (1, 4, 5, 7, & 8)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	FR63-F1506-H4BX	2, 6	Opp	126					Included	Power	190	55
	FR63-F1506-H4TX	3, 6	Opp	126					Included	Power	190	55

FOOTNOTES:
1 Minimum Engine Speed for PTO Operation of 6.0L DIESEL = 1,200 RPM.
2 Remote mount 1¼" round keyed output shaft.
3 Direct Mount Pump Output. See charts below for hydraulic pump applications ["R" option (⅝-9T) and "Q" option (⅞-13T) output shaft options are available].
4 For PTO activation using the Ford provided APCM control, order PTO with "Q" shift option, or purchase 34T39296 wire harness separately to convert "H" shift option to "Q".
5 For 2 position rocker switch, change shifter option to "Z". Uses activation kit 43TK4524 and 34T39185.
6 PTO HP shown is based on the min. 1,200 Engine RPM and PTO output shaft at 1,512 RPM.
7 Optional overspeed protection, order SPD-2000.
8 FR63 replaces FR62. The units have the same mounting dimensions.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

EXAMPLE:
1 Begin by determining the flow and pressure requirement of your application.
2 Next find the desired engine speed at the left of the chart and follow across to the closest pump output flow to meet your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire. You may need to alter the engine operating speed to match your desired flow.
3 If your system required 9 GPM to operate, then you would look for 9 GPM in the columns. Finding the first one under the pump PF4-606 would give you a pump which will deliver the 9 GPM you require at an engine speed of 1,200 RPM. You would also get 9 GPM if you select the PF4-368 pump, but you would need to operate the engine at 2,000 RPM.
4 After you have selected the Pump Series and size, then the complete pump model number can be ordered. The PF4 Series would follow the form of: **PF4-***-16ASRL.** The PK Series would follow the form of: **PK**-16ASBB** (Pump rear ports are used in this installation. Order appropriate fittings separately.)

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

		PK13-		PK11-		PK8-		PF4-870-		PF4-818		PF4-714-		PF4-606-		PF4-502-		PF4-424	
		2.96 cu.in./Rev		2.46 cu.in./Rev		1.97 cu.in./Rev		2.01 cu.in./Rev		1.71 cu.in./Rev		1.89 cu.in./Rev		1.40 cu.in./Rev		1.16 cu.in./Rev		0.98 cu.in./Rev	
		GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI
			3,000		3,000		3,000		2,320		2,900		2,900		3,625		3,625		3,625
ENGINE SPEED	1,200	19.4	3,000	16.1	3,000	12.9	3,000	13.2	2,320	12.4	2,900	10.8	2,900	9.2	3,625	7.6	3,625	6.4	3,625
	1,300	21.6	3,000	17.4	3,000	14.0	3,000	14.3	2,320	13.4	2,900	11.7	2,900	9.9	3,625	8.2	3,625	6.9	3,625
	1,500	24.2	3,000	20.1	3,000	16.1	3,000	16.4	2,320	15.5	2,900	13.5	2,900	11.5	3,625	9.5	3,625	8.0	3,625
	1,700	27.4	3,000	22.8	3,000	18.3	3,000	18.6	2,320	17.5	2,900	15.3	2,900	13.0	3,625	10.8	3,625	9.1	3,625
	1,900	30.7	3,000	25.5	3,000	20.4	3,000					17.1	2,900	14.5	3,625	12.0	3,625	10.2	3,625
	2,100	33.9	3,000	28.2	3,000	22.6	3,000									13.3	3,625	11.2	3,625
	2,300			30.9	3,000	24.7	3,000									14.6	3,625	12.3	3,625

EXCEEDS MAX RPM

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

		PF4-368-		PF-290-		P4-264-		PF4-212-		PF4-160	
		0.85 cu.in./Rev		0.67 cu.in./Rev		0.61 cu.in./Rev		0.49 cu.in./Rev		0.37 cu.in./Rev	
		GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI
			3,625		3,625		3,625		3,625		3,625
ENGINE SPEED	1,200	5,6	3,625	4.4	3,625	4.0	3,625	3.2	3,625	2.4	3,625
	1,300	6.0	3,625	4.8	3,625	4.3	3,625	3.5	3,625	2.6	3,625
	1,500	7.0	3,625	5.5	3,625	5.0	3,625	4.0	3,625	3.0	3,625
	1,700	7.9	3,625	6.2	3,625	5.7	3,625	4.5	3,625	3.4	3,625
	1,900	8.8	3,625	6.9	3,625	6.3	3,625	5.1	3,625	3.8	3,625
	2,100	9.7	3,625	7.7	3,625	7.0	3,625	5.6	3,625	4.2	3,625
	2,300	10.7	3,625	8.4	3,625	7.7	3,625	6.1	3,625	4.6	3,625

PLEASE NOTE:
If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when applying that pump to this application.

To Calculate the PTO output speed:

Engine Speed × 126% = PTO output speed
Ex: Engine speed of 1,400 RPM would yield:
1,400 × 1.26 = 1,764 RPM PTO

A **6 GPM** pump (like the PF4-606) would deliver an output flow of: Disp × RPM / 231

1.4 × 1,764 / 231 = 10.6 GPM

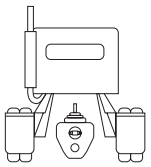
*** Theoretical Flow shown**

Speed shown for pump at 0 in.hg. vacuum.

OBSOLETE

FORD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



2003–2004 (DIESEL)
TORQSHIFT 4x2 AND 4x4 AUTOMATIC

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

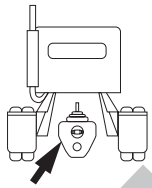
FORD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

2003–2004 (DIESEL)
TORQSHIFT 4x2 AND 4x4 AUTOMATIC
Footnotes (1, 4, 5, & 7)

FORD 6-BOLT OPENING

PTO DRIVE GEAR DATA:
121T 14.23P 17.9° PA SPUR
LOCATION: Rear **PLMF:** 1.742
PLV: 2226 FPM **RPM:** 1,000



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	FR67-F1506-H4BX	2, 9	Opp	126					Included	Power	190	55
	FR67-F1506-H4NX	8, 9	Opp	126					Included	Power	190	55

FOOTNOTES:
1 Minimum Engine Speed for PTO Operation of 6.0L DIESEL = 1,200 RPM.
2 Remote mount 1¼" round keyed output shaft. Can only be used on 4×2 applications.
3 Direct Mount Pump Output. See charts below for hydraulic pump applications.
4 For PTO activation using the Ford provided APCM control, order PTO with "Q" shift option, or purchase 34T39296 wire harness separately to convert "H" shift option to "Q".
5 For 2 position rocker switch, change shifter option to "Z". Uses activation kit 43TK4524 and 34T39185.
6 PTO HP shown is based on the min. 1,200 Engine RPM and PTO output shaft at 1,512 RPM.
7 Optional overspeed protection, order SPD-2000.
8 Direct mount F series pump may require modification on pumps PF4-714 and larger for clearance to transmission shifter.
9 The FR67 has a built-in solenoid valve. The FR67 PTO replaces the FR64 PTO.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

EXAMPLE:
1 Begin by determining the flow and pressure requirement of your application.
2 Next find the desired engine speed at the left of the chart and follow across to the closest pump output flow to meet your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire. You may need to alter the engine operating speed to match your desired flow.
3 If your system required 9 GPM to operate, then you would look for 9 GPM in the columns. Finding the first one under the pump PF4-606 would give you a pump which will deliver the 9 GPM you require at an engine speed of 1,200 RPM. You would also get 9 GPM if you select the PF4-368 pump, but you would need to operate the engine at 2,000 RPM.
4 After you have selected the Pump Series and size, then the complete pump model number can be ordered. The PF4 Series would follow the form of: **PF4-***-16QSRL.** (Pump rear ports are used in this installation. Order appropriate fittings separately.)

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

PF4-870- PF4-818 PF4-714- PF4-606- PF4-502- PF4-424

		2.01 cu.in./Rev		1.89 cu.in./Rev		1.65 cu.in./Rev		1.40 cu.in./Rev		1.16 cu.in./Rev		0.98 cu.in./Rev	
		GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI
			2,320		2,900		2,900		3,625		3,625		3,625
ENGINE SPEED	1,200	13.2	2,320	12.4	2,900	10.8	2,900	9.2	3,625	7.6	3,625	6.4	3,625
	1,300	14.3	2,320	13.4	2,900	11.7	2,900	9.9	3,625	8.2	3,625	6.9	3,625
	1,500	16.4	2,320	15.5	2,900	13.5	2,900	11.5	3,625	9.5	3,625	8.0	3,625
	1,700	18.6	2,320	17.5	2,900	15.3	2,900	13.0	3,625	10.8	3,625	9.1	3,625
	1,900					17.1	2,900	14.5	3,625	12.0	3,625	10.2	3,625
	2,100									13.3	3,625	11.2	3,625
	2,300									14.6	3,625	12.3	3,625

PLEASE NOTE:
The PF4 Series pump required for this application uses a thru-bolt design.
PF4-714 pumps and larger may need modification.
SEE FOOTNOTES

EXCEEDS MAX RPM

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

PF4-368- PF-290- P4-264- PF4-212- PF4-160

		0.85 cu.in./Rev		0.67 cu.in./Rev		0.61 cu.in./Rev		0.49 cu.in./Rev		0.37 cu.in./Rev	
		GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI
			3,625		3,625		3,625		3,625		3,625
ENGINE SPEED	1,200	5,6	3,625	4.4	3,625	4.0	3,625	3.2	3,625	2.4	3,625
	1,300	6.0	3,625	4.8	3,625	4.3	3,625	3.5	3,625	2.6	3,625
	1,500	7.0	3,625	5.5	3,625	5.0	3,625	4.0	3,625	3.0	3,625
	1,700	7.9	3,625	6.2	3,625	5.7	3,625	4.5	3,625	3.4	3,625
	1,900	8.8	3,625	6.9	3,625	6.3	3,625	5.1	3,625	3.8	3,625
	2,100	9.7	3,625	7.7	3,625	7.0	3,625	5.6	3,625	4.2	3,625
	2,300	10.7	3,625	8.4	3,625	7.7	3,625	6.1	3,625	4.6	3,625

PLEASE NOTE:
If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when applying that pump to this application.

To Calculate the PTO output speed:

Engine Speed × 126% = PTO output speed
Ex: Engine speed of 1,400 RPM would yield:
1,400 × 1.26 = 1,764 RPM PTO

A **6 GPM** pump (like the PF4-606) would deliver an output flow of: Disp × RPM/231
1.4 × 1,764/231 = 10.6 GPM

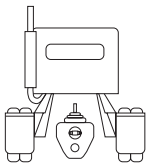
*** Theoretical Flow shown**

Speed shown for pump at 0 in.hg. vacuum.

OBSOLETE

FORD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

2005–2010 (DIESEL) 2005–2016 (GAS)
TORQSHIFT 4x2 AUTOMATIC

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

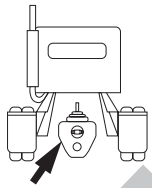
FORD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

FORD 6-BOLT OPENING

2005–2010 (DIESEL), 2005–2016 (GAS)
TORQSHIFT 4x2 AUTOMATIC
Footnotes (1, 4, 5, 6, & 7)

PTO DRIVE GEAR DATA:
121T 14.23P 17.9° PA SPUR
LOCATION: Rear **PLMF:** 1.742
PLV: 2226 FPM **RPM:** 1,000



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	FR63-F1506-*4BX	2, 5	Opp	126					Included	Power	190	55
	FR63-F1506-*4TX	3, 5	Opp	126					Included	Power	190	55
	FR67-F1506-*4BX	7	Opp	126					Included	Power	190	55

FOOTNOTES:
1. Minimum Engine Speed for PTO Operation = 1,200 RPM.
2. Remote mount 1¼" round keyed output shaft.
3. Direct Mount Pump Output. See charts below for hydraulic pump applications ["R" option (⅝-9T) and "Q" option (⅞-13T) output shaft options are available].
4. PTO HP shown is based on the min. 1,200 Engine RPM and PTO output shaft at 1,512 RPM.
5. For gas engine chassis change shift option to "F" (ex: FR63-F1506-F4TX). (Wire harness change 34T41993) (Use for 2005-2014 model year).
6. Optional overspeed protection, order SPD-2000.
7. The FR67 has a built-in solenoid valve and requires a special wiring harness supplied with the PTO. The "D" shift option is for DIESEL engines from 2005-2010. The "G" shift option is for GAS engines 2005-2010. The "F" shift option (F4BX) is for 2011 model year GAS engines. The "F" shift option is for FR67 only and can be used for model years 2005-2011. This PTO is also available with the "N" hydraulic pump mount.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

EXAMPLE:
1. Begin by determining the flow and pressure requirement of your application.
2. Next find the desired engine speed at the left of the chart and follow across to the closest pump output flow to meet your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire. You may need to alter the engine operating speed to match your desired flow.
3. If your system required 9 GPM to operate, then you would look for 9 GPM in the columns. Finding the first one under the pump PF4-606 would give you a pump which will deliver the 9 GPM you require at an engine speed of 1,200 RPM. You would also get 9 GPM if you select the PF4-368 pump, but you would need to operate the engine at 2,000 RPM.
4. After you have selected the Pump Series and size, then the complete pump model number can be ordered. The PF3 Series would follow the form of: **PF4-***-16ASRL.** The PK Series would follow the form of: **PK**-16ASBB** (Pump rear ports are used in this installation. Order appropriate fittings separately.)

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

		PK13-		PK11-		PK8-		PF4-870-		PF4-818		PF4-714-		PF4-606-		PF4-502-		PF4-424	
		2.96 cu.in./Rev		2.46 cu.in./Rev		1.97 cu.in./Rev		2.01 cu.in./Rev		1.83 cu.in./Rev		1.71 cu.in./Rev		1.40 cu.in./Rev		1.16 cu.in./Rev		0.98 cu.in./Rev	
		GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI
			3,000		3,000		3,000		2,320		2,900		2,900		3,625		3,625		3,625
ENGINE SPEED	1,200	19.4	3,000	16.1	3,000	12.9	3,000	13.2	2,320	12.0	2,900	11.2	2,900	9.2	3,625	7.6	3,625	6.4	3,625
	1,300	21.6	3,000	17.4	3,000	14.0	3,000	14.3	2,320	13.0	2,900	12.1	2,900	9.9	3,625	8.2	3,625	6.9	3,625
	1,500	24.2	3,000	20.1	3,000	16.1	3,000	16.4	2,320	14.0	2,900	14.0	2,900	11.5	3,625	9.5	3,625	8.0	3,625
	1,700	27.4	3,000	22.8	3,000	18.3	3,000	18.6	2,320	17.0	2,900	15.9	2,900	13.0	3,625	10.8	3,625	9.1	3,625
	1,900	30.7	3,000	25.5	3,000	20.4	3,000	20.8	2,320	19.0	2,900	17.7	2,900	14.5	3,625	12.0	3,625	10.2	3,625
	2,100	33.9	3,000	28.2	3,000	22.6	3,000									13.3	3,625	11.2	3,625
	2,300			30.9	3,000	24.7	3,000									14.6	3,625	12.3	3,625

EXCEEDS MAX RPM

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

		PF4-368-		PF-290-		P4-264-		PF4-212-		PF4-160	
		0.85 cu.in./Rev		0.73 cu.in./Rev		0.61 cu.in./Rev		0.49 cu.in./Rev		0.37 cu.in./Rev	
		GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI
			3,625		3,625		3,625		3,625		3,625
ENGINE SPEED	1,200	5,6	3,625	4.8	3,625	4.0	3,625	3.2	3,625	2.4	3,625
	1,300	6.0	3,625	5.2	3,625	4.3	3,625	3.5	3,625	2.6	3,625
	1,500	7.0	3,625	6.0	3,625	5.0	3,625	4.0	3,625	3.0	3,625
	1,700	7.9	3,625	6.8	3,625	5.7	3,625	4.5	3,625	3.4	3,625
	1,900	8.8	3,625	7.6	3,625	6.3	3,625	5.1	3,625	3.8	3,625
	2,100	9.7	3,625	8.4	3,625	7.0	3,625	5.6	3,625	4.2	3,625
	2,300	10.7	3,625	9.2	3,625	7.7	3,625	6.1	3,625	4.6	3,625

PLEASE NOTE:
If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when applying that pump to this application.

To Calculate the PTO output speed:

Engine Speed × 126% = PTO output speed
Ex: Engine speed of 1,400 RPM would yield:
1,400 × 1.26 = 1,764 RPM PTO

A **6 GPM** pump (like the PF4-606) would deliver an output flow of: Disp × RPM/231

1.4 × 1,764/231 = 10.6 GPM

*** Theoretical Flow shown**

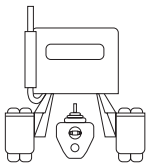
Speed shown for pump at 0 in.hg. vacuum.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

FORD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



2005–2010 DIESEL 2005–2016 (GAS)
TORQSHIFT 4x2 AND 4x4 AUTOMATIC
(5-SPEED)

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

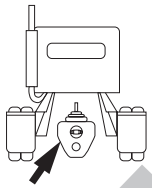
FORD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

2005–2010 (DIESEL)
TORQSHIFT 4x2 AND 4x4 AUTOMATIC
(5-Speed)
Footnotes (1, 4, 5, & 6)
2005–2016 (Gas) Footnotes (1, 4, 5, & 6)

FORD 6-BOLT OPENING

PTO DRIVE GEAR DATA:
121T 14.23P 17.9° PA SPUR
LOCATION: Rear **PLMF:** 1.742
PLV: 2226 FPM **RPM:** 1,000



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	FR67-F1506-D4BX	2, 5, 8	Opp	126					Included	Power	190	55
	FR67-F1506-D4NX	5, 7, 8	Opp	126					Included	Power	190	55
	FR67-F1506-F4NX	2, 5, 7, 8	Opp	126					Included	Power	190	55

FOOTNOTES:
1 Minimum Engine Speed for PTO Operation = 1,200 RPM.
2 Remote mount 1¼" round keyed output shaft. Can only be used on 4×2 applications.
3 Direct Mount Pump Output. See charts below for hydraulic pump applications.
4 PTO HP shown is based on the min. 1,200 Engine RPM and PTO output shaft at 1,512 RPM.
5 For gas engine, use "F" shift option (Harness 34T41993) NOTE: PTOs not installable on pick-up chassis.
6 Optional overspeed protection, order SPD-2000.
7 Direct mount F Series pump may require modification on pumps PF4-714 and larger for clearance to transmission shifter.
8 The FR67 has a built-in solenoid valve. The FR67 PTO replaces the FR64 PTO.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

EXAMPLE:
1 Begin by determining the flow and pressure requirement of your application.
2 Next find the desired engine speed at the left of the chart and follow across to the closest pump output flow to meet your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire. You may need to alter the engine operating speed to match your desired flow.
3 If your system required 9 GPM to operate, then you would look for 9 GPM in the columns. Finding the first one under the pump PF4-606 would give you a pump which will deliver the 9 GPM you require at an engine speed of 1,200 RPM. You would also get 9 GPM if you select the PF4-368 pump, but you would need to operate the engine at 2,000 RPM.
4 After you have selected the Pump Series and size, then the complete pump model number can be ordered. The PF4 Series would follow the form of: **PF4-***-16QSRL.** (Pump rear ports are used in this installation. Order appropriate fittings separately.)

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

PF4-870-(7) PF4-818-(7) PF4-714-(7) PF4-606- PF4-502- PF4-424

		2.01 cu.in./Rev		1.83 cu.in./Rev		1.71 cu.in./Rev		1.40 cu.in./Rev		1.16 cu.in./Rev		0.98 cu.in./Rev	
		GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI
			2,320		2,900		2,900		3,625		3,625		3,625
ENGINE SPEED	1,200	13.2	2,320	12.0	2,900	11.2	2,900	9.2	3,625	7.6	3,625	6.4	3,625
	1,300	14.3	2,320	13.0	2,900	12.1	2,900	9.9	3,625	8.2	3,625	6.9	3,625
	1,500	16.4	2,320	14.0	2,900	14.0	2,900	11.5	3,625	9.5	3,625	8.0	3,625
	1,700	18.6	2,320	17.0	2,900	15.9	2,900	13.0	3,625	10.8	3,625	9.1	3,625
	1,900	20.8	2,320	19.0	2,900	17.7	2,900	14.5	3,625	12.0	3,625	10.2	3,625
	2,100									13.3	3,625	11.2	3,625
	2,300									14.6	3,625	12.3	3,625

PLEASE NOTE:
The PF4 Series pump required for this application uses a thru-bolt design.
PF4-714 pumps and larger may need modification.
SEE FOOTNOTES.

EXCEEDS MAX RPM

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

PF4-368- PF-290- P4-264- PF4-212- PF4-160

		0.85 cu.in./Rev		0.73 cu.in./Rev		0.61 cu.in./Rev		0.49 cu.in./Rev		0.37 cu.in./Rev	
		GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI
			3,625		3,625		3,625		3,625		3,625
ENGINE SPEED	1,200	5,6	3,625	4.8	3,625	4.0	3,625	3.2	3,625	2.4	3,625
	1,300	6.0	3,625	5.2	3,625	4.3	3,625	3.5	3,625	2.6	3,625
	1,500	7.0	3,625	6.0	3,625	5.0	3,625	4.0	3,625	3.0	3,625
	1,700	7.9	3,625	6.8	3,625	5.7	3,625	4.5	3,625	3.4	3,625
	1,900	8.8	3,625	7.6	3,625	6.3	3,625	5.1	3,625	3.8	3,625
	2,100	9.7	3,625	8.4	3,625	7.0	3,625	5.6	3,625	4.2	3,625
	2,300	10.7	3,625	9.2	3,625	7.7	3,625	6.1	3,625	4.6	3,625

PLEASE NOTE:
If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when applying that pump to this application.

To Calculate the PTO output speed:

Engine Speed × 126% = PTO output speed
Ex: Engine speed of 1,400 RPM would yield:
1,400 × 1.26 = 1,764 RPM PTO

A **6 GPM** pump (like the PF4-606) would deliver an output flow of: Disp × RPM/231
1.4 × 1,764/231 = 10.6 GPM

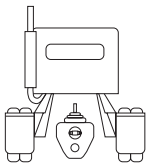
*** Theoretical Flow shown**

Speed shown for pump at 0 in.hg. vacuum.

OBSOLETE

FORD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



2006–2009 FORD/INTERNATIONAL
LOW CAB FORWARD CHASSIS
TORQSHIFT 4x2 AUTOMATIC

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

FORD TRANSMISSION

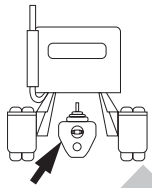
LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

FORD 6-BOLT OPENING

2006–2009 FORD/INTERNATIONAL LOW CAB FORWARD CHASSIS TORQSHIFT 4x2 AUTOMATIC

Footnotes (1 & 4)

PTO DRIVE GEAR DATA:
121T 14.23P 17.9° PA SPUR
LOCATION: Rear **PLMF:** 1.742
PLV: 2226 FPM **RPM:** 1,000



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	FR63-F1506-I4BX	2	Opp	126					Included	Power	190	55
	FR63-F1506-I4TX	3	Opp	126					Included	Power	190	55

FOOTNOTES:

1 Minimum Engine Speed for PTO Operation = 1,200 RPM.
2 Remote mount 1¼" round keyed output shaft.
3 Direct Mount Pump Output. See charts below for hydraulic pump applications ["R" option (⅝-9T) and "Q" option (⅞-13T) output shaft options are available].
4 PTO HP shown is based on the min. 1,200 Engine RPM and PTO output shaft at 1,512 RPM.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

EXAMPLE:

1 Begin by determining the flow and pressure requirement of your application.
2 Next find the desired engine speed at the left of the chart and follow across to the closest pump output flow to meet your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire. You may need to alter the engine operating speed to match your desired flow.
3 If your system required 9 GPM to operate, then you would look for 9 GPM in the columns. Finding the first one under the pump PF4-606 would give you a pump which will deliver the 9 GPM you require at an engine speed of 1,200 RPM. You would also get 9 GPM if you select the PF4-368 pump, but you would need to operate the engine at 2,000 RPM.
4 After you have selected the Pump Series and size, then the complete pump model number can be ordered. The PF4 Series would follow the form of: **PF4-***-16ASRL.** The PK Series would follow the form of: **PK**-16ASBB** (Pump rear ports are used in this installation. Order appropriate fittings separately.)

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

		PK13- 2.96 cu.in./Rev		PK11- 2.46 cu.in./Rev		PK8- 1.97 cu.in./Rev		PF4-870- 2.01 cu.in./Rev		PF4-818 1.83 cu.in./Rev		PF4-714- 1.71 cu.in./Rev		PF4-606- 1.40 cu.in./Rev		PF4-502- 1.16 cu.in./Rev		PF4-424 0.98 cu.in./Rev	
		GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI
			3,000		3,000		3,000		2,320		2,900		2,900		3,625		3,625		3,625
ENGINE SPEED	1,200	19.4	3,000	16.1	3,000	12.9	3,000	13.2	2,320	12.0	2,900	11.2	2,900	9.2	3,625	7.6	3,625	6.4	3,625
	1,300	21.0	3,000	17.4	3,000	14.0	3,000	14.3	2,320	13.0	2,900	12.1	2,900	9.9	3,625	8.2	3,625	6.9	3,625
	1,500	24.2	3,000	20.1	3,000	16.1	3,000	16.4	2,320	14.0	2,900	14.0	2,900	11.5	3,625	9.5	3,625	8.0	3,625
	1,700	27.4	3,000	22.8	3,000	18.3	3,000	18.6	2,320	17.0	2,900	15.9	2,900	13.0	3,625	10.8	3,625	9.1	3,625
	1,900	30.7	3,000	25.5	3,000	20.4	3,000	20.8	2,320	19.0	2,900	17.7	2,900	14.5	3,625	12.0	3,625	10.2	3,625
	2,100	33.9	3,000	28.2	3,000	22.6	3,000									13.3	3,625	11.2	3,625
	2,300			30.9	3,000	24.7	3,000									14.6	3,625	12.3	3,625

EXCEEDS MAX RPM

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

		PF4-368- 0.85 cu.in./Rev		PF-290- 0.73 cu.in./Rev		P4-264- 0.61 cu.in./Rev		PF4-212- 0.49 cu.in./Rev		PF4-160 0.37 cu.in./Rev	
		GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI	GPM	RATED PSI
			3,625		3,625		3,625		3,625		3,625
ENGINE SPEED	1,200	5,6	3,625	4.8	3,625	4.0	3,625	3.2	3,625	2.4	3,625
	1,300	6.0	3,625	5.2	3,625	4.3	3,625	3.5	3,625	2.6	3,625
	1,500	7.0	3,625	6.0	3,625	5.0	3,625	4.0	3,625	3.0	3,625
	1,700	7.9	3,625	6.8	3,625	5.7	3,625	4.5	3,625	3.4	3,625
	1,900	8.8	3,625	7.6	3,625	6.3	3,625	5.1	3,625	3.8	3,625
	2,100	9.7	3,625	8.4	3,625	7.0	3,625	5.6	3,625	4.2	3,625
	2,300	10.7	3,625	9.2	3,625	7.7	3,625	6.1	3,625	4.6	3,625

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when applying that pump to this application.

To Calculate the PTO output speed:

Engine Speed × 126% = PTO output speed
Ex: Engine speed of 1,400 RPM would yield:
1,400 × 1.26 = 1,764 RPM PTO

A **6 GPM** pump (like the PF4-606) would deliver an output flow of: Disp × RPM/231

1.4 × 1,764/231 = 10.6 GPM

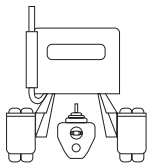
*** Theoretical Flow shown**

Speed shown for pump at 0 in.hg. vacuum.

OBSOLETE

FORD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



TORQSHIFT (6R140 6-SPEED)

2011–2016 (Diesel Only) Super Duty F-250—F-550

4x2 OR 4x4 AUTOMATIC

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

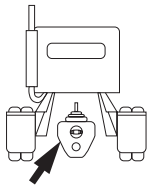
FORD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SUPER DUTY CHASSIS F-250—F-550
TORQSHIFT (6R140 6-SPEED)
2011 -2016 (Diesel Only)
4x2 OR 4x4 AUTOMATIC
Footnotes (1, 2, 5, 6, 7, & 8)

FORD 6-BOLT OPENING

PTO DRIVE GEAR DATA:
52T 12.09P 20° PA Spur
LOCATION: Front PLMF: 3.439
PLV: 1,126 FPM RPM: 1,000



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED	FR6Q-F1209-D3BX	2, 3	Opp	127					Included	Power	200 (2)	38
MULTI GEAR	FR6Q-F1209-D3NX	2, 4	Opp	127					Included	Power	200 (2)	38

FOOTNOTES:
1. Engine driven direct drive PTO gear.
2. Rating shown is for stationary applications only. For Mobile applications the PTO torque rating is 120 lb.ft. for continuous or intermittent duty. For switchable stationary to mobile, order with feature option "B".
3. Remote mount 1¼" round keyed output Shaft. Remote shaft is only usable on 4×2 chassis.
4. Direct Mount Pump Output - see charts below for hydraulic pump applications. Max pump RPM shown at 0 in.Hg.
5. PTO output toque rating is based on the maximum available torque from the transmission.
6. Optional overspeed protection, order SPD-2000, sold separately.
7. The use of the Muncie Power FR6Q and PF Series PTO/Pump combination with Ford "Live Drive" can be used successfully on mobile applications including snow & ice control central hydraulic systems. Please request and review Muncie Power document IN10-12 for important information.
8. Available with Muncie Start®; Special Feature Code "6" for stationary applications, "7" for switchable stationary to mobile.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

Pump Selection Example:

a. First you need to know the flow and pressure requirement of your application.
b. Next find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
c. If your system required 8 GPM to operate. Then you would look for 8 GPM in the columns. Finding the first one under the pump PF4-502 would give you a pump which will deliver the 8 GPM you require at an engine speed of 1,300 RPM. You would also get 8 GPM if you select the PF4-368 pump, but you would need to operate the engine at 1,800 RPM.
d. After you have selected the Pump Series and size the complete pump model number can be ordered.

The PF Series would follow the form of: PF4-*-16QSRL.**

NOTE: PF Series pump shown because chassis envelope limitations prevent the use of larger pump frame sizes on 4x4 chassis.

APPROXIMATE PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

ENGINE SPEED	PF4-870 2.01 cu.in./Rev GPM	PF4-870 MAX. PSI	PF4-818 1.83 cu.in./Rev GPM	PF4-818 MAX. PSI	PF4-714 1.71 cu. in./Re GPM	PF4-714 MAX. PSI	PF4-606 1.4 cu.in./Rev GPM	PF4-606 MAX. PSI	PF4-502 1.16 cu.in./Rev GPM	PF4-502 MAX. PSI	PF4-424 0.98 cu. n./Rev GPM	PF4-424 MAX. PSI
900	9.9	2,320	9.0	2,900	8.4	2,900	6.9	3,625	5.7	3,625	4.8	3,625
1,000	11.1	2,320	10.0	2,900	9.4	2,900	7.7	3,625	6.4	3,625	5.4	3,625
1,100	12.2	2,320	11.0	2,900	10.3	2,900	8.5	3,625	7.0	3,625	5.9	3,625
1,200	13.3	2,320	12.0	2,900	11.2	2,900	9.2	3,625	7.7	3,625	6.5	3,625
1,300	14.4	2,320	13.0	2,900	12.2	2,900	10.0	3,625	8.3	3,625	7.0	3,625
1,500	16.6	2,320	15.0	2,900	14.1	2,900	11.5	3,625	9.6	3,625	8.1	3,625
1,700	18.8	2,320	17.1	2,900	15.9	2,900	13.1	3,625	10.8	3,625	9.2	3,625
1,900	21.0	2,320	19.1	2,900	17.8	2,900	14.6	3,625	12.1	3,625	10.2	3,625
2,100									13.4	3,625	11.3	3,625
2,300									14.7	3,625	12.4	3,625
2,500												

EXCEEDS MAX RPM

ENGINE SPEED	PF4-368 0.85 cu.in./Rev GPM	PF4-368 MAX. PSI	PF4-290 0.73 cu.in./Rev GPM	PF4-290 MAX. PSI	PF4-264 0.61 cu.in./Rev GPM	PF4-264 MAX. PSI	PF4-212 0.49 cu.in./Rev GPM	PF4-212 MAX. PSI	PF4-160 0.37cu.in./Rev GPM	PF4-160 MAX. PSI
900	4.2	3,625	3.6	3,625	3.0	3,625	2.4	3,625	1.8	3,625
1,000	4.7	3,625	4.0	3,625	3.4	3,625	2.7	3,625	2.0	3,625
1,100	5.1	3,625	4.4	3,625	3.7	3,625	3.0	3,625	2.2	3,625
1,200	5.6	3,625	4.8	3,625	4.0	3,625	3.2	3,625	2.4	3,625
1,300	6.1	3,625	5.2	3,625	4.4	3,625	3.5	3,625	2.6	3,625
1,500	7.0	3,625	6.0	3,625	5.0	3,625	4.0	3,625	3.1	3,625
1,700	7.9	3,625	6.8	3,625	5.7	3,625	4.6	3,625	3.5	3,625
1,900	8.9	3,625	7.6	3,625	6.4	3,625	5.1	3,625	3.9	3,625
2,100	9.8	3,625	8.4	3,625	7.0	3,625	5.7	3,625	4.3	3,625
2,300	10.7	3,625	9.2	3,625	7.7	3,625	6.2	3,625	4.7	3,625

*** Theoretical Flow Shown.** **Speed shown for pump at 0 in.Hg. vacuum.**

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 127% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.27 = 1,778 RPM PTO

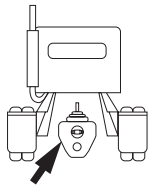
A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM / 231

1.4 × 1,778 / 231 = 10.7 GPM

FORD TRANSMISSION

LEFT SIDE ONLY

6-BOLT OPENING



TORQSHIFT (6R140 6-SPEED)
4x2 F-650 & F-750 CHASSIS GAS ENGINE
MODEL YEAR 2013-2015

Footnotes (1, 2, 5, 6, 7, & 8)

PTO DRIVE GEAR DATA:
52T 12.09P 20° PA Spur
LOCATION: Front PLMF: 3.439
PLV: 1,126 FPM RPM: 1,000

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED	FR6Q-F1209-G3BX	3	Opp	127					Included	Power	200	38
MULTI GEAR	FR6Q-F1209-G3NX	4	Opp	127					Included	Power	200	38

FOOTNOTES:

1 Engine driven direct drive PTO gear.
2 Rating shown is for stationary applications only. For Mobile applications reduce torque to 150 Max int. per Ford Motor Co.
3 Remote mount 1¼" round keyed output shaft.
4 Direct mount pump output - see charts below for hydraulic pump applications. Max pump RPM shown at 0 in.Hg. "Q" & "T" Hyd Output Available.
5 PTO output torque rating is based on the maximum available torque from the transmission.
6 Optional overspeed protection, order SPD-2000, sold separately.
7 Exhaust heat shield recommended. 49T43320 is included with PTO.
8 Available with Muncie Start®; Special Feature Code "6" for stationary applications, "7" for switchable stationary to mobile.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

Pump Selection Example:

a. First you need to know the flow and pressure requirement of your application.
b. Next find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
c. If your system required 8 GPM to operate. Then you would look for 8 GPM in the columns. Finding the first one under the pump PF4-502 would give you a pump which will deliver the 8 GPM you require at an engine speed of 1,300 RPM. You would also get 8 GPM if you select the PF4-368 pump, but you would need to operate the engine at 1,800 RPM.
d. After you have selected the Pump Series and size the complete pump model number can be ordered.

The PF Series would follow the form of: PF4-*-16QSRL (for "N" output option), PF4-***-16ASRL for "T" output option. The PH Series would follow PH1-**-02ASRL-M (Size 03, 05, 07, 08, 09, 11 GPM) for "Q" output option. PK Series would follow PK1-**-02ACRL-M (size 06, 13, 17 GPM) for "Q" output option.**

MODEL PF4-***-16QSRL (PTO OUTPUT "N") APPROXIMATE PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

ENGINE SPEED	PF4-870 2.01 cu.in./Rev GPM	PF4-870 MAX. PSI	PF4-818 1.83 cu.in./Rev GPM	PF4-818 MAX. PSI	PF4-714 1.71 cu.in./Rev GPM	PF4-714 MAX. PSI	PF4-606 1.4 cu.in./Rev GPM	PF4-606 MAX. PSI	PF4-502 1.16 cu.in./Rev GPM	PF4-502 MAX. PSI	PF4-424 0.98 cu.in./Rev GPM	PF4-424 MAX. PSI
900	9.9	2,320	9.0	2,900	8.4	2,900	6.9	3,625	5.7	3,625	4.8	3,625
1,000	11.1	2,320	10.0	2,900	9.4	2,900	7.7	3,625	6.4	3,625	5.4	3,625
1,100	12.2	2,320	11.0	2,900	10.3	2,900	8.5	3,625	7.0	3,625	5.9	3,625
1,200	13.3	2,320	12.0	2,900	11.2	2,900	9.2	3,625	7.7	3,625	6.5	3,625
1,300	14.4	2,320	13.0	2,900	12.2	2,900	10.0	3,625	8.3	3,625	7.0	3,625
1,500	16.6	2,320	15.0	2,900	14.1	2,900	11.5	3,625	9.6	3,625	8.1	3,625
1,700	18.6	2,320	17.1	2,900	15.9	2,900	13.1	3,625	10.8	3,625	9.2	3,625
1,900	21.0	2,320	19.1	2,900	17.8	2,900	14.6	3,625	12.1	3,625	10.2	3,625
2,100									13.4	3,625	11.3	3,625
2,300									14.7	3,625	12.4	3,625
2,500												

EXCEEDS MAX RPM

ENGINE SPEED	PF4-368 0.85 cu.in./Rev GPM	PF4-368 MAX. PSI	PF4-290 0.73 cu.in./Rev GPM	PF4-290 MAX. PSI	PF4-264 0.61 cu.in./Rev GPM	PF4-264 MAX. PSI	PF4-212 0.49 cu.in./Rev GPM	PF4-212 MAX. PSI	PF4-160 0.37cu.in./Rev GPM	PF4-160 MAX. PSI
900	4.2	3,625	3.6	3,625	3.0	3,625	2.4	3,625	1.8	3,625
1,000	4.7	3,625	4.0	3,625	3.4	3,625	2.7	3,625	2.0	3,625
1,100	5.1	3,625	4.4	3,625	3.7	3,625	3.0	3,625	2.2	3,625
1,200	5.6	3,625	4.8	3,625	4.0	3,625	3.2	3,625	2.4	3,625
1,300	6.1	3,625	5.2	3,625	4.4	3,625	3.5	3,625	2.6	3,625
1,500	7.0	3,625	6.0	3,625	5.0	3,625	4.0	3,625	3.1	3,625
1,700	7.9	3,625	6.8	3,625	5.7	3,625	4.6	3,625	3.5	3,625
1,900	8.9	3,625	7.6	3,625	6.4	3,625	5.1	3,625	3.9	3,625
2,100	9.8	3,625	8.4	3,625	7.0	3,625	5.7	3,625	4.3	3,625
2,300	10.7	3,625	9.2	3,625	7.7	3,625	6.2	3,625	4.7	3,625

*** Theoretical Flow Shown. Speed shown for pump at 0 in.Hg. vacuum. Exceeds Max RPM**

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 127% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.27 = 1,778 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,778/231 = 10.7 GPM

MODEL PH1-**-02ASRL-M (PTO OUTPUT "Q") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

	PH1-11 2.48 cu.in./Rev		PH1-09 2.17 cu.in./Rev		PH1-08 1.86 cu.in./Rev		PH1-07 1.55 cu.in./Rev		PH1-05 1.24 cu.in./Rev		PH1-03 0.62 cu.in./Rev	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	12.3	2,500	10.7	2,900	9.2	3,250	7.7	3,500	6.1	3,500	3.1	3,500
1,000	13.6	2,500	11.9	2,900	10.2	3,250	8.5	3,500	6.8	3,500	3.4	3,500
1,100	15.0	2,500	13.1	2,900	11.2	3,250	9.4	3,500	7.5	3,500	3.7	3,500
1,200	16.4	2,500	14.3	2,900	12.3	3,250	10.2	3,500	8.2	3,500	4.1	3,500
1,300	17.7	2,500	15.5	2,900	13.3	3,250	11.1	3,500	8.9	3,500	4.4	3,500
1,500	20.5	2,500	17.9	2,900	15.3	3,250	12.8	3,500	10.2	3,500	5.1	3,500
1,700	23.2	2,500	20.3	2,900	17.4	3,250	14.5	3,500	11.6	3,500	5.8	3,500
1,900	25.9	2,500	22.7	2,900	19.4	3,250	16.2	3,500	13.0	3,500	6.5	3,500

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MODEL PK1-**-02A*RL-M (PTO OUTPUT "Q") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

	PK1-17 3.94 cu.in./Rev		PK1-13 2.96 cu.in./Rev		PK1-06 1.47 cu.in./Rev	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	19.5	2,500	14.6	3,000	7.3	3,000
1,000	21.7	2,500	16.3	3,000	8.1	3,000
1,100	23.8	2,500	17.9	3,000	8.9	3,000
1,200	26.0	2,500	19.5	3,000	9.7	3,000
1,300	28.2	2,500	21.2	3,000	10.5	3,000
1,500	32.5	2,500	24.4	3,000	12.1	3,000
1,700	36.8	2,500	27.7	3,000	13.7	3,000
1,900	41.2	2,500	30.9	3,000	15.4	3,000

*** Theoretical Flow Shown.**

Speed shown for pump at 0 in.Hg. vacuum.

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 127% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.27 = 1,778 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM / 231

1.4 × 1,778 / 231 = 10.7 GPM

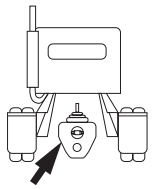
FORD TRANSMISSION

LEFT SIDE ONLY

TORQSHIFT 6R140 6-SPEED
2016-2023 F-650/F-750 GAS OR DIESEL
2017 & LATER F250 THRU F-550 GAS OR DIESEL
F-650/F-750 GAS OR DIESEL ENGINE
Footnotes (1, 2, 5, 6, 7, 8, & 9)

6-BOLT OPENING

PTO DRIVE GEAR DATA:
52T 12.09P 20° PA Spur
LOCATION: Front PLMF: 3.439
PLV: 1,126 FPM RPM: 1,000



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED	FR6Q-F1209-*3BX	3	Opp	127					Included	Power	200	38
MULTI GEAR	FR6Q-F1209-*3NX	4	Opp	127					Included	Power	200	38
	FR6Q-F1209-*3QX	4	Opp	127					Included	Power	200	38

1 Engine driven direct drive PTO gear. *GAS Engine use shift code “F” and for DIESEL Engine use shift code “6” to obtain correct wiring.
2 Rating shown is for stationary applications only. The 2016 GAS engine F-650/F-750 must be used in “Stationary” applications only. The 2017 and later F-250 thru F-550 and F-650/F-750 can be used in stationary or mobile applications. For switchable stationary to mobile operation, order with feature option code “B”.
3 Remote mount 1¼" round keyed output shaft. Driveline version only for 4×2 chassis.
4 Direct Mount Pump Output - see charts below for hydraulic pump applications. Max pump RPM shown at 0 in.Hg. The “Q” or “T” hydraulic output options are available, but only for the 4×2 chassis.
5 PTO output toque rating is based on the maximum available torque from the transmission.
6 Optional overspeed protection, order, sold separately.
7 Exhaust heat shield recommended for GAS engine applications, 49T43320 is included with “F” shift option.
8 F-250 thru F-550 with mechanical shift 4×4 order mounting stud kit 20TK6203 (20TK6054 for older FR66) in addition to the PTO. This is used to reattach the control cable for the transfer case.
9 Available with Muncie Start®; Special Feature Code “6” for stationary applications, “7” for switchable stationary to mobile.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

Pump Selection Example:

a. Understand the flow and pressure requirement of your application.
b. Find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
c. Example: if your system required 8 GPM to operate, then you would look for 8 GPM in the columns. Finding the first one under the pump PF4-502 would give you a pump which will deliver the 8 GPM at 1,300 RPM. You would also get 8 GPM if you select the PF4-368 pump, but you would need to operate the engine at 1,800 RPM.
d. After the Pump Series and size is selected for your application, then complete pump model number can be ordered.

The PF Series would follow the model code: PF4-*-16QSRL. The PH Series would follow the model code: PH1-**-02ASRL-M (Size 03, 05, 07, 08, 09, 11 GPM) for the “Q” output option. PK Series would follow the model code: PK1-**02ACRL-M (size 06, 13, 17 GPM) for the “Q” output option. The W Series (F-650/F-750 Only) will follow the model code: W**-02AJ0-G*G*F14 (“GI” porting for W06-W11 and “GT” porting for W13-W21) for the “Q” output option.**

MODEL PF4-***-16QSRL (PTO OUTPUT “N”) APPROXIMATE PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

ENGINE SPEED	PF4-870 2.01 cu.in./Rev GPM	PF4-870 MAX. PSI	PF4-818 1.83 cu.in./Rev GPM	PF4-818 MAX. PSI	PF4-714 1.71 cu.in./Rev GPM	PF4-714 MAX. PSI	PF4-606 1.4 cu.in./Rev GPM	PF4-606 MAX. PSI	PF4-502 1.16 cu.in./Rev GPM	PF4-502 MAX. PSI	PF4-424 0.98 cu.in./Rev GPM	PF4-424 MAX. PSI
900	9.9	2,320	9.0	2,900	8.4	2,900	6.9	3,625	5.7	3,625	4.8	3,625
1,000	11.1	2,320	10.0	2,900	9.4	2,900	7.7	3,625	6.4	3,625	5.4	3,625
1,100	12.2	2,320	11.0	2,900	10.3	2,900	8.5	3,625	7.0	3,625	5.9	3,625
1,200	13.3	2,320	12.0	2,900	11.2	2,900	9.2	3,625	7.7	3,625	6.5	3,625
1,300	14.4	2,320	13.0	2,900	12.2	2,900	10.0	3,625	8.3	3,625	7.0	3,625
1,500	16.6	2,320	15.0	2,900	14.1	2,900	11.5	3,625	9.6	3,625	8.1	3,625
1,700	18.8	2,320	17.1	2,900	15.9	2,900	13.1	3,625	10.8	3,625	9.2	3,625
1,900	21.0	2,320	19.1	2,900	17.8	2,900	14.6	3,625	12.1	3,625	10.2	3,625
2,100									13.4	3,625	11.3	3,625
2,300									14.7	3,625	12.4	3,625
2,500												

EXCEEDS MAX RPM

ENGINE SPEED	PF4-368 0.85 cu.in./Rev GPM	PF4-368 MAX. PSI	PF4-290 0.73 cu.in./Rev GPM	PF4-290 MAX. PSI	PF4-264 0.61 cu.in./Rev GPM	PF4-264 MAX. PSI	PF4-212 0.49 cu.in./Rev GPM	PF4-212 MAX. PSI	PF4-160 0.37cu.in./Rev GPM	PF4-160 MAX. PSI
900	4.2	3,625	3.6	3,625	3.0	3,625	2.4	3,625	1.8	3,625
1,000	4.7	3,625	4.0	3,625	3.4	3,625	2.7	3,625	2.0	3,625
1,100	5.1	3,625	4.4	3,625	3.7	3,625	3.0	3,625	2.2	3,625
1,200	5.6	3,625	4.8	3,625	4.0	3,625	3.2	3,625	2.4	3,625
1,300	6.1	3,625	5.2	3,625	4.4	3,625	3.5	3,625	2.6	3,625
1,500	7.0	3,625	6.0	3,625	5.0	3,625	4.0	3,625	3.1	3,625
1,700	7.9	3,625	6.8	3,625	5.7	3,625	4.6	3,625	3.5	3,625
1,900	8.9	3,625	7.6	3,625	6.4	3,625	5.1	3,625	3.9	3,625
2,100	9.8	3,625	8.4	3,625	7.0	3,625	5.7	3,625	4.3	3,625
2,300	10.7	3,625	9.2	3,625	7.7	3,625	6.2	3,625	4.7	3,625

*** Theoretical Flow Shown.** **Speed shown for pump at 0 in.Hg. vacuum.**

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 127% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.27 = 1,778 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,778/231 = 10.7 GPM

The PH Series and PK Series Pumps will fit 4x2 chassis Only.

MODEL PH1--02ASRL-M (PTO OUTPUT "Q") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE**

	PH1-11 2.48 cu.in./Rev		PH1-09 2.17 cu.in./Rev		PH1-08 1.86 cu.in./Rev		PH1-07 1.55 cu.in./Rev		PH1-05 1.24 cu.in./Rev		PH1-03 0.62 cu.in./Rev	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	12.3	2,500	10.7	2,900	9.2	3,250	7.7	3,500	6.1	3,500	3.1	3,500
1000	13.6	2,500	11.9	2,900	10.2	3,250	8.5	3,500	6.8	3,500	3.4	3,500
1100	15.0	2,500	13.1	2,900	11.2	3,250	9.4	3,500	7.5	3,500	3.7	3,500
1200	16.4	2,500	14.3	2,900	12.3	3,250	10.2	3,500	8.2	3,500	4.1	3,500
1300	17.7	2,500	15.5	2,900	13.3	3,250	11.1	3,500	8.9	3,500	4.4	3,500
1500	20.5	2,500	17.9	2,900	15.3	3,250	12.8	3,500	10.2	3,500	5.1	3,500
1700	23.2	2,500	20.3	2,900	17.4	3,250	14.5	3,500	11.6	3,500	5.8	3,500
1900	25.9	2,500	22.7	2,900	19.4	3,200	16.2	3,500	13.0	3,500	6.5	3,500

MODEL PK1--02A*RL-M (PTO OUTPUT "Q") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE**

	PK1-17 3.94 cu.in./Rev		PK1-13 2.96 cu.in./Rev		PK1-06 1.47 cu.in./Rev	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	19.5	2,500	14.6	3,000	7.3	3,000
1,000	21.7	2,500	16.3	3,000	8.1	3,000
1,100	23.8	2,500	17.9	3,000	8.9	3,000
1,200	26.0	2,500	19.5	3,000	9.7	3,000
1,300	28.2	2,500	21.2	3,000	10.5	3,000
1,500	32.5	2,500	24.4	3,000	12.1	3,000
1,700	36.8	2,500	27.7	3,000	13.7	3,000
1,900	41.2	2,500	30.9	3,000	15.4	3,000

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 127% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.27 = 1,778 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM / 231

1.4 × 1,778 / 231 = 10.7 GPM

*** Theoretical Flow Shown.**

Speed shown for pump at 0 in.Hg. vacuum.

W Series will only fit on the F-650 or F-750 Series chassis.

MODEL W-02AJ0-G*G*-F14 ("GI" porting for W06-W11 and "GT" porting for W13-W21)**

For the "Q" PTO OUTPUT - APPROXIMATE PUMP FLOW AND MAXIMUM PRESSURE

	W21 4.87 in.³/Rev		W19 4.37 in.³/Rev		W17 3.96 in.³/Rev		W15 3.46 in.³/Rev		W13 2.92 in.³/Rev		W11 2.42 in.³/Rev		W08 1.96 in.³/Rev		W06 1.45 in.³/Rev	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	24.1	2,150	21.6	2,400	19.6	2,650	17.1	3,040	14.4	3,600	12.0	4,300	9.7	4,350	7.2	4,350
1,000	26.8	2,150	24.0	2,400	21.8	2,650	19.0	3,040	16.1	3,600	13.3	4,300	10.8	4,350	8.0	4,350
1,100	29.5	2,150	26.4	2,400	23.9	2,650	20.0	3,040	17.7	3,600	14.6	4,300	11.9	4,350	8.8	4,350
1,200	32.1	2,150	28.8	2,400	26.1	2,650	22.8	3,040	19.3	3,600	16.0	4,300	12.9	4,350	9.6	4,350
1,300	34.8	2,150	31.2	2,400	28.3	2,650	24.7	3,040	20.9	3,600	17.3	4,300	14.0	4,350	10.4	4,350
1,500	40.2	2,150	36.0	2,400	32.7	2,650	28.5	3,040	24.1	3,600	20.0	4,300	16.2	4,350	11.6	4,350
1,700	45.5	2,150	40.8	2,400	37.0	2,650	32.3	3,040	27.3	3,600	22.6	4,300	18.3	4,350	13.6	4,350
1,900	50.9	2,150	45.6	2,400	41.4	2,650	36.1	3,040	30.5	3,600	25.3	4,300	20.5	4,350	15.1	4,350

W SERIES ARE SHOWN WITH LIMITED MAXIMUM PRESSURE DUE TO THE LIMITS OF THE FORD TRANSMISSION.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

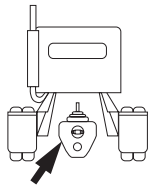
FORD TRANSMISSION

LEFT SIDE ONLY

10-BOLT OPENING

TORQSHIFT 10R140 10-SPEED
2020 & LATER F250 THRU F-600 DIESEL
Footnotes (1, 2, 3, 4, 5, 6, 7, & 8)

PTO DRIVE GEAR DATA:
46T 12.16P 19.1° PA SPUR
LOCATION: Front PLMF: 1.748
PLV: 1,356 FPM RPM: 1,130



10-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED	F20-F1312-DX51XPX		Opp	130					Included	Power	261	50
MULTI GEAR	F20-F1312-DX5TNPX		Opp	130					Included	Power	261	50
	F20-F1312-DX5BAPX		Opp	130					Included	Power	261	50

FOOTNOTES:

1 Engine driven direct drive PTO gear.
2 Rating shown is for stationary applications only.
3 Direct Mount Pump Output - see charts below for hydraulic pump applications. Max pump RPM shown at 0 in.Hg.
4 PTO output torque rating is based on the maximum available torque from the transmission.
5 Optional overspeed protection, order, sold separately.
6 Available with Muncie Start®. Order shift code DS for Muncie Start®.
7 Torque rating in mobile mode limited to 130 lbs.ft./25 HP
8 Remote mount 1¼" round keyed output shaft. Drive line version only for 4×2 chassis.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

Pump Selection Example:

a. Understand the flow and pressure requirement of your application.
b. Find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
c. Example: if your system required 8 GPM to operate, then you would look for 8 GPM in the columns. Finding the first one under the pump PF4-502 would give you a pump which will deliver the 8 GPM at 1,300 RPM. You would also get 8 GPM if you select the PF4-368 pump, but you would need to operate the engine at 1,700 RPM.
d. After the Pump Series and size is selected for your application, then complete pump model number can be ordered.

The PF Series would follow the model code: PF4-*-16QSRL. The PH Series would follow the model code: PH1-**-02ASRL-M (Size 03, 05, 07, 08, 09, 11 GPM) for the "BA" output option.**

MODEL PF4-***-16QSRL (PTO OUTPUT "TN") APPROXIMATE PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

ENGINE SPEED	PF4-870 2.01 cu.in./Rev GPM	PF4-870 MAX. PSI	PF4-818 1.83 cu.in./Rev GPM	PF4-818 MAX. PSI	PF4-714 1.71 cu.in./Rev GPM	PF4-714 MAX. PSI	PF4-606 1.4 cu.in./Rev GPM	PF4-606 MAX. PSI	PF4-502 1.16 cu.in./Rev GPM	PF4-502 MAX. PSI	PF4-424 0.98 cu.in./Rev GPM	PF4-424 MAX. PSI
900	10.2	2,320	9.2	2,900	8.8	2,900	7.1	3,625	5.9	3,625	5.0	3,625
1,000	11.3	2,320	10.2	2,900	9.6	2,900	7.9	3,625	6.5	3,625	5.5	3,625
1,100	12.4	2,320	11.3	2,900	10.5	2,900	8.7	3,625	7.2	3,625	6.1	3,625
1,200	13.6	2,320	12.3	2,900	11.5	2,900	9.5	3,625	7.8	3,625	6.6	3,625
1,300	14.7	2,320	13.3	2,900	12.5	2,900	10.2	3,625	8.5	3,625	7.2	3,625
1,500	17.0	2,320	15.4	2,900	14.4	2,900	11.8	3,625	9.8	3,625	8.3	3,625
1,700	19.2	2,320	17.5	2,900	16.3	2,900	13.4	3,625	11.1	3,625	9.4	3,625
1,900	21.5	2,320	19.5	2,900	18.2	2,900	15.0	3,625	12.4	3,625	10.5	3,625
2,100									13.7	3,625	11.6	3,625
2,300									15.0	3,625	12.7	3,625
2,500												

ENGINE SPEED	PF4-368 0.85 cu.in./Rev GPM	PF4-368 MAX. PSI	PF4-290 0.73 cu.in./Rev GPM	PF4-290 MAX. PSI	PF4-264 0.61 cu.in./Rev GPM	PF4-264 MAX. PSI	PF4-212 0.49 cu.in./Rev GPM	PF4-212 MAX. PSI	PF4-160 0.37cu.in./Rev GPM	PF4-160 MAX. PSI
900	4.3	3,625	3.6	3,625	3.1	3,625	2.5	3,625	1.9	3,625
1,000	4.8	3,625	4.1	3,625	3.4	3,625	2.8	3,625	2.1	3,625
1,100	5.3	3,625	4.5	3,625	3.8	3,625	3.0	3,625	2.3	3,625
1,200	5.7	3,625	4.9	3,625	4.1	3,625	3.3	3,625	2.5	3,625
1,300	6.2	3,625	5.3	3,625	4.5	3,625	3.6	3,625	2.7	3,625
1,500	7.2	3,625	6.1	3,625	5.1	3,625	4.1	3,625	3.1	3,625
1,700	8.1	3,625	6.9	3,625	5.8	3,625	4.7	3,625	3.5	3,625
1,900	9.1	3,625	7.8	3,625	6.5	3,625	5.2	3,625	4.0	3,625
2,100	10.0	3,625	8.6	3,625	7.2	3,625	5.8	3,625	4.3	3,625
2,300	11.0	3,625	9.4	3,625	7.9	3,625	6.3	3,625	4.8	3,625
2,500										

*** Theoretical Flow Shown.** **Speed shown for pump at 0 in.Hg. vacuum.**

EXCEEDS MAX RPM

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,820/231 = 11.0 GPM

MODEL PH1-**-02ASRL-M (PTO OUTPUT "BA") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

ENGINE SPEED	PH1-11 2.48 cu.in./Rev		PH1-09 2.17 cu.in./Rev		PH1-08 1.86 cu.in./Rev		PH1-07 1.55 cu.in./Rev		PH1-05 1.24 cu.in./Rev		PH1-03 0.62 cu.in./Rev	
	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	12.6	2,500	11.0	2,900	9.4	3,250	7.9	3,500	6.3	3,500	3.1	3,500
1000	14.0	2,500	12.2	2,900	10.5	3,250	8.7	3,500	7.0	3,500	3.5	3,500
1100	15.4	2,500	13.4	2,900	11.5	3,250	9.6	3,500	7.7	3,500	3.8	3,500
1200	16.7	2,500	14.7	2,900	12.6	3,250	10.5	3,500	8.4	3,500	4.2	3,500
1300	18.1	2,500	15.9	2,900	13.6	3,250	11.3	3,500	9.1	3,500	4.5	3,500
1500	20.9	2,500	18.3	2,900	15.7	3,250	13.1	3,500	10.5	3,500	5.2	3,500
1700	23.7	2,500	20.8	2,900	17.8	3,250	14.8	3,500	11.9	3,500	5.9	3,500
1900	26.5	2,500	23.2	2,900	19.9	3,250	16.6	3,500	13.3	3,500	6.6	3,500

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,820/231 = 11.0 GPM

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

NOTE: PK SERIES PUMPS ARE FOR 4X2 TRUCKS ONLY

MODEL PK1-**-02ACRL-M (PTO OUTPUT "BA") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

ENGINE SPEED	PK1-17 3.94 cu.in./Rev		PK1-13 2.96 cu.in./Rev		PK1-06 1.47 cu.in./Rev	
	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	20.0	2,500	15.0	3,000	7.4	3,000
1,000	23.3	2,500	16.7	3,000	8.3	3,000
1,100	24.4	2,500	18.3	3,000	9.1	3,000
1,200	26.6	2,500	20.0	3,000	9.9	3,000
1,300	28.8	2,500	21.7	3,000	10.8	3,000
1,500	33.3	2,500	25.0	3,000	12.4	3,000
1,700	37.7	2,500	28.3	3,000	14.1	3,000
1,900	41.1	2,500	31.7	3,000	15.7	3,000

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,820/231 = 11.0 GPM

*** Theoretical Flow Shown.**

Speed shown for pump at 0 in.Hg. vacuum.

MODEL 24FXG-025-S-00000 (PTO OUTPUT "UU") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

	24FXG-025 1.56 cu.in.³/Rev	
	GPM	MAX. PSI
900	7.90	6,525
1,000	8.78	6,525
1,100	9.66	6,525
1,200	10.54	6,525
1,300	11.41	6,525
1,500	13.17	6,525
1,700	14.93	6,525
1,900		

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,820/231 = 11.0 GPM

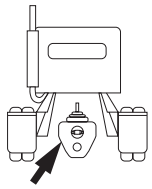
EXCEEDS MAX RPM

*** Theoretical Flow Shown.**

FORD TRANSMISSION

LEFT SIDE ONLY

10-BOLT OPENING



TORQSHIFT 10R140 10-SPEED
2020 & LATER F250 THRU F-600 GAS
Footnotes (1, 2, 3, 4, 5, 6, 7, & 8)

PTO DRIVE GEAR DATA:
46T 12.16P 19.1° PA
LOCATION: Front **PLMF: 1.748**
PLV: 1,356 FPM **RPM: 1,130**

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	F20-F1312-GX51XPX		Opp	130					Included	Power	217	41
	F20-F1312-GX5TNPX		Opp	130					Included	Power	217	41
	F20-F1312-GX5BAPX		Opp	130					Included	Power	217	41

FOOTNOTES:

1 Engine driven direct drive PTO gear.
2 Rating shown is for stationary applications only.
3 Direct Mount Pump Output - see charts below for hydraulic pump applications. Max pump RPM shown at 0 in.Hg.
4 PTO output torque rating is based on the maximum available torque from the transmission.
5 Optional overspeed protection, order, sold separately.
6 Available with Muncie Start®. Order shift code GS for Muncie Start®.
7 Torque rating in mobile mode limited to 109 lbs.ft./21 HP with 7.3L gas engine, and 100 lbs.ft./19 Hp with 6.2L gas engine.
8 Remote mount 1¼" round keyed output shaft. Drive line version only for 4×2 chassis.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

Pump Selection Example:

a. Understand the flow and pressure requirement of your application.
b. Find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
c. Example: if your system required 8 GPM to operate, then you would look for 8 GPM in the columns. Finding the first one under the pump PF4-502 would give you a pump which will deliver the 8 GPM at 1,300 RPM. You would also get 8 GPM if you select the PF4-368 pump, but you would need to operate the engine at 1,700 RPM.
d. After the Pump Series and size is selected for your application, then complete pump model number can be ordered.

The PF Series would follow the model code: PF4-*-16QSRL. The PH Series would follow the model code: PH1-**-02ASRL-M (Size 03, 05, 07, 08, 09, 11 GPM) for the "BA" output option.**

MODEL PF4-***-16QSRL (PTO OUTPUT "TN") APPROXIMATE PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

ENGINE SPEED	PF4-870 2.01 cu.in./Rev GPM	PF4-870 MAX. PSI	PF4-818 1.83 cu.in./Rev GPM	PF4-818 MAX. PSI	PF4-714 1.71 cu.in./Rev GPM	PF4-714 MAX. PSI	PF4-606 1.4 cu.in./Rev GPM	PF4-606 MAX. PSI	PF4-502 1.16 cu.in./Rev GPM	PF4-502 MAX. PSI	PF4-424 0.98 cu.in./Rev GPM	PF4-424 MAX. PSI
900	10.2	2,320	9.2	2,900	8.6	2,900	7.1	3,625	5.9	3,625	5.0	3,625
1,000	11.3	2,320	10.2	2,900	9.6	2,900	7.9	3,625	6.5	3,625	5.5	3,625
1,100	12.4	2,320	11.3	2,900	10.5	2,900	8.7	3,625	7.2	3,625	6.1	3,625
1,200	13.6	2,320	12.3	2,900	11.5	2,900	9.5	3,625	7.8	3,625	6.6	3,625
1,300	14.7	2,320	13.3	2,900	12.5	2,900	10.2	3,625	8.5	3,625	7.2	3,625
1,500	17.0	2,320	15.4	2,900	14.4	2,900	11.8	3,625	9.8	3,625	8.3	3,625
1,700	19.2	2,320	17.5	2,900	16.3	2,900	13.4	3,625	11.1	3,625	9.4	3,625
1,900	21.5	2,320	19.5	2,900	18.2	2,900	15.0	3,625	12.4	3,625	10.5	3,625
2,100									13.7	3,625	11.6	3,625
2,300									15.0	3,625	12.7	3,625
2,500												

EXCEEDS MAX RPM

ENGINE SPEED	PF4-368 0.85 cu.in./Rev GPM	PF4-368 MAX. PSI	PF4-290 0.73 cu.in./Rev GPM	PF4-290 MAX. PSI	PF4-264 0.61 cu.in./Rev GPM	PF4-264 MAX. PSI	PF4-212 0.49 cu.in./Rev GPM	PF4-212 MAX. PSI	PF4-160 0.37cu.in./Rev GPM	PF4-160 MAX. PSI
900	4.3	3,625	3.6	3,625	3.1	3,625	2.5	3,625	1.9	3,625
1,000	4.8	3,625	4.1	3,625	3.4	3,625	2.8	3,625	2.1	3,625
1,100	5.3	3,625	4.5	3,625	3.8	3,625	3.0	3,625	2.3	3,625
1,200	5.7	3,625	4.9	3,625	4.1	3,625	3.3	3,625	2.5	3,625
1,300	6.2	3,625	5.3	3,625	4.5	3,625	3.6	3,625	2.7	3,625
1,500	7.2	3,625	6.1	3,625	5.1	3,625	4.1	3,625	3.1	3,625
1,700	8.1	3,625	6.9	3,625	5.8	3,625	4.7	3,625	3.5	3,625
1,900	9.1	3,625	7.8	3,625	6.5	3,625	5.2	3,625	4.0	3,625
2,100	10.0	3,625	8.6	3,625	7.2	3,625	5.8	3,625	4.3	3,625
2,300	11.0	3,625	9.4	3,625	7.9	3,625	6.3	3,625	4.8	3,625
2,500										

*** Theoretical Flow Shown.** **Speed shown for pump at 0 in.Hg. vacuum.**

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,820/231 = 11.0 GPM

MODEL PH1-**-02ASRL-M (PTO OUTPUT "BA") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

ENGINE SPEED	PH1-11 2.48 cu.in./Rev		PH1-09 2.17 cu.in./Rev		PH1-08 1.86 cu.in./Rev		PH1-07 1.55 cu.in./Rev		PH1-05 1.24 cu.in./Rev		PH1-03 0.62 cu.in./Rev	
	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	12.6	2,500	11.0	2,900	9.4	3,250	7.9	3,500	6.3	3,500	3.1	3,500
1000	14.0	2,500	12.2	2,900	10.5	3,250	8.7	3,500	7.0	3,500	3.5	3,500
1100	15.4	2,500	13.4	2,900	11.5	3,250	9.6	3,500	7.7	3,500	3.8	3,500
1200	16.7	2,500	14.7	2,900	12.6	3,250	10.5	3,500	8.4	3,500	4.2	3,500
1300	18.1	2,500	15.9	2,900	13.6	3,250	11.3	3,500	9.1	3,500	4.5	3,500
1500	20.9	2,500	18.3	2,900	15.7	3,250	13.1	3,500	10.5	3,500	5.2	3,500
1700	23.7	2,500	20.8	2,900	17.8	3,250	14.8	3,500	11.9	3,500	5.9	3,500
1900	26.5	2,500	23.2	2,900	19.9	3,250	16.6	3,500	13.3	3,500	6.6	3,500

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,820/231 = 11.0 GPM

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

NOTE: PK SERIES PUMPS ARE FOR 4X2 TRUCKS ONLY

MODEL PK1-**-02ACRL-M (PTO OUTPUT "BA") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

ENGINE SPEED	PK1-17 3.94 cu.in./Rev		PK1-13 2.96 cu.in./Rev		PK1-06 1.47 cu.in./Rev	
	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	20.0	2,500	15.0	3,000	7.4	3,000
1,000	23.3	2,500	16.7	3,000	8.3	3,000
1,100	24.4	2,500	18.3	3,000	9.1	3,000
1,200	26.6	2,500	20.0	3,000	9.9	3,000
1,300	28.8	2,500	21.7	3,000	10.8	3,000
1,500	33.3	2,500	25.0	3,000	12.4	3,000
1,700	37.7	2,500	28.3	3,000	14.1	3,000
1,900	41.1	2,500	31.7	3,000	15.7	3,000

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,820/231 = 11.0 GPM

*** Theoretical Flow Shown.**

Speed shown for pump at 0 in.Hg. vacuum.

MODEL 24FXG-025-S-00000 (PTO OUTPUT "UU") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

	24FXG-025 1.56 cu.in.³/Rev	
	GPM	MAX. PSI
900	7.90	6,525
1,000	8.78	6,525
1,100	9.66	6,525
1,200	10.54	6,525
1,300	11.41	6,525
1,500	13.17	6,525
1,700	14.93	6,525
1,900		

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,820/231 = 11.0 GPM

EXCEEDS MAX RPM

*** Theoretical Flow Shown.**

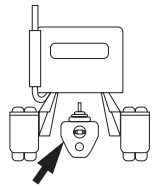
FORD TRANSMISSION

LEFT SIDE ONLY

8-BOLT OPENING

TORQSHIFT 10R140 10-SPEED
2024 & LATER F-650—F-750 DIESEL
Footnotes (1, 2, 3, 4, & 5)

PTO DRIVE GEAR DATA:
46T 12.16P 19.1° PA SPUR
LOCATION: Front **PLMF: 1.748**
PLV: 1,356 FPM **RPM: 1,130**



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM of PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM of PTO HP
SINGLE SPEED MULTI GEAR	F22-F1312-DX51XPX		Opp	130					Included	Power	261	50
	F22-F1312-DX5TNPX		Opp	130					Included	Power	261	50
	F22-F1312-DX5BAPX		Opp	130					Included	Power	261	50
	F22-F1312-DX5BBPX		Opp	130					Included	Power	261	50

FOOTNOTES:
1. Engine driven direct drive PTO gear.
2. Rating shown is for stationary applications only.
3. Direct Mount Pump Output - see charts below for hydraulic pump applications. Max pump RPM shown at 0 in.Hg.
4. Compatible with SPD-2000 Series overspeed protection device. Sold separately.
5. Available with Muncie Start®. Order shift code DS for Muncie Start®.
6. Hoist pump applications must be air shifted. Truck must be equipped with air compressor.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

Pump Selection Example:

a. Understand the flow and pressure requirement of your application.
b. Find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
c. Example: if your system required 8 GPM to operate, then you would look for 8 GPM in the columns. Finding the first one under the pump PF4-502 would give you a pump which will deliver the 8 GPM at 1,300 RPM. You would also get 8 GPM if you select the PF4-368 pump, but you would need to operate the engine at 1,700 RPM.
d. After the Pump Series and size is selected for your application, then complete pump model number can be ordered.

The PF Series would follow the model code: PF4-*-16QSRL. The PH Series would follow the model code: PH1-**-02ASBL (Size 03, 05, 07, 08, 09, 11 GPM) for the "BA" output option.**

MODEL PF4-***-16QSRL (PTO OUTPUT "TN") APPROXIMATE PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

	PF4-870 2.01 cu.in./Rev		PF4-818 1.83 cu.in./Rev		PF4-714 1.71 cu.in./Rev		PF4-606 1.4 cu.in./Rev		PF4-502 1.16 cu.in./Rev		PF4-424 0.98 cu.in./Rev	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	10.2	2,320	9.2	2,900	8.8	2,900	7.1	3,625	5.9	3,625	5.0	3,625
1,000	11.3	2,320	10.2	2,900	9.6	2,900	7.9	3,625	6.5	3,625	5.5	3,625
1,100	12.4	2,320	11.3	2,900	10.5	2,900	8.7	3,625	7.2	3,625	6.1	3,625
1,200	13.6	2,320	12.3	2,900	11.5	2,900	9.5	3,625	7.8	3,625	6.6	3,625
1,300	14.7	2,320	13.3	2,900	12.5	2,900	10.2	3,625	8.5	3,625	7.2	3,625
1,500	17.0	2,320	15.4	2,900	14.4	2,900	11.8	3,625	9.8	3,625	8.3	3,625
1,700	19.2	2,320	17.5	2,900	16.3	2,900	13.4	3,625	11.1	3,625	9.4	3,625
1,900	21.5	2,320	19.5	2,900	18.2	2,900	15.0	3,625	12.4	3,625	10.5	3,625
2,100									13.7	3,625	11.6	3,625
2,300									15.0	3,625	12.7	3,625
2,500												

	PF4-368 0.85 cu.in./Rev		PF4-290 0.73 cu.in./Rev		PF4-264 0.61 cu.in./Rev		PF4-212 0.49 cu.in./Rev		PF4-160 0.37cu.in./Rev	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	4.3	3,625	3.6	3,625	3.1	3,625	2.5	3,625	1.9	3,625
1,000	4.8	3,625	4.1	3,625	3.4	3,625	2.8	3,625	2.1	3,625
1,100	5.3	3,625	4.5	3,625	3.8	3,625	3.0	3,625	2.3	3,625
1,200	5.7	3,625	4.9	3,625	4.1	3,625	3.3	3,625	2.5	3,625
1,300	6.2	3,625	5.3	3,625	4.5	3,625	3.6	3,625	2.7	3,625
1,500	7.2	3,625	6.1	3,625	5.1	3,625	4.1	3,625	3.1	3,625
1,700	8.1	3,625	6.9	3,625	5.8	3,625	4.7	3,625	3.5	3,625
1,900	9.1	3,625	7.8	3,625	6.5	3,625	5.2	3,625	4.0	3,625
2,100	10.0	3,625	8.6	3,625	7.2	3,625	5.8	3,625	4.3	3,625
2,300	11.0	3,625	9.4	3,625	7.9	3,625	6.3	3,625	4.8	3,625
2,500										

*** Theoretical Flow Shown.** **Speed shown for pump at 0 in.Hg. vacuum.**

EXCEEDS MAX RPM

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,820/231 = 11.0 GPM

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MODEL PH1-**-02ASBL (PTO OUTPUT "BA") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

ENGINE SPEED	PH1-11 2.48 cu.in./Rev		PH1-09 2.17 cu.in./Rev		PH1-08 1.86 cu.in./Rev		PH1-07 1.55 cu.in./Rev		PH1-05 1.24 cu.in./Rev		PH1-03 0.62 cu.in./Rev	
	GPM	MAX. PSI	GPM	MAX.PSI	GPM	MAX.PSI	GPM	MAX.PSI	GPM	MAX.PSI	GPM	MAX.PSI
900	12.6	2,500	11.0	2,900	9.4	3,250	7.9	3,500	6.3	3,500	3.1	3,500
1000	14.0	2,500	12.2	2,900	10.5	3,250	8.7	3,500	7.0	3,500	3.5	3,500
1100	15.4	2,500	13.4	2,900	11.5	3,250	9.6	3,500	7.7	3,500	3.8	3,500
1200	16.7	2,500	14.7	2,900	12.6	3,250	10.5	3,500	8.4	3,500	4.2	3,500
1300	18.1	2,500	15.9	2,900	13.6	3,250	11.3	3,500	9.1	3,500	4.5	3,500
1500	20.9	2,500	18.3	2,900	15.7	3,250	13.1	3,500	10.5	3,500	5.2	3,500
1700	23.7	2,500	20.8	2,900	17.8	3,250	14.8	3,500	11.9	3,500	5.9	3,500
1900	26.5	2,500	23.2	2,900	19.9	3,250	16.6	3,500	13.3	3,500	6.6	3,500

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp. × RPM/231

1.4 × 1,820/231 = 11.0 GPM

MODEL S2AD1-**-02BPRL (PTO OUTPUT "BB") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

ENGINE SPEED	S2AD1-15 3.94 cu.in./Rev		S2AD1-11 2.96 cu.in./Rev		S2AD1-06 1.47 cu.in./Rev	
	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	20.0	2,500	15.0	3,000	7.4	3,000
1,000	23.3	2,500	16.7	3,000	8.3	3,000
1,100	24.4	2,500	18.3	3,000	9.1	3,000
1,200	26.6	2,500	20.0	3,000	9.9	3,000
1,300	28.8	2,500	21.7	3,000	10.8	3,000
1,500	33.3	2,500	25.0	3,000	12.4	3,000
1,700	37.7	2,500	28.3	3,000	14.1	3,000
1,900	41.1	2,500	31.7	3,000	15.7	3,000

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp. × RPM/231

1.4 × 1,820/231 = 11.0 GPM

*** Theoretical Flow Shown.**

Speed shown for pump at 0 in.Hg. vacuum.

Note: S Series pumps must be air shifted due to space constraints. Truck must be ordered with factory air compressor, or after-market unit must be installed for hoist pump actuation.

MODEL PKS1-**-02BSBB OR PK1-**-02BSBB (PTO OUTPUT "BB") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

ENGINE SPEED	PK1-17 3.94 cu.in./Rev		PK1-15 3.45 cu.in./Rev		PK1-13 2.96 cu.in./Rev		PK1-11 2.46 cu.in./Rev		PK1-08 1.97 cu.in./Rev		PK1-06 1.47 cu.in./Rev		PK1-04 0.98 cu.in./Rev	
	GPM	MAX.PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	20.0	2,500	17.5	2,500	15.0	3,000	12.5	3,000	10.0	3,000	7.4	3,000	5.0	3,000
1,000	23.3	2,500	19.4	2,500	16.7	3,000	13.8	3,000	11.1	3,000	8.3	3,000	5.5	3,000
1,100	24.4	2,500	21.4	2,500	18.3	3,000	15.2	3,000	12.2	3,000	9.1	3,000	6.1	3,000
1,200	26.6	2,500	23.3	2,500	20.0	3,000	16.6	3,000	13.3	3,000	9.9	3,000	6.6	3,000
1,300	28.8	2,500	25.2	2,500	21.7	3,000	18.0	3,000	14.4	3,000	10.8	3,000	7.2	3,000
1,400	31.9	2,500	27.2	2,500	23.3	3,000	19.4	3,000	15.5	3,000	11.6	3,000	7.7	3,000
1,500	33.3	2,500	29.1	2,500	25.0	3,000	20.8	3,000	16.6	3,000	12.4	3,000	8.3	3,000
1,700	37.7	2,500	33.0	2,500	28.3	3,000	23.5	3,000	18.8	3,000	14.1	3,000	9.4	3,000
1,900	41.1	2,500	36.9	2,500	31.7	3,000	26.3	3,000	21.1	3,000	15.7	3,000	10.5	3,000

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp. × RPM/231

1.4 × 1,820/231 = 11.0 GPM

*** Theoretical Flow Shown.**

Speed shown for pump at 0 in.Hg. vacuum.

MODEL 24FXG-025-S-00000 (PTO OUTPUT "UU") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

ENGINE SPEED	24FXG-025 1.56 cu.in.³/Rev	
	GPM	MAX. PSI
900	7.90	6,525
1,000	8.78	6,525
1,100	9.66	6,525
1,200	10.54	6,525
1,300	11.41	6,525
1,500	13.17	6,525
1,700	14.93	6,525
1,900		

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.30 = 1,820 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

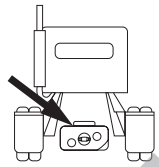
1.4 × 1,820/231 = 11.0 GPM

EXCEEDS MAX RPM

*** Theoretical Flow Shown.**

FULLER TRANSMISSION

TOP SIDE ONLY
(BOTTOM SIDE TURN PAGE)



AT-1202 (Auxiliary)
(Speeds shown with the main transmission in direct drive)
Footnote (2)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
30T 5P 20° Spur
LOCATION: Front **PLMF:** .775
PLV: 1465 FPM **RPM:** 933

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U5704-C3BX	1	Opp	50				23M80032	Included	Cable	285	54
	TG8S-U5705-C3BX	1	Opp	66				23M80032	Included	Cable	270	51
	TG8S-U5706-C3BX	1	Opp	86				23M80032	Included	Cable	245	47
	TG8S-U5707-C3BX	1	Opp	101				23M80032	Included	Cable	230	44
	TG8S-U5708-C3BX	1	Opp	124				23M80032	Included	Cable	230	44
	TG8S-U5709-C3BX	1	Opp	129				23M80032	Included	Cable	205	39
	TG8S-U5712-C3BH	1	Opp	158				23M80032	Included	Cable	210	40
	TG8S-U5713-C3BH	1	Opp	180				23M80032	Included	Cable	210	40
	TG8S-U5715-C3BH	1	Opp	203				23M80032	Included	Cable	195	37
	TG8S-U5718-C3BH	1	Opp	241				23M80032	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL8S-U5705-L3BX	3	Opp	78		78		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U5713-L3CX		Opp	133					Included	Lever	375	71
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6 & 11)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 11)
- **OUTPUT SHAFT** (see pages 6 & 11)
- **SPECIAL OPTIONS** (see pages 6 & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34451 — Refer to kit program on pages 27-29.
2 There are two shifter options for this auxiliary transmission. Only one of them has a neutral position for stationary operation with PTO. Contact your truck dealer for conversion.
3 Do not use RL Series for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

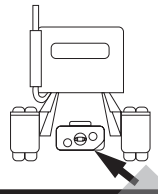
FULLER TRANSMISSION

BOTTOM SIDE ONLY
(TOP SIDE TURN PAGE)

AT-1202 (Auxiliary)
(Speeds shown with the main transmission in direct drive)
Footnote (2)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
30T 5P 20° Spur
LOCATION: Front **PLMF:** 1.05
PLV: 1465 FPM **RPM:** 933



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U5704-C1BX	1	Opp	50				23M60032S	Included	Cable	285	54
	TG6S-U5705-C1BX	1	Opp	66				23M60032S	Included	Cable	270	51
	TG6S-U5706-C1BX	1	Opp	86				23M60032S	Included	Cable	245	47
	TG6S-U5707-C1BX	1	Opp	101				23M60032S	Included	Cable	230	44
	TG6S-U5708-C1BX	1	Opp	124				23M60032S	Included	Cable	230	44
	TG6S-U5709-C1BX	1	Opp	129				23M60032S	Included	Cable	205	39
	TG6S-U5712-C1BH	1	Opp	158				23M60032S	Included	Cable	210	40
	TG6S-U5713-C1BH	1	Opp	180				23M60032S	Included	Cable	210	40
	TG6S-U5715-C1BH	1	Opp	203				23M60032S	Included	Cable	195	37
	TG6S-U5718-C1BH	1	Opp	241				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U5705-L3BX	3	Opp	78		78		23M60240S	20MK6603	Lever	200	38

ADAPTER TO CHANGE ROTATION		40TU5700 + 23M62000 + 23M60032S + 20MK6631	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34451 — Refer to kit program on pages 27-29.
2 There are two shifter options for this auxiliary transmission. Only one of them has a neutral position for stationary operation with PTO. Contact your truck dealer for conversion.
3 Do not use RL Series for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

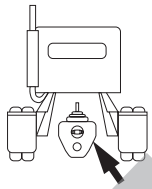
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FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
25T 5.700P 25° PA 38.7° R.H.
LOCATION: Front **PLMF:** 1.085
PLV: 646 FPM **RPM:** 459



FS-3005A (1988 & before)[2]
FS-4005A (before Nov. 87)[3]
CL-450 (Clark)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C5707-C1BX	1	Opp	46					Included	Cable	230	44
	TG6S-C5708-C1BX	1	Opp	57					Included	Cable	230	44
	TG6S-C5709-C1BX	1	Opp	59					Included	Cable	205	39
	TG6S-C5712-C1BH	1	Opp	72					Included	Cable	210	40
	TG6S-C5713-C1BH	1	Opp	82					Included	Cable	210	40
	TG6S-C5715-C1BH	1	Opp	93					Included	Cable	195	37
	TG6S-C5718-C1BH	1	Opp	110					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34810 — Refer to kit program on pages 27-29.
2 See Page TI-20 for identification.
3 See Page TI-21 for identification.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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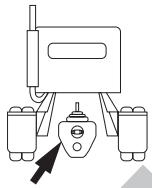
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

FS-3005A (1988 & before)[2]
FS-4005A (before Nov. 87)[3]
CL-450 (Clark)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
25T 5.700P 25° PA 38.7° R.H.
LOCATION: Front **PLMF:** 1.085
PLV: 646 FPM **RPM:** 459



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C5707-C3BX	1, 4	Opp	46					Included	Cable	230	44
	TG6S-C5708-C3BX	1, 4	Opp	57					Included	Cable	230	44
	TG6S-C5709-C3BX	1, 4	Opp	59					Included	Cable	205	39
	TG6S-C5712-C3BH	1, 4	Opp	72					Included	Cable	210	40
	TG6S-C5713-C3BH	1, 4	Opp	82					Included	Cable	210	40
	TG6S-C5715-C3BH	1, 4	Opp	93					Included	Cable	195	37
	TG6S-C5718-C3BH	1, 4	Opp	110					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34810 — Refer to kit program on pages 27 & 28.
2 See Page TI-20 for identification.
3 See Page TI-21 for identification.
4 Direct mount pump is limited to PK Series, single pump, due to transmission case interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

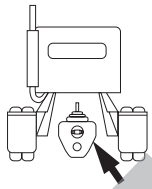
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FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
25T 5.700P 25° PA 38.7° R.H.
LOCATION: Front **PLMF:** 1.085
PLV: 745 FPM **RPM:** 529



FS-3005B (1988 & before)[2]
FS-4005B (before Nov. 87)[3]
CL-455 (Clark)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C5707-C1BX	1	Opp	53					Included	Cable	230	44
	TG6S-C5708-C1BX	1	Opp	65					Included	Cable	230	44
	TG6S-C5709-C1BX	1	Opp	68					Included	Cable	205	39
	TG6S-C5712-C1BH	1	Opp	84					Included	Cable	210	40
	TG6S-C5713-C1BH	1	Opp	95					Included	Cable	210	40
	TG6S-C5715-C1BH	1	Opp	107					Included	Cable	195	37
	TG6S-C5718-C1BH	1	Opp	127					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34810 — Refer to kit program on pages 27-29.
2 See Page TI-20 for identification.
3 See Page TI-21 for identification.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

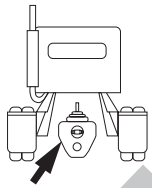
OBSOLETE

FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
25T 5.700P 25° PA 38.7° R.H.
LOCATION: Front **PLMF:** 1.085
PLV: 745 FPM **RPM:** 529



FS-3005B (1988 & before)[2]
FS-4005B (before Nov. 87)[3]
CL-455 (Clark)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C5707-C3BX	1, 4	Opp	53					Included	Cable	230	44
	TG6S-C5708-C3BX	1, 4	Opp	65					Included	Cable	230	44
	TG6S-C5709-C3BX	1, 4	Opp	68					Included	Cable	205	39
	TG6S-C5712-C3BH	1, 4	Opp	84					Included	Cable	210	40
	TG6S-C5713-C3BH	1, 4	Opp	95					Included	Cable	210	40
	TG6S-C5715-C3BH	1, 4	Opp	107					Included	Cable	195	37
	TG6S-C5718-C3BH	1, 4	Opp	127					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34810 — Refer to kit program on pages 27-29.
2 See Page TI-20 for identification.
3 See Page TI-21 for identification.
4 Direct mount pump is limited to PK Series, single pump, due to transmission case interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

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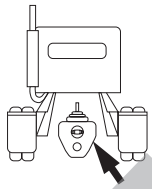
FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-3005C, FS-3205C, FS-4005C, FS-4205C
CL-457 (Clark)

PTO DRIVE GEAR DATA:
29T 6.100P 25° PA 32.5° R.H.
LOCATION: Front **PLMF:** .982
PLV: 773 FPM **RPM:** 529



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C6107-C1BX	1	Opp	56				23M60093S	20MK6602	Cable	230	44
	TG6S-C6108-C1BX	1	Opp	68				23M60093S	20MK6602	Cable	230	44
	TG6S-C6109-C1BX	1	Opp	71				23M60093S	20MK6602	Cable	205	39
	TG6S-C6112-C1BH	1	Opp	87				23M60093S	20MK6602	Cable	210	40
	TG6S-C6113-C1BH	1	Opp	99				23M60093S	20MK6602	Cable	210	40
	TG6S-C6115-C1BH	1	Opp	112				23M60093S	20MK6602	Cable	195	37
	TG6S-C6118-C1BH	1	Opp	132				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6S-C6112-E1BX		Opp	88				23M60062S	Included	Power	275	52
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6 & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- B — **OUTPUT SHAFT** (see pages 6 & 8)
- X — **SPECIAL OPTIONS** (see pages 6 & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34454 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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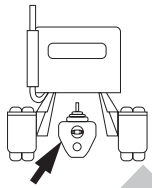
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

FS-3005C, FS-3205C, FS-4005C, FS-4205C
CL-457 (Clark)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
29T 6.100P 25° PA 32.5° R.H.
LOCATION: Front **PLMF:** .982
PLV: 773 FPM **RPM:** 529



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C6107-C3BX	1, 2	Opp	56				23M60093S	20MK6602	Cable	230	44
	TG6S-C6108-C3BX	1, 2	Opp	68				23M60093S	20MK6602	Cable	230	44
	TG6S-C6109-C3BX	1, 2	Opp	71				23M60093S	20MK6602	Cable	205	39
	TG6S-C6112-C3BH	1, 2	Opp	87				23M60093S	20MK6602	Cable	210	40
	TG6S-C6113-C3BH	1, 2	Opp	99				23M60093S	20MK6602	Cable	210	40
	TG6S-C6115-C3BH	1, 2	Opp	112				23M60093S	20MK6602	Cable	195	37
	TG6S-C6118-C3BH	1, 2	Opp	132				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6S-C6112-E3BX	3	Opp	88				23M60062S	Included	Power	275	52
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- **OUTPUT SHAFT** (see pages 6 & 8)
- **SPECIAL OPTIONS** (see pages 6 & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34454 — Refer to kit program on pages 27-29.
2 Direct mount pump is limited to PK Series, single pump, due to transmission case interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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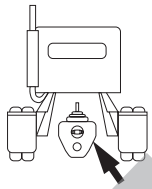
FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-3005A, FS-3205A (1989 and after)[2]
FS-4005A, FS-4205A (Nov. 87 and after)[3]

PTO DRIVE GEAR DATA:
28T 6.1P 20.5° PA 29° R.H.
LOCATION: Front **PLMF:** 1.1469
PLV: 631 FPM **RPM:** 459



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6107-C1BX	1	Opp	44					Included	Cable	230	44
	TG6S-F6108-C1BX	1	Opp	54					Included	Cable	230	44
	TG6S-F6109-C1BX	1	Opp	56					Included	Cable	205	39
	TG6S-F6112-C1BH	1	Opp	69					Included	Cable	210	40
	TG6S-F6113-C1BH	1	Opp	78					Included	Cable	210	40
	TG6S-F6115-C1BH	1	Opp	88					Included	Cable	195	37
	TG6S-F6118-C1BH	1	Opp	105					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-F6105-L3BX	4	Opp	38		38			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TF6168 + 23M61500 + 23M60062S Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35031 — Refer to kit program on pages 27-29.
2 See Page TI-20 for identification.
3 See Page TI-21 for identification.
4 Do not use RL Series for continuous duty applications.
5 Change PTO to U68 input gear, for RL PTO add 23M60200S spacer and 20MK6603 stud kit.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

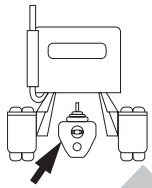
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FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
28T 6.1P 20.5° PA 29° R.H.
LOCATION: Front **PLMF:** 1.1469
PLV: 631 FPM **RPM:** 459



FS-3005A, FS-3205A (1989 and after)[2]
FS-4005A, FS-4205A (Nov. 87 and after)[3]

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6107-C3BX	1	Opp	44					Included	Cable	230	44
	TG6S-F6108-C3BX	1	Opp	54					Included	Cable	230	44
	TG6S-F6109-C3BX	1	Opp	56					Included	Cable	205	39
	TG6S-F6112-C3BH	1	Opp	69					Included	Cable	210	40
	TG6S-F6113-C3BH	1	Opp	78					Included	Cable	210	40
	TG6S-F6115-C3BH	1	Opp	88					Included	Cable	195	37
	TG6S-F6118-C3BH	1	Opp	105					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-F6105-L3BX	4	Opp	38		38			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TF6168 + 23M61500 + 23M60062S Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35031 — Refer to kit program on pages 27-29.
2 See Page TI-20 for identification.
3 See Page TI-21 for identification.
4 Do not use on RL Series for continuous duty applications.
5 Change PTO to U68 input gear, for RL PTO add 23M60200S spacer and 20MK6603 stud kit.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

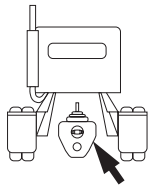
FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-3005B, FS-3205B (1989 and after)[2]
FS-4005B, FS4205B (Nov. 87 and after)[3]

PTO DRIVE GEAR DATA:
28T 6.1P 20.5° PA 29° R.H.
LOCATION: Front **PLMF:** 1.1469
PLV: 726 FPM **RPM:** 529



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6106-C1BX	1	Opp	43					Included	Cable	245	47
	TG6S-F6107-C1BX	1	Opp	51					Included	Cable	230	44
	TG6S-F6108-C1BX	1	Opp	62					Included	Cable	230	44
	TG6S-F6109-C1BX	1	Opp	65					Included	Cable	205	39
	TG6S-F6112-C1BH	1	Opp	80					Included	Cable	210	40
	TG6S-F6113-C1BH	1	Opp	91					Included	Cable	210	40
	TG6S-F6115-C1BH	1	Opp	102					Included	Cable	195	37
	TG6S-F6118-C1BH	1	Opp	121					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6S-U6809-E1BX		Crnk	68			40TF6168	23M61500+23M60062S	Included	Power	275	52
	CS6S-U6812-E1BX		Crnk	90			40TF6168	23M61500+23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-F6105-L3BX	4	Opp	44		44			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TF6168 + 23M61500 + 23M60062S Change PTO to U68						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS**) (see pages 6 & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- B — **OUTPUT SHAFT** (see pages 6 & 8)
- X — **SPECIAL OPTIONS** (see pages 6 & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35031 — Refer to kit program on pages 27-29.
2 See Page TI-20 for identification.
3 See Page TI-21 for identification.
4 Do not use RL Series for continuous duty applications.
5 Change PTO to U68 input gear, for RL PTO add 23M60200S spacer and 20MK6603 stud kit.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

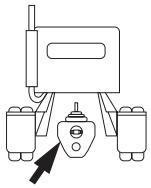
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-3005B, FS-3205B (1989 and after)[2]
FS-4005B, FS-4205B (Nov. 87 and after)[3]

PTO DRIVE GEAR DATA:
28T 6.1P 20.5° PA 29° R.H.
LOCATION: Front **PLMF:** 1.1469
PLV: 726 FPM **RPM:** 529



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6106-C3BX	1	Opp	43					Included	Cable	245	47
	TG6S-F6107-C3BX	1	Opp	51					Included	Cable	230	44
	TG6S-F6108-C3BX	1	Opp	62					Included	Cable	230	44
	TG6S-F6109-C3BX	1	Opp	65					Included	Cable	205	39
	TG6S-F6112-C3BH	1	Opp	80					Included	Cable	210	40
	TG6S-F6113-C3BH	1	Opp	91					Included	Cable	210	40
	TG6S-F6115-C3BH	1	Opp	102					Included	Cable	195	37
	TG6S-F6118-C3BH	1	Opp	121					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6S-U6809-E3BX		Crnk	68			40TF6168	23M61500+23M60062S	Included	Power	275	52
	CS6S-U6812-E3BX		Crnk	90			40TF6168	23M61500+23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-F6105-L3BX	4	Opp	44		44			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TF6168 + 23M61500 + 23M60062S Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- **OUTPUT SHAFT** (see pages 6 & 8)
- **SPECIAL OPTIONS** (see pages 6 & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35031 — Refer to kit program on pages 27-29.
2 See Page TI-20 for identification.
3 See Page TI-21 for identification.
4 Do not use on RL Series for continuous duty applications.
5 Change PTO to U68 input gear, for RL PTO add 23M60200S spacer and 20MK6603 stud kit.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

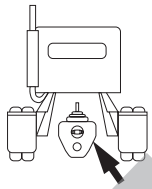
FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-5005A, FS-5005B[3], FS-5005D,
FS-5205A, FS-5205B[3]
390V, CL-551, CL-558[3], CL-559A, CL-559B

PTO DRIVE GEAR DATA:
33T 7P 25° PA 30°46'48" R.H.
LOCATION: Front **PLMF:** .988
PLV: 660 FPM **RPM:** 460



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7007-C1BX	1, 2	Opp	46				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C1BX	1, 2	Opp	56				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C1BX	1, 2	Opp	58				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C1BH	1, 2	Opp	71				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C1BH	1, 2	Opp	81				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C1BH	1, 2	Opp	91				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C1BH	1, 2	Opp	109				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 For Chevrolet and GMC 70 series chassis a #3 arrangement (shaft high) may be necessary for exhaust clearance.
2 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.
3 This transmission model requires PTO speeds shown to be multiplied by 1.18 for correct application percentage.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

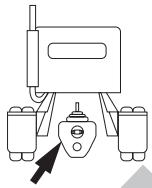
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FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
19T 6.100P 25° PA 18°40'48" L.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 374 FPM **RPM:** 435



FS-5005A, FS-5005B[3], FS-5005D,
FS-5205A, FS-5205B[3]
390V, CL-551, CL-558[3], CL-559A, CL-559B

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C6012-C4BH	2	Crnk	41					Included	Cable	210	40
	TG6S-C6013-C4BH	1, 2	Crnk	46					Included	Cable	210	40
	TG6S-C6015-C4BH	1, 2	Crnk	52					Included	Cable	195	37
	TG6S-C6018-C4BH	1, 2	Crnk	62					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see page 6)
- 1 - **ASSEMBLY ARRANGEMENT** (see page 6)
- B - **OUTPUT SHAFT** (see page 6)
- X - **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 13, 15, 18 ratio TG Series interferes with internal casting within this opening. Use R.S. opening if possible.
2 TG Series Input Gear: #03T34452 — Refer to kit program on pages 27-29.
3 This transmission model requires PTO speeds shown to be multiplied by 1.18 for correct application percentage.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

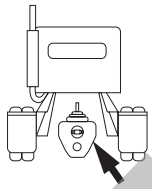
FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-5005C, FS-5205C
397V, CL-557, CL-559C

PTO DRIVE GEAR DATA:
30T 6.100P 25° PA 32°16'48" R.H.
LOCATION: Front **PLMF:** .875
PLV: 827 FPM **RPM:** 543



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C6106-C1BX	1, 2	Opp	50				23M60200S	20MK6603	Cable	245	47
	TG6S-C6107-C1BX	1, 2	Opp	59				23M60200S	20MK6603	Cable	230	44
	TG6S-C6108-C1BX	1, 2	Opp	72				23M60200S	20MK6603	Cable	230	44
	TG6S-C6109-C1BX	1, 2	Opp	75				23M60200S	20MK6603	Cable	205	39
	TG6S-C6112-C1BH	1, 2	Opp	92				23M60200S	20MK6603	Cable	210	40
	TG6S-C6113-C1BH	1, 2	Opp	105				23M60200S	20MK6603	Cable	210	40
	TG6S-C6115-C1BH	1, 2	Opp	118				23M60200S	20MK6603	Cable	195	37
	TG6S-C6118-C1BH	1, 2	Opp	140				23M60200S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6S-C6112-E1BX		Opp	93				23M60200S	20TK4433	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6 & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- B — **OUTPUT SHAFT** (see pages 6 & 8)
- X — **SPECIAL OPTIONS** (see pages 6 & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 For Chevrolet and GMC 70 Series chassis a #3 arrangement (shaft high) may be necessary for exhaust clearance.
2 TG Series Input Gear: #03T34454 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

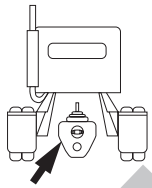
OBSOLETE

FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
19T 6.100P 25° PA 18°40'48" L.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 443 FPM **RPM:** 515



FS-5005C, FS-5205C
397V, CL-557, CL-559C

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C6012-C4BH	2	Crnk	48					Included	Cable	210	40
	TG6S-C6013-C4BH	1, 2	Crnk	55					Included	Cable	210	40
	TG6S-C6015-C4BH	1, 2	Crnk	62					Included	Cable	195	37
	TG6S-C6018-C4BH	1, 2	Crnk	73					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 13, 15, 18 ratio TG Series interferes with internal casting within this opening. Use R.S. opening if possible.
2 TG Series Input Gear: #03T34452 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

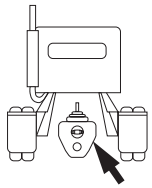
FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-5106A, FS-5306A, FS-5306X, FS-5406A, FS-6006B, FS-6206A, FS-6406A, FS-6306A, FS-6306B, FSB-5406B[5], FSB-6406B[5]

PTO DRIVE GEAR DATA:
38T 6.35P 20° PA 22° R.H.
LOCATION: Front **PLMF:** 1.085
PLV: 882 FPM **RPM:** 522



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6304-C1BX	1	Opp	30				23M60165S	20MK6603	Cable	285	54
	TG6S-F6305-C1BX	1	Opp	39				23M60165S	20MK6603	Cable	270	51
	TG6S-F6306-C1BX	1	Opp	50				23M60165S	20MK6603	Cable	245	47
	TG6S-F6307-C1BX	1	Opp	60				23M60165S	20MK6603	Cable	230	44
	TG6S-F6308-C1BX	1	Opp	73				23M60165S	20MK6603	Cable	230	44
	TG6S-F6309-C1BX	1	Opp	76				23M60165S	20MK6603	Cable	205	39
	TG6S-F6312-C1BH	1	Opp	93				23M60165S	20MK6603	Cable	210	40
	TG6S-F6313-C1BH	1	Opp	106				23M60165S	20MK6603	Cable	210	40
	TG6S-F6315-C1BH	1	Opp	120				23M60165S	20MK6603	Cable	195	37
	TG6S-F6318-C1BH	1	Opp	142				23M60165S	20MK6603	Cable	175	33
SH SERIES	SH6S-F6307-E1BX		Opp	57				23M60165S	20TK4433	Elec/Air	400	76
	SH6S-F6309-E1BX		Opp	72				23M60165S	20TK4433	Elec/Air	375	71
CLUTCH SHIFT	CS6S-F6307-E1BX		Opp	57				23M60165S	20TK4433	Power	300	57
	CS6S-F6309-E1BX		Opp	72				23M60165S	20TK4433	Power	275	52
	CS6S-F6312-E1BX		Opp	95				23M60165S	20TK4433	Power	275	52
1 FWD. 1 REV.	RL6D-F6305-L3BX	3	Opp	45		45		23M60350	20MK6604	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TF6368 + 23M61500 + 23M60200S						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see pages 6, 7, & 8)
- ASSEMBLY ARRANGEMENT (see pages 6, 7, & 8)
- OUTPUT SHAFT (see pages 6, 7, & 8)
- SPECIAL OPTIONS (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35024 — Refer to kit program on pages 27-29.
2 8-Bolt opening optional on this side, refer to transmission manufacturing for specific transmissions.
3 Do not use RL Series for continuous duty applications.
4 Stud kit 20MK6617 included with adapter. Change PTO to U68 gear, PTO Spacer is not used with adapter. For RL add 23M60200S & 20MK6603.
5 This transmission model requires PTO speeds shown to be multiplied by 1.04 for correct application percentage.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

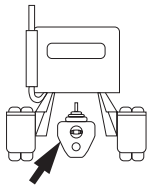
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-5106A, FS-5306A, FS-5306X, FS-5406A, FS6--6B, FS-6206A, FS-6406A, FS-6306A, FS-6306B, FSB-5406B[4], FSB-6406B[4]

PTO DRIVE GEAR DATA:
38T 6.35P 20° PA 22° R.H.
LOCATION: Front **PLMF:** 1.085
PLV: 882 FPM **RPM:** 522



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6304-C3BX	1	Opp	30				23M60165S	20MK6603	Cable	285	54
	TG6S-F6305-C3BX	1	Opp	39				23M60165S	20MK6603	Cable	270	51
	TG6S-F6306-C3BX	1	Opp	50				23M60165S	20MK6603	Cable	245	47
	TG6S-F6307-C3BX	1	Opp	60				23M60165S	20MK6603	Cable	230	44
	TG6S-F6308-C3BX	1	Opp	73				23M60165S	20MK6603	Cable	230	44
	TG6S-F6309-C3BX	1	Opp	76				23M60165S	20MK6603	Cable	205	39
	TG6S-F6312-C3BH	1	Opp	93				23M60165S	20MK6603	Cable	210	40
	TG6S-F6313-C3BH	1	Opp	106				23M60165S	20MK6603	Cable	210	40
	TG6S-F6315-C3BH	1	Opp	120				23M60165S	20MK6603	Cable	195	37
	TG6S-F6318-C3BH	1	Opp	142				23M60165S	20MK6603	Cable	175	33
SH SERIES	SH6S-F6307-E3BX		Opp	57				23M60165S	20TK4433	Elec/Air	400	76
	SH6S-F6309-E3BX		Opp	72				23M60165S	20TK4433	Elec/Air	375	71
CLUTCH SHIFT	CS6S-F6307-E3BX		Opp	57				23M60165S	20TK4433	Power	300	57
	CS6S-F6309-E3BX		Opp	72				23M60165S	20TK4433	Power	275	52
	CS6S-F6312-E3BX		Opp	95				23M60165S	20TK4433	Power	275	52
1 FWD. 1 REV.	RL6D-F6305-L3BX	2	Opp	45		45		23M60350	20MK6604	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TF6368 + 23M61500 + 23M60200S						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35024 — Refer to kit program on pages 27-29.
2 Do not use RL Series for continuous duty applications.
3 Stud kit 20MK6617 included with adapter. Change PTO to U68 gear, PTO Spacer is not used with adapter. For RL add 23M60200S & 20MK6603.
4 This transmission model requires PTO speeds shown to be multiplied by 1.04 for correct application percentage.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

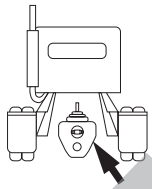
FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

FS-5506, FS-6106, FS-6106A, FS-7206A, FS-8206A

PTO DRIVE GEAR DATA:
50T 7.5P 22° PA 15° R.H.
LOCATION: Front **PLMF:** .915
PLV: 822 FPM **RPM:** 455



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-F7506-C1BX	1	Opp	48					Included	Cable	245	47
	TG8S-F7507-C1BX	1	Opp	56					Included	Cable	230	44
	TG8S-F7508-C1BX	1	Opp	69					Included	Cable	230	44
	TG8S-F7509-C1BX	1	Opp	72					Included	Cable	205	39
	TG8S-F7512-C1BH	1	Opp	88					Included	Cable	210	40
	TG8S-F7513-C1BH	1	Opp	100					Included	Cable	210	40
	TG8S-F7515-C1BH	1	Opp	113					Included	Cable	195	37
	TG8S-F7518-C1BH	1	Opp	135					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see page 6)
- ASSEMBLY ARRANGEMENT (see page 6)
- OUTPUT SHAFT (see page 6)
- SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96626 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

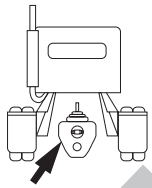
OBSOLETE

FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
50T 7.5P 22° PA 15° R.H.
LOCATION: Front **PLMF:** 1.190
PLV: 822 FPM **RPM:** 455



FS-5506, FS-6106, FS-6106A, FS-7206A, FS-8206A

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F7506-C3BX	1	Opp	48					Included	Cable	245	47
	TG6S-F7507-C3BX	1	Opp	56					Included	Cable	230	44
	TG6S-F7508-C3BX	1	Opp	69					Included	Cable	230	44
	TG6S-F7509-C3BX	1	Opp	72					Included	Cable	205	39
	TG6S-F7512-C3BH	1	Opp	88					Included	Cable	210	40
	TG6S-F7513-C3BH	1	Opp	100					Included	Cable	210	40
	TG6S-F7515-C3BH	1	Opp	113					Included	Cable	195	37
	TG6S-F7518-C3BH	1	Opp	135					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96626 — Refer to kit program on pages 27-29.

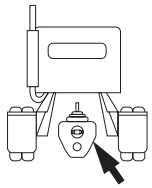
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



FS-6105A, FS-6005A, FS-6205A, FS-6305A
Footnote (2)

PTO DRIVE GEAR DATA:
39T 6.35P 20° PA 22° R.H.
LOCATION: Front **PLMF:** 1.000
PLV: 830 FPM **RPM:** 479

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6304-C1BX	1	Opp	28				23M60240S	20MK6604	Cable	205	39
	TG6S-F6305-C1BX	1	Opp	37				23M60240S	20MK6604	Cable	195	37
	TG6S-F6306-C1BX	1	Opp	47				23M60240S	20MK6604	Cable	176	34
	TG6S-F6307-C1BX	1	Opp	56				23M60240S	20MK6604	Cable	166	32
	TG6S-F6308-C1BX	1	Opp	69				23M60240S	20MK6604	Cable	166	32
	TG6S-F6309-C1BX	1	Opp	72				23M60240S	20MK6604	Cable	148	28
	TG6S-F6312-C1BH	1	Opp	88				23M60240S	20MK6604	Cable	151	29
	TG6S-F6313-C1BH	1	Opp	100				23M60240S	20MK6604	Cable	151	29
	TG6S-F6315-C1BH	1	Opp	113				23M60240S	20MK6604	Cable	140	27
	TG6S-F6318-C1BH	1	Opp	134				23M60240S	20MK6604	Cable	126	24
SH SERIES	SH6S-F6307-E1BX		Opp	54				23M60240S	20TK4434	Elec/Air	288	55
	SH6S-F6309-E1BX		Opp	67				23M60240S	20TK4434	Elec/Air	270	51
CLUTCH SHIFT	CS6S-F6307-E1BX		Opp	54				23M60240S	20TK4434	Power	216	41
	CS6S-F6309-E1BX		Opp	67				23M60240S	20TK4434	Power	198	38
	CS6S-U6812-E1BX		Crnk	98			40TF6368	23M61500+23M60270	Included	Power	198	38
1 FWD. 1 REV.	RL6D-F6305-L3BX	3	Opp	42		42		23M60450	20MK6605	Lever	144	27
ADAPTER TO CHANGE ROTATION		4	40TF6368 + 23M61500 + 23M60270 Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35024 — Refer to kit program on pages 27-29.
2 The transmission PTO drive gear is not located .5" from centerline, allowing for only partial tooth engagement and limiting torque capacity as shown.
3 Do not use RL Series for continuous duty applications.
4 Stud kit 20MK6617 included with adapter. Change PTO to U68 gear, PTO Spacer is not used with adapter. For RL add 23M60200S & 20MK6603.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

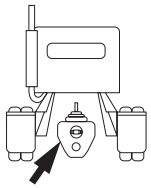
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-6105A, FS-6005A, FS-6205A, FS-6305A
Footnote (2)

PTO DRIVE GEAR DATA:
39T 6.35P 20° PA 22° R.H.
LOCATION: Front **PLMF:** 1.000
PLV: 830 FPM **RPM:** 479



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6304-C3BX	1	Opp	28				23M60240S	20MK6604	Cable	205	39
	TG6S-F6305-C3BX	1	Opp	37				23M60240S	20MK6604	Cable	195	37
	TG6S-F6306-C3BX	1	Opp	47				23M60240S	20MK6604	Cable	176	34
	TG6S-F6307-C3BX	1	Opp	56				23M60240S	20MK6604	Cable	166	32
	TG6S-F6308-C3BX	1	Opp	69				23M60240S	20MK6604	Cable	166	32
	TG6S-F6309-C3BX	1	Opp	72				23M60240S	20MK6604	Cable	148	28
	TG6S-F6312-C3BH	1	Opp	88				23M60240S	20MK6604	Cable	151	29
	TG6S-F6313-C3BH	1	Opp	100				23M60240S	20MK6604	Cable	151	29
	TG6S-F6315-C3BH	1	Opp	113				23M60240S	20MK6604	Cable	140	27
	TG6S-F6318-C3BH	1	Opp	134				23M60240S	20MK6604	Cable	126	24
SH SERIES	SH6S-F6307-E3BX		Opp	54				23M60240S	20TK4434	Elec/Air	288	55
	SH6S-F6309-E3BX		Opp	67				23M60240S	20TK4434	Elec/Air	270	51
CLUTCH SHIFT	CS6S-F6307-E3BX		Opp	54				23M60240S	20TK4434	Power	216	41
	CS6S-F6309-E3BX		Opp	67				23M60240S	20TK4434	Power	198	38
	CS6S-U6812-E3BX		Crnk	98			40TF6368	23M61500+23M60270	Included	Power	198	38
1 FWD. 1 REV.	RL6D-F6305-L3BX	3	Opp	42		42		23M60450	20MK6605	Lever	144	27
ADAPTER TO CHANGE ROTATION		4	40TF6368 + 23M61500 + 23M60270 Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35024 — Refer to kit program on pages 27-29.
2 The transmission PTO drive gear is not located .5" from centerline, allowing for only partial tooth engagement and limiting torque capacity as shown.
3 Do not use RL Series for continuous duty applications.
4 Stud kit 20MK6617 included with adapter. Change PTO to U68 gear, PTO Spacer is not used with adapter. For RL add 23M60200S & 20MK6603.

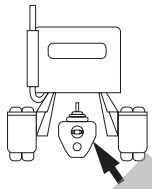
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



FS-6105B, FS-6005B, FS-6205B, FS-6305B
Footnote (2)

PTO DRIVE GEAR DATA:
41T 6.5P 20° PA 23° R.H.
LOCATION: Front **PLMF:** .886
PLV: 859 FPM **RPM:** 479

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6505-C1BX	1	Opp	37				23M60400	20MK6604	Cable	195	37
	TG6S-F6506-C1BX	1	Opp	48				23M60400	20MK6604	Cable	176	34
	TG6S-F6507-C1BX	1	Opp	57				23M60400	20MK6604	Cable	166	32
	TG6S-F6508-C1BX	1	Opp	69				23M60400	20MK6604	Cable	166	32
	TG6S-F6509-C1BX	1	Opp	72				23M60400	20MK6604	Cable	148	28
	TG6S-F6512-C1BH	1	Opp	88				23M60400	20MK6604	Cable	151	29
	TG6S-F6513-C1BH	1	Opp	100				23M60400	20MK6604	Cable	151	29
	TG6S-F6515-C1BH	1	Opp	113				23M60400	20MK6604	Cable	140	27
	TG6S-F6518-C1BH	1	Opp	135				23M60400	20MK6604	Cable	126	24
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

model break down

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35025 — Refer to kit program on pages 27-29.
2 The transmission PTO drive gear is not located .5" from centerline, allowing for only partial tooth engagement and limiting torque capacity as shown.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

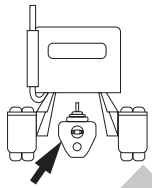
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-6105B, FS-6005B, FS-6205B, FS-6305B
Footnote (2)

PTO DRIVE GEAR DATA:
41T 6.5P 20° PA 23° R.H.
LOCATION: Front **PLMF:** .886
PLV: 859 FPM **RPM:** 479



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6505-C3BX	1	Opp	37				23M60400	20MK6604	Cable	195	37
	TG6S-F6506-C3BX	1	Opp	48				23M60400	20MK6604	Cable	176	34
	TG6S-F6507-C3BX	1	Opp	57				23M60400	20MK6604	Cable	166	32
	TG6S-F6508-C3BX	1	Opp	69				23M60400	20MK6604	Cable	166	32
	TG6S-F6509-C3BX	1	Opp	72				23M60400	20MK6604	Cable	148	28
	TG6S-F6512-C3BH	1	Opp	88				23M60400	20MK6604	Cable	151	29
	TG6S-F6513-C3BH	1	Opp	100				23M60400	20MK6604	Cable	151	29
	TG6S-F6515-C3BH	1	Opp	113				23M60400	20MK6604	Cable	140	27
	TG6S-F6518-C3BH	1	Opp	135				23M60400	20MK6604	Cable	126	24
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35025 — Refer to kit program on pages 27 & 28.
2 The transmission PTO drive gear is not located .5" from centerline, allowing for only partial tooth engagement and limiting torque capacity as shown.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

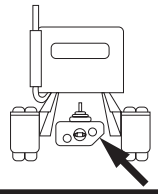
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

RT-610, RT-613[3], RT-6610, RT-6613[3], RT-7609
Footnote (7)

PTO DRIVE GEAR DATA:
33T 6P 20° PA Spur
LOCATION: Rear **PLMF:** 1.085
PLV: 1040 FPM **RPM:** 721



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C4BX	1, 2, 3, 5	Opp	47					Included	Cable	270	51
	TG6S-U6806-C4BX	1, 2, 3, 5	Opp	61					Included	Cable	245	47
	TG6S-U6807-C4BX	1, 2, 3, 5	Opp	72					Included	Cable	230	44
	TG6S-U6808-C4BX	1, 2, 3, 5	Opp	88					Included	Cable	230	44
	TG6S-U6809-C4BX	1, 2, 3, 5	Opp	92					Included	Cable	205	39
	TG6S-U6812-C4BH	1, 2, 3, 5	Opp	113					Included	Cable	193	37
	TG6S-U6813-C4BH	1, 2, 3, 5	Opp	129					Included	Cable	170	32
	TG6S-U6815-C4BH	1, 2, 3, 5	Opp	145					Included	Cable	150	29
	TG6S-U6818-C4BH	1, 2, 3, 5	Opp	171					Included	Cable	127	24
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	2, 6	Opp	54		54		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6855-2						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

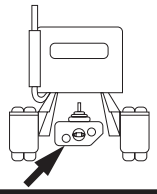
1 Direct mount pumps will not clear bulge on right side unless adapter is used. Direct mount pumps will not fit on 13 speed transmissions.
2 13 speed transmissions require adapter 40TU6810-2 for clearance. The PTO rotation will be reversed.
3 TG Series Input Gear: #03T34284. Refer to kit program on pages 27-29. Shaft High arrangement shown
4 Typical adapter used to clear frame interference.
5 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 300 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton form FUL-169/170. Maximum PTO torque must not exceed this rating or the PTO rating shown on page 6 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



RT-610, RT-613, RT-6610, RT-6613, RT-7609
Footnote (5)

PTO DRIVE GEAR DATA:
33T 6P 20° PA Spur
LOCATION: Rear **PLMF:** .810
PLV: 1040 FPM **RPM:** 721

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6805-C2BX	1, 3	Opp	47					Included	Cable	270	51
	TG8S-U6806-C2BX	1, 3	Opp	61					Included	Cable	245	47
	TG8S-U6807-C2BX	1, 3	Opp	72					Included	Cable	230	44
	TG8S-U6808-C2BX	1, 3	Opp	88					Included	Cable	230	44
	TG8S-U6809-C2BX	1, 3	Opp	92					Included	Cable	205	39
	TG8S-U6812-C2BH	1, 3	Opp	113					Included	Cable	193	37
	TG8S-U6813-C2BH	1, 3	Opp	129					Included	Cable	170	32
	TG8S-U6815-C2BH	1, 3	Opp	145					Included	Cable	150	29
	TG8S-U6818-C2BH	1, 3	Opp	171					Included	Cable	127	24
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL8S-U6805-L2BX	4	Opp	54		54		(2) 23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6808-L2CX		Opp	53					Included	Lever	412	78
	828S-U6809-L2CX		Opp	65					Included	Lever	332	63
	828S-U6810-L2CX		Opp	70					Included	Lever	309	59
	828S-U6812-L2CX		Opp	80					Included	Lever	268	51
	828S-U6813-L2CX		Opp	93					Included	Lever	232	44
	828S-U6815-L2CX		Opp	101				(2) 23M80062	Included	Lever	212	40
	828S-U6819-L2CX		Opp	125				23M80248	20MK8817	Lever	173	33
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages
- **SHIFT OPTIONS** 6 & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 11)
- **OUTPUT SHAFT** (see pages6 & 11)
- **SPECIAL OPTIONS** (see pages 6 & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Change TG Series and RL Series to 6-bolt PTO housing (TG6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
3 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
4 Do not use for continuous duty applications.
5 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 300 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton form FUL-169/170. Maximum PTO torque must not exceed this rating or the PTO rating shown on page 6 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

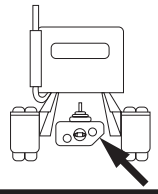
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

RTO-610, RTO-613[3], RTO-6610, RTO-6613[3]
Footnote (7)

PTO DRIVE GEAR DATA:
33T 6P 20° PA Spur
LOCATION: Rear **PLMF:** 1.085
PLV: 1260 FPM **RPM:** 898



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C4BX	1, 2, 3, 5	Opp	44					Included	Cable	285	54
	TG6S-U6805-C4BX	1, 2, 3, 5	Opp	58					Included	Cable	270	51
	TG6S-U6806-C4BX	1, 2, 3, 5	Opp	76					Included	Cable	245	47
	TG6S-U6807-C4BX	1, 2, 3, 5	Opp	89					Included	Cable	230	44
	TG6S-U6808-C4BX	1, 2, 3, 5	Opp	109					Included	Cable	230	44
	TG6S-U6809-C4BX	1, 2, 3, 5	Opp	114					Included	Cable	205	39
	TG6S-U6812-C4BH	1, 2, 3, 5	Opp	140					Included	Cable	193	37
	TG6S-U6813-C4BH	1, 2, 3, 5	Opp	159					Included	Cable	170	32
	TG6S-U6815-C4BH	1, 2, 3, 5	Opp	180					Included	Cable	150	29
	TG6S-U6818-C4BH	1, 2, 3, 5	Opp	212					Included	Cable	127	24
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	6	Opp	67		67		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6855-2						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATION**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount pumps will not clear bulge on right side unless adapter is used. Direct mount pumps will not fit on 13 speed transmissions.
2 13 speed transmissions require adapter 40TU6810-2 for clearance. The PTO rotation will be reversed.
3 TG Series Input Gear: #03T34284. Refer to kit program on pages 27-29. Shaft high arrangement is shown
4 Typical adapter used to clear frame interference.
5 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 300 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton form FUL-169/170. Maximum PTO torque must not exceed this rating or the PTO rating shown on page 6 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

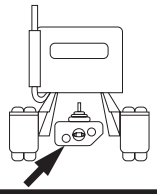
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

RTO-610, RT0-6610, RTO-613, RTO-6613
Footnote (5)

PTO DRIVE GEAR DATA:
33T 6P 20° PA Spur
LOCATION: Rear **PLMF:** .810
PLV: 1260 FPM **RPM:** 898



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C2BX	1, 3	Opp	44					Included	Cable	285	54
	TG8S-U6805-C2BX	1, 3	Opp	58					Included	Cable	270	51
	TG8S-U6806-C2BX	1, 3	Opp	76					Included	Cable	245	47
	TG8S-U6807-C2BX	1, 3	Opp	89					Included	Cable	230	44
	TG8S-U6808-C2BX	1, 3	Opp	109					Included	Cable	230	44
	TG8S-U6809-C2BX	1, 3	Opp	114					Included	Cable	205	39
	TG8S-U6812-C2BH	1, 3	Opp	140					Included	Cable	193	37
	TG8S-U6813-C2BH	1, 3	Opp	159					Included	Cable	170	32
	TG8S-U6815-C2BH	1, 3	Opp	180					Included	Cable	150	29
	TG8S-U6818-C2BH	1, 3	Opp	212					Included	Cable	127	24
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL8S-U6805-L2BX	4	Opp	67		67		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L2CX		Opp	41					Included	Lever	500	95
	828S-U6808-L2CX		Opp	65					Included	Lever	412	78
	828S-U6809-L2CX		Opp	81					Included	Lever	332	63
	828S-U6810-L2CX		Opp	87					Included	Lever	309	59
	828S-U6812-L2CX		Opp	100					Included	Lever	268	51
	828S-U6813-L2CX		Opp	116					Included	Lever	232	44
	828S-U6815-L2CX		Opp	127				(2) 23M80062	Included	Lever	212	40
	828S-U6819-L2CX		Opp	156				23M80248	20MK8817	Lever	173	33
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages
- **SHIFT OPTIONS** 6 & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 11)
- **OUTPUT SHAFT** (see pages 6 & 11)
- **SPECIAL OPTIONS** (see pages 6 & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

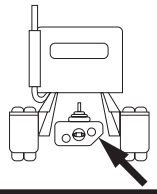
1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series and RL Series to 6-bolt housing (TG6S and RL6D respectively). RL Series add 23M60200S + 20MK6603 on PTO side of adapter.
3 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
4 Do not use for continuous duty applications.
5 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 300 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton form FUL-169/170. Maximum PTO torque must not exceed this rating or the PTO rating shown on page 6 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



RT-6609A, RT-8609, RT-7608LL[2]
Footnote (6)

PTO DRIVE GEAR DATA:
33T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1037 FPM **RPM:** 720

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6806-C1BX	1, 4	Opp	61					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 4	Opp	72					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 4	Opp	87					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 4	Opp	91					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 4	Opp	112					Included	Cable	193	37
	TG6S-U6813-C1BH	1, 4	Opp	127					Included	Cable	170	32
	TG6S-U6815-C1BH	1, 4	Opp	143					Included	Cable	150	29
	TG6S-U6818-C1BH	1, 4	Opp	170					Included	Cable	127	24
SH SERIES	SH6S-U6807-E1BX	2, 4	Opp	69					Included	Elec/Air	313	60
	SH6S-U6809-E1BX	2, 4	Opp	85					Included	Elec/Air	252	48
	SH6S-U6812-E1BX	2, 4	Opp	113					Included	Elec/Air	189	36
CLUTCH SHIFT	CS6S-U6806-E1BX	2	Opp	55					Included	Power	300	57
	CS6S-U6807-E1BX	2, 4	Opp	69					Included	Power	300	57
	CS6S-U6809-E1BX	2, 4	Opp	85					Included	Power	252	48
	CS6S-U6812-E1BX	2, 4	Opp	113					Included	Power	189	36
1 FWD. 1 REV.	RL6D-U6805-L3BX	5	Opp	54		54		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

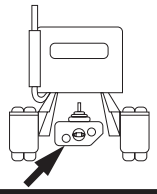
1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Adapter required for PTO clearance. Direct mount pumps interfere with transmission case.
3 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
5 Do not use for continuous duty applications.
6 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 300 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton form FUL-169/170. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



RT-6609A, RT-8609, RT-7608LL
Footnote (6)

PTO DRIVE GEAR DATA:
33T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1037 FPM **RPM:** 720

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6806-C1BX	1, 4	Opp	61					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 4	Opp	72					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 4	Opp	87					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 4	Opp	91					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 4	Opp	112					Included	Cable	193	37
	TG8S-U6813-C1BH	1, 4	Opp	127					Included	Cable	170	32
	TG8S-U6815-C1BH	1, 4	Opp	143					Included	Cable	150	29
	TG8S-U6818-C1BH	1, 4	Opp	170					Included	Cable	127	24
SH SERIES	SH8S-U6807-E1BX	4	Opp	69					Included	Elec/Air	313	60
	SH8S-U6809-E1BX	4	Opp	85					Included	Elec/Air	252	48
	SH8S-U6812-E1BX	4	Opp	113					Included	Elec/Air	189	36
	SH8S-U6813-E1BX	4	Opp	131					Included	Elec/Air	164	31
CLUTCH SHIFT	CS8S-U6806-E1BX		Opp	55					Included	Power	300	57
	CS8S-U6807-E1BX	4	Opp	69					Included	Power	300	57
	CS8S-U6809-E1BX	4	Opp	85					Included	Power	252	48
	CS8S-U6812-E1BX	4	Opp	113					Included	Power	189	36
	CS8S-U6814-E1BX		Opp	142					Included	Power	152	29
1 FWD. 1 REV.	RL8S-U6805-L3BX	5	Opp	54		54		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-F6819-L1CX	2	Opp	93				23M80248	20MK8817	Lever	173	33
1 FWD. 1 REV.			INTERNAL GEAR INTERFERENCE									

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Special Input Gear: #03T36562, 19 ratio only.
3 Change TG Series , CS Series, SH Series and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.
6 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 300 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton form FUL-169/170. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

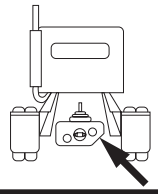
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

RT-6609A, RT-8609, T-905A, T-905B, T-905H, T-905P, T-955AL, T-955ALL, T-11605A, T-11605B
Footnote (8)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1047 FPM **RPM:** 533



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C1BX	2, 3, 4, 6	Opp	47					Included	Cable	270	51
	TG6S-U6806-C1BX	2, 3, 4, 6	Opp	61					Included	Cable	245	47
	TG6S-U6807-C1BX	2, 3, 4, 6	Opp	72					Included	Cable	230	44
	TG6S-U6808-C1BX	2, 3, 4, 6	Opp	88					Included	Cable	230	44
	TG6S-U6809-C1BX	2, 3, 4, 6	Opp	92					Included	Cable	205	39
	TG6S-U6812-C1BH	2, 3, 4, 6	Opp	113					Included	Cable	210	40
	TG6S-U6813-C1BH	2, 3, 4, 6	Opp	128					Included	Cable	207	39
	TG6S-U6815-C1BH	2, 3, 4, 6	Opp	145					Included	Cable	184	35
	TG6S-U6818-C1BH	2, 3, 4, 6	Opp	172					Included	Cable	155	29
SH SERIES	SH6S-U6807-E1BX	2, 4, 6	Opp	69					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	2, 4, 6	Opp	86					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	2, 4, 6	Opp	114					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	2, 4	Opp	33					Included	Power	300	57
	CS6S-U6004-E1BX	2, 4	Opp	43					Included	Power	300	57
	CS6S-U6005-E1BX	2, 4	Opp	47					Included	Power	300	57
	CS6S-U6806-E1BX	2, 4	Opp	56					Included	Power	300	57
	CS6S-U6807-E1BX	2, 4, 6	Opp	69					Included	Power	300	57
	CS6S-U6809-E1BX	2, 4, 6	Opp	86					Included	Power	275	52
	CS6S-U6812-E1BX	2, 4, 6	Opp	114					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6805-L3BX	4, 7	Opp	54		54		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Single speed-single gear cannot be used on T-955AL and T-955ALL due to transmission case interference.
2 Direct mount pumps will not clear bulge on right side unless adapter is used.
3 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
6 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
7 Do not use for continuous duty applications.
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

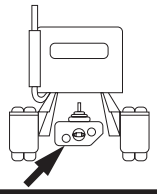
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

RT-6609A, RT-9909, T-905A, T-905B, T-905H, T-905P, T-955AL, T-955ALL, T-11605A, T-11605B
Footnote (5)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1094 FPM **RPM:** 533



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2, 500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6805-C1BX	1, 3	Opp	49					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 3	Opp	64					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 3	Opp	76					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 3	Opp	92					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 3	Opp	96					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 3	Opp	118					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 3	Opp	134					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 3	Opp	151					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 3	Opp	180					Included	Cable	148	28
SH SERIES	SH8S-U6807-E1BX	3	Opp	72					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	3	Opp	90					Included	Elec/Air	285	56
	SH8S-U6812-E1BX	3	Opp	120					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	3	Opp	133					Included	Elec/Air	191	36
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	34					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	45					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	49					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	56					Included	Power	300	57
	CS8S-U6807-E1BX	3	Opp	72					Included	Power	300	57
	CS8S-U6809-E1BX	3	Opp	90					Included	Power	275	52
	CS8S-U6812-E1BX	3	Opp	120					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	149					Included	Power	178	34
1 FWD. 1 REV.	*RL8S-U6805-L3BX*	*4*	*Opp*	*57*		*57*		*23M80032*	*Included*	*Lever*	*200*	*38*
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6808-L1CX		Opp	55					Included	Lever	450	85
	828S-U6809-L1CX		Opp	68					Included	Lever	388	74
	828S-U6810-L1CX		Opp	74					Included	Lever	362	69
	828S-U6812-L1CX		Opp	84					Included	Lever	313	60
	828S-U6813-L1CX		Opp	98					Included	Lever	271	52
	828S-U6815-L1CX		Opp	107				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	132				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

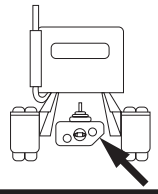
1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 When using the 40TU6886-1 adapter to change rotation-Change TG Series, CS Series, SH Series, and RL Series to 6-bolt housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
3 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
4 Do not use for continuous duty applications.
5 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



T-905D, T-905M, T-11605D, T-11605M
Footnote (6)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1215 FPM **RPM:** 619

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 4	Opp	42					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 4	Opp	55					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 4	Opp	71					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 4	Opp	84					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 4	Opp	103					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 4	Opp	107					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 4	Opp	131					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 4	Opp	150					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 4	Opp	169					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 4	Opp	200					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	2	Opp	55					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	2, 4	Opp	80					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	2, 4	Opp	100					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	2, 4	Opp	133					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	2	Opp	38					Included	Power	300	57
	CS6S-U6004-E1BX	2	Opp	50					Included	Power	300	57
	CS6S-U6005-E1BX	2	Opp	55					Included	Power	300	57
	CS6S-U6806-E1BX	2	Opp	65					Included	Power	300	57
	CS6S-U6807-E1BX	2, 4	Opp	80					Included	Power	300	57
	CS6S-U6809-E1BX	2, 4	Opp	100					Included	Power	275	52
	CS6S-U6812-E1BX	2, 4	Opp	133					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6805-L3BX	2, 5	Opp	63		63		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

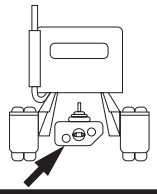
1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
3 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
5 Do not use for continuous duty applications.
6 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



T-905D, T-905M, T-11605D, T-11605M
Footnote (5)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1269 FPM **RPM:** 619

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 3	Opp	43					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 3	Opp	57					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 3	Opp	74					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 3	Opp	87					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 3	Opp	106					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 3	Opp	111					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 3	Opp	136					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 3	Opp	155					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 3	Opp	175					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 3	Opp	208					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	57					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	3	Opp	84					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	3	Opp	105					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	3	Opp	139					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	3	Opp	161					Included	Elec/Air	191	36
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	40					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	52					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	57					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	67					Included	Power	300	57
	CS8S-U6807-E1BX	3	Opp	84					Included	Power	300	57
	CS8S-U6809-E1BX	3	Opp	105					Included	Power	275	52
	CS8S-U6812-E1BX	3	Opp	139					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	173					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6805-L3BX	4	Opp	66		66		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	41					Included	Lever	500	95
	828S-U6808-L1CX		Opp	64					Included	Lever	450	85
	828S-U6809-L1CX		Opp	79					Included	Lever	388	74
	828S-U6810-L1CX		Opp	85					Included	Lever	362	69
	828S-U6812-L1CX		Opp	98					Included	Lever	313	60
	828S-U6813-L1CX		Opp	113					Included	Lever	271	52
	828S-U6815-L1CX		Opp	124				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	153				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

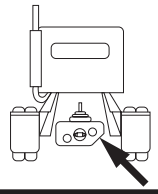
1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Change TG Series ,CS Series, SH Series and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
3 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
4 Do not use for continuous duty applications.
5 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



TO-905C, TO-11605C
Footnote (6)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1191 FPM **RPM:** 607

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 4	Opp	41					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 4	Opp	54					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 4	Opp	70					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 4	Opp	82					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 4	Opp	101					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 4	Opp	105					Included	Cable	205	39
	TG6D-S6812-C1BH	1, 2, 4	Opp	118				23M60200S	20MK6603	Cable	210	40
	TG6D-S6813-C1BH	1, 2, 4	Opp	135				23M60200S	20MK6603	Cable	207	39
	TG6D-S6815-C1BH	1, 2, 4	Opp	151				23M60200S	20MK6603	Cable	184	35
	TG6D-S6818-C1BH	1, 2, 4	Opp	180				23M60200S	20MK6603	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	2	Opp	53					Included	Elec/Air	366	70
	SH6S-U6807-E1BX	2, 4	Opp	79					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	2, 4	Opp	98					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	2, 4	Opp	130					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	2	Opp	37					Included	Power	300	57
	CS6S-U6004-E1BX	2	Opp	49					Included	Power	300	57
	CS6S-U6005-E1BX	2	Opp	53					Included	Power	300	57
	CS6S-U6806-E1BX	2	Opp	63					Included	Power	300	57
	CS6S-U6807-E1BX	2, 4	Opp	79					Included	Power	300	57
	CS6S-U6809-E1BX	2, 4	Opp	98					Included	Power	275	52
	CS6S-U6812-E1BX	2, 4	Opp	130					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6805-L3BX	2, 5	Opp	62		62		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

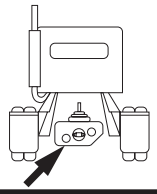
1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
3 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
5 Do not use for continuous duty applications.
6 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



TO-905C, TO-11605C
Footnote (5)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1244 FPM **RPM:** 607

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 3	Opp	43					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 3	Opp	56					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 3	Opp	73					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 3	Opp	86					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 3	Opp	104					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 3	Opp	109					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 3	Opp	135					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 3	Opp	153					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 3	Opp	172					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 3	Opp	204					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	56					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	3	Opp	82					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	3	Opp	103					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	3	Opp	136					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	3	Opp	158					Included	Elec/Air	191	36
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	39					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	51					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	56					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	66					Included	Power	300	57
	CS8S-U6807-E1BX	3	Opp	82					Included	Power	300	57
	CS8S-U6809-E1BX	3	Opp	103					Included	Power	275	52
	CS8S-U6812-E1BX	3	Opp	136					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	170					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6805-L3BX	4	Opp	62		62		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	40					Included	Lever	500	95
	828S-U6808-L1CX		Opp	63					Included	Lever	450	85
	828S-U6809-L1CX		Opp	78					Included	Lever	388	74
	828S-U6810-L1CX		Opp	83					Included	Lever	362	69
	828S-U6812-L1CX		Opp	96					Included	Lever	313	60
	828S-U6813-L1CX		Opp	110					Included	Lever	271	52
	828S-U6815-L1CX		Opp	122				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	150				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). RL Series add 23M60200S + 20MK6603 on PTO side of adapter.
3 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
4 Do not use for continuous duty applications.
5 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

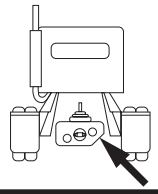
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

T-905C, T-905J, T-11605C
Footnote (7)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1002 FPM **RPM:** 513



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C1BX	1, 2, 3, 5	Opp	45					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 3, 5	Opp	59					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 3, 5	Opp	70					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 3, 5	Opp	85					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 3, 5	Opp	89					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 3, 5	Opp	109					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 3, 5	Opp	124					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 3, 5	Opp	140					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 3, 5	Opp	165					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	1, 3	Opp	45					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	1, 3, 5	Opp	67					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	1, 3, 5	Opp	83					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	1, 3, 5	Opp	110					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	1, 3	Opp	32					Included	Power	300	57
	CS6S-U6004-E1BX	1, 3	Opp	41					Included	Power	300	57
	CS6S-U6005-E1BX	1, 3	Opp	45					Included	Power	300	57
	CS6S-U6806-E1BX	1, 3	Opp	53					Included	Power	300	57
	CS6S-U6807-E1BX	1, 3, 5	Opp	67					Included	Power	300	57
	CS6S-U6809-E1BX	1, 3, 5	Opp	83					Included	Power	275	52
	CS6S-U6812-E1BX	1, 3, 5	Opp	110					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6805-L3BX	3, 6	Opp	52		52		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION 4		4	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

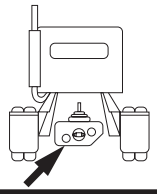
1 Direct mount pumps will not clear bulge on right side unless adapter is used.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
4 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
5 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



T-905C, T-905J, T-11605C
Footnote (5)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1048 FPM **RPM:** 513

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6805-C1BX	1, 3	Opp	47					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 3	Opp	61					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 3	Opp	73					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 3	Opp	89					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 3	Opp	93					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 3	Opp	114					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 3	Opp	130					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 3	Opp	147					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 3	Opp	173					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	47					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	3	Opp	70					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	3	Opp	87					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	3	Opp	115					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	3	Opp	133					Included	Elec/Air	191	36
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	33					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	43					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	47					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	56					Included	Power	300	57
	CS8S-U6807-E1BX	3	Opp	70					Included	Power	300	57
	CS8S-U6809-E1BX	3	Opp	87					Included	Power	275	52
	CS8S-U6812-E1BX	3	Opp	115					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	144					Included	Power	178	*
1 FWD. 1 REV.	RL8S-U6805-L3BX	4	Opp	55		55		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6808-L1CX		Opp	53					Included	Lever	450	85
	828S-U6809-L1CX		Opp	65					Included	Lever	338	74
	828S-U6810-L1CX		Opp	71					Included	Lever	362	69
	828S-U6812-L1CX		Opp	81					Included	Lever	313	60
	828S-U6813-L1CX		Opp	95					Included	Lever	271	52
	828S-U6815-L1CX		Opp	103				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	127				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

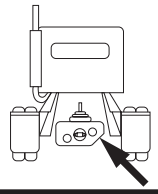
1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). RL Series add 23M60200S + 20MK6603 on PTO side of adapter.
3 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
4 Do not use for continuous duty applications.
5 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



T-905F, T-11605F
Footnote (7)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 992 FPM **RPM:** 508

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C1BX	1, 2, 3, 5	Opp	45					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 3, 5	Opp	58					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 3, 5	Opp	69					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 3, 5	Opp	84					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 3, 5	Opp	88					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 3, 5	Opp	108					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 3, 5	Opp	123					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 3, 5	Opp	139					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 3, 5	Opp	163					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	2, 3	Opp	45					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	2, 3, 5	Opp	66					Included	Elec/Air	400	76
	SH6S-U6809-E1BX	2, 3, 5	Opp	82					Included	Elec/Air	375	71
	SH6S-U6812-E1BX	2, 3, 5	Opp	109					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6003-E1BX	2, 3	Opp	31					Included	Power	300	57
	CS6S-U6004-E1BX	2, 3	Opp	41					Included	Power	300	57
	CS6S-U6005-E1BX	2, 3	Opp	45					Included	Power	300	57
	CS6S-U6806-E1BX	2, 3	Opp	53					Included	Power	300	57
	CS6S-U6807-E1BX	2, 3, 5	Opp	66					Included	Power	300	57
	CS6S-U6809-E1BX	2, 3, 5	Opp	82					Included	Power	275	52
	CS6S-U6812-E1BX	2, 3, 5	Opp	109					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6805-L3BX	2, 6	Opp	51		51		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
3 Direct mount pumps will not clear bulge on right side unless adapter listed above is used.
4 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
5 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

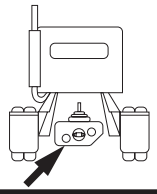
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T-905F, T-11605F
Footnote (5)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1038 FPM **RPM:** 508



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6805-C1BX	1, 3	Opp	47					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 3	Opp	60					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 3	Opp	72					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 3	Opp	88					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 3	Opp	92					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 3	Opp	113					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 3	Opp	129					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 3	Opp	145					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 3	Opp	171					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	47					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	3	Opp	69					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	3	Opp	86					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	3	Opp	114					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	3	Opp	132					Included	Elec/Air	191	36
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	33					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	43					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	47					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	55					Included	Power	300	57
	CS8S-U6807-E1BX	3	Opp	69					Included	Power	300	57
	CS8S-U6809-E1BX	3	Opp	86					Included	Power	275	52
	CS8S-U6812-E1BX	3	Opp	114					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	142					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6805-L3BX	4	Opp	54		54		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6808-L1CX		Opp	52					Included	Lever	450	85
	828S-U6809-L1CX		Opp	65					Included	Lever	388	74
	828S-U6810-L1CX		Opp	70					Included	Lever	362	69
	828S-U6812-L1CX		Opp	80					Included	Lever	313	60
	828S-U6813-L1CX		Opp	94					Included	Lever	271	52
	828S-U6815-L1CX		Opp	102				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	126				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages
- C — **SHIFT OPTIONS** 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

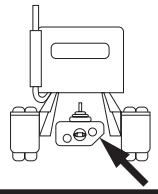
1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). RL Series add 23M60200S + 20MK6603on PTO side of adapter.
3 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
4 Do not use for continuous duty applications.
5 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in *italics* are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



TO-905A, TO-905D, TO-955AL, TO-955ALL, TO-955DLL, RTO-1157DL, RTO-1157DLL, TO-11605D

Footnote (8)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1610 FPM **RPM:** 820

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 4, 6	Opp	55					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 4, 6	Opp	72					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 4, 6	Opp	94					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 4, 6	Opp	111					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 4, 6	Opp	136					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 4, 6	Opp	142					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 4, 6	Opp	174					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 4, 6	Opp	199					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 4, 6	Opp	224					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 4, 6	Opp	264					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	1, 4	Opp	72					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	1, 4, 6	Opp	107					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	1, 4, 6	Opp	133					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	1, 4, 6	Opp	176					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	1, 4	Opp	51					Included	Power	300	57
	CS6S-U6004-E1BX	1, 4	Opp	66					Included	Power	300	57
	CS6S-U6005-E1BX	1, 4	Opp	72					Included	Power	300	57
	CS6S-U6806-E1BX	1, 4	Opp	85					Included	Power	300	57
	CS6S-U6807-E1BX	1, 4, 6	Opp	107					Included	Power	300	57
	CS6S-U6809-E1BX	1, 4, 6	Opp	133					Included	Power	275	52
	CS6S-U6812-E1BX	1, 4, 6	Opp	176					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	3, 4, 7	Opp	41		41		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	4, 7	Opp	84		84		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		4, 5	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 12)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 12)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 12)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 12)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount pumps will not clear bulge on right side unless adapter is used.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 RL Series with combined reduction gear box.
4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
6 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
7 Do not use for continuous duty applications.
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

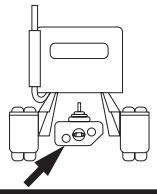
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TO-905A, TO-905D, TO-955AL, TO-955ALL, TO-955DLL, RTO-1157DL, RTO-1157DLL, TO-11605D
Footnote (6)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1682 FPM **RPM:** 820



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 4	Opp	58					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 4	Opp	76					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 4	Opp	98					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 4	Opp	116					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 4	Opp	142					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 4	Opp	148					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 4	Opp	182					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 4	Opp	207					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 4	Opp	233					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 4	Opp	276					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	76					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	4	Opp	111					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	4	Opp	139					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	4	Opp	184					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	4	Opp	214					Included	Elec/Air	191	36
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	53					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	69					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	76					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	89					Included	Power	300	57
	CS8S-U6807-E1BX	4	Opp	111					Included	Power	300	57
	CS8S-U6809-E1BX	4	Opp	139					Included	Power	275	52
	CS8S-U6812-E1BX	4	Opp	184					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	230					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	42		42		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	5	Opp	87		87		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	54					Included	Lever	500	95
	828S-U6808-L1CX		Opp	85					Included	Lever	450	85
	828S-U6809-L1CX		Opp	105					Included	Lever	388	74
	828S-U6810-L1CX		Opp	113					Included	Lever	362	69
	828S-U6812-L1CX		Opp	130					Included	Lever	313	60
	828S-U6813-L1CX		Opp	151					Included	Lever	271	52
	828S-U6815-L1CX		Opp	165				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	203				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages
- C — **SHIFT OPTIONS** 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). RL Series add 23M60200S + 20MK6603 on PTO side of adapter.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.
6 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in *italics* are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

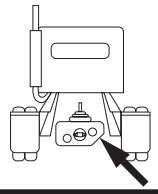
RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

TO-11605A, RTO-11607L, RTO-11607LL, RTO-11707LL, RTO-11707DLL, RTO-13707DLL, RTO-13707MLL

Footnote (8)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1626 FPM **RPM:** 828



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 3, 6	Opp	56					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 3, 6	Opp	73					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 3, 6	Opp	95					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 3, 6	Opp	112					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 3, 6	Opp	137					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 3, 6	Opp	143					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 3, 6	Opp	176					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 3, 6	Opp	200					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 3, 6	Opp	225					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 3, 6	Opp	267					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	2, 3	Opp	73					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	2, 3, 6	Opp	108					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	2, 3, 6	Opp	134					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	2, 3, 6	Opp	178					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	2, 3	Opp	51					Included	Power	300	57
	CS6S-U6004-E1BX	2, 3	Opp	67					Included	Power	300	57
	CS6S-U6005-E1BX	2, 3	Opp	73					Included	Power	300	57
	CS6S-U6806-E1BX	2, 3	Opp	86					Included	Power	300	57
	CS6S-U6807-E1BX	2, 3, 6	Opp	108					Included	Power	300	57
	CS6S-U6809-E1BX	2, 3, 6	Opp	134					Included	Power	231	44
	CS6S-U6812-E1BX	2, 3, 6	Opp	178					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	2, 4, 7	Opp	41		41		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	2, 7	Opp	85		85		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
3 Direct mount pumps will not clear bulge on right side unless adapter is used.
4 RL Series with reduction gear box.
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
6 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
7 Do not use for continuous duty applications.
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

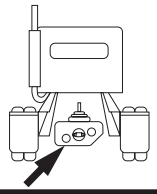
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TO-11605A, RTO-11607L, RTO-11607LL, RTO-11707LL, RTO-11707DLL, RTO-13707DLL, RTO-13707MLL
Footnote (6)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1699 FPM **RPM:** 828



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 4	Opp	59					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 4	Opp	77					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 4	Opp	99					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 4	Opp	117					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 4	Opp	143					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 4	Opp	149					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 4	Opp	183					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 4	Opp	208					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 4	Opp	235					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 4	Opp	279					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	76					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	4	Opp	113					Included	Elec/Air	400	76
	SH8S-U6809-E1BX	4	Opp	140					Included	Elec/Air	366	70
	SH8S-U6812-E1BX	4	Opp	186					Included	Elec/Air	295	56
	SH8S-U6813-E1BX	4	Opp	216					Included	Elec/Air	221	42
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	53					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	70					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	76					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	90					Included	Power	300	57
	CS8S-U6807-E1BX	4	Opp	113					Included	Power	300	57
	CS8S-U6809-E1BX	4	Opp	140					Included	Power	275	52
	CS8S-U6812-E1BX	4	Opp	186					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	232					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	42		42		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	5	Opp	88		88		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	55					Included	Lever	500	95
	828S-U6808-L1CX		Opp	86					Included	Lever	450	85
	828S-U6809-L1CX		Opp	106					Included	Lever	388	74
	828S-U6810-L1CX		Opp	114					Included	Lever	362	69
	828S-U6812-L1CX		Opp	131					Included	Lever	313	60
	828S-U6813-L1CX		Opp	153					Included	Lever	271	52
	828S-U6815-L1CX		Opp	166				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	205				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages.
2 RL Series 03 ratio is a reversible PTO with a reduction gear box attached.
3 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). RL Series add 23M60200S + 20MK6603 on PTO side of adapter.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.
6 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in *italics* are obsolete. Input gears will be available as service parts only, until inventory is depleted.

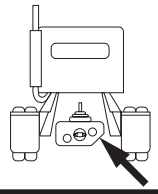
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

TO-905B, TO-11605B
Footnote (7)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1215 FPM **RPM:** 619



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 3, 5	Opp	42					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 3, 5	Opp	55					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 3, 5	Opp	71					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 3, 5	Opp	84					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 3, 5	Opp	103					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 3, 5	Opp	107					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 3, 5	Opp	131					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 3, 5	Opp	150					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 3, 5	Opp	168					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 3, 5	Opp	200					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	1, 3	Opp	55					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	1, 3, 5	Opp	80					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	1, 3, 5	Opp	100					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	1, 3, 5	Opp	133					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	1, 3	Opp	38					Included	Power	300	57
	CS6S-U6004-E1BX	1, 3	Opp	50					Included	Power	300	57
	CS6S-U6005-E1BX	1, 3	Opp	55					Included	Power	300	57
	CS6S-U6806-E1BX	1, 3	Opp	65					Included	Power	300	57
	CS6S-U6807-E1BX	1, 3, 5	Opp	80					Included	Power	300	57
	CS6S-U6809-E1BX	1, 3, 5	Opp	100					Included	Power	275	52
	CS6S-U6812-E1BX	1, 3, 5	Opp	133					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6805-L3BX	3, 6	Opp	63		63		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6855-1						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, & 8)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount pumps will not clear bulge on right side unless adapter is used. There is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**-C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.

2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.

3 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.

4 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.

5 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

6 Do not use for continuous duty applications.

7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

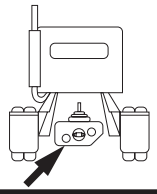
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TO-905B, TO-11605B
Footnote (6)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1269 FPM **RPM:** 619



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 2, 4	Opp	44					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 2, 4	Opp	57					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 2, 4	Opp	74					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 2, 4	Opp	88					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 2, 4	Opp	107					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 2, 4	Opp	112					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 2, 4	Opp	137					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 2, 4	Opp	157					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 2, 4	Opp	177					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 2, 4	Opp	209					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX	2	Opp	57					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	2, 4	Opp	84					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	2, 4	Opp	105					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	2, 4	Opp	139					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	2, 4	Opp	161					Included	Elec/Air	191	36
CLUTCH SHIFT	CS8S-U6003-E1BX	2	Opp	40					Included	Power	300	57
	CS8S-U6004-E1BX	2	Opp	52					Included	Power	300	57
	CS8S-U6005-E1BX	2	Opp	57					Included	Power	300	57
	CS8S-U6806-E1BX	2	Opp	67					Included	Power	300	57
	CS8S-U6807-E1BX	2, 4	Opp	84					Included	Power	300	57
	CS8S-U6809-E1BX	2, 4	Opp	105					Included	Power	275	52
	CS8S-U6812-E1BX	2, 4	Opp	139					Included	Power	221	42
	CS8S-U6814-E1BX	2	Opp	173					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6805-L3BX	5	Opp	66		66		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	40					Included	Lever	500	95
	828S-U6808-L1CX		Opp	64					Included	Lever	450	85
	828S-U6809-L1CX		Opp	79					Included	Lever	388	74
	828S-U6810-L1CX		Opp	86					Included	Lever	362	69
	828S-U6812-L1CX		Opp	98					Included	Lever	313	60
	828S-U6813-L1CX		Opp	114					Included	Lever	271	52
	828S-U6815-L1CX		Opp	124				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	153				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Vehicles with set-back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis.
3 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). RL Series add 23M60200S + 20MK6603 on PTO side of adapter.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.
6 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in *italics* are obsolete. Input gears will be available as service parts only, until inventory is depleted.

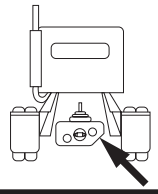
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

RTO-910, RTO-915
Footnote (8)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1697 FPM **RPM:** 865



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 4, 6	Opp	58					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 4, 6	Opp	76					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 4, 6	Opp	99					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 4, 6	Opp	118					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 4, 6	Opp	144					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 4, 6	Opp	150					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 4, 6	Opp	184					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 4, 6	Opp	210					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 4, 6	Opp	236					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 4, 6	Opp	279					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	1, 4	Opp	76					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	1, 4, 6	Opp	113					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	1, 4, 6	Opp	140					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	1, 4, 6	Opp	186					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	1, 4	Opp	54					Included	Power	300	57
	CS6S-U6004-E1BX	1, 4	Opp	70					Included	Power	300	57
	CS6S-U6005-E1BX	1, 4	Opp	76					Included	Power	300	57
	CS6S-U6806-E1BX	1, 4	Opp	90					Included	Power	300	57
	CS6S-U6807-E1BX	1, 4, 6	Opp	113					Included	Power	300	57
	CS6S-U6809-E1BX	1, 4, 6	Opp	140					Included	Power	275	52
	CS6S-U6812-E1BX	1, 4, 6	Opp	186					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	3, 4, 7	Opp	43		43		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	4, 7	Opp	88		88		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 **GEAR PITCH**
- 07 **INTERNAL RATIO** (see pages 6, 7, & 8)
- C **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount pumps will not clear bulge on right side unless adapter is used. There is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**-C1SX for pumps up to the PKS1-15-02BPBB. The 17GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.

2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.

3 RL Series with combined reduction gear box.

4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.

5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.

6 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

7 Do not use for continuous duty applications.

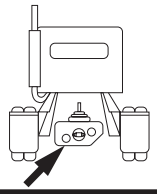
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



RTO-910, RTO-915
Footnote (7)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1774 FPM **RPM:** 865

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 3, 5	Opp	61					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 3, 5	Opp	80					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 3, 5	Opp	104					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 3, 5	Opp	123					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 3, 5	Opp	149					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 3, 5	Opp	156					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 3, 5	Opp	192					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 3, 5	Opp	218					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 3, 5	Opp	246					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 3, 5	Opp	291					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX	3	Opp	80					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	3, 5	Opp	118					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	3, 5	Opp	146					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	3, 5	Opp	194					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	3, 5	Opp	225					Included	Elec/Air	191	36
CLUTCH SHIFT	CS8S-U6003-E1BX	3	Opp	56					Included	Power	300	57
	CS8S-U6004-E1BX	3	Opp	73					Included	Power	300	57
	CS8S-U6005-E1BX	3	Opp	80					Included	Power	300	57
	CS8S-U6806-E1BX	3	Opp	94					Included	Power	300	57
	CS8S-U6807-E1BX	3, 5	Opp	118					Included	Power	300	57
	CS8S-U6809-E1BX	3, 5	Opp	146					Included	Power	275	52
	CS8S-U6812-E1BX	3, 5	Opp	194					Included	Power	221	42
	CS8S-U6814-E1BX	3	Opp	243					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 6	Opp	45		45		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	92		92		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX	3	Opp	57					Included	Lever	500	95
	828S-U6808-L1CX	3	Opp	90					Included	Lever	450	85
	828S-U6809-L1CX	3	Opp	111					Included	Lever	388	74
	828S-U6810-L1CX	3	Opp	120					Included	Lever	362	69
	828S-U6812-L1CX	3	Opp	137					Included	Lever	313	60
	828S-U6813-L1CX	3	Opp	159					Included	Lever	271	52
	828S-U6815-L1CX	3	Opp	174				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX	3	Opp	214				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on page 27-29.
2 RL Series with combined reduction gear box.
3 Vehicles with set-back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis.
4 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). RL Series add 23M60200S + 20MK6603 on PTO side of adapter.
5 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

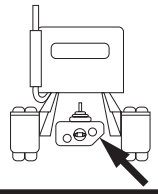
OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in *italics* are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1370 FPM **RPM:** 700



T-955GL, RT-906, 909A, 910, 915, 1110F, 8709B, 8908LL, 9509A, 9513, 9710B, 11509, 11609A, 11609H, 11610P, 11613P, 11615, 11709H, 11710B, 11715, 12509, 12510, 12513, 12515, 12609A, 12609H, 12610, 12709H, 12710B, 13609A, 13609H, 13709H, 13710B, 14609A, 14609H, 14610, 14613, 14615, 14709H, 14710B, 14715, 14915, 15613, 15615, 15715 RTA-14710B, RTO-913, 1213, 9513, 11613, 11813, 12513, 14613, 14713, 14813, 15613, 15618, 15813, RTLO-11610B, 12610B, 12613B, 13610B, 14610A, 14610B, 14613B, 14618A, 15610B, 16610B, 16618A, RTOL-14619A Footnotes (5 & 9)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 3, 7	Opp	47					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 3, 7	Opp	62					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 3, 7	Opp	80					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 3, 7	Opp	95					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 3, 7	Opp	116					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 3, 7	Opp	121					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 3, 7	Opp	150					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 3, 7	Opp	169					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 3, 7	Opp	191					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 3, 7	Opp	227					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	1	Opp	62					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	1, 7	Opp	91					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	1, 7	Opp	113					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	1, 7	Opp	150					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	1, 5	Opp	43					Included	Power	300	57
	CS6S-U6004-E1BX	1, 5	Opp	57					Included	Power	300	57
	CS6S-U6005-E1BX	1, 5	Opp	62					Included	Power	300	57
	CS6S-U6806-E1BX	1	Opp	73					Included	Power	300	57
	CS6S-U6807-E1BX	1, 7	Opp	91					Included	Power	300	57
	CS6S-U6809-E1BX	1, 7	Opp	113					Included	Power	275	52
	CS6S-U6812-E1BX	1, 7	Opp	150					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	4, 8	Opp	35		35		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	8	Opp	72		72		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		6	40TU6855-1						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

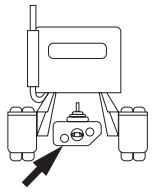
1 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**-C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 Some chassis may interfere with indicator switch on air shift PTOs. Order TG-RPS-A to change to a pressure switch and remove ball switch. Sold separately.
4 RL Series with combined reduction gear box.
5 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
6 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
7 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
8 Do not use for continuous duty applications.
9 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



T-955GL, RT-906, 909A, 910, 915, 1110F, 8709B, 8908LL, 9509A, 9513, 9710B, 11509, 11609A, 11609H, 11610P, 11613P, 11615, 11709H, 11710B, 11715, 12509, 12510, 12513, 12515, 12609A, 12609H, 12610, 12709H, 12710B, 13609A, 13609H, 13709H, 13710B, 14609A, 14609H, 14610, 14613, 14615, 14709H, 14710B, 14715, 14915, 15613, 15615, 15715 RTA-14710B, RTO-913, 1213, 9513, 11613, 11813, 12513, 14613, 14713, 14813, 15613, 15618, 15813, RTLO-11610B, 12610B, 12613B, 13610B, 14610A, 14610B, 14613B, 14618A, 15610B, 16610B, 16618A, RTOL-14619A Footnote (7)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1435 FPM **RPM:** 700

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 2, 5	Opp	49					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 2, 5	Opp	64					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 2, 5	Opp	84					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 2, 5	Opp	99					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 2, 5	Opp	122					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 2, 5	Opp	127					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 2, 5	Opp	156					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 2, 5	Opp	178					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 2, 5	Opp	200					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 2, 5	Opp	236					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX	2	Opp	62					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	2, 5	Opp	95					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	2, 5	Opp	118					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	2, 5	Opp	157					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	2, 5	Opp	183					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX	2	Opp	45					Included	Power	300	57
	CS8S-U6004-E1BX	2	Opp	59					Included	Power	300	57
	CS8S-U6005-E1BX	2	Opp	64					Included	Power	300	57
	CS8S-U6806-E1BX	2	Opp	76					Included	Power	300	57
	CS8S-U6807-E1BX	2, 5	Opp	95					Included	Power	300	57
	CS8S-U6809-E1BX	2, 5	Opp	118					Included	Power	275	52
	CS8S-U6812-E1BX	2, 5	Opp	157					Included	Power	221	42
	CS8S-U6814-E1BX	2	Opp	196					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	3, 6	Opp	37		37		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	75		75		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX	2	Opp	46					Included	Lever	500	95
	828S-U6808-L1CX	2	Opp	73					Included	Lever	450	85
	828S-U6809-L1CX	2	Opp	89					Included	Lever	388	74
	828S-U6810-L1CX	2	Opp	97					Included	Lever	362	69
	828S-U6812-L1CX	2	Opp	111					Included	Lever	313	60
	828S-U6813-L1CX	2	Opp	129					Included	Lever	271	52
	828S-U6815-L1CX	2	Opp	141				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX	2	Opp	173				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Vehicles with set-back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
3 RL Series with combined reduction gear box.
4 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
5 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

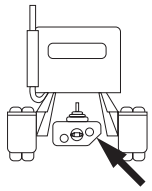
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1854 FPM **RPM:** 944



TO-955LL, RTO(F)(X)-909A, 958LL, 1258LL, 9509A, 10710B, 10910B, 11509, 11608LL, 11609A, 11708LL, 11710B, 11908LL, 12509, 12609A, 12710B, 12910B, 13609A, 13710B, 14608LL, 14609A, 14708LL, 14709A, 14710B, 14908LL, 14910B, 15708LL, 15710B, 16710B, 16908LL, 16910B, 18910B
(This application page also applies to models with RTX and RTOF prefixes and Models with AS2 or AS3 suffix) Footnotes (4, 8, &9)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 6	Opp	64					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 6	Opp	83					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 6	Opp	108					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 6	Opp	128					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 6	Opp	156					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 6	Opp	163					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 6	Opp	200					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 6	Opp	228					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 6	Opp	257					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 6	Opp	304					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	1	Opp	83					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	1, 6	Opp	123					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	1, 6	Opp	153					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	1, 6	Opp	203					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	1	Opp	58					Included	Power	300	57
	CS6S-U6004-E1BX	1	Opp	76					Included	Power	300	57
	CS6S-U6005-E1BX	1	Opp	83					Included	Power	300	57
	CS6S-U6806-E1BX	1	Opp	98					Included	Power	300	57
	CS6S-U6807-E1BX	1, 6	Opp	123					Included	Power	300	57
	CS6S-U6809-E1BX	1, 6	Opp	153					Included	Power	275	52
	CS6S-U6812-E1BX	1, 6	Opp	203					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	3, 7	Opp	47		47		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	7	Opp	96		96		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**-C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 RL Series with combined reduction gear box.
4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
6 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
7 Do not use for continuous duty applications.
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.
9 AS2 or AS3 Auto Shift transmissions need to be connected to the PTO through the TCM per Eaton instructions.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

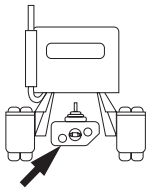
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TO-955LL, RTO(F)(X)-909A, 958LL, 1258LL, 9509A, 10710B, 10910B, 11509, 11608LL, 11609A, 11708LL, 11710B, 11908LL, 12509, 12609A, 12710B, 12910B, 13609A, 13710B, 14608LL,14609A, 14708LL,14709A, 14710B, 14908LL, 14910B, 15708LL, 15710B, 16710B, 16908LL, 16910B, 18910B
(This application page also applies to models with RTX and RTOF prefixes and Models with AS2 or AS3 suffix) Footnotes (7 & 8)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1936 FPM **RPM:** 944



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 3, 5	Opp	67					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 3, 5	Opp	87					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 3, 5	Opp	113					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 3, 5	Opp	134					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 3, 5	Opp	164					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 3, 5	Opp	171					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 3, 5	Opp	210					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 3, 5	Opp	239					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 3, 5	Opp	269					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 3, 5	Opp	318					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX	3	Opp	87					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	3, 5	Opp	128					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	3, 5	Opp	160					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	3, 5	Opp	212					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	3, 5	Opp	246					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX	3	Opp	61					Included	Power	300	57
	CS8S-U6004-E1BX	3	Opp	80					Included	Power	300	57
	CS8S-U6005-E1BX	3	Opp	87					Included	Power	300	57
	CS8S-U6806-E1BX	3	Opp	103					Included	Power	300	57
	CS8S-U6807-E1BX	3, 5	Opp	128					Included	Power	300	57
	CS8S-U6809-E1BX	3, 5	Opp	160					Included	Power	275	52
	CS8S-U6812-E1BX	3, 5	Opp	212					Included	Power	221	42
	CS8S-U6814-E1BX	3	Opp	265					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 6	Opp	49		49		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	101		101		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX	3	Opp	62					Included	Lever	500	95
	828S-U6808-L1CX	3	Opp	98					Included	Lever	450	85
	828S-U6809-L1CX	3	Opp	121					Included	Lever	388	74
	828S-U6810-L1CX	3	Opp	130					Included	Lever	362	69
	828S-U6812-L1CX	3	Opp	150					Included	Lever	313	60
	828S-U6813-L1CX	3	Opp	174					Included	Lever	271	52
	828S-U6815-L1CX	3	Opp	190				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX	3	Opp	234				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Vehicles with set-back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
4 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
5 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.
8 AS2 or AS3 Auto Shift transmissions need to be connected to the PTO through the TCM per Eaton instructions.

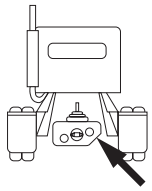
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1745 FPM **RPM:** 888



RTO-1110, RTO-11610, RTO-11615, RTO-11715, RTO-12510, RTO-12515, RTO-12610, RTO-14610, RTO-14615, RTO-14715, RTO-14915, RTO-15615, RTO-15715, RTO-16715, RTO-16915
Footnotes (4 & 8)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 6	Opp	60					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 6	Opp	78					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 6	Opp	102					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 6	Opp	121					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 6	Opp	148					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 6	Opp	154					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 6	Opp	189					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 6	Opp	215					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 6	Opp	242					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 6	Opp	286					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	1	Opp	78					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	1, 6	Opp	116					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	1, 6	Opp	144					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	1, 6	Opp	191					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	1	Opp	55					Included	Power	300	57
	CS6S-U6004-E1BX	1	Opp	72					Included	Power	300	57
	CS6S-U6005-E1BX	1	Opp	78					Included	Power	300	57
	CS6S-U6806-E1BX	1	Opp	93					Included	Power	300	57
	CS6S-U6807-E1BX	1, 6	Opp	116					Included	Power	300	57
	CS6S-U6809-E1BX	1, 6	Opp	144					Included	Power	275	52
	CS6S-U6812-E1BX	1, 6	Opp	191					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	3, 7	Opp	44		44		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	7	Opp	91		91		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**-C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 RL Series with combined reduction gear box.
4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
6 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
7 Do not use for continuous duty applications.
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

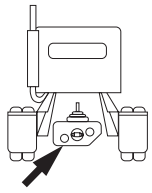
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1823 FPM **RPM:** 888



RTO-1110, RTO-11610, RTO-11615, RTO-11715, RTO-12510, RTO-12515, RTO-12610, RTO-14610, RTO-14615, RTO-14715, RTO-14915, RTO-15615, RTO-15715, RTO-16715, RTO-16915
Footnotes (3 & 7)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 5	Opp	63					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 5	Opp	82					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 5	Opp	106					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 5	Opp	126					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 5	Opp	155					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 5	Opp	162					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 5	Opp	199					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 5	Opp	226					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 5	Opp	255					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 5	Opp	299					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	82					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	5	Opp	121					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	5	Opp	150					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	5	Opp	199					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	5	Opp	231					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	59					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	75					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	82					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	97					Included	Power	300	57
	CS8S-U6807-E1BX	5	Opp	121					Included	Power	300	57
	CS8S-U6809-E1BX	5	Opp	150					Included	Power	275	52
	CS8S-U6812-E1BX	5	Opp	199					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	249					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 6	Opp	46		46		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	95		95		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	58					Included	Lever	500	95
	828S-U6808-L1CX		Opp	92					Included	Lever	450	85
	828S-U6809-L1CX		Opp	114					Included	Lever	388	74
	828S-U6810-L1CX		Opp	123					Included	Lever	362	69
	828S-U6812-L1CX		Opp	141					Included	Lever	313	60
	828S-U6813-L1CX		Opp	163					Included	Lever	271	52
	828S-U6815-L1CX		Opp	178				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	220				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1: **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B: **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X: **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Vehicles with set-back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
4 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
5 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

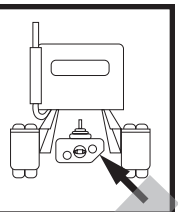
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

T-8607A, T-8607B, T-11606, T-11607A, T-11607B, TS-11612A, TSO-11612A, TS-12612A, TSO-12612A, TS-13612A, TSO-13612A,TS-15612A, TSO-15612A, TS-16612A, TSO-16612A
Footnotes (2 & 3)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
78T 10.1P 20° PA Spur
LOCATION: Front **PLMF:** .974
PLV: 1035 FPM **RPM:** 512



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F1005-C1BX	1	Opp	44				23M60165S	20MK6603	Cable	270	51
	TG6S-F1006-C1BX	1	Opp	58				23M60165S	20MK6603	Cable	245	47
	TG6S-F1007-C1BX	1	Opp	68				23M60165S	20MK6603	Cable	230	44
	TG6S-F1008-C1BX	1	Opp	83				23M60165S	20MK6603	Cable	230	44
	TG6S-F1009-C1BX	1	Opp	87				23M60165S	20MK6603	Cable	205	39
	TG6S-F1012-C1BH	1	Opp	107				23M60165S	20MK6603	Cable	210	40
	TG6S-F1013-C1BH	1	Opp	122				23M60165S	20MK6603	Cable	207	39
	TG6S-F1015-C1BH	1	Opp	137				23M60165S	20MK6603	Cable	184	35
	TG6S-F1018-C1BH	1	Opp	162				23M60165S	20MK6603	Cable	155	29
SH SERIES	SH6S-F1012-E1BX		Opp	109				23M60165S	20TK4433	Elec/Air	231	44
CLUTCH SHIFT	CS6S-F1012-E1BX		Opp	109				23M60165S	20TK4423	Power	231	44
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, & 8)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T94192 — Refer to kit program on pages 27-29.
2 Direct mount pumps will not clear bulge on right side.
3 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

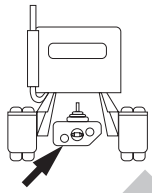
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T-8607A, T-8607B, T-11606, T-11607A, T-11607B, TS-11612A, TSO-11612A, TS-12612A, TSO-12612A, TS-13612A, TSO-13612A, TS-15612A, TSO-15612A, TS-16612A, TSO-16612A
Footnote (2)

PTO DRIVE GEAR DATA:
78T 10.1P 20° PA Spur
LOCATION: Front **PLMF:** .865
PLV: 1035 FPM **RPM:** 512



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-F1005-C1BX	1	Opp	44				23M80032	Included	Cable	270	51
	TG8S-F1006-C1BX	1	Opp	58				23M80032	Included	Cable	245	47
	TG8S-F1007-C1BX	1	Opp	68				23M80032	Included	Cable	230	44
	TG8S-F1008-C1BX	1	Opp	83				23M80032	Included	Cable	230	44
	TG8S-F1009-C1BX	1	Opp	87				23M80032	Included	Cable	205	39
	TG8S-F1012-C1BH	1	Opp	107				23M80032	Included	Cable	210	40
	TG8S-F1013-C1BH	1	Opp	122				23M80032	Included	Cable	199	38
	TG8S-F1015-C1BH	1	Opp	137				23M80032	Included	Cable	176	34
	TG8S-F1018-C1BH	1	Opp	162				23M80032	Included	Cable	148	28
SH SERIES	SH8S-F1012-E1BX		Opp	109				23M80032	Included	Elec/Air	231	44
	SH8S-F1013-E1BX		Opp	127				23M80032	Included	Elec/Air	200	38
CLUTCH SHIFT	CS8S-F1012-E1BX		Opp	109				23M80032	Included	Power	231	44
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T94192 — Refer to kit program on pages 27-29.

2 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

FULLER TRANSMISSION

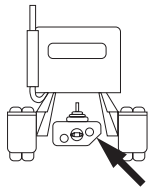
RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

RT-9508, RT-11608, RT-14608, RT-8606L, RT-8608L

Footnotes (3 & 7)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1134 FPM **RPM:** 578



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C1BX	1, 2, 5	Opp	51					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 5	Opp	66					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 5	Opp	79					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 5	Opp	96					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 5	Opp	100					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 5	Opp	123					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 5	Opp	140					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 5	Opp	158					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 5	Opp	187					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	1	Opp	51					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	1, 5	Opp	75					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	1, 5	Opp	93					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	1, 5	Opp	124					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	1	Opp	36					Included	Power	300	57
	CS6S-U6004-E1BX	1	Opp	47					Included	Power	300	57
	CS6S-U6005-E1BX	1	Opp	51					Included	Power	300	57
	CS6S-U6806-E1BX	1	Opp	60					Included	Power	300	57
	CS6S-U6807-E1BX	1, 5	Opp	75					Included	Power	300	57
	CS6S-U6809-E1BX	1, 5	Opp	93					Included	Power	275	52
	CS6S-U6812-E1BX	1, 5	Opp	124					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6805-L3BX	6	Opp	59		59		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6855-1						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.

2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.

3 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.

4 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.

5 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).

6 Do not use for continuous duty applications.

7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

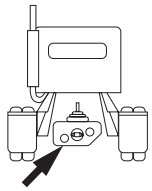
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

RT-9508, RT-11608, RT-14608, RT-8606L, RT-8608L
Footnotes (2 & 6)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1185 FPM **RPM:** 578



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 4	Opp	41					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 4	Opp	53					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 4	Opp	69					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 4	Opp	82					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 4	Opp	101					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 4	Opp	105					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 4	Opp	129					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 4	Opp	147					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 4	Opp	169					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 4	Opp	200					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	53					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	4	Opp	78					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	4	Opp	98					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	4	Opp	130					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	4	Opp	150					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	37					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	49					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	53					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	63					Included	Power	300	57
	CS8S-U6807-E1BX	4	Opp	78					Included	Power	300	57
	CS8S-U6809-E1BX	4	Opp	98					Included	Power	275	52
	CS8S-U6812-E1BX	4	Opp	130					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	162					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6805-L3BX	5	Opp	62		62		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6808-L1CX		Opp	60					Included	Lever	450	85
	828S-U6809-L1CX		Opp	74					Included	Lever	388	74
	828S-U6810-L1CX		Opp	80					Included	Lever	362	69
	828S-U6812-L1CX		Opp	92					Included	Lever	313	60
	828S-U6813-L1CX		Opp	106					Included	Lever	271	52
	828S-U6815-L1CX		Opp	116				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	143				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Vehicles with set-back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
3 Change TG Series, CS Series, SH Series and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.
6 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

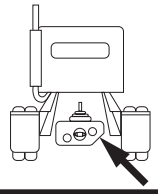
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1550 FPM **RPM:** 790



RTLOC-1690A, RTLOF -1690A, RTO-9509B, 11609B, 11609H, 11709B, 11709H, 11710C, 12609B, 12609H, 12709H, 12710C, 13609B, 13609H, 13709H, 13710C, 14609B, 14609H, 14610C, 14709H, 14610C, 14710C (AS2), 14910C, 15710C, 16709B, 16709H, 16710C, 16910C, 11709MLL, 11909ALL, 11909MLL, 14709MLL, 14909MLL, 16909ALL, RTLO-12713A, 12913A, 14913A, 16913A, RTOO-9513, 11613, 14613 (This application also applies to models AS2 or AS3 suffix.)
Footnotes (5, 10, & 11)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 8	Opp	53					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 8	Opp	70					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 8	Opp	91					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 8	Opp	107					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 8	Opp	131					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 8	Opp	137					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 8	Opp	168					Included	Cable	210	40
	TG6D-S6813-C1BH	1, 6	Opp	177				23M60200S	20MK6603	Cable	207	39
	TG6D-S6815-C1BH	1, 4, 6	Opp	198				23M60200S	20MK6603	Cable	184	35
SH SERIES	SH6S-U6005-E1BX	1	Opp	70					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	1, 8	Opp	103					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	1, 8	Opp	128					Included	Elec/Air	308	59
	SH6D-S6812-E1BX	1	Opp	156				23M60200S	20TK4433	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	1	Opp	49					Included	Power	300	57
	CS6S-U6004-E1BX	1	Opp	64					Included	Power	300	57
	CS6S-U6005-E1BX	1	Opp	70					Included	Power	300	57
	CS6S-U6806-E1BX	1	Opp	82					Included	Power	300	57
	CS6S-U6807-E1BX	1, 8	Opp	103					Included	Power	300	57
	CS6S-U6809-E1BX	1, 8	Opp	128					Included	Power	275	52
	CS6D-S6812-E1BX	1	Opp	156				23M60200S	20TK4433	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	3, 9	Opp	40		40		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	9	Opp	81		81		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		7	40TU6855-1						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 RL Series with combined reduction gear box.
4 18 ratio TG interferes with adjacent gear.
5 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
6 TG Series Input Gear #03T94243 — Refer to kit program on pages 27 & 28.
7 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
8 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S & stud kit 20MK6603 (20TK4433 for SH or CS).
9 Do not use for continuous duty applications.
10 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.
11 AS2 or AS3 Auto Shift transmissions need to be connected to PTO through the TCM per Eaton instructions.

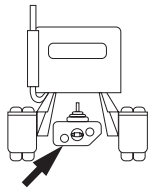
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1620 FPM **RPM:** 790



RTLOC-1690A, RTLOF -1690A, RTO-9509B, 11609B, 11609H, 11709B, 11709H, 11710C, 12609B, 12609H, 12709H, 12710C, 13609B, 13609H, 13709H, 13710C, 14609B, 14609H, 14610C, 14709H, 14610C, 14710C (AS2), 14910C, 15710C, 16709B, 16709H, 16710C, 16910C, 11709MLL, 11909ALL, 11909MLL, 14709MLL, 14909MLL, 16909ALL, RTLO-12713A, 12913A, 14913A, 16913A, RTOO-9513, 11613, 14613 (This application also applies to models AS2 or AS3 suffix.)
Footnotes (3, 6, & 9)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 7	Opp	56					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 7	Opp	73					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 7	Opp	95					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 7	Opp	112					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 7	Opp	137					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 7	Opp	143					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 7	Opp	176					Included	Cable	210	40
	TG8D-S6813-C1BH	2	Opp	184				23M80190	20MK8808	Cable	199	38
	TG8D-S6815-C1BH	2	Opp	207				23M80190	20MK8808	Cable	176	34
SH SERIES	SH8S-U6005-E1BX		Opp	73					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	7	Opp	107					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	7	Opp	134					Included	Elec/Air	295	56
	SH8D-S6812-E1BX		Opp	163				23M80190	20MK8808	Elec/Air	221	42
	SH8D-S6813-E1BX		Opp	190				23M80190	20MK8808	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	51					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	67					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	73					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	86					Included	Power	300	57
	CS8S-U6807-E1BX	7	Opp	107					Included	Power	300	57
	CS8S-U6809-E1BX	7	Opp	134					Included	Power	221	42
	CS8D-S6812-E1BX		Opp	163				23M80190	20MK8808	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	5, 8	Opp	41		41		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	8	Opp	84		84		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	52					Included	Lever	500	95
	828S-U6808-L1CX		Opp	82					Included	Lever	450	85
	828S-U6809-L1CX		Opp	101					Included	Lever	388	74
	828S-U6810-L1CX		Opp	109					Included	Lever	362	69
	828S-U6812-L1CX		Opp	125					Included	Lever	313	60
	828S-U6813-L1CX		Opp	146					Included	Lever	271	52
	828S-U6815-L1CX		Opp	159				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	195				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1. TG Series Input Gear: #03T34284 –refer to kit program on pages 27-29.
2. TG Series Input Gear: #03T94243.
3. Vehicles with set-back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
4. When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
5. RL Series with combined reduction gear box. ("03" Ratio).
6. 18 Ratio TG and CS 14 ratio interfere with adjacent gear.
7. Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
8. Do not use for continuous duty applications.
9. PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.
10. AS2 or AS3 Auto Shift transmissions need to be connected to PTO through the TCM per Eaton instructions.

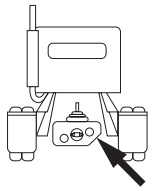
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



RTO-11609P, RTO-12609P, RTO-13609P, RTO-14609P, RTO-11609R, RTO-12609R, RTO-13609R, RTO-14609R

Footnotes (4 & 8)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1836 FPM **RPM:** 935

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 3, 6	Opp	63					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 3, 6	Opp	82					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 3, 6	Opp	107					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 3, 6	Opp	127					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 3, 6	Opp	154					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 3, 6	Opp	161					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 3, 6	Opp	198					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 3, 6	Opp	225					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 3, 6	Opp	254					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 3, 6	Opp	302					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	3	Opp	83					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	3, 6	Opp	122					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	3, 6	Opp	151					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	3, 6	Opp	201					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	3	Opp	58					Included	Power	300	57
	CS6S-U6004-E1BX	3	Opp	76					Included	Power	300	57
	CS6S-U6005-E1BX	3	Opp	83					Included	Power	300	57
	CS6S-U6806-E1BX	3	Opp	97					Included	Power	300	57
	CS6S-U6807-E1BX	3, 6	Opp	122					Included	Power	300	57
	CS6S-U6809-E1BX	3, 6	Opp	151					Included	Power	275	52
	CS6S-U6812-E1BX	3, 6	Opp	201					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	2, 7	Opp	47		47		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	7	Opp	96		96		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO** (see pages 6, 7, & 8)
- C: **SHIFT OPTIONS**
- 1: **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B: **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X: **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
6 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
7 Do not use for continuous duty applications.
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on page 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

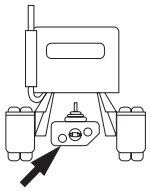
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

RTO-11609P, RTO-12609P, RTO-13609P, RTO-14609P, RTO-11609R, RTO-12609R, RTO-13609R, RTO-14609R
Footnotes (3 & 7)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1917 FPM **RPM:** 935



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 5	Opp	66					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 5	Opp	86					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 5	Opp	112					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 5	Opp	133					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 5	Opp	161					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 5	Opp	168					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 5	Opp	206					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 5	Opp	235					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 5	Opp	265					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 5	Opp	315					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	86					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	5	Opp	127					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	5	Opp	158					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	5	Opp	210					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	5	Opp	244					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	60					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	79					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	86					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	102					Included	Power	300	57
	CS8S-U6807-E1BX	5	Opp	127					Included	Power	300	57
	CS8S-U6809-E1BX	5	Opp	158					Included	Power	275	52
	CS8S-U6812-E1BX	5	Opp	210					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	262					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 6	Opp	49		49		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	100		100		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	61					Included	Lever	500	95
	828S-U6808-L1CX		Opp	97					Included	Lever	450	85
	828S-U6809-L1CX		Opp	120					Included	Lever	388	74
	828S-U6810-L1CX		Opp	129					Included	Lever	362	69
	828S-U6812-L1CX		Opp	149					Included	Lever	313	60
	828S-U6813-L1CX		Opp	172					Included	Lever	271	52
	828S-U6815-L1CX		Opp	188				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	231				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C: **SHIFT OPTIONS**
- 1: **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B: **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X: **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Vehicles with set-back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
4 Change TG Series, CS Series, SH Series and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
5 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

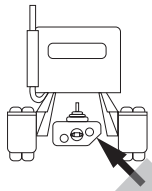
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
78T 10.1P 21.5° PA Spur
LOCATION: Front **PLMF:** .974
PLV: 1035 FPM **RPM:** 512



T-11607B-ASX, T-14607B-ASX, T-14607A, T-14607B
Footnotes (2 & 3)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F1105-C1BX	1	Opp	44				23M60187S	20MK6603	Cable	270	51
	TG6S-F1106-C1BX	1	Opp	58				23M60187S	20MK6603	Cable	245	47
	TG6S-F1107-C1BX	1	Opp	68				23M60187S	20MK6603	Cable	230	44
	TG6S-F1108-C1BX	1	Opp	83				23M60187S	20MK6603	Cable	230	44
	TG6S-F1109-C1BX	1	Opp	87				23M60187S	20MK6603	Cable	205	39
	TG6S-F1112-C1BH	1	Opp	107				23M60187S	20MK6603	Cable	210	40
	TG6S-F1113-C1BH	1	Opp	122				23M60187S	20MK6603	Cable	207	39
	TG6S-F1115-C1BH	1	Opp	137				23M60187S	20MK6603	Cable	184	35
	TG6S-F1118-C1BH	1	Opp	163				23M60187S	20MK6603	Cable	155	29
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T35189 — Refer to kit program on pages 27-29.
2 Direct mount pumps will not clear bulge on right side.
3 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on page 6 of the General Information section.

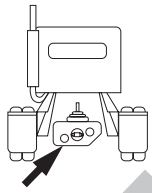
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



T-11607B-ASX, T-14607B-ASX, T-14607A, T-14607B

Footnote (2)

PTO DRIVE GEAR DATA:
78T 10.1P 21.5° PA Spur
LOCATION: Front **PLMF:** .865
PLV: 1035 FPM **RPM:** 512

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-F1105-C1BX	1	Opp	44				23M80032	Included	Cable	270	51
	TG8S-F1106-C1BX	1	Opp	58				23M80032	Included	Cable	245	47
	TG8S-F1107-C1BX	1	Opp	68				23M80032	Included	Cable	230	44
	TG8S-F1108-C1BX	1	Opp	83				23M80032	Included	Cable	230	44
	TG8S-F1109-C1BX	1	Opp	87				23M80032	Included	Cable	205	39
	TG8S-F1112-C1BH	1	Opp	107				23M80032	Included	Cable	210	40
	TG8S-F1113-C1BH	1	Opp	122				23M80032	Included	Cable	199	38
	TG8S-F1115-C1BH	1	Opp	137				23M80032	Included	Cable	176	34
	TG8S-F1118-C1BH	1	Opp	163				23M80032	Included	Cable	148	28
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-F1119-L1CX		Opp	125				23M80190	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35189 — Refer to kit program on pages 27-29.

2 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on page 6 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

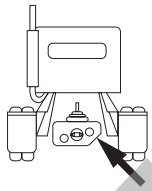
CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



TO-11607B-ASX, TO-14607B-ASX
TX-14607B, TX-8607B
Footnotes (2 & 3)

PTO DRIVE GEAR DATA:
78T 10.1P 21.5° PA Spur
LOCATION: Rear **PLMF:** .974
PLV: 1387 FPM **RPM:** 686

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F1104-C2BX	1	Opp	46				23M60187S	20MK6603	Cable	285	54
	TG6S-F1105-C2BX	1	Opp	60				23M60187S	20MK6603	Cable	270	51
	TG6S-F1106-C2BX	1	Opp	78				23M60187S	20MK6603	Cable	245	47
	TG6S-F1107-C2BX	1	Opp	92				23M60187S	20MK6603	Cable	230	44
	TG6S-F1108-C2BX	1	Opp	112				23M60187S	20MK6603	Cable	230	44
	TG6S-F1109-C2BX	1	Opp	117				23M60187S	20MK6603	Cable	205	39
	TG6S-F1112-C2BH	1	Opp	144				23M60187S	20MK6603	Cable	210	40
	TG6S-F1113-C2BH	1	Opp	164				23M60187S	20MK6603	Cable	207	39
	TG6S-F1115-C2BH	1	Opp	184				23M60187S	20MK6603	Cable	184	35
	TG6S-F1118-C2BH	1	Opp	219				23M60187S	20MK6603	Cable	155	29
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35189 — Refer to kit program on pages 27-29.
2 Direct mount pumps will not clear bulge on transmission case.
3 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on page 6 of the General Information section.

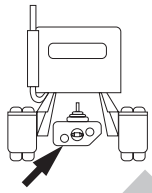
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



TO-11607B-ASX, TO-14607B-ASX
TX-14607B, TX-8607B
Footnote (2)

PTO DRIVE GEAR DATA:
78T 10.1P 21.5° PA Spur
LOCATION: Rear **PLMF:** .865
PLV: 1387 FPM **RPM:** 686

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-F1104-C2BX	1	Opp	46				23M80032	Included	Cable	285	54
	TG8S-F1105-C2BX	1	Opp	60				23M80032	Included	Cable	270	51
	TG8S-F1106-C2BX	1	Opp	78				23M80032	Included	Cable	245	47
	TG8S-F1107-C2BX	1	Opp	92				23M80032	Included	Cable	230	44
	TG8S-F1108-C2BX	1	Opp	112				23M80032	Included	Cable	230	44
	TG8S-F1109-C2BX	1	Opp	117				23M80032	Included	Cable	205	39
	TG8S-F1112-C2BH	1	Opp	144				23M80032	Included	Cable	210	40
	TG8S-F1113-C2BH	1	Opp	164				23M80032	Included	Cable	199	38
	TG8S-F1115-C2BH	1	Opp	184				23M80032	Included	Cable	176	34
	TG8S-F1118-C2BH	1	Opp	219				23M80032	Included	Cable	148	28
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-F1119-L2CX		Opp	167				23M80190	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35189 — Refer to kit program on pages 27-19.

2 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

FULLER TRANSMISSION

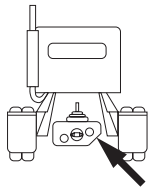
RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

RT-9109A-AT, RT-11109A-AT, RT-12109A-AT, RT-14109A-AT, RTLO-9118

Footnotes (1 & 9)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1370 FPM **RPM:** 700



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	2, 3, 4, 7	Opp	47					Included	Cable	285	54
	TG6S-U6805-C1BX	2, 3, 4, 7	Opp	62					Included	Cable	270	51
	TG6S-U6806-C1BX	2, 3, 4, 7	Opp	80					Included	Cable	245	47
	TG6S-U6807-C1BX	2, 3, 4, 7	Opp	95					Included	Cable	230	44
	TG6S-U6808-C1BX	2, 3, 4, 7	Opp	116					Included	Cable	230	44
	TG6S-U6809-C1BX	2, 3, 4, 7	Opp	121					Included	Cable	205	39
	TG6S-U6812-C1BH	2, 3, 4, 7	Opp	149					Included	Cable	210	40
	TG6S-U6813-C1BH	2, 3, 4, 7	Opp	169					Included	Cable	207	39
	TG6S-U6815-C1BH	2, 3, 4, 7	Opp	191					Included	Cable	184	35
	TG6S-U6818-C1BH	2, 3, 4, 7	Opp	227					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	3, 6	Opp	62					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	3, 6, 7	Opp	91					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	3, 6, 7	Opp	113					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	3, 6, 7	Opp	150					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	3, 6	Opp	43					Included	Power	300	57
	CS6S-U6004-E1BX	3, 6	Opp	57					Included	Power	300	57
	CS6S-U6005-E1BX	3, 6	Opp	62					Included	Power	300	57
	CS6S-U6806-E1BX	3, 6	Opp	73					Included	Power	300	57
	CS6S-U6807-E1BX	3, 6, 7	Opp	91					Included	Power	300	57
	CS6S-U6809-E1BX	3, 6, 7	Opp	113					Included	Power	275	52
	CS6S-U6812-E1BX	3, 6, 7	Opp	150					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6805-L3BX	4, 8	Opp	72		72		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

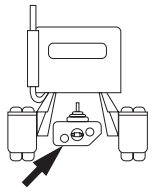
1 Speeds are shown with torque converter in lock-up condition. Torque converter lock-up can be obtained by making the connection to the PTO indicator switch as described in the IN84-03 PTO Operator's Manual.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
4 Requires indicator switch kit 48MK1434-14. TG Series electric/air shift option requires kit 48MK1435-14 instead. Sold separately.
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
6 Requires 48T37432 for connection to pressure switch pigtail, use 34MA1420 for "A" manual airshift option.
7 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
8 Do not use for continuous duty applications.
9 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



RT-9109A-AT, RT-11109A-AT, RT-12109A-AT, RT-14109A-AT, RTLO-9118

Footnotes (1, 5, & 11)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1435 FPM **RPM:** 700

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	2, 3, 7	Opp	49					Included	Cable	285	54
	TG8S-U6805-C1BX	2, 3, 7	Opp	64					Included	Cable	270	51
	TG8S-U6806-C1BX	2, 3, 7	Opp	84					Included	Cable	245	47
	TG8S-U6807-C1BX	2, 3, 7	Opp	99					Included	Cable	230	44
	TG8S-U6808-C1BX	2, 3, 7	Opp	122					Included	Cable	230	44
	TG8S-U6809-C1BX	2, 3, 7	Opp	127					Included	Cable	205	39
	TG8S-U6812-C1BH	2, 3, 7	Opp	156					Included	Cable	210	40
	TG8S-U6813-C1BH	2, 3, 7	Opp	177					Included	Cable	199	38
	TG8S-U6815-C1BH	2, 3, 7	Opp	200					Included	Cable	176	34
	TG8S-U6818-C1BH	2, 3, 7	Opp	236					Included	Cable	148	28
SH SERIES	SH8G-U6005-E1BX	6, 9	Opp	65					Included	Elec/Air	400	76
	SH8G-U6807-E1BX	6, 7, 9	Opp	95					Included	Elec/Air	366	70
	SH8G-U6809-E1BX	6, 7, 9	Opp	118					Included	Elec/Air	295	56
	SH8G-U6812-E1BX	6, 7, 9	Opp	157					Included	Elec/Air	221	42
	SH8G-U6813-E1BX	6, 7, 9	Opp	182					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8G-U6003-E1BX	6, 8	Opp	45					Included	Power	300	57
	CS8G-U6004-E1BX	6, 8	Opp	60					Included	Power	300	57
	CS8G-U6005-E1BX	6, 8	Opp	65					Included	Power	300	57
	CS8G-U6806-E1BX	6, 8	Opp	76					Included	Power	300	57
	CS8G-U6807-E1BX	6, 7, 8	Opp	95					Included	Power	300	57
	CS8G-U6809-E1BX	6, 7, 8	Opp	118					Included	Power	275	52
	CS8G-U6812-E1BX	6, 7, 8	Opp	157					Included	Power	221	42
	CS8G-U6814-E1BX	6, 8	Opp	196					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6805-L3BX	3, 10	Opp	75		75		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	**PTO HOUSING INTERFERENCE WITH TORQUE CONVERTER HOUSING**											
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speeds are shown with torque converter in lock-up condition. Torque converter lock-up can be obtained by making the connection to the PTO indicator switch as described in the IN84-03 PTO Operator's Manual.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 Requires indicator switch kit 48MK1434-14. TG Series electric/air shift option requires kit 48MK1435-14 instead. Both sold separately.
4 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
5 Transmissions with the optional Low profile oil pan will **NOT** accept PTOs on this opening.
6 Requires 48T37432 for connection to pressure switch pigtail, use 34MA1420 for "A" manual airshift option.
7 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
8 CS8G version without the Drag brake is required due to interference with the torque converter housing. This option is only available with the "B", "K" or "V" output shaft option.
9 SH8G version is required due to interference with the torque converter housing. This option is only available with the "B", "K" or "V" output shaft option.
10 Do not use for continuous duty applications.
11 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

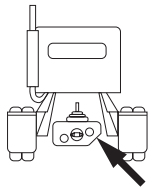
RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

RTO-9109A-AT, RTO-11109A-AT, RTO-12109A-AT, RTO-13109A-AT, RTO-14109A-AT, RTO-16109A-ATE

Footnotes (1 & 10)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1854FPM **RPM:** 944



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	2, 3, 5, 8	Opp	64					Included	Cable	285	54
	TG6S-U6805-C1BX	2, 3, 5, 8	Opp	83					Included	Cable	270	51
	TG6S-U6806-C1BX	2, 3, 5, 8	Opp	108					Included	Cable	245	47
	TG6S-U6807-C1BX	2, 3, 5, 8	Opp	128					Included	Cable	230	44
	TG6S-U6808-C1BX	2, 3, 5, 8	Opp	156					Included	Cable	230	44
	TG6S-U6809-C1BX	2, 3, 5, 8	Opp	163					Included	Cable	205	39
	TG6S-U6812-C1BH	2, 3, 5, 8	Opp	200					Included	Cable	210	40
	TG6S-U6813-C1BH	2, 3, 5, 8	Opp	228					Included	Cable	207	39
	TG6S-U6815-C1BH	2, 3, 5, 8	Opp	257					Included	Cable	184	35
	TG6S-U6818-C1BH	2, 3, 5, 8	Opp	304					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	3, 7	Opp	83					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	3, 7, 8	Opp	123					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	3, 7, 8	Opp	153					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	3, 7, 8	Opp	203					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	3, 7	Opp	58					Included	Power	300	57
	CS6S-U6004-E1BX	3, 7	Opp	76					Included	Power	300	57
	CS6S-U6005-E1BX	3, 7	Opp	83					Included	Power	300	57
	CS6S-U6806-E1BX	3, 7	Opp	96					Included	Power	300	57
	CS6S-U6807-E1BX	3, 7, 8	Opp	123					Included	Power	300	57
	CS6S-U6809-E1BX	3, 7, 8	Opp	153					Included	Power	275	52
	CS6S-U6812-E1BX	3, 7, 8	Opp	203					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	4, 5, 9	Opp	47		47		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	5, 9	Opp	96		96		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		6	40TU6855-1						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speeds are shown with torque converter in lock-up condition. Torque converter lock-up can be obtained by making the connection to the PTO indicator switch as described in the IN84-03 PTO Operator's Manual.

2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.

3 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.

4 RL Series with combined reduction gear box.

5 Requires indicator switch kit 48MK1434-14. TG Series electric/air shift option requires kit 48MK1435-14 instead. Sold separately.

6 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.

7 Requires 48T37432 for connection to pressure switch pigtail, use 34MA1420 for "A" manual airshift option.

8 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S & stud kit 20MK6603 (20TK4433 for SH or CS).

9 Do not use for continuous duty applications.

10 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

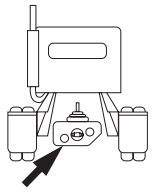
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1939 FPM **RPM:** 944



RTO-9109A-AT, RTO-11109A-AT, RTO-12109A-AT, RTO-13109A-AT, RTO-14109A-AT, RTO-16109A-ATE

Footnotes (1, 6, & 12)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	2, 4, 8	Opp	67					Included	Cable	285	54
	TG8S-U6805-C1BX	2, 4, 8	Opp	87					Included	Cable	270	51
	TG8S-U6806-C1BX	2, 4, 8	Opp	113					Included	Cable	245	47
	TG8S-U6807-C1BX	2, 4, 8	Opp	134					Included	Cable	230	44
	TG8S-U6808-C1BX	2, 4, 8	Opp	164					Included	Cable	230	44
	TG8S-U6809-C1BX	2, 4, 8	Opp	171					Included	Cable	205	39
	TG8S-U6812-C1BH	2, 4, 8	Opp	210					Included	Cable	210	40
	TG8S-U6813-C1BH	2, 4, 8	Opp	239					Included	Cable	199	38
	TG8S-U6815-C1BH	2, 4, 8	Opp	269					Included	Cable	176	34
	TG8S-U6818-C1BH	2, 4, 8	Opp	318					Included	Cable	148	28
SH SERIES	SH8G-U6005-E1BX	7, 10	Opp	87					Included	Elec/Air	400	76
	SH8G-U6807-E1BX	7, 8, 10	Opp	128					Included	Elec/Air	366	70
	SH8G-U6809-E1BX	7, 8, 10	Opp	160					Included	Elec/Air	295	56
	SH8G-U6812-E1BX	7, 8, 10	Opp	212					Included	Elec/Air	221	42
	SH8G-U6813-E1BX	7, 8, 10	Opp	246					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8G-U6003-E1BX	7, 9	Opp	61					Included	Power	300	57
	CS8G-U6004-E1BX	7, 9	Opp	80					Included	Power	300	57
	CS8G-U6005-E1BX	7, 9	Opp	87					Included	Power	300	57
	CS8G-U6806-E1BX	7, 9	Opp	103					Included	Power	300	57
	CS8G-U6807-E1BX	7, 8, 9	Opp	128					Included	Power	300	57
	CS8G-U6809-E1BX	7, 8, 9	Opp	160					Included	Power	275	52
	CS8G-U6812-E1BX	7, 8, 9	Opp	212					Included	Power	221	42
	CS8G-U6814-E1BX	7, 9	Opp	265					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	3, 4, 11	Opp	49		49		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	4, 11	Opp	101		101		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	**PTO HOUSING INTERFERENCE WITH TORQUE CONVERTER HOUSING**											
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

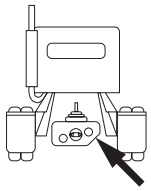
1 Speeds are shown with torque converter in lock-up condition. Torque converter lock-up can be obtained by making the connection to the PTO indicator switch as described in the IN84-03 PTO Operator's Manual.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 RL Series with combined reduction gear box.
4 Requires indicator switch kit 48MK1434-14. TG Series electric/air shift option requires kit 48MK1435-14 instead. Both sold separately.
5 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
6 Transmissions with the optional Lo profile oil pan will NOT accept PTOs on this opening.
7 Requires 48T37432 for connection to pressure switch pigtail, use 34MA1420 for "A" manual airshift option.
8 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
9 CS8G version without the Drag brake is required due to interference with the torque converter housing. This option is only available with the "B", "K" or "V" output shaft option.
10 SH8G version is required due to interference with the torque converter housing. This option is only available with the "B", "K" or "V" output shaft option.
11 Do not use for continuous duty applications.
12 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



RTO-9109B-AT, RTO-11109B-AT, RTO-12109B-AT, RTO-13109B-AT, RTO-14109B-AT, RTO-16109B-AT

Footnotes (1 & 11)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1550FPM **RPM:** 790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	2, 3, 5, 9	Opp	53					Included	Cable	285	54
	TG6S-U6805-C1BX	2, 3, 5, 9	Opp	70					Included	Cable	270	51
	TG6S-U6806-C1BX	2, 3, 5, 9	Opp	91					Included	Cable	245	47
	TG6S-U6807-C1BX	2, 3, 5, 9	Opp	107					Included	Cable	230	44
	TG6S-U6808-C1BX	2, 3, 5, 9	Opp	131					Included	Cable	230	44
	TG6S-U6809-C1BX	2, 3, 5, 9	Opp	137					Included	Cable	205	39
	TG6S-U6812-C1BH	2, 3, 5, 9	Opp	168					Included	Cable	210	40
	TG6D-S6813-C1BH	3, 5, 6	Opp	177				23M60200S	20MK6603	Cable	207	39
	TG6D-S6815-C1BH	3, 5, 6	Opp	198				23M60200S	20MK6603	Cable	184	35
SH SERIES	SH6S-U6005-E1BX	3, 8	Opp	70					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	3, 8, 9	Opp	103					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	3, 8, 9	Opp	128					Included	Elec/Air	308	59
	SH6D-S6812-E1BX	3, 8	Opp	156				23M60200S	20TK4433	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	3, 8	Opp	49					Included	Power	300	57
	CS6S-U6004-E1BX	3, 8	Opp	64					Included	Power	300	57
	CS6S-U6005-E1BX	3, 8	Opp	70					Included	Power	300	57
	CS6S-U6806-E1BX	3, 8	Opp	82					Included	Power	300	57
	CS6S-U6807-E1BX	3, 8, 9	Opp	103					Included	Power	300	57
	CS6S-U6809-E1BX	3, 8, 9	Opp	128					Included	Power	275	52
	CS6D-S6812-E1BX	3, 8	Opp	156				23M60200S	20TK4433	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	4, 5, 10	Opp	40		40		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	5, 10	Opp	81		81		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		7	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speeds are shown with torque converter in lock-up condition. Torque converter lock-up can be obtained by making the connection to the PTO indicator switch as described in the IN84-03 PTO Operator's Manual.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27 & 28.
3 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68**C1SX for pumps up to the PKS1-15-02BPBB. The 17GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
4 RL Series with combined reduction gear box.
5 Requires indicator switch kit 48MK1434-14. TG Series electric/air shift option requires kit 48MK1435-14 instead. Both sold separately.
6 TG Series Input Gear #03T94243.
7 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
8 Requires 48T37432 for connection to pressure switch pigtail, use 34MA1420 for "A" manual airshift option.
9 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
10 Do not use for continuous duty applications.
11 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 12 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

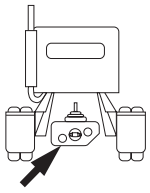
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

RTO-9109B-AT, RTO-11109B-AT, RTO-12109B-AT, RTO-13109B-AT, RTO-14109B-AT, RTO-16109B-AT
Footnotes (1, 6, & 13)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1620 FPM **RPM:** 790



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,,, 500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	2, 4, 9	Opp	56					Included	Cable	285	54
	TG8S-U6805-C1BX	2, 4, 9	Opp	73					Included	Cable	270	51
	TG8S-U6806-C1BX	2, 4, 9	Opp	95					Included	Cable	245	47
	TG8S-U6807-C1BX	2, 4, 9	Opp	112					Included	Cable	230	44
	TG8S-U6808-C1BX	2, 4, 9	Opp	137					Included	Cable	230	44
	TG8S-U6809-C1BX	2, 4, 9	Opp	143					Included	Cable	205	39
	TG8S-U6812-C1BH	2, 4, 9	Opp	176					Included	Cable	210	40
	TG8D-S6813-C1BH	4, 7	Opp	184				23M80190	20MK8808	Cable	199	38
	TG8D-S6815-C1BH	4, 7	Opp	207				23M80190	20MK8808	Cable	176	34
SH SERIES	SH8G-U6005-E1BX	8, 11	Opp	73					Included	Elec/Air	400	76
	SH8G-U6807-E1BX	8, 9, 11	Opp	107					Included	Elec/Air	366	70
	SH8G-U6809-E1BX	8, 9, 11	Opp	134					Included	Elec/Air	295	56
	SH8G-S6812-E1BX	8, 11	Opp	163				23M80190	20MK8808	Elec/Air	221	42
	SH8G-S6813-E1BX	8, 11	Opp	190				23M80190	20MK8808	Elec/Air	200	38
CLUTCH SHIFT	CS8G-U6003-E1BX	8, 10	Opp	51					Included	Power	300	57
	CS8G-U6004-E1BX	8, 10	Opp	67					Included	Power	300	57
	CS8G-U6005-E1BX	8, 10	Opp	73					Included	Power	300	57
	CS8G-U6806-E1BX	8, 10	Opp	86					Included	Power	300	57
	CS8G-U6807-E1BX	8, 9, 10	Opp	107					Included	Power	300	57
	CS8G-U6809-E1BX	8, 9, 10	Opp	134					Included	Power	275	52
	CS8G-S6812-E1BX	8, 10	Opp	163				23M80190	20MK8808	Power	221	42
1 FWD. 1 REV.	RL8S-U6803-L3BX	3, 4, 12	Opp	41		41		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	4, 12	Opp	84		84		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	**PTO HOUSING INTERFERENCE WITH TORQUE CONVERTER HOUSING**											
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **SPECIAL OPTIONS** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

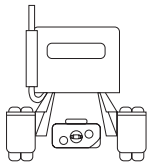
FOOTNOTES:

1 Speeds shown with torque converter in lock-up condition. Torque converter lock-up can be obtained by making the connection to PTO indicator switch as described in the IN84-03 PTO Operator's Manual.
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 RL Series with combined reduction gear box.
4 Requires indicator switch kit 48MK1434-14. TG Series electric/air shift option requires kit 48MK1435-14 instead. Both sold separately.
5 Change TG Series, CS Series, SH Series and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
6 Transmissions with the optional Lo profile oil pan will accept PTOs on this opening.
7 TG Series Input Gear #03T94243 — Refer to kit program on page 10 & 11.
8 Requires 48T37432 for connection to pressure switch pigtail, use 34MA1420 for "A" manual airshift option.
9 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
10 CS8G version without the Drag brake is required due to interference with the torque converter housing. This option is only available with the "B", "K" or "V" output shaft option.
11 SH8G version is required due to interference with the torque converter housing. This option is only available with the "B", "K" or "V" output shaft option.
12 Do not use for continuous duty applications.
13 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



CEEMAT WITH ENGINE DRIVEN PTO OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTOS - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see pages)
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

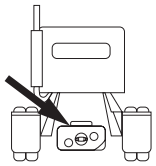
FOOTNOTES:

FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
66T 8.55P 21° Spur
LOCATION: Front **PLMF:** 5.046
PLV: 2021 FPM **RPM:** 1,000



CEEMAT WITH ENGINE DRIVEN PTO OPENING

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTOS AVAILABLE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

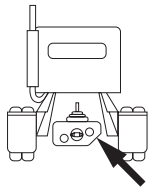
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

FR-9210A, FRO-11210C, 12210C, 13210C, 14210C, 15210C, 16210C, 17210C, 18210C, RTO-11210C, 12210C, 13210C, 14210C, 15210C, 16210C, 11210R, 12210R, 13210R, 14210R
Footnotes (1, 3, 7, & 9)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1649 FPM **RPM:** 840



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-U6804-C1BX	2, 6	Opp	57					Included	Cable	285	54
	TG6B-U6805-C1BX	2, 6	Opp	74					Included	Cable	270	51
	TG6B-U6806-C1BX	2, 6	Opp	96					Included	Cable	245	47
	TG6B-U6807-C1BX	2, 6	Opp	113					Included	Cable	230	44
	TG6B-U6808-C1BX	2, 6	Opp	139					Included	Cable	230	44
	TG6B-U6809-C1BX	2, 6	Opp	145					Included	Cable	205	39
	TG6B-U6812-C1BH	2, 6	Opp	184					Included	Cable	210	40
	TG6B-U6813-C1BH	2, 6	Opp	209					Included	Cable	207	39
	TG6B-U6815-C1BH	2, 6	Opp	236					Included	Cable	184	35
	TG6D-S6818-C1BH	2, 6	Opp	252				23M60200S	20MKM603	Cable	155	29
SH SERIES	SH6B-U6005-E1BX		Opp	74					Included	Elec/Air	400	76
	SH6B-U6807-E1BX	6	Opp	109					Included	Elec/Air	383	73
	SH6B-U6809-E1BX	6	Opp	136					Included	Elec/Air	308	59
	SH6D-S6812-E1BX		Opp	167				23M60200S	20TK4360	Elec/Air	231	44
CLUTCH SHIFT	CS6B-U6003-E1BX		Opp	52					Included	Power	300	57
	CS6B-U6004-E1BX		Opp	68					Included	Power	300	57
	CS6B-U6005-E1BX		Opp	74					Included	Power	300	57
	CS6B-U6806-E1BX		Opp	88					Included	Power	300	57
	CS6B-U6807-E1BX	6	Opp	109					Included	Power	300	57
	CS6B-U6809-E1BX	6	Opp	136					Included	Power	275	52
	CS6D-S6812-E1BX		Opp	167				23M60200S	20TK4360	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	4, 8	Opp	42		42		23M60200S	20MKM603	Lever	200	38
	RL6D-U6805-L3BX	8	Opp	86		86		23M60200S	20MKM603	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1M						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, & 8)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Metric stud kit is included (unless otherwise noted).
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 Direct mount pumps will not clear bulge on right side unless adapter is used.
4 RL Series with combined reduction gear box.
5 Typical adapter used to clear frame interference. 40TU6845-1M & 40TU6830-1M are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended. The PTO needs to be ordered with the standard "S" housing designator for the correct stud kit to mount to the adapter.
6 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MKM603 (20TK4360 for CS or SH Series).
7 FRO Series transmissions are available with built-in oil cooler requires 40TU6800+23M62000+20MKM114 to mount PTO. Please note the rotation change when using this adapter. There is possible interference with a spring hanger in addition to the integral oil cooler. If this is present on your application then this adapter will not allow the PTO to clear the spring hanger. Satisfactory installation has been made with the CS6 or SH6 PTO **without an adapter** and only using the "B" output shaft option with a driveshaft. The bolts holding the spring need to be removed and installed with the nuts to the outside for PTO clearance.
8 Do not use for continuous duty applications.
9 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

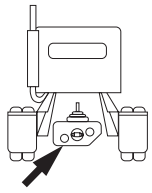
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1723 FPM **RPM:** 840



FR-9210A, FRO-11210C, 12210C, 13210C, 14210C, 15210C, 16210C, 17210C, 18210C, RTO-11210C, 12210C, 13210C, 14210C, 15210C, 16210C, 11210R, 12210R, 13210R, 14210R
Footnotes (1 & 9)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8B-U6804-C1BX	2, 7	Opp	59					Included	Cable	285	54
	TG8B-U6805-C1BX	2, 7	Opp	77					Included	Cable	270	51
	TG8B-U6806-C1BX	2, 7	Opp	100					Included	Cable	245	47
	TG8B-U6807-C1BX	2, 7	Opp	118					Included	Cable	230	44
	TG8B-U6808-C1BX	2, 7	Opp	145					Included	Cable	230	44
	TG8B-U6809-C1BX	2, 7	Opp	151					Included	Cable	205	39
	TG8B-U6812-C1BH	2, 7	Opp	186					Included	Cable	210	40
	TG8B-U6813-C1BH	2, 7	Opp	212					Included	Cable	199	38
	TG8B-U6815-C1BH	2, 7	Opp	247					Included	Cable	176	34
	TG8B-U6818-C1BH	2, 7	Opp	283					Included	Cable	148	28
SH SERIES	SH8B-U6005-E1BX		Opp	77					Included	Elec/Air	400	76
	SH8B-U6807-E1BX	7	Opp	114					Included	Elec/Air	366	70
	SH8B-U6809-E1BX	7	Opp	142					Included	Elec/Air	295	56
	SH8B-U6812-E1BX	7	Opp	189					Included	Elec/Air	221	42
	SH8B-U6813-E1BX	7	Opp	219					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8B-U6003-E1BX		Opp	54					Included	Power	300	57
	CS8B-U6004-E1BX		Opp	71					Included	Power	300	57
	CS8B-U6005-E1BX		Opp	77					Included	Power	300	57
	CS8B-U6806-E1BX		Opp	91					Included	Power	300	57
	CS8B-U6807-E1BX	7	Opp	114					Included	Power	300	57
	CS8B-U6809-E1BX	7	Opp	142					Included	Power	275	52
	CS8B-U6812-E1BX	7	Opp	189					Included	Power	221	42
1 FWD. 1 REV.	RL8B-U6803-L3BX	4, 8	Opp	44		44		23M80032	Included	Lever	200	38
	RL8B-U6805-L3BX	8	Opp	90		90		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6886-1 + 23M80500 +23M80062 + 20MKM804						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828B-U6805-L1CX		Opp	55					Included	Lever	500	95
	828B-U6808-L1CX		Opp	87					Included	Lever	450	85
	828B-U6809-L1CX		Opp	107					Included	Lever	388	74
	828B-U6810-L1CX		Opp	116					Included	Lever	362	69
	828B-U6812-L1CX		Opp	133					Included	Lever	313	60
	828B-U6813-L1CX		Opp	154					Included	Lever	271	52
	828B-U6815-L1CX		Opp	169				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	207				23M80248	20MKM804	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages
- **SHIFT OPTIONS** 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Metric stud kit included.
2 TG Series Input Gear: #03T34284. Refer to kit program on pages 27-29.
3 29MK8460M adapter plate includes the 20MKM800 metric stud kit.
4 RL Series with combined reduction gear box.
5 Change TG, CS, SH, or RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, or RL6D respectively). For all Series PTOs retain standard stud kit for PTO. Add 23M60200S+20MK6603 for RL Series on PTO side of adapter.
6 29MK8248M adapter plate includes the 20MKM800 metric stud kit.
7 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MKM802.
8 Do not use for continuous duty applications.
9 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

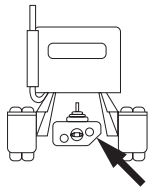
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

FRO-9210B, 11210B, 12210B, 13210B, 14210B, 15210B, 16210B, RTO-11209B, 12209B, 13209B, 14209B, 11209H, 12209H, 13209H, 14209H, 11210B, 12210B, 13210B, 14209B, 14210B, 15210B, 16210B
Footnotes (1, 3, 8, & 9)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1708 FPM **RPM:** 870



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-U6804-C1BX	2, 6	Opp	59					Included	Cable	285	54
	TG6B-U6805-C1BX	2, 6	Opp	77					Included	Cable	270	51
	TG6B-U6806-C1BX	2, 6	Opp	100					Included	Cable	245	47
	TG6B-U6807-C1BX	2, 6	Opp	117					Included	Cable	230	44
	TG6B-U6808-C1BX	2, 6	Opp	144					Included	Cable	230	44
	TG6B-U6809-C1BX	2, 6	Opp	150					Included	Cable	205	39
	TG6B-U6812-C1BH	2, 6	Opp	191					Included	Cable	210	40
	TG6B-U6813-C1BH	2, 6	Opp	217					Included	Cable	207	39
	TG6B-U6815-C1BH	2, 6	Opp	245					Included	Cable	184	35
	TG6D-S6818-C1BH	2	Opp	259				23M60200S	20MKM603	Cable	155	29
SH SERIES	SH6B-U6005-E1BX		Opp	77					Included	Elec/Air	400	76
	SH6B-U6807-E1BX	6	Opp	113					Included	Elec/Air	383	73
	SH6B-U6809-E1BX	6	Opp	141					Included	Elec/Air	308	59
	SH6D-S6812-E1BX		Opp	172				23M60200S	20TK4360	Elec/Air	231	44
CLUTCH SHIFT	CS6B-U6003-E1BX		Opp	54					Included	Power	300	57
	CS6B-U6004-E1BX		Opp	70					Included	Power	300	57
	CS6B-U6005-E1BX		Opp	77					Included	Power	300	57
	CS6B-U6806-E1BX		Opp	91					Included	Power	300	57
	CS6B-U6807-E1BX	6	Opp	113					Included	Power	300	57
	CS6B-U6809-E1BX	6	Opp	141					Included	Power	275	52
	CS6D-S6812-E1BX		Opp	172				23M60200S	20TK4360	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	4, 7	Opp	43		43		23M60200S	20MKM603	Lever	200	38
	RL6D-U6805-L3BX	7	Opp	89		89		23M60200S	20MKM603	Lever	200	38
ADAPTER TO CHANGE ROTATION		**5**	40TU6855-1M						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Metric stud kit included (unless otherwise noted).
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 Direct mount pumps will not clear bulge on right side unless adapter is used.
4 RL Series with combined reduction gear box.
5 Typical adapter used to clear frame interference. 40TU6845-1M & 40TU6830-1M are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended. The PTO needs to be ordered with the standard "S" housing designator for the correct stud kit to mount to the adapter.
6 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MKM603 (20TK4360 for SH or CS).
7 FRO Series transmissions are available with built-in oil cooler requires 40TU6800+23M62000+20MKM114 to mount PTO. Please note the rotation change when using this adapter. There is possible interference with a spring hanger in addition to the integral oil cooler. If this is present on your application then this adapter will not allow the PTO to clear the spring hanger. Satisfactory installation has been made with the CS6 or SH6 PTO **without an adapter** and only using the "B" output shaft option with a driveshaft. The bolts holding the spring need to be removed and installed with the nuts to the outside for PTO clearance.
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

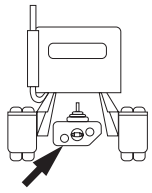
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1784 FPM **RPM:** 870



FRO-9210B, 11210B, 12210B, 13210B, 14210B, 15210B, 16210B, RTO-11209B, 12209B, 13209B, 14209B, 11209H, 12209H, 13209H, 14209H, 11210B, 12210B, 13210B, 14209B, 14210B, 15210B, 16210B
Footnotes (1 & 10)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8B-U6804-C1BX	2, 7	Opp	61					Included	Cable	285	54
	TG8B-U6805-C1BX	2, 7	Opp	80					Included	Cable	270	51
	TG8B-U6806-C1BX	2, 7	Opp	104					Included	Cable	245	47
	TG8B-U6807-C1BX	2, 7	Opp	123					Included	Cable	230	44
	TG8B-U6808-C1BX	2, 7	Opp	150					Included	Cable	230	44
	TG8B-U6809-C1BX	2, 7	Opp	157					Included	Cable	205	39
	TG8B-U6812-C1BH	2, 7	Opp	193					Included	Cable	210	40
	TG8B-U6813-C1BH	2, 7	Opp	219					Included	Cable	199	38
	TG8B-U6815-C1BH	2, 7	Opp	256					Included	Cable	176	34
	TG8D-S6818-C1BH	8	Opp	270				23M80190	20MKM802	Cable	148	28
SH SERIES	SH8B-U6005-E1BX		Opp	80					Included	Elec/Air	400	76
	SH8B-U6807-E1BX	7	Opp	118					Included	Elec/Air	366	70
	SH8B-U6809-E1BX	7	Opp	147					Included	Elec/Air	295	56
	SH8B-U6812-E1BX	7	Opp	195					Included	Elec/Air	221	42
	SH8B-U6813-E1BX	7	Opp	227					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8B-U6003-E1BX		Opp	56					Included	Power	300	57
	CS8B-U6004-E1BX		Opp	74					Included	Power	300	57
	CS8B-U6005-E1BX		Opp	80					Included	Power	300	57
	CS8B-U6806-E1BX		Opp	95					Included	Power	300	57
	CS8B-U6807-E1BX	7	Opp	118					Included	Power	300	57
	CS8B-U6809-E1BX	7	Opp	147					Included	Power	275	52
	CS8B-U6812-E1BX	7	Opp	195					Included	Power	221	42
	CS8B-U6814-E1BX		Opp	244					Included	Power	178	34
1 FWD. 1 REV.	RL8B-U6803-L3BX	4, 9	Opp	45		45		23M80032	Included	Lever	200	38
	RL8B-U6805-L3BX	9	Opp	93		93		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6886-1 + 23M80500 +23M80062 + 20MKM804						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828B-U6805-L1CX		Opp	57					Included	Lever	500	95
	828B-U6808-L1CX		Opp	90					Included	Lever	450	85
	828B-U6809-L1CX		Opp	111					Included	Lever	388	74
	828B-U6810-L1CX		Opp	120					Included	Lever	362	69
	828B-U6812-L1CX		Opp	138					Included	Lever	313	60
	828B-U6813-L1CX		Opp	160					Included	Lever	271	52
	828B-U6815-L1CX		Opp	175				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	215				23M80248	20MKM804	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Metric stud kit is included (unless otherwise noted).
2 TG Series Input Gear: #03T34284 – Refer to kit program on pages 27-29.
3 29MK8460M adapter plate includes the 20MKM800 metric stud kit.
4 RL Series with combined reduction gear box.
5 Change TG, CS, SH, or RL Series to 6-Bolt housing (TG6S, CS6S, SH6S, and RL6D respectively). For all Series PTOs retain standard stud kit for PTO. Add 23M60200S+20MK6603 for RL Series on PTO side of adapter.
6 29MK8248M adapter plate includes the 20MKM800 metric stud kit.
7 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MKM802.
8 TG Series Input Gear: #03T94243 – refer to kit program on pages 27-29.
9 Do not use for continuous duty applications.
10 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11) of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

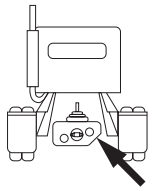
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

FR-9210B, FR-11210B, FR-12210B, FR-13210B, FR-14210B, FR(M)-15210B, FR(W)-15210B, RT-11209H, RT-12209H, RT-13209H, RT-14209H, RT-11210B, RT-12210B, RT-13210B, RT-14210B
Footnotes (1, 3, 8, & 9)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1276 FPM **RPM:** 650



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-U6804-C1BX	2, 6	Opp	44					Included	Cable	285	54
	TG6B-U6805-C1BX	2, 6	Opp	57					Included	Cable	270	51
	TG6B-U6806-C1BX	2, 6	Opp	74					Included	Cable	245	47
	TG6B-U6807-C1BX	2, 6	Opp	88					Included	Cable	230	44
	TG6B-U6808-C1BX	2, 6	Opp	107					Included	Cable	230	44
	TG6B-U6809-C1BX	2, 6	Opp	112					Included	Cable	205	39
	TG6B-U6812-C1BH	2, 6	Opp	143					Included	Cable	210	40
	TG6B-U6813-C1BH	2, 6	Opp	162					Included	Cable	207	39
	TG6B-U6815-C1BH	2, 6	Opp	183					Included	Cable	184	35
	TG6B-U6818-C1BH	2, 6	Opp	210					Included	Cable	155	29
SH SERIES	SH6B-U6005-E1BX		Opp	57					Included	Elec/Air	400	76
	SH6B-U6807-E1BX	6	Opp	84					Included	Elec/Air	383	73
	SH6B-U6809-E1BX	6	Opp	105					Included	Elec/Air	308	59
	SH6B-U6812-E1BX	6	Opp	140					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6B-U6003-E1BX		Opp	40					Included	Power	300	57
	CS6B-U6004-E1BX		Opp	53					Included	Power	300	57
	CS6B-U6005-E1BX		Opp	57					Included	Power	300	57
	CS6B-U6806-E1BX		Opp	68					Included	Power	300	57
	CS6B-U6807-E1BX	6	Opp	84					Included	Power	300	57
	CS6B-U6809-E1BX	6	Opp	105					Included	Power	275	52
	CS6B-U6812-E1BX	6	Opp	140					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	4, 7	Opp	32		32		23M60200S	20MKM603	Lever	200	38
	RL6D-U6805-L3BX	7	Opp	66		66		23M60200S	20MKM603	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1M						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Metric stud kit included (unless otherwise noted).
2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
3 Direct mount pumps will not clear bulge on right side unless adapter is used.
4 RL Series with combined reduction gear box.
5 Typical adapter used to clear frame interference. 40TU6845-1M & 40TU6830-1M are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended. The PTO needs to be ordered with the standard "S" housing designator for the correct stud kit to mount to the adapter.
6 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MKM603 (20TK4360 for SH or CS).
7 Do not use for continuous duty applications.
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.
9 FR Series transmissions are available with built-in oil cooler requires 40TU6800+23M62000+20MKM114 to mount PTO. Please note the rotation change when using this adapter. There is possible interference with a spring hanger in addition to the integral oil cooler. If this is present on your application then this adapter will not allow the PTO to clear the spring hanger. Satisfactory installation has been made with the CS6 or SH6 PTO **without an adapter** and only using the "B" output shaft option with a driveshaft. The bolts holding the spring need to be removed and installed with the nuts to the outside for PTO clearance.

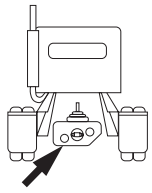
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1333 FPM **RPM:** 650



FR-9210B, FR-11210B, FR-12210B, FR-13210B, FR-14210B, FR(M)-15210B, FR(W)-15210B, RT-11209H, RT-12209H, RT-13209H, RT-14209H, RT-11210B, RT-12210B, RT-13210B, RT-14210B
Footnotes (1 & 9)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8B-U6804-C1BX	2, 7	Opp	46					Included	Cable	285	54
	TG8B-U6805-C1BX	2, 7	Opp	60					Included	Cable	270	51
	TG8B-U6806-C1BX	2, 7	Opp	78					Included	Cable	245	47
	TG8B-U6807-C1BX	2, 7	Opp	92					Included	Cable	230	44
	TG8B-U6808-C1BX	2, 7	Opp	112					Included	Cable	230	44
	TG8B-U6809-C1BX	2, 7	Opp	117					Included	Cable	205	39
	TG8B-U6812-C1BH	2, 7	Opp	144					Included	Cable	210	40
	TG8B-U6813-C1BH	2, 7	Opp	164					Included	Cable	199	38
	TG8B-U6815-C1BH	2, 7	Opp	191					Included	Cable	176	34
	TG8B-U6818-C1BH	2, 7	Opp	219					Included	Cable	148	28
SH SERIES	SH8B-U6005-E1BX		Opp	60					Included	Elec/Air	400	76
	SH8B-U6807-E1BX	7	Opp	88					Included	Elec/Air	366	70
	SH8B-U6809-E1BX	7	Opp	110					Included	Elec/Air	295	56
	SH8B-U6812-E1BX	7	Opp	146					Included	Elec/Air	221	42
	SH8B-U6813-E1BX	7	Opp	169					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8B-U6003-E1BX		Opp	42					Included	Power	300	57
	CS8B-U6004-E1BX		Opp	55					Included	Power	300	57
	CS8B-U6005-E1BX		Opp	60					Included	Power	300	57
	CS8B-U6806-E1BX		Opp	71					Included	Power	300	57
	CS8B-U6807-E1BX	7	Opp	88					Included	Power	300	57
	CS8B-U6809-E1BX	7	Opp	110					Included	Power	275	52
	CS8B-U6812-E1BX	7	Opp	146					Included	Power	221	42
	CS8B-U6814-E1BX		Opp	182					Included	Power	178	34
1 FWD. 1 REV.	RL8B-U6803-L3BX	4, 8	Opp	34		34		23M80032	Included	Lever	200	38
	RL8B-U6805-L3BX	8	Opp	69		69		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6886-1 + 23M80500 +23M80062 + 20MKM804						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828B-U6805-L1CX		Opp	42					Included	Lever	500	95
	828B-U6808-L1CX		Opp	67					Included	Lever	450	85
	828B-U6809-L1CX		Opp	83					Included	Lever	388	74
	828B-U6810-L1CX		Opp	90					Included	Lever	362	69
	828B-U6812-L1CX		Opp	103					Included	Lever	313	60
	828B-U6813-L1CX		Opp	120					Included	Lever	271	52
	828B-U6815-L1CX		Opp	130				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	160				23M80248	20MKM804	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Metric stud kit included (unless otherwise noted).
2 TG Series Input Gear: #03T34284 – Refer to kit program on pages 27-29.
3 29MK8460M adapter plate includes the 20MKM800 metric stud kit.
4 RL Series with combined reduction gear box.
5 Change TG, CS, SH, or RL Series to 6-Bolt housing (TG6S, CS6S, SH6S, and RL6D respectively). For all Series PTOs retain standard stud kit for PTO. Add 23M60200S+20MK6603 for RL Series on PTO side of adapter.
6 29MK8248M adapter plate includes the 20MKM800 metric stud kit.
7 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MKM802.
8 Do not use for continuous duty applications.
9 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

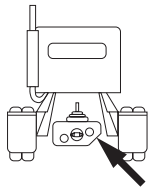
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1370 FPM **RPM:** 700



RTLO-9118A-MT, RTLO-11610B-T2, RTL-11710B, RTL-11710B-T2, RTLO-12610B-T2, RTL-11710B, RTL-12710B, RTL-12710B-T2, RTLO-13610B-T2, RTL-13710B, RTL-13710B-T2, RTLO-14610B-T2, RTL-14710B, RTL-14710B-T2, RTLO-15610B-T2, RTLO-16610B-T2, RTLO-17610B, RTLO-17610B-T2, RTLO-18610B-T2
Footnotes (2, 3, & 9)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 4, 7	Opp	47					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 4, 7	Opp	62					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 4, 7	Opp	80					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 4, 7	Opp	95					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 4, 7	Opp	116					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 4, 7	Opp	121					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 4, 7	Opp	150					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 4, 7	Opp	169					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 4, 7	Opp	191					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 4, 7	Opp	227					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX		Opp	62					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	7	Opp	91					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	7	Opp	113					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	7	Opp	150					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	45					Included	Power	300	57
	CS6S-U6004-E1BX		Opp	57					Included	Power	300	57
	CS6S-U6005-E1BX		Opp	62					Included	Power	300	57
	CS6S-U6806-E1BX		Opp	73					Included	Power	300	57
	CS6S-U6807-E1BX	7	Opp	91					Included	Power	300	57
	CS6S-U6809-E1BX	7	Opp	113					Included	Power	275	52
	CS6S-U6812-E1BX	7	Opp	150					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	5, 8	Opp	35		35		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	8	Opp	72		72		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		6	40TU6855-1M						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear #03T34284 – Refer to kit program on pages 27-29.
2 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS Series pump to a TG6S-U68**-C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
3 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
4 Some chassis may interfere with indicator switch on air shift PTOs. Order TG-RPS separately.
5 RL Series with combined reduction gear box. ("03" Ratio).
6 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
7 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
8 Do not use for continuous duty applications.
9 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

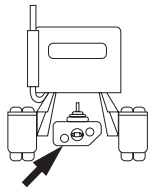
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1435 FPM **RPM:** 700



RTLO-9118A-MT, RTLO-11610B-T2, RTL-11710B, RTL-11710B-T2, RTLO-12610B-T2, RTL-11710B, RTL-12710B, RTL-12710B-T2, RTLO-13610B-T2, RTL-13710B, RTL-13710B-T2, RTLO-14610B-T2, RTL-14710B, RTL-14710B-T2, RTLO-15610B-T2, RTLO-16610B-T2, RTLO-17610B, RTLO-17610B-T2, RTLO-18610B-T2
Footnotes (2 & 7)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 5	Opp	49					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 5	Opp	64					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 5	Opp	84					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 5	Opp	99					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 5	Opp	122					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 5	Opp	127					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 5	Opp	156					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 5	Opp	178					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 5	Opp	200					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 5	Opp	236					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	64					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	5	Opp	95					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	5	Opp	118					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	5	Opp	157					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	5	Opp	182					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	45					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	59					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	64					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	76					Included	Power	300	57
	CS8S-U6807-E1BX	5	Opp	95					Included	Power	300	57
	CS8S-U6809-E1BX	5	Opp	118					Included	Power	275	52
	CS8S-U6812-E1BX	5	Opp	157					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	196					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	4, 6	Opp	37		37		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	75		75		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 +20MK8817						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	46					Included	Lever	500	95
	828S-U6808-L1CX		Opp	73					Included	Lever	450	85
	828S-U6809-L1CX		Opp	89					Included	Lever	388	74
	828S-U6810-L1CX		Opp	97					Included	Lever	362	69
	828S-U6812-L1CX		Opp	111					Included	Lever	313	60
	828S-U6813-L1CX		Opp	129					Included	Lever	271	52
	828S-U6815-L1CX		Opp	141				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	173				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 – Refer to kit program on pages 27-29.
2 Vehicles with set-back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
3 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 RL Series with combined reduction gear box. ("03" Ratio).
5 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

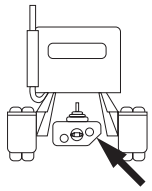
FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

RTAO-10710B-AC, RTAO-12710B-AC,
RTAO-14710B-AC, RTAO-16710B-AC,
RTAO-10710B-AS, RTAO-12710B-AS,
RTAO-14710B-AS, RTAO-16710B-AS
Footnotes (2, 3, & 8)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1854 FPM **RPM:** 944



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 6, 9	Opp	64					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 6, 9	Opp	83					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 6, 9	Opp	108					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 6, 9	Opp	128					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 6, 9	Opp	156					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 6, 9	Opp	163					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 6, 9	Opp	200					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 6, 9	Opp	228					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 6, 9	Opp	257					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 6, 9	Opp	304					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX		Opp	83					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	6	Opp	123					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	6	Opp	153					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	6	Opp	203					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	58					Included	Power	300	57
	CS6S-U6004-E1BX		Opp	76					Included	Power	300	57
	CS6S-U6005-E1BX		Opp	83					Included	Power	300	57
	CS6S-U6806-E1BX		Opp	98					Included	Power	300	57
	CS6S-U6807-E1BX	6	Opp	123					Included	Power	300	57
	CS6S-U6809-E1BX	6	Opp	153					Included	Power	275	52
	CS6S-U6812-E1BX	6	Opp	203					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	4, 7	Opp	47		47		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	7	Opp	96		96		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TU6855-1						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages
- **SHIFT OPTIONS** 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear #03T34284 – refer to kit program on pages 27-29.
2 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS Series pump to a TG6S-U68**-C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
3 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
4 RL Series with combined reduction gear box. ("03"Ratio).
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
6 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
7 Do not use for continuous duty applications.
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.
9 Some chassis may interfere with indicator switch on air shift PTOs. Order TG-RPS separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

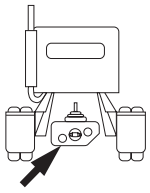
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

RTAO-10710B-AC, RTAO-12710B-AC, RTAO-14710B-AC, RTAO-16710B-AC, RTAO-10710B-AS, RTAO-12710B-AS, RTAO-14710B-AS, RTAO-16710B-AS
Footnotes (2 & 7)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1936 FPM **RPM:** 944



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 5	Opp	67					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 5	Opp	87					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 5	Opp	113					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 5	Opp	134					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 5	Opp	164					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 5	Opp	171					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 5	Opp	210					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 5	Opp	239					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 5	Opp	269					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 5	Opp	318					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	83					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	5	Opp	123					Included	Elec/Air	366	70
	SH6S-U6809-E1BX	5	Opp	153					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	5	Opp	212					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	5	Opp	246					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	61					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	80					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	87					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	103					Included	Power	300	57
	CS8S-U6807-E1BX	5	Opp	128					Included	Power	300	57
	CS8S-U6809-E1BX	5	Opp	160					Included	Power	275	52
	CS8S-U6812-E1BX	5	Opp	212					Included	Power	221	42
	CS8S-U6814-E1BX	5	Opp	265					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	4, 6	Opp	49		49		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	101		101		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	62					Included	Lever	500	95
	828S-U6808-L1CX		Opp	98					Included	Lever	450	85
	828S-U6809-L1CX		Opp	121					Included	Lever	388	74
	828S-U6810-L1CX		Opp	130					Included	Lever	362	69
	828S-U6812-L1CX		Opp	150					Included	Lever	313	60
	828S-U6813-L1CX		Opp	174					Included	Lever	271	52
	828S-U6815-L1CX		Opp	190				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	234				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

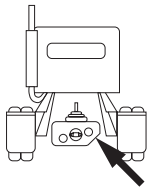
1 TG Series Input Gear #03T34284 – refer to kit program on pages 27-29.
2 Vehicles with setback front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
3 When using the 40TU6886-1 adapter to change rotation - change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (G6S, CS6S, SH6S, and RL6D respectively.) Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 RL Series with combined reduction gear box. ("03"Ratio).
5 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



RTAO-10710C-AC, RTAO-12710C-AC, RTAO-14710C-AC, RTAO-16710C-AC, RTAO-10710C-AS, RTAO-12710C-AS, RTAO-14710C-AS, RTAO-16710C-AS, RTLC-16609E, RTLC-16613E, RTOC-16909A, RTOC-16913A, RTLO-13118-AMT (12), RTLO-14713A-T2, RTOL-14718B-T2, RTLO-14918A-AS2, RTLO-14918B(T2)(AS), RTLO-16713A-T2, RTLO-16718B-T2, RTLO-16918A-AS2, RTLO-16918B(T2)(AS), RTLO-18718B-T2, RTOL-18913A-T2, RTLO-18918A-AS2, RTLO-18918B(T2)(AS), RTLO-20718B-T2, RTLO-20913A, RTLO-20918A-AS2, RTLO-20918B(T2)(AS), RTLO-22918B-AS, RTLO-13118-AMT (12)
(This application also applies to models AS2 or AS3 suffix) Footnotes (3, 4, 6, & 13)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1550 FPM **RPM:** 790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 8, 11	Opp	53					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 8, 11	Opp	70					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 8, 11	Opp	91					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 8, 11	Opp	107					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 8, 11	Opp	131					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 8, 11	Opp	137					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 8, 11	Opp	168					Included	Cable	207	39
	TG6D-S6813-C1BH	2, 8, 11	Opp	177				23M60200S	20MK6603	Cable	184	35
	TG6D-S6815-C1BH	2, 8, 11	Opp	198				23M60200S	20MK6603	Cable	155	29
SH SERIES	SH6S-U6005-E1BX		Opp	70					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	8	Opp	103					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	8	Opp	128					Included	Elec/Air	308	59
	SH6D-S6812-E1BX		Opp	156				23M60200S	20TK4433	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	49					Included	Power	300	57
	CS6S-U6004-E1BX		Opp	64					Included	Power	300	57
	CS6S-U6005-E1BX		Opp	70					Included	Power	300	57
	CS6S-U6806-E1BX		Opp	82					Included	Power	300	57
	CS6S-U6807-E1BX	8	Opp	103					Included	Power	300	57
	CS6S-U6809-E1BX	8	Opp	128					Included	Power	275	52
	CS6D-S6812-E1BX		Opp	156				23M60200S	20TK4433	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	5, 9	Opp	40		40		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	9	Opp	81		81		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		7	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, & 8)
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

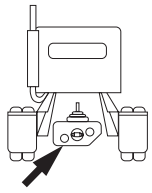
1 TG Series Input Gear: #03T34284 – refer to kit program on pages 27-29.
2 TG Series Input Gear: #03T94243.
3 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS Series pump to a TG6S-U**-C1SX for pumps up to the PKS1-15-2BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
5 RL Series with combined reduction gear box. ("03"Ratio).
6 18 ratio TG Series interferes with adjacent transmission gear.
7 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
8 U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
9 Do not use for continuous duty applications.
10 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.
11 Some chassis may interfere with indicator switch on air shift PTOs. Order TG-RPS separately.
12 The (AMT) is a combination CEEMAT automatic & 18 speed transmission. Refer to the Footnotes #1, 5, & 8 on FULL 36 for additional information when specifying PTOs on the right side opening.
13 AS2 or AS3 Auto Shift transmissions need to be connected to PTO through the TCM per Eaton instructions.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



RTAO-10710C-AC, RTAO-12710C-AC, RTAO-14710C-AC, RTAO-16710C-AC, RTAO-10710C-AS, RTAO-12710C-AS, RTAO-14710C-AS, RTAO-16710C-AS, RTLC-16609E, RTLC-16613E, RTOC-16909A, RTOC-16913A, RTLO-13118-AMT (12), RTLO-14713A-T2, RTOL-14718B-T2, RTLO-14918A-AS2, RTLO-14918B(T2)(AS), RTLO-16713A-T2, RTLO-16718B-T2, RTLO-16918A-AS2, RTLO-16918B(T2)(AS), RTLO-18718B-T2, RTOL-18913A-T2, RTLO-18918A-AS2, RTLO-18918B(T2)(AS), RTLO-20718B-T2, RTLO-20913A, RTLO-20918A-AS2, RTLO-20918B(T2)(AS), RTLO-22918B-AS, RTLO-13118-AMT (12)
(This application also applies to models AS2 or AS3 suffix) Footnotes (3, 6, 9, & 11)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1620 FPM **RPM:** 790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 7	Opp	56					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 7	Opp	73					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 7	Opp	95					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 7	Opp	112					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 7	Opp	137					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 7	Opp	143					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 7	Opp	176					Included	Cable	210	40
	TG8D-S6813-C1BH	2	Opp	184				23M80190	20MK8808	Cable	199	38
	TG8D-S6815-C1BH	2	Opp	207				23M80190	20MK8808	Cable	176	34
SH SERIES	SH8S-U6005-E1BX		Opp	73					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	7	Opp	107					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	7	Opp	134					Included	Elec/Air	295	56
	SH8D-S6812-E1BX		Opp	163				23M80190	20MK8808	Elec/Air	221	42
	SH8D-S6813-E1BX		Opp	190				23M80190	20MK8808	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	51					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	67					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	73					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	86					Included	Power	300	57
	CS8S-U6807-E1BX	7	Opp	107					Included	Power	300	57
	CS8S-U6809-E1BX	7	Opp	134					Included	Power	275	52
	CS8D-S6812-E1BX		Opp	163				23M80190	20MK8808	Power	221	42
1 FWD. 1 REV.	RL8S-U6803-L3BX	5, 8	Opp	41		41		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	8	Opp	84		84		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX	12	Opp	52					Included	Lever	500	95
	828S-U6808-L1CX	12	Opp	82					Included	Lever	450	85
	828S-U6809-L1CX	12	Opp	101					Included	Lever	388	74
	828S-U6810-L1CX	12	Opp	109					Included	Lever	362	69
	828S-U6812-L1CX	12	Opp	125					Included	Lever	313	60
	828S-U6813-L1CX	12	Opp	146					Included	Lever	271	52
	828S-U6815-L1CX	12	Opp	159				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX	12	Opp	195				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 –refer to kit program on pages 27-29.
2 TG Series Input Gear: #03T94243.
3 Vehicles with set-back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis.
4 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
5 RL Series with combined reduction gear box. ("03" Ratio).
6 18 Ratio TG and CS 14 ratio interfere with adjacent gear.
7 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
8 Do not use for continuous duty applications.
9 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.
10 The (AMT) is a combination CEEMAT automatic & 18 speed transmission. Refer to the Footnotes #1, 4, 6, 8, 10 & 11 on Appl. 36 bottom opening when specifying PTOs.
11 AS2 or AS3 Auto Shift transmissions need to be connected to PTO through the TCM per Eaton instructions.
12 Transmissions with clutch assist cylinders interfere with "3" arrangement PTO.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

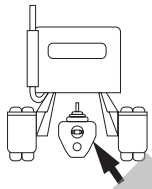
FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING

FSM-5005E, FSM-5305E

PTO DRIVE GEAR DATA:
33T 7.0P 25° PA 30.78° R.H.
LOCATION: Front **PLMF:** 1.031
PLV: 661 FPM **RPM:** 460



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7007-C1BX	1	Opp	46				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C1BX	1	Opp	56				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C1BX	1	Opp	58				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C1BH	1	Opp	71				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C1BH	1	Opp	81				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C1BH	1	Opp	92				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C1BH	1	Opp	109				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

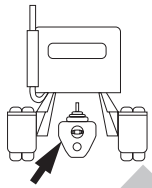
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FSM-5005E, FSM-5305E

PTO DRIVE GEAR DATA:
33T 7.0P 25° PA 30.78° R.H.
LOCATION: Front **PLMF:** 1.031
PLV: 661 FPM **RPM:** 460



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7007-C3BX *	1, 2	Opp	46				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C3BX *	1, 2	Opp	56				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C3BX *	1, 2	Opp	58				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C3BH *	1, 2	Opp	71				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C3BH *	1, 2	Opp	81				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C3BH *	1, 2	Opp	92				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C3BH *	1, 2	Opp	109				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.
2 Direct mount pump is limited to PK Series, single pump, due to transmission case interference.

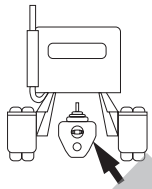
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING



FSM-5005G, FSM-5305G

PTO DRIVE GEAR DATA:
32T 6.10P 25° PA 30.4° R.H.
LOCATION: Front **PLMF:** 0.734
PLV: 774 FPM **RPM:** 486

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-T6106-C1BX	1	Opp	45				23M60350	20MK6605	Cable	245	47
	TG6S-T6107-C1BX	1	Opp	53				23M60350	20MK6605	Cable	230	44
	TG6S-T6108-C1BX	1	Opp	65				23M60350	20MK6605	Cable	230	44
	TG6S-T6109-C1BX	1	Opp	68				23M60350	20MK6605	Cable	205	39
	TG6S-T6112-C1BH	1	Opp	84				23M60350	20MK6605	Cable	210	40
	TG6S-T6113-C1BH	1	Opp	95				23M60350	20MK6605	Cable	210	40
	TG6S-T6115-C1BH	1	Opp	107				23M60350	20MK6605	Cable	195	37
	TG6S-T6118-C1BH	1	Opp	127				23M60350	20MK6605	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see page 6)
- ASSEMBLY ARRANGEMENT (see page 6)
- OUTPUT SHAFT (see page 6)
- SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T36552 — Refer to kit program on pages 227-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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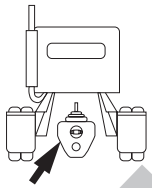
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FSM-5005G, FSM-5305G

PTO DRIVE GEAR DATA:
32T 6.10P 25° PA 30.4° R.H.
LOCATION: Front **PLMF:** 0.734
PLV: 774 FPM **RPM:** 486



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-T6106-C3BX	1, 2	Opp	45				23M60350	20MK6605	Cable	245	47
	TG6S-T6107-C3BX	1, 2	Opp	53				23M60350	20MK6605	Cable	230	44
	TG6S-T6108-C3BX	1, 2	Opp	65				23M60350	20MK6605	Cable	230	44
	TG6S-T6109-C3BX	1, 2	Opp	68				23M60350	20MK6605	Cable	205	39
	TG6S-T6112-C3BH	1, 2	Opp	84				23M60350	20MK6605	Cable	210	40
	TG6S-T6113-C3BH	1, 2	Opp	95				23M60350	20MK6605	Cable	210	40
	TG6S-T6115-C3BH	1, 2	Opp	107				23M60350	20MK6605	Cable	195	37
	TG6S-T6118-C3BH	1, 2	Opp	127				23M60350	20MK6605	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T36552 — Refer to kit program on pages 27-29.
2 Direct mount pump is limited to PK Series, single pump, due to transmission case interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

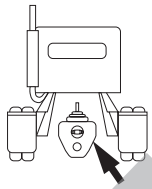
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FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
33T 7.00P 25° PA 30.78° R.H.
LOCATION: Front **PLMF:** 1.031
PLV: 780 FPM **RPM:** 543



FSM-5005H, FSM-5305H

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7004-C1BX	1	Opp	27				23M60093S	20MK6602	Cable	285	54
	TG6S-C7005-C1BX	1	Opp	35				23M60093S	20MK6602	Cable	270	51
	TG6S-C7006-C1BX	1	Opp	46				23M60093S	20MK6602	Cable	245	47
	TG6S-C7007-C1BX	1	Opp	54				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C1BX	1	Opp	66				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C1BX	1	Opp	69				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C1BH	1	Opp	84				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C1BH	1	Opp	96				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C1BH	1	Opp	108				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C1BH	1	Opp	128				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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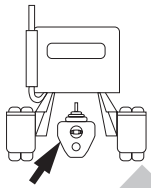
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FSM-5005H, FSM-5305H

PTO DRIVE GEAR DATA:
33T 7.00P 25° PA 30.78° R.H.
LOCATION: Front **PLMF:** 1.031
PLV: 780 FPM **RPM:** 543



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7004-C3BX	1, 2	Opp	27				23M60093S	20MK6602	Cable	285	54
	TG6S-C7005-C3BX	1, 2	Opp	35				23M60093S	20MK6602	Cable	270	51
	TG6S-C7006-C3BX	1, 2	Opp	46				23M60093S	20MK6602	Cable	245	47
	TG6S-C7007-C3BX	1, 2	Opp	54				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C3BX	1, 2	Opp	66				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C3BX	1, 2	Opp	69				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C3BH	1, 2	Opp	84				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C3BH	1, 2	Opp	96				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C3BH	1, 2	Opp	108				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C3BH		Opp	128				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.
2 Direct mount pump is limited to PK Series, single pump, due to transmission case interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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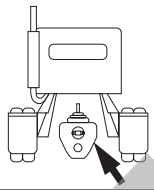
FULLER TRANSMISSION

RIGHT SIDE ONLY
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SAE 6-BOLT OPENING

FSM-5005J

PTO DRIVE GEAR DATA:
32T 7.0P 25° PA 30.8° R.H.
LOCATION: Front **PLMF:** 1.119
PLV: 757 FPM **RPM:** 543



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7007-C1BX	1	Opp	52				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C1BX	1	Opp	64				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C1BX	1	Opp	67				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C1BH	1	Opp	82				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C1BH	1	Opp	93				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C1BH	1	Opp	105				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C1BH	1	Opp	125				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

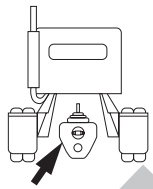
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FSM-5005J

PTO DRIVE GEAR DATA:
32T 7.0P 25° PA 30.8° R.H.
LOCATION: Front **PLMF:** 1.119
PLV: 757 FPM **RPM:** 543



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7007-C3BX	1, 2	Opp	52				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C3BX	1, 2	Opp	64				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C3BX	1, 2	Opp	67				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C3BH	1, 2	Opp	82				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C3BH	1, 2	Opp	93				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C3BH	1, 2	Opp	105				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C3BH	1, 2	Opp	125				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.
2 Direct mount pump is limited to PK Series, single pump, due to transmission case interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

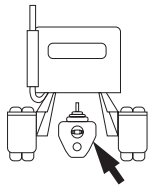
FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING

FSB-5305D

PTO DRIVE GEAR DATA:
31T 6.7P 25° PA 30.14° R.H.
LOCATION: Front **PLMF:** 1.105
PLV: 644 FPM **RPM:** 460



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTOS - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

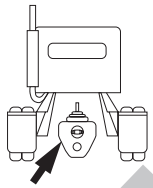
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FSB-5305D

PTO DRIVE GEAR DATA:
19T 6.1P 25° PA 18.68° L.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 374 FPM **RPM:** 435



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C6012-C4BH	1, 3	Crnk	41					Included	Cable	210	40
	TG6S-C6013-C4BH	1, 2, 3	Crnk	46					Included	Cable	210	40
	TG6S-C6015-C4BH	1, 2, 3	Crnk	52					Included	Cable	195	37
	TG6S-C6018-C4BH	1, 2, 3	Crnk	62					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34452 — Refer to kit program on pages 27-29.
2 13, 15, 18 Ratio TG Series interferes with internal casting within this opening. Use R.S. opening if possible.
3 Direct mount pump is limited to PK Series, single pump, due to transmission case interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

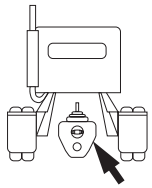
OBSOLETE

FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
48T 7.0P 23° PA 26° R.H.
LOCATION: Front **PLMF:** .502
PLV: 1338 FPM **RPM:** 670



FO-6406A-ASW, FO-6406A-ASX, FO-8406A-ASW, FO-8406A-ASX, FSBO-6406B, FSBO-8406B, FSO-6406A, FSO-8406A, FO-6406A-AW3, FO-8406A-AW3, FO-5406B-DM3, FO-6406B-DM3, FO-8406B-DM3, EH8-E306A-CD, EH8-E306A-U, EH8-E306A-UP, F5405B-DM3, F5505B-DM3, FO5506B-DM3, F6405B-DM3, F6505B-DM3, FO6506B-DM3
Footnotes (2, 3, 4, & 5)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F7005-C1BX	1	Opp	58				23M60550+23M60032S	20MK6607	Cable	270	51
	TG6S-F7006-C1BX	1	Opp	75				23M60550+23M60032S	20MK6607	Cable	245	47
	TG6S-F7007-C1BX	1	Opp	89				23M60550+23M60032S	20MK6607	Cable	230	44
	TG6S-F7008-C1BX	1	Opp	109				23M60550+23M60032S	20MK6607	Cable	230	44
	TG6S-F7009-C1BX	1	Opp	114				23M60550+23M60032S	20MK6607	Cable	205	39
	TG6S-F7012-C1BH	1	Opp	140				23M60550+23M60032S	20MK6607	Cable	210	40
	TG6S-F7013-C1BH	1	Opp	165				23M60550+23M60032S	20MK6607	Cable	210	40
SH SERIES	SH6S-F7005-E1BX	2	Opp	59				23M60550+23M60032S	20TK4435	Elec/Air	400	76
	SH6S-F7007-E1BX	2	Opp	86				23M60550+23M60032S	20TK4435	Elec/Air	390	74
	SH6S-F7009-E1BX	2	Opp	108				23M60550+23M60032S	20TK4435	Elec/Air	315	60
CLUTCH SHIFT	CS6S-F7005-E1BX	2	Opp	59				23M60550+23M60032S	20TK4435	Power	300	57
	CS6S-F7007-E1BX	2	Opp	86				23M60550+23M60032S	20TK4435	Power	275	52
	CS6S-F7009-E1BX	2	Opp	108				23M60550+23M60032S	20TK4435	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		6	40TF7068 Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T37657 — Refer to kit program on pages 27-29.
2 Ultra Shift (ASW & AW3) only. SH series or CS series requires shaft high (3 arrangement) to clear oil sump at front of transmission.
3 Ultra Shift AW3 and DM3 requires PTO connection to TCM per Eaton requirements. DM3 models require engine speed above 1,200 RPM for PTO operation.
4 Hybrid transmission (EH8-E306A) must interface with PTO and TCM. Only 1 side opening is usable. Speed sensor located here can be moved to the other side.
5 Standard model FSO6406A & FSO846A will not have rear opening in 2009 & later models. The opening is available on automated and hybrid models until 2016.
6 Adapter includes 23M62000 & 23M60140S spacers and 20TK4866 mounting kit for adapter. The PTO should be specified with “S” mounting as the PTO spacers and stud kit shown are not used with the adapter.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

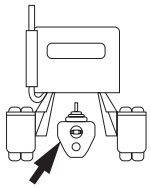
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

FO-6406A-ASW, FO-6406A-ASX, FO-8406A-ASW, FO-8406A-ASX, FSBO-6406B, FSBO-8406B, FSO-6406A, FSO-8406A, FO-6406A-AW3, FO-8406A-AW3, FO-5406B-DM3, FO-6406B-DM3, FO-8406B-DM3, EH8-E306A-CD, EH8-E306A-U, EH8-E306A-UP
Footnotes (2, 3, 4, & 5)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
48T 7.0P 23° PA 26° R.H.
LOCATION: Front **PLMF:** .502
PLV: 1338 FPM **RPM:** 670



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F7005-C3BX	1, 6	Opp	58				23M60550+23M60032S	20MK6607	Cable	270	51
	TG6S-F7006-C3BX	1, 6	Opp	75				23M60550+23M60032S	20MK6607	Cable	245	47
	TG6S-F7007-C3BX	1, 6	Opp	89				23M60550+23M60032S	20MK6607	Cable	230	44
	TG6S-F7008-C3BX	1, 6	Opp	109				23M60550+23M60032S	20MK6607	Cable	230	44
	TG6S-F7009-C3BX	1, 6	Opp	114				23M60550+23M60032S	20MK6607	Cable	205	39
	TG6S-F7012-C3BH	1, 6	Opp	140				23M60550+23M60032S	20MK6607	Cable	210	40
	TG6S-F7013-C3BH	1, 6	Opp	165				23M60550+23M60032S	20MK6607	Cable	210	40
SH SERIES	SH6S-F7005-E3BX		Opp	59				23M60550+23M60032S	20TK4435	Elec/Air	400	76
	SH6S-F7007-E3BX		Opp	86				23M60550+23M60032S	20TK4435	Elec/Air	390	74
	SH6S-F7009-E3BX		Opp	108				23M60550+23M60032S	20TK4435	Elec/Air	315	60
CLUTCH SHIFT	CS6S-F7005-E3BX		Opp	59				23M60550+23M60032S	20TK4435	Power	300	57
	CS6S-F7007-E3BX		Opp	86				23M60550+23M60032S	20TK4435	Power	275	52
	CS6S-F7009-E3BX		Opp	108				23M60550+23M60032S	20TK4435	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		7	40TF7068 Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T37657 — Refer to kit program on pages 27-29.
2 Transmission brake located on this opening prohibits use. Use right side only. On ASW, AW3, and DM3 models, moving the brake requires additional components from Eaton.
3 Direct mount pump is limited to PK Series, single pump, due to transmission case interference.
4 Ultra Shift AW3 and DM3 requires PTO connection to TCM per Eaton requirements. DM3 models require engine speed above 1,200 RPM for PTO operation.
5 Hybrid transmission (EH8-E306A) must interface with PTO and TCM. Only 1 opening is usable.
6 Use air shift with "7" feature for clearance to indicator switch.
7 Adapter includes 23M62000 & 23M60140S spacers and 20TK4866 mounting kit for adapter. The PTO should be specified with "S" mounting as the PTO spacers and stud kit shown are not used with the adapter.

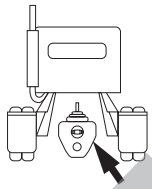
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
51T 8.38P 18PA 33.1° R.H.
LOCATION: Front **PLMF:** 1.084
PLV: 1192 FPM **RPM:** 627



FRLO-14410C-T2, FRLO-15410C-T2, FRLO-16410C-T2, FRLO-18410C-T 2(LIGHTNING)

Footnotes (2 & 7)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6F-F8405-C1BX	1, 3	Opp	54					Included	Cable	270	51
	TG6F-F8406-C1BX	1, 3	Opp	70					Included	Cable	245	47
	TG6F-F8407-C1BX	1, 3	Opp	82					Included	Cable	230	44
	TG6F-F8408-C1BX	1, 3	Opp	101					Included	Cable	230	44
	TG6F-F8409-C1BX	1, 3	Opp	105					Included	Cable	205	39
	TG6F-F8412-C1BH	1, 3	Opp	129					Included	Cable	210	40
	TG6F-F8413-C1BH	1, 3, 6	Opp	147					Included	Cable	206	39
	TG6F-F8415-C1BH	1, 3, 6	Opp	166					Included	Cable	190	36
	TG6F-F8418-C1BH	1, 3, 6	Opp	196					Included	Cable	160	30
SH SERIES	SH6F-F8405-E1BX	4, 5	Opp	54					Included	Elec/Air	400	76
	SH6F-F8407-E1BX	4, 5, 6	Opp	80					Included	Elec/Air	390	74
	SH6F-F8409-E1BX	4, 5, 6	Opp	99					Included	Elec/Air	315	60
	SH6F-F8412-E1BX	4, 5, 6	Opp	131					Included	Elec/Air	238	45
CLUTCH SHIFT	CS6F-F8405-E1BX	5	Opp	54					Included	Power	300	57
	CS6F-F8407-E1BX	5	Opp	80					Included	Power	275	52
	CS6F-F8409-E1BX	5	Opp	99					Included	Power	275	52
	CS6F-F8412-E1BX	5	Opp	131					Included	Power	238	45
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		8	40TF8430-1 Change PTO input to F86						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see pages 6, 7, & 8)
- ASSEMBLY ARRANGEMENT (see pages 6, 7, & 8)
- OUTPUT SHAFT (see pages 6, 7, & 8)
- SPECIAL OPTIONS (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T37740 — Refer to kit program on pages 27-29.
2 PTO requires two alignment dowel pins and metric stud kit, included.
3 Anaerobic sealant required to mount TG PTO to case. Supplied (13T38145 tube). No shim adjustment or gaskets are required.
4 SH Series PTOs REQUIRE that the Vehicle Clutch be fully depressed during engagement and disengagement of PTO.
5 Anaerobic sealant required to mount CS or SH Series PTO to case. Supplied (13M51717 tube). No shim adjustment or gaskets are required.
6 PTO ratings are derated due to transmission gear specifications.
7 Possible Interference with spring hanger on vehicles with set back front axles on Kenworth and Mack chassis.
8 When using adapter 40TF8430-1, change input gear to F86 designator. TG input gear 03T39458. Check for availability of CS/SH Series input gear before specifying this option. PTO mounts to adapter with 20TK4049A metric stud kit provided with PTO. The CS and SH only available with F8607 ratio for adapter.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

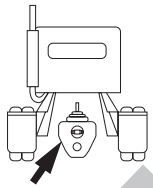
OBSOLETE

FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
51T 8.38P 18PA 33.1° R.H.
LOCATION: Front **PLMF:** 1.084
PLV: 1192 FPM **RPM:** 627



FRLO-14410C-T2, FRLO-15410C-T2, FRLO-16410C-T2, FRLO-18410C-T2 (LIGHTNING)

Footnotes (2 & 7)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6F-F8405-C3BX	1, 3	Opp	54					Included	Cable	270	51
	TG6F-F8406-C3BX	1, 3	Opp	70					Included	Cable	245	47
	TG6F-F8407-C3BX	1, 3	Opp	82					Included	Cable	230	44
	TG6F-F8408-C3BX	1, 3	Opp	101					Included	Cable	230	44
	TG6F-F8409-C3BX	1, 3	Opp	105					Included	Cable	205	39
	TG6F-F8412-C3BH	1, 3	Opp	129					Included	Cable	210	40
	TG6F-F8413-C3BH	1, 3, 6	Opp	147					Included	Cable	206	39
	TG6F-F8415-C3BH	1, 3, 6	Opp	166					Included	Cable	190	36
	TG6F-F8418-C3BH	1, 3, 6	Opp	196					Included	Cable	160	30
SH SERIES	SH6F-F8405-E3BX	4, 5	Opp	54					Included	Elec/Air	400	76
	SH6F-F8407-E3BX	4, 5, 6	Opp	80					Included	Elec/Air	390	74
	SH6F-F8409-E3BX	4, 5, 6	Opp	99					Included	Elec/Air	315	60
	SH6F-F8412-E3BX	4, 5, 6	Opp	131					Included	Elec/Air	238	45
CLUTCH SHIFT	CS6F-F8405-E3BX	5	Opp	54					Included	Power	300	57
	CS6F-F8407-E3BX	5	Opp	80					Included	Power	275	52
	CS6F-F8409-E3BX	5	Opp	99					Included	Power	275	52
	CS6F-F8412-E3BX	5	Opp	131					Included	Power	238	45
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		8	40TF8430-2 Change PTO input to F86						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T37740 — Refer to kit program on pages 27-29.
2 PTO requires two alignment dowel pins and metric stud kit, included.
3 Anaerobic sealant required to mount TG PTO to case. Supplied (13T38145 tube). No shim adjustment or gaskets are required.
4 SH Series PTOs REQUIRE that the Vehicle Clutch be fully depressed during engagement and disengagement of PTO.
5 Anaerobic sealant required to mount CS or SH Series PTO to case. Supplied (13M51717 tube). No shim adjustment or gaskets are required.
6 PTO ratings are derated due to transmission gear specifications.
7 Possible Interference with spring hanger on vehicles with set back front axles on Kenworth and Mack chassis.
8 When using adapter 40TF8430-2, change input gear to F86 designator. TG input gear 03T39458. Check for availability of CS/SH Series input gear before specifying this option. PTO mounts to adapter with 20TK4049A metric stud kit provided with PTO.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

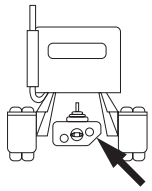
FULLER TRANSMISSION

RIGHT REAR ONLY
(LEFT REAR TURN PAGE)

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: None **PLMF:**
PLV: **RPM:** 627



LIGHTNING
FRLO-14410C-T2, FRLO-15410C-T2,
FRLO-16410C-T2, FRLO-18410C-T2
(COUNTERSHAFT PTO)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

COUNTER SHAFT PTOS ARE NOT LONGER AVAILABLE FOR THIS TRANSMISSION

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

FULLER TRANSMISSION

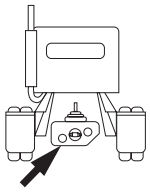
LEFT REAR ONLY
(RIGHT REAR TURN PAGE)

LIGHTNING
FRLO-14410C-T2, FRLO-15410C-T2,
FRLO-16410C-T2, FRLO-18410C-T2
(OPENING NOT AVAILABLE WITH RETARDER)
(COUNTERSHAFT PTO)

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: None **PLMF:**
PLV: **RPM:** 627



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

COUNTER SHAFT PTOS ARE NOT LONGER AVAILABLE FOR THIS TRANSMISSION

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

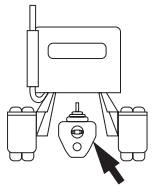
FOOTNOTES:

FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
39T 6.65P 20° PA 21.5° RH
LOCATION: Front **PLMF:** .987
PLV: 875 FPM **RPM:** 530



FS-5406N, FS-6406N, F-6406N-ASW³, F-8406N-ASW³

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6606-C1BX	1	Opp	53					Included	Cable	245	47
	TG6S-F6607-C1BX	1	Opp	62					Included	Cable	230	44
	TG6S-F6608-C1BX	1	Opp	76					Included	Cable	230	44
	TG6S-F6609-C1BX	1	Opp	79					Included	Cable	205	39
	TG6S-F6612-C1BH	1	Opp	97					Included	Cable	210	40
	TG6S-F6613-C1BH	1	Opp	111					Included	Cable	210	40
	TG6S-F6615-C1BH	1	Opp	125					Included	Cable	195	37
	TG6S-F6618-C1BH	1	Opp	148					Included	Cable	175	33
SH SERIES	SH6S-F6607-E1BX		Opp	60					Included	Elec/Air	400	76
	SH6S-F6609-E1BX		Opp	75					Included	Elec/Air	375	71
	SH6S-F6612-E1BX		Opp	99					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-F6607-E1BX		Opp	60					Included	Power	300	57
	CS6S-F6609-E1BX		Opp	75					Included	Power	275	52
	CS6S-F6612-E1BX		Opp	99					Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Crnk	45		45	40TF6668	23M60200S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TF6668 Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T38140 — Refer to kit program on pages 27-29.
2 Stud kit 20MK6616, spacer 23M61500, and spacer 23M60140S included with adapter. Change PTO to U68 gear. Multiply speeds shown by 1.04.
3 Ultra Shift (ASW) PTO must be connected to TCM.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

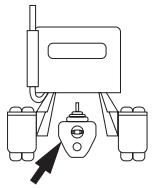
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

FS-5406N, FS-6406N,
F-6406N-ASW[2], F-8406N-ASW[2]
Footnote (3)

PTO DRIVE GEAR DATA:
39T 6.65P 20° PA 21.5° RH
LOCATION: Front **PLMF:** .987
PLV: 875 FPM **RPM:** 530



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-F6604-C3BX	1	Opp	31					Included	Cable	285	54
	TG6S-F6605-C3BX	1	Opp	40					Included	Cable	270	51
	TG6S-F6606-C3BX	1	Opp	53					Included	Cable	245	47
	TG6S-F6607-C3BX	1	Opp	62					Included	Cable	230	44
	TG6S-F6608-C3BX	1	Opp	76					Included	Cable	230	44
	TG6S-F6609-C3BX	1	Opp	79					Included	Cable	205	39
	TG6S-F6612-C3BH	1	Opp	97					Included	Cable	210	40
	TG6S-F6613-C3BH	1	Opp	111					Included	Cable	210	40
	TG6S-F6615-C3BH	1	Opp	125					Included	Cable	195	37
	TG6S-F6618-C3BH	1	Opp	148					Included	Cable	175	33
SH SERIES	SH6S-F6607-E3BX		Opp	60					Included	Elec/Air	400	76
	SH6S-F6609-E3BX		Opp	75					Included	Elec/Air	375	71
	SH6S-F6612-E3BX		Opp	99					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-F6607-E3BX		Opp	60					Included	Power	300	57
	CS6S-F6609-E3BX		Opp	75					Included	Power	275	52
	CS6S-F6612-E3BX		Opp	99					Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	5	Crnk	45		45	40TF6668	23M60200S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TF6668 Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, & 8)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T38140 — Refer to kit program on pages 27-29.
2 Left Side opening not useable on ASX or ASW options only, due to use of countershaft brake located on this opening.
3 Direct mount pumps are limited to the maximum of a PK Series hydraulic pump. “1” arrangement, shaft high, is recommended for clearance unless adapter is used.
4 Stud kit 20MK6616, spacer 23M61500, and spacer 23M60140S included with adapter. Change PTO to U68 gear. Multiply speeds shown by 1.04.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

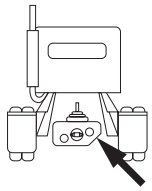
FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

RTO-10910B-DM2, RTO-12910B-DM2, RTO-14910B-DM2, RTO-16910B-DM2 RTO-10910B-DM3, RTO-12910B-DM3 RTO-14910B-DM3, RTOM-16910B-DM3, ULTRA SHIFT AUTOMATED MANUAL, FO-E308LL-VCS**
Footnotes (4, 7, & 8)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1854 FPM **RPM:** 944



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 2, 5	Opp	64					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 2, 5	Opp	83					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2, 5	Opp	108					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2, 5	Opp	128					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2, 5	Opp	156					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2, 5	Opp	163					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2, 5	Opp	200					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2, 5	Opp	228					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 2, 5	Opp	257					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 2, 5	Opp	304					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX	1	Opp	83					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	1, 5	Opp	123					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	1, 5	Opp	153					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	1, 5	Opp	203					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX	1	Opp	58					Included	Power	300	57
	CS6S-U6004-E1BX	1	Opp	76					Included	Power	300	57
	CS6S-U6005-E1BX	1	Opp	83					Included	Power	300	57
	CS6S-U6806-E1BX	1, 5	Opp	98					Included	Power	300	57
	CS6S-U6807-E1BX	1, 5	Opp	123					Included	Power	300	57
	CS6S-U6809-E1BX	1, 5	Opp	153					Included	Power	275	52
	CS6S-U6812-E1BX	1, 5	Opp	203					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	3, 6	Opp	47		47		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	6	Opp	96		96		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	See Footnote below						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount pumps will not clear bulge on right side unless adapter is used. There is pump clearance for direct mounting the PKS Series pump to a TG6S-U68**-C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.

2 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.

3 RL Series with combined reduction gear box. ("03" Ratio)

4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements. Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.

5 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for CS or SH).

6 Do not use for continuous duty applications.

7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.

8 PTO must be wired through the transmission controller as described by Eaton in their application manual. Engine throttle must be advanced to 1,000 RPM for PTO Operation. PTO will not activate below this speed. Transmission is equipped with an Inertia Brake which must be installed on the 8-Bolt opening if using this opening.

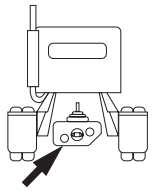
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .81
PLV: 1936 FPM **RPM:** 944



RTO-10910B-DM2, RTO-12910B-DM2, RTO-14910B-DM2, RTO-16910B-DM2 RTO-10910B-DMG, RTO-12910B-DMG RTO-14910B-DMG, RTO-16910B-DMG,RTOM-16910B-DM3, ULTRA SHIFT AUTOMATED MANUAL, FO-E308LL-VCS**
Footnotes (3, 7, 8, & 9)**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 3, 5	Opp	67					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 3, 5	Opp	87					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 3, 5	Opp	113					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 3, 5	Opp	134					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 3, 5	Opp	164					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 3, 5	Opp	171					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 3, 5	Opp	210					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 3, 5	Opp	239					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 3, 5	Opp	269					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 3, 5	Opp	318					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX	3	Opp	87					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	3, 5	Opp	128					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	3, 5	Opp	160					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	3, 5	Opp	212					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	3, 5	Opp	246					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX	3	Opp	61					Included	Power	300	57
	CS8S-U6004-E1BX	3	Opp	80					Included	Power	300	57
	CS8S-U6005-E1BX	3	Opp	87					Included	Power	300	57
	CS8S-U6806-E1BX	3	Opp	103					Included	Power	300	57
	CS8S-U6807-E1BX	3, 5	Opp	128					Included	Power	300	57
	CS8S-U6809-E1BX	3, 5	Opp	160					Included	Power	275	52
	CS8S-U6812-E1BX	3, 5	Opp	212					Included	Power	221	42
	CS8S-U6814-E1BX	3	Opp	265					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 6	Opp	49		49		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	101		101		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX	3	Opp	62					Included	Lever	500	95
	828S-U6808-L1CX	3	Opp	98					Included	Lever	450	85
	828S-U6809-L1CX	3	Opp	121					Included	Lever	388	74
	828S-U6810-L1CX	3	Opp	130					Included	Lever	362	69
	828S-U6812-L1CX	3	Opp	150					Included	Lever	313	60
	828S-U6813-L1CX	3	Opp	174					Included	Lever	271	52
	828S-U6815-L1CX	3	Opp	190				23M80062+23M80062	Included	Lever	248	47
	828S-U6819-L1CX	3	Opp	234				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

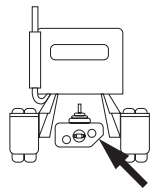
FOOTNOTES:

1. TG Series Input Gear #03T34284 – refer to kit program on pages 27-29.
2. RL Series with combined reduction gear box. (03 ratio)
3. Vehicles with setback front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
4. When using the 40TU6886-1 adapter to change rotation - change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively.) Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
5. Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6. Do not use for continuous duty applications.
7. PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.
8. PTO must be wired through the transmission controller as described by Eaton in their application manual. Engine throttle must be advanced to 1,000 RPM for operation. PTO will not activate below this speed.
9. Eaton inertia brake is mounted to this opening. Use 40TF6855-1 adapter to move brake to right side opening.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



FAO(F)-810C, FAOM-**810S-(EA3, EC3, EN3, OR EP3), FAOM(F)- 15810C, FAOM(F)-16810C, FO-**E310C-LAS, FOM-**E310C-LAS, FO-**E310C-VAS, FOM-**E310C-VAS, FO-16D313E-LEP, FOM-16D313E-LEP, RTLO-16913L-DM3, RTLOM-16913L-DM3, FO-**E309ALL-VMS, FO-**E313A-MHP, FO-**E318B-MXP, FO-**E318B-VXP**
Footnotes (3, 4, 6, 12, 13, & 14)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1854 FPM **RPM:** 790

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 8, 11	Opp	53					Included	Wire	285	54
	TG6S-U6805-C1BX	1, 8, 11	Opp	70					Included	Wire	270	51
	TG6S-U6806-C1BX	1, 8, 11	Opp	90					Included	Wire	245	47
	TG6S-U6807-C1BX	1, 8, 11	Opp	107					Included	Wire	230	44
	TG6S-U6808-C1BX	1, 8, 11	Opp	131					Included	Wire	230	44
	TG6S-U6809-C1BX	1, 8, 11	Opp	136					Included	Wire	205	39
	TG6S-U6812-C1BH	1, 8, 11	Opp	167					Included	Wire	210	40
	TG6D-S6813-C1BH	2, 8, 11	Opp	177				23M60200S	20MK6603	Wire	210	40
	TG6D-S6815-C1BH	2, 8, 11	Opp	198				23M60200S	20MK6603	Wire	195	37
SH SERIES	SH6S-U6005-E1BX		Opp	70					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	8	Opp	104					Included	Elec/Air	400	76
	SH6S-U6809-E1BX	8	Opp	129					Included	Elec/Air	375	71
	SH6D-S6812-E1BX		Opp	156				23M60200S	20TK4433	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	49					Included	Power	300	57
	CS6S-U6004-E1BX		Opp	65					Included	Power	300	57
	CS6S-U6005-E1BX		Opp	70					Included	Power	300	57
	CS6S-U6806-E1BX		OPP	82					Included	Power	300	57
	CS6S-U6807-E1BX	8	Opp	104					Included	Power	300	57
	CS6S-U6809-E1BX	8	Opp	129					Included	Power	275	52
	CS6D-S6812-E1BX		Opp	156				23M60200S	20TK4433	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L1BX	5, 9	Opp	39		39		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L1BX	9	Opp	81		81		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		7	See Footnote							**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**		

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 – refer to kit program on pages 27-29.
2 TG Series Input Gear: #03T94243.
3 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS Series pump to a TG6S-U**-C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
5 RL Series with combined reduction gear box. ("03"Ratio).
6 18 ratio TG Series interferes with adjacent transmission gear.
7 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
8 U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
9 Do not use for continuous duty applications.
10 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8, of the General Information section.
11 Some chassis may interfere with indicator switch on air shift PTOs. TG-RPS-A separately.
12 PTO must be wired through the transmission controller as described by Eaton in their application manual TRIG2600. DM3 type transmission must operate at engine speed above 1,000 RPM. Other models do not have this requirement.
13 VMS, MHP, MXP, VXP, LAS, VAS version transmissions have an internal inertia brake and this does not obstruct this PTO opening. These models do not have the 1,000 RPM restriction.
14 ** Refers to transmission torque rating code, 10, 14, 15, 16, 18, 20, 22. Does not change PTO application.

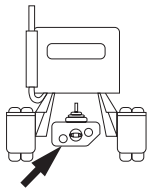
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1620 FPM **RPM:** 790



FAO(F)-810C, FAOM-**810S-(EA3, EC3, EN3, OR EP3), FAOM(F)- 15810C, FAOM(F)-16810C, FO-**E310C-LAS, FOM-**E310C-LAS, FO-**E310C-VAS, FOM-**E310C-VAS, FO-16D313E-LEP, FOM-16D313E-LEP, RTLO-16913L-DM3, RTLOM-16913L-DM3, FO-**E309ALL-VMS, FO-**E313A-MHP, FO-**E318B-MXP, FO-**E318B-VXP**
Footnotes (3, 6, 9, 10, 11, & 12)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 7	Opp	56					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 7	Opp	73					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 7	Opp	95					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 7	Opp	112					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 7	Opp	137					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 7	Opp	143					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 7	Opp	176					Included	Cable	210	40
	TG8D-S6813-C1BH	2	Opp	184				23M80190	20MK8808	Cable	199	38
	TG8D-S6815-C1BH	2	Opp	207				23M80190	20MK8808	Cable	176	34
SH SERIES	SH8S-U6005-E1BX		Opp	73					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	7	Opp	107					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	7	Opp	134					Included	Elec/Air	295	56
	SH8D-S6812-E1BX		Opp	163				23M80190	20MK8808	Elec/Air	221	42
	SH8D-S6813-E1BX		Opp	190				23M80190	20MK8808	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	52					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	67					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	73					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	86					Included	Power	300	57
	CS8S-U6807-E1BX	7	Opp	107					Included	Power	300	57
	CS8S-U6809-E1BX	7	Opp	134					Included	Power	275	52
	CS8D-S6812-E1BX		Opp	163				23M80190	20MK8808	Power	221	42
1 FWD. 1 REV.	RL8S-U6803-L3BX	5, 8	Opp	41		41		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	8	Opp	84		84		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	52					Included	Lever	500	95
	828S-U6808-L1CX		Opp	82					Included	Lever	450	85
	828S-U6809-L1CX		Opp	101					Included	Lever	388	74
	828S-U6810-L1CX		Opp	109					Included	Lever	362	69
	828S-U6812-L1CX		Opp	125					Included	Lever	313	60
	828S-U6813-L1CX		Opp	146					Included	Lever	271	52
	828S-U6815-L1CX		Opp	159				23M80062+23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	195				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see pages 6, 7, 8, & 11)
ASSEMBLY ARRANGEMENT (see pages 6, 7, 8, & 11)
OUTPUT SHAFT (see pages 6, 7, 8, & 11)
SPECIAL OPTIONS (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 – refer to kit program on pages 27-29.
2 TG Series Input Gear: #03T94243 – refer to kit program on pages 27-29.
3 Vehicles with set back front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
4 When using the 40TU6886-1 adapter to change rotation—Change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
5 RL Series with combined reduction gear box.
6 18 Ratio TG interferes with adjacent gear.
7 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
8 Do not use for continuous duty applications.
9 PTO rating shown is maximum calculated PTO rating which will not exceed the 500 lb. ft rating set by Eaton for their transmissions with roller input bearings. Refer to Eaton bulletin TMIB-127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.
10 On RTLO-16913L-DM3, RTLOM-16913L-DM3, FO-16D313E-LEP, and FOM-16D313E-LEP there is an inertia brake mounted to this location and PTOs inertia brake cannot be moved use right side opening. VMS, MHP, MXP, VXP, LAS, and VAS version transmissions have an internal inertia brake and this does not obstruct this PTO opening.
11 PTO must be wired through the TCM as described by Eaton in their PTO manual TRIG-2600. DM3 type transmissions must operate at engine speed above 1,000 RPM. Only the DM3 type transmissions must operate at engine speed above 1,000 RPM.
12 ** refers to transmission torque rating code, 10, 14, 15, 16, 18, 20, and 22. Does not change PTO application.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

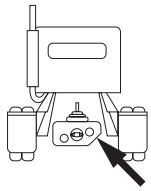
CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1370 FPM **RPM:** 700



FM–**D310B-LAS (LST)
FO–**E310B-LAS (LST)
FAM-14810B, FAM-15810B
Footnotes (2, 3, 8, & 9)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 4, 6	Opp	47					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 4, 6	Opp	62					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 4, 6	Opp	80					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 4, 6	Opp	95					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 4, 6	Opp	116					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 4, 6	Opp	121					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 4, 6	Opp	150					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 4, 6	Opp	169					Included	Cable	207	39
	TG6S-U6815-C1BH	1, 4, 6	Opp	191					Included	Cable	184	35
	TG6S-U6818-C1BH	1, 4, 6	Opp	227					Included	Cable	155	29
SH SERIES	SH6S-U6005-E1BX		Opp	62					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	6	Opp	91					Included	Elec/Air	383	73
	SH6S-U6809-E1BX	6	Opp	113					Included	Elec/Air	308	59
	SH6S-U6812-E1BX	6	Opp	150					Included	Elec/Air	231	44
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	45					Included	Power	300	57
	CS6S-U6004-E1BX		Opp	57					Included	Power	300	57
	CS6S-U6005-E1BX		Opp	62					Included	Power	300	57
	CS6S-U6806-E1BX		Opp	73					Included	Power	300	57
	CS6S-U6807-E1BX	6	Opp	91					Included	Power	300	57
	CS6S-U6809-E1BX	6	Opp	113					Included	Power	275	52
	CS6S-U6812-E1BX	6	Opp	150					Included	Power	231	44
1 FWD. 1 REV.	RL6D-U6803-L3BX	5, 7	Opp	35		35		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	7	Opp	72		72		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Direct mount pumps will not clear bulge on right side unless adapter is used. There is pump clearance for direct mounting the PKS Series pump to a TG6S-U68**-C1SX for pumps up to the PKS1-15-02BPBB. The 17 GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.
3 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements. Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.
4 Some chassis may interfere with indicator switch on airshift PTO. Order TG-RPS-A to change to a pressure switch and remove ball switch. Sold separately.
5 RL Series with combined reduction gear box. ("03" Ratio)
6 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for CS or SH).
7 Do not use for continuous duty applications.
8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, & 8 of the General Information section.
9 PTO must be wired through the transmission controller as described by Eaton in their application manual.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

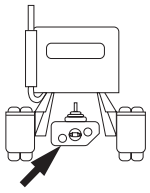
FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

FM–**D310B-LAS (LST)
FO–**E310B-LAS (LST)
FAM-14810B, FAM-15810B
Footnotes (3, 5, & 7)

PTO DRIVE GEAR DATA:
47T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1435 FPM **RPM:** 700



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 5	Opp	49					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 5	Opp	64					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 5	Opp	84					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 5	Opp	99					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 5	Opp	122					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 5	Opp	127					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 5	Opp	156					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 5	Opp	178					Included	Cable	199	38
	TG8S-U6815-C1BH	1, 5	Opp	200					Included	Cable	176	34
	TG8S-U6818-C1BH	1, 5	Opp	236					Included	Cable	148	28
SH SERIES	SH8S-U6005-E1BX		Opp	64					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	5	Opp	95					Included	Elec/Air	366	70
	SH8S-U6809-E1BX	5	Opp	118					Included	Elec/Air	295	56
	SH8S-U6812-E1BX	5	Opp	157					Included	Elec/Air	221	42
	SH8S-U6813-E1BX	5	Opp	182					Included	Elec/Air	200	38
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	45					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	59					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	64					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	76					Included	Power	300	57
	CS8S-U6807-E1BX	5	Opp	95					Included	Power	300	57
	CS8S-U6809-E1BX	5	Opp	118					Included	Power	275	52
	CS8S-U6812-E1BX	5	Opp	157					Included	Power	221	42
	CS8S-U6814-E1BX		Opp	196					Included	Power	178	34
1 FWD. 1 REV.	RL8S-U6803-L3BX	4, 6	Opp	37		37		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	75		75		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	46					Included	Lever	500	95
	828S-U6808-L1CX		Opp	73					Included	Lever	450	85
	828S-U6809-L1CX		Opp	89					Included	Lever	388	74
	828S-U6810-L1CX		Opp	97					Included	Lever	362	69
	828S-U6812-L1CX		Opp	111					Included	Lever	313	60
	828S-U6813-L1CX		Opp	129					Included	Lever	271	52
	828S-U6815-L1CX		Opp	141				(2) 23M80062	Included	Lever	248	47
	828S-U6819-L1CX		Opp	173				23M80248	20MK8817	Lever	202	38
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear #03T34284 – refer to kit program on pages 27-29.
2 Vehicles with setback front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO.
3 When using the 40TU6886-1 adapter to change rotation - change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively.) Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 RL Series with combined reduction gear box. (03 ratio).
5 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.
7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on pages 6, 7, 8, & 11 of the General Information section.
8 PTO must be wired through the transmission controller as described by Eaton in their application manual.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

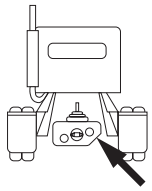
FULLER TRANSMISSION

RIGHT OPENING ONLY
(BOTTOM OPENING TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



FTS-16108LL, FTS-18109LL

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTOS AVAILABLE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

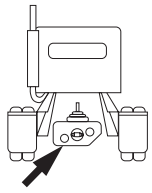
*** OBSOLESCENCE NOTICE:** PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

FULLER TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
58T 9.72P 19° PA Spur
LOCATION: Rear **PLMF:** 1.198
PLV: 1087 FPM **RPM:** 696



FTS-16108LL, FTS-18109LL

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTOS AVAILABLE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

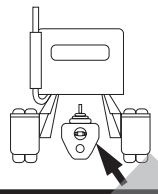
FOOTNOTES:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

FULLER TRANSMISSION

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING



MUNCIE® INTERPUMP HYDRAULICS

EDCO-6F107-A(P)
PROCISION SERIES
Footnotes (2 & 3)

PTO DRIVE GEAR DATA:
47T 8.97P 17° PA 30.2° RH
LOCATION: FRONT **PLMF:** 1.099
PLV: 1316 FPM **RPM:** 816

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-F8906-E1BI	1, 5	Opp	77					Included	Elec/Air	245	47
	TG6B-F8907-E1BI	1, 5	Opp	90					Included	Elec/Air	230	44
	TG6B-F8908-E1BI	1, 5	Opp	111					Included	Elec/Air	230	44
	TG6B-F8909-E1BI	1, 5	Opp	116					Included	Elec/Air	205	39
	TG6B-F8912-E1BI	1, 5	Opp	142					Included	Elec/Air	210	40
	TG6B-F8913-E1BI	1, 5	Opp	167					Included	Elec/Air	210	40
	RS4S-P82E3-H1KP	6	Crnk	106					199K9820000	Elec/Hyd	220	42
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6 & 18)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 18)
- **OUTPUT SHAFT** (see pages 6 & 18)
- **SPECIAL OPTIONS** (see pages 6 & 18)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T43207 - Refer to kit program on pages 27-29.
2 Connection to Chassis Transmission Control is required. Dual Indicator Switch is supplied with Special Feature "I". (30M91113) (TCM must be programed for PTO use.)
3 Stationary Applications Only.
4 Navistar International Truck (4300 Series) order chassis with option code 07BKU for PTO clearance.
5 Use Electric/Air shift only on TG PTO.
6 RS4S is a rear-mounted PTO located lower rear of transmission. Electric/Hydraulic shift shown for rear-mounted PTO

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

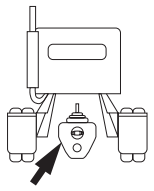
FULLER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

EDCO-6F107-A(P)
USE RIGHT SIDE OPENING
Footnote (1)

PTO DRIVE GEAR DATA:
23T 5.64P 20° P 12° LH
LOCATION: FRONT **PLMF:** .963
PLV: 433 FPM **RPM:** 390



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

USE RIGHT SIDE OPENING FOR PTO APPLICATION

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 PTO drive gear speed too low for PTO applications.

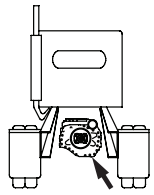
EATON TRANSMISSION

RIGHT REAR ONLY
(BOTTOM OPENING TURN PAGE)

METRIC OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



MUNCIE® INTERPUMP HYDRAULICS

PACCAR TX12 AUTOMATED
PO-14F112C, PO-15F112C, PO-16F112C, PO-17F112C, PO-18F112C

EATON ENDURANT HD SERIES
EEO-14F112-C, EEO-15F112C, EEO-16F112C, EEO-17F112C, EEO-18F112C

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS4S-P81Z2-P1CX	1, 2	Opp	137			601K7150000		199K1093000	Elec/Air	442	84
	RS4S-P84Z4-P1CX	1, 2	Crnk	127			601K7150000		199K1095000	Elec/Air	369	70
	RS4S-P84Z2-P1CX	1, 2	Crnk	177			601K7150000		199K1095000	Elec/Air	300	57
	RS4S-P84Z4-P1IX	1, 2	Crnk	127			601K7150000		199K1094000	Elec/Air	369	70
	RS4S-P84Z2-P1IX	1, 2	Crnk	177			601K7150000		199K1094000	Elec/Air	300	57
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 18)
- **ASSEMBLY ARRANGEMENT** (see page 18)
- **OUTPUT SHAFT** (see page 18)
- **SPECIAL OPTIONS** (see page 18)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO must be wired through the transmission control module as described by Eaton in their application manual.
2 PTOs shown are listed with shift codes that do not include activation components (RS4S "P" shift code). Chassis must be supplied with PTO prep option, and PTO switch installed. For chassis without PTO prep option, order shift code "E".

EATON TRANSMISSION

BOTTOM OPENING ONLY
(REAR RIGHT OPENING TURN PAGE)

PACCAR TX12 AUTOMATED

P0-14F112C, P0-15F112C, P0-16F112C, P0-17F112C, P0-18F112C

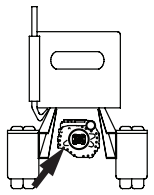
EATON ENDURANT HD SERIES

EE0-14F112-C, EE0-15F112C, EE0-16F112C, EE0-17F112C, EE0-18F112C, EHD-14F112C-N

Footnote (2)

EATON 8-BOLT OPENING

PTO DRIVE GEAR DATA:
42T 8.048P 20PA 28.9 LH
LOCATION: Front **PLMF:** 1.100
PLV: 2136 **RPM:** 1,368



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8F-E8004-P1BX	1, 3	Opp	68					Included	Air	285	54
	TG8F-E8005-P1BX	1, 3	Opp	82					Included	Air	270	51
	TG8F-E8006-P1BX	1, 3	Opp	106					Included	Air	245	47
	TG8F-E8007-P1BX	1, 3	Opp	125					Included	Air	230	44
	TG8F-E8008-P1BX	1, 3	Opp	153					Included	Air	230	44
	TG8F-E8009-P1BX	1, 3	Opp	160					Included	Air	205	39
	TG8F-E8012-P1BH	1, 3	Opp	197					Included	Air	210	40
SH SERIES	SH8F-E8007-P1BX	3, 4	Opp	126					Included	Air	366	70
	SH8F-E8009-P1BX	3, 4	Opp	156					Included	Air	295	56
	SH8F-E8012-P1BX	3, 4	Opp	206					Included	Air	221	42
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828F-E8005-T1CX	3, 4	Opp	63					Included	Air	500	95
	828F-E8008-T1CX	3	Opp	100					Included	Air	450	85
	828F-E8009-T1CX	3	Opp	124					Included	Air	388	74
	828F-E8010-T1CX	3	Opp	134					Included	Air	362	69
	828F-E8012-T1CX	3, 4	Opp	154					Included	Air	313	60
	828F-E8013-T1CX	3, 4	Opp	178					Included	Air	271	52
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see pages 6, 7, & 11)
ASSEMBLY ARRANGEMENT (see pages 6, 7, & 11)
OUTPUT SHAFT (see pages 6, 7, & 11)
SPECIAL OPTIONS (see pages 6, 7, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear is not available in kit format due to housing change required.
2 PTO must be wired through the transmission control module as described by Eaton in their application manual.
3 PTOs shown are listed with shift codes that do not include activation components (TG and SH Series "P" shift code 82 Series). Chassis must be supplied with PTO prep option and PTO switch installed. For chassis without PTO controls option, order PTO shift code "E" (TG and SH Series) or "S" (82 Series).
4 Call for availability.

EATON TRANSMISSION

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTOS AVAILABLE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

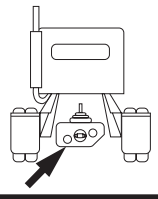
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

EATON TRANSMISSION

BOTTOM OPENING ONLY
(REAR RIGHT OPENING TURN PAGE)

EATON 8-BOLT OPENING



EATON ENDURANT XD
EXD-16F118D, EXD-18F118D, EXDP-16F118D, EXDP-18F118D, EXDP-20F118D

PACCAR TX18 AND PACCAR TX PRO
PXD-16F118D, PXD-18F118D, PXDP-16F118D, PXDP-18F118D

Footnotes (2 & 4)

PTO DRIVE GEAR DATE:
46T 7.055P 20PA Spur
LOCATION: Rear **PLMF:** 1.100
plv: 1864 **RPM:** 1,109

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8F-E7004-P2BX	1, 3	Opp	68					Included	Elec/Air	285	54
	TG8F-E7005-P2BX	1, 3	Opp	89					Included	Elec/Air	270	51
	TG8F-E7006-P2BX	1, 3	Opp	116					Included	Elec/Air	245	47
	TG8F-E7007-P2BX	1, 3	Opp	139					Included	Elec/Air	230	44
	TG8F-E7008-P2BX	1, 3	Opp	167					Included	Elec/Air	230	44
	TG8F-E7009-P2BX	1, 3	Opp	174					Included	Elec/Air	205	39
	TG8F-E7012-P2BX	1, 3	Opp	221					Included	Elec/Air	210	40
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828F-E7005-T2CX	3	Opp	61					Included	Elec/Air	500	95
	828F-E7008-T2CX	3	Opp	98					Included	Elec/Air	450	85
	828F-E7009-T2CX	3	Opp	121					Included	Elec/Air	388	74
	828F-E7010-T2CX	3	Opp	131					Included	Elec/Air	362	69
	828F-E7012-T2CX	3	Opp	157					Included	Elec/Air	313	60
	828F-E7013-T2CX	3	Opp	183					Included	Elec/Air	271	52
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO (see pages
SHIFT OPTIONS 6 & 11)
ASSEMBLY ARRANGEMENT (see page 6 & 11)
OUTPUT SHAFT (see page 6 & 11)
SPECIAL OPTIONS (see page 6 & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series Input Gear #03T64783 – refer to kit program on pages 27-29.
2. PTO must be wired through the transmission control module as described by Eaton in their application manual.
3. The "P" shift option for TG Series or "T" shift option for 82 Series is specified. Chassis must be supplied with PTO switch option.
4. Optional gearbox can be used to reduce output shaft speed for applications needing lower RPMs. GB1B-205-125A would be mounted to "K" (TG) or "D" (82) output option. The 1¼" round output shaft would turn .5 × % – shown and rotation is same as opposite rotation.

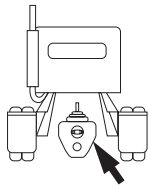
GETRAG TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

360
(1989-1993 Dodge Diesel)
Footnotes (5, 6, & 7)

PTO DRIVE GEAR DATA:
33T 8.467 17.5° R.H.
LOCATION: Rear **PLMF:** 1.12
PLV: 660 FPM **RPM:** 568



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-G8507-C2BX	1, 2, 3, 4	Opp	45					20MKM602	Cable	230	44
	TG6S-G8508-C2BX	1, 2, 3, 4	Opp	55					20MKM602	Cable	230	44
	TG6S-G8509-C2BX	1, 2, 3, 4	Opp	57					20MKM602	Cable	205	39
	TG6S-G8512-C2BH	1, 2, 3, 4	Opp	70					20MKM602	Cable	210	40
	TG6S-G8513-C2BH	1, 2, 3, 4	Opp	80					20MKM602	Cable	210	40
	TG6S-G8515-C2BH	1, 2, 3, 4	Opp	90					20MKM602	Cable	195	37
	TG6S-G8518-C2BH	1, 2, 3, 4	Opp	107					20MKM602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T35180 — Refer to kit program on pages 27-29.
2 Metric stud kit shown.
3 Change or modification of transmission cap screw is required. 1991 and later vehicles use a 1/2-13 UNC cap screw and prior to 1991 use a 7/16-14 UNC cap screw.
4 Possible exhaust interference.
5 Driveline interference on 4 × 4 vehicles.
6 Solenoid shift option requires the “A” special option to change the location of the solenoid. Change the PTO to “4” arrangement Shaft High.
7 Recommended oil 5W30 motor oil, refer to vehicle owner’s manual for specifications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

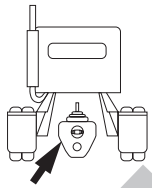
OBSOLETE

GETRAG TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
33T 8.467 17.5° R.H.
LOCATION: Rear **PLMF:** 1.12
PLV: 660 FPM **RPM:** 568



360
(1989-1993 Dodge Diesel)
Footnotes (5, 6, & 7)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-G8507-C4BF	1, 2, 3, 4	Opp	45					20MKM602	Cable	230	44
	TG6S-G8508-C4BF	1, 2, 3, 4	Opp	55					20MKM602	Cable	230	44
	TG6S-G8509-C4BF	1, 2, 3, 4	Opp	57					20MKM602	Cable	205	39
	TG6S-G8512-C4BF	1, 2, 3, 4	Opp	70					20MKM602	Cable	210	40
	TG6S-G8513-C4BF	1, 2, 3, 4	Opp	80					20MKM602	Cable	210	40
	TG6S-G8515-C4BF	1, 2, 3, 4	Opp	90					20MKM602	Cable	195	37
	TG6S-G8518-C4BF	1, 2, 3, 4	Opp	107					20MKM602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

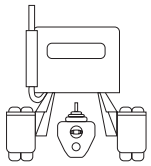
1 TG Series input gear: #03T35180 — Refer to kit program on pages 27-29.
2 Metric stud kit shown.
3 Milled idler cap shown to be mounted on the output shaft side of PTO. Use idler cap kit 15MK35351.
4 Direct mount pumps interfere with transmission case.
5 Change or modification of transmission capscrew is required. 1991 and later vehicles use a ½-13 UNC cap screw and prior to 1991 use a 7/16-14 UNC cap screw.
6 Solenoid shift interferes with transmission case.
7 Recommended oil 5W30 motor oil, refer to vehicle owner's manual for specifications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

HINO TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MFO6S

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

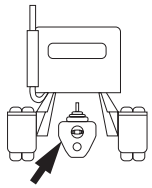
HINO TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



INTERPUMP HYDRAULICS

MF06S
1ST GEAR 6.714, 7.395, OR 8.189

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC8S-P2081-A3BX	1, 2	Opp	70					INCLUDED	AIR	185	35
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

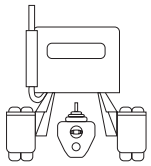
FOOTNOTES:

1 Air shift PTO option only available.
2 Output is 1000 Series companion flange. Direct Mount "K" option is available. See page 24 in General Information.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

HINO TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

LF05S

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

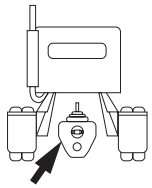
FOOTNOTES:

HINO TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

PTO DRIVE GEAR DATA:
27T
LOCATION: **PLMF:**
PLV: **RPM:**



LF05S
1ST GEAR 6.363 Z=27
1ST GEAR 6.809 Z=28 (3)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC8S-P2107-A3BX	1, 2	Opp	77					INCLUDED	AIR	185	35
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

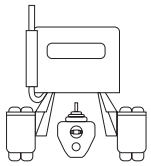
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 Air shift PTO option only available
2 Output is 1000 Series companion flange. Direct Mount "K" option available. See page 24 in General Information.
3 Transmission with 28T = PTO 87%

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

HINO TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

LF06S

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

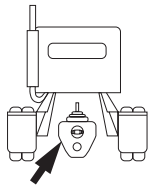
HINO TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



LF06S
1ST GEAR 6.363 Z=33

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC8S-P2107-A3BX	1, 2	Opp	94			602AD027000		199K0990000	AIR	185	35
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

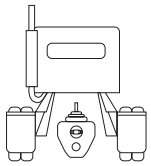
FOOTNOTES:

1 Air shift PTO option only available
2 Output is 1000 Series companion flange. Direct Mount "K" option is available. See page 24 in General Information.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

HINO TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

LJ06S

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

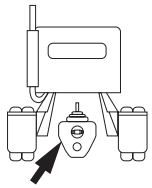
HINO TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



LJ06S
1ST GEAR 6.893, 8.189

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC8S-P2254-A3BX	1, 2	Opp	97					199K4660000	AIR	185	35
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

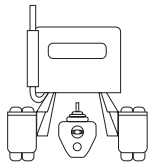
FOOTNOTES:

1 Air shift PTO option only available
2 Output is 1000 Series companion flange. Direct Mount "K" option is available. See page 24 in General Information.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

HINO TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

M550

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

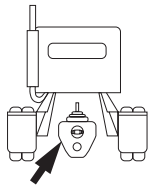
HINO TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



M550
1ST GEAR 4.981

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09H4-A3BX	1, 2	Opp	114				6036SP07500	199K8240000	AIR	147	28
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)x
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

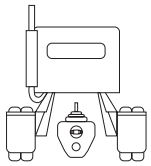
FOOTNOTES:

1 Air shift PTO option shown.
2 Output is 1000 Series companion flange. Direct Mount "K" option is available. See page 24 in General Information.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

MBG-5A

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

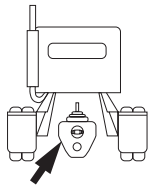
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

MBG-5A

METRIC 8-BOLT OPENING

PTO DRIVE GEAR DATA:
34T 7.25P 20°PA 24° R.H.
LOCATION: Front **PLMF:** 1.373
PLV: 706 FPM **RPM:** 526



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J1-C3BX	1	Opp	68			602AD251000	6036SP13200	199K8140000 199K8610000	Cable	148	28
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 PTO output “B” is 1000 Series companion flange. SAE-B option “K” is available. See page 24 in the General Information section.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

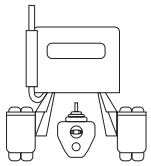
ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

MBG-5B, MBG-5H

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

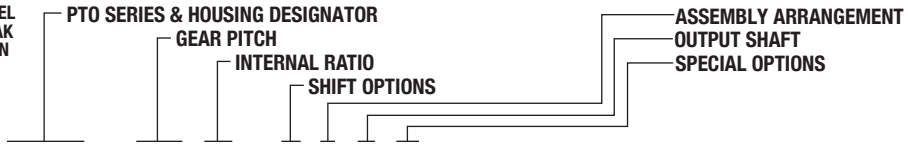
NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN



IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

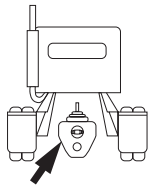
FOOTNOTES:

ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

PTO DRIVE GEAR DATA:
35T 7.2571P 20°PA 24° R.H.
LOCATION: Front **PLMF:** 1.292
PLV: 673 FPM **RPM:** 487



MUNCIE INTERPUMP HYDRAULICS

MBG-5B, MBG-5H

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J1-C3BX	1	OPP	68			602AD251000	6036SP13200	199K8610000 199K8140000	CABLE	147	28
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

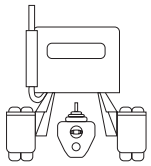
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 Output is 1000 Series companion flange. Direct Mount "K" Option is available. See page 24 in General Information.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MBG-5F

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

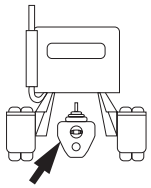
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

MLD-6F

PTO DRIVE GEAR DATA:
35T 7.257P 20°PA 24° R.H.
LOCATION: Front **PLMF:** 2.990
PLV: 676 FPM **RPM:** 489



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J1-C3BX	1	OPP	73			602AD251000	6036SP171000	199K8220000 199K8610000	Cable	148	28
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

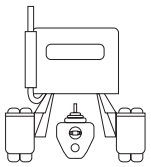
- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 24)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 24)
- B — **OUTPUT SHAFT** (see page 24)
- X — **SPECIAL OPTIONS** (see page 24)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 Output “B” is 1000 Series companion flange, for SAE-B use “K” output option. See page 24 in the General Information section.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MSA-5D

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

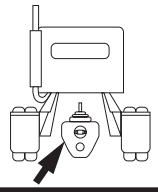
FOOTNOTES:

ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

MSA-5D
Footnote (2)

PTO DRIVE GEAR DATA:
20T SP 20°PA 15° R.H.
LOCATION: CENTER **PLMF:** 2,839
PLV: 367 FPM **RPM:** 542



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J2-C3BX		OPP	67				6036SP83300	199K8480000	CABLE	100	26
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

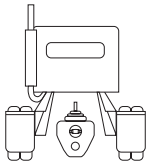
FOOTNOTES:

1 Output is 1000 Series companion flange. Direct Mount "K" Option is available. See page 24 in General Information section.
2 Torque and HP derated due to transmission limitations.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MSA-5G

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

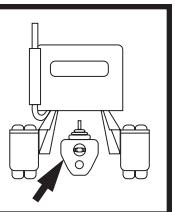
- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



MSA-5G
Footnote (2)

PTO DRIVE GEAR DATA:
22T SP 20°PA 15° R.H.
LOCATION: CENTER **PLMF:** 2.710
PLV: 396 FPM **RPM:** 531

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J2-C3BX		OPP	62				6036SP11930	199K8470000	CABLE	100	20
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 24)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 24)
- B — **OUTPUT SHAFT** (see page 24)
- X — **SPECIAL OPTIONS** (see page 24)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

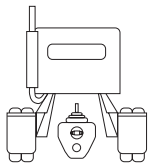
FOOTNOTES:

1 Output is 1000 Series companion flange. Direct Mount "K" Option is available. See page 24 in General Information section.
2 Torque and HP derated due to transmission limitations.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MSA-5P

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

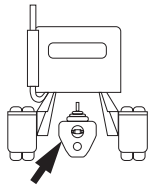
FOOTNOTES:

ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

MSA-5P
Footnote (2)

PTO DRIVE GEAR DATA:
22T SP 20°PA 15° R.H.
LOCATION: CENTER **PLMF:** 2.710
PLV: 396 FPM **RPM:** 531



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J2-C3BX		OPP	62				6036SP11930	199K8470000	CABLE	100	20
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

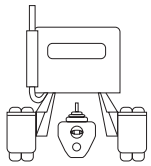
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Output is 1000 Series companion flange. Direct Mount "K" Option is available. See page 24 in General Information section.
2 Torque and HP derated due to transmission limitations.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MSA-5P

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

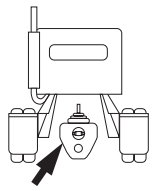
FOOTNOTES:

ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

MSA-5S
Footnote (2)

PTO DRIVE GEAR DATA:
22T 8P 20°PA 15° R.H.
LOCATION: CENTER **PLMF:** 2.839
PLV: 480 FPM **RPM:** 644



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J2-C3BX		OPP	68				6036SP83300	199K8480000	CABLE	100	20
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

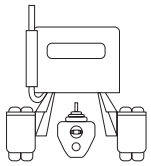
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Output is 1000 Series companion flange. Direct Mount "K" Option is available. See page 24 in General Information section.
2 Torque and HP derated due to transmission limitations.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MLD-6Q

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

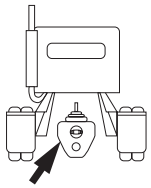
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

MLD-6Q

PTO DRIVE GEAR DATA:
36T 7.257P 20°PA 24° R.H.
LOCATION: Front **PLMF:** 2.915
PLV: 846 FPM **RPM:** 595



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC8S-P2262-A3BX	1, 2	Opp	113					199K4800000	AIR	184	35
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page ?)
- **ASSEMBLY ARRANGEMENT** (see page ?)
- **OUTPUT SHAFT** (see page ?)
- **SPECIAL OPTIONS** (see page ?)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

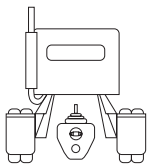
FOOTNOTES:

1 Output shaft “B” is 1000 Series companion flange. For SAE-B use “K” output option. See page 24 in General Information section.
2 Air Shift Option only.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MXA-5R, MXA-6S

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

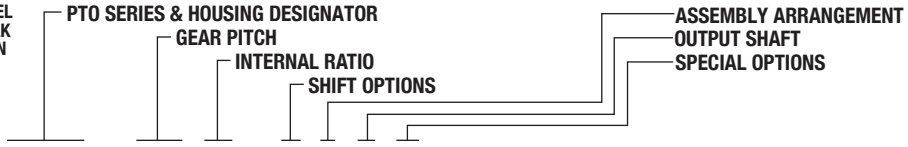
NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN



IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

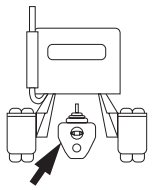
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

MXA-5R, MXA-6S
Footnote (2)

PTO DRIVE GEAR DATA:
20T 8P 20° PA 15° R.H.
LOCATION: Center **PLMF:** 2.836
PLV: 436 FPM **RPM:** 644



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J2-C3BX		Opp	67				6036SP83300	199K8480000	Cable	100	20
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 Output is 1000 Series companion flange. Direct Mount "K" Option is available. See page 24 in General Information section.
2 Torque and HP derated due to transmission limitations.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

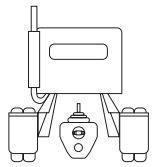
ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

MXA-5D

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

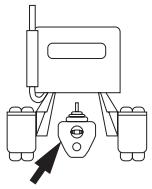
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

MXA-5D
Footnote (2)

PTO DRIVE GEAR DATA:
20T 8P 20° PA 15° R.H.
LOCATION: Center **PLMF:** 2.836
PLV: 367 FPM **RPM:** 542



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J2-C3BX		Opp	58				6036SP83300	199K8480000	Cable	100	20
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

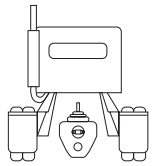
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 Output is 1000 Series companion flange. Direct Mount "K" Option is available. See page 24 in General Information section.
2 Torque and HP derated due to transmission limitations.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MXA-5C

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

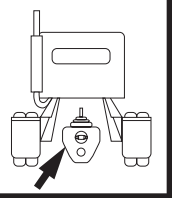
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

MXA-5C
Footnote (2)

PTO DRIVE GEAR DATA:
20T 8P 20° PA 15° R.H.
LOCATION: Center **PLMF:** 2.839
PLV: 346 FPM **RPM:** 510



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J2-C3BX		Opp	64				6036SP83300	199K8480000	Cable	100	20
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

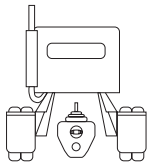
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Output is 1000 Series companion flange. Direct Mount "K" Option is available. See page 24 in General Information section.
2 Torque and HP derated due to transmission limitations.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MBP-6P

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

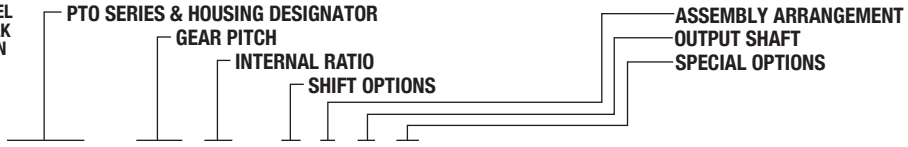
NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN



IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

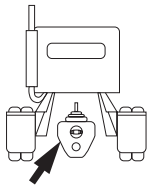
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

MBP-6P

PTO DRIVE GEAR DATA:
34T 7.26P 20° PA 24° R.H.
LOCATION: Front **PLMF:** 1.373
PLV: 706 FPM **RPM:** 526



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J1-C3BX	1	Opp	79			602AD251000	6036SP171000	199K8220000 199K8610000	Cable	148	28
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

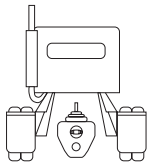
FOOTNOTES:

1 Output “B” is 1000 Series companion flange. For SAE-B output use “K” output option. See page 24 in the General Information section.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

MBP-6Q

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

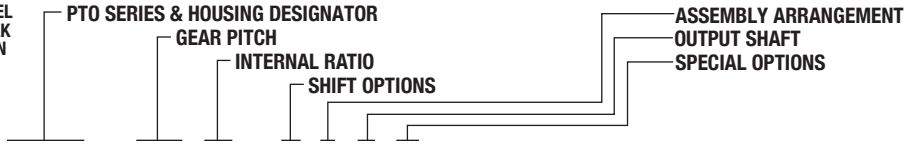
NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN



IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

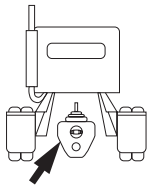
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

MBP-6Q

PTO DRIVE GEAR DATA:
35T 7.2571P 20° P 24° R.H.
LOCATION: Front **PLMF:** 1.292
PLV: 726 FPM **RPM:** 526



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J1-C3BX	1	OPP	79			602AD251000	6036SP17100	199K861000 199K822000	CABLE	148	28
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

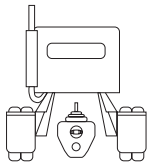
EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 Output is 1000 Series companion flange. Direct Mount "K" Option is available. See page 24 in General Information section.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MZZ-6U

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

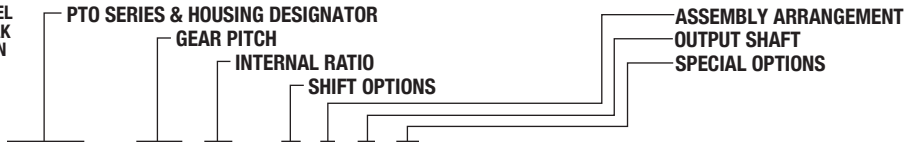
NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN



IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

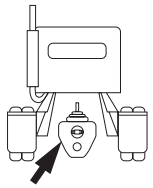
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

MZZ-6U

PTO DRIVE GEAR DATA:
37T 8.16P 20° PA 25° R.H.
LOCATION: Front **PLMF:** 1.28
PLV: **RPM:** 543



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J4-C3BX	1, 2, 3	Opp	87			602AD251000	6036SP25000	199K8620000 199K8610000	Cable	133	25
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 24)
ASSEMBLY ARRANGEMENT (see page 24)
OUTPUT SHAFT (see page 24)
SPECIAL OPTIONS (see page 24)

EX: TG 6S - U68 07 - C 1 B X

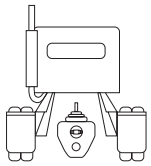
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 Cable shift option only.
2 PTO output includes a 1000 Series companion flange. Mate with flange yoke, 10-2-29, sold separately. SAE-B direct mount output option “K” available.
3 Two mounting kits are shown and required. One kit mounts PTO to adapter and the other mounts the adapter to the transmission. The spacer is installed between the PTO and the adapter.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

MYY-5T, MYY-6P, MYY-6S

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

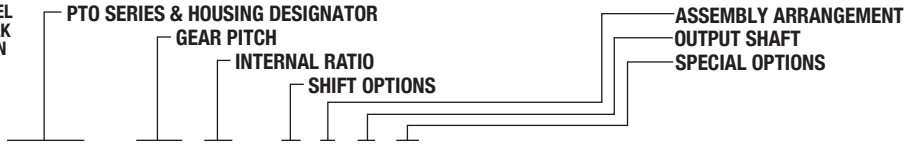
NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN



IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

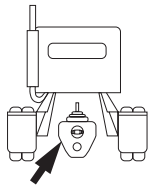
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



MYY-5T, MYY-6P, MYY-6S
Footnote (2)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J5-C3BX	1	Opp	79				6036SP12500	199K8440000	Cable	148	28
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Output is 1000 Series companion flange. Direct Mount "K" option is available. See page 24 in General Information.
2 For MYY-6P and MYY-6S the output speed is 70%.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ISUZU TRANSMISSION

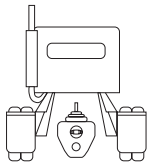
RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

MUNCIE

MZZ-6F

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

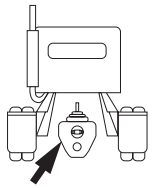
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



MZZ-6F

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P09J4-C3BX	1, 2, 3	Opp	94			602AD251000	6036SP27000	199K8610000 199K8620000	Cable	184	35
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

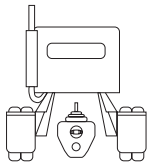
FOOTNOTES:

1 Output is 1000 Series companion flange. Direct Mount "K" option is available. See page 24 in General Information section.
2 Air shift option is available.
3 Two mounting kits are shown and required. One kit mounts PTO to adapter and the other mounts the adapter to the transmission. The spacer is installed between the PTO and adapter.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

ISUZU TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MJA-7U (7.826), MJA-7T

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

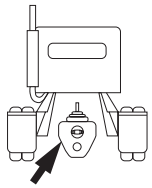
ISUZU TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



MUNCIE INTERPUMP HYDRAULICS

MJA-7U (7.826), MJA-7T[3]

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC8S-P2374-A3BX	1, 2	Opp	102					199K3100000	Air	206	39
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

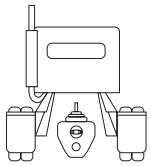
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Output is 1000 Series companion flange. Direct Mount "K" option is available. See page 24 in General Information section.
2 Air shift option only.
3 For MJA-7T PTO output speed ratio is 95%.

JATCO TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



AUTOMATIC
(NISSAN RGE-40A) 2005 & EARLIER
(ISUZU 1989-2005)

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

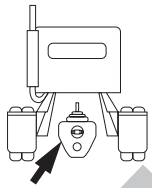
JATCO TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

AUTOMATIC
(NISSAN RGE-40A) 2005 & EARLIER
(ISUZU 1989-2005)
Footnotes (3, 5, 6, & 8)

METRIC 6-BOLT OPENING

PTO DRIVE GEAR DATA:
63T 8.47P 20° Spur
LOCATION: Front **PLMF:** 1.438
PLV: 1948 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-I8504-C3BX	1, 2,4	Crnk	60					Included	Cable	209	40
	TG6N-I8505-C3BX	1, 2,4	Crnk	78					Included	Cable	160	30
	TG6N-I8506-C3BX	1, 2,4	Crnk	101					Included	Cable	124	24
	TG6N-I8507-C3BX	1, 2,4	Crnk	119					Included	Cable	105	20
	TG6N-I8508-C3BX	1, 2,4	Crnk	147					Included	Cable	100	19
	TG6N-I8509-C3BX	1, 2,4	Crnk	153					Included	Cable	83	16
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Frame rail interference when used in Mitsubishi chassis or Nissan UD 1100.
2 This PTO requires a special housing and is not available in the standard kit form.
3 Torque ratings of PTO are derated for this application due to manufacturer's limitations.
4 TG Series input gear: #03T35350 — Refer to kit program on pages 27-29.
5 These PTO's may only be used on 1989 and later transmissions.
6 The PTO is driven through the transmission torque converter. There is no lock-up option for stationary applications; therefore increasing engine speed is used to compensate for converter slippage. This affects output shaft speed.
8 Metric stud kits are included with the PTO. For TG – 20MKM104.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

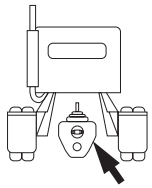
OBSOLETE

MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
34T 6P 20° PA Spur
LOCATION: Front **PLMF:** 3.085
PLV: 758 FPM **RPM:** 510



TRL-107, TRL-1076, TRL-1078, 1078, TRDXL-107[1], TRDXL-1078[1], TRDXL-1070[2], TRDXL-10780[2], TRDXL-1071[3], TRDXL-10781[3]
Footnotes (6, 7, & 8)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	5	Crnk	26			40TU6800		20MK6615	Cable	285	54
	TG6S-U6805-C1BX	5	Crnk	34			40TU6800		20MK6615	Cable	270	51
	TG6S-U6806-C1BX	5	Crnk	44			40TU6800		20MK6615	Cable	245	47
	TG6S-U6807-C1BX	5	Crnk	52			40TU6800		20MK6615	Cable	230	44
	TG6S-U6808-C1BX	5	Crnk	64			40TU6800		20MK6615	Cable	230	44
	TG6S-U6809-C1BX	5	Crnk	67			40TU6800		20MK6615	Cable	205	39
	TG6S-U6812-C1BH	5	Crnk	82			40TU6800		20MK6615	Cable	210	40
	TG6S-U6813-C1BH	5	Crnk	94			40TU6800		20MK6615	Cable	210	40
	TG6S-U6815-C1BH	5	Crnk	106			40TU6800		20MK6615	Cable	195	37
	TG6S-U6818-C1BH	5	Crnk	125			40TU6800		20MK6615	Cable	175	33
SH SERIES	SH6S-U6807-E1BX		Crnk	50			40TU6800		20TK4437	Elec/Air	400	76
	SH6S-U6809-E1BX		Crnk	62			40TU6800		20TK4437	Elec/Air	375	71
	SH6S-U6812-E1BX		Crnk	83			40TU6800		20TK4437	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6806-E1BX		Crnk	40			40TU6800		20TK4437	Power	300	57
	CS6S-U6807-E1BX		Crnk	50			40TU6800		20TK4437	Power	300	57
	CS6S-U6809-E1BX		Crnk	62			40TU6800		20TK4437	Power	275	52
	CS6S-U6812-E1BX		Crnk	83			40TU6800		20TK4437	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	9	Crnk	39		39	40TU6800	23M60200S	20MK6616	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. In low splitter range, multiply PTO speeds shown by .569.
2. With transmission splitter in overdrive range, multiply PTO speeds shown by 1.62.
3. In low-low splitter range, multiply PTO speeds shown by .35. In overdrive range multiply speeds by 1.62.
4. There may be case interference with single speed-single gear PTO on right side.
5. TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
6. Continuous duty applications require the addition of a lubrication pump. Order 43MK8205 separately. PTO should be ordered with pressure lube option “P”.
7. Because of the location of this opening the PTO should be filled with oil before start up. Check oil level of transmission after installation test of PTO.
8. Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6617 (20TK4438 for SH Series or CS Series).
9. Do not use for continuous duty applications.

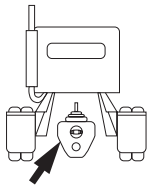
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
34T 6P 20° PA Spur
LOCATION: Front **PLMF:**.625/1.423
PLV: 758 FPM **RPM:** 510



TRL-107, TRL-1076, TRL-1078, 1078, TRDXL-107[1], TRDXL-1078[1], TRDXL-1070[2], TRDXL-10780[2], TRDXL-1071[3], TRDXL-10781[3]
Footnotes (4 & 8)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	5, 6	Opp	26				23M80032	Included	Cable	285	54
	TG8S-X6805-C3BX	5, 6	Opp	34				23M80032	Included	Cable	270	51
	TG8S-X6806-C3BX	5, 6	Opp	44				23M80032	Included	Cable	245	47
	TG8S-X6807-C3BX	5, 6	Opp	52				23M80032	Included	Cable	230	44
	TG8S-X6808-C3BX	5, 6	Opp	64				23M80032	Included	Cable	230	44
	TG8S-X6809-C3BX	5, 6	Opp	67				23M80032	Included	Cable	205	39
	TG8S-X6812-C3BH	5, 6	Opp	82				23M80032	Included	Cable	210	40
	TG8S-X6813-C3BH	5, 6	Opp	94				23M80032	Included	Cable	210	40
	TG8S-X6815-C3BH	5, 6	Opp	106				23M80032	Included	Cable	195	37
	TG8S-X6818-C3BH	5, 6	Opp	125				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6807-E3BX	6	Opp	50					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	6	Opp	62					Included	Elec/Air	375	71
	SH8S-U6812-E3BX	6	Opp	83					Included	Elec/Air	325	62
	SH8S-U6813-E3BX	6	Opp	96					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6806-E3BX		Opp	40					Included	Power	300	57
	CS8S-U6807-E3BX	6	Opp	50					Included	Power	300	57
	CS8S-U6809-E3BX	6	Opp	62					Included	Power	275	52
	CS8S-U6812-E3BX	6	Opp	83					Included	Power	275	52
	CS8S-U6814-E3BX	6	Opp	103					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6805-L3BX	6, 9	Opp	39		39		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		7	40TU6886-1 + 23M80500+ 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6809-L3CX		Opp	47					Included	Lever	410	78
	828S-U6810-L3CX		Opp	51					Included	Lever	410	78
	828S-U6812-L3CX		Opp	58					Included	Lever	375	71
	828S-U6813-L3CX		Opp	68					Included	Lever	375	71
	828S-U6815-L3CX		Opp	74				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Opp	91				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages
- **SHIFT OPTIONS** 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 In low splitter range, multiply PTO speeds shown by .569.
2 With transmission splitter in overdrive range, multiply PTO speeds shown by 1.62.
3 In low-low splitter range, multiply PTO speeds shown by .35. In overdrive range multiply speeds by 1.62.
4 Direct mount pumps cannot be used without adapter due to case interference.
5 TG Series input gear: #03T96773 — Refer to kit program on pages 27-29.
6 1280/1310 Spicer yokes may interfere with case.
7 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
8 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
9 Do not use for continuous duty applications.

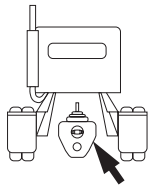
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
37T 6/8P 20° PA Spur
LOCATION: Front **PLMF:** 2.834
PLV: 1700 FPM **RPM:** 1,054



TRDL-107, TRTXL-107, X-107, TRX-107, TRXL-107, TRXL-107A, X-107A, X-1071, TRXL-1071, TRXL-1071A, TRXL-1078
Footnotes (2, 4, 5, & 6)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1	Crnk	58			40TU6800	23M60240S	20MK6617	Cable	285	54
	TG6S-U6805-C1BX	1	Crnk	76			40TU6800	23M60240S	20MK6617	Cable	270	51
	TG6S-U6806-C1BX	1	Crnk	99			40TU6800	23M60240S	20MK6617	Cable	245	47
	TG6S-U6807-C1BX	1	Crnk	118			40TU6800	23M60240S	20MK6617	Cable	230	44
	TG6S-U6808-C1BX	1	Crnk	144			40TU6800	23M60240S	20MK6617	Cable	230	44
	TG6S-U6809-C1BX	1	Crnk	150			40TU6800	23M60240S	20MK6617	Cable	205	39
	TG6S-U6812-C1BH	1	Crnk	184			40TU6800	23M60240S	20MK6617	Cable	210	40
	TG6S-U6813-C1BH	1	Crnk	210			40TU6800	23M60240S	20MK6617	Cable	210	40
	TG6S-U6815-C1BH	1	Crnk	236			40TU6800	23M60240S	20MK6617	Cable	195	37
	TG6S-U6818-C1BH	1	Crnk	280			40TU6800	23M60240S	20MK6617	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Crnk	77			40TU6800	23M60240S	20TK4438	Elec/Air	400	76
	SH6S-U6807-E1BX		Crnk	113			40TU6800	23M60240S	20TK4438	Elec/Air	400	76
	SH6S-U6809-E1BX		Crnk	140			40TU6800	23M60240S	20TK4438	Elec/Air	375	71
	SH6S-U6812-E1BX		Crnk	186			40TU6800	23M60240S	20TK4438	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Crnk	77			40TU6800	23M60240S	20TK4438	Power	300	57
	CS6S-U6806-E1BX		Crnk	91			40TU6800	23M60240S	20TK4438	Power	300	57
	CS6S-U6807-E1BX		Crnk	113			40TU6800	23M60240S	20TK4438	Power	300	57
	CS6S-U6809-E1BX		Crnk	140			40TU6800	23M60240S	20TK4438	Power	275	52
	CS6S-U6812-E1BX		Crnk	186			40TU6800	23M60240S	20TK4438	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	3, 7	Crnk	43		43	40TU6800	23M60240S+23M60200S	20MK6619	Lever	200	38
	RL6D-U6805-L3BX	7	Crnk	88		88	40TU6800	23M60240S+23M60200S	20MK6619	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2. Speed shown is with transmission in 5th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for 1st gear – .116, 2nd – .200, 3rd – .353, 4th – .603, 5th – 1.00.
3. RL Series with combined reduction gear box.
4. Continuous duty applications require the addition of a lubrication pump. Order 43MK8205 separately. PTO should be ordered with pressure lube option "P".
5. Because of the location of this opening the PTO should be filled with oil before start up. Check oil level of transmission after installation test of PTO.
6. Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6619.
7. Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

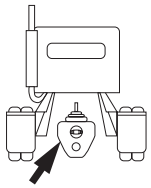
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

TRDL-107, TRTXL-107, X-107, TRX-107, TRXL-107, TRXL-107A, X-107A, X-1071, TRXL-1071, TRXL-1071A, TRXL-1078
Footnotes (3 & 6)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
37T 6/8P 20° PA Spur
LOCATION: Front **PLMF:** .389/1.423
PLV: 1700 FPM **RPM:** 1,054



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 2	Opp	58				23M80248	20MK8808	Cable	285	54
	TG8S-X6805-C3BX	1, 2	Opp	76				23M80248	20MK8808	Cable	270	51
	TG8S-X6806-C3BX	1, 2	Opp	99				23M80248	20MK8808	Cable	245	47
	TG8S-X6807-C3BX	1, 2	Opp	118				23M80248	20MK8808	Cable	230	44
	TG8S-X6808-C3BX	1, 2	Opp	144				23M80248	20MK8808	Cable	230	44
	TG8S-X6809-C3BX	1, 2	Opp	150				23M80248	20MK8808	Cable	205	39
	TG8S-X6812-C3BH	1, 2	Opp	184				23M80248	20MK8808	Cable	210	40
	TG8S-X6813-C3BH	1, 2	Opp	210				23M80248	20MK8808	Cable	210	40
	TG8S-X6815-C3BH	1, 2	Opp	236				23M80248	20MK8808	Cable	195	37
	TG8S-X6818-C3BH	1, 2	Opp	280				23M80248	20MK8808	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	77				23M80190	20MK8808	Elec/Air	400	76
	SH8S-U6807-E3BX		Opp	113				23M80190	20MK8808	Elec/Air	400	76
	SH8S-U6809-E3BX		Opp	140				23M80190	20MK8808	Elec/Air	375	71
	SH8S-U6812-E3BX		Opp	186				23M80190	20MK8808	Elec/Air	325	62
	SH8S-U6813-E3BX		Opp	216				23M80190	20MK8808	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	77				23M80190	20MK8808	Power	300	57
	CS6S-U6806-E1BX		Opp	91				23M80190	20MK8808	Power	300	57
	CS8S-U6807-E3BX		Opp	113				23M80190	20MK8808	Power	300	57
	CS8S-U6809-E3BX		Opp	140				23M80190	20MK8808	Power	275	52
	CS8S-U6812-E3BX		Opp	186				23M80190	20MK8808	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	4, 7	Opp	43		43		23M80295	20MK8808	Lever	200	38
	RL8S-U6805-L3BX	7	Opp	89		89		23M80295	20MK8808	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6886-1 + 23M80500+ 23M80248 + 20MK8816						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Opp	54				23M80248	20MK8817	Lever	500	95
	828S-U6808-L3CX		Opp	86				23M80248	20MK8817	Lever	450	85
	828S-U6809-L3CX		Opp	106				23M80248	20MK8817	Lever	410	78
	828S-U6810-L3CX		Opp	115				23M80248	20MK8817	Lever	410	78
	828S-U6812-L3CX		Opp	132				23M80248	20MK8817	Lever	375	71
	828S-U6813-L3CX		Opp	153				23M80248	20MK8817	Lever	375	71
	828S-U6815-L3CX		Opp	167				23M80375	20MK8817	Lever	350	67
	828S-U6819-L3CX		Opp	205				23M80500	20MK8816	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages
- **SHIFT OPTIONS** 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

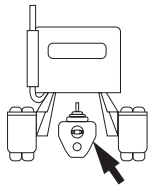
1 For direct mount pumps, use TG8D-S68**-C3KX + 23M80375 + 23M80062 +20MK8817, then multiply speed by .92. Alterations to direct mount flange required for clearance.
2 TG Series input gear: #03T96773 — Refer to kit program on pages 27-29.
3 Speed shown is with transmission in 5th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for 1st gear – .116, 2nd – .200, 3rd – .353, 4th – .603, 5th – 1.00.
4 RL Series with combined reduction gear box.
5 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
6 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Change spacer to 23M80375+23M80062 and stud kit to 20MK8817.
7 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



TRXL-1070, TRXL-10710, TRXL-1070A, X-1070
Footnotes (2, 4, 5, & 6)

PTO DRIVE GEAR DATA:
37T 6/8P 20° PA Spur
LOCATION: Front **PLMF:** 2.834
PLV: 1700 FPM **RPM:** 1,054

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1	Crnk	58			40TU6800	23M60240S	20MK6617	Cable	285	54
	TG6S-U6805-C1BX	1	Crnk	76			40TU6800	23M60240S	20MK6617	Cable	270	51
	TG6S-U6806-C1BX	1	Crnk	99			40TU6800	23M60240S	20MK6617	Cable	245	47
	TG6S-U6807-C1BX	1	Crnk	118			40TU6800	23M60240S	20MK6617	Cable	230	44
	TG6S-U6808-C1BX	1	Crnk	144			40TU6800	23M60240S	20MK6617	Cable	230	44
	TG6S-U6809-C1BX	1	Crnk	150			40TU6800	23M60240S	20MK6617	Cable	205	39
	TG6S-U6812-C1BH	1	Crnk	184			40TU6800	23M60240S	20MK6617	Cable	210	40
	TG6S-U6813-C1BH	1	Crnk	210			40TU6800	23M60240S	20MK6617	Cable	210	40
	TG6S-U6815-C1BH	1	Crnk	236			40TU6800	23M60240S	20MK6617	Cable	195	37
	TG6S-U6818-C1BH	1	Crnk	280			40TU6800	23M60240S	20MK6617	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Crnk	77			40TU6800	23M60240S	20TK4438	Elec/Air	400	76
	SH6S-U6807-E1BX		Crnk	113			40TU6800	23M60240S	20TK4438	Elec/Air	400	76
	SH6S-U6809-E1BX		Crnk	140			40TU6800	23M60240S	20TK4438	Elec/Air	375	71
	SH6S-U6812-E1BX		Crnk	186			40TU6800	23M60240S	20TK4438	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Crnk	77			40TU6800	23M60240S	20TK4438	Power	300	57
	CS6S-U6806-E1BX		Crnk	91			40TU6800	23M60240S	20TK4438	Power	300	57
	CS6S-U6807-E1BX		Crnk	113			40TU6800	23M60240S	20TK4438	Power	300	57
	CS6S-U6809-E1BX		Crnk	140			40TU6800	23M60240S	20TK4438	Power	275	52
	CS6S-U6812-E1BX		Crnk	186			40TU6800	23M60240S	20TK4438	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	3, 7	Crnk	43		43	40TU6800	23M60200S+23M60240S	20MK6619	Lever	200	38
	RL6D-U6805-L3BX	7	Crnk	88		88	40TU6800	23M60200S+23M60240S	20MK6619	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2. Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for 1st gear – .191, 2nd – .328, 3rd – .578, 4th – 1.00, 5th – 1.67.
3. RL Series with combined reduction gear box.
4. Continuous duty applications require the addition of a lubrication pump. Order 43MK8205 separately. PTO should be ordered with pressure lube option “P”.
5. Because of the location of this opening the PTO should be filled with oil before start up. Check oil level of transmission after installation test of PTO.
6. Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6619.
7. Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

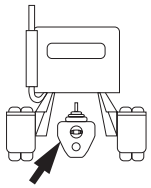
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TRXL-1070, TRXL-10710, TRXL-1070A, X-1070
Footnotes (3 & 6)

PTO DRIVE GEAR DATA:
37T 6/8P 20° PA Spur
LOCATION: Front **PLMF:** .389/1.423
PLV: 1700 FPM **RPM:** 1054



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 2	Opp	58				23M80248	20MK8808	Cable	285	54
	TG8S-X6805-C3BX	1, 2	Opp	76				23M80248	20MK8808	Cable	270	51
	TG8S-X6806-C3BX	1, 2	Opp	99				23M80248	20MK8808	Cable	245	47
	TG8S-X6807-C3BX	1, 2	Opp	118				23M80248	20MK8808	Cable	230	44
	TG8S-X6808-C3BX	1, 2	Opp	144				23M80248	20MK8808	Cable	230	44
	TG8S-X6809-C3BX	1, 2	Opp	150				23M80248	20MK8808	Cable	205	39
	TG8S-X6812-C3BH	1, 2	Opp	184				23M80248	20MK8808	Cable	210	40
	TG8S-X6813-C3BH	1, 2	Opp	210				23M80248	20MK8808	Cable	210	40
	TG8S-X6815-C3BH	1, 2	Opp	236				23M80248	20MK8808	Cable	195	37
	TG8S-X6818-C3BH	1, 2	Opp	280				23M80248	20MK8808	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	77				23M80190	20MK8808	Elec/Air	400	76
	SH8S-U6807-E3BX		Opp	113				23M80190	20MK8808	Elec/Air	400	76
	SH8S-U6809-E3BX		Opp	140				23M80190	20MK8808	Elec/Air	375	71
	SH8S-U6812-E3BX		Opp	186				23M80190	20MK8808	Elec/Air	325	62
	SH8S-U6813-E3BX		Opp	216				23M80190	20MK8808	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	77				23M80190	20MK8808	Power	300	57
	CS8S-U6806-E3BX		Opp	91				23M80190	20MK8808	Power	300	57
	CS8S-U6807-E3BX		Opp	113				23M80190	20MK8808	Power	300	57
	CS8S-U6809-E3BX		Opp	140				23M80190	20MK8808	Power	275	52
	CS8S-U6812-E3BX		Opp	186				23M80190	20MK8808	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	4, 7	Opp	43		43		23M80295	20MK8808	Lever	200	38
	RL8S-U6805-L3BX	7	Opp	89		89		23M80295	20MK8808	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6886-1 + 23M80500+ 23M80248 + 20MK8816						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Opp	54				23M80248	20MK8817	Lever	500	95
	828S-U6808-L3CX		Opp	86				23M80248	20MK8817	Lever	450	85
	828S-U6809-L3CX		Opp	106				23M80248	20MK8817	Lever	410	78
	828S-U6810-L3CX		Opp	115				23M80248	20MK8817	Lever	410	78
	828S-U6812-L3CX		Opp	132				23M80248	20MK8817	Lever	375	71
	828S-U6813-L3CX		Opp	153				23M80248	20MK8817	Lever	375	71
	828S-U6815-L3CX		Opp	167				23M80375	20MK8817	Lever	350	67
	828S-U6819-L3CX		Opp	205				23M80500	20MK8816	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

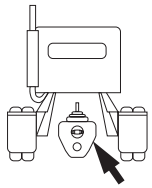
1 TG Series input gear: #03T96773 — Refer to kit program on pages 27-29.
2 For direct mount pumps use TG8D-S68**-C3KX + 23M80375 + 23M80062 + 20MK8817, then multiply speed by .92.
3 Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for 1st gear – .191, 2nd – .328, 3rd – .578, 4th – 1.00, 5th – 1.67.
4 RL Series with combined reduction gear box.
5 When using the 40TU6886-1 adapter to change rotation-change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
6 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Change spacer to 23M80375+23M80062 and stud kit to 20MK8817.
7 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



T-1070[1], TRTXL-1070B, T-1070B, TRDL-1070, TRDLG-1070, TRTXL-1070[1]

Footnotes (3, 5, 6, & 7)

PTO DRIVE GEAR DATA:
37T 6/8P 20° PA Spur
LOCATION: Rear **PLMF:** 2.834
PLV: 2185 FPM **RPM:** 1,355

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C2BX	2	Crnk	75			40TU6800	23M60240S	20MK6617	Cable	285	54
	TG6S-U6805-C2BX	2	Crnk	98			40TU6800	23M60240S	20MK6617	Cable	270	51
	TG6S-U6806-C2BX	2	Crnk	128			40TU6800	23M60240S	20MK6617	Cable	245	47
	TG6S-U6807-C2BX	2	Crnk	151			40TU6800	23M60240S	20MK6617	Cable	230	44
	TG6S-U6808-C2BX	2	Crnk	185			40TU6800	23M60240S	20MK6617	Cable	230	44
	TG6S-U6809-C2BX	2	Crnk	193			40TU6800	23M60240S	20MK6617	Cable	205	39
	TG6S-U6812-C2BH	2	Crnk	237			40TU6800	23M60240S	20MK6617	Cable	210	40
	TG6S-U6813-C2BH	2	Crnk	270			40TU6800	23M60240S	20MK6617	Cable	210	40
	TG6S-U6815-C2BH	2	Crnk	304			40TU6800	23M60240S	20MK6617	Cable	195	37
	TG6S-U6818-C2BH	2	Crnk	360			40TU6800	23M60240S	20MK6617	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	4, 8	Crnk	114		114	40TU6800	23M60240S+23M60200S	20MK6619	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 IMPORTANT: This transmission also has a low range compound section. For PTO speeds in low range, multiply speed shown by .594. This is in addition to the reduction created by the lower gears.
2 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
3 Speed shown is with transmission in 5th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for 1st gear – .116, 2nd – .200, 3rd – .353, 4th – .603, 5th – 1.00.
4 RL Series with combined reduction gear box is not available in "2" assembly.
5 Continuous duty applications require the addition of a lubrication pump. Order 43MK8205 separately. PTO should be ordered with pressure lube option "P".
6 Because of the location of this opening the PTO should be filled with oil before start up. Check oil level of transmission after installation test of PTO.
7 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6619.
8 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

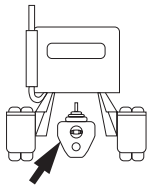
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T-1070[1], TRTXL-1070B, T-1070B, TRDL-1070, TRDLG-1070, TRTXL-1070[1]
Footnote (5)

PTO DRIVE GEAR DATA:
37T 6/8P 20° PA Spur
LOCATION: Rear **PLMF:** .389/1.423
PLV: 2158 FPM **RPM:** 1,355



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C2BX	2, 3, 4, 8	Opp	75				23M80248	20MK8808	Cable	285	54
	TG8S-X6805-C2BX	2, 3, 4, 8	Opp	98				23M80248	20MK8808	Cable	270	51
	TG8S-X6806-C2BX	2, 3, 4, 8	Opp	128				23M80248	20MK8808	Cable	245	47
	TG8S-X6807-C2BX	2, 3, 4, 8	Opp	151				23M80248	20MK8808	Cable	230	44
	TG8S-X6808-C2BX	2, 3, 4, 8	Opp	185				23M80248	20MK8808	Cable	230	44
	TG8S-X6809-C2BX	2, 3, 4, 8	Opp	193				23M80248	20MK8808	Cable	205	39
	TG8S-X6812-C2BH	2, 3, 4, 8	Opp	237				23M80248	20MK8808	Cable	210	40
	TG8S-X6813-C2BH	2, 3, 4, 8	Opp	270				23M80248	20MK8808	Cable	210	40
	TG8S-X6815-C2BH	2, 3, 4, 8	Opp	304				23M80248	20MK8808	Cable	195	37
	TG8S-X6818-C2BH	2, 3, 4, 8	Opp	360				23M80248	20MK8808	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL8S-U6805-L2BX	6, 9	Opp	114		114		23M80295	20MK8808	Lever	200	38
ADAPTER TO CHANGE ROTATION		7	40TU6886-2 + 23M80500+ 23M80248 + 20MK8816						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L2CX		Opp	70				23M80248	20MK8817	Lever	500	95
	828S-U6808-L2CX		Opp	111				23M80248	20MK8817	Lever	450	85
	828S-U6809-L2CX		Opp	137				23M80248	20MK8817	Lever	410	78
	828S-U6810-L2CX		Opp	147				23M80248	20MK8817	Lever	410	78
	828S-U6812-L2CX		Opp	170				23M80248	20MK8817	Lever	375	71
	828S-U6813-L2CX		Opp	197				23M80248	20MK8817	Lever	375	71
	828S-U6815-L2CX		Opp	214				23M80375	20MK8817	Lever	350	67
	828S-U6819-L2CX		Opp	264				23M80500	20MK8816	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, & 11)
- **SHIFT OPTIONS** (see pages 6, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, & 11)
- **OUTPUT SHAFT** (see pages 6, & 11)
- **SPECIAL OPTIONS** (see pages 6, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 IMPORTANT: This transmission also has a low range compound section. For PTO speeds in low range, multiply speed shown by .594. This is in addition to the reduction created by the lower gears.
2 The #2 assembly arrangement (Shaft High) is used to clear bulge in transmission case.
3 For direct mount pumps use TG8D-S68**-C2KX + 23M80375 + 23M80062 + 20MK8817, then multiply speed by .92.
4 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
5 Speed shown is with transmission in 5th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for 1st gear – .116, 2nd – .200, 3rd – .353, 4th – .603, 5th – 1.00.
6 RL Series with combined reduction gear box is not available in "2" assembly.
7 Change TG Series, and RL Series to 6-Bolt PTO housing (TG6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
8 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Change spacer to 23M80375+23M80062 and stud kit to 20MK8817.
9 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

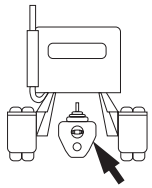
MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

T2050, T2060, T2070 (Front Box), T2070B, T2070F, T2080, T2080B (Front Box), T305, T306, T307 (Front Box), T307M (Front Box), T308, T308M (Front Box)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
54T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1826 FPM **RPM:** 837



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	1	Opp	62					Included	Cable	285	54
	TG6S-M6505-C1BX	1	Opp	81					Included	Cable	270	51
	TG6S-M6506-C1BX	1	Opp	106					Included	Cable	245	47
	TG6S-M6507-C1BX	1	Opp	126					Included	Cable	230	44
	TG6S-M6508-C1BX	1	Opp	153					Included	Cable	230	44
	TG6S-M6509-C1BX	1	Opp	160					Included	Cable	205	39
	TG6S-M6512-C1BH	1	Opp	196					Included	Cable	210	40
	TG6S-M6513-C1BH	1	Opp	224					Included	Cable	210	40
	TG6S-M6515-C1BH	1	Opp	252					Included	Cable	195	37
	TG6S-M6518-C1BH	1	Opp	299					Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	82					Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	121					Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	150					Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	199					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	75					Included	Power	300	57
	CS6S-M6505-E1BX		Opp	82					Included	Power	300	57
	CS6S-M6507-E1BX		Opp	121					Included	Power	300	57
	CS6S-M6509-E1BX		Opp	150					Included	Power	275	52
	CS6S-M6512-E1BX		Opp	199					Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	2, 3	Opp	46		46		23M60200S	20MK6602	Lever	200	38
	RL6D-M6505-L3BX	3	Opp	94		94		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TM6500 + 23M61500+ 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

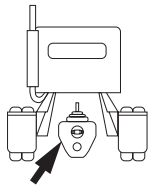
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T2050, T2060, T2070 (Front Box), T2070B, T2070F, T2080, T2080B (Front Box), T305, T306, T307 (Front Box), T307M (Front Box), T308, T308M (Front Box)

PTO DRIVE GEAR DATA:
54T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1826 FPM **RPM:** 837



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	1	Opp	62					Included	Cable	285	54
	TG8S-M6505-C3BX	1	Opp	81					Included	Cable	270	51
	TG8S-M6506-C3BX	1	Opp	106					Included	Cable	245	47
	TG8S-M6507-C3BX	1	Opp	126					Included	Cable	230	44
	TG8S-M6508-C3BX	1	Opp	153					Included	Cable	230	44
	TG8S-M6509-C3BX	1	Opp	160					Included	Cable	205	39
	TG8S-M6512-C3BH	1	Opp	196					Included	Cable	210	40
	TG8S-M6513-C3BH	1	Opp	224					Included	Cable	210	40
	TG8S-M6515-C3BH	1	Opp	252					Included	Cable	195	37
	TG8S-M6518-C3BH	1	Opp	299					Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	82					Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	121					Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	150					Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	199					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	75					Included	Power	300	57
	CS8S-M6505-E3BX		Opp	82					Included	Power	300	57
	CS8S-M6507-E3BX		Opp	121					Included	Power	300	57
	CS8S-M6509-E3BX		Opp	150					Included	Power	275	52
	CS8S-M6512-E3BX		Opp	199					Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	2, 4	Opp	46		46			Included	Lever	200	38
	RL8S-M6505-L3BX	4	Opp	94		94			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX	3	Opp	92					Included	Lever	450	85
	828S-M6510-L3CX	3	Opp	122					Included	Lever	410	78
	828S-M6513-L3CX	3	Opp	162					Included	Lever	375	71
	828S-M6519-L3CX	3	Opp	215				23M80190	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
2. RL Series with combined reduction gear box.
3. Interference with 82 and 83 Series and spring shackle on CH Series chassis with set-back front axle and Mack engine.
4. Do not use for continuous duty applications.

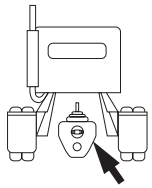
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** 1.055
PLV: 2069 FPM **RPM:** 1,025



T2070[1], T2070B[4], T2070C[4], T2070D[5], T2080B[4], T2080D[5], T307[1], T307M[4], T308M[4]
(This Page is for Rear Box Openings)
See Footnotes

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	2	Opp	69				23M60062S	Included	Cable	285	54
	TG6S-M6505-C1BX	2	Opp	90				23M60062S	Included	Cable	270	51
	TG6S-M6506-C1BX	2	Opp	117				23M60062S	Included	Cable	245	47
	TG6S-M6507-C1BX	2	Opp	138				23M60062S	Included	Cable	230	44
	TG6S-M6508-C1BX	2	Opp	170				23M60062S	Included	Cable	230	44
	TG6S-M6509-C1BX	2	Opp	177				23M60062S	Included	Cable	205	39
	TG6S-M6512-C1BH	2	Opp	217				23M60062S	Included	Cable	210	40
	TG6S-M6513-C1BH	2	Opp	247				23M60062S	Included	Cable	210	40
	TG6S-M6515-C1BH	2	Opp	279				23M60062S	Included	Cable	195	37
	TG6S-M6518-C1BH	2	Opp	331				23M60062S	Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	91				23M60062S	Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	134				23M60062S	Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	167				23M60062S	Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	222				23M60062S	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	84				23M60062S	Included	Power	300	57
	CS6S-M6505-E1BX		Opp	91				23M60062S	Included	Power	300	57
	CS6S-M6507-E1BX		Opp	134				23M60062S	Included	Power	300	57
	CS6S-M6509-E1BX		Opp	167				23M60062S	Included	Power	275	52
	CS6S-M6512-E1BX		Opp	222				23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	3, 6	Opp	51		51		23M60240S	20MK6604	Lever	200	38
	RL6D-M6505-L3BX	6	Opp	104		104		23M60240S	20MK6604	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TM6500 + 23M61500+ 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, & 8)
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. Speed shown is with transmission in 5th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for 1st gear – .114, 2nd – .196, 3rd – .343, 4th – .597, 5th – 1.00. Rotation of output shaft will be reversed by placing main transmission in reverse, use multiplier (.113).
2. TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
3. RL Series with combined reduction gear box.
4. PTO speed and rotation are the same as Footnote (1) except are not affected by reverse.
5. Multiply speeds shown by ratios listed in Footnote (1) except in 5th use .890.
6. Do not use for continuous duty applications.

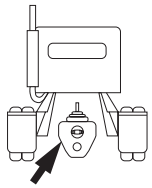
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** .667
PLV: 2069 FPM **RPM:** 1,025



T2070[1], T2070B[4], T2070C[4], T2070D[5], T2080B[4], T2080D[5], T307[1], T307M[4], T308M[4]
(This Page is for Rear Box Openings)
See Footnotes

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	2	Opp	69				23M80062	Included	Cable	285	54
	TG8S-M6505-C3BX	2	Opp	90				23M80062	Included	Cable	270	51
	TG8S-M6506-C3BX	2	Opp	117				23M80062	Included	Cable	245	47
	TG8S-M6507-C3BX	2	Opp	138				23M80062	Included	Cable	230	44
	TG8S-M6508-C3BX	2	Opp	170				23M80062	Included	Cable	230	44
	TG8S-M6509-C3BX	2	Opp	177				23M80062	Included	Cable	205	39
	TG8S-M6512-C3BH	2	Opp	217				23M80062	Included	Cable	210	40
	TG8S-M6513-C3BH	2	Opp	247				23M80062	Included	Cable	210	40
	TG8S-M6515-C3BH	2	Opp	279				23M80062	Included	Cable	195	37
	TG8S-M6518-C3BH	2	Opp	331				23M80062	Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	91				23M80062	Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	134				23M80062	Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	167				23M80062	Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	222				23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	84				23M80062	Included	Power	300	57
	CS8S-M6505-E3BX		Opp	91				23M80062	Included	Power	300	57
	CS8S-M6507-E3BX		Opp	134				23M80062	Included	Power	300	57
	CS8S-M6509-E3BX		Opp	167				23M80062	Included	Power	275	52
	CS8S-M6512-E3BX		Opp	222				23M80062	Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	3, 6	Opp	51		51		23M80062	Included	Lever	200	38
	RL8S-M6505-L3BX	6	Opp	94		94		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX		Opp	101				23M80062	Included	Lever	450	85
	828S-M6510-L3CX		Opp	135				23M80062	Included	Lever	410	78
	828S-M6513-L3CX		Opp	180				23M80062	Included	Lever	375	71
	828S-M6519-L3CX		Opp	238				23M80248	20MK8814	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speed shown is with transmission in 5th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for 1st gear – .114, 2nd – .196, 3rd – .343, 4th – .597, 5th – 1.00. Rotation of output shaft will be reversed by placing main transmission in reverse, use multiplier (.113).
2 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
3 RL Series with combined reduction gear box.
4 PTO speed and rotation are the same as Footnote (1) except are not affected by reverse.
5 Multiply speeds shown by ratios listed in Footnote (1) except 5th use .890.
6 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

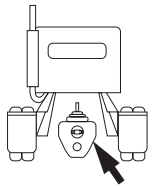
MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

T2090, T2130, T2130B, T2180, T2180B, TM308M, T309, T309L, T309LR, TM309M, T310MLR, T313, T313L, T31321, T313L21, T313LR, T313LR21, T318, T318L, T31821, T318L21, T318LR, T318LR21
(This Page is for Front Box Openings)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
54T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1532 FPM **RPM:** 702



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	1	Opp	52					Included	Cable	285	54
	TG6S-M6505-C1BX	1	Opp	68					Included	Cable	270	51
	TG6S-M6506-C1BX	1	Opp	89					Included	Cable	245	47
	TG6S-M6507-C1BX	1	Opp	106					Included	Cable	230	44
	TG6S-M6508-C1BX	1	Opp	129					Included	Cable	230	44
	TG6S-M6509-C1BX	1	Opp	135					Included	Cable	205	39
	TG6S-M6512-C1BH	1	Opp	166					Included	Cable	210	40
	TG6S-M6513-C1BH	1	Opp	189					Included	Cable	210	40
	TG6S-M6515-C1BH	1	Opp	213					Included	Cable	195	37
	TG6S-M6518-C1BH	1	Opp	251					Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	69					Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	101					Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	126					Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	167					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	63					Included	Power	300	57
	CS6S-M6505-E1BX		Opp	69					Included	Power	300	57
	CS6S-M6507-E1BX		Opp	101					Included	Power	300	57
	CS6S-M6509-E1BX		Opp	126					Included	Power	275	52
	CS6S-M6512-E1BX		Opp	167					Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	2, 4	Opp	39		39		23M60200S	20MK6602	Lever	200	38
	RL6D-M6505-L3BX	4	Opp	79		79		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TM6500 + 23M61500+ 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages
- **SHIFT OPTIONS** 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Possible interference with spring hanger on vehicles with set back front axles.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

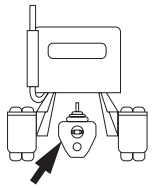
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

T2090, T2130, T2130B, T2180, T2180B, TM308M, T309, T309L, T309LR, TM309M, T310MLR, T313, T313L, T31321, T313L21, T313LR, T313LR21, T318, T318L, T31821, T318L21, T318LR, T318LR21
(This Page is for Front Box Openings)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
54T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1532 FPM **RPM:** 702



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	1	Opp	52					Included	Cable	285	54
	TG8S-M6505-C3BX	1	Opp	68					Included	Cable	270	51
	TG8S-M6506-C3BX	1	Opp	89					Included	Cable	245	47
	TG8S-M6507-C3BX	1	Opp	106					Included	Cable	230	44
	TG8S-M6508-C3BX	1	Opp	129					Included	Cable	230	44
	TG8S-M6509-C3BX	1	Opp	135					Included	Cable	205	39
	TG8S-M6512-C3BH	1	Opp	166					Included	Cable	210	40
	TG8S-M6513-C3BH	1	Opp	189					Included	Cable	210	40
	TG8S-M6515-C3BH	1	Opp	213					Included	Cable	195	37
	TG8S-M6518-C3BH	1	Opp	251					Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	69					Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	101					Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	126					Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	167					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	63					Included	Power	300	57
	CS8S-M6505-E3BX		Opp	69					Included	Power	300	57
	CS8S-M6507-E3BX		Opp	101					Included	Power	300	57
	CS8S-M6509-E3BX		Opp	126					Included	Power	275	52
	CS8S-M6512-E3BX		Opp	167					Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	2, 4	Opp	39		39			Included	Lever	200	38
	RL8S-M6505-L3BX	4	Opp	79		79			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX	3	Opp	77					Included	Lever	450	85
	828S-M6510-L3CX	3	Opp	102					Included	Lever	410	78
	828S-M6513-L3CX	3	Opp	136					Included	Lever	375	71
	828S-M6519-L3CX	3	Opp	181				23M80190	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Interference with 82 and 83 Series and spring shackle on CH Series chassis with set-back front axle and Mack engine.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

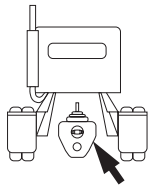
MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

T2100
T2110B (FRONT BOX)

PTO DRIVE GEAR DATA:
54T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1422 FPM **RPM:** 652



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	1	Opp	49					Included	Cable	285	54
	TG6S-M6505-C1BX	1	Opp	63					Included	Cable	270	51
	TG6S-M6506-C1BX	1	Opp	83					Included	Cable	245	47
	TG6S-M6507-C1BX	1	Opp	98					Included	Cable	230	44
	TG6S-M6508-C1BX	1	Opp	120					Included	Cable	230	44
	TG6S-M6509-C1BX	1	Opp	125					Included	Cable	205	39
	TG6S-M6512-C1BH	1	Opp	154					Included	Cable	210	40
	TG6S-M6513-C1BH	1	Opp	175					Included	Cable	210	40
	TG6S-M6515-C1BH	1	Opp	197					Included	Cable	195	37
	TG6S-M6518-C1BH	1	Opp	233					Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	64					Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	94					Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	117					Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	155					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	58					Included	Power	300	57
	CS6S-M6505-E1BX		Opp	64					Included	Power	300	57
	CS6S-M6507-E1BX		Opp	94					Included	Power	300	57
	CS6S-M6509-E1BX		Opp	117					Included	Power	275	52
	CS6S-M6512-E1BX		Opp	155					Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	2, 3	Opp	36		36		23M60200S	20MK6602	Lever	200	38
	RL6D-M6505-L3BX	3	Opp	73		73		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TM6500 + 23M61500+ 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

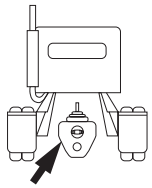
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T2100
T2110B (FRONT BOX)

PTO DRIVE GEAR DATA:
54T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1422 FPM **RPM:** 652



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	1	Opp	49					Included	Cable	285	54
	TG8S-M6505-C3BX	1	Opp	63					Included	Cable	270	51
	TG8S-M6506-C3BX	1	Opp	83					Included	Cable	245	47
	TG8S-M6507-C3BX	1	Opp	98					Included	Cable	230	44
	TG8S-M6508-C3BX	1	Opp	120					Included	Cable	230	44
	TG8S-M6509-C3BX	1	Opp	125					Included	Cable	205	39
	TG8S-M6512-C3BH	1	Opp	154					Included	Cable	210	40
	TG8S-M6513-C3BH	1	Opp	175					Included	Cable	210	40
	TG8S-M6515-C3BH	1	Opp	197					Included	Cable	195	37
	TG8S-M6518-C3BH	1	Opp	233					Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	64					Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	94					Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	117					Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	155					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	58					Included	Power	300	57
	CS8S-M6505-E3BX		Opp	64					Included	Power	300	57
	CS8S-M6507-E3BX		Opp	94					Included	Power	300	57
	CS8S-M6509-E3BX		Opp	117					Included	Power	275	52
	CS8S-M6512-E3BX		Opp	155					Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	2, 4	Opp	36		36			Included	Lever	200	38
	RL8S-M6505-L3BX	4	Opp	73		73			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX	3	Opp	72					Included	Lever	450	85
	828S-M6510-L3CX	3	Opp	95					Included	Lever	410	78
	828S-M6513-L3CX	3	Opp	127					Included	Lever	375	71
	828S-M6519-L3CX	3	Opp	168				23M80190	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

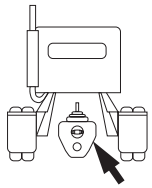
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
2. RL Series with combined reduction gear box.
3. Interference with 82 and 83 Series and spring shackle on CH Series chassis with set-back front axle and Mack engine.
4. Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



T2130, T2130B, T2180, T2180B
(This Page is for Rear Box Openings)
Footnotes (1, 2, & 5)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** 1.055
PLV: 1480 FPM **RPM:** 730

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	3	Opp	50				23M60062S	Included	Cable	285	54
	TG6S-M6505-C1BX	3	Opp	65				23M60062S	Included	Cable	270	51
	TG6S-M6506-C1BX	3	Opp	84				23M60062S	Included	Cable	245	47
	TG6S-M6507-C1BX	3	Opp	99				23M60062S	Included	Cable	230	44
	TG6S-M6508-C1BX	3	Opp	122				23M60062S	Included	Cable	230	44
	TG6S-M6509-C1BX	3	Opp	127				23M60062S	Included	Cable	205	39
	TG6S-M6512-C1BH	3	Opp	156				23M60062S	Included	Cable	210	40
	TG6S-M6513-C1BH	3	Opp	178				23M60062S	Included	Cable	210	40
	TG6S-M6515-C1BH	3	Opp	200				23M60062S	Included	Cable	195	37
	TG6S-M6518-C1BH	3	Opp	237				23M60062S	Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	65				23M60062S	Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	95				23M60062S	Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	119				23M60062S	Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	158				23M60062S	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	59				23M60062S	Included	Power	300	57
	CS6S-M6505-E1BX		Opp	69				23M60062S	Included	Power	300	57
	CS6S-M6507-E1BX		Opp	95				23M60062S	Included	Power	300	57
	CS6S-M6509-E1BX		Opp	119				23M60062S	Included	Power	275	52
	CS6S-M6512-E1BX		Opp	158				23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	4, 6	Opp	37		37		23M60240S	20MK6603	Lever	200	38
	RL6D-M6505-L3BX	6	Opp	75		75		23M60240S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TM6500 + 23M61500+ 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear – .233, 1st – .370, 2nd – .507, 3rd – .712, 4th – 1.00. Rotation of output shaft will be reversed by placing main transmission in reverse, use multiplier (.109), (T2130B and T2180B – .245).
2. Speed shown is with splitter in Lo Range. For high range multiply final ratio x 1.18.
3. TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
4. RL Series with combined reduction gear box.
5. Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for pump.
6. Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

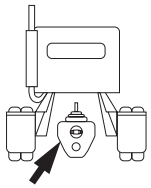
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T2130, T2130B, T2180, T2180B
(This Page is for Rear Box Openings)
Footnotes (1, 2, & 5)

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** .667
PLV: 1480 FPM **RPM:** 730



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	3	Opp	50				23M80062	Included	Cable	285	54
	TG8S-M6505-C3BX	3	Opp	65				23M80062	Included	Cable	270	51
	TG8S-M6506-C3BX	3	Opp	84				23M80062	Included	Cable	245	47
	TG8S-M6507-C3BX	3	Opp	99				23M80062	Included	Cable	230	44
	TG8S-M6508-C3BX	3	Opp	122				23M80062	Included	Cable	230	44
	TG8S-M6509-C3BX	3	Opp	127				23M80062	Included	Cable	205	39
	TG8S-M6512-C3BH	3	Opp	156				23M80062	Included	Cable	210	40
	TG8S-M6513-C3BH	3	Opp	178				23M80062	Included	Cable	210	40
	TG8S-M6515-C3BH	3	Opp	200				23M80062	Included	Cable	195	37
	TG8S-M6518-C3BH	3	Opp	237				23M80062	Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	65				23M80062	Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	95				23M80062	Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	119				23M80062	Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	158				23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	59				23M80062	Included	Power	300	57
	CS8S-M6505-E3BX		Opp	69				23M80062	Included	Power	300	57
	CS8S-M6507-E3BX		Opp	95				23M80062	Included	Power	300	57
	CS8S-M6509-E3BX		Opp	119				23M80062	Included	Power	275	52
	CS8S-M6512-E3BX		Opp	158				23M80062	Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	4, 6	Opp	37		37		23M80062	Included	Lever	200	38
	RL8S-M6505-L3BX	6	Opp	75		75		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX		Opp	73				23M80062	Included	Lever	450	85
	828S-M6510-L3CX		Opp	97				23M80062	Included	Lever	410	78
	828S-M6513-L3CX		Opp	129				23M80062	Included	Lever	375	71
	828S-M6519-L3CX		Opp	170				23M80248	20MK8814	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear – .233, 1st – .370, 2nd – .507, 3rd – .712, 4th – 1.00. Rotation of output shaft will be reversed by placing main transmission in reverse, use multiplier (.109), (T2130B and T2180B – .245).
2 Speed shown is with splitter in Lo Range. For high range multiply final ratio x 1.18.
3 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
4 RL Series with combined reduction gear box.
5 Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for pump.
6 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

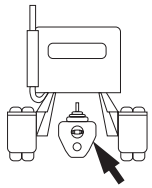
MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

T2060C, T2070C, T2070D, T2080C, T2080D (Front Box)

PTO DRIVE GEAR DATA:
48T 6P 20° Spur
LOCATION: Front **PLMF:** 1.252
PLV: 1753 FPM **RPM:** 837



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6804-C1BX	1	Opp	56					Included	Cable	285	54
	TG6D-S6805-C1BX	1	Opp	73					Included	Cable	270	51
	TG6D-S6806-C1BX	1	Opp	94					Included	Cable	245	47
	TG6D-S6807-C1BX	1	Opp	111					Included	Cable	230	44
	TG6D-S6808-C1BX	1	Opp	136					Included	Cable	230	44
	TG6D-S6809-C1BX	1	Opp	142					Included	Cable	205	39
	TG6D-S6812-C1BH	1	Opp	174					Included	Cable	210	40
	TG6D-S6813-C1BH	1	Opp	199					Included	Cable	210	40
	TG6D-S6815-C1BH	1	Opp	223					Included	Cable	195	37
	TG6D-S6818-C1BH	1	Opp	266					Included	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Crnk	79			40TU6800	23M61500 + 23M60270	20MK6629	Elec/Air	400	76
	SH6D-S6807-E1BX		Opp	107					Included	Elec/Air	400	76
	SH6D-S6809-E1BX		Opp	133					Included	Elec/Air	375	71
	SH6D-S6812-E1BX		Opp	177					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Crnk	79			40TU6800	23M61500 + 23M60270	20MK6629	Power	300	57
	CS6D-S6807-E1BX		Opp	107					Included	Power	300	57
	CS6D-S6809-E1BX		Opp	133					Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	3	Opp	45		45			Included	Lever	200	38
	RL6D-U6805-L3BX	3	Opp	91		91			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6800 + 23M61500+ 23M60270 + 20MK6629						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, & 8)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 82)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T94243 — Refer to kit program on pages 27-29.
2 Change TG Series to TG6S-U68 input gear. 23M60200S + 20MK6631 required for RL on PTO side of adapter.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

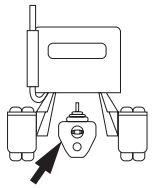
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T2060C, T2070C, T2070D, T2080C, T2080D (Front Box)

PTO DRIVE GEAR DATA:
48T 6P 20° Spur
LOCATION: Front **PLMF:** .977
PLV: 1753 FPM **RPM:** 837



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8D-S6804-C3BX	1	Opp	56					Included	Cable	285	54
	TG8D-S6805-C3BX	1	Opp	73					Included	Cable	270	51
	TG8D-S6806-C3BX	1	Opp	94					Included	Cable	245	47
	TG8D-S6807-C3BX	1	Opp	111					Included	Cable	230	44
	TG8D-S6808-C3BX	1	Opp	136					Included	Cable	230	44
	TG8D-S6809-C3BX	1	Opp	142					Included	Cable	205	39
	TG8D-S6812-C3BH	1	Opp	174					Included	Cable	210	40
	TG8D-S6813-C3BH	1	Opp	199					Included	Cable	210	40
	TG8D-S6815-C3BH	1	Opp	223					Included	Cable	195	37
	TG8D-S6818-C3BH	1	Opp	266					Included	Cable	175	33
SH SERIES	SH6S-U6005-E3BX		Crnk	79			40TU6886-1	23M80375	20MK8817	Elec/Air	400	76
	SH8D-S6807-E3BX		Opp	107					Included	Elec/Air	400	76
	SH8D-S6809-E3BX		Opp	133					Included	Elec/Air	375	71
	SH8D-S6812-E3BX		Opp	177					Included	Elec/Air	325	62
	SH8D-S6813-E3BX		Opp	205					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E3BX		Crnk	79			40TU6886-1	23M80375	20MK8817	Power	300	57
	CS8D-S6807-E3BX		Opp	107					Included	Power	300	57
	CS8D-S6809-E3BX		Opp	133					Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	3	Opp	45		45	29MK8248		Included	Lever	200	38
	RL6D-U6805-L3BX	3	Opp	91		91	29MK8248		Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80375 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, & 8)
- **SHIFT OPTIONS**
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T94243 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series and SH Series to 6-Bolt PTO housing (TG6S, CS6S, and SH6S respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

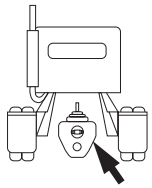
MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

T2060A, T306G
Footnote (4)

PTO DRIVE GEAR DATA:
40T 6.56P 20° PA Spur
LOCATION: Front **PLMF:** 2.203
PLV: 1.065 FPM **RPM:** 667



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6804-C2BX	1, 2, 3	Crnk	34			40TM6616-1		Included	Cable	285	54
	TG6D-S6805-C2BX	1, 2, 3	Crnk	44			40TM6616-1		Included	Cable	270	51
	TG6D-S6806-C2BX	1, 2, 3	Crnk	58			40TM6616-1		Included	Cable	245	47
	TG6D-S6807-C2BX	1, 2, 3	Crnk	68			40TM6616-1		Included	Cable	230	44
	TG6D-S6808-C2BX	1, 2, 3	Crnk	84			40TM6616-1		Included	Cable	230	44
	TG6D-S6809-C2BX	1, 2, 3	Crnk	87			40TM6616-1		Included	Cable	205	39
	TG6D-S6812-C2BH	1, 2, 3	Crnk	107			40TM6616-1		Included	Cable	210	40
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	2, 5	Crnk	56		56	40TM6616-1		Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T94243 — Refer to kit program on pages 27-29.
2 23M60165S Included for mount of adapter to transmission.
3 Support all direct mounted pumps with adequate bracket.
4 Gear interference on PTO ratios higher than the 12 ratio.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

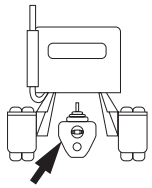
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T2060A, T306G
Footnote (4)

PTO DRIVE GEAR DATA:
40T 6.56P 20° PA Spur
LOCATION: Front **PLMF:** 1.934
PLV: 1,065 FPM **RPM:** 667



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C4BX	1, 3, 6	Crnk	38			40TM6628-2		Included	Cable	285	54
	TG8S-U6805-C4BX	1, 3, 6	Crnk	49			40TM6628-2		Included	Cable	270	51
	TG8S-U6806-C4BX	1, 3, 6	Crnk	64			40TM6628-2		Included	Cable	245	47
	TG8S-U6807-C4BX	1, 3, 6	Crnk	75			40TM6628-2		Included	Cable	230	44
	TG8S-U6808-C4BX	1, 3, 6	Crnk	92			40TM6628-2		Included	Cable	230	44
	TG8S-U6809-C4BX	1, 3, 6	Crnk	96			40TM6628-2		Included	Cable	205	39
	TG8D-S6812-C4BH	3, 5	Crnk	109			40TM6628-2	23M80190	20MK8808	Cable	210	40
	TG8D-S6813-C4BH	3, 5	Crnk	123			40TM6628-2	23M80190	20MK8808	Cable	210	40
	TG8D-S6815-C4BH	3, 5	Crnk	140			40TM6628-2	23M80190	20MK8808	Cable	195	37
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL8S-U6805-L2BX	7	Crnk	57		57	40TM6628-2		Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L4CX	3	Crnk	35			40TM6628-2		Included	Lever	500	95
	828S-U6808-L4CX	3	Crnk	55			40TM6628-2		Included	Lever	450	85
	828S-U6809-L4CX	3	Crnk	72			40TM6628-2		Included	Lever	410	78
	828S-U6810-L4CX	3	Crnk	74			40TM6628-2		Included	Lever	410	78
	828S-U6812-L4CX	3	Crnk	90			40TM6628-2		Included	Lever	375	71
	828S-U6819-L4CX	3	Crnk	132			40TM6628-2	23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 11)
- **OUTPUT SHAFT** (see pages 6 & 11)
- **SPECIAL OPTIONS** (see pages 6 & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2. RG Series requires 29MK8460 adapter plate.
3. Support all direct mounted pumps with adequate bracket.
4. Gear interference on TG ratios higher than 15, and on the 828S-U6813 & 838S-U6812.
5. TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
6. Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
7. Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

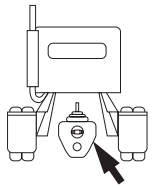
MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

T2110B (REAR BOX)
Footnotes (1 & 4)

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** 1.055
PLV: 1308 FPM **RPM:** 612



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	2	Opp	42				23M60062S	Included	Cable	285	54
	TG6S-M6505-C1BX	2	Opp	54				23M60062S	Included	Cable	270	51
	TG6S-M6506-C1BX	2	Opp	70				23M60062S	Included	Cable	245	47
	TG6S-M6507-C1BX	2	Opp	83				23M60062S	Included	Cable	230	44
	TG6S-M6508-C1BX	2	Opp	102				23M60062S	Included	Cable	230	44
	TG6S-M6509-C1BX	2	Opp	106				23M60062S	Included	Cable	205	39
	TG6S-M6512-C1BH	2	Opp	130				23M60062S	Included	Cable	210	40
	TG6S-M6513-C1BH	2	Opp	148				23M60062S	Included	Cable	210	40
	TG6S-M6515-C1BH	2	Opp	167				23M60062S	Included	Cable	195	37
	TG6S-M6518-C1BH	2	Opp	198				23M60062S	Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	54				23M60062S	Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	81				23M60062S	Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	100				23M60062S	Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	133				23M60062S	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	51				23M60062S	Included	Power	300	57
	CS6S-M6505-E1BX		Opp	54				23M60062S	Included	Power	300	57
	CS6S-M6507-E1BX		Opp	81				23M60062S	Included	Power	300	57
	CS6S-M6509-E1BX		Opp	100				23M60062S	Included	Power	275	52
	CS6S-M6512-E1BX		Opp	133				23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	3, 5	Opp	30		30		23M60240S	20MK6603	Lever	200	38
	RL6D-M6505-L1BX	5	Opp	62		62		23M60240S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TM6500 + 23M61500 + 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .26, 1st -.45, 2nd - .59, 3rd - .77, 4th - 1.00, 5th - 1.30. The neutral select is a covered switch located on the dash, and is needed for stationary operation.
2. TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
3. RL Series with combined reduction gear box.
4. Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for oil pump.
5. Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

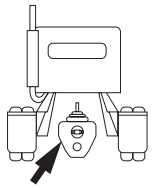
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T2110B (REAR BOX)
Footnotes (1 & 4)

PTO DRIVE GEAR DATA:
34T 6P 20° PA Spur
LOCATION: Front **PLMF:** .667
PLV: 1308 FPM **RPM:** 612



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	2	Opp	42				23M80062	Included	Cable	285	54
	TG8S-M6505-C3BX	2	Opp	54				23M80062	Included	Cable	270	51
	TG8S-M6506-C3BX	2	Opp	70				23M80062	Included	Cable	245	47
	TG8S-M6507-C3BX	2	Opp	83				23M80062	Included	Cable	230	44
	TG8S-M6508-C3BX	2	Opp	102				23M80062	Included	Cable	230	44
	TG8S-M6509-C3BX	2	Opp	106				23M80062	Included	Cable	205	39
	TG8S-M6512-C3BH	2	Opp	130				23M80062	Included	Cable	210	40
	TG8S-M6513-C3BH	2	Opp	148				23M80062	Included	Cable	210	40
	TG8S-M6515-C3BH	2	Opp	167				23M80062	Included	Cable	195	37
	TG8S-M6518-C3BH	2	Opp	198				23M80062	Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	54				23M80062	Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	81				23M80062	Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	100				23M80062	Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	133				23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	51				23M80062	Included	Power	300	57
	CS8S-M6505-E3BX		Opp	54				23M80062	Included	Power	300	57
	CS8S-M6507-E3BX		Opp	81				23M80062	Included	Power	300	57
	CS8S-M6509-E3BX		Opp	100				23M80062	Included	Power	275	52
	CS8S-M6512-E3BX		Opp	133				23M80062	Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	3, 5	Opp	30		30		23M80062	Included	Lever	200	38
	RL8S-M6505-L1BX	5	Opp	62		62		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX		Opp	72				23M80062	Included	Lever	450	85
	828S-M6510-L3CX		Opp	95				23M80062	Included	Lever	410	78
	828S-M6513-L3CX		Opp	127				23M80062	Included	Lever	375	71
	828S-M6519-L3CX		Opp	168				23M80248	20MK8814	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

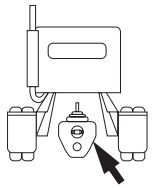
FOOTNOTES:
1. Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .26, 1st - .45, 2nd - .59, 3rd - .77, 4th - 1.00, 5th - 1.30. The neutral select is a covered switch located on the dash, and is needed for stationary operation.
2. TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
3. RL Series with combined reduction gear box.
4. Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for oil pump.
5. Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



T310, T310M, T310ME (21), T310MLR
(This Page is for Front Box Openings)

PTO DRIVE GEAR DATA:
53T 6.45P 17.5° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1503 FPM **RPM:** 702

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	1	Opp	52					Included	Cable	285	54
	TG6S-M6505-C1BX	1	Opp	67					Included	Cable	270	51
	TG6S-M6506-C1BX	1	Opp	87					Included	Cable	245	47
	TG6S-M6507-C1BX	1	Opp	103					Included	Cable	230	44
	TG6S-M6508-C1BX	1	Opp	127					Included	Cable	230	44
	TG6S-M6509-C1BX	1	Opp	132					Included	Cable	205	39
	TG6S-M6512-C1BH	1	Opp	162					Included	Cable	210	40
	TG6S-M6513-C1BH	1	Opp	191					Included	Cable	210	40
	TG6S-M6515-C1BH	1	Opp	207					Included	Cable	195	37
	TG6S-M6518-C1BH	1	Opp	246					Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	68					Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	100					Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	124					Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	165					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	62					Included	Power	300	57
	CS6S-M6505-E1BX		Opp	68					Included	Power	300	57
	CS6S-M6507-E1BX		Opp	100					Included	Power	300	57
	CS6S-M6509-E1BX		Opp	124					Included	Power	275	52
	CS6S-M6512-E1BX		Opp	165					Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	2, 3	Opp	38		38		23M60200S	20MK6602	Lever	200	38
	RL6D-M6505-L3BX	3	Opp	78		78		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TM6500 + 23M61500 + 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

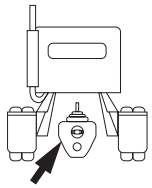
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T310, T310M, T310ME (21), T310MLR
(This Page is for Front Box Openings)

PTO DRIVE GEAR DATA:
53T 6.45P 17.5° PA Spur
LOCATION: Front **PLMF:** .81
PLV: 1503 FPM **RPM:** 702



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	1	Opp	52					Included	Cable	285	54
	TG8S-M6505-C3BX	1	Opp	67					Included	Cable	270	51
	TG8S-M6506-C3BX	1	Opp	87					Included	Cable	245	47
	TG8S-M6507-C3BX	1	Opp	103					Included	Cable	230	44
	TG8S-M6508-C3BX	1	Opp	127					Included	Cable	230	44
	TG8S-M6509-C3BX	1	Opp	132					Included	Cable	205	39
	TG8S-M6512-C3BH	1	Opp	162					Included	Cable	210	40
	TG8S-M6513-C3BH	1	Opp	191					Included	Cable	210	40
	TG8S-M6515-C3BH	1	Opp	207					Included	Cable	195	37
	TG8S-M6518-C3BH	1	Opp	246					Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	68					Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	100					Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	124					Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	165					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	62					Included	Power	300	57
	CS8S-M6505-E3BX		Opp	68					Included	Power	300	57
	CS8S-M6507-E3BX		Opp	100					Included	Power	300	57
	CS8S-M6509-E3BX		Opp	124					Included	Power	275	52
	CS8S-M6512-E3BX		Opp	165					Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	2, 4	Opp	38		38			Included	Lever	200	38
	RL8S-M6505-L3BX	4	Opp	78		78			Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX	3	Opp	75					Included	Lever	450	85
	828S-M6510-L3CX	3	Opp	101					Included	Lever	410	78
	828S-M6513-L3CX	3	Opp	134					Included	Lever	375	71
	828S-M6519-L3CX	3	Opp	181				23M80190	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
2. RL Series with combined reduction gear box.
3. Interference with 82 and 83 Series and spring shackle on chassis with set-back front axle and Mack engine.
4. Do not use for continuous duty applications.

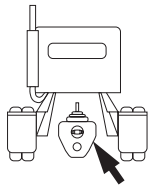
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** 1.055
PLV: 1480 FPM **RPM:** 730



T313L[2], T313L21[2], T318L[2], T318L21[2], T313LR[3], T313LR21[3], T318LR[3], T318LR21[3]
(This Page is for Rear Box Openings)
Footnotes (1, 2, 3, 4, & 7)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	5	Opp	50				23M60062S	Included	Cable	285	54
	TG6S-M6505-C1BX	5	Opp	65				23M60062S	Included	Cable	270	51
	TG6S-M6506-C1BX	5	Opp	84				23M60062S	Included	Cable	245	47
	TG6S-M6507-C1BX	5	Opp	99				23M60062S	Included	Cable	230	44
	TG6S-M6508-C1BX	5	Opp	122				23M60062S	Included	Cable	230	44
	TG6S-M6509-C1BX	5	Opp	127				23M60062S	Included	Cable	205	39
	TG6S-M6512-C1BH	5	Opp	156				23M60062S	Included	Cable	210	40
	TG6S-M6513-C1BH	5	Opp	178				23M60062S	Included	Cable	210	40
	TG6S-M6515-C1BH	5	Opp	200				23M60062S	Included	Cable	195	37
	TG6S-M6518-C1BH	5	Opp	237				23M60062S	Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	65				23M60062S	Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	95				23M60062S	Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	119				23M60062S	Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	158				23M60062S	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	59				23M60062S	Included	Power	300	57
	CS6S-M6505-E1BX		Opp	65				23M60062S	Included	Power	300	57
	CS6S-M6507-E1BX		Opp	95				23M60062S	Included	Power	300	57
	CS6S-M6509-E1BX		Opp	119				23M60062S	Included	Power	275	52
	CS6S-M6512-E1BX		Opp	158				23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	6, 8	Opp	37		37		23M60240S	20MK6603	Lever	200	38
	RL6D-M6505-L3BX	8	Opp	75		75		23M60240S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TM6500 + 23M61500 + 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B XX

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- XX — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 All Models – Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .20, 1st - .37, 2nd - .51, 3rd - .71, 4th - 1.00. Rotation of output shaft will be reversed by placing main transmission in reverse. The neutral select is a covered switch located on the dash, and is needed for stationary operation. This is an upgraded option for PTO use. Use main box for PTO if option not included.
2 Model # T313L, T313L21, T318L, T318L21 use .20 for reverse.
3 Model # T313LR, T313LR21, T318LR, T318LR21 use multiplier .11 for reverse.
4 Speed shown is with splitter in Lo Range. For high range multiply final ratio (from note 1) x 1.18.
5 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
6 RL Series with combined reduction gear box.
7 Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for oil pump.
8 Do not use for continuous duty applications.

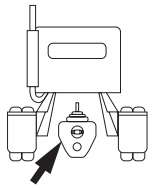
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** .667
PLV: 1480 FPM **RPM:** 730



T313L[2], T313L21[2], T318L[2], T318L21[2], T313LR[3], T313LR21[3], T318LR[3], T318LR21[3]
(This Page is for Rear Box Openings)
Footnotes (1, 2, 3, 4, & 7)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	5	Opp	50				23M80062	Included	Cable	285	54
	TG8S-M6505-C3BX	5	Opp	65				23M80062	Included	Cable	270	51
	TG8S-M6506-C3BX	5	Opp	84				23M80062	Included	Cable	245	47
	TG8S-M6507-C3BX	5	Opp	99				23M80062	Included	Cable	230	44
	TG8S-M6508-C3BX	5	Opp	122				23M80062	Included	Cable	230	44
	TG8S-M6509-C3BX	5	Opp	127				23M80062	Included	Cable	205	39
	TG8S-M6512-C3BH	5	Opp	156				23M80062	Included	Cable	210	40
	TG8S-M6513-C3BH	5	Opp	178				23M80062	Included	Cable	210	40
	TG8S-M6515-C3BH	5	Opp	200				23M80062	Included	Cable	195	37
	TG8S-M6518-C3BH	5	Opp	237				23M80062	Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	65				23M80062	Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	95				23M80062	Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	119				23M80062	Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	158				23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	59				23M80062	Included	Power	300	57
	CS8S-M6505-E3BX		Opp	65				23M80062	Included	Power	300	57
	CS8S-M6507-E3BX		Opp	95				23M80062	Included	Power	300	57
	CS8S-M6509-E3BX		Opp	119				23M80062	Included	Power	275	52
	CS8S-M6512-E3BX		Opp	158				23M80062	Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	6, 8	Opp	37		37		23M80062	Included	Lever	200	38
	RL8S-M6505-L3BX	8	Opp	75		75		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX		Opp	73				23M80062	Included	Lever	450	85
	828S-M6510-L3CX		Opp	97				23M80062	Included	Lever	410	78
	828S-M6513-L3CX		Opp	129				23M80062	Included	Lever	375	71
	828S-M6519-L3CX		Opp	170				23M80248	20MK8814	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

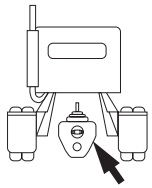
1 All Models – Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .20, 1st - .37, 2nd - .51, 3rd - .71, 4th - 1.00. Rotation of output shaft will be reversed by placing main transmission in reverse. The neutral select is a covered switch located on the dash, and is needed for stationary operation. This is an "upgraded option for PTO use. Use main box for PTO if option not included.
2 Model # T313L, T313L21, T318L, T318L21 use .20 for reverse.
3 Model # T313LR, T313LR21, T318LR, T318LR21 use multiplier .11 for reverse.
4 Speed shown is with splitter in Lo Range. For high range multiply final ratio (from note 1) x 1.18.
5 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
6 RL Series with combined reduction gear box.
7 Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for oil pump.
8 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



T310M[1], T310ME (21), T310MLR[2]
(This Page is for Rear Box Openings)
Footnotes (3 & 6)

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** 1.055
PLV: 1308 FPM **RPM:** 612

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	4	Opp	42				23M60062S	Included	Cable	285	54
	TG6S-M6505-C1BX	4	Opp	54				23M60062S	Included	Cable	270	51
	TG6S-M6506-C1BX	4	Opp	70				23M60062S	Included	Cable	245	47
	TG6S-M6507-C1BX	4	Opp	83				23M60062S	Included	Cable	230	44
	TG6S-M6508-C1BX	4	Opp	102				23M60062S	Included	Cable	230	44
	TG6S-M6509-C1BX	4	Opp	106				23M60062S	Included	Cable	205	39
	TG6S-M6512-C1BH	4	Opp	130				23M60062S	Included	Cable	210	40
	TG6S-M6513-C1BH	4	Opp	148				23M60062S	Included	Cable	210	40
	TG6S-M6515-C1BH	4	Opp	167				23M60062S	Included	Cable	195	37
	TG6S-M6518-C1BH	4	Opp	198				23M60062S	Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	54				23M60062S	Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	81				23M60062S	Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	100				23M60062S	Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	133				23M60062S	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	51				23M60062S	Included	Power	300	57
	CS6S-M6505-E1BX		Opp	54				23M60062S	Included	Power	300	57
	CS6S-M6507-E1BX		Opp	81				23M60062S	Included	Power	300	57
	CS6S-M6509-E1BX		Opp	100				23M60062S	Included	Power	275	52
	CS6S-M6512-E1BX		Opp	133				23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	6, 7	Opp	30		30		23M60240S	20MK6603	Lever	200	38
	RL6D-M6505-L3BX	7	Opp	62		62		23M60240S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TM6500 + 23M61500 + 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 T310M – Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .22, 1st - .34, 2nd - .52, 3rd - .72, 4th - 1.00, 5th - 1.38. Rotation of PTO output is reversed when transmission selector is in reverse. Multiply speeds by .88.

2 T310MLR – Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .14, 1st - .28, 2nd - .52, 3rd - .72, 4th - 1.00, 5th - 1.40. Rotation of PTO output is reversed when transmission selector is in reverse. Multiply speeds by .88.

3 The neutral select is a covered switch located on the dash, and is needed for stationary operation. This is an upgraded option for PTO use. Use main box for PTO if option not included.

4 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.

5 RL Series with combined reduction gear box.

6 Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for oil pump.

7 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

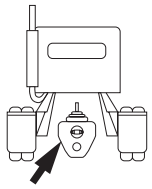
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

T310M[1], T310ME (21), T310MLR[2]
(This Page is for Rear Box Openings)
Footnotes (3 & 6)

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** .667
PLV: 1308 FPM **RPM:** 612



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	4	Opp	42				23M80062	Included	Cable	285	54
	TG8S-M6505-C3BX	4	Opp	54				23M80062	Included	Cable	270	51
	TG8S-M6506-C3BX	4	Opp	70				23M80062	Included	Cable	245	47
	TG8S-M6507-C3BX	4	Opp	83				23M80062	Included	Cable	230	44
	TG8S-M6508-C3BX	4	Opp	102				23M80062	Included	Cable	230	44
	TG8S-M6509-C3BX	4	Opp	106				23M80062	Included	Cable	205	39
	TG8S-M6512-C3BH	4	Opp	130				23M80062	Included	Cable	210	40
	TG8S-M6513-C3BH	4	Opp	148				23M80062	Included	Cable	210	40
	TG8S-M6515-C3BH	4	Opp	167				23M80062	Included	Cable	195	37
	TG8S-M6518-C3BH	4	Opp	198				23M80062	Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	54				23M80062	Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	81				23M80062	Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	100				23M80062	Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	133				23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	51				23M80062	Included	Power	300	57
	CS8S-M6505-E3BX		Opp	54				23M80062	Included	Power	300	57
	CS8S-M6507-E3BX		Opp	81				23M80062	Included	Power	300	57
	CS8S-M6509-E3BX		Opp	100				23M80062	Included	Power	275	52
	CS8S-M6512-E3BX		Opp	133				23M80062	Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	6, 7	Opp	30		30		23M80062	Included	Lever	200	38
	RL8S-M6505-L3BX	7	Opp	62		62		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX		Opp	72				23M80062	Included	Lever	450	85
	828S-M6510-L3CX		Opp	95				23M80062	Included	Lever	410	78
	828S-M6513-L3CX		Opp	127				23M80062	Included	Lever	375	71
	828S-M6519-L3CX		Opp	168				23M80248	20MK8814	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B XX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 T310M – Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .22, 1st - .34, 2nd - .52, 3rd - .72, 4th - 1.00, 5th - 1.38. Rotation of PTO output is reversed when transmission selector is in reverse. Multiply speeds by .88.

2 T310MLR – Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .14, 1st - .28, 2nd - .52, 3rd - .72, 4th - 1.00, 5th - 1.40. Rotation of PTO output is reversed when transmission selector is in reverse. Multiply speeds by .88.

3 The neutral select is a covered switch located on the dash, and is needed for stationary operation. This is an upgraded option for PTO use. Use Main Box for PTO if option not included.

4 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.

5 RL Series with combined reduction gear box.

6 Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for oil pump.

7 Do not use for continuous duty applications.

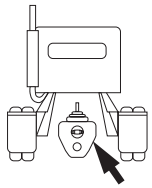
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



TM308, TM309
Footnotes (2 & 3)

PTO DRIVE GEAR DATA:
54T 6.48P 17.5° PA Spur
LOCATION: Rear **PLMF:** 1.055
PLV: 1527 FPM **RPM:** 702

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C2BX	1	Opp	52					Included	Cable	171	32
	TG6S-M6505-C2BX	1	Opp	68					Included	Cable	162	31
	TG6S-M6506-C2BX	1	Opp	89					Included	Cable	147	28
	TG6S-M6507-C2BX	1	Opp	106					Included	Cable	138	26
	TG6S-M6508-C2BX	1	Opp	129					Included	Cable	138	26
	TG6S-M6509-C2BX	1	Opp	135					Included	Cable	123	23
	TG6S-M6512-C2BH	1	Opp	166					Included	Cable	126	24
SH SERIES												
CLUTCH SHIFT	CS6S-U6005-E1BX		Crnk	58			40TM6568-2	23M60032S	Included	Power	162	31
	CS6S-U6807-E1BX		Crnk	86			40TM6568-2	23M60032S	Included	Power	138	26
1 FWD. 1 REV.	RL6D-M6505-L2BX	4	Opp	79		79		23M60200S	20MK6602	Lever	120	23
ADAPTER TO CHANGE ROTATION		2	40TM6500 + 23M61500 + 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- **OUTPUT SHAFT** (see pages 6 & 8)
- **SPECIAL OPTIONS** (see pages 6 & 8)

EX: TG 6S - U68 07 - C 1 B XX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
2 Possible interference with spring hanger.
3 PTO output torque ratings are lowered due to non-standard transmission gear location.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

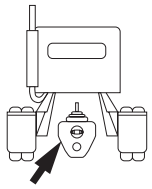
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TM308, TM309
Footnotes (2 & 3)

PTO DRIVE GEAR DATA:
54T 6.48P 17.5° PA Spur
LOCATION: Rear **PLMF:** 1.055
PLV: 1527 FPM **RPM:** 702



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C4BX	1	Opp	52					Included	Cable	171	32
	TG8S-M6505-C4BX	1	Opp	68					Included	Cable	162	31
	TG8S-M6506-C4BX	1	Opp	89					Included	Cable	147	28
	TG8S-M6507-C4BX	1	Opp	106					Included	Cable	138	26
	TG8S-M6508-C4BX	1	Opp	129					Included	Cable	138	26
	TG8S-M6509-C4BX	1	Opp	135					Included	Cable	123	23
	TG8S-M6512-C4BH	1	Opp	166					Included	Cable	126	24
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL8S-M6505-L2BX	4	Opp	79		79			Included	Lever	120	23

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B XXX

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
2 82 and 83 Series are not recommended for this transmission due to non-standard transmission gear location.
3 PTO output torque ratings are lowered due to non-standard transmission gear location.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

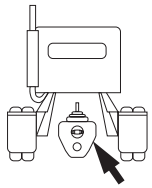
MACK TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TM308M, TM309M
(Rear Box)
Footnotes (1, 4, & 6)

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** 1.055
PLV: 1308 FPM **RPM:** 612



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	2	Opp	42				23M60062S	Included	Cable	285	54
	TG6S-M6505-C1BX	2	Opp	54				23M60062S	Included	Cable	270	51
	TG6S-M6506-C1BX	2	Opp	70				23M60062S	Included	Cable	245	47
	TG6S-M6507-C1BX	2	Opp	83				23M60062S	Included	Cable	230	44
	TG6S-M6508-C1BX	2	Opp	102				23M60062S	Included	Cable	230	44
	TG6S-M6509-C1BX	2	Opp	106				23M60062S	Included	Cable	205	39
	TG6S-M6512-C1BH	2	Opp	130				23M60062S	Included	Cable	210	40
	TG6S-M6513-C1BH	2	Opp	148				23M60062S	Included	Cable	210	40
	TG6S-M6515-C1BH	2	Opp	167				23M60062S	Included	Cable	195	37
	TG6S-M6518-C1BH	2	Opp	198				23M60062S	Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	54				23M60062S	Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	81				23M60062S	Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	100				23M60062S	Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	133				23M60062S	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	51				23M60062S	Included	Power	300	57
	CS6S-M6505-E1BX		Opp	54				23M60062S	Included	Power	300	57
	CS6S-M6507-E1BX		Opp	81				23M60062S	Included	Power	300	57
	CS6S-M6509-E1BX		Opp	100				23M60062S	Included	Power	275	52
	CS6S-M6512-E1BX		Opp	133				23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	3, 5	Opp	30		30		23M60240S	20MK6603	Lever	200	38
	RL6D-M6505-L3BX	5	Opp	62		62		23M60240S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TM6500 + 23M61500 + 23M60450 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B XXX

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- XXX — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. Speed shown is with transmission in 5th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for 1st - .15, 2nd - .25, 3rd - .39, 4th - .63, 5th - 1.00, 6th - 1.40. Rotation of output shaft will be reversed by placing main transmission in reverse, increase PTO speed by multiplier (1.14).
2. TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
3. RL Series with combined reduction gear box (“03” Ratio).
4. Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for oil pump.
5. Do not use for continuous duty applications.
6. The neutral select is a covered switch located on the dash and is needed for stationary operation.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

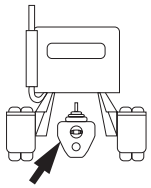
MACK TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TM308M, TM309M
(Rear Box)
Footnotes (1, 4, & 6)

PTO DRIVE GEAR DATA:
49T 6.48P 17.5° PA Spur
LOCATION: Front **PLMF:** .667
PLV: 1308 FPM **RPM:** 612



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	2	Opp	42				23M80062	Included	Cable	285	54
	TG8S-M6505-C3BX	2	Opp	54				23M80062	Included	Cable	270	51
	TG8S-M6506-C3BX	2	Opp	70				23M80062	Included	Cable	245	47
	TG8S-M6507-C3BX	2	Opp	83				23M80062	Included	Cable	230	44
	TG8S-M6508-C3BX	2	Opp	102				23M80062	Included	Cable	230	44
	TG8S-M6509-C3BX	2	Opp	106				23M80062	Included	Cable	205	39
	TG8S-M6512-C3BH	2	Opp	130				23M80062	Included	Cable	210	40
	TG8S-M6513-C3BH	2	Opp	148				23M80062	Included	Cable	210	40
	TG8S-M6515-C3BH	2	Opp	167				23M80062	Included	Cable	195	37
	TG8S-M6518-C3BH	2	Opp	198				23M80062	Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	54				23M80062	Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	81				23M80062	Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	100				23M80062	Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	133				23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	51				23M80062	Included	Power	300	57
	CS8S-M6505-E3BX		Opp	54				23M80062	Included	Power	300	57
	CS8S-M6507-E3BX		Opp	81				23M80062	Included	Power	300	57
	CS8S-M6509-E3BX		Opp	100				23M80062	Included	Power	275	52
	CS8S-M6512-E3BX		Opp	133				23M80062	Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	3, 5	Opp	30		30		23M80062	Included	Lever	200	38
	RL8S-M6505-L3BX	5	Opp	62		62		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION									REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX		Opp	72				23M80062	Included	Lever	450	85
	828S-M6510-L3CX		Opp	95				23M80062	Included	Lever	410	78
	828S-M6513-L3CX		Opp	127				23M80062	Included	Lever	375	71
	828S-M6519-L3CX		Opp	168				23M80248	20MK8814	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speed shown is with transmission in 5th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for 1st - .15, 2nd - .25, 3rd - .39, 4th - .63, 5th - 1.00, 6th - 1.40. Rotation of output shaft will be reversed by placing main transmission in reverse, increase PTO speed by multiplier (1.14).
2 TG Series input gear: #03T34597 — Refer to kit program on pages 27-29.
3 RL Series with combined reduction gear box (“03” Ratio).
4 Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for oil pump.
5 Do not use for continuous duty applications.
6 The neutral select is a covered switch located on the dash and is needed for stationary operation.

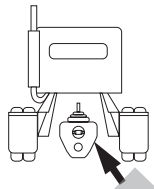
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MERCEDES TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 8.04P 17.5° PA 26.97D R.H.
LOCATION: Rear **PLMF:** 1.34
PLV: 745 FPM **RPM:** 453



MBT520-6DA
MBT520S-6D
Footnotes (3 & 4)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-M8007-C2BX	1, 2	Opp	47					Included	Cable	230	44
	TG6N-M8008-C2BX	1, 2	Opp	58					Included	Cable	230	44
	TG6N-M8009-C2BX	1, 2	Opp	60					Included	Cable	205	39
	TG6N-M8012-C2BH	1, 2	Opp	74					Included	Cable	210	40
	TG6N-M8013-C2BH	1, 2	Opp	88					Included	Cable	210	40
	TG6N-M8015-C2BH	1, 2	Opp	95					Included	Cable	195	37
	TG6N-M8018-C2BH	1, 2	Opp	113					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T38530 — Refer to kit program on pages 27-29.
2 Metric Stud 20MKM602 supplied.
3 MBT520-6DA automated transmission requires an Air Shift PTO. “P” option is suggested and order airline 45M44430 separately. Connection to OEM supplied manifold value is required for correct PTO operation.
4 Transmission controller for automated transmission must be supplied programmed for PTO use. Check with vehicle dealer before ordering PTO.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

MERCEDES TRANSMISSION

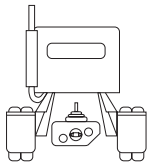
LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

NO OPENING

MBT520-6DA
MBT520S-6D

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

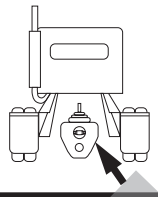
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

MERCEDES TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



MBT660-6OA, MBT660S-6O
Footnotes (4 & 5)

PTO DRIVE GEAR DATA:
53T 8.38P 17.5° PA 24.97D R.H.
LOCATION: Rear **PLMF:** 1.09
PLV: 1136 FPM **RPM:** 622

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-M8307-C2BX	1, 2	Opp	79					Included	Cable	230	44
	TG6B-M8308-C2BX	1, 2	Opp	97					Included	Cable	230	44
	TG6B-M8309-C2BX	1, 2	Opp	101					Included	Cable	205	39
	TG6B-M8312-C2BH	1, 2	Opp	124					Included	Cable	210	40
	TG6B-M8313-C2BH	1, 2	Opp	146					Included	Cable	210	40
	TG6B-M8315-C2BH	1, 2	Opp	159					Included	Cable	195	37
	TG6B-M8318-C2BH	1, 2	Opp	189					Included	Cable	175	37
	RS4S-P86MM-A1CX	3	Crnk	81					Included	Air	220	42
SH SERIES												
CLUTCH SHIFT	CS6B-M8307-E2BX	2	Opp	70					Included	Power	300	57
	CS6B-M8309-E2BX	2	Opp	95					Included	Power	300	57
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- **OUTPUT SHAFT** (see pages 6 & 8)
- **SPECIAL OPTIONS** (see pages 6 & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series input gear: #03T38531 — Refer to kit program on pages 27-29.
2. Metric Stud Kit 20MKM602 supplied (20TK4360 for CS Series).
3. Rear mount PTO, passenger side - output shaft, 1310 Series, for driveshaft drive only.
4. MBT660-6OA automated transmission requires an Air Shift PTO. “P” option is suggested and order airline 45M44430 separately. Connection to OEM supplied manifold value is required for correct PTO operation.
5. Transmission controller for automated transmission must be supplied programmed for PTO use. Check with vehicle dealer before ordering PTO.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

MERCEDES TRANSMISSION

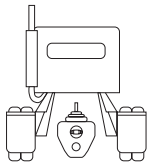
LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

NO OPENING

MBT660-6OA, MBT660S-6O

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

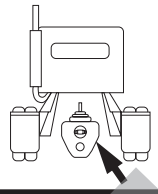
MERCEDES TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

G56
DODGE RAM MANUAL
Footnote (2)

PTO DRIVE GEAR DATA:
52T 9.41P 18° PA 26.47° R.H.
LOCATION: REAR **PLMF:** 1.376
PLV: 910 FPM **RPM:** 563



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-D9407-C2BX	1	OPP	57				23M60032S	20MKM602	Cable	230	44
	TG6N-D9408-C2BX	1	OPP	70				23M60032S	20MKM602	Cable	230	44
	TG6N-D9409-C2BX	1	OPP	73				23M60032S	20MKM602	Cable	205	39
	TG6N-D9412-C2BH	1	OPP	89				23M60032S	20MKM602	Cable	210	40
	TG6N-D9413-C2BH	1	OPP	102				23M60032S	20MKM602	Cable	210	40
	TG6N-D9415-C2BH	1	OPP	115				23M60032S	20MKM602	Cable	195	37
	TG6N-D9418-C2BH	1	OPP	136				23M60032S	20MKM602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

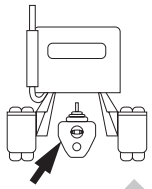
FOOTNOTES:
1 TG Series input gear: #03T40079 - Refer to kit program on pages 27-29.
2 PTO interferes with exhaust on 2007 & later vehicles, use left side.
3 Order wire harness kit 34TK5091 (sold separately) to disable OBDII for PTO operation and to use cruise control for throttle control. Model year 2007-2012.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

MERCEDES TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



G56
DODGE RAM MANUAL

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
52T 9.41P 18° PA 26.47° R.H.
LOCATION: REAR **PLMF:** 1.376
PLV: 910 FPM **RPM:** 563

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-D9407-C4BX	1, 2	OPP	57				23M60032S	20MKM602	Cable	230	44
	TG6N-D9408-C4BX	1, 2	OPP	70				23M60032S	20MKM602	Cable	230	44
	TG6N-D9409-C4BX	1, 2	OPP	73				23M60032S	20MKM602	Cable	205	39
	TG6N-D9412-C4BH	1, 2	OPP	89				23M60032S	20MKM602	Cable	210	40
	TG6N-D9413-C4BH	1, 2	OPP	102				23M60032S	20MKM602	Cable	210	40
	TG6N-D9415-C4BH	1, 2	OPP	115				23M60032S	20MKM602	Cable	195	37
	TG6N-D9418-C4BH	1, 2	OPP	136				23M60032S	20MKM602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T40079 - Refer to kit program on pages 27-29.
2 PTO interferes with driveshaft on 4x4 chassis.
3 Order wire harness kit 34TK5091 (sold separately) to disable OBDII for PTO operation and to use cruise control for throttle control. Model year 2007-2012.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

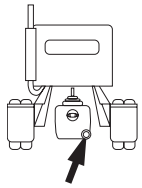
MERCEDES TRANSMISSION

REAR ONLY
(LEFT SIDE TURN PAGE)

METRIC OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



G60-6, G85-6(2)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS6S-P86MI-A1CX	1	Crnk	81					199K4280000	Air	258	49
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 19)
- **ASSEMBLY ARRANGEMENT** (see page 19)
- **OUTPUT SHAFT** (see page 19)
- **SPECIAL OPTIONS** (see page 19)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

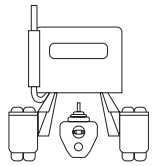
FOOTNOTES:

1 Rear opening only. Air shift only. 1310 companion flange output version shown. SAE-B (option "K") pump mount available. Pump weight limit 30 lbs. without support to transmission.

2 G85-6 multiply speed show by 1.38.

MERCEDES TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



MUNCIE

G60-6, G85-6[2]

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

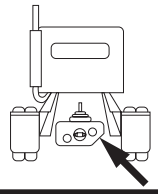
ZF/MERITOR TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

RM9-115A, RM9-125A, RM9-135A,RM9-145A, RM9-155A, RMO13-145A,RM10-115A, RM10-125A, RM10-135A, RM10-145A, RM10-155A, M-11G10A-M11, M-11G9A-M11, M-12G10A-M12, M-12G9A-M12, M-13G10A-M13, M-13G9A-M13, M-14F10A-M16, M-14G10A-M14, M-14G9A-M14, M-14G10A-M16, M-15G10A-M15, M-15G9A-M15 Footnotes (3 & 4)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1488 FPM **RPM:** 758



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 6	Opp	51					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 6	Opp	67					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 6	Opp	87					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 6	Opp	102					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 6	Opp	126					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 6	Opp	131					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 6	Opp	161					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 6	Opp	183					Included	Cable	210	40
	TG6S-U6815-C1BH	1, 6	Opp	206					Included	Cable	195	37
	TG6S-U6818-C1BH	1, 6	Opp	244					Included	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	67					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	6	Opp	99					Included	Elec/Air	400	76
	SH6S-U6809-E1BX	6	Opp	123					Included	Elec/Air	375	71
	SH6S-U6812-E1BX	6	Opp	163					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	47					Included	Power	300	57
	CS6S-U6004-E1BX		Opp	61					Included	Power	300	57
	CS6S-U6005-E1BX		Opp	67					Included	Power	300	57
	CS6S-U6806-E1BX		Opp	79					Included	Power	300	57
	CS6S-U6807-E1BX	6	Opp	99					Included	Power	300	57
	CS6S-U6809-E1BX	6	Opp	123					Included	Power	275	52
	CS6S-U6812-E1BX	6	Opp	163					Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	2, 7	Opp	38		38		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	7	Opp	78		78		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gearbox.
3 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
4 Direct mount pumps will not clear bulge on right side unless adapter is used.
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options.
6 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
7 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

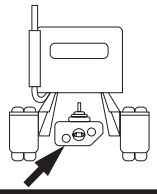
ZF/MERITOR TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

RM9-115A, RM9-125A, RM9-135A,RM9-145A, RM9-155A, RMO13-145A,RM10-115A, RM10-125A, RM10-135A, RM10-145A, RM10-155A, M-11G10A-M11, M-11G9A-M11, M-12G10A-M12, M-12G9A-M12, M-13G10A-M13, M-13G9A-M13, M-14F10A-M16, M-14G10A-M12, M-13G9A-M13, M-14G10A-M16, M-15G10A-M15, M-15G9A-M15

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1488 FPM **RPM:** 758



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 4	Opp	51					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 4	Opp	67					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 4	Opp	87					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 4	Opp	102					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 4	Opp	126					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 4	Opp	131					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 4	Opp	161					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 4	Opp	183					Included	Cable	210	40
	TG8S-U6815-C1BH	1, 4	Opp	206					Included	Cable	195	37
	TG8S-U6818-C1BH	1, 4	Opp	244					Included	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	67					Included	Elec/Air	400	76
	SH8S-U6807-E1BX		Opp	99					Included	Elec/Air	400	76
	SH8S-U6809-E1BX	4	Opp	123					Included	Elec/Air	375	71
	SH8S-U6812-E1BX	4	Opp	163					Included	Elec/Air	325	62
	SH8S-U6813-E1BX	4	Opp	189					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	47					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	61					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	67					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	79					Included	Power	300	57
	CS8S-U6807-E1BX	4	Opp	99					Included	Power	300	57
	CS8S-U6809-E1BX	4	Opp	123					Included	Power	275	52
	CS8S-U6812-E1BX	4	Opp	163					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	38		38		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	7	Opp	78		78		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	47					Included	Lever	500	95
	828S-U6808-L1CX		Opp	75					Included	Lever	450	85
	828S-U6809-L1CX		Opp	93					Included	Lever	410	78
	828S-U6810-L1CX		Opp	100					Included	Lever	410	78
	828S-U6812-L1CX		Opp	115					Included	Lever	375	71
	828S-U6813-L1CX		Opp	133					Included	Lever	375	71
	828S-U6815-L1CX		Opp	146				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L1CX		Opp	180				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see pages 6, 7, 8, & 11)
ASSEMBLY ARRANGEMENT (see pages 6, 7, 8, & 11)
OUTPUT SHAFT (see pages 6, 7, 8, & 11)
SPECIAL OPTIONS (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gearbox.
3 Change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). RL Series on PTO side of adapter, add 23M60200S + 20MK6603.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

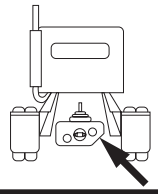
ZF/MERITOR TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

RMO9-115R, RMO9-125A, RMO9-125R, RMO9-135A, RMO9-135R, RMO9-145A, RMO9-145R, RMX10-115A, RMX10-125A, RMX10-135A, RMX10-145A, RMX10-155A, RMX10-165A, MO-14F10A-M16, RMX10-156A, MO-11G9R-M11, MO-12G9A-M12, MO-12G9R-M12, MO-13G9A-M13, MO-13G9R-M13, MO-14G9A-M14, MO-14G9R-M14, MO-11G10A-M11, MO-12G10A-M12, MO-13G10A-M13, MO-14G10A-M14, MO-14G10A-M16, MO-15G10A-M15, MO-16G10A-M16 Footnotes (3 & 4)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1996 FPM **RPM:** 1,017



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 6	Opp	69					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 6	Opp	90					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 6	Opp	116					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 6	Opp	137					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 6	Opp	168					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 6	Opp	175					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 6	Opp	215					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 6	Opp	245					Included	Cable	210	40
	TG6S-U6815-C1BH	1, 6	Opp	276					Included	Cable	195	37
	TG6S-U6818-C1BH	1, 6	Opp	328					Included	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	90					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	6	Opp	132					Included	Elec/Air	400	76
	SH6S-U6809-E1BX	6	Opp	165					Included	Elec/Air	375	71
	SH6S-U6812-E1BX	6	Opp	219					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	63					Included	Power	300	57
	CS6S-U6004-E1BX		Opp	82					Included	Power	300	57
	CS6S-U6005-E1BX		Opp	90					Included	Power	300	57
	CS6S-U6806-E1BX		Opp	106					Included	Power	300	57
	CS6S-U6807-E1BX	6	Opp	132					Included	Power	300	57
	CS6S-U6809-E1BX	6	Opp	165					Included	Power	275	52
	CS6S-U6812-E1BX	6	Opp	219					Included	Power	275	52
1 FWD. 1 REV.	~~RL6D-U6803-L3BX~~	~~2, 7~~	~~Opp~~	~~51~~		~~51~~		~~23M60200S~~	~~20MK6602~~	~~Lever~~	~~200~~	~~38~~
	~~RL6D-U6805-L3BX~~	~~7~~	~~Opp~~	~~104~~		~~104~~		~~23M60200S~~	~~20MK6602~~	~~Lever~~	~~200~~	~~38~~
ADAPTER TO CHANGE ROTATION		5	40TU6855-1							REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX		

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS**
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gearbox.
3 Direct mount pumps will not clear bulge on right side unless adapter is used.
4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options.
6 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
7 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

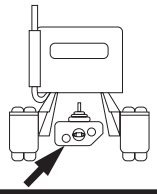
ZF/MERITOR TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

RMO9-115R, RMO9-125A, RMO9-125R, RMO9-135A, RMO9-135R, RMO9-145A, RMO9-145R, RMX10-115A, RMX10-125A, RMX10-135A, RMX10-145A, RMX10-155A, RMX10-165A, MO-14F10A-M16, RMX10-156A, MO-11G9R-M11, MO-12G9A-M12, MO-12G9R-M12, MO-13G9A-M13, MO-13G9R-M13, MO-14G9A-M14, MO-14G9R-M14, MO-11G10A-M11, MO-12G10A-M12, MO-13G10A-M13, MO-14G10A-M14, MO-14G10A-M16, MO-15G10A-M15, MO-16G10A-M16

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1996 FPM **RPM:** 1,017



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 4	Opp	69					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 4	Opp	90					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 4	Opp	116					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 4	Opp	137					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 4	Opp	168					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 4	Opp	175					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 4	Opp	215					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 4	Opp	245					Included	Cable	210	40
	TG8S-U6815-C1BH	1, 4	Opp	276					Included	Cable	195	37
	TG8S-U6818-C1BH	1, 4	Opp	328					Included	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	90					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	4	Opp	132					Included	Elec/Air	400	76
	SH8S-U6809-E1BX	4	Opp	165					Included	Elec/Air	375	71
	SH8S-U6812-E1BX	4	Opp	219					Included	Elec/Air	325	62
	SH8S-U6813-E1BX	4	Opp	254					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	63					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	82					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	90					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	106					Included	Power	300	57
	CS8S-U6807-E1BX	4	Opp	132					Included	Power	300	57
	CS8S-U6809-E1BX	4	Opp	165					Included	Power	275	52
	CS8S-U6812-E1BX	4	Opp	219					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	51		51		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	5	Opp	104		104		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	63					Included	Lever	500	95
	828S-U6808-L1CX		Opp	100					Included	Lever	450	85
	828S-U6809-L1CX		Opp	125					Included	Lever	410	78
	828S-U6810-L1CX		Opp	134					Included	Lever	410	78
	828S-U6812-L1CX		Opp	155					Included	Lever	375	71
	828S-U6813-L1CX		Opp	178					Included	Lever	375	71
	828S-U6815-L1CX		Opp	196				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L1CX		Opp	241				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

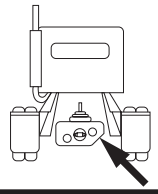
1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gearbox.
3 Change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

ZF/MERITOR TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



RMO9-115B, RMO9-125B, RMO9-135B, RMO9-145B, RMX9-155B, MO-11G9B-M11, MO-12G9B-M12, MO-13G9B-M13, MO-14G9B-M14, MO-15G9B-M15
Footnotes (3 & 4)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1710 FPM **RPM:** 871

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 7	Opp	59					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 7	Opp	77					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 7	Opp	100					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 7	Opp	118					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 7	Opp	144					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 7	Opp	150					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 7	Opp	184					Included	Cable	210	40
	TG6D-S6813-C1BH	5	Opp	194				23M60200S	20MK6603	Cable	210	40
	TG6D-S6815-C1BH	5	Opp	219				23M60200S	20MK6603	Cable	195	37
	TG6D-S6818-C1BH	5	Opp	259				23M60200S	20MK6603	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	77					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	7	Opp	113					Included	Elec/Air	400	76
	SH6S-U6809-E1BX	7	Opp	141					Included	Elec/Air	375	71
	SH6D-S6812-E1BX		Opp	172				23M60200S	20TK4433	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	54					Included	Power	300	57
	CS6S-U6004-E1BX		Opp	71					Included	Power	300	57
	CS6S-U6005-E1BX		Opp	77					Included	Power	300	57
	CS6S-U6806-E1BX		Opp	91					Included	Power	300	57
	CS6S-U6807-E1BX	7	Opp	113					Included	Power	300	57
	CS6S-U6809-E1BX	7	Opp	141					Included	Power	275	52
	CS6D-S6812-E1BX		Opp	172				23M60200S	20TK4433	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	2, 8	Opp	43		43		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	8	Opp	89		89		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		6	40TU6855-1						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gearbox.
3 Direct mount pumps will not clear bulge on right side unless adapter is used.
4 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.
5 TG Series input gear: #03T94243 — Refer to kit program on pages 27-29.
6 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options.
7 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
8 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

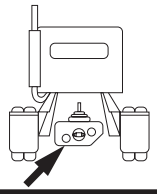
ZF/MERITOR TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

RMO9-115B, RMO9-125B, RMO9-135B, RMO9-145B, RMX9-155B, MO-11G9B-M11, MO-12G9B-M12, MO-13G9B-M13, MO-14G9B-M14, MO-15G9B-M15

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** .810
PLV: 1710 FPM **RPM:** 871



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 5	Opp	59					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 5	Opp	77					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 5	Opp	100					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 5	Opp	118					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 5	Opp	144					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 5	Opp	150					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 5	Opp	184					Included	Cable	210	40
	TG8D-S6813-C1BH	4	Opp	194				23M80190	20MK8808	Cable	210	40
	TG8D-S6815-C1BH	4	Opp	219				23M80190	20MK8808	Cable	195	37
	TG8D-S6818-C1BH	4	Opp	259				23M80190	20MK8808	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	77					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	5	Opp	113					Included	Elec/Air	400	76
	SH8S-U6809-E1BX	5	Opp	141					Included	Elec/Air	375	71
	SH8D-S6812-E1BX		Opp	172				23M80190	20MK8808	Elec/Air	325	62
	SH8D-S6813-E1BX		Opp	199				23M80190	20MK8808	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	54					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	71					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	77					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	91					Included	Power	300	57
	CS8S-U6807-E1BX	5	Opp	113					Included	Power	300	57
	CS8S-U6809-E1BX	5	Opp	141					Included	Power	275	52
	CS8D-S6812-E1BX		Opp	172				23M80190	20MK8808	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 6	Opp	43		43		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	89		89		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	54					Included	Lever	500	95
	828S-U6808-L1CX		Opp	86					Included	Lever	450	85
	828S-U6809-L1CX		Opp	107					Included	Lever	410	78
	828S-U6810-L1CX		Opp	115					Included	Lever	410	78
	828S-U6812-L1CX		Opp	132					Included	Lever	375	71
	828S-U6813-L1CX		Opp	153					Included	Lever	375	71
	828S-U6815-L1CX		Opp	167				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L1CX		Opp	206				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gearbox.
3 Change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 TG Series input gear: #03T94243 — Refer to kit program on page 27-29.
5 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.

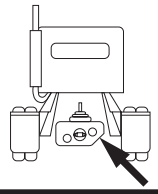
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

ZF/MERITOR TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1928 FPM **RPM:** 982



RMX10-115C, RMX10-125C, RMX10-135C, RMX10-145C, RMX10-155C, RMX10-145CT, RMX10-165CT, MO-11G10C-M11, MO-12G10C-M12, MO-13G10C-M13, MO-14G10C-M14, MO14F10C-M16, MO-14G10C-M16, MO-15G10C-M15, MO-16G10C-M16, MO-16F10C-M18, MO-16G10C-M18, MO-17G10C-M17, MO-17G10C-M19, MO-18G10C-M18, MO-18G10C-M20 Footnotes (2 & 3)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6804-C1BX	1, 6	Opp	66					Included	Cable	285	54
	TG6S-U6805-C1BX	1, 6	Opp	87					Included	Cable	270	51
	TG6S-U6806-C1BX	1, 6	Opp	112					Included	Cable	245	47
	TG6S-U6807-C1BX	1, 6	Opp	133					Included	Cable	230	44
	TG6S-U6808-C1BX	1, 6	Opp	163					Included	Cable	230	44
	TG6S-U6809-C1BX	1, 6	Opp	169					Included	Cable	205	39
	TG6S-U6812-C1BH	1, 6	Opp	208					Included	Cable	210	40
	TG6S-U6813-C1BH	1, 6	Opp	237					Included	Cable	210	40
	TG6S-U6815-C1BH	1, 6	Opp	267					Included	Cable	195	37
	TG6S-U6818-C1BH	1, 6	Opp	317					Included	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	87					Included	Elec/Air	400	76
	SH6S-U6807-E1BX	6	Opp	129					Included	Elec/Air	400	76
	SH6S-U6809-E1BX	6	Opp	160					Included	Elec/Air	375	71
	SH6S-U6812-E1BX	6	Opp	212					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6003-E1BX		Opp	61					Included	Power	300	57
	CS6S-U6004-E1BX		Opp	81					Included	Power	300	57
	CS6S-U6005-E1BX		Opp	87					Included	Power	300	57
	CS6S-U6806-E1BX		Opp	102					Included	Power	300	57
	CS6S-U6807-E1BX	6	Opp	129					Included	Power	300	57
	CS6S-U6809-E1BX	6	Opp	160					Included	Power	275	52
	CS6S-U6812-E1BX	6	Opp	212					Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	4, 7	Opp	49		49		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	7	Opp	100		100		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TU6855-1						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps.
3 Direct mount pumps will not clear bulge on right side unless adapter is used.
4 RL Series with combined reduction gearbox (“03” Ratio).
5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options.
6 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).
7 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

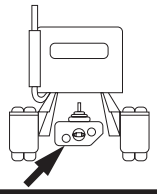
ZF/MERITOR TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

RMX10-115C, RMX10-125C, RMX10-135C, RMX10-145C, RMX10-155C, RMX10-145CT, RMX10-165CT, MO-11G10C-M11, MO-12G10C-M12, MO-13G10C-M13, MO-14G10C-M14, MO14F10C-M16, MO-14G10C-M16, MO-15G10C-M15, MO-16G10C-M16, MO-16F10C-M18, MO-16G10C-M18, MO-17G10C-M17, MO-17G10C-M19, MO-18G10C-M18, MO-18G10C-M20

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1928 FPM **RPM:** 982



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U6804-C1BX	1, 4	Opp	66					Included	Cable	285	54
	TG8S-U6805-C1BX	1, 4	Opp	87					Included	Cable	270	51
	TG8S-U6806-C1BX	1, 4	Opp	112					Included	Cable	245	47
	TG8S-U6807-C1BX	1, 4	Opp	133					Included	Cable	230	44
	TG8S-U6808-C1BX	1, 4	Opp	162					Included	Cable	230	44
	TG8S-U6809-C1BX	1, 4	Opp	169					Included	Cable	205	39
	TG8S-U6812-C1BH	1, 4	Opp	215					Included	Cable	210	40
	TG8S-U6813-C1BH	1, 4	Opp	245					Included	Cable	210	40
	TG8S-U6815-C1BH	1, 4	Opp	276					Included	Cable	195	37
	TG8S-U6818-C1BH	1, 4	Opp	317					Included	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	87					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	4	Opp	129					Included	Elec/Air	400	76
	SH8S-U6809-E1BX	4	Opp	160					Included	Elec/Air	375	71
	SH8S-U6812-E1BX	4	Opp	212					Included	Elec/Air	325	62
	SH8S-U6813-E1BX	4	Opp	245					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6003-E1BX		Opp	61					Included	Power	300	57
	CS8S-U6004-E1BX		Opp	81					Included	Power	300	57
	CS8S-U6005-E1BX		Opp	87					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	102					Included	Power	300	57
	CS8S-U6807-E1BX	4	Opp	129					Included	Power	300	57
	CS8S-U6809-E1BX	4	Opp	160					Included	Power	275	52
	CS8S-U6812-E1BX	4	Opp	212					Included	Power	275	52
	CS8S-U6814-E1BX		Opp	265					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	49		49		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	5	Opp	100		100		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	61					Included	Lever	500	95
	828S-U6808-L1CX		Opp	97					Included	Lever	450	85
	828S-U6809-L1CX		Opp	120					Included	Lever	410	78
	828S-U6810-L1CX		Opp	130					Included	Lever	410	78
	828S-U6812-L1CX		Opp	149					Included	Lever	375	71
	828S-U6813-L1CX		Opp	173					Included	Lever	375	71
	828S-U6815-L1CX		Opp	189				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L1CX		Opp	232				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gearbox ("03" Ratio).
3 Change TG Series, CS Series, SH Series, and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively). RL Series on PTO side of adapter, add 23M60200S + 20MK6603.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

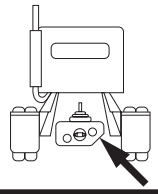
ZF/MERITOR TRANSMISSION

RIGHT REAR ONLY
(LEFT REAR TURN PAGE)

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: None **PLMF:**
PLV: **RPM:** 1,353



FREEDOMLINE
MO-13Z12A-A13, MO-14Z12A-A14, MO-15Z12A-A15, MO-16Z12A-A16 (12 Speed Overdrive)
M13Z12A-A13, M14Z12A-A14 (12 Speed Direct Drive)
Footnotes (1, 3, 4, & 5)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS4S-P82Z1-E1CX	2	Crnk	177					Included	Elec/Air	220	42
	RS4S-P86Z3-Z1CX	6	Crnk	180			601K5400000		199K7930000	Elec/Air	332	63
	RS4S-P86Z4-Z1CX	6	Crnk	125			601K5400000		199K7930000	Elec/Air	369	70
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 18)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 18)
- B — **OUTPUT SHAFT** (see page 18)
- X — **SPECIAL OPTIONS** (see page 18)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Counter shaft rear mount PTO.
2 PTO interferes with SPL170 or SPL250 transmission yoke. The Rockwell RPL Series does clear PTO.
3 Direct mount pump option "K" available, total pump system weight limit 25 lbs.
4 Direct drive 12 speed transmission, multiply speed shown by .61.
5 Transmission must be programmed for PTO operation, check with dealer before obtaining a PTO.
6 PTO interferes with Rockwell RPL-25 transmission yoke.

ZF/MERITOR TRANSMISSION

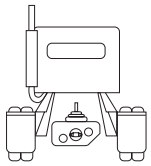
LEFT REAR ONLY
(RIGHT REAR TURN PAGE)

FREEDOMLINE
MO-13Z12A-A13, MO-14Z12A-A14, MO-15Z12A-A15, MO-16Z12A-A16 (12 Speed Overdrive)
M13Z12A-A13, M14Z12A-A14 (12 Speed Direct Drive)
(See Other Side)

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: None **PLMF:**
PLV: **RPM:** 0



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - PTO SERIES & HOUSING DESIGNATOR
- U68 - GEAR PITCH
- 07 - INTERNAL RATIO
- C - SHIFT OPTIONS
- 1 - ASSEMBLY ARRANGEMENT
- B - OUTPUT SHAFT
- X - SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

ZF/MERITOR TRANSMISSION

RIGHT REAR ONLY
(LEFT REAR TURN PAGE)

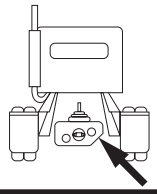
FREEDOMLINE
MO-13Z16A-A13, MO-14Z16A-A14, MO-15Z16A-A15, MO-16Z16A-A16
(16 Speed Overdrive)

Footnotes (2 & 4)

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: None **PLMF:**
PLV: **RPM:** 1,111



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS4S-P82Z1-E1CX	1, 3	Crnk	145					Included	Elec/Air	220	42
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 18)
- **ASSEMBLY ARRANGEMENT** (see page 18)
- **OUTPUT SHAFT** (see page 18)
- **SPECIAL OPTIONS** (see page 18)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Counter shaft rear mount PTO.
2 PTO interferes with SPL170 or SPL250 transmission yoke. The Rockwell RPL Series does clear PTO. Contact chassis dealer for possible change and compatibility.
3 Direct mount pump option “K” available, total pump system weight limit 25 lbs.
4 Transmission must be programmed for PTO operation, check with dealer before obtaining a PTO.

ZF/MERITOR TRANSMISSION

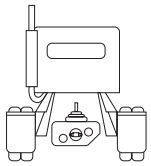
LEFT REAR ONLY
(RIGHT REAR TURN PAGE)

FREEDOMLINE
MO-13Z16A-A13, MO-14Z16A-A14,
MO-15Z16A-A15, MO-16Z16A-A16
(See Other Side)

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: None **PLMF:**
PLV: **RPM:** 0



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - PTO SERIES & HOUSING DESIGNATOR
- U68 - GEAR PITCH
- 07 - INTERNAL RATIO
- C - SHIFT OPTIONS
- 1 - ASSEMBLY ARRANGEMENT
- B - OUTPUT SHAFT
- X - SPECIAL OPTIONS

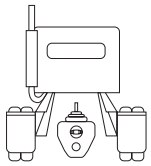
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MITSUBISHI TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

M4 (S5), M5 (S5), M6 (S5)

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

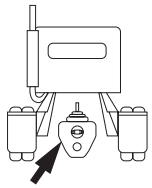
MITSUBISHI TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

M4 (S5) (6.903), M5 (S5) (7.216), M6 (S5) (7.216)
1ST GEAR RATIO SHOWN

METRIC 6-BOLT OPENING

PTO DRIVE GEAR DATA:
37T 7.58P 20° R.H.
LOCATION: Center **PLMF:** 2.350
PLV: 750 FPM **RPM:** 535



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-M7618-A3KX	1, 2, 3	Opp	90					Included	Air	206	39
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

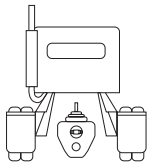
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount option shown. “B” option 1000 Series companion flange available.
2 Air shift only.
3 Requires spacer 602AD239000, included.

MITSUBISHI TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



M8S2x5
(BEFORE APRIL, 1994)

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

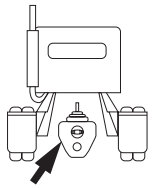
MITSUBISHI TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

M8S2x5
(BEFORE APRIL, 1994)
Footnote (1)

PTO DRIVE GEAR DATA:
29T 5.08P 20° PA Spur
LOCATION: Front **PLMF:** -1.371
PLV: 389 FPM **RPM:** 260



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6807-C4BX	2	Crnk	45			**FA219002		Included	Cable	230	44
	TG6S-U6808-C4BX	2	Crnk	56			**FA219002		Included	Cable	230	44
	TG6S-U6809-C4BX	2	Crnk	58			**FA219002		Included	Cable	205	39
	TG6S-U6812-C4BH	2	Crnk	71			**FA219002		Included	Cable	210	40
	TG6S-U6813-C4BH	2	Crnk	81			**FA219002		Included	Cable	210	40
	TG6S-U6815-C4BH	2	Crnk	91			**FA219002		Included	Cable	195	37
	TG6S-U6818-C4BH	2	Crnk	108			**FA219002		Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	3	Crnk	34		34	**FA219002	23M60200S	20MK6602	Lever	200	38

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

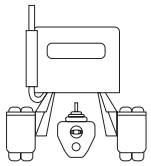
FOOTNOTES:

1 **Purchase the Mitsubishi adapter (FA219002) from a Mitsubishi dealer.
2 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
3 Do not use for continuous duty applications

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MITSUBISHI TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

M035S5

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

PTOS FOR THIS APPLICATION ARE OUT OF PRODUCTION

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — PTO SERIES & HOUSING DESIGNATOR
- U68 — GEAR PITCH
- 07 — INTERNAL RATIO
- C — SHIFT OPTIONS
- 1 — ASSEMBLY ARRANGEMENT
- B — OUTPUT SHAFT
- X — SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

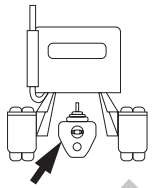
MITSUBISHI TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

M035S5
Footnote (3)

PTO DRIVE GEAR DATA:
35T 8.67P 22.5° PA 11.65 L.H.
LOCATION: Rear **PLMF:** -0.905
PLV: 249 FPM **RPM:** 239



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M8913-C4BH	1, 2	Crnk	34			29TK3954		Included	Cable	135	26
	TG6S-M8915-C4BH	1, 2	Crnk	38			29TK3954		Included	Cable	124	24
	TG6S-M8918-C4BH	1, 2	Crnk	45			29TK3954		Included	Cable	105	20
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY affect PTO SELECTION

FOOTNOTES:

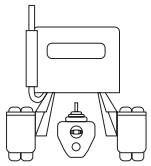
1 TG Series input gear: #03T37219 — Refer to kit program on pages 27-29.
2 Torque and HP ratings are derated for this application due to manufacturer's limitations.
3 1999 And newer models are aluminum transmission case, transmission rib and/or PTO adapter must be altered for mounting clearance.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

MITSUBISHI TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

M050S5, M050S6-OD

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

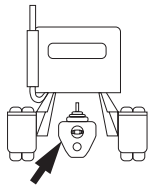
MITSUBISHI TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

M050S5, M050S6-OD
Footnote (3)
1st = 6.875

PTO DRIVE GEAR DATA:
35T 7.582P 20° PA 17 R.H.
LOCATION: Front **PLMF:** 2.50
PLV: 736 **RPM:** 537



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-M7618-A3KX	1, 2	Opp	99					Included	Air	206	39
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 24)
ASSEMBLY ARRANGEMENT (see page 24)
OUTPUT SHAFT (see page 24)
SPECIAL OPTIONS (see page 24)

EX: TG 6S - U68 07 - C 1 B X

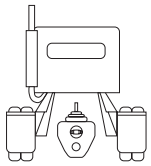
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount SAE “B” option (“K”) shown. “B” option, 1000 Series companion flange, is available.
2 HC Series available with air shift “A” option only.
3 Requires the use of spacer to mount, supplied (602AD239000).

MITSUBISHI TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

M060S5, M060S6-OD

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

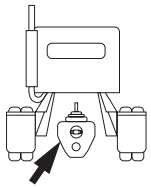
MITSUBISHI TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

M060S5, M060S6-OD
1st = 6.875, 1st = 6.748

PTO DRIVE GEAR DATA:
35T 7.582P 20° PA 28.17 R.H.
LOCATION: Front **PLMF:** 2.50
PLV: 696 **RPM:** 508



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-M7618-A3KX	1, 2, 3	Opp	94					Included	Air	206	39
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

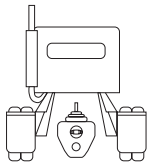
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount SAE “B” option (“K”) shown. “B” option, 1000 Series companion flange is available.
2 HC Series available with air shift “A” option only.
3 A steel spacer is supplied with PTO, but is not required for mounting to this transmission.

MITSUBISHI TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

M060S6-D, M070S6-D

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS
ASSEMBLY ARRANGEMENT
OUTPUT SHAFT
SPECIAL OPTIONS

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

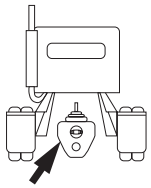
MITSUBISHI TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

M060S6-D, M070S6-D
1st Gear = 8.064

PTO DRIVE GEAR DATA:
41T 7.58P 20º PA 30 R.H.
LOCATION: Front **PLMF:** 2.39
PLV: 845 **RPM:** 517



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-M7818-A3KX	1, 2	Opp	101					Included	Air	206	39
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

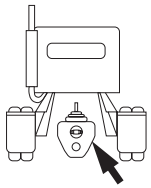
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1. Direct mount SAE “B” option (“K”) shown. “B” option, 1000 Series companion flange is available.
2. HC Series available with air shift “A” option only.

MITUSBISHI TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

M036S5, M036S6

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

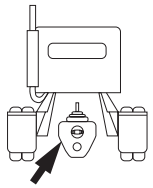
MITSUBISHI TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



MUNCIE

M036S5, M036S6

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	~~MP6A-WF260-C3QX~~	1, 2, 3	Opp	67					Included	Cable	108	21
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

THIS PTO IS NO LONGER AVAILABLE
MANUFACTURER DISCONTINUED
03/2022 REF: ECN-16736

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS
ASSEMBLY ARRANGEMENT
OUTPUT SHAFT
SPECIAL OPTIONS

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

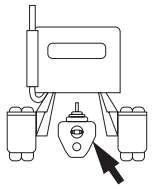
FOOTNOTES:

1. Cable shift option only.
2. Direct mount "Q" hydraulic mount output only. Use PH Series pump, PH**-2APBL. Use side ports for 4x4 clearance.
3. Multiple gear PTO for 4x4 vehicle or 4x2 vehicle.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MITUSBISHI TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

DUONIC AMT M038S6

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

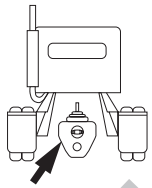
MITSUBISHI TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

DUONIC AMT M038S6
Footnotes (2 & 3)

PTO DRIVE GEAR DATA:
44T 9.07P 22.5° PA 11.62° L.H.
LOCATION: Rear **PLMF:** 1.776
PLV: 252 FPM **RPM:** 194



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M9018-T4BH	1	Crnk	56				29TK5308	Included	E/Hyd	126	24
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear 03T42337
2 Vehicle computer needs to be programmed for PTO operation by dealer. PTO switch will be included with the dealer option. Early build models are not supplied with PTO switch and the Muncie kit 48TK5325 can be ordered to provide the PTO system switch.
3 Recommended E-Hydra shift option shown, for cable shift use option “C” in the shifter field.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

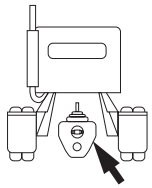
MUNCIE TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

SS66-U2 SPLIT SHAFT
Footnotes (2, 3, 6, 7, & 8)

PTO DRIVE GEAR DATA:
23T 6P 20° Spur
LOCATION: Front **PLMF:** 1.105
PLV: 1004 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-U6806-C1BX	1, 4	Crnk	58					Included	Cable	245	47
	TG6B-U6807-C1BX	1, 4	Crnk	69					Included	Cable	230	44
	TG6B-U6808-C1BX	1, 4	Crnk	85					Included	Cable	230	44
	TG6B-U6809-C1BX	1, 4	Crnk	88					Included	Cable	205	39
	TG6B-U6812-C1BH	1, 4	Crnk	108					Included	Cable	210	40
	TG6B-U6813-C1BH	1, 4	Crnk	128					Included	Cable	210	40
	TG6B-U6815-C1BH	1, 4	Crnk	139					Included	Cable	195	37
	TG6B-U6818-C1BH	1, 4	Crnk	165					Included	Cable	175	33
SH SERIES	SH6B-U6807-E1BX	4	Crnk	67					Included	Elec/Air	300	57
	SH6B-U6809-E1BX	4	Crnk	83					Included	Elec/Air	275	52
CLUTCH SHIFT	CS6B-U6806-E1BX		Crnk	53					Included	Power	300	57
	CS6B-U6807-E1BX	4	Crnk	67					Included	Power	300	57
	CS6B-U6809-E1BX	4	Crnk	83					Included	Power	275	52
	CS6B-U6812-E1BX	4	Crnk	110					Included	Power	261	50
1 FWD. 1 REV.	RL6D-U6805-L3BX	5	Crnk	52		52		23M60200S	20MKM603	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TU6845-1M (only adapter recommended)						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1: **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B: **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X: **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Speeds shown with main transmission in direct drive.
3 Metric stud kit required and is included with PTO (6B) option.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MKM603 (20TK4433 for SH or CS).
5 Do not use for continuous duty applications.
6 Total maximum SS66 gear torque limit is 289 lb.ft. Contact Muncie Power Products if using more than one PTO.
7 Add suspension bracket kit P/N 2991970000, sold separately.
8 Optional split shaft indicator switch P/N 194KSP17000, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

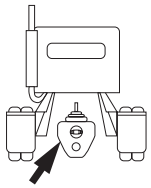
MUNCIE TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

SS66-U2 SPLIT SHAFT
Footnotes (2, 3, 6, 7, & 8)

PTO DRIVE GEAR DATA:
23T 6P 20° Spur
LOCATION: Front **PLMF:** 1.105
PLV: 1004 **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6B-U6806-C3BX	1, 4	Crnk	58					Included	Cable	245	47
	TG6B-U6807-C3BX	1, 4	Crnk	69					Included	Cable	230	44
	TG6B-U6808-C3BX	1, 4	Crnk	85					Included	Cable	230	44
	TG6B-U6809-C3BX	1, 4	Crnk	88					Included	Cable	205	39
	TG6B-U6812-C3BH	1, 4	Crnk	108					Included	Cable	210	40
	TG6B-U6813-C3BH	1, 4	Crnk	128					Included	Cable	210	40
	TG6B-U6815-C3BH	1, 4	Crnk	139					Included	Cable	195	37
	TG6B-U6818-C3BH	1, 4	Crnk	165					Included	Cable	175	33
SH SERIES	SH6B-U6807-E3BX	4	Crnk	67					Included	Elec/Air	300	57
	SH6B-U6809-E3BX	4	Crnk	83					Included	Elec/Air	275	52
CLUTCH SHIFT	CS6B-U6806-E3BX		Crnk	53					Included	Power	300	57
	CS6B-U6807-E3BX	4	Crnk	67					Included	Power	300	57
	CS6B-U6809-E3BX	4	Crnk	83					Included	Power	275	52
	CS6B-U6812-E3BX	4	Crnk	110					Included	Power	261	50
1 FWD. 1 REV.	RL6D-U6805-L3BX	5	Crnk	52		52		23M60200S	20MKM603	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TU6845-2						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

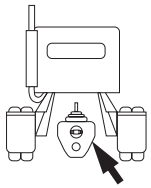
FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2 Speeds shown with main transmission in direct drive.
3 Metric stud kit required and is included with PTO (6B) option.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MKM603. (20TK4433 for SH or CS).
5 Do not use for continuous duty applications.
6 Total maximum SS66 gear torque limit is 289 lb.ft. Contact Muncie Power Products if using more than one PTO.
7 Add suspension bracket kit P.N. 2991970000, sold separately.
8 Optional split shaft indicator switch P/N 194KSP17000, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

MUNCIE TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



SS88-14X5-A00XXX
SS88-21XC-A00XXX
SPEED RATIO BASED
ON INPUT SPEED 1:1 TO ENGINE
Footnote (4)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
50T 6P 20° PA Spur
LOCATION: Front **PLMF:** 0.808
PLV: 2,182 **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8B-U6804-C1BX	1	Crnk	75					Included	Cable	285	54
	TG8B-U6805-C1BX	1	Crnk	98					Included	Cable	270	51
	TG8B-U6806-C1BX	1	Crnk	127					Included	Cable	245	47
	TG8B-U6807-C1BX	1	Crnk	150					Included	Cable	230	44
	TG8B-U6808-C1BX	1	Crnk	183					Included	Cable	230	44
SH SERIES	SH8B-U6005-E1BX		Crnk	98					Included	Elec/Air	400	76
	SH8B-U6807-E1BX		Crnk	146					Included	Elec/Air	400	76
	SH8B-U6809-E1BX		Crnk	181					Included	Elec/Air	375	71
CLUTCH SHIFT	CS8B-U6003-E1BX		Crnk	69					Included	Power	300	57
	CS8B-U6004-E1BX		Crnk	92					Included	Power	300	57
	CS8B-U6005-E1BX		Crnk	98					Included	Power	300	57
	CS8B-U6807-E1BX		Crnk	146					Included	Power	300	57
	CS8B-U6809-E1BX		Crnk	181					Included	Power	275	52
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828B-U6805-L1CX		Crnk	69					Included	Lever	500	95
	828B-U6808-L1CX		Crnk	110					Included	Lever	450	85
	828B-U6809-L1CX		Crnk	137					Included	Lever	410	78
	828B-U6810-L1CX		Crnk	147					Included	Lever	410	78
	828B-U6812-L1CX		Crnk	169					Included	Lever	375	71
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284. Refer to kit program on pages 27-29.
2 Metric stud kit included.
3 The 2 base models have different through shaft torque ratings, SS88-14X5 is rated to 14,000 lb.ft., and the SS88-21XC is rated to 21,000 lb.ft. The through torque does not affect the PTOs used. This application page applies to both models. The PTO drive gear is rated to 1,200 lb.ft. of intermittent torque.
4 Add suspension bracket kit P/N 299K2870000, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

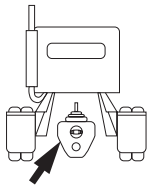
MUNCIE TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SS88-14X5-A00XXX
SS88-21XC-A00XXX
SPEED RATIO BASED ON INPUT SPEED 1:1 TO ENGINE
Footnote (4)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
50T 6P 20° PA Spur
LOCATION: Front **PLMF:** 0.808
PLV: 2,182 **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8B-U6804-C3BX	1	Crnk	75					Included	Cable	285	54
	TG8B-U6805-C3BX	1	Crnk	98					Included	Cable	270	51
	TG8B-U6806-C3BX	1	Crnk	127					Included	Cable	245	47
	TG8B-U6807-C3BX	1	Crnk	150					Included	Cable	230	44
	TG8B-U6808-C3BX	1	Crnk	183					Included	Cable	230	44
SH SERIES	SH8B-U6005-E3BX		Crnk	98					Included	Elec/Air	400	76
	SH8B-U6807-E3BX		Crnk	146					Included	Elec/Air	400	76
	SH8B-U6809-E3BX		Crnk	181					Included	Elec/Air	375	71
CLUTCH SHIFT	CS8B-U6003-E3BX		Crnk	69					Included	Power	300	57
	CS8B-U6004-E3BX		Crnk	92					Included	Power	300	57
	CS8B-U6005-E3BX		Crnk	98					Included	Power	300	57
	CS8B-U6807-E3BX		Crnk	146					Included	Power	300	57
	CS8B-U6809-E3BX		Crnk	181					Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828B-U6805-L3CX		Crnk	69					Included	Lever	500	95
	828B-U6808-L3CX		Crnk	110					Included	Lever	450	85
	828B-U6809-L3CX		Crnk	137					Included	Lever	410	78
	828B-U6810-L3CX		Crnk	147					Included	Lever	410	78
	828B-U6812-L3CX		Crnk	169					Included	Lever	375	71
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

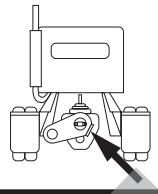
1 TG Series input gear: #03T34284. Refer to kit program on pages 27-29.
2 Metric stud kit included.
3 The 2 base models have different through shaft torque ratings, SS88-14X5 is rated to 14,000 lb.ft., and the SS88-21XC is rated to 21,000 lb.ft. The through torque does not affect the PTOs used. This application page applies to both models. The PTO drive gear is rated to 1,200 lb. ft. of intermittent torque.
4 Add suspension bracket kit P/N 299K2870000, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

NEW PROCESS TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



205 TRANSFER CASE

Note: Some units with right hand opening were produced for Ford in mid-1972.
Footnote (3)

PTO DRIVE GEAR DATA:
35T 7P 20° PA 30°29'40" L.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 800 FPM **RPM:** 510

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N7006-C2BX	1, 2	Crnk	46				23M60032S	Included	Cable	245	47
	TG6S-N7007-C2BX	1, 2	Crnk	54				23M60032S	Included	Cable	230	44
	TG6S-N7008-C2BX	1, 2	Crnk	66				23M60032S	Included	Cable	230	44
	TG6S-N7009-C2BX	1, 2	Crnk	69				23M60032S	Included	Cable	205	39
	TG6S-N7012-C2BH	1, 2	Crnk	85				23M60032S	Included	Cable	210	40
	TG6S-N7013-C2BH	1, 2	Crnk	96				23M60032S	Included	Cable	210	40
	TG6S-N7015-C2BH	1, 2	Crnk	109				23M60032S	Included	Cable	195	37
	TG6S-N7018-C2BH	1, 2	Crnk	128				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see page 6)
- 1 - **ASSEMBLY ARRANGEMENT** (see page 6)
- B - **OUTPUT SHAFT** (see page 6)
- X - **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T39158 — Refer to kit program on pages 27-29.
2 The catalytic converter interferes with this opening on 1988 GM — K Series 4×4 vehicles.
3 Speed shown with main transmission in direct drive. Rotation and speed vary with position of transmission selector.

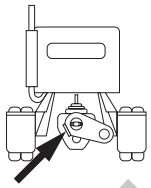
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

NEW PROCESS TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING



205 TRANSFER CASE

Transfer case may have either right hand or left hand opening but not both.
Footnote (3)

PTO DRIVE GEAR DATA:
35T 7P 20° PA 30°29'40" L.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 800 FPM **RPM:** 510

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N7006-C4BX	1, 2	Crnk	46				23M60032S	Included	Cable	245	47
	TG6S-N7007-C4BX	1, 2	Crnk	54				23M60032S	Included	Cable	230	44
	TG6S-N7008-C4BX	1, 2	Crnk	66				23M60032S	Included	Cable	230	44
	TG6S-N7009-C4BX	1, 2	Crnk	69				23M60032S	Included	Cable	205	39
	TG6S-N7012-C4BH	1, 2	Crnk	85				23M60032S	Included	Cable	210	40
	TG6S-N7013-C4BH	1, 2	Crnk	96				23M60032S	Included	Cable	210	40
	TG6S-N7015-C4BH	1, 2	Crnk	109				23M60032S	Included	Cable	195	37
	TG6S-N7018-C4BH	1, 2	Crnk	128				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T39158 — Refer to kit program on pages 27-29.
2 Possible exhaust interference.
3 Speed shown with main transmission in direct drive. Rotation and speed vary with position of transmission selector.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

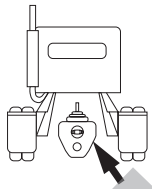
CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

NEW PROCESS TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



435 D.E.
(1986 & Later Model Year Dodge)
Footnote (3)

PTO DRIVE GEAR DATA:
34T 8.1160P 20° PA 33°30' R.H.
LOCATION: Front **PLMF:** 1.124
PLV: 520 FPM **RPM:** 395

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-N8109-C1BX	1, 3	Opp	44					Included	Cable	205	39
	TG6D-N8112-C1BH	1, 3	Opp	54					Included	Cable	210	40
	TG6D-N8113-C1BH	1, 3	Opp	62					Included	Cable	210	40
	TG6D-N8115-C1BH	1, 3	Opp	69					Included	Cable	195	37
	TG6D-N8118-C1BH	1, 3	Opp	83					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION | No Adapter Available | REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34457 — Refer to kit program on pages 27-29.
2 PTO's interfere with driveline on 4×4 chassis.
3 Direct mount pumps interfere with cross member.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

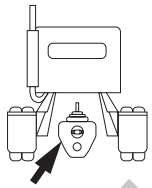
OBSOLETE

NEW PROCESS TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
34T 8.1160P 20° PA 33°31' R.H.
LOCATION: Rear **PLMF:** 1.124
PLV: 520 FPM **RPM:** 395



435 D.E.
(1986 & Later Model Year Dodge)
Footnote (3)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-N8109-C4BM	1, 2	Opp	44					Included	Cable	205	39
	TG6D-N8112-C4BQ	1, 2	Opp	54					Included	Cable	210	40
	TG6D-N8113-C4BQ	1, 2	Opp	62					Included	Cable	210	40
	TG6D-N8115-C4BQ	1, 2	Opp	69					Included	Cable	195	37
	TG6D-N8118-C4BQ	1, 2	Opp	83					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34457 — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.
3 This opening typically found on 4×4 chassis. Recommend using Transfer Case opening due to exhaust and cross member interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

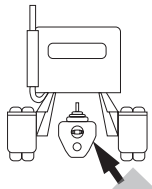
NEW PROCESS TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

435FE (6.68 Low)[1]
(1979 & Later Model Year Ford)

PTO DRIVE GEAR DATA:
34T 8.1160P 20° PA 33°30' R.H.
LOCATION: Front **PLMF:** 1.124
PLV: 520 FPM **RPM:** 395



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-N8109-C1BX	3, 4	Opp	44					Included	Cable	205	39
	TG6D-N8112-C1BH	3, 4	Opp	54					Included	Cable	210	40
	TG6D-N8113-C1BH	3, 4	Opp	62					Included	Cable	210	40
	TG6D-N8115-C1BH	3, 4	Opp	69					Included	Cable	195	37
	TG6D-N8118-C1BH	3, 4	Opp	83					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 This special transmission with 1.79:1 3rd gear is used by Ford in light duty trucks.
2 Single gear PTO available in lever shift only.
3 TG Series input gear: #03T34457 — Refer to kit program on pages 27-29.
4 Possible shaft and direct mount pump interference with cross member.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

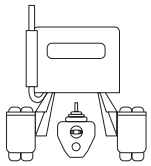
NEW PROCESS TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



435FE (6.68 Low)
(1979 & Later Model Year Ford)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — PTO SERIES & HOUSING DESIGNATOR
- U68 — GEAR PITCH
- 07 — INTERNAL RATIO
- C — SHIFT OPTIONS
- 1 — ASSEMBLY ARRANGEMENT
- B — OUTPUT SHAFT
- X — SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

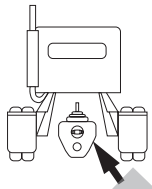
NEW PROCESS TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

435*L (6.68 Low)
(1978 & Earlier Ford)
(1985 & Earlier Dodge)

PTO DRIVE GEAR DATA:
35T 8.1160P 20° PA 33°30' R.H.
LOCATION: Front **PLMF:** 1.083
PLV: 535 FPM **RPM:** 395



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-N8109-C1BX	1	Opp	45				23M60032S	Included	Cable	205	39
	TG6D-N8112-C1BH	1	Opp	55				23M60032S	Included	Cable	210	40
	TG6D-N8113-C1BH	1	Opp	63				23M60032S	Included	Cable	210	40
	TG6D-N8115-C1BH	1	Opp	71				23M60032S	Included	Cable	195	37
	TG6D-N8118-C1BH	1	Opp	85				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION | ADAPTER NO LONGER AVAILABLE | REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see page 6)
- 1: **ASSEMBLY ARRANGEMENT** (see page 6)
- B: **OUTPUT SHAFT** (see page 6)
- X: **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34457 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

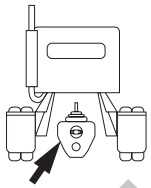
NEW PROCESS TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

435*L (6.68 Low)
Left side PTO aperature is optional and not available on all models.
Footnote (1)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
35T 8.1160P 20° PA 33°30' R.H.
LOCATION: Rear **PLMF:** 1.083
PLV: 535 FPM **RPM:** 395



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-N8109-C2BX	2	Opp	45				23M60032S	Included	Cable	205	39
	TG6D-N8112-C2BH	2	Opp	55				23M60032S	Included	Cable	210	40
	TG6D-N8113-C2BH	2	Opp	63				23M60032S	Included	Cable	210	40
	TG6D-N8115-C2BH	2	Opp	71				23M60032S	Included	Cable	195	37
	TG6D-N8118-C2BH	2	Opp	85				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		ADAPTER NO LONGER AVAILABLE	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 6)
ASSEMBLY ARRANGEMENT (see page 6)
OUTPUT SHAFT (see page 6)
SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 A few transmissions, case #96201, were produced with a non-standard left hand gear location which allows only one half inch gear engagement. PTO's are not recommended on this non-standard case. Other cases, not with this case number, provide full engagement and PTO applications are approved.
2 TG Series input gear: #03T34457 — Refer to kit program on pages 27-29.
3 Adapter requires PTO to be changed to "2" arrangement and "U68" input gear. TG Series 12, 13, 15, 18 ratio requires S68 input + 23M60200S + 20MK6602.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

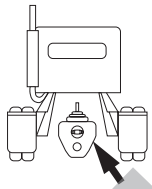
NEW PROCESS TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

542CD, 542DD, 542FD, 542GD
(6.15 Low) (6.29 Low)*
***Multiply PTO speed by .98**

PTO DRIVE GEAR DATA:
20T 6P 20° PA 17°40'41" R.H.
LOCATION: Front **PLMF:** .939
PLV: 458 FPM **RPM:** 500



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N6009-C1BM	1, 2	Opp	40				23M60140S	20MK6602	Cable	205	39
	TG6S-N6012-C1BQ	1, 2	Opp	49				23M60140S	20MK6602	Cable	210	40
	TG6S-N6013-C1BQ	1, 2	Opp	56				23M60140S	20MK6602	Cable	210	40
	TG6S-N6015-C1BQ	1, 2	Opp	63				23M60140S	20MK6602	Cable	195	37
	TG6S-N6018-C1BQ	1, 2	Opp	75				23M60140S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 6)
ASSEMBLY ARRANGEMENT (see page 6)
OUTPUT SHAFT (see page 6)
SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34449 — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

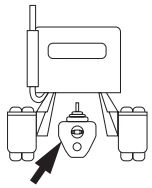
OBSOLETE

NEW PROCESS TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
23T 6/8P 20° PA Spur
LOCATION: Front **PLMF:** 1.075
PLV: 437 FPM **RPM:** 435



542CD, 542DD, 542FD, 542GD (6.15 Low) (6.29 Low)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6812-C3BH	1	Crnk	47					Included	Cable	210	40
	TG6S-U6813-C3BH	1	Crnk	54					Included	Cable	210	40
	TG6S-U6815-C3BH	1	Crnk	61					Included	Cable	195	37
	TG6S-U6818-C3BH	1	Crnk	72					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		40TU6810-2 + 23M60032S	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.

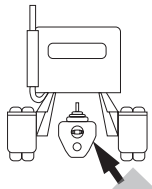
CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

NEW PROCESS TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
20T 6P 20° PA 17°40'41" R.H.
LOCATION: Front **PLMF:** .939
PLV: 389 FPM **RPM:** 425



542CL, 542GL
(7.24 Low) (7.33 Low)*
***Multiply PTO speed by .98**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N6012-C1BQ	1, 2	Opp	42				23M60140S	20MK6602	Cable	210	40
	TG6S-N6013-C1BQ	1, 2	Opp	48				23M60140S	20MK6602	Cable	210	40
	TG6S-N6015-C1BQ	1, 2	Opp	54				23M60140S	20MK6602	Cable	195	37
	TG6S-N6018-C1BQ	1, 2	Opp	64				23M60140S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34449 — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

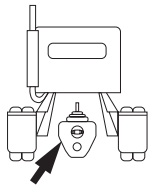
OBSOLETE

NEW PROCESS TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
23T 6/8P 20° PA Spur
LOCATION: Front **PLMF:** 1.075
PLV: 370 FPM **RPM:** 369



542CL, 542GL
(7.24 Low) (7.333 Low)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6812-C3BH	1	Crnk	40					Included	Cable	210	40
	TG6S-U6813-C3BH	1	Crnk	46					Included	Cable	210	40
	TG6S-U6815-C3BH	1	Crnk	51					Included	Cable	195	37
	TG6S-U6818-C3BH	1	Crnk	61					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		40TU6810-2 + 23M60032S	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

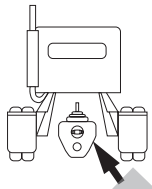
NEW PROCESS TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

542DL, 542FL
(7.24 Low) (7.33 Low)*
***Multiply PTO speed by .98**

PTO DRIVE GEAR DATA:
19T 6P 20° PA 17°40'41" R.H.
LOCATION: Front **PLMF:** 1.050
PLV: 370 FPM **RPM:** 425



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N6012-C1BQ	1, 2	Opp	39				23M60032S	Included	Cable	210	40
	TG6S-N6013-C1BQ	1, 2	Opp	45				23M60032S	Included	Cable	210	40
	TG6S-N6015-C1BQ	1, 2	Opp	51				23M60032S	Included	Cable	195	37
	TG6S-N6018-C1BQ	1, 2	Opp	60				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34449 — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

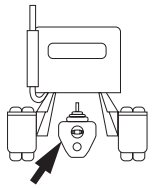
OBSOLETE

NEW PROCESS TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
23T 6/8P 20° PA Spur
LOCATION: Front **PLMF:** 1.075
PLV: 370 FPM **RPM:** 369



542DL, 542FL
(7.24 Low) (7.33 Low)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6812-C3BH	1	Crnk	40					Included	Cable	210	40
	TG6S-U6813-C3BH	1	Crnk	46					Included	Cable	210	40
	TG6S-U6815-C3BH	1	Crnk	51					Included	Cable	195	37
	TG6S-U6818-C3BH	1	Crnk	61					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		40TU6810-2 + 23M60032S	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.

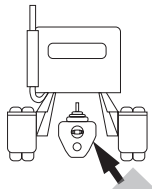
CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

NEW VENTURE TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
30T 7.94P 22.5° PA 30° R.H.
LOCATION: Front **PLMF:** 1.114
PLV: 660 FPM **RPM:** 578



NV-4500, NV-4500HD
(5.61 Low)
(Chevy build date 2-17-94 & Later)
Footnotes (5, 6, & 7)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N7907-C3BX	1, 2, 3, 4	Opp	42				23M60200S	20MK6603	Cable	230	44
	TG6S-N7908-C3BX	1, 2, 3, 4	Opp	51				23M60200S	20MK6603	Cable	230	44
	TG6S-N7909-C3BX	1, 2, 3, 4	Opp	53				23M60200S	20MK6603	Cable	205	39
	TG6S-N7912-C3BH	1, 2, 3, 4	Opp	65				23M60200S	20MK6603	Cable	210	40
	TG6S-N7913-C3BH	1, 2, 3, 4	Opp	74				23M60200S	20MK6603	Cable	210	40
	TG6S-N7915-C3BH	1, 2, 3, 4	Opp	84				23M60200S	20MK6603	Cable	195	37
	TG6S-N7918-C3BH	1, 2, 3, 4	Opp	99				23M60200S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		8	40TN7910-1 Change TG to N78 gear						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see page 6)
- 1: **ASSEMBLY ARRANGEMENT** (see page 6)
- B: **OUTPUT SHAFT** (see page 6)
- X: **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T35489A — Refer to kit program on pages 27-29.
2 Shaft high arrangement shown. Use "1" arrangement for direct mount pump applications.
3 Lectra-Shift requires heat shield. Solenoid interferes with oil fill plug and can be removed for oil level check.
4 For direct mount pump installations use "S" flange and PKS Series pumps.
5 Caution: This transmission requires a special oil available only from the dealer. Chrysler P/N 4637579 or GM P/N 12346190, 12346191.
6 When removing the aperture cover, check for a magnet on the inside. If present mount cover to other side of transmission.
7 Exhaust interference on GM Vortec gas engines.
8 TG Series only input gear: #03T37024. PTO spacer is not used with adapter.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

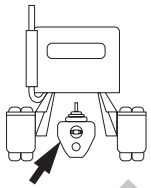
NEW VENTURE TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

NV-4500, NV-4500HD
(5.61 Low)
(Chevy build date 2-17-94 & Later)
Footnotes (4, 5, & 6)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
30T 7.94P 22.5° PA 30° R.H.
LOCATION: Front **PLMF:** 1.114
PLV: 660 FPM **RPM:** 578



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N7907-C1BX	1, 2, 3	Opp	42				23M60200S	20MK6603	Cable	230	44
	TG6S-N7908-C1BX	1, 2, 3	Opp	51				23M60200S	20MK6603	Cable	230	44
	TG6S-N7909-C1BX	1, 2, 3	Opp	53				23M60200S	20MK6603	Cable	205	39
	TG6S-N7912-C1BH	1, 2, 3	Opp	65				23M60200S	20MK6603	Cable	210	40
	TG6S-N7913-C1BH	1, 2, 3	Opp	74				23M60200S	20MK6603	Cable	210	40
	TG6S-N7915-C1BH	1, 2, 3	Opp	84				23M60200S	20MK6603	Cable	195	37
	TG6S-N7918-C1BH	1, 2, 3	Opp	99				23M60200S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		7	40TN7910-2 Change TG to N78, same arrangement						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T35489A — Refer to kit program on pages 27-29.
2 Shaft high arrangement shown. Use "3" arrangement for direct mount pump applications.
3 For direct mount pump installations use "S" flange and PKS Series pumps.
4 Caution: This transmission requires a special oil available only from the dealer. Chrysler P/N 4637579 or GM P/N 12346190, 12346191.
5 4 × 4 vehicles have driveshaft interference this side.
6 When removing the aperture cover, check for a magnet on the inside. If present mount cover to other side of transmission.
7 TG Series only-input gear: #03T37024. PTO spacer and stud kit (20MK6603) are not used with adapter.

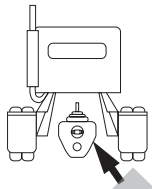
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

NEW VENTURE TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



NV-4500 (CHEVY)
(6.34 Low)
(Build date prior to 2-17-94)
Footnotes (4 & 5)

PTO DRIVE GEAR DATA:
32T 7.99P 22.19° PA 29° R.H.
LOCATION: Front **PLMF:** 1.007
PLV: 615 FPM **RPM:** 513

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N8007-C3BX	1, 2, 3	Opp	42				23M60093S	20MK6602	Cable	230	44
	TG6S-N8008-C3BX	1, 2, 3	Opp	52				23M60093S	20MK6602	Cable	230	44
	TG6S-N8009-C3BX	1, 2, 3	Opp	54				23M60093S	20MK6602	Cable	205	39
	TG6S-N8012-C3BH	1, 2, 3	Opp	66				23M60093S	20MK6602	Cable	210	40
	TG6S-N8013-C3BH	1, 2, 3	Opp	75				23M60093S	20MK6602	Cable	210	40
	TG6S-N8015-C3BH	1, 2, 3	Opp	85				23M60093S	20MK6602	Cable	195	37
	TG6S-N8018-C3BH	1, 2, 3	Opp	101				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see page 6)
- 1 - **ASSEMBLY ARRANGEMENT** (see page 6)
- B - **OUTPUT SHAFT** (see page 6)
- X - **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T35488A — Refer to kit program on pages 27-29.
2 Use "1" arrangement PTO for direct mount pump applications.
3 Shaft high arrangement shown.
4 Caution: This transmission requires a special oil available only from the dealer. GM P/N 12345871, 12346074, 12346190, 12346191.
5 When removing the aperture cover, check for a magnet on the inside. If present mount cover to other side of transmission.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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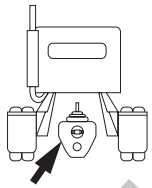
NEW VENTURE TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

NV-4500 (CHEVY)
(6.34 Low)
(Build date prior to 2-17-94)
Footnotes (2, 3, & 4)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
32T 7.99P 22.19° PA 29° R.H.
LOCATION: Front **PLMF:** 1.007
PLV: 615 FPM **RPM:** 513



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N8007-C3BX	1	Opp	42				23M60093S	20MK6602	Cable	230	44
	TG6S-N8008-C3BX	1	Opp	52				23M60093S	20MK6602	Cable	230	44
	TG6S-N8009-C3BX	1	Opp	54				23M60093S	20MK6602	Cable	205	39
	TG6S-N8012-C3BH	1	Opp	66				23M60093S	20MK6602	Cable	210	40
	TG6S-N8013-C3BH	1	Opp	75				23M60093S	20MK6602	Cable	210	40
	TG6S-N8015-C3BH	1	Opp	85				23M60093S	20MK6602	Cable	195	37
	TG6S-N8018-C3BH	1	Opp	101				23M60093S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see page 6)
- 1 - **ASSEMBLY ARRANGEMENT** (see page 6)
- B - **OUTPUT SHAFT** (see page 6)
- X - **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T35488A — Refer to kit program on pages 27-29.
2 Cross member interference for remote driveline, use this side for direct mount pump.
3 Caution: This transmission requires a special oil available only from the dealer. GM P/N 12345871, 12346074, 12346190, 12346191.
4 When removing the aperture cover, check for a magnet on the inside. If present mount cover to other side of transmission.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

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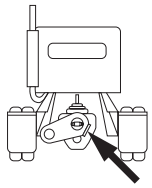
NEW VENTURE TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

241HD
TRANSFER CASE
Footnotes (2, 3, & 4)

PTO DRIVE GEAR DATA:
38T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 609 FPM **RPM:** 367



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6004-C1BV	1, 6	Crnk	21					Included	Cable	285	54
	TG6S-U6005-C1BV	1, 6	Crnk	27					Included	Cable	270	51
	TG6S-U6006-C1BV	1, 6	Crnk	35					Included	Cable	245	47
	TG6S-U6007-C1BV	1, 6	Crnk	42					Included	Cable	230	44
	TG6S-U6008-C1BV	1, 6	Crnk	51					Included	Cable	230	44
	TG6S-U6009-C1BV	1, 6	Crnk	53					Included	Cable	205	39
	TG6S-U6012-C1BV	1, 6	Crnk	65					Included	Cable	210	40
	TG6S-U6013-C1BV	1, 6	Crnk	74					Included	Cable	210	40
	TG6S-U6015-C1BV	1, 6	Crnk	84					Included	Cable	195	37
	TG6S-U6018-C1BV	1, 6	Crnk	100					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6803-L3BX	5	Crnk	15		15		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	5	Crnk	32		32		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

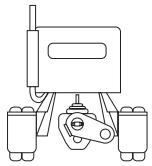
FOOTNOTES:

1 TG Series input gear: #03T34285 — Refer to kit program on pages 27-29.
2 Shaft speeds shown are with main transmission in direct drive. Rotation and speeds will vary with main transmission gear selection.
3 Stationary, continuous duty applications may require the use of an external oil cooler. Order 43MK8205 oil cooler kit separately.
4 Refer to the vehicle operator's manual for the correct oil to use in this transfer case.
5 Not for use on continuous duty applications.
6 Optional: U60 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

NEW VENTURE TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



241HD
TRANSFER CASE

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — PTO SERIES & HOUSING DESIGNATOR
- U68 — GEAR PITCH
- 07 — INTERNAL RATIO
- C — SHIFT OPTIONS
- 1 — ASSEMBLY ARRANGEMENT
- B — OUTPUT SHAFT
- X — SPECIAL OPTIONS

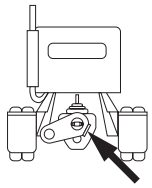
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

NEW VENTURE TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



NV021
Footnotes (2, 3, & 4)

PTO DRIVE GEAR DATA:
38T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.085
PLV: 1658 FPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6004-C1BE	1, 6	Crnk	57					Included	Cable	285	54
	TG6S-U6005-C1BE	1, 6	Crnk	74					Included	Cable	270	51
	TG6S-U6006-C1BE	1, 6	Crnk	97					Included	Cable	245	47
	TG6S-U6007-C1BE	1, 6	Crnk	114					Included	Cable	230	44
	TG6S-U6008-C1BE	1, 6	Crnk	140					Included	Cable	230	44
	TG6S-U6009-C1BE	1, 6	Crnk	146					Included	Cable	205	39
	TG6S-U6012-C1BE	1, 6	Crnk	179					Included	Cable	210	40
	TG6S-U6013-C1BE	1, 6	Crnk	204					Included	Cable	210	40
	TG6S-U6015-C1BE	1, 6	Crnk	230					Included	Cable	195	37
	TG6S-U6018-C1BE	1, 6	Crnk	272					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6803-L3BX	5	Crnk	42		42		23M60200S	20MK6602	Lever	200	38
	RL6D-U6805-L3BX	5	Crnk	86		86		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 6)
ASSEMBLY ARRANGEMENT (see page 6)
OUTPUT SHAFT (see page 6)
SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

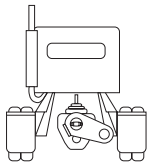
FOOTNOTES:

1 TG Series input gear: #03T34285 — Refer to kit program on pages 27-29.
2 Shaft speeds shown are with main transmission in direct drive. Rotation and speeds will vary with main transmission gear selection.
3 Stationary, continuous duty applications may require the use of an external oil cooler. Order 43MK8205 oil cooler kit separately.
4 Refer to the vehicle operator's manual for the correct oil to use in this PTO adapter case.
5 Not for use on continuous duty applications.
6 Optional: U60 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

NEW VENTURE TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



NV021

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - PTO SERIES & HOUSING DESIGNATOR
- U68 - GEAR PITCH
- 07 - INTERNAL RATIO
- C - SHIFT OPTIONS
- 1 - ASSEMBLY ARRANGEMENT
- B - OUTPUT SHAFT
- X - SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

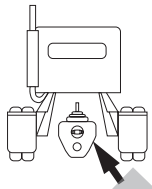
NEW VENTURE TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

NV-5600

PTO DRIVE GEAR DATA:
57T 10.4P 20° PA 34.5° R.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 1006 FPM **RPM:** 578



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N1006-C2BM	1, 2	Opp	57				23M60032S	Included	Cable	245	47
	TG6S-N1007-C2BM	1, 2	Opp	68				23M60032S	Included	Cable	230	44
	TG6S-N1008-C2BM	1, 2	Opp	83				23M60032S	Included	Cable	230	44
	TG6S-N1009-C2BM	1, 2	Opp	87				23M60032S	Included	Cable	205	39
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see page 6)
- 1 - **ASSEMBLY ARRANGEMENT** (see page 6)
- B - **OUTPUT SHAFT** (see page 6)
- X - **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T37655A — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference mounted to forward side of PTO idler shaft. Cap screw interferes with transmission and transmission needs to be ground to obtain clearance. PTO ratios above 09 ratio have gear interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

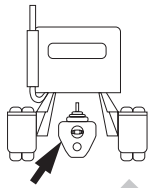
NEW VENTURE TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

NV-5600

PTO DRIVE GEAR DATA:
57T 10.4P 20° PA 34.5° R.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 1006 FPM **RPM:** 578



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N1006-C4BM	1, 2, 3	Opp	57				23M60032S	Included	Cable	245	47
	TG6S-N1007-C4BM	1, 2, 3	Opp	68				23M60032S	Included	Cable	230	44
	TG6S-N1008-C4BM	1, 2, 3	Opp	83				23M60032S	Included	Cable	230	44
	TG6S-N1009-C4BM	1, 2, 3	Opp	87				23M60032S	Included	Cable	205	39
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T37655A — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference mounted to forward side of PTO idler shaft. Cap screw interferes with transmission and transmission needs to be ground to obtain clearance. Ratios above 09 ratio have gear interference.
3 Use shaft high arrangement "2" for Lectra-Shift clearance.

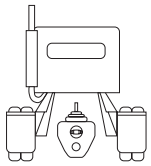
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

UD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

TMH 263

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

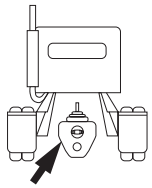
UD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TMH 263

PTO DRIVE GEAR DATA:
23T 6P 20° Spur
LOCATION: Front **PLMF:** 1.085
PLV: 387 FPM **RPM:** 386



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6809-C3BX	1, 2	Crnk	34					20MKM602	Cable	205	39
	TG6S-U6812-C3BH	1, 2	Crnk	42					20MKM602	Cable	210	40
	TG6S-U6813-C3BH	1, 2	Crnk	48					20MKM602	Cable	210	40
	TG6S-U6815-C3BH	1, 2	Crnk	54					20MKM602	Cable	195	37
	TG6S-U6818-C3BH	1, 2	Crnk	64					20MKM602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RG6D-U6813-L3BX	2, 3	Opp	54		41		23M60200S	20MKM603	Lever	140	26

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see page 6)
- ASSEMBLY ARRANGEMENT (see page 6)
- OUTPUT SHAFT (see page 6)
- SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

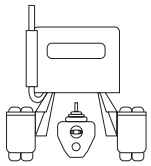
1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.
2 Metric stud kit shown.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

UD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



TMH-704, TMH-762
MHS-50U, MHS-60A, MHS-61A, MHS-62A, MHS-63A

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

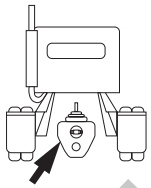
UD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 4-BOLT OPENING

TMH-704, TMH-762
MHS-50U, MHS-60A, MHS-61A, MHS-62A, MHS-63A

PTO DRIVE GEAR DATA:
23T 6.35P 20° Spur
LOCATION: Center **PLMF:** -.827
PLV: 280 FPM **RPM:** 296



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U8012-C3BH	1, 2, 3	Opp	53			40TN6380		Included	Cable	126	24
	TG6S-U8013-C3BH	1, 2, 3	Opp	60			40TN6380		Included	Cable	115	22
	TG6S-U8015-C3BH	1, 2, 3	Opp	67			40TN6380		Included	Cable	112	21
	TG6S-U8018-C3BH	1, 2, 3	Opp	80			40TN6380		Included	Cable	100	19
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

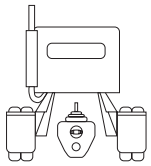
FOOTNOTES:
1 Adapter required to mount PTO.
2 TG Series input gear: #03T35107 — Refer to kit program on pages 27-29.
3 HP and torque derated due to transmission capabilities.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

UD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MLS-61A, MLS-61B, MLS-62B, MLS-63B

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

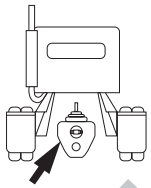
- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

UD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



MLS-61A, MLS-61B, MLS-62B, MLS-63B (1999 and Later)

Footnotes (2, 3, 4, 5, & 6)

METRIC 6-BOLT OPENING

PTO DRIVE GEAR DATA:
25T 5.64P 22.5°PA Spur
LOCATION: Center **PLMF:** -.835
PLV: 313 FPM **RPM:** 270

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6A-N5613-N4BH	1	Crnk	55					Included	Elec/Air	119	23
	TG6A-N5615-N4BH	1	Crnk	62					Included	Elec/Air	105	20
	TG6A-N5618-N4BH	1	Crnk	73					Included	Elec/Air	91	17
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T35730 — Refer to kit program on pages 27-29.
2 Requires special adapter plate 29TK3863 to mount PTO to transmission. Included with PTO.
3 Nissan recommends electric/air activation which is designed to allow engagement only when clutch pedal is depressed. The "N" shift option (48TK4518) contains only the Muncie Power air activation components. The Nissan components are sold separately. 1999-2002 model vehicles order 48TK4517 separately. 2003-2004 model vehicles order 48TK4516 separately. 2005-2010 model vehicle order 48TK4693, 2011 & later order 48TK5326.
4 Torque rating of PTO's are derated due to limitations of transmission drive gear.
5 For chassis year prior to 1999, use standard electric/air kit option designator "E". PTO is installed separate of the Nissan system and their components are not used.
6 Vehicles prior to 2005 model year with plastic airlines can use kit 44TK4607 to make air connection.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

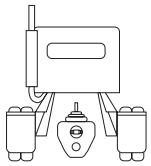
UD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

MES-50A

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

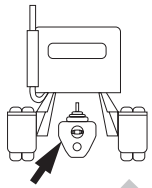
UD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

MES-50A
Footnote (2)

PTO DRIVE GEAR DATA:
34T 9.27P 20° PA 25° R.H.
LOCATION: Center **PLMF:** 2.937
PLV: 672 FPM **RPM:** 634



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N9207-C3BX	1, 3	Crnk	57			40TN9200	23M60240S+23T36704	20MK6604	Cable	205	39
	TG6S-N9208-C3BX	1, 3	Crnk	70			40TN9200	23M60240S+23T36704	20MK6604	Cable	205	39
	TG6S-N9209-C3BX	1, 3	Crnk	73			40TN9200	23M60240S+23T36704	20MK6604	Cable	195	37
	TG6S-N9212-C3BH	1, 3	Crnk	93			40TN9200	23M60240S+23T36704	20MK6604	Cable	155	29
	TG6S-N9213-C3BH	1, 3	Crnk	106			40TN9200	23M60240S+23T36704	20MK6604	Cable	138	26
	TG6S-N9215-C3BH	1, 3	Crnk	120			40TN9200	23M60240S+23T36704	20MK6604	Cable	120	23
	TG6S-N9218-C3BH	1, 3	Crnk	137			40TN9200	23M60240S+23T36704	20MK6604	Cable	105	20
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see page 6)
- ASSEMBLY ARRANGEMENT (see page 6)
- OUTPUT SHAFT (see page 6)
- SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T36591 — Refer to kit program on pages 27-29.
2 Torque ratings of PTO are derated due to limitations of transmission drive gear.
3 Spacer 23T36704 mounts between the adapter and transmission.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

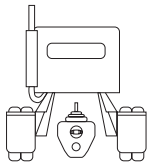
UD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

MES-50B

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

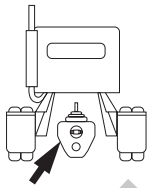
UD TRANSMISSION

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(RIGHT SIDE TURN PAGE)

MES-50B
Footnote (2)

METRIC 6-BOLT OPENING

PTO DRIVE GEAR DATA:
33T 9.27P 20° PA 25° R.H.
LOCATION: Center **PLMF:** 2.997
PLV: 668 FPM **RPM:** 650



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N9207-C3BX	1	Crnk	57			40TN9200	23M60240S	20MK6604	Cable	205	39
	TG6S-N9208-C3BX	1	Crnk	70			40TN9200	23M60240S	20MK6604	Cable	205	39
	TG6S-N9209-C3BX	1	Crnk	73			40TN9200	23M60240S	20MK6604	Cable	195	37
	TG6S-N9212-C3BH	1	Crnk	93			40TN9200	23M60240S	20MK6604	Cable	155	29
	TG6S-N9213-C3BH	1	Crnk	106			40TN9200	23M60240S	20MK6604	Cable	138	26
	TG6S-N9215-C3BH	1	Crnk	120			40TN9200	23M60240S	20MK6604	Cable	120	23
	TG6S-N9218-C3BH	1	Crnk	137			40TN9200	23M60240S	20MK6604	Cable	105	20
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see page 6)
- 1 - **ASSEMBLY ARRANGEMENT** (see page 6)
- B - **OUTPUT SHAFT** (see page 6)
- X - **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T36591 — Refer to kit program on pages 27-29.
2 Torque ratings of PTO are derated due to limitations of transmission drive gear.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

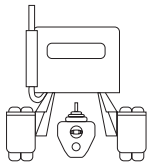
UD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

MES-50C

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

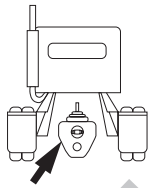
UD TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

MES-50C
Footnotes (2)

METRIC 6-BOLT OPENING

PTO DRIVE GEAR DATA:
32T 9.27P 20° PA 25° R.H.
LOCATION: Center **PLMF:** 3.030
PLV: 627 FPM **RPM:** 610



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-N9207-C3BX	1	Crnk	54			40TN9200	23M60240S	20MK6604	Cable	205	39
	TG6S-N9208-C3BX	1	Crnk	66			40TN9200	23M60240S	20MK6604	Cable	205	39
	TG6S-N9209-C3BX	1	Crnk	69			40TN9200	23M60240S	20MK6604	Cable	195	37
	TG6S-N9212-C3BH	1	Crnk	87			40TN9200	23M60240S	20MK6604	Cable	155	29
	TG6S-N9213-C3BH	1	Crnk	99			40TN9200	23M60240S	20MK6604	Cable	138	26
	TG6S-N9215-C3BH	1	Crnk	112			40TN9200	23M60240S	20MK6604	Cable	120	23
	TG6S-N9218-C3BH	1	Crnk	128			40TN9200	23M60240S	20MK6604	Cable	105	20
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series input gear: #03T36591 — Refer to kit program on pages 27-29.
2 Torque ratings are derated due to limitations of transmission drive gear.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

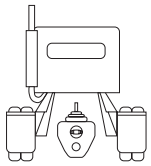
UD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

MPS-62T

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

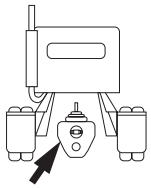
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(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

MPS-62T

PTO DRIVE GEAR DATA:
42T 6.35P 22.5° PA 23° R.H.
LOCATION: Center **PLMF:** 2.33
PLV: 801 FPM **RPM:** 426



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	PZ6B-32835-A3BX	1, 2	Opp	90					Included	Air	180	34
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 21)
- **ASSEMBLY ARRANGEMENT** (see page 21)
- **OUTPUT SHAFT** (see page 21)
- **SPECIAL OPTIONS** (see page 21)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Available with 1000 Series companion Flange (“B” option) or Direct Mount SAE “B” (“K” option) only.
2 This PTO is available in air shift only.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

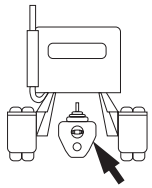
UD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

MPS-60B

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

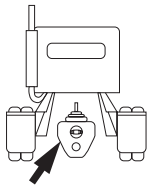
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(RIGHT SIDE TURN PAGE)

METRIC 8-BOLT OPENING

MPS-60B
Footnote (2)

PTO DRIVE GEAR DATA:
28T 20° PA Spur
LOCATION: REAR **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC8S-P2373-A3BX	1	OPP	105					INCLUDED	AIR	225	43
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 "B" output shaft is 1000 Series companion flange. SAE "B" Hydraulic mount option "K" is available. See page 27 in General Information.
2 Air shift PTO option only.

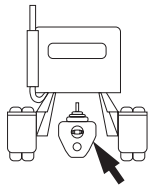
UD TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

MPS-63B

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

UD TRANSMISSION

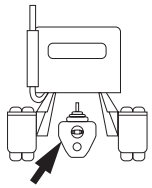
LEFT SIDE OPENING ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

MPS-63B

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	PZ6S-32835-A3BX	1, 2	OPP	128				205S6960000	205C6950000	AIR	184	35
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 21)
- **ASSEMBLY ARRANGEMENT** (see page 21)
- **OUTPUT SHAFT** (see page 21)
- **SPECIAL OPTIONS** (see page 21)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Output is 1000 Series companion flange. Direct mount “K” option is available.
2 Air shift option shown, cable shift option is available.

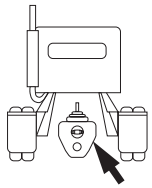
PT TECH TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

HPTO 14T-220SX-12VS-0

PTO DRIVE GEAR DATA:
41T 6.0P 20° PA Spur
LOCATION: Front **PLMF:** 1.083
PLV: 1789 FPM **RPM:** 1,000



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6806-M1PG	1, 2	Crnk	104					Included	None	245	47
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series input gear: #03T34284 — Refer to kit program on pages 27-29.

2 These are engine driven PTO's. The PTO drive gears and pad must be specially ordered. Constant mesh option "M" is shown for this application. Greasable SAE "BB" shaft (1" -15T spline) is recommended as shown.

PT TECH TRANSMISSION

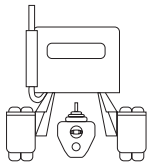
LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

HPTO 14T-220SX-12VS-0

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

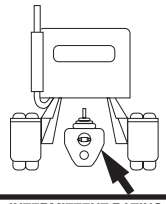
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

RAM TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

ZF 8-BOLT OPENING



TORQUEFLITE HD
ZF POWERLINE
Footnotes (1, 2, 3, & 4)

PTO DRIVE GEAR DATA:
51T 9.42P 20ºPA 22.0º R.H.
LOCATION: Front **PLMF:** 3.891
PLV: 1417 FPM **RPM:** 1,000

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO		INTERMITTENT RATING @ 1,000 RPM of PTO	
								TORQUE	HP	TORQUE	HP
CLUTCH SHIFT	Z21-Z1111-DX1BBBX		Crnk	130	Included	Elec/Hyd		265	50	265	50

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

FOOTNOTES:

1 Engine driven direct drive PTO gear.
2 Requires RAM wiring connection for PTO activation. Minimum engine speed for PTO use is 900 RPMs.
3 Driveline outputs cannot be used due to exhaust interference.
4 Passenger side PTO opening can be accessed through the passenger side floorboard via a patch panel. Patch panel is present on all PTO prep trucks.

Pump Selection Example:

a. First you need to know the flow and pressure requirement of your application.
b. Next find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
c. If your system required 8 GPM to operate. Then you would look for 8 GPM in the columns. Finding the first one under the pump PH1-07 would give you a pump which will deliver the 8 GPM you require at an engine speed of 1,000 RPM. You would also get 8 GPM if you select the PH1-05 pump, but you would need to operate the engine at 1,300 RPM.
d. After you have selected the Pump Series and size the complete pump model number can be ordered.

The PH Series would follow PH1-02BSBR-S for "BB" output option. PK Series would follow PK1-**-02BSBB-S for "BB" output option.**

APPROXIMATE FLOW AND PRESSURE FOR PUMP P/N PH1-***-02BSBR-S PAIRED WITH PTO P/N Z21-Z1111-DX1BBBX

	PH1-11 *2.48 cu. in./Rev*		PH1-09 *2.17 cu. in./Rev*		PH1-08 *1.86 cu. in./Rev*		PH1-07 *1.55 cu. in./Rev*		PH1-05 *1.24 cu. in./Rev*		PH1-03 *0.62 cu. in./Rev*	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	**12.6**	**2,500**	**11.0**	**2,900**	**9.4**	**3,250**	**7.9**	**3,500**	**6.3**	**3,500**	**3.1**	**3,500**
1,000	14.0	2,500	12.2	2,900	10.5	3,250	8.7	3,500	7.0	3,500	3.5	3,500
1,100	15.4	2,500	13.4	2,900	11.5	3,250	9.6	3,500	7.7	3,500	3.8	3,500
1,200	**16.7**	**2,500**	**14.7**	**2,900**	**12.6**	**3,250**	**10.5**	**3,500**	**8.4**	**3,500**	**4.2**	**3,500**
1,300	18.1	2,500	15.9	2,900	13.6	3,250	11.3	3,500	9.1	3,500	4.5	3,500
1,400	19.5	2,500	17.1	2,900	14.7	3,250	12.2	3,500	9.8	3,500	4.9	3,500
1,500	**20.9**	**2,500**	**18.3**	**2,900**	**15.7**	**3,250**	**13.1**	**3,500**	**10.5**	**3,500**	**5.2**	**3,500**
1,600	22.3	2,500	19.5	2,900	16.7	3,250	14.0	3,500	11.2	3,500	5.6	3,500
1,700	23.7	2,500	20.8	2,900	17.8	3,250	14.8	3,500	11.9	3,500	5.9	3,500
1,800	**25.1**	**2,500**	**22.0**	**2,900**	**18.8**	**3,250**	**15.7**	**3,500**	**12.6**	**3,500**	**6.3**	**3,500**
1,900	26.5	2,500	23.2	2,900	19.9	3,250	16.6	3,500	13.3	3,500	6.8	3,500

APPROXIMATE FLOW AND PRESSURE FOR PUMP P/N PK1-***-02BSBB-S PAIRED WITH PTO P/N Z21-Z1111-DX1BBBX

	PK1-17 *3.94 cu. in./Rev*		PK1-15 *3.45 cu. in./Rev*		PK1-13 *2.96 cu. in./Rev*		PK1-11 *2.46 cu. in./Rev*		PK1-08 *1.97 cu. in./Rev*		PK1-06 *1.47 cu. in./Rev*	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	20.0	2,500	17.5	2,500	15.0	3,000	12.5	3,000	10.0	3,000	7.4	3,000
1,000	22.2	2,500	19.4	2,500	16.7	3,000	13.8	3,000	11.1	3,000	8.3	3,000
1,100	24.4	2,500	21.4	2,500	18.3	3,000	15.2	3,000	12.2	3,000	9.1	3,000
1,200	26.6	2,500	23.3	2,500	20.0	3,000	16.6	3,000	13.3	3,000	9.9	3,000
1,300	28.8	2,500	25.2	2,500	21.7	3,000	18.0	3,000	14.4	3,000	10.8	3,000
1,400	31.0	2,500	27.2	2,500	23.3	3,000	19.4	3,000	15.5	3,000	11.6	3,000
1,500	33.3	2,500	29.1	2,500	25.0	3,000	20.8	3,000	16.6	3,000	12.4	3,000
1,600	35.5	2,500	31.1	2,500	26.7	3,000	22.2	3,000	17.7	3,000	13.2	3,000
1,700	37.7	2,500	33.0	2,500	28.3	3,000	23.5	3,000	18.8	3,000	14.1	3,000
1,800	39.9	2,500	34.9	2,500	30.0	3,000	24.9	3,000	20.0	3,000	14.9	3,000
1,900	42.1	2,500	36.9	2,500	31.7	3,000	26.3	3,000	21.1	3,000	15.7	3,000

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 130% = PTO output speed. Example: Engine speed of 1,000 RPM would yield the following:

1,000 × 1.3 = 1,300 RPM PTO

A 7 GPM pump (like the PH1-07) would deliver a theoretical output flow of: Disp. × RPM/231

1.55 × 1,300/231 = 8.7 GPM

*** Theoretical Flow Shown.** **Speed shown for pump at 0 in.Hg. vacuum.**

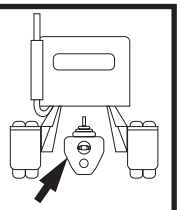
RAM TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ZF 8-BOLT OPENING

TORQUEFLITE HD
ZF POWERLINE
Footnotes (1, 2, & 3)

PTO DRIVE GEAR DATA:
51T 9.42P 20ºPA 22.0º R.H.
LOCATION: Front **PLMF:** 3.891
PLV: 1417 FPM **RPM:** 1,000



8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION	CONTINUOUS RATING @ 1,000 RPM of PTO		INTERMITTENT RATING @ 1,000 RPM of PTO	
								TORQUE	HP	TORQUE	HP
CLUTCH SHIFT	Z25-Z1113-DX3TAPX		Crnk	145	Included	Elec/Hyd		125	24	125	24

FOOTNOTES:

1 Engine driven direct drive PTO gear.
2 Requires RAM wiring connection for PTO activation. Minimum engine speed for PTO use is 900 RPMs.
3 1¼" Round keyed shaft output only usable on 4 × 2 applications, or 4 × 4 trucks with modified transfer case.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

Pump Selection Example:

a. First you need to know the flow and pressure requirement of your application.
b. Next find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
c. If your system requires 6 GPM to operate, then you would look for 6 GPM in the columns. Finding the first one under the pump PF4-502 would give you a pump which will deliver the 6 GPM you require at an engine speed of 900 RPM. You would also get 6 GPM if you select the PF4-424 pump, but you would need to operate the engine at 1,000 RPM.
d. After you have selected the Pump Series and size the complete pump model number can be ordered.

APPROXIMATE FLOW AND PRESSURE FOR PUMP P/N PF4-*-16ASRR PAIRED WITH PTO P/N Z25-Z1113-DX3TAPX**

	PF4-870 *2.01 cu. in./Rev*		PF4-818 *1.83 cu. in./Rev*		PF4-714 *1.71 cu. in./Rev*		PF4-606 *1.4 cu. in./Rev*		PF4-502 *1.16 cu. in./Rev*		PF4-424 *0.98 cu. in./Rev*		PF4-368 *0.85 cu. in./Rev*		PF4-290 *0.73 cu. in./Rev*		PF4-264 *0.61 cu. in./Rev*		PF4-212 *0.49 cu. in./Rev*		PF4-160 *0.37 cu. in./Rev*	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	11.4	2,320	10.2	2,900	9.7	2,900	7.9	3,625	6.6	3,625	5.5	3,625	4.8	3,625	4.1	3,625	3.4	3,625	2.8	3,625	2.1	3,625
1,000	12.6	2,320	11.5	2,900	10.7	2,900	8.8	3,625	7.3	3,625	6.2	3,625	5.3	3,625	4.6	3,625	3.8	3,625	3.1	3,625	2.3	3,625
1,100	13.9	2,320	12.6	2,900	11.8	2,900	9.7	3,625	8.0	3,625	6.8	3,625	5.9	3,625	5.0	3,625	4.2	3,625	3.4	3,625	2.6	3,625
1,200	15.1	2,320	13.8	2,900	12.9	2,900	10.5	3,625	8.7	3,625	7.4	3,625	6.4	3,625	5.5	3,625	4.6	3,625	3.7	3,625	2.8	3,625
1,300	16.4	2,320	14.9	2,900	14.0	2,900	11.4	3,625	9.5	3,625	8.0	3,625	6.9	3,625	6.0	3,625	5.0	3,625	4.0	3,625	3.0	3,625
1,400	17.7	2,320	16.1	2,900	15.0	2,900	12.3	3,625	10.2	3,625	8.6	3,625	7.5	3,625	6.4	3,625	5.4	3,625	4.3	3,625	3.3	3,625
1,500	18.9	2,320	17.2	2,900	16.1	2,900	13.2	3,625	10.9	3,625	9.2	3,625	8.0	3,625	6.9	3,625	5.7	3,625	4.6	3,625	3.5	3,625
1,600	20.2	2,320	18.4	2,900	17.2	2,900	14.1	3,625	11.7	3,625	9.8	3,625	8.5	3,625	7.3	3,625	6.1	3,625	4.9	3,625	3.7	3,625
1,700	21.4	2,320	19.5	2,900	18.2	2,900	14.9	3,625	12.4	3,625	10.5	3,625	9.1	3,625	7.8	3,625	6.5	3,625	5.2	3,625	3.9	3,625
1,800	RPM EXCEEDS PUMP LIMIT								13.1	3,625	11.1	3,625	9.6	3,625	8.2	3,625	6.9	3,625	5.5	3,625	4.2	3,625
1,900									13.8	3,625	11.7	3,625	10.1	3,625	8.7	3,625	7.3	3,625	5.8	3,625	4.4	3,625

APPROXIMATE FLOW AND PRESSURE FOR PUMP P/N 24FXG-*-D00000 PAIRED WITH PTO P/N Z25-Z1113-DX3UUPX**

	016		025	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI
900	5.8	6.525	8.9	6.525
1,000	6.5	6.525	9.9	6.525
1,100	7.2	6.525	10.8	6.525
1,200	7.8	6.525	11.8	6.525
1,300	8.4	6.525	12.8	6.525
1,400	9.1	6.525	13.8	6.525
1,500	9.7	6.525	14.8	6.525

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 145% = PTO output speed. Example: Engine speed of 1,000 RPM would yield the following:

1,000 × 1.45 = 1,450 RPM PTO

A .98 cubic inch pump like PF4-424 would deliver a theoretical output flow of: Disp. x RPM/ 231

0.98 × 1,450/231 = 6.2 GPM

*** Theoretical Flow Shown.**

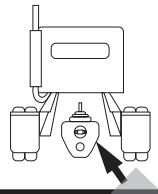
Speed shown for pump at 0 in.Hg. vacuum.

RENAULT TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT METRIC OPENING

PTO DRIVE GEAR DATA:
37T 6.7733P 22.5°PA 23.8656° R.H.
LOCATION: Front **PLMF:** 1.024
PLV: 960 FPM **RPM:** 614



G405-1, T-105 (MACK)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-R6805-C1BX	1, 2	Opp	44					20MKM104	Cable	270	51
	TG6S-R6806-C1BX	1, 2	Opp	58					20MKM104	Cable	245	47
	TG6S-R6807-C1BX	1, 2	Opp	68					20MKM104	Cable	230	44
	TG6S-R6808-C1BX	1, 2	Opp	83					20MKM104	Cable	230	44
	TG6S-R6809-C1BX	1, 2	Opp	87					20MKM104	Cable	205	39
	TG6S-R6812-C1BH	1, 2	Opp	107					20MKM104	Cable	210	40
	TG6S-R6813-C1BH	1, 2	Opp	122					20MKM104	Cable	210	40
	TG6S-R6815-C1BH	1, 2	Opp	137					20MKM104	Cable	195	37
	TG6S-R6818-C1BH	1, 2	Opp	162					20MKM104	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

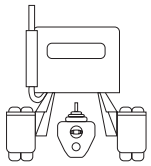
1 TG Series input gear: #03T35360 — Refer to kit program on pages 27-29.
2 Metric stud kit shown.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

RENAULT TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



MUNCIE

G405-1, T-105 (MACK)

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

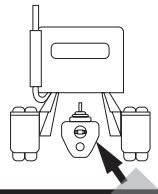
FOOTNOTES:

RENAULT TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT METRIC OPENING

PTO DRIVE GEAR DATA:
37T 6.7733P 22.5°PA 23.8656° R.H.
LOCATION: Front **PLMF:** 1.024
PLV: 857 FPM **RPM:** 548



G405-0, T-105A (MACK)
G406-0, T-1060A (MACK)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-R6806-C1BX	1, 2	Opp	52					20MKM104	Cable	245	47
	TG6S-R6807-C1BX	1, 2	Opp	61					20MKM104	Cable	230	44
	TG6S-R6808-C1BX	1, 2	Opp	75					20MKM104	Cable	230	44
	TG6S-R6809-C1BX	1, 2	Opp	78					20MKM104	Cable	205	39
	TG6S-R6812-C1BH	1, 2	Opp	96					20MKM104	Cable	210	40
	TG6S-R6813-C1BH	1, 2	Opp	109					20MKM104	Cable	210	40
	TG6S-R6815-C1BH	1, 2	Opp	123					20MKM104	Cable	195	37
	TG6S-R6818-C1BH	1, 2	Opp	145					20MKM104	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION | No Adapter Available | REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

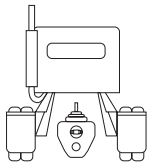
1 TG Series input gear: #03T35360 — Refer to kit program on pages 27-29.
2 Metric stud kit shown.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

RENAULT TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



G405-0, T-105A (MACK)
G406-0, T-1060A (MACK)

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

RENAULT TRANSMISSION

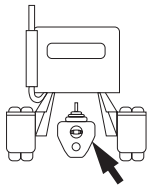
RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

BDSL-181, BDSL-2052R

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P2039-A1KX	1	OPP	75					INCLUDED	AIR	184	35
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see page 24)
- ASSEMBLY ARRANGEMENT (see page 24)
- OUTPUT SHAFT (see page 24)
- SPECIAL OPTIONS (see page 24)

EX: TG 6S - U68 07 - C 1 B X

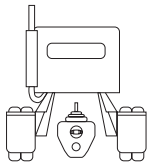
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount SAE “B” option shown. See page 24 in General Information. 100 series companion flange available, output option “B”.
2 Air shift option available.

RENAULT TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)



BDSL-181, BDSL-2052R

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

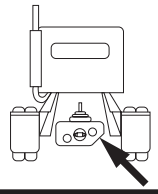
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

1007-2A (301117, 301206), 1062A (301101), 1064A (301102), 1207-2A (301195), 1362A (301169), 1462A (301173)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.471
PLV: 982 FPM **RPM:** 500



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C1BX	1, 4	Crnk	44			40TU6800	23M61500+23M60093S	20MK6627	Cable	270	51
	TG6S-U6806-C1BX	1, 4	Crnk	57			40TU6800	23M61500+23M60093S	20MK6627	Cable	245	47
	TG6S-U6807-C1BX	1, 4	Crnk	68			40TU6800	23M61500+23M60093S	20MK6627	Cable	230	44
	TG6S-U6808-C1BX	1, 4	Crnk	83			40TU6800	23M61500+23M60093S	20MK6627	Cable	230	44
	TG6S-U6809-C1BX	1, 4	Crnk	87			40TU6800	23M61500+23M60093S	20MK6627	Cable	205	39
	TG6S-U6812-C1BH	1, 4	Crnk	107			40TU6800	23M61500+23M60093S	20MK6627	Cable	210	40
	TG6S-U6813-C1BH	1, 4	Crnk	122			40TU6800	23M61500+23M60093S	20MK6627	Cable	210	40
	TG6S-U6815-C1BH	1, 4	Crnk	137			40TU6800	23M61500+23M60093S	20MK6627	Cable	195	37
	TG6S-U6818-C1BH	1, 4	Crnk	162			40TU6800	23M61500+23M60093S	20MK6627	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	4	Crnk	65			40TU6800	23M61500+23M60093S	20MK6627	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Crnk	81			40TU6800	23M61500+23M60093S	20MK6627	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Crnk	107			40TU6800	23M61500+23M60093S	20MK6627	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6807-E1BX	4	Crnk	65			40TU6800	23M61500+23M60093S	20MK6627	Power	300	57
	CS6S-U6809-E1BX	4	Crnk	81			40TU6800	23M61500+23M60093S	20MK6627	Power	275	52
	CS6S-U6812-E1BX	4	Crnk	107			40TU6800	23M61500+23M60093S	20MK6627	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	2, 5	Crnk	51		51	40TU6800	23M61500+23M60093S	20MK6629	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Requires 23M60200S spacer between PTO and adapter. Not supplied.
3 Requires 23M60032S spacer between PTO and adapter. Not supplied.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6629.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

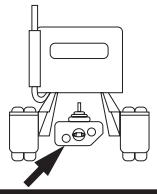
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

1007-2A (301117, 301206), 1062A (301101), 1064A (301102), 1207-2A (301195), 1362A (301169), 1462A (301173)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.316
PLV: 982 FPM **RPM:** 500



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C1BX	1, 2	Crnk	44			40TU6886-1	23M80062	Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2	Crnk	57			40TU6886-1	23M80062	Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2	Crnk	68			40TU6886-1	23M80062	Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2	Crnk	83			40TU6886-1	23M80062	Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2	Crnk	87			40TU6886-1	23M80062	Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2	Crnk	107			40TU6886-1	23M80062	Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2	Crnk	122			40TU6886-1	23M80062	Included	Cable	210	40
	TG6S-U6815-C1BH	1, 2	Crnk	137			40TU6886-1	23M80062	Included	Cable	195	37
	TG6S-U6818-C1BH	1, 2	Crnk	162			40TU6886-1	23M80062	Included	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	2	Crnk	65			40TU6886-1	23M80062	Included	Elec/Air	400	76
	SH6S-U6809-E1BX	2	Crnk	81			40TU6886-1	23M80062	Included	Elec/Air	375	71
	SH6S-U6812-E1BX	2	Crnk	107			40TU6886-1	23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6807-E1BX	2	Crnk	65			40TU6886-1	23M80062	Included	Power	300	57
	CS6S-U6809-E1BX	2	Crnk	81			40TU6886-1	23M80062	Included	Power	275	52
	CS6S-U6812-E1BX	2	Crnk	107			40TU6886-1	23M80062	Included	Power	275	52
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

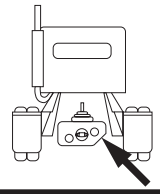
1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.

2 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



1010-2A (301111), 1010-4A (301112), 1020-2A (301123), 1020-4A (301124), 1410-2A (301288, 301161)

PTO DRIVE GEAR DATA:
49T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.138
PLV: 1029 FPM **RPM:** 481

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6805-C1BX	1	Opp	42				23M60140S	20MK6602	Cable	270	51
	TG6D-S6806-C1BX	1	Opp	55				23M60140S	20MK6602	Cable	245	47
	TG6D-S6807-C1BX	1	Opp	65				23M60140S	20MK6602	Cable	230	44
	TG6D-S6808-C1BX	1	Opp	80				23M60140S	20MK6602	Cable	230	44
	TG6D-S6809-C1BX	1	Opp	83				23M60140S	20MK6602	Cable	205	39
	TG6D-S6812-C1BH	1	Opp	102				23M60140S	20MK6602	Cable	210	40
	TG6D-S6813-C1BH	1	Opp	116				23M60140S	20MK6602	Cable	210	40
	TG6D-S6815-C1BH	1	Opp	131				23M60140S	20MK6602	Cable	195	37
	TG6D-S6818-C1BH	1	Opp	155				23M60140S	20MK6602	Cable	175	33
SH SERIES	SH6D-S6807-E1BX		Opp	63				23M60140S	20TK4433	Elec/Air	400	76
	SH6D-S6809-E1BX		Opp	78				23M60140S	20TK4433	Elec/Air	375	71
	SH6D-S6812-E1BX		Opp	104				23M60140S	20TK4433	Elec/Air	325	62
CLUTCH SHIFT	CS6D-S6807-E1BX		Opp	63				23M60140S	20TK4433	Power	300	57
	CS6D-S6809-E1BX		Opp	78				23M60140S	20TK4433	Power	275	52
	CS6D-S6812-E1BX		Opp	104				23M60140S	20TK4433	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	54		54		23M60140S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6800 + 23M61500 + 23M60450 + 20MK6629						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1: **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B: **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X: **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series and SH Series to U68 input gear. 23M60200S + 20MK6631 required for RL on PTO side of adapter.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

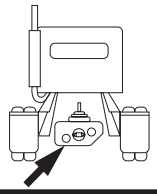
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

1010-2A (301111), 1010-4A (301112), 1020-2A (301123), 1020-4A (301124), 1410-2A (301288, 301161)

PTO DRIVE GEAR DATA:
49T 6P 20° PA Spur
LOCATION: Front **PLMF:** .983
PLV: 1029 FPM **RPM:** 481



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8D-S6805-C1BX	1	Opp	42					Included	Cable	270	51
	TG8D-S6806-C1BX	1	Opp	55					Included	Cable	245	47
	TG8D-S6807-C1BX	1	Opp	65					Included	Cable	230	44
	TG8D-S6808-C1BX	1	Opp	80					Included	Cable	230	44
	TG8D-S6809-C1BX	1	Opp	83					Included	Cable	205	39
	TG8D-S6812-C1BH	1	Opp	102					Included	Cable	210	40
	TG8D-S6813-C1BH	1	Opp	116					Included	Cable	210	40
	TG8D-S6815-C1BH	1	Opp	131					Included	Cable	195	37
	TG8D-S6818-C1BH	1	Opp	155					Included	Cable	175	33
SH SERIES	SH8D-S6807-E1BX		Opp	63					Included	Elec/Air	400	76
	SH8D-S6809-E1BX		Opp	78					Included	Elec/Air	375	71
	SH8D-S6812-E1BX		Opp	104					Included	Elec/Air	325	62
	SH8D-S6813-E1BX		Opp	120					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8D-S6807-E1BX		Opp	63					Included	Power	300	57
	CS8D-S6809-E1BX		Opp	78					Included	Power	275	52
	CS8D-S6812-E1BX		Opp	104					Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	54		54	29MK8248	23M60062S	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80375 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

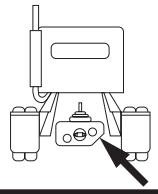
1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing and U68 input (TG6S, CS6S and SH6S respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



1010-3B (301115), 1020-3A (301125), 1020-5A (301126), 1410-3B (301165)
Footnote (1)

PTO DRIVE GEAR DATA:
48T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.221
PLV: 1309 FPM **RPM:** 625

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6804-C1BX	2	Opp	41				23M60062S	Included	Cable	285	54
	TG6D-S6805-C1BX	2	Opp	54				23M60062S	Included	Cable	270	51
	TG6D-S6806-C1BX	2	Opp	70				23M60062S	Included	Cable	245	47
	TG6D-S6807-C1BX	2	Opp	83				23M60062S	Included	Cable	230	44
	TG6D-S6808-C1BX	2	Opp	102				23M60062S	Included	Cable	230	44
	TG6D-S6809-C1BX	2	Opp	106				23M60062S	Included	Cable	205	39
	TG6D-S6812-C1BH	2	Opp	130				23M60062S	Included	Cable	210	40
	TG6D-S6813-C1BH	2	Opp	148				23M60062S	Included	Cable	210	40
	TG6D-S6815-C1BH	2	Opp	167				23M60062S	Included	Cable	195	37
	TG6D-S6818-C1BH	2	Opp	198				23M60062S	Included	Cable	175	33
SH SERIES	SH6D-S6807-E1BX		Opp	80				23M60062S	Included	Elec/Air	400	76
	SH6D-S6809-E1BX		Opp	100				23M60062S	Included	Elec/Air	375	71
	SH6D-S6812-E1BX		Opp	132				23M60062S	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6D-S6807-E1BX		Opp	80				23M60062S	Included	Power	300	57
	CS6D-S6809-E1BX		Opp	100				23M60062S	Included	Power	275	52
	CS6D-S6812-E1BX		Opp	132				23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	5	Opp	68		68		23M60062S	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6800 + 23M61500 + 23M60270 + 20MK6629						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speeds shown are with transmission in low range. For speeds in high range, multiply by 1.28.
2 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
3 Change TG Series, CS Series and SH Series to U68 input gear. RL Series requires 23M60200S + 20MK6631 on PTO side of adapter.
4 Requires 23M60032S spacer between PTO and adapter. Not supplied.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

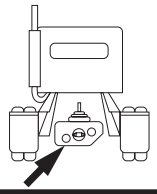
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

1010-3B (301115), 1020-3A (301125), 1020-5A (301126), 1410-3B (301165)
Footnote (1)

PTO DRIVE GEAR DATA:
48T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.066
PLV: 1309 FPM **RPM:** 625



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8M-S6804-C1BX	2, 3	Opp	41					Included	Cable	285	54
	TG8M-S6805-C1BX	2, 3	Opp	54					Included	Cable	270	51
	TG8M-S6806-C1BX	2, 3	Opp	70					Included	Cable	245	47
	TG8M-S6807-C1BX	2, 3	Opp	83					Included	Cable	230	44
	TG8M-S6808-C1BX	2, 3	Opp	102					Included	Cable	230	44
	TG8M-S6809-C1BX	2, 3	Opp	106					Included	Cable	205	39
	TG8M-S6812-C1BH	2, 3	Opp	130					Included	Cable	210	40
	TG8M-S6813-C1BH	2, 3	Opp	148					Included	Cable	210	40
	TG8M-S6815-C1BH	2, 3	Opp	167					Included	Cable	195	37
	TG8M-S6818-C1BH	2, 3	Opp	198					Included	Cable	175	33
SH SERIES	SH6D-S6807-E1BX		Opp	80			29MK8248		Included	Elec/Air	400	76
	SH6D-S6809-E1BX		Opp	100			29MK8248		Included	Elec/Air	375	71
	SH6D-S6812-E1BX		Opp	132			29MK8248		Included	Elec/Air	325	62
CLUTCH SHIFT	CS6D-S6807-E1BX		Opp	80			29MK8248		Included	Power	300	57
	CS6D-S6809-E1BX		Opp	100			29MK8248		Included	Power	275	52
	CS6D-S6812-E1BX		Opp	132			29MK8248		Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	5	Opp	68		68	29MK8248		Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TU6886-1 + 23M80295 + 20MK8814. Use U68 input gear.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speeds shown are with transmission in low range. For speeds in high range, multiply by 1.28.
2 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
3 TG Series 8M Housing #01T35032. — Not available in kit program.
4 Change TG Series, CS Series and SH Series to 6-bolt PTO housing and U68 input gear (TG6S, CS6S and SH6S respectively). RL Series requires 23M60200S + 20MK6603 on PTO side of adapter.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

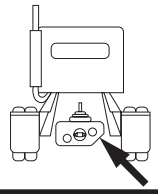
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

1062B (301103), 1062D (301148), 1064B (301104), 1064D (301149), 1272B (301158), 1274B (301159)

PTO DRIVE GEAR DATA:
48T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.221
PLV: 1048 FPM **RPM:** 500



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6805-C1BX	1	Opp	44				23M60062S	Included	Cable	270	51
	TG6D-S6806-C1BX	1	Opp	56				23M60062S	Included	Cable	245	47
	TG6D-S6807-C1BX	1	Opp	67				23M60062S	Included	Cable	230	44
	TG6D-S6808-C1BX	1	Opp	80				23M60062S	Included	Cable	230	44
	TG6D-S6809-C1BX	1	Opp	84				23M60062S	Included	Cable	205	39
	TG6D-S6812-C1BH	1	Opp	103				23M60062S	Included	Cable	210	40
	TG6D-S6813-C1BH	1	Opp	117				23M60062S	Included	Cable	210	40
	TG6D-S6815-C1BH	1	Opp	132				23M60062S	Included	Cable	195	37
	TG6D-S6818-C1BH	1	Opp	157				23M60062S	Included	Cable	175	33
SH SERIES	SH6D-S6807-E1BX		Opp	64				23M60062S	Included	Elec/Air	400	76
	SH6D-S6809-E1BX		Opp	80				23M60062S	Included	Elec/Air	375	71
	SH6D-S6812-E1BX		Opp	106				23M60062S	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6D-S6807-E1BX		Opp	64				23M60062S	Included	Power	300	57
	CS6D-S6809-E1BX		Opp	80				23M60062S	Included	Power	275	52
	CS6D-S6812-E1BX		Opp	106				23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	4	Opp	54		54		23M60062S	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6800 + 23M61500 + 23M60300 + 20MK6629						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1: **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B: **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X: **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series and SH Series to U68 input gear. RL Series requires 23M60200S + 20MK6603 on PTO side of adapter.
3 Requires 23M60032S spacer between PTO and adapter. Not supplied.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

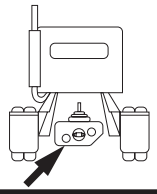
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

**1062B (301103), 1062D (301148),
1064B (301104), 1064D (301149),
1272B (301158), 1274B (301159)**

PTO DRIVE GEAR DATA:
48T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.066
PLV: 1048 FPM **RPM:** 500



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8M-S6805-C1BX	1, 2	Opp	44					Included	Cable	270	51
	TG8M-S6806-C1BX	1, 2	Opp	56					Included	Cable	245	47
	TG8M-S6807-C1BX	1, 2	Opp	67					Included	Cable	230	44
	TG8M-S6808-C1BX	1, 2	Opp	80					Included	Cable	230	44
	TG8M-S6809-C1BX	1, 2	Opp	84					Included	Cable	205	39
	TG8M-S6812-C1BH	1, 2	Opp	103					Included	Cable	210	40
	TG8M-S6813-C1BH	1, 2	Opp	117					Included	Cable	210	40
	TG8M-S6815-C1BH	1, 2	Opp	132					Included	Cable	195	37
	TG8M-S6818-C1BH	1, 2	Opp	157					Included	Cable	175	33
SH SERIES	SH6D-S6807-E1BX		Opp	64			29MK8248		Included	Elec/Air	400	76
	SH6D-S6809-E1BX		Opp	80			29MK8248		Included	Elec/Air	375	71
	SH6D-S6812-E1BX		Opp	106			29MK8248		Included	Elec/Air	325	62
CLUTCH SHIFT	CS6D-S6807-E1BX		Opp	64			29MK8248		Included	Power	300	57
	CS6D-S6809-E1BX		Opp	80			29MK8248		Included	Power	275	52
	CS6D-S6812-E1BX		Opp	106			29MK8248		Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80295 + 20MK8814. Use U68 input gear.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, & 8)
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

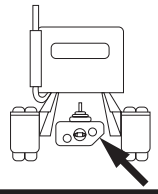
1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
2 TG Series 8M Housing #01T35032. — Not available in kit program.
3 Change TG Series to 6-bolt PTO housing and TG, CS and SH to U68 input gear (TG6S, CS6S and SH6S respectively).
RL Series requires 23M60200S + 20MK6603 on PTO side of adapter.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



1214-3A (301130, 301212),
1214-5A (301131, 301213)
Footnote (1)

PTO DRIVE GEAR DATA:
54T 6P 20° PA Spur
LOCATION: Front **PLMF:** .721
PLV: 1346 FPM **RPM:** 571

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C1BX	2, 5	Opp	46				23M60300+23M60032S	20MK6604	Cable	285	54
	TG6S-X6805-C1BX	2, 5	Opp	60				23M60300+23M60032S	20MK6604	Cable	270	51
	TG6S-X6806-C1BX	2, 5	Opp	79				23M60300+23M60032S	20MK6604	Cable	245	47
	TG6S-X6807-C1BX	2, 5	Opp	93				23M60300+23M60032S	20MK6604	Cable	230	44
	TG6S-X6808-C1BX	2, 5	Opp	113				23M60300+23M60032S	20MK6604	Cable	230	44
	TG6S-X6809-C1BX	2, 5	Opp	118				23M60300+23M60032S	20MK6604	Cable	205	39
	TG6S-X6812-C1BH	2, 5	Opp	146				23M60300+23M60032S	20MK6604	Cable	210	40
	TG6S-X6813-C1BH	2, 5	Opp	165				23M60300+23M60032S	20MK6604	Cable	210	40
	TG6S-X6815-C1BH	2, 5	Opp	186				23M60300+23M60032S	20MK6604	Cable	195	37
	TG6S-X6818-C1BH	2, 5	Opp	221				23M60300+23M60032S	20MK6604	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	5	Opp	89				23M60300	20TK4434	Elec/Air	400	76
	SH6S-U6809-E1BX	5	Opp	111				23M60300	20TK4434	Elec/Air	375	71
	SH6S-U6812-E1BX	5	Opp	147				23M60300	20TK4434	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6807-E1BX	5	Opp	89				23M60300	20TK4434	Power	300	57
	CS6S-U6809-E1BX	5	Opp	111				23M60300	20TK4434	Power	275	52
	CS6S-U6812-E1BX	5	Opp	147				23M60300	20TK4434	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	4	Opp	70		70		23M60500	20MK6605	Lever	200	38
ADAPTER TO CHANGE ROTATION		3, 4	40TU6810-1 + 23M60300 + 220MK6604						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speeds shown are with transmission in low range. For speeds in high range, multiply by .84.
2 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
3 The TG Series TG6S-X68 input gear requires 23M60032S used on PTO side of adapter. Not included.
4 Do not use for continuous duty applications.
5 Optional: X68 and U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6606 (20TK4436 for SH or CS).

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

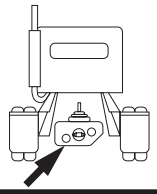
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

1214-3A (301130, 301212),
1214-5A (301131, 301213)
Footnote (1)

PTO DRIVE GEAR DATA:
54T 6P 20° PA Spur
LOCATION: Front **PLMF:** .566
PLV: 1346 FPM **RPM:** 571



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	2, 4	Opp	46				23M80248	20MK8817	Cable	285	54
	TG8S-X6805-C1BX	2, 4	Opp	60				23M80248	20MK8817	Cable	270	51
	TG8S-X6806-C1BX	2, 4	Opp	79				23M80248	20MK8817	Cable	245	47
	TG8S-X6807-C1BX	2, 4	Opp	93				23M80248	20MK8817	Cable	230	44
	TG8S-X6808-C1BX	2, 4	Opp	113				23M80248	20MK8817	Cable	230	44
	TG8S-X6809-C1BX	2, 4	Opp	118				23M80248	20MK8817	Cable	205	39
	TG8S-X6812-C1BH	2, 4	Opp	146				23M80248	20MK8817	Cable	210	40
	TG8S-X6813-C1BH	2, 4	Opp	165				23M80248	20MK8817	Cable	210	40
	TG8S-X6815-C1BH	2, 4	Opp	186				23M80248	20MK8817	Cable	195	37
	TG8S-X6818-C1BH	2, 4	Opp	221				23M80248	20MK8817	Cable	175	33
SH SERIES	SH8S-U6807-E1BX	4	Opp	89				23M80248	20MK8817	Elec/Air	400	76
	SH8S-U6809-E1BX	4	Opp	111				23M80248	20MK8817	Elec/Air	375	71
	SH8S-U6812-E1BX	4	Opp	147				23M80248	20MK8817	Elec/Air	325	62
	SH8S-U6813-E1BX	4	Opp	171				23M80248	20MK8817	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6807-E1BX	4	Opp	89				23M80248	20MK8817	Power	300	57
	CS8S-U6809-E1BX	4	Opp	111				23M80248	20MK8817	Power	275	52
	CS8S-U6812-E1BX	4	Opp	147				23M80248	20MK8817	Power	275	52
	CS8S-U6814-E1BX		Opp	184				23M80248	20MK8817	Power	275	52
1 FWD. 1 REV.	RL8S-U6805-L3BX	5	Opp	70		70		23M80248	20MK8817	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80248 + 20MK8807						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	43				23M80248	20MK8817	Lever	500	95
	828S-U6808-L1CX		Opp	68				23M80248	20MK8817	Lever	450	85
	828S-U6809-L1CX		Opp	84				23M80248	20MK8817	Lever	410	78
	828S-U6810-L1CX		Opp	91				23M80248	20MK8817	Lever	410	78
	828S-U6812-L1CX		Opp	104				23M80248	20MK8817	Lever	375	71
	828S-U6813-L1CX		Opp	121				23M80248	20MK8817	Lever	375	71
	828S-U6815-L1CX		Opp	132				23M80375	20MK8804	Lever	350	67
	828S-U6819-L1CX		Opp	162				23M80500	20MK8816	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

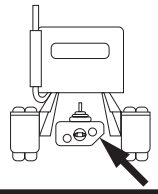
1 Speeds shown are with transmission in low range. For speeds in high range, multiply by .84.
2 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
3 Change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing and TG to U68 input gear (TG6S, CS6S, SH6S, and RL6D respectively). RL Series add 23M60200S + 20MK6603 on PTO side of adapter.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and change stud kit to 20MK8814.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



1252A (301094),
1254A (301095), 1452A (301183)

PTO DRIVE GEAR DATA:
44T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.554
PLV: 1034 FPM **RPM:** 538

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C1BX	1, 2	Crnk	46			40TU6800	23M61500	20MK6627	Cable	270	51
	TG6S-U6806-C1BX	1, 2	Crnk	60			40TU6800	23M61500	20MK6627	Cable	245	47
	TG6S-U6807-C1BX	1, 2	Crnk	71			40TU6800	23M61500	20MK6627	Cable	230	44
	TG6S-U6808-C1BX	1, 2	Crnk	87			40TU6800	23M61500	20MK6627	Cable	230	44
	TG6S-U6809-C1BX	1, 2	Crnk	91			40TU6800	23M61500	20MK6627	Cable	205	39
	TG6S-U6812-C1BH	1, 2	Crnk	112			40TU6800	23M61500	20MK6627	Cable	210	40
	TG6S-U6813-C1BH	1, 2	Crnk	127			40TU6800	23M61500	20MK6627	Cable	210	40
	TG6S-U6815-C1BH	1, 2	Crnk	143			40TU6800	23M61500	20MK6627	Cable	195	37
	TG6S-U6818-C1BH	1, 2	Crnk	170			40TU6800	23M61500	20MK6627	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	2	Crnk	68			40TU6800	23M61500	20MK6627	Elec/Air	400	76
	SH6S-U6809-E1BX	2	Crnk	85			40TU6800	23M61500	20MK6627	Elec/Air	375	71
	SH6S-U6812-E1BX	2	Crnk	113			40TU6800	23M61500	20MK6627	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6807-E1BX	2	Crnk	68			40TU6800	23M61500	20MK6627	Power	300	57
	CS6S-U6809-E1BX	2	Crnk	85			40TU6800	23M61500	20MK6627	Power	275	52
	CS6S-U6812-E1BX	2	Crnk	113			40TU6800	23M61500	20MK6627	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Crnk	54		54	40TU6800	23M60200S+23M61500	20MK6629	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6629.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

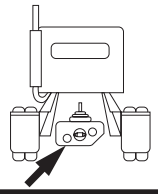
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

1252A (301094),
1254A (301095), 1452A (301183)

PTO DRIVE GEAR DATA:
44T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.400
PLV: 1034 FPM **RPM:** 538



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - PTO SERIES & HOUSING DESIGNATOR
- U68 - GEAR PITCH
- 07 - INTERNAL RATIO
- C - SHIFT OPTIONS
- 1 - ASSEMBLY ARRANGEMENT)
- B - OUTPUT SHAFT
- X - SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

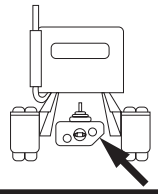
FOOTNOTES:

1 Other PTO's are not available on this application due to non-standard mounting depth. 6-bolt adapters are not approved on bottom openings.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



1253A (301096), 1255A (301097), 1453A (301185)

PTO DRIVE GEAR DATA:
51T 6P 20° PA Spur
LOCATION: Front **PLMF:** .971
PLV: 1515 FPM **RPM:** 680

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C1BX	1, 4	Opp	52				23M60165S	20MK6603	Cable	285	54
	TG6S-X6805-C1BX	1, 4	Opp	68				23M60165S	20MK6603	Cable	270	51
	TG6S-X6806-C1BX	1, 4	Opp	88				23M60165S	20MK6603	Cable	245	47
	TG6S-X6807-C1BX	1, 4	Opp	105				23M60165S	20MK6603	Cable	230	44
	TG6S-X6808-C1BX	1, 4	Opp	128				23M60165S	20MK6603	Cable	230	44
	TG6S-X6809-C1BX	1, 4	Opp	134				23M60165S	20MK6603	Cable	205	39
	TG6S-X6812-C1BH	1, 4	Opp	164				23M60165S	20MK6603	Cable	210	40
	TG6S-X6813-C1BH	1, 4	Opp	187				23M60165S	20MK6603	Cable	210	40
	TG6S-X6815-C1BH	1, 4	Opp	211				23M60165S	20MK6603	Cable	195	37
	TG6S-X6818-C1BH	1, 4	Opp	250				23M60165S	20MK6603	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	68				23M60165S	20TK4433	Elec/Air	400	76
	SH6S-U6807-E1BX	4	Opp	100				23M60165S	20TK4433	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Opp	125				23M60165S	20TK4433	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Opp	166				23M60165S	20TK4433	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Opp	68				23M60165S	20TK4433	Power	300	57
	CS6S-U6806-E1BX		Opp	80				23M60165S	20TK4433	Power	300	57
	CS6S-U6807-E1BX	4	Opp	100				23M60165S	20TK4433	Power	300	57
	CS6S-U6809-E1BX	4	Opp	125				23M60165S	20TK4433	Power	275	52
	CS6S-U6812-E1BX	4	Opp	166				23M60165S	20TK4433	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	79		79		23M60300	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		2, 3	40TU6810-1 + 23M60140S + 20MK6602						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series to TG6S-U68 input gear. RL Series requires 23M60200S + 20MK6603 on PTO side of adapter.
3 Do not use for continuous duty applications.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6605 (20TK4435 for SH or CS).

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

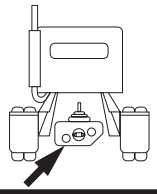
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

1253A (301096), 1255A (301097), 1453A (301185)

PTO DRIVE GEAR DATA:
51T 6P 20° PA Spur
LOCATION: Front **PLMF:** .816
PLV: 1515 FPM **RPM:** 680



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	1, 3	Opp	52				23M80062	Included	Cable	285	54
	TG8S-X6805-C1BX	1, 3	Opp	68				23M80062	Included	Cable	270	51
	TG8S-X6806-C1BX	1, 3	Opp	88				23M80062	Included	Cable	245	47
	TG8S-X6807-C1BX	1, 3	Opp	105				23M80062	Included	Cable	230	44
	TG8S-X6808-C1BX	1, 3	Opp	128				23M80062	Included	Cable	230	44
	TG8S-X6809-C1BX	1, 3	Opp	134				23M80062	Included	Cable	205	39
	TG8S-X6812-C1BH	1, 3	Opp	164				23M80062	Included	Cable	210	40
	TG8S-X6813-C1BH	1, 3	Opp	187				23M80062	Included	Cable	210	40
	TG8S-X6815-C1BH	1, 3	Opp	211				23M80062	Included	Cable	195	37
	TG8S-X6818-C1BH	1, 3	Opp	250				23M80062	Included	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	68				23M80062	Included	Elec/Air	400	76
	SH8S-U6807-E1BX	3	Opp	100				23M80062	Included	Elec/Air	400	76
	SH8S-U6809-E1BX	3	Opp	125				23M80062	Included	Elec/Air	375	71
	SH8S-U6812-E1BX	3	Opp	166				23M80062	Included	Elec/Air	325	62
	SH8S-U6813-E1BX		Opp	192				23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	68				23M80062	Included	Power	300	57
	CS8S-U6806-E1BX		Opp	80				23M80062	Included	Power	300	57
	CS8S-U6807-E1BX	3	Opp	100				23M80062	Included	Power	300	57
	CS8S-U6809-E1BX	3	Opp	125				23M80062	Included	Power	275	52
	CS8S-U6812-E1BX	3	Opp	166				23M80062	Included	Power	275	52
	CS8S-U6814-E1BX		Opp	208				23M80062	Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6805-L3BX	4	Opp	79		79		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	48					Included	Lever	500	95
	828S-U6808-L1CX		Opp	77					Included	Lever	450	85
	828S-U6809-L1CX		Opp	94					Included	Lever	410	78
	828S-U6810-L1CX		Opp	102					Included	Lever	410	78
	828S-U6812-L1CX		Opp	117					Included	Lever	375	71
	828S-U6813-L1CX		Opp	136					Included	Lever	375	71
	828S-U6815-L1CX		Opp	148				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L1CX		Opp	183				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

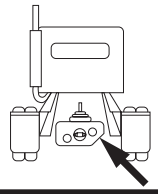
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing and TG to U68 input gear (TG6S, CS6S, SH6S, and RL6D respectively). RL Series requires 23M60200S + 20MK6603 on PTO side of adapter.
3 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



1253B (301098), 1255B (301099), 1453B (301187)

PTO DRIVE GEAR DATA:
55T 6P 20° PA Spur
LOCATION: Front **PLMF:** .638
PLV: 1634 FPM **RPM:** 680

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C1BX	1, 5	Opp	56				23M60400	20MK6605	Cable	285	54
	TG6S-X6805-C1BX	1, 5	Opp	73				23M60400	20MK6605	Cable	270	51
	TG6S-X6806-C1BX	1, 5	Opp	95				23M60400	20MK6605	Cable	245	47
	TG6S-X6807-C1BX	1, 5	Opp	113				23M60400	20MK6605	Cable	230	44
	TG6S-X6808-C1BX	1, 5	Opp	138				23M60400	20MK6605	Cable	230	44
	TG6S-X6809-C1BX	1, 5	Opp	144				23M60400	20MK6605	Cable	205	39
	TG6S-X6812-C1BH	1, 5	Opp	177				23M60400	20MK6605	Cable	210	40
	TG6S-X6813-C1BH	1, 5	Opp	201				23M60400	20MK6605	Cable	210	40
	TG6S-X6815-C1BH	1, 5	Opp	227				23M60400	20MK6605	Cable	195	37
	TG6S-X6818-C1BH	1, 5	Opp	269				23M60400	20MK6605	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	73				23M60400	20TK4435	Elec/Air	400	76
	SH6S-U6807-E1BX	5	Opp	108				23M60400	20TK4435	Elec/Air	400	76
	SH6S-U6809-E1BX	5	Opp	135				23M60400	20TK4435	Elec/Air	375	71
	SH6S-U6812-E1BX	5	Opp	179				23M60400	20TK4435	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Opp	73				23M60400	20TK4435	Power	300	57
	CS6S-U6806-E1BX		Opp	87				23M60400	20TK4435	Power	300	57
	CS6S-U6807-E1BX	5	Opp	108				23M60400	20TK4435	Power	300	57
	CS6S-U6809-E1BX	5	Opp	135				23M60400	20TK4435	Power	275	52
	CS6S-U6812-E1BX	5	Opp	179				23M60400	20TK4435	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	2, 4	Opp	41		41		23M60062S+23M60500	20MK6605	Lever	200	38
	RL6D-U6805-L3BX	4	Opp	85		85		23M60062S+23M60500	20MK6605	Lever	200	38
ADAPTER TO CHANGE ROTATION		3, 4	40TU6810-1 + 23M60350 + 20MK6605						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Change TG Series to TG6S-U68 input gear. RL Series requires 23M60200S + 20MK6603 on PTO side of adapter.
4 Do not use for continuous duty applications.
5 Optional: X68 and U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6607 (20TK4436 for SH or CS).

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

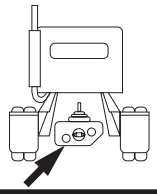
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

1253B (301098), 1255B (301099), 1453B (301187)

PTO DRIVE GEAR DATA:
55T 6P 20° PA Spur
LOCATION: Front **PLMF:** .483
PLV: 1634 FPM **RPM:** 680



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	1, 4	Opp	56				23M80295	20MK8815	Cable	285	54
	TG8S-X6805-C1BX	1, 4	Opp	73				23M80295	20MK8815	Cable	270	51
	TG8S-X6806-C1BX	1, 4	Opp	95				23M80295	20MK8815	Cable	245	47
	TG8S-X6807-C1BX	1, 4	Opp	113				23M80295	20MK8815	Cable	230	44
	TG8S-X6808-C1BX	1, 4	Opp	138				23M80295	20MK8815	Cable	230	44
	TG8S-X6809-C1BX	1, 4	Opp	144				23M80295	20MK8815	Cable	205	39
	TG8S-X6812-C1BH	1, 4	Opp	177				23M80295	20MK8815	Cable	210	40
	TG8S-X6813-C1BH	1, 4	Opp	201				23M80295	20MK8815	Cable	210	40
	TG8S-X6815-C1BH	1, 4	Opp	227				23M80295	20MK8815	Cable	195	37
	TG8S-X6818-C1BH	1, 4	Opp	269				23M80295	20MK8815	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	73				23M80295	20MK8815	Elec/Air	400	76
	SH8S-U6807-E1BX	4	Opp	108				23M80295	20MK8815	Elec/Air	400	76
	SH8S-U6809-E1BX	4	Opp	135				23M80295	20MK8815	Elec/Air	375	71
	SH8S-U6812-E1BX	4	Opp	179				23M80295	20MK8815	Elec/Air	325	62
	SH8S-U6813-E1BX		Opp	207				23M80295	20MK8815	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	73				23M80295	20MK8815	Power	300	57
	CS8S-U6806-E1BX		Opp	87				23M80295	20MK8815	Power	300	57
	CS8S-U6807-E1BX	4	Opp	108				23M80295	20MK8815	Power	300	57
	CS8S-U6809-E1BX	4	Opp	135				23M80295	20MK8815	Power	275	52
	CS8S-U6812-E1BX	4	Opp	179				23M80295	20MK8815	Power	275	52
	CS8S-U6814-E1BX		Opp	224				23M80295	20MK8815	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	41		41		23M80248	20MK6603	Lever	200	38
	RL8S-U6805-L3BX	5	Opp	85		85		23M80248	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80295 + 20MK8807						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	52				23M80295	20MK8814	Lever	500	95
	828S-U6808-L1CX		Opp	83				23M80295	20MK8814	Lever	450	85
	828S-U6809-L1CX		Opp	102				23M80295	20MK8814	Lever	410	78
	828S-U6810-L1CX		Opp	110				23M80295	20MK8814	Lever	410	78
	828S-U6812-L1CX		Opp	126				23M80295	20MK8814	Lever	375	71
	828S-U6813-L1CX		Opp	147				23M80295	20MK8814	Lever	375	71
	828S-U6815-L1CX		Opp	160				23M80062 + 23M80375	20MK8814	Lever	350	67
	828S-U6819-L1CX		Opp	196				23M80248 + 20M80295	20MK8816	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

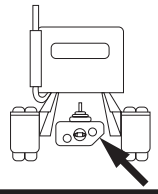
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Change TG Series, CS Series, RL Series and SH Series to 6-bolt PTO housing and TG to U68 input gear (TG6S, CS6S, SH6S and RL6D respectively). RL Series requires 23M60200S + 20MK6603 on PTO side of adapter.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and change stud kit to 20MK8817.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



1262A (301105), 1264A (301106)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.471
PLV: 1119 FPM **RPM:** 570

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C1BX	1, 4	Crnk	50			40TU6800	23M61500+23M60093S	20MK6627	Cable	270	51
	TG6S-U6806-C1BX	1, 4	Crnk	65			40TU6800	23M61500+23M60093S	20MK6627	Cable	245	47
	TG6S-U6807-C1BX	1, 4	Crnk	78			40TU6800	23M61500+23M60093S	20MK6627	Cable	230	44
	TG6S-U6808-C1BX	1, 4	Crnk	95			40TU6800	23M61500+23M60093S	20MK6627	Cable	230	44
	TG6S-U6809-C1BX	1, 4	Crnk	99			40TU6800	23M61500+23M60093S	20MK6627	Cable	205	39
	TG6S-U6812-C1BH	1, 4	Crnk	122			40TU6800	23M61500+23M60093S	20MK6627	Cable	210	40
	TG6S-U6813-C1BH	1, 4	Crnk	138			40TU6800	23M61500+23M60093S	20MK6627	Cable	210	40
	TG6S-U6815-C1BH	1, 4	Crnk	156			40TU6800	23M61500+23M60093S	20MK6627	Cable	195	37
	TG6S-U6818-C1BH	1, 4	Crnk	185			40TU6800	23M61500+23M60093S	20MK6627	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	4	Crnk	74			40TU6800	23M61500+23M60093S	20MK6627	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Crnk	92			40TU6800	23M61500+23M60093S	20MK6627	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Crnk	122			40TU6800	23M61500+23M60093S	20MK6627	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6806-E1BX		Crnk	59			40TU6800	23M61500+23M60093S	20MK6627	Power	300	57
	CS6S-U6807-E1BX	4	Crnk	74			40TU6800	23M61500+23M60093S	20MK6627	Power	300	57
	CS6S-U6809-E1BX	4	Crnk	92			40TU6800	23M61500+23M60093S	20MK6627	Power	275	52
	CS6S-U6812-E1BX	4	Crnk	122			40TU6800	23M61500+23M60093S	20MK6627	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	2, 5	Crnk	58		58	40TU6800	23M61500+23M60093S	20MK6629	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Requires 23M60200S spacer between PTO and adapter. Not supplied.
3 Requires 23M60032S spacer between PTO and adapter. Not supplied.
4 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6629.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

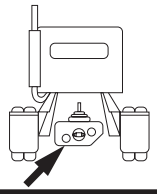
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

1262A (301105), 1264A (301106)

PTO DRIVE GEAR DATA:
45T 6P 20° PA Spur
LOCATION: Front **PLMF:** 1.316
PLV: 1119 FPM **RPM:** 570



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C1BX	1, 2	Crnk	50			40TU6886-1	23M80062	Included	Cable	270	51
	TG6S-U6806-C1BX	1, 2	Crnk	65			40TU6886-1	23M80062	Included	Cable	245	47
	TG6S-U6807-C1BX	1, 2	Crnk	78			40TU6886-1	23M80062	Included	Cable	230	44
	TG6S-U6808-C1BX	1, 2	Crnk	95			40TU6886-1	23M80062	Included	Cable	230	44
	TG6S-U6809-C1BX	1, 2	Crnk	99			40TU6886-1	23M80062	Included	Cable	205	39
	TG6S-U6812-C1BH	1, 2	Crnk	122			40TU6886-1	23M80062	Included	Cable	210	40
	TG6S-U6813-C1BH	1, 2	Crnk	138			40TU6886-1	23M80062	Included	Cable	210	40
	TG6S-U6815-C1BH	1, 2	Crnk	156			40TU6886-1	23M80062	Included	Cable	195	37
	TG6S-U6818-C1BH	1, 2	Crnk	185			40TU6886-1	23M80062	Included	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	2	Crnk	74			40TU6886-1	23M80062	Included	Elec/Air	400	76
	SH6S-U6809-E1BX	2	Crnk	92			40TU6886-1	23M80062	Included	Elec/Air	375	71
	SH6S-U6812-E1BX	2	Crnk	122			40TU6886-1	23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6806-E1BX		Crnk	59			40TU6886-1	23M80062	Included	Power	300	57
	CS6S-U6807-E1BX	2	Crnk	74			40TU6886-1	23M80062	Included	Power	300	57
	CS6S-U6809-E1BX	2	Crnk	92			40TU6886-1	23M80062	Included	Power	275	52
	CS6S-U6812-E1BX	2	Crnk	122			40TU6886-1	23M80062	Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

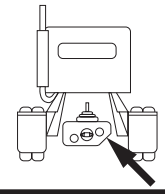
1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.

2 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



1310-2A (301292, 301316), 1310-4A (301317), PS85-14-4L, PS85-10LL, PS130-10A (301485), PS130-12A (301484)

PTO DRIVE GEAR DATA:
51T 6P 20° PA Spur
LOCATION: Front **PLMF:** .863
PLV: 945 FPM **RPM:** 425

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6805-C1BX	1, 4	Opp	42				23M60240S	20MK6604	Cable	270	51
	TG6S-X6806-C1BX	1, 4	Opp	55				23M60240S	20MK6604	Cable	245	47
	TG6S-X6807-C1BX	1, 4	Opp	65				23M60240S	20MK6604	Cable	230	44
	TG6S-X6808-C1BX	1, 4	Opp	80				23M60240S	20MK6604	Cable	230	44
	TG6S-X6809-C1BX	1, 4	Opp	83				23M60240S	20MK6604	Cable	205	39
	TG6S-X6812-C1BH	1, 4	Opp	102				23M60240S	20MK6604	Cable	210	40
	TG6S-X6813-C1BH	1, 4	Opp	116				23M60240S	20MK6604	Cable	210	40
	TG6S-X6815-C1BH	1, 4	Opp	131				23M60240S	20MK6604	Cable	195	37
	TG6S-X6818-C1BH	1, 4	Opp	155				23M60240S	20MK6604	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	42				23M60240S	20TK4434	Elec/Air	400	76
	SH6S-U6807-E1BX	4	Opp	62				23M60240S	20TK4434	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Opp	78				23M60240S	20TK4434	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Opp	103				23M60240S	20TK4434	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Opp	42				23M60240S	20TK4434	Power	300	57
	CS6S-U6806-E1BX		Opp	50				23M60240S	20TK4434	Power	300	57
	CS6S-U6807-E1BX	4	Opp	62				23M60240S	20TK4434	Power	300	57
	CS6S-U6809-E1BX	4	Opp	78				23M60240S	20TK4434	Power	275	52
	CS6S-U6812-E1BX	4	Opp	103				23M60240S	20TK4434	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	49		49		23M60400	20MK6604	Lever	200	38
ADAPTER TO CHANGE ROTATION		2, 3	40TU6810-1 + 23M60200S + 20MK6603						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 To use the adapter change TG Series to U68 input gear #03T34284 and use standard stud kit. For RL add 23M60200S+20MK6603 for PTO mounting to adapter.
3 Do not use for continuous duty applications.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6606 (20TK4436 for SH or CS).

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

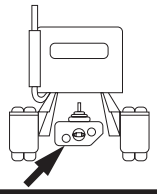
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

1310-2A (301292, 301316), 1310-4A (301317), PS85-14-4L, PS85-10LL, PS130-10A (301485), PS130-12A (301484)

PTO DRIVE GEAR DATA:
51T 6P 20° PA Spur
LOCATION: Front **PLMF:** .707
PLV: 945 FPM **RPM:** 425



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6805-C1BX	1, 3	Opp	42				23M80062+23M80062	20MK8808	Cable	270	51
	TG8S-X6806-C1BX	1, 3	Opp	55				23M80062+23M80062	20MK8808	Cable	245	47
	TG8S-X6807-C1BX	1, 3	Opp	65				23M80062+23M80062	20MK8808	Cable	230	44
	TG8S-X6808-C1BX	1, 3	Opp	80				23M80062+23M80062	20MK8808	Cable	230	44
	TG8S-X6809-C1BX	1, 3	Opp	83				23M80062+23M80062	20MK8808	Cable	205	39
	TG8S-X6812-C1BH	1, 3	Opp	102				23M80062+23M80062	20MK8808	Cable	210	40
	TG8S-X6813-C1BH	1, 3	Opp	116				23M80062+23M80062	20MK8808	Cable	210	40
	TG8S-X6815-C1BH	1, 3	Opp	131				23M80062+23M80062	20MK8808	Cable	195	37
	TG8S-X6818-C1BH	1, 3	Opp	155				23M80062+23M80062	20MK8808	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	42				23M80062+23M80062	20MK8808	Elec/Air	400	76
	SH8S-U6807-E1BX	3	Opp	62				23M80062+23M80062	20MK8808	Elec/Air	400	76
	SH8S-U6809-E1BX	3	Opp	78				23M80062+23M80062	20MK8808	Elec/Air	375	71
	SH8S-U6812-E1BX	3	Opp	103				23M80062+23M80062	20MK8808	Elec/Air	325	62
	SH8S-U6813-E1BX	3	Opp	120				23M80062+23M80062	20MK8808	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	42				23M80062+23M80062	20MK8808	Power	300	57
	CS8S-U6806-E1BX		Opp	50				23M80062+23M80062	20MK8808	Power	300	57
	CS8S-U6807-E1BX	3	Opp	62				23M80062+23M80062	20MK8808	Power	300	57
	CS8S-U6809-E1BX	3	Opp	78				23M80062+23M80062	20MK8808	Power	275	52
	CS8S-U6812-E1BX	3	Opp	103				23M80062+23M80062	20MK8808	Power	275	52
	CS8S-U6814-E1BX		Opp	130				23M80062+23M80062	20MK8808	Power	275	52
1 FWD. 1 REV.	RL8S-U6805-L3BX	4	Opp	49		49		23M80165	20MK8808	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 23M80062 + 20MK8814						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6808-L1CX		Opp	48				23M80062	Included	Lever	450	85
	828S-U6809-L1CX		Opp	59				23M80062	Included	Lever	410	78
	828S-U6810-L1CX		Opp	64				23M80062	Included	Lever	410	78
	828S-U6812-L1CX		Opp	73				23M80062	Included	Lever	375	71
	828S-U6813-L1CX		Opp	85				23M80062	Included	Lever	375	71
	828S-U6815-L1CX		Opp	92				20M80190	20MK8817	Lever	350	67
	828S-U6819-L1CX		Opp	114				23M80295	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

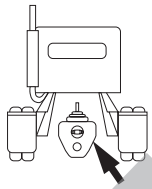
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series, SH Series and RL Series to 6-bolt PTO housing (TG6S, CS6S, SH6S and RL6D respectively). RL Series requires 23M60200S + 20MK6603 on PTO side of adapter.
3 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8817.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING



CM-5052B (301079, 301248), CM-5552B (301310), CM-5952B (301361)

PTO DRIVE GEAR DATA:
39T 7P 17.5°PA 28°4'23"R.H.
LOCATION: Front **PLMF:** .630
PLV: 808 FPM **RPM:** 490

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S7006-C1BX	1	Opp	49				23M80165	20MK8808	Cable	245	47
	TG8S-S7007-C1BX	1	Opp	58				23M80165	20MK8808	Cable	230	44
	TG8S-S7008-C1BX	1	Opp	71				23M80165	20MK8808	Cable	230	44
	TG8S-S7009-C1BX	1	Opp	74				23M80165	20MK8808	Cable	205	39
	TG8S-S7012-C1BH	1	Opp	91				23M80165	20MK8808	Cable	210	40
	TG8S-S7013-C1BH	1	Opp	103				23M80165	20MK8808	Cable	210	40
	TG8S-S7015-C1BH	1	Opp	117				23M80165	20MK8808	Cable	195	37
	TG8S-S7018-C1BH	1	Opp	137				23M80165	20MK8808	Cable	175	33
SH SERIES	SH8S-S7009-E1BX		Opp	69				23M80165	20MK8808	Elec/Air	375	71
CLUTCH SHIFT	CS8S-S7009-E1BX		Opp	69				23M80165	20MK8808	Power	275	52
1 FWD. 1 REV.	RL8S-S7005-L3BX	2	Opp	41		41		23M80165	20MK8808	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-S7008-L1CX		Opp	41				23M80190	Included	Lever	450	85
	828S-S7010-L1CX		Opp	55				23M80190	Included	Lever	410	78
	828S-S7013-L1CX		Opp	73				23M80190	Included	Lever	375	71
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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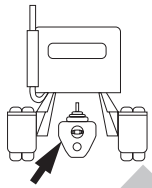
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

CM-5052B (301079, 301248),
CM-5552B (301310), CM-5952B (301361)

PTO DRIVE GEAR DATA:
39T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .934
PLV: 808 FPM **RPM:** 490



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S7006-C3BX	1	Opp	49				23M60140S	20MK6602	Cable	245	47
	TG6S-S7007-C3BX	1	Opp	58				23M60140S	20MK6602	Cable	230	44
	TG6S-S7008-C3BX	1	Opp	71				23M60140S	20MK6602	Cable	230	44
	TG6S-S7009-C3BX	1	Opp	74				23M60140S	20MK6602	Cable	205	39
	TG6S-S7012-C3BH	1	Opp	91				23M60140S	20MK6602	Cable	210	40
	TG6S-S7013-C3BH	1	Opp	103				23M60140S	20MK6602	Cable	210	40
	TG6S-S7015-C3BH	1	Opp	117				23M60140S	20MK6602	Cable	195	37
	TG6S-S7018-C3BH	1	Opp	137				23M60140S	20MK6602	Cable	175	33
SH SERIES	SH6S-S7009-E3BX		Opp	69				23M60140S	20TK4433	Elec/Air	375	71
CLUTCH SHIFT	CS6S-S7009-E3BX		Opp	69				23M60140S	20TK4433	Power	275	52
1 FWD. 1 REV.	RL6D-S7005-L3BX	2	Opp	41		41		23M60350	20MK6603	Lever	200	38

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

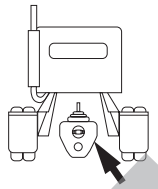
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

CM-6252A (301084, 301257)

PTO DRIVE GEAR DATA:
39T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .067
PLV: 1264 FPM **RPM:** 667



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S6004-C1BX	1	Opp	44				23M80500+23M80190	20MK8814	Cable	285	54
	TG8S-S6005-C1BX	1	Opp	58				23M80500+23M80190	20MK8814	Cable	270	51
	TG8S-S6006-C1BX	1	Opp	76				23M80500+23M80190	20MK8814	Cable	245	47
	TG8S-S6007-C1BX	1	Opp	90				23M80500+23M80190	20MK8814	Cable	230	44
	TG8S-S6008-C1BX	1	Opp	109				23M80500+23M80190	20MK8814	Cable	230	44
	TG8S-S6009-C1BX	1	Opp	114				23M80500+23M80190	20MK8814	Cable	205	39
	TG8S-S6012-C1BH	1	Opp	140				23M80500+23M80190	20MK8814	Cable	210	40
	TG8S-S6013-C1BH	1	Opp	159				23M80500+23M80190	20MK8814	Cable	210	40
	TG8S-S6015-C1BH	1	Opp	180				23M80500+23M80190	20MK8814	Cable	195	37
	TG8S-S6018-C1BH	1	Opp	213				23M80500+23M80190	20MK8814	Cable	175	33
SH SERIES	SH8S-S6007-E1BX		Opp	86				23M80295+23M80295	20MK8814	Elec/Air	400	76
CLUTCH SHIFT	CS8S-S6007-E1BX		Opp	86				23M80295+23M80295	20MK8814	Power	300	57
1 FWD. 1 REV.	RL8S-S6005-L3BX	2	Opp	68		68		23M80500+23M80190	20MK8814	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

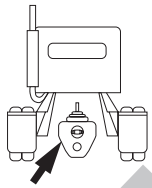
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

CM-6252A (301084, 301257)

PTO DRIVE GEAR DATA:
39T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .902
PLV: 1264 FPM **RPM:** 667



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6004-C3BX	1	Opp	44				23M60187S	20MK6603	Cable	285	54
	TG6S-S6005-C3BX	1	Opp	58				23M60187S	20MK6603	Cable	270	51
	TG6S-S6006-C3BX	1	Opp	76				23M60187S	20MK6603	Cable	245	47
	TG6S-S6007-C3BX	1	Opp	90				23M60187S	20MK6603	Cable	230	44
	TG6S-S6008-C3BX	1	Opp	109				23M60187S	20MK6603	Cable	230	44
	TG6S-S6009-C3BX	1	Opp	114				23M60187S	20MK6603	Cable	205	39
	TG6S-S6012-C3BH	1	Opp	140				23M60187S	20MK6603	Cable	210	40
	TG6S-S6013-C3BH	1	Opp	159				23M60187S	20MK6603	Cable	210	40
	TG6S-S6015-C3BH	1	Opp	180				23M60187S	20MK6603	Cable	195	37
	TG6S-S6018-C3BH	1	Opp	213				23M60187S	20MK6603	Cable	175	33
SH SERIES	SH6S-S6007-E3BX		Opp	86				23M60140S	20TK4433	Elec/Air	400	76
CLUTCH SHIFT	CS6S-S6007-E3BX		Opp	86				23M60140S	20TK4433	Power	300	57
1 FWD. 1 REV.	RL6D-S6005-L3BX	2	Opp	68		68		23M60300	20MK6602	Lever	200	38

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages v)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

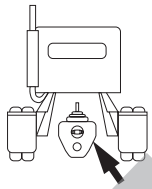
CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING



CM-6252B (301085, 301258, 301417)

PTO DRIVE GEAR DATA:
35T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .439
PLV: 1276 FPM **RPM:** 750

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S6004-C1BX	1	Opp	45				23M80375	20MK8815	Cable	285	54
	TG8S-S6005-C1BX	1	Opp	59				23M80375	20MK8815	Cable	270	51
	TG8S-S6006-C1BX	1	Opp	76				23M80375	20MK8815	Cable	245	47
	TG8S-S6007-C1BX	1	Opp	91				23M80375	20MK8815	Cable	230	44
	TG8S-S6008-C1BX	1	Opp	111				23M80375	20MK8815	Cable	230	44
	TG8S-S6009-C1BX	1	Opp	116				23M80375	20MK8815	Cable	205	39
	TG8S-S6012-C1BH	1	Opp	142				23M80375	20MK8815	Cable	210	40
	TG8S-S6013-C1BH	1	Opp	162				23M80375	20MK8815	Cable	210	40
	TG8S-S6015-C1BH	1	Opp	183				23M80375	20MK8815	Cable	195	37
	TG8S-S6018-C1BH	1	Opp	216				23M80375	20MK8815	Cable	175	33
SH SERIES	SH8S-S6007-E1BX		Opp	87				23M80295	20MK8815	Elec/Air	400	76
CLUTCH SHIFT	CS8S-S6007-E1BX		Opp	87				23M80295	20MK8815	Power	300	57
1 FWD. 1 REV.	RL8S-S6005-L3BX	2	Opp	69		69		23M80375	20MK8815	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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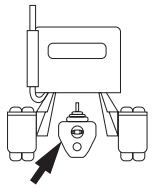
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

CM-6252B (301085, 301258, 301417)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
35T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** 1.273
PLV: 1276 FPM **RPM:** 750



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	**SINGLE SPEED PTO APPLICATIONS NOT POSSIBLE DUE TO NON-STANDARD MOUNTING DEPTH**											
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: PTO SERIES & HOUSING DESIGNATOR · GEAR PITCH · INTERNAL RATIO · SHIFT OPTIONS · ASSEMBLY ARRANGEMENT · OUTPUT SHAFT · SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

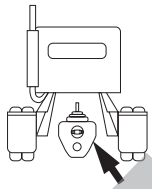
FOOTNOTES:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING



CM-6253A (301086, 301259)

PTO DRIVE GEAR DATA:
44T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** -.397
PLV: 1426 FPM **RPM:** 667

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S6004-C1BX	1	Opp	50				23M81200	20MK8818	Cable	285	54
	TG8S-S6005-C1BX	1	Opp	66				23M81200	20MK8818	Cable	270	51
	TG8S-S6006-C1BX	1	Opp	85				23M81200	20MK8818	Cable	245	47
	TG8S-S6007-C1BX	1	Opp	101				23M81200	20MK8818	Cable	230	44
	TG8S-S6008-C1BX	1	Opp	124				23M81200	20MK8818	Cable	230	44
	TG8S-S6009-C1BX	1	Opp	129				23M81200	20MK8818	Cable	205	39
	TG8S-S6012-C1BH	1	Opp	158				23M81200	20MK8818	Cable	210	40
	TG8S-S6013-C1BH	1	Opp	180				23M81200	20MK8818	Cable	210	40
	TG8S-S6015-C1BH	1	Opp	203				23M81200	20MK8818	Cable	195	37
	TG8S-S6018-C1BH	1	Opp	241				23M81200	20MK8818	Cable	175	33
SH SERIES	SH8S-S6007-E1BX		Opp	97				23M81125	20MK8818	Elec/Air	400	76
CLUTCH SHIFT	CS8S-S6007-E1BX		Opp	97				23M81125	20MK8818	Power	300	57
1 FWD. 1 REV.	RL8S-S6005-L3BX	2	Opp	77		77		23M81005+23M80165	20MK8818	Lever	200	38

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

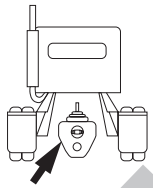
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

CM-6253A (301086, 301259)

PTO DRIVE GEAR DATA:
44T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .437
PLV: 1426 FPM **RPM:** 667



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6004-C3BX	1	Opp	50				23M60550+23M60093S	20MK6607	Cable	285	54
	TG6S-S6005-C3BX	1	Opp	66				23M60550+23M60093S	20MK6607	Cable	270	51
	TG6S-S6006-C3BX	1	Opp	85				23M60550+23M60093S	20MK6607	Cable	245	47
	TG6S-S6007-C3BX	1	Opp	101				23M60550+23M60093S	20MK6607	Cable	230	44
	TG6S-S6008-C3BX	1	Opp	124				23M60550+23M60093S	20MK6607	Cable	230	44
	TG6S-S6009-C3BX	1	Opp	129				23M60550+23M60093S	20MK6607	Cable	205	39
	TG6S-S6012-C3BH	1	Opp	158				23M60550+23M60093S	20MK6607	Cable	210	40
	TG6S-S6013-C3BH	1	Opp	180				23M60550+23M60093S	20MK6607	Cable	210	40
	TG6S-S6015-C3BH	1	Opp	203				23M60550+23M60093S	20MK6607	Cable	195	37
	TG6S-S6018-C3BH	1	Opp	241				23M60550+23M60093S	20MK6607	Cable	175	33
SH SERIES	SH6S-S6007-E3BX		Opp	97				23M60550	20TK4436	Elec/Air	400	76
CLUTCH SHIFT	CS6S-S6007-E3BX		Opp	97				23M60550	20TK4436	Power	300	57
1 FWD. 1 REV.	RL6D-S6005-L3BX	2	Opp	77		77		23M60550+23M60240S	20MK6606	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 - **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B - **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X - **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

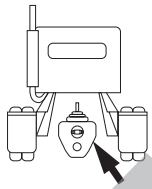
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

CM-6253B (301087, 301260, 301418)
ES72-5B (301637)

PTO DRIVE GEAR DATA:
46T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** -.583
PLV: 1677 FPM **RPM:** 750



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S6004-C1BX	1	Opp	59				23M81350	20MK8813	Cable	285	54
	TG8S-S6005-C1BX	1	Opp	77				23M81350	20MK8813	Cable	270	51
	TG8S-S6006-C1BX	1	Opp	100				23M81350	20MK8813	Cable	245	47
	TG8S-S6007-C1BX	1	Opp	119				23M81350	20MK8813	Cable	230	44
	TG8S-S6008-C1BX	1	Opp	145				23M81350	20MK8813	Cable	230	44
	TG8S-S6009-C1BX	1	Opp	151				23M81350	20MK8813	Cable	205	39
	TG8S-S6012-C1BH	1	Opp	186				23M81350	20MK8813	Cable	210	40
	TG8S-S6013-C1BH	1	Opp	211				23M81350	20MK8813	Cable	210	40
	TG8S-S6015-C1BH	1	Opp	238				23M81350	20MK8813	Cable	195	37
	TG8S-S6018-C1BH	1	Opp	283				23M81350	20MK8813	Cable	175	33
SH SERIES	SH8S-S6007-E1B6		Opp	114				23M81200	20MK8813	Elec/Air	400	76
CLUTCH SHIFT	CS8S-S6007-E1BX		Opp	114				23M81200	20MK8813	Power	300	57
1 FWD. 1 REV.	RL8S-S6003-L3BX	2, 3	Opp	44		44		23M81350	20MK8813	Lever	200	38
	RL8S-S6005-L3BX	3	Opp	91		91		23M81350	20MK8813	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

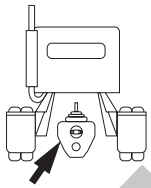
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

CM-6253B (301087, 301260, 301418)
ES72-5B (301637)

PTO DRIVE GEAR DATA:
46T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .252
PLV: 1677 FPM **RPM:** 750



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6004-C3BX	1	Opp	59				23M60800	20MK6609	Cable	285	54
	TG6S-S6005-C3BX	1	Opp	77				23M60800	20MK6609	Cable	270	51
	TG6S-S6006-C3BX	1	Opp	100				23M60800	20MK6609	Cable	245	47
	TG6S-S6007-C3BX	1	Opp	119				23M60800	20MK6609	Cable	230	44
	TG6S-S6008-C3BX	1	Opp	145				23M60800	20MK6609	Cable	230	44
	TG6S-S6009-C3BX	1	Opp	151				23M60800	20MK6609	Cable	205	39
	TG6S-S6012-C3BH	1	Opp	186				23M60800	20MK6609	Cable	210	40
	TG6S-S6013-C3BH	1	Opp	211				23M60800	20MK6609	Cable	210	40
	TG6S-S6015-C3BH	1	Opp	238				23M60800	20MK6609	Cable	195	37
	TG6S-S6018-C3BH	1	Opp	283				23M60800	20MK6609	Cable	175	33
SH SERIES	SH6S-S6007-E3BX		Opp	114				23M60500+23M60187S	20MK6609	Elec/Air	400	76
CLUTCH SHIFT	CS6S-S6007-E3BX		Opp	114				23M60500+23M60187S	20MK6609	Power	300	57
1 FWD. 1 REV.	RL6D-S6003-L3BX	2, 3	Opp	44		44		23M60600+23M60350	20MK6610	Lever	200	38
	RL6D-S6005-L3BX	3	Opp	91		91		23M60600+23M60350	20MK6610	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

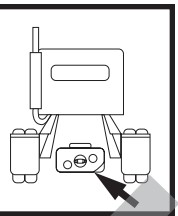
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TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
39T 5P 20°PA Spur
LOCATION: Rear **PLMF:** .946
PLV: 1804 FPM **RPM:** 884



AMO1000-4C/4D, APO1000-4C/4D, ATO1000-4C/4D, ATO1750-4C/4D, APO1750-4C/4D, 1241C (300977, 301145, 301151), 1241CT, 1241D (300978, 301146, 301152), 1241DT, P1241C (301053, 301395), P1241D (301054, 301386)
Footnote (2)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U5704-C2BX	1, 2	Opp	62				23M60125S	20MK6603	Cable	285	54
	TG6S-U5705-C2BX	1, 2	Opp	81				23M60125S	20MK6603	Cable	270	51
	TG6S-U5706-C2BX	1, 2	Opp	105				23M60125S	20MK6603	Cable	245	47
	TG6S-U5707-C2BX	1, 2	Opp	125				23M60125S	20MK6603	Cable	230	44
	TG6S-U5708-C2BX	1, 2	Opp	152				23M60125S	20MK6603	Cable	230	44
	TG6S-U5709-C2BX	1, 2	Opp	159				23M60125S	20MK6603	Cable	205	39
	TG6S-U5712-C2BH	1, 2	Opp	195				23M60125S	20MK6603	Cable	210	40
	TG6S-U5713-C2BH	1, 2	Opp	222				23M60125S	20MK6603	Cable	210	40
	TG6S-U5715-C2BH	1, 2	Opp	251				23M60125S	20MK6603	Cable	195	37
	TG6S-U5718-C2BH	1, 2	Opp	297				23M60125S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U5705-L2BX	2, 3, 4	Opp	95		95		23M60300	20MK6602	Lever	200	38

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34451 — Refer to kit program on pages 27-29.
2 Speeds shown are with main transmission in direct drive.
3 RL6D-U5703 Series with combined reduction gear box is not available in “2” assembly.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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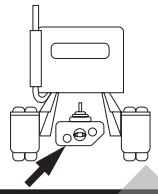
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

AMO1000-4C/4D, APO1000-4C/4D, ATO1000-4C/4D, ATO1750-4C/4D, APO1750-4C/4D, 1241C (300977, 301145, 301151), 1241CT, 1241D (300978, 301146, 301152), 1241DT, P1241C (301053, 3011395), P1241D (301054, 301386)
Footnote (2)

PTO DRIVE GEAR DATA:
39T 5P 20°PA Spur
LOCATION: Rear **PLMF:** .675
PLV: 1804 FPM **RPM:** 884



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-U5704-C2BX	1, 2	Opp	62				(2) 23M80062	20MK8808	Cable	285	54
	TG8S-U5705-C2BX	1, 2	Opp	81				(2) 23M80062	20MK8808	Cable	270	51
	TG8S-U5706-C2BX	1, 2	Opp	105				(2) 23M80062	20MK8808	Cable	245	47
	TG8S-U5707-C2BX	1, 2	Opp	125				(2) 23M80062	20MK8808	Cable	230	44
	TG8S-U5708-C2BX	1, 2	Opp	152				(2) 23M80062	20MK8808	Cable	230	44
	TG8S-U5709-C2BX	1, 2	Opp	159				(2) 23M80062	20MK8808	Cable	205	39
	TG8S-U5712-C2BH	1, 2	Opp	195				(2) 23M80062	20MK8808	Cable	210	40
	TG8S-U5713-C2BH	1, 2	Opp	222				(2) 23M80062	20MK8808	Cable	210	40
	TG8S-U5715-C2BH	1, 2	Opp	251				(2) 23M80062	20MK8808	Cable	195	37
	TG8S-U5718-C2BH	1, 2	Opp	297				(2) 23M80062	20MK8808	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL8S-U5705-L2BX	2, 3, 4	Opp	95		95		(2) 23M80062	20MK8808	Lever	200	38

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U5713-L2CX	2,5	Opp	164				(2) 23M80062	20MK8817	Lever	375	71
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 11)
- **OUTPUT SHAFT** (see pages 6 & 11)
- **SPECIAL OPTIONS** (see page 6 & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series Input Gear: #03T34451 — Refer to kit program on pages 27-29.
2. Speeds shown are with main transmission in direct drive.
3. RL8S-U5703 Series with combined reduction gear box is not available in "2" assembly.
4. Do not use for continuous duty applications.
5. 82 series ratio below 13 is no longer available.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

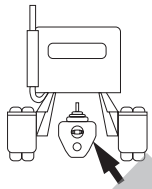
CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



ES42-5A (301438), CM-4054A (301329, 301420)

PTO DRIVE GEAR DATA:
40T 7.3449P 20°PA 24° R.H.
LOCATION: Front **PLMF:** 1.00
PLV: 764 FPM **RPM:** 490

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-G7306-C1BX	1	Opp	45					Included	Cable	245	47
	TG6S-G7307-C1BX	1	Opp	53					Included	Cable	230	44
	TG6S-G7308-C1BX	1	Opp	64					Included	Cable	230	44
	TG6S-G7309-C1BX	1	Opp	67					Included	Cable	205	39
	TG6S-G7312-C1BH	1	Opp	82					Included	Cable	210	40
	TG6S-G7313-C1BH	1	Opp	94					Included	Cable	210	40
	TG6S-G7315-C1BH	1	Opp	106					Included	Cable	195	37
	TG6S-G7318-C1BH	1	Opp	125					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		2, 3	40TG7368-1 + 23M60125S + 20MK6602 — See footnotes below.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 6)
ASSEMBLY ARRANGEMENT (see page 6)
OUTPUT SHAFT (see page 6)
SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34325 — Refer to kit program on pages 27-29.
2 Change TG Series to TG6D-S68** input gear. Change assembly arrangement to "2". Add 23M60200S & 20MK6603 to order for TG installation to the adapter.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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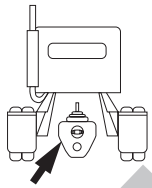
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES42-5A (301438), CM-4054A (301329, 301420)
This transmission has two openings on the left side.
PTO accessible onto front opening only.

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
40T 7.3449P 20°PA 24° R.H.
LOCATION: Front **PLMF:** 1.00
PLV: 764 FPM **RPM:** 490



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-G7307-C3BX	1, 2	Opp	53					Included	Cable	230	44
	TG6S-G7308-C3BX	1, 2	Opp	64					Included	Cable	230	44
	TG6S-G7309-C3BX	1, 2	Opp	67					Included	Cable	205	39
	TG6S-G7312-C3BH	1, 2	Opp	82					Included	Cable	210	40
	TG6S-G7313-C3BH	1, 2	Opp	94					Included	Cable	210	40
	TG6S-G7315-C3BH	1, 2	Opp	106					Included	Cable	195	37
	TG6S-G7318-C3BH	1, 2	Opp	125					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		4, 5	40TG7368-2 + 23M60125S + 20MK6602 — See footnotes below.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. Direct mount pump may require adapter due to case interference, or use "1" assembly PTO with PK Series and "A" pilot without adapter.
2. TG Series Input Gear: #03T34325 — Refer to kit program on pages 27-29.
3. Shaft high arrangement is shown.
4. Change TG Series to TG6D-S68** input gear. Change assembly arrangement to "4". Add 23M60200S & 20MK6603 to order for TG installation to the adapter.
5. Do not use for continuous duty applications.

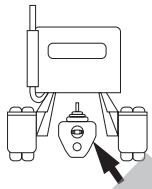
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



ES42-5D (301439),
CM-4054D (301343, 301421)

PTO DRIVE GEAR DATA:
42T 7.3449P 20°PA 24° R.H.
LOCATION: Front **PLMF:** .850
PLV: 802 FPM **RPM:** 490

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-G7307-C1BX	1, 2	Opp	55				23M60140S	20MK6602	Cable	230	44
	TG6S-G7308-C1BX	1, 2	Opp	67				23M60140S	20MK6602	Cable	230	44
	TG6S-G7309-C1BX	1, 2	Opp	70				23M60140S	20MK6602	Cable	205	39
	TG6S-G7312-C1BH	1, 2	Opp	86				23M60140S	20MK6602	Cable	210	40
	TG6S-G7313-C1BH	1, 2	Opp	98				23M60140S	20MK6602	Cable	210	40
	TG6S-G7315-C1BH	1, 2	Opp	110				23M60140S	20MK6602	Cable	195	37
	TG6S-G7318-C1BH	1, 2	Opp	131				23M60140S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		3, 4	40TG7368-1 + 23M60140S + 20MK6602 — See footnotes below.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 6)
ASSEMBLY ARRANGEMENT (see page 6)
OUTPUT SHAFT (see page 6)
SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34325 — Refer to kit program on pages 27-29.
2 PTO's may interfere with a brake mechanism located on this side of the transmission.
3 Change TG Series to TG6D-S68** input gear. Change assembly arrangement to "2".
Add 23M60200S & 20MK6603 to order for TG installation to the adapter.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

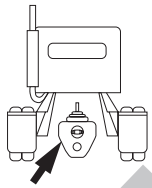
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES42-5D (301439),
CM-4054D (301343, 301421)
This transmission has two openings on the left side.
PTO accessible onto front opening only.

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
42T 7.3449P 20°PA 24° R.H.
LOCATION: Front **PLMF:** .850
PLV: 802 FPM **RPM:** 490



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-G7307-C3BX	1, 2	Opp	55				23M60140S	20MK6602	Cable	230	44
	TG6S-G7308-C3BX	1, 2	Opp	67				23M60140S	20MK6602	Cable	230	44
	TG6S-G7309-C3BX	1, 2	Opp	70				23M60140S	20MK6602	Cable	205	39
	TG6S-G7312-C3BH	1, 2	Opp	86				23M60140S	20MK6602	Cable	210	40
	TG6S-G7313-C3BH	1, 2	Opp	98				23M60140S	20MK6602	Cable	210	40
	TG6S-G7315-C3BH	1, 2	Opp	110				23M60140S	20MK6602	Cable	195	37
	TG6S-G7318-C3BH	1, 2	Opp	131				23M60140S	20MK6602	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		4, 5	40TG7368-1 + 23M60140S + 20MK6602 — See footnote below.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Direct mount pump may require adapter due to case interference, or use "1" assembly PTO with PK Series and "A" pilot without adapter.
2 TG Series Input Gear: #03T34325 — Refer to kit program on pages 27-29.
3 Shaft high arrangement is shown.
4 Change TG Series to TG6D-S68** input gear. Change assembly arrangement to "4". Add 23M60200S & 20MK6603 to order for TG installation to the adapter.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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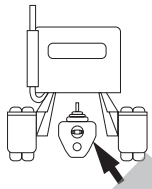
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

ES43-5A (301510, 301633), ES52-5A (301455), ES53-5A (301508, 301631), CM-4954A (301386)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
32T 6P 17.5°PA 22.25° R.H.
LOCATION: Front **PLMF:** 1.102
PLV: 724 FPM **RPM:** 480



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6106-C1BX	1	Opp	43				23M60032S	Included	Cable	245	47
	TG6S-S6107-C1BX	1	Opp	50				23M60032S	Included	Cable	230	44
	TG6S-S6108-C1BX	1	Opp	61				23M60032S	Included	Cable	230	44
	TG6S-S6109-C1BX	1	Opp	64				23M60032S	Included	Cable	205	39
	TG6S-S6112-C1BH	1	Opp	79				23M60032S	Included	Cable	210	40
	TG6S-S6113-C1BH	1	Opp	89				23M60032S	Included	Cable	210	40
	TG6S-S6115-C1BH	1	Opp	101				23M60032S	Included	Cable	195	37
	TG6S-S6118-C1BH	1	Opp	120				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see page 6)
- 1: **ASSEMBLY ARRANGEMENT** (see page 6)
- B: **OUTPUT SHAFT** (see page 6)
- X: **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T96746 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

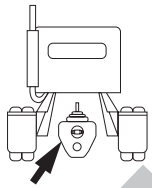
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES43-5A (301510, 301633), ES52-5A (301455), ES53-5A (301508, 301631), CM-4954A (301386)
This transmission has two openings on the left side. PTO accessible onto front opening only.

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
32T 6P 17.5°PA 22.25° R.H.
LOCATION: Front **PLMF:** 1.102
PLV: 724 FPM **RPM:** 480



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6106-C3BX	1, 2	Opp	43				23M60032S	Included	Cable	245	47
	TG6S-S6107-C3BX	1, 2	Opp	50				23M60032S	Included	Cable	230	44
	TG6S-S6108-C3BX	1, 2	Opp	61				23M60032S	Included	Cable	230	44
	TG6S-S6109-C3BX	1, 2	Opp	64				23M60032S	Included	Cable	205	39
	TG6S-S6112-C3BH	1, 2	Opp	79				23M60032S	Included	Cable	210	40
	TG6S-S6113-C3BH	1, 2	Opp	89				23M60032S	Included	Cable	210	40
	TG6S-S6115-C3BH	1, 2	Opp	101				23M60032S	Included	Cable	195	37
	TG6S-S6118-C3BH	1, 2	Opp	120				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T96746 — Refer to kit program on pages 27-29.
2 Direct mount pump interferes with transmission case. Use of a "1" assembly PTO with PK Series and "A" pilot will fit.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

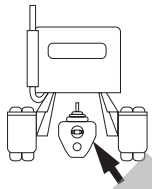
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

ES43-5D (301511, 301634), ES52-5D (301456), ES53-5D (301509, 301632), CM-4954D (301387)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
34T 6P 17.5°PA 22.25° R.H.
LOCATION: Front **PLMF:** .922
PLV: 769 FPM **RPM:** 480



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6106-C1BX	1, 2	Opp	45				23M60140S	20MK6603	Cable	245	47
	TG6S-S6107-C1BX	1, 2	Opp	53				23M60140S	20MK6603	Cable	230	44
	TG6S-S6108-C1BX	1, 2	Opp	65				23M60140S	20MK6603	Cable	230	44
	TG6S-S6109-C1BX	1, 2	Opp	68				23M60140S	20MK6603	Cable	205	39
	TG6S-S6112-C1BH	1, 2	Opp	83				23M60140S	20MK6603	Cable	210	40
	TG6S-S6113-C1BH	1, 2	Opp	95				23M60140S	20MK6603	Cable	210	40
	TG6S-S6115-C1BH	1, 2	Opp	107				23M60140S	20MK6603	Cable	195	37
	TG6S-S6118-C1BH	1, 2	Opp	128				23M60140S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T96746 — Refer to kit program on pages 27-29.
2 IHC Series 1854-4X4 — PTO interferes with exhaust and front driveshaft.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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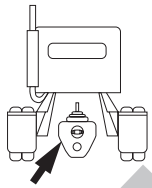
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES43-5D (301511, 301634), ES52-5D (301456), ES53-5D (301509, 301632), CM-4954D (301387)
This transmission has two openings on the left side. PTO accessible onto front opening only.

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
34T 6P 17.5°PA 22.25° R.H.
LOCATION: Front **PLMF:** .922
PLV: 769 FPM **RPM:** 480



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6106-C3BX	1, 2	Opp	45				23M60140S	20MK6603	Cable	245	47
	TG6S-S6107-C3BX	1, 2	Opp	53				23M60140S	20MK6603	Cable	230	44
	TG6S-S6108-C3BX	1, 2	Opp	65				23M60140S	20MK6603	Cable	230	44
	TG6S-S6109-C3BX	1, 2	Opp	68				23M60140S	20MK6603	Cable	205	39
	TG6S-S6112-C3BH	1, 2	Opp	83				23M60140S	20MK6603	Cable	210	40
	TG6S-S6113-C3BH	1, 2	Opp	95				23M60140S	20MK6603	Cable	210	40
	TG6S-S6115-C3BH	1, 2	Opp	107				23M60140S	20MK6603	Cable	195	37
	TG6S-S6118-C3BH	1, 2	Opp	128				23M60140S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T96746 — Refer to kit program on pages 27-29.
2 Direct mount pump interferes with transmission case. Use of a "1" assembly PTO with PK Series and "A" pilot will fit.

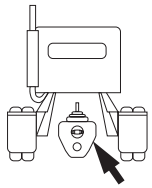
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



ES52-7A (301451, 301635),
ES52-7B (301642, 301637)

PTO DRIVE GEAR DATA:
34T 7.00P 17.5°PA 18° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 652 FPM **RPM:** 488

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7107-C1BX	1, 2, 3, 4	Opp	41					Included	Cable	230	44
	TG6N-S7108-C1BX	1, 2, 3, 4	Opp	51					Included	Cable	230	44
	TG6N-S7109-C1BX	1, 2, 3, 4	Opp	53					Included	Cable	205	39
	TG6N-S7112-C1BH	1, 2, 3, 4	Opp	65					Included	Cable	210	40
	TG6N-S7113-C1BH	1, 2, 3, 4	Opp	74					Included	Cable	210	40
	TG6N-S7115-C1BH	1, 2, 3, 4	Opp	84					Included	Cable	195	37
	TG6N-S7118-C1BH	1, 2, 3, 4	Opp	98					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6N-S7107-E1BX	3, 4	Opp	39					Included	Power	300	57
	CS6N-S7109-E1BX	3, 4	Opp	49					Included	Power	275	52
	CS6S-U6809-E1BX	3	Crnk	58			40TS7168		Included	Power	275	52
	CS6S-U6812-E1BX	3	Crnk	76			40TS7168		Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	5	Crnk	36		36	40TS7168	23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		6	40TS7168						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- **OUTPUT SHAFT** (see pages 6 & 8)
- **SPECIAL OPTIONS** (see pages 6 & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 This PTO requires a Special Housing and is not available in standard kit form.
2 TG Series Input Gear: #03T35540 — Refer to kit program on pages 27-29.
3 Possible exhaust interference.
4 Use "3" arrangement PTO for direct mount pump clearance.
5 Do not use for continuous duty applications.
6 Change PTO to Standard housing (TG6S and CS6S) and to U68 input gear (TG #03T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter). Multiply speed shown by 1.15.

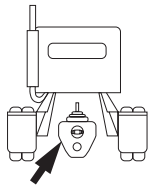
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
34T 7.00P 17.5°PA 18° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 652 FPM **RPM:** 488



ES52-7A (301451, 301635), ES52-7B (301642, 301637)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7107-C3BX	1, 2, 3	Opp	41					Included	Cable	230	44
	TG6N-S7108-C3BX	1, 2, 3	Opp	51					Included	Cable	230	44
	TG6N-S7109-C3BX	1, 2, 3	Opp	53					Included	Cable	205	39
	TG6N-S7112-C3BH	1, 2, 3	Opp	65					Included	Cable	210	40
	TG6N-S7113-C3BH	1, 2, 3	Opp	74					Included	Cable	210	40
	TG6N-S7115-C3BH	1, 2, 3	Opp	84					Included	Cable	195	37
	TG6N-S7118-C3BH	1, 2, 3	Opp	98					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6N-S7107-E3BX	3	Opp	39					Included	Power	300	57
	CS6N-S7109-E3BX	3	Opp	49					Included	Power	275	52
	CS6S-U6809-E3BX		Crnk	58			40TS7168		Included	Power	275	52
	CS6S-U6812-E3BX		Crnk	76			40TS7168		Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	4	Crnk	36		36	40TS7168	23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TS7168						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6 & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- B — **OUTPUT SHAFT** (see pages 6 & 8)
- X — **SPECIAL OPTIONS** (see pages 6 & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 This PTO requires a Special Housing and is not available in standard kit form.
2 TG Series Input Gear: #03T35540 — Refer to kit program on pages 27-29.
3 Direct mount pump interferes with transmission flange at the rear of the PTO opening. Shaft high arrangement interferes with a bulge in the case. Direct mount PKS pumps with "S" Flange on PTO may be mounted towards the front of the vehicle or use adapter listed above, note change in rotation in either case.
4 Do not use for continuous duty applications.
5 Change PTO to Standard housing (TG6S and CS6S) and to U68 input gear (TG #03T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter). Multiply speed shown by 1.15.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

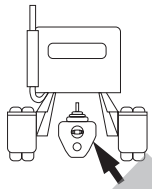
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

ES60-5A (301460), ES60-5C (301461), ES60-5F (301482), ES62-5A, ES67-5A, CM-5052A (301068, 301472), CM-5052C (301080, 301249), CM-5510 (301315, 301371), CM-5552A (301309, 301366), CM-5552C (301311, 301368), CM-5952A (301360), CM-5952C (301362)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
41T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .470
PLV: 850 FPM **RPM:** 490



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S7006-C1BX	1, 2	Opp	51				23M80295+23M80062	20MK8815	Cable	245	47
	TG8S-S7007-C1BX	1, 2	Opp	61				23M80295+23M80062	20MK8815	Cable	230	44
	TG8S-S7008-C1BX	1, 2	Opp	74				23M80295+23M80062	20MK8815	Cable	230	44
	TG8S-S7009-C1BX	1, 2	Opp	77				23M80295+23M80062	20MK8815	Cable	205	39
	TG8S-S7012-C1BH	1, 2	Opp	95				23M80295+23M80062	20MK8815	Cable	210	40
	TG8S-S7013-C1BH	1, 2	Opp	108				23M80295+23M80062	20MK8815	Cable	210	40
	TG8S-S7015-C1BH	1, 2	Opp	121				23M80295+23M80062	20MK8815	Cable	195	37
	TG8S-S7018-C1BH	1, 2	Opp	144				23M80295+23M80062	20MK8815	Cable	175	33
SH SERIES	SH8S-S7009-E1BX		Opp	72				23M80248+23M80062	20MK8815	Elec/Air	375	71
CLUTCH SHIFT	CS8S-S7009-E1BX		Opp	72				23M80248+23M80062	20MK8815	Power	275	52
1 FWD. 1 REV.						6, 7, & 8						
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-S7008-L1CX		Opp	43				23M80248+23M80062	20MK8817	Lever	450	85
	828S-S7010-L1CX		Opp	57				23M80248+23M80062	20MK8817	Lever	410	78
	828S-S7013-L1CX		Opp	77				23M80248+23M80062	20MK8817	Lever	375	71
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 For Mack Midliner applications use assembly arrangement #3.
2 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

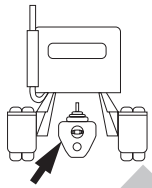
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES60-5A (301460), ES60-5C (301461), ES60-5F (301482), ES62-5A, ES67-5A, CM-5052A (301068, 301472), CM-5052C (301080, 301249), CM-5510 (301315, 301371), CM-5552A (301309, 301366), CM-5552C (301311, 301368), CM-5952A (301360), CM-5952C (301362)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
41T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .722
PLV: 850 FPM **RPM:** 490



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S7006-C3BX	1	Opp	51				23M60350	20MK6604	Cable	245	47
	TG6S-S7007-C3BX	1	Opp	61				23M60350	20MK6604	Cable	230	44
	TG6S-S7008-C3BX	1	Opp	74				23M60350	20MK6604	Cable	230	44
	TG6S-S7009-C3BX	1	Opp	77				23M60350	20MK6604	Cable	205	39
	TG6S-S7012-C3BH	1	Opp	95				23M60350	20MK6604	Cable	210	40
	TG6S-S7013-C3BH	1	Opp	108				23M60350	20MK6604	Cable	210	40
	TG6S-S7015-C3BH	1	Opp	121				23M60350	20MK6604	Cable	195	37
	TG6S-S7018-C3BH	1	Opp	144				23M60350	20MK6604	Cable	175	33
SH SERIES	SH6S-S7009-E3BX		Opp	72				23M60350	20TK4434	Elec/Air	375	71
CLUTCH SHIFT	CS6S-S7009-E3BX		Opp	72				23M60350	20TK4434	Power	275	52
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

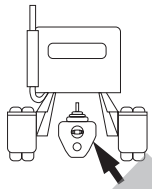
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

ES55-5D, ES60-5D (301462), ES62-5D (301530), ES67-5D (301534), CM-5052D (301230, 301250), CM-5552D (301312, 301369), CM-5952D (301363)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
43T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .290
PLV: 894 FPM **RPM:** 491



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S7005-C1BX	1, 2	Opp	41				23M80500	20MK8817	Cable	270	51
	TG8S-S7006-C1BX	1, 2	Opp	54				23M80500	20MK8817	Cable	245	47
	TG8S-S7007-C1BX	1, 2	Opp	63				23M80500	20MK8817	Cable	230	44
	TG8S-S7008-C1BX	1, 2	Opp	78				23M80500	20MK8817	Cable	230	44
	TG8S-S7009-C1BX	1, 2	Opp	81				23M80500	20MK8817	Cable	205	39
	TG8S-S7012-C1BH	1, 2	Opp	99				23M80500	20MK8817	Cable	210	40
	TG8S-S7013-C1BH	1, 2	Opp	113				23M80500	20MK8817	Cable	210	40
	TG8S-S7015-C1BH	1, 2	Opp	128				23M80500	20MK8817	Cable	195	37
	TG8S-S7018-C1BH	1, 2	Opp	151				23M80500	20MK8817	Cable	175	33
SH SERIES	SH8S-S7009-E1BX		Opp	76				23M80500	20MK8817	Elec/Air	375	71
CLUTCH SHIFT	CS8S-S7009-E1BX		Opp	76				23M80500	20MK8817	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-S7008-L1CX		Opp	45				23M80500	20MK8816	Lever	450	85
	828S-S7010-L1CX		Opp	61				23M80500	20MK8816	Lever	410	78
	828S-S7013-L1CX		Opp	80				23M80500	20MK8816	Lever	375	71
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 For Mack Midliner applications use assembly arrangement #3.
2 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

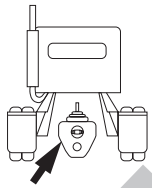
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES55-5D, ES60-5D (301462), ES62-5D (301530), ES67-5D (301534), CM-5052D (301230, 301250), CM-5552D (301312, 301369), CM-5952D (301363)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
43T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .560
PLV: 894 FPM **RPM:** 491



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S7005-C3BX	1	Opp	41				23M60500	20MK6605	Cable	270	51
	TG6S-S7006-C3BX	1	Opp	54				23M60500	20MK6605	Cable	245	47
	TG6S-S7007-C3BX	1	Opp	63				23M60500	20MK6605	Cable	230	44
	TG6S-S7008-C3BX	1	Opp	78				23M60500	20MK6605	Cable	230	44
	TG6S-S7009-C3BX	1	Opp	81				23M60500	20MK6605	Cable	205	39
	TG6S-S7012-C3BH	1	Opp	99				23M60500	20MK6605	Cable	210	40
	TG6S-S7013-C3BH	1	Opp	113				23M60500	20MK6605	Cable	210	40
	TG6S-S7015-C3BH	1	Opp	128				23M60500	20MK6605	Cable	195	37
	TG6S-S7018-C3BH	1	Opp	151				23M60500	20MK6605	Cable	175	33
SH SERIES	SH6S-S7009-E3BX		Opp	76				23M60500	20TK4435	Elec/Air	375	71
CLUTCH SHIFT	CS6S-S7009-E3BX		Opp	76				23M60500	20TK4435	Power	275	52
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

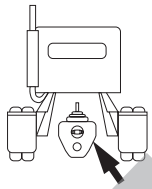
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

ES60-5E (301463), CM50-HD, CM-5252A (301081, 301251), CM-5852A (301313, 301370), CM-5952E (301364)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
43T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .290
PLV: 972 FPM **RPM:** 534



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S7005-C1BX	1, 2	Opp	45				23M80500	20MK8817	Cable	270	51
	TG8S-S7006-C1BX	1, 2	Opp	59				23M80500	20MK8817	Cable	245	47
	TG8S-S7007-C1BX	1, 2	Opp	69				23M80500	20MK8817	Cable	230	44
	TG8S-S7008-C1BX	1, 2	Opp	84				23M80500	20MK8817	Cable	230	44
	TG8S-S7009-C1BX	1, 2	Opp	88				23M80500	20MK8817	Cable	205	39
	TG8S-S7012-C1BH	1, 2	Opp	108				23M80500	20MK8817	Cable	210	40
	TG8S-S7013-C1BH	1, 2	Opp	123				23M80500	20MK8817	Cable	210	40
	TG8S-S7015-C1BH	1, 2	Opp	139				23M80500	20MK8817	Cable	195	37
	TG8S-S7018-C1BH	1, 2	Opp	165				23M80500	20MK8817	Cable	175	33
SH SERIES	SH8S-S7009-E1BX		Opp	82				23M80500	20MK8817	Elec/Air	375	71
CLUTCH SHIFT	CS8S-S7009-E1BX		Opp	82				23M80500	20MK8817	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-S7008-L1CX		Opp	49				23M80500	20MK8816	Lever	450	85
	828S-S7010-L1CX		Opp	66				23M80500	20MK8816	Lever	410	78
	828S-S7013-L1CX		Opp	87				23M80500	20MK8816	Lever	375	71
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 For Mack Midliner applications use assembly arrangement #3.
2 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

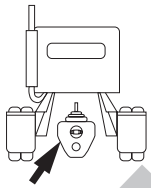
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES60-5E (301463), CM50-HD, CM-5252A (301081, 301251), CM-5852A (301313, 301370), CM-5952E (301364)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
43T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .560
PLV: 972 FPM **RPM:** 534



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S7005-C3BX	1	Opp	45				23M60500	20MK6605	Cable	270	51
	TG6S-S7006-C3BX	1	Opp	59				23M60500	20MK6605	Cable	245	47
	TG6S-S7007-C3BX	1	Opp	69				23M60500	20MK6605	Cable	230	44
	TG6S-S7008-C3BX	1	Opp	84				23M60500	20MK6605	Cable	230	44
	TG6S-S7009-C3BX	1	Opp	88				23M60500	20MK6605	Cable	205	39
	TG6S-S7012-C3BH	1	Opp	108				23M60500	20MK6605	Cable	210	40
	TG6S-S7013-C3BH	1	Opp	123				23M60500	20MK6605	Cable	210	40
	TG6S-S7015-C3BH	1	Opp	139				23M60500	20MK6605	Cable	195	37
	TG6S-S7018-C3BH	1	Opp	165				23M60500	20MK6605	Cable	175	33
SH SERIES	SH6S-S7009-E3BX		Opp	82				23M60500	20TK4435	Elec/Air	375	71
CLUTCH SHIFT	CS6S-S7009-E3BX		Opp	82				23M60500	20TK4435	Power	275	52
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

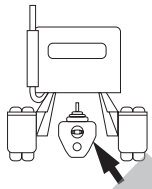
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

ES65-5A (301466), ES70-5A (301536), ES72-5A, CM-6052A (301075, 301253, 301413)

PTO DRIVE GEAR DATA:
40T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** -.025
PLV: 1015 FPM **RPM:** 522



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S6005-C1BX	1	Opp	47				23M80500+23M80295	20MK8816	Cable	270	51
	TG8S-S6006-C1BX	1	Opp	61				23M80500+23M80295	20MK8816	Cable	245	47
	TG8S-S6007-C1BX	1	Opp	72				23M80500+23M80295	20MK8816	Cable	230	44
	TG8S-S6008-C1BX	1	Opp	88				23M80500+23M80295	20MK8816	Cable	230	44
	TG8S-S6009-C1BX	1	Opp	92				23M80500+23M80295	20MK8816	Cable	205	39
	TG8S-S6012-C1BH	1	Opp	113				23M80500+23M80295	20MK8816	Cable	210	40
	TG8S-S6013-C1BH	1	Opp	129				23M80500+23M80295	20MK8816	Cable	210	40
	TG8S-S6015-C1BH	1	Opp	145				23M80500+23M80295	20MK8816	Cable	195	37
	TG8S-S6018-C1BH	1	Opp	172				23M80500+23M80295	20MK8816	Cable	175	33
SH SERIES	SH8S-S6007-E1BX		Opp	69				23M80500+23M80248	20MK8816	Elec/Air	400	76
CLUTCH SHIFT	CS8S-S6007-E1BX		Opp	69				23M80500+23M80248	20MK8816	Power	300	57
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1: **ASSEMBLY ARRANGEMENT** (see pages 18-19)
- B: **OUTPUT SHAFT** (see page 6)
- X: **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

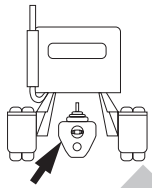
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES65-5A (301466), ES70-5A (301536), ES72-5A, CM-6052A (301075, 301253, 301413)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
40T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .809
PLV: 1015 FPM **RPM:** 522



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6005-C3BX	1	Opp	47				23M60270	20MK6604	Cable	270	51
	TG6S-S6006-C3BX	1	Opp	61				23M60270	20MK6604	Cable	245	47
	TG6S-S6007-C3BX	1	Opp	72				23M60270	20MK6604	Cable	230	44
	TG6S-S6008-C3BX	1	Opp	88				23M60270	20MK6604	Cable	230	44
	TG6S-S6009-C3BX	1	Opp	92				23M60270	20MK6604	Cable	205	39
	TG6S-S6012-C3BH	1	Opp	113				23M60270	20MK6604	Cable	210	40
	TG6S-S6013-C3BH	1	Opp	129				23M60270	20MK6604	Cable	210	40
	TG6S-S6015-C3BH	1	Opp	145				23M60270	20MK6604	Cable	195	37
	TG6S-S6018-C3BH	1	Opp	172				23M60270	20MK6604	Cable	175	33
SH SERIES	SH6S-S6007-E3BX		Opp	69				23M60187S	20TK4433	Elec/Air	400	76
CLUTCH SHIFT	CS6S-S6007-E3BX		Opp	69				23M60187S	20TK4433	Power	300	57
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.

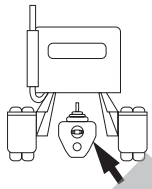
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING



ES65-5B (301467),
CM-6052B (301082, 301254, 301414)

PTO DRIVE GEAR DATA:
38T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .160
PLV: 964 FPM **RPM:** 522

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S6005-C1BX	1	Opp	44				23M80375+23M80248	20MK8817	Cable	270	51
	TG8S-S6006-C1BX	1	Opp	58				23M80375+23M80248	20MK8817	Cable	245	47
	TG8S-S6007-C1BX	1	Opp	68				23M80375+23M80248	20MK8817	Cable	230	44
	TG8S-S6008-C1BX	1	Opp	83				23M80375+23M80248	20MK8817	Cable	230	44
	TG8S-S6009-C1BX	1	Opp	87				23M80375+23M80248	20MK8817	Cable	205	39
	TG8S-S6012-C1BH	1	Opp	107				23M80375+23M80248	20MK8817	Cable	210	40
	TG8S-S6013-C1BH	1	Opp	122				23M80375+23M80248	20MK8817	Cable	210	40
	TG8S-S6015-C1BH	1	Opp	137				23M80375+23M80248	20MK8817	Cable	195	37
	TG8S-S6018-C1BH	1	Opp	163				23M80375+23M80248	20MK8817	Cable	175	33
SH SERIES	SH8S-S6007-E1BX		Opp	65				23M80375+23M80190	20MK8817	Elec/Air	400	76
CLUTCH SHIFT	CS8S-S6007-E1BX		Opp	65				23M80375+23M80190	20MK8817	Power	300	57
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

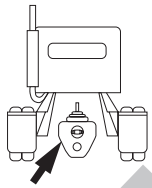
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

ES65-5B (301467),
CM-6052B (301082, 301254, 301414)

PTO DRIVE GEAR DATA:
38T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .994
PLV: 964 FPM **RPM:** 522



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6005-C3BX	1	Opp	44				23M60093S	20MK6602	Cable	270	51
	TG6S-S6006-C3BX	1	Opp	58				23M60093S	20MK6602	Cable	245	47
	TG6S-S6007-C3BX	1	Opp	68				23M60093S	20MK6602	Cable	230	44
	TG6S-S6008-C3BX	1	Opp	83				23M60093S	20MK6602	Cable	230	44
	TG6S-S6009-C3BX	1	Opp	87				23M60093S	20MK6602	Cable	205	39
	TG6S-S6012-C3BH	1	Opp	107				23M60093S	20MK6602	Cable	210	40
	TG6S-S6013-C3BH	1	Opp	122				23M60093S	20MK6602	Cable	210	40
	TG6S-S6015-C3BH	1	Opp	137				23M60093S	20MK6602	Cable	195	37
	TG6S-S6018-C3BH	1	Opp	163				23M60093S	20MK6602	Cable	175	33
SH SERIES	SH6S-S6007-E3BX		Opp	65				23M60032S	Included	Elec/Air	400	76
CLUTCH SHIFT	CS6S-S6007-E3BX		Opp	65				23M60032S	Included	Power	300	57
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

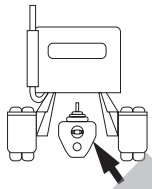
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

ES65-5D (301469), ES70-5D (301539), ES72-5C, ES72-5D, CM-6052D (301256, 301416), CV67F

PTO DRIVE GEAR DATA:
42T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** -.211
PLV: 1067 FPM **RPM:** 522



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S6005-C1BX	1	Opp	49				(2) 23M80500	20MK8807	Cable	270	51
	TG8S-S6006-C1BX	1	Opp	63				(2) 23M80500	20MK8807	Cable	245	47
	TG8S-S6007-C1BX	1	Opp	75				(2) 23M80500	20MK8807	Cable	230	44
	TG8S-S6008-C1BX	1	Opp	93				(2) 23M80500	20MK8807	Cable	230	44
	TG8S-S6009-C1BX	1	Opp	97				(2) 23M80500	20MK8807	Cable	205	39
	TG8S-S6012-C1BH	1	Opp	119				(2) 23M80500	20MK8807	Cable	210	40
	TG8S-S6013-C1BH	1	Opp	136				(2) 23M80500	20MK8807	Cable	210	40
	TG8S-S6015-C1BH	1	Opp	153				(2) 23M80500	20MK8807	Cable	195	37
	TG8S-S6018-C1BH	1	Opp	181				(2) 23M80500	20MK8807	Cable	175	33
SH SERIES	SH8S-S6007-E1BX		Opp	72				(2) 23M80500	20MK8807	Elec/Air	400	76
CLUTCH SHIFT	CS8S-S6007-E1BX		Opp	72				(2) 23M80500	20MK8807	Power	300	57
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

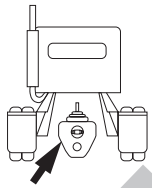
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

ES65-5D (301469), ES70-5D (301539), ES72-5C, ES72-5D, CM-6052D (301256, 301416), CV67F

PTO DRIVE GEAR DATA:
42T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .623
PLV: 1067 FPM **RPM:** 522



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6005-C3BX	1	Opp	49				23M60450	20MK6605	Cable	270	51
	TG6S-S6006-C3BX	1	Opp	63				23M60450	20MK6605	Cable	245	47
	TG6S-S6007-C3BX	1	Opp	75				23M60450	20MK6605	Cable	230	44
	TG6S-S6008-C3BX	1	Opp	93				23M60450	20MK6605	Cable	230	44
	TG6S-S6009-C3BX	1	Opp	97				23M60450	20MK6605	Cable	205	39
	TG6S-S6012-C3BH	1	Opp	119				23M60450	20MK6605	Cable	210	40
	TG6S-S6013-C3BH	1	Opp	136				23M60450	20MK6605	Cable	210	40
	TG6S-S6015-C3BH	1	Opp	153				23M60450	20MK6605	Cable	195	37
	TG6S-S6018-C3BH	1	Opp	181				23M60450	20MK6605	Cable	175	33
SH SERIES	SH8S-S6007-E3BX		Opp	72				23M60350	20TK4435	Elec/Air	400	76
CLUTCH SHIFT	CS6S-S6007-E3BX		Opp	72				23M60350	20TK4435	Power	300	57
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.

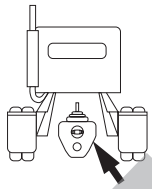
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING



ES65-5E (301468), CM-6052C (301083, 301255, 301468)

PTO DRIVE GEAR DATA:
42T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** -.211
PLV: 1160 FPM **RPM:** 568

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S6005-C1BX	1	Opp	53				(2) 23M80500	20MK8807	Cable	270	51
	TG8S-S6006-C1BX	1	Opp	69				(2) 23M80500	20MK8807	Cable	245	47
	TG8S-S6007-C1BX	1	Opp	82				(2) 23M80500	20MK8807	Cable	230	44
	TG8S-S6008-C1BX	1	Opp	101				(2) 23M80500	20MK8807	Cable	230	44
	TG8S-S6009-C1BX	1	Opp	105				(2) 23M80500	20MK8807	Cable	205	39
	TG8S-S6012-C1BH	1	Opp	129				(2) 23M80500	20MK8807	Cable	210	40
	TG8S-S6013-C1BH	1	Opp	147				(2) 23M80500	20MK8807	Cable	210	40
	TG8S-S6015-C1BH	1	Opp	165				(2) 23M80500	20MK8807	Cable	195	37
	TG8S-S6018-C1BH	1	Opp	196				(2) 23M80500	20MK8807	Cable	175	33
SH SERIES	SH8S-S6007-E1BX		Opp	79				23M80500+23M80375	20MK8807	Elec/Air	400	76
CLUTCH SHIFT	CS8S-S6007-E1BX		Opp	79				23M80500+23M80375	20MK8807	Power	300	57
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

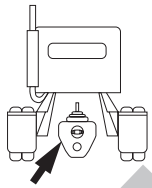
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

ES65-5E (301468),
CM-6052C (301083, 301255, 301468)

PTO DRIVE GEAR DATA:
42T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .623
PLV: 1160 FPM **RPM:** 568



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6004-C3BX	1	Opp	41				23M60450	20MK6605	Cable	285	54
	TG6S-S6005-C3BX	1	Opp	53				23M60450	20MK6605	Cable	270	51
	TG6S-S6006-C3BX	1	Opp	69				23M60450	20MK6605	Cable	245	47
	TG6S-S6007-C3BX	1	Opp	82				23M60450	20MK6605	Cable	230	44
	TG6S-S6008-C3BX	1	Opp	101				23M60450	20MK6605	Cable	230	44
	TG6S-S6009-C3BX	1	Opp	105				23M60450	20MK6605	Cable	205	39
	TG6S-S6012-C3BH	1	Opp	129				23M60450	20MK6605	Cable	210	40
	TG6S-S6013-C3BH	1	Opp	147				23M60450	20MK6605	Cable	210	40
	TG6S-S6015-C3BH	1	Opp	165				23M60450	20MK6605	Cable	195	37
	TG6S-S6018-C3BH	1	Opp	196				23M60450	20MK6605	Cable	175	33
SH SERIES	SH6S-S6007-E3BX		Opp	79				23M60350	20TK4435	Elec/Air	400	76
CLUTCH SHIFT	CS6S-S6007-E3BX		Opp	79				23M60350	20TK4435	Power	300	57
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

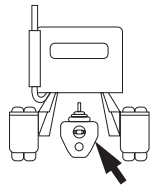
FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



ASO56-7A (301452, 301636), ASO56-7B (301452, 301636), ASO66-7A, ASO66-7B, ESO65-7A (301452, 301636), ESO66-7B (301643, 301638, 301742)

Footnote (3)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
34T 7.00P 17.5°PA 18° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 880 FPM **RPM:** 658

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7106-C1BX	1, 2, 4	Opp	47					Included	Cable	245	47
	TG6N-S7107-C1BX	1, 2, 4	Opp	56					Included	Cable	230	44
	TG6N-S7108-C1BX	1, 2, 4	Opp	68					Included	Cable	230	44
	TG6N-S7109-C1BX	1, 2, 4	Opp	71					Included	Cable	205	39
	TG6N-S7112-C1BH	1, 2, 4	Opp	87					Included	Cable	210	40
	TG6N-S7113-C1BH	1, 2, 4	Opp	99					Included	Cable	210	40
	TG6N-S7115-C1BH	1, 2, 4	Opp	112					Included	Cable	195	37
	TG6N-S7118-C1BH	1, 2, 4	Opp	133					Included	Cable	175	33
SH SERIES	SH6N-S7107-E1BX	4	Opp	53					Included	Elec/Air	400	76
	SH6N-S7109-E1BX	4	Opp	66					Included	Elec/Air	375	71
	SH6S-U6809-E1BX		Crnk	78			40TS7168		Included	Elec/Air	375	71
	SH6S-U6812-E1BX		Crnk	103			40TS7168		Included	Elec/Air	325	62
CLUTCH SHIFT	CS6N-S7107-E1BX	4	Opp	53					Included	Power	300	57
	CS6N-S7109-E1BX	4	Opp	66					Included	Power	275	52
	CS6S-U6809-E1BX		Crnk	78			40TS7168		Included	Power	275	52
	CS6S-U6812-E1BX		Crnk	103			40TS7168		Iincluded	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	6	Crnk	49		49	40TS7168	23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TS7168						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 This PTO requires a Special Housing and is not available in standard kit form.
2 TG Series Input Gear: #03T35540 — Refer to kit program on pages 27-29.
3 Possible exhaust interference.
4 Use “3” arrangement PTO for direct mount pump clearance.
5 Change PTO to Standard housing (TG6S and CS6S) and to U68 input gear (TG #03T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter). Multiply speed shown by 1.15.
6 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

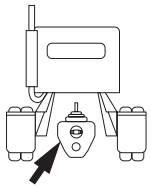
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ASO56-7A (301452, 301636), ASO56-7B (301452, 301636), ASO66-7A, ASO66-7B, ESO65-7A (301452, 301636), ESO66-7B (301643, 301638, 301742)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
34T 7.00P 17.5°PA 18° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 880 FPM **RPM:** 658



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7106-C3BX	1, 2, 3	Opp	47					Included	Cable	245	47
	TG6N-S7107-C3BX	1, 2, 3	Opp	56					Included	Cable	230	44
	TG6N-S7108-C3BX	1, 2, 3	Opp	68					Included	Cable	230	44
	TG6N-S7109-C3BX	1, 2, 3	Opp	71					Included	Cable	205	39
	TG6N-S7112-C3BH	1, 2, 3	Opp	87					Included	Cable	210	40
	TG6N-S7113-C3BH	1, 2, 3	Opp	99					Included	Cable	210	40
	TG6N-S7115-C3BH	1, 2, 3	Opp	112					Included	Cable	195	37
	TG6N-S7118-C3BH	1, 2, 3	Opp	133					Included	Cable	175	33
SH SERIES	SH6N-S7107-E3BX	3	Opp	53					Included	Elec/Air	400	76
	SH6N-S7109-E3BX	3	Opp	66					Included	Elec/Air	375	71
	SH6S-U6809-E3BX		Crnk	78			40TS7168		Included	Elec/Air	375	71
	SH6S-U6812-E3BX		Crnk	103			40TS7168		Included	Elec/Air	325	62
CLUTCH SHIFT	CS6N-S7107-E3BX	3	Opp	53					Included	Power	300	57
	CS6N-S7109-E3BX	3	Opp	66					Included	Power	275	52
	CS6S-U6809-E3BX		Crnk	78			40TS7168		Included	Power	275	52
	CS6S-U6812-E3BX		Crnk	103			40TS7168		Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	5	Crnk	49		49	40TS7168	23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TS7168						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 - **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B - **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X - **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

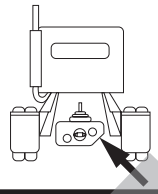
1 This PTO requires a Special Housing and is not available in standard kit form.
2 TG Series Input Gear: #03T35540 — Refer to kit program on pages 27-29.
3 Direct mount pump interferes with transmission flange at the rear of the PTO opening. Shaft high arrangement interferes with a bulge in the case. Direct mount pumps may be mounted towards the front of the vehicle.
4 Change PTO to Standard housing (TG6S and CS6S) and to U68 input gear (TG #03T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter). Multiply speed shown by 1.15.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



AS125-9A, AS135-9A, AS140-9A, LAS115-9A, LAS125-9A, LAS135-9A, LAS145-9A, LPS9-VPD, LPS125-9A, LPS140-9A, PS9-VPD, PS95-9A, PS125-9A (301431), PS140-9A

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Rear **PLMF:** 1.08
PLV: 1207 FPM **RPM:** 615

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 3, 4	Opp	42				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 3, 4	Opp	54				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 3, 4	Opp	71				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 3, 4	Opp	84				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 3, 4	Opp	103				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 3, 4	Opp	107				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 3, 4	Opp	131				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 3, 4	Opp	150				23M60032S	Included	Cable	210	40
	TG6S-X6815-C2BH	1, 3, 4	Opp	169				23M60032S	Included	Cable	195	37
	TG6S-X6818-C2BH	1, 3, 4	Opp	200				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	2, 5	Opp	63		63	40TU68102	23M60200S+23M60032S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	See Footnote Below						**REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL6D-U6803 with combined reduction gear box is not available in the "2" assembly.
3 Direct mount pumps will not clear bulge on right side unless adapter is used.
4 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
5 Do not use for continuous duty applications.
6 For continuous duty applications use 40TU6800 + 23M62000 + 20MK6631 or for clearance use 40TU6855-2. X68 input can be changed to U68 and spacer shown on application is not used.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

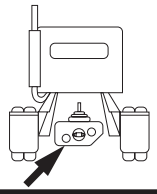
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

AS125-9A, AS135-9A, AS140-9A, LAS115-9A, LAS125-9A, LAS135-9A, LAS145-9A, LPS9-VPD, LPS125-9A, LPS140-9A, PS9-VPD, PS95-9A, PS125-9A (301431), PS140-9A

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Front **PLMF:** .731/1.00
PLV: 1207 FPM **RPM:** 615



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 3	Opp	42				23M80032	Included	Cable	285	54
	TG8S-X6805-C3BX	1, 3	Opp	54				23M80032	Included	Cable	270	51
	TG8S-X6806-C3BX	1, 3	Opp	71				23M80032	Included	Cable	245	47
	TG8S-X6807-C3BX	1, 3	Opp	84				23M80032	Included	Cable	230	44
	TG8S-X6808-C3BX	1, 3	Opp	103				23M80032	Included	Cable	230	44
	TG8S-X6809-C3BX	1, 3	Opp	107				23M80032	Included	Cable	205	39
	TG8S-X6812-C3BH	1, 3	Opp	131				23M80032	Included	Cable	210	40
	TG8S-X6813-C3BH	1, 3	Opp	150				23M80032	Included	Cable	210	40
	TG8S-X6815-C3BH	1, 3	Opp	169				23M80032	Included	Cable	195	37
	TG8S-X6818-C3BH	1, 3	Opp	200				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	54					Included	Elec/Air	400	76
	SH8S-U6807-E3BX	3	Opp	80					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	3	Opp	99					Included	Elec/Air	375	71
	SH8S-U6812-E3BX	3	Opp	132					Included	Elec/Air	325	62
	SH8S-U6813-E3BX		Opp	153					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	54					Included	Power	300	57
	CS8S-U6806-E3BX		Opp	64					Included	Power	300	57
	CS8S-U6807-E3BX	3	Opp	80					Included	Power	300	57
	CS8S-U6809-E3BX	3	Opp	99					Included	Power	275	52
	CS8S-U6812-E3BX	3	Opp	132					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6805-L3BX	4	Opp	63		63		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6808-L3CX		Opp	61					Included	Lever	450	85
	828S-U6809-L3CX		Opp	75					Included	Lever	410	78
	828S-U6810-L3CX		Opp	81					Included	Lever	410	78
	828S-U6812-L3CX		Opp	93					Included	Lever	375	71
	828S-U6813-L3CX		Opp	108					Included	Lever	375	71
	828S-U6815-L3CX		Opp	118				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Opp	146				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

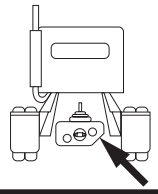
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing and TG Series to U68 (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
3 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PS97-7A (301446),
9072A (301321)

PTO DRIVE GEAR DATA:
50T 6P 20°PA Spur
LOCATION: Front **PLMF:** .910
PLV: 1309 FPM **RPM:** 424

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6805-C1BX	1, 4	Opp	42				23M60187S	20MK6603	Cable	270	51
	TG6S-X6806-C1BX	1, 4	Opp	54				23M60187S	20MK6603	Cable	245	47
	TG6S-X6807-C1BX	1, 4	Opp	64				23M60187S	20MK6603	Cable	230	44
	TG6S-X6808-C1BX	1, 4	Opp	79				23M60187S	20MK6603	Cable	230	44
	TG6S-X6809-C1BX	1, 4	Opp	82				23M60187S	20MK6603	Cable	205	39
	TG6S-X6812-C1BH	1, 4	Opp	101				23M60187S	20MK6603	Cable	210	40
	TG6S-X6813-C1BH	1, 4	Opp	115				23M60187S	20MK6603	Cable	210	40
	TG6S-X6815-C1BH	1, 4	Opp	129				23M60187S	20MK6603	Cable	195	37
	TG6S-X6818-C1BH	1, 4	Opp	153				23M60187S	20MK6603	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	41				23M60165S	20TK4433	Elec/Air	400	76
	SH6S-U6807-E1BX	4	Opp	61				23M60165S	20TK4433	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Opp	76				23M60165S	20TK4433	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Opp	101				23M60165S	20TK4433	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Opp	41				23M60165S	20TK4433	Power	300	57
	CS6S-U6807-E1BX	4	Opp	61				23M60165S	20TK4433	Power	300	57
	CS6S-U6809-E1BX	4	Opp	76				23M60165S	20TK4433	Power	275	52
	CS6S-U6812-E1BX	4	Opp	101				23M60165S	20TK4433	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	48		48		23M60350	20MK6604	Lever	200	38
ADAPTER TO CHANGE ROTATION		2, 3	40TU6810-1 + 23M60165S + 20MK6603						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series to TG6S-U68 input gear. Use standard stud kit and no spacer on PTO side.
RL requires 23M60200S + 20MK6603 on PTO side of adapter.
3 Do not use for continuous duty applications.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown.
Add spacer 23M60200S and change stud kit to 20MK6605.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

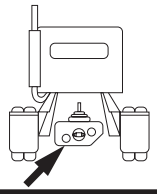
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PS97-7A (301446), 9072A (301321)

PTO DRIVE GEAR DATA:
50T 6P 20°PA Spur
LOCATION: Front **PLMF:** .755
PLV: 1309 FPM **RPM:** 424



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6805-C1BX	1, 3	Opp	42				23M80062	Included	Cable	270	51
	TG8S-X6806-C1BX	1, 3	Opp	54				23M80062	Included	Cable	245	47
	TG8S-X6807-C1BX	1, 3	Opp	64				23M80062	Included	Cable	230	44
	TG8S-X6808-C1BX	1, 3	Opp	79				23M80062	Included	Cable	230	44
	TG8S-X6809-C1BX	1, 3	Opp	82				23M80062	Included	Cable	205	39
	TG8S-X6812-C1BH	1, 3	Opp	101				23M80062	Included	Cable	210	40
	TG8S-X6813-C1BH	1, 3	Opp	115				23M80062	Included	Cable	210	40
	TG8S-X6815-C1BH	1, 3	Opp	129				23M80062	Included	Cable	195	37
	TG8S-X6818-C1BH	1, 3	Opp	153				23M80062	Included	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	41				23M80062	Included	Elec/Air	400	76
	SH8S-U6807-E1BX	3	Opp	61				23M80062	Included	Elec/Air	400	76
	SH8S-U6809-E1BX	3	Opp	76				23M80062	Included	Elec/Air	375	71
	SH8S-U6812-E1BX	3	Opp	101				23M80062	Included	Elec/Air	325	62
	SH8S-U6813-E1BX	3	Opp	117				23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	41				23M80062	Included	Power	300	57
	CS8S-U6807-E1BX	3	Opp	61				23M80062	Included	Power	300	57
	CS8S-U6809-E1BX	3	Opp	76				23M80062	Included	Power	275	52
	CS8S-U6812-E1BX	3	Opp	101				23M80062	Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6805-L3BX	4	Opp	48		48		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6808-L1CX		Opp	47				23M80062	Included	Lever	450	85
	828S-U6809-L1CX		Opp	57				23M80062	Included	Lever	410	78
	828S-U6810-L1CX		Opp	62				23M80062	Included	Lever	410	78
	828S-U6812-L1CX		Opp	71				23M80062	Included	Lever	375	71
	828S-U6813-L1CX		Opp	83				23M80062	Included	Lever	375	71
	828S-U6815-L1CX		Opp	90				23M80190	20MK8817	Lever	350	67
	828S-U6819-L1CX		Opp	112				23M80295	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing and TG to U68 input gear (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
3 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and change stud kit to 20MK8815.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

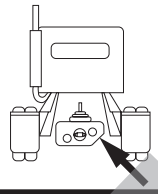
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

LLASO125-10S, LLASO140-10S, LLASO150-10S, LLPSO100-10S, LLPSO125-10S, LLPSO140-10S, LLPSO150-10S, LLPSO165-10S, LPSO10-VPD, LPSO100-10S, LPSO125-10S, LPSO140-10S, LPSO1550-10S, LPSO165-10S, PSO10-VPD, PSO100-10S, PSO125-10S, PSO140-10S, PSO150-9S, PSO150-10S, PSO160-10S, PSO165-10S

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Rear **PLMF:** 1.080
PLV: 1669 FPM **RPM:** 850



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 4	Opp	57				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 4	Opp	77				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 4	Opp	97				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 4	Opp	115				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 4	Opp	141				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 4	Opp	147				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 4	Opp	181				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 4	Opp	206				23M60032S	Included	Cable	210	40
	TG6S-X6815-C2BH	1, 4	Opp	232				23M60032S	Included	Cable	195	37
	TG6S-X6818-C2BH	1, 4	Opp	274				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	2, 5	Opp	84		84	40TU6810-2	23M60200S+23M60032S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	See Footnote 3						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 6)
ASSEMBLY ARRANGEMENT (see page 6)
OUTPUT SHAFT (see page 6)
SPECIAL OPTIONS (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL6D-U6803 with combined reduction gear box is not available in the "2" assembly.
3 Use 40TU6855-2 or 40TU6800 +23M62000 + 20MK6631 and change the input gear to U68.
4 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

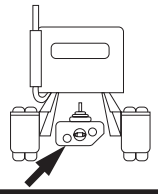
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

LLASO125-10S, LLASO140-10S, LLASO150-10S, LLPSO100-10S, LLPSO125-10S, LLPSO140-10S, LLPSO150-10S, LLPSO165-10S, LPSO10-VPD, LPSO100-10S, LPSO125-10S, LPSO140-10S, LPSO1550-10S, LPSO165-10S, PSO10-VPD, PSO100-10S, PSO125-10S, PSO140-10S, PSO150-9S, PSO150-10S, PSO160-10S, PSO165-10S

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Front **PLMF:** .731/1.00
PLV: 1669 FPM **RPM:** 850



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 5	Opp	57				23M80032	Included	Cable	285	54
	TG8S-X6805-C3BX	1, 5	Opp	77				23M80032	Included	Cable	270	51
	TG8S-X6806-C3BX	1, 5	Opp	97				23M80032	Included	Cable	245	47
	TG8S-X6807-C3BX	1, 5	Opp	115				23M80032	Included	Cable	230	44
	TG8S-X6808-C3BX	1, 5	Opp	141				23M80032	Included	Cable	230	44
	TG8S-X6809-C3BX	1, 5	Opp	147				23M80032	Included	Cable	205	39
	TG8S-X6812-C3BH	1, 5	Opp	181				23M80032	Included	Cable	210	40
	TG8S-X6813-C3BH	1, 5	Opp	206				23M80032	Included	Cable	210	40
	TG8S-X6815-C3BH	1, 5	Opp	232				23M80032	Included	Cable	195	37
	TG8S-X6818-C3BH	1, 5	Opp	274				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	75					Included	Elec/Air	400	76
	SH8S-U6807-E3BX	5	Opp	111					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	5	Opp	138					Included	Elec/Air	375	71
	SH8S-U6812-E3BX	5	Opp	183					Included	Elec/Air	325	62
	SH8S-U6813-E3BX	5	Opp	212					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	75					Included	Power	300	57
	CS8S-U6806-E3BX		Opp	89					Included	Power	300	57
	CS8S-U6807-E3BX	5	Opp	111					Included	Power	300	57
	CS8S-U6809-E3BX	5	Opp	138					Included	Power	275	52
	CS8S-U6812-E3BX	5	Opp	183					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 6	Opp	41		41		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	84		84		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Opp	55					Included	Lever	500	95
	828S-U6808-L3CX		Opp	84					Included	Lever	450	85
	828S-U6809-L3CX		Opp	104					Included	Lever	410	78
	828S-U6810-L3CX		Opp	112					Included	Lever	410	78
	828S-U6812-L3CX		Opp	129					Included	Lever	375	71
	828S-U6813-L3CX		Opp	150					Included	Lever	375	71
	828S-U6815-L3CX		Opp	163				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Opp	202				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing and TG to U68 (TG6S, CS6S, SH6S, and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 83 Series PTOs interfere with spring hanger on vehicles with set back front axles.
5 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

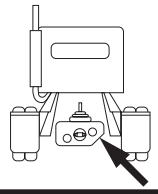
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

PS105-7LL (301464), PS130-5A (301470), PS130-6L (301465), 1052A (301091), 1054A (301092), 1352A (301235), T9505-2A (301408), T9505-2B (301425)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
43T 6P 20°PA Spur
LOCATION: Front **PLMF:** 1.638
PLV: 938 FPM **RPM:** 500



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U6805-C1BX	1, 3	Crnk	42			40TU6800	23M61000+23M60450	20MK6627	Cable	270	51
	TG6S-U6806-C1BX	1, 3	Crnk	55			40TU6800	23M61000+23M60450	20MK6627	Cable	245	47
	TG6S-U6807-C1BX	1, 3	Crnk	65			40TU6800	23M61000+23M60450	20MK6627	Cable	230	44
	TG6S-U6808-C1BX	1, 3	Crnk	80			40TU6800	23M61000+23M60450	20MK6627	Cable	230	44
	TG6S-U6809-C1BX	1, 3	Crnk	83			40TU6800	23M61000+23M60450	20MK6627	Cable	205	39
	TG6S-U6812-C1BH	1, 3	Crnk	102			40TU6800	23M61000+23M60450	20MK6627	Cable	210	40
	TG6S-U6813-C1BH	1, 3	Crnk	116			40TU6800	23M61000+23M60450	20MK6627	Cable	210	40
	TG6S-U6815-C1BH	1, 3	Crnk	131			40TU6800	23M61000+23M60450	20MK6627	Cable	195	37
	TG6S-U6818-C1BH	1, 3	Crnk	155			40TU6800	23M61000+23M60450	20MK6627	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	3	Crnk	62			40TU6800	23M61000+23M60450	20MK6627	Elec/Air	400	76
	SH6S-U6809-E1BX	3	Crnk	77			40TU6800	23M61000+23M60450	20MK6627	Elec/Air	375	71
	SH6S-U6812-E1BX	3	Crnk	103			40TU6800	23M61000+23M60450	20MK6627	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6807-E1BX	3	Crnk	62			40TU6800	23M61000+23M60450	20MK6627	Power	300	57
	CS6S-U6809-E1BX	3	Crnk	77			40TU6800	23M61000+23M60450	20MK6627	Power	275	52
	CS6S-U6812-E1BX	3	Crnk	103			40TU6800	23M61000+23M60450	20MK6627	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	2, 4	Crnk	49		49	40TU6800	23M61000+23M60450	20MK6627	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
2 Also requires 23M60200S spacer. Not supplied with PTO.
3 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6629.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

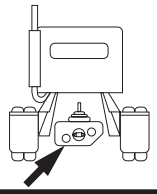
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

PS105-7LL (301464), PS130-5A (301470), PS130-6L (301465), 1052A (301091), 1054A (301092), 1352A (301235), T9505-2A (301408), T9505-2B (301425)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Front **PLMF:** 1.483
PLV: 938 FPM **RPM:** 500



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - PTO SERIES & HOUSING DESIGNATOR
- U68 - GEAR PITCH
- 07 - INTERNAL RATIO
- C - SHIFT OPTIONS
- 1 - ASSEMBLY ARRANGEMENT
- B - OUTPUT SHAFT
- X - SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 PTO's are not available on this application due to non-standard mounting depth. 6-Bolt adapters are not approved on bottom openings.

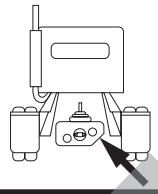
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PS110-7A (301519), PS140-7A (301444), PS145-7A (301520), 1107-2A (301201), 1372A (301271, 301398), 1374A (301272)

PTO DRIVE GEAR DATA:
43T 5P 20°PA Spur
LOCATION: Front **PLMF:** .990
PLV: 948 FPM **RPM:** 420



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U5705-C1BM	1, 2	Opp	42					Included	Cable	270	51
	TG6S-U5706-C1BM	1, 2	Opp	55					Included	Cable	245	47
	TG6S-U5707-C1BM	1, 2	Opp	65					Included	Cable	230	44
	TG6S-U5708-C1BM	1, 2	Opp	80					Included	Cable	230	44
	TG6S-U5709-C1BM	1, 2	Opp	83					Included	Cable	205	39
	TG6S-U5712-C1BQ	1, 2	Opp	102					Included	Cable	210	40
	TG6S-U5713-C1BQ	1, 2	Opp	116					Included	Cable	210	40
	TG6S-U5715-C1BQ	1, 2	Opp	131					Included	Cable	195	37
	TG6S-U5718-C1BQ	1, 2	Opp	155					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U5705-L3BX	3	Opp	50		50		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34451 — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

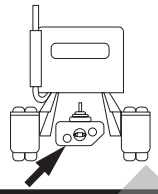
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PS110-7A (301519), PS140-7A (301444), PS145-7A (301520), 1107-2A (301201), 1372A (301271, 301398), 1374A (301272)

PTO DRIVE GEAR DATA:
43T 5P 20°PA Spur
LOCATION: Front **PLMF:** .990
PLV: 948 FPM **RPM:** 420



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U5705-C1BM	1, 2	Opp	42					Included	Cable	270	51
	TG6S-U5706-C1BM	1, 2	Opp	55					Included	Cable	245	47
	TG6S-U5707-C1BM	1, 2	Opp	65					Included	Cable	230	44
	TG6S-U5708-C1BM	1, 2	Opp	80					Included	Cable	230	44
	TG6S-U5709-C1BM	1, 2	Opp	83					Included	Cable	205	39
	TG6S-U5712-C1BQ	1, 2	Opp	102					Included	Cable	210	40
	TG6S-U5713-C1BQ	1, 2	Opp	116					Included	Cable	210	40
	TG6S-U5715-C1BQ	1, 2	Opp	131					Included	Cable	195	37
	TG6S-U5718-C1BQ	1, 2	Opp	155					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U5705-L3BX	3	Opp	50		50		23M60200S	20MK6602	Lever	200	38

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series Input Gear: #03T34451 — Refer to kit program on pages 27-29.
2. PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.
3. Do not use for continuous duty applications.

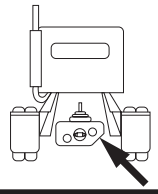
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PS110-7B (301518), PS125-7B (301445), 1372B (301325, 301405)

PTO DRIVE GEAR DATA:
56T 6P 20°PA Spur
LOCATION: Front **PLMF:** .668
PLV: 850 FPM **RPM:** 348

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6806-C1BM	1, 2, 5	Opp	50				23M60350	20MK6604	Cable	245	47
	TG6S-X6807-C1BM	1, 2, 5	Opp	59				23M60350	20MK6604	Cable	230	44
	TG6S-X6808-C1BM	1, 2, 5	Opp	72				23M60350	20MK6604	Cable	230	44
	TG6S-X6809-C1BM	1, 2, 5	Opp	75				23M60350	20MK6604	Cable	205	39
	TG6S-X6812-C1BQ	1, 2, 5	Opp	92				23M60350	20MK6604	Cable	210	40
	TG6S-X6813-C1BQ	1, 2, 5	Opp	105				23M60350	20MK6604	Cable	210	40
	TG6S-X6815-C1BQ	1, 2, 5	Opp	118				23M60350	20MK6604	Cable	195	37
	TG6S-X6818-C1BQ	1, 2, 5	Opp	140				23M60350	20MK6604	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	5	Opp	56				23M60350	20TK4434	Elec/Air	400	76
	SH6S-U6809-E1BX	5	Opp	70				23M60350	20TK4434	Elec/Air	375	71
	SH6S-U6812-E1BX	5	Opp	93				23M60350	20TK4434	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6807-E1BX	5	Opp	56				23M60350	20TK4434	Power	300	57
	CS6S-U6809-E1BX	5	Opp	70				23M60350	20TK4434	Power	275	52
	CS6S-U6812-E1BX	5	Opp	93				23M60350	20TK4434	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	4	Opp	44		44		23M60500	20MK6605	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6830-1 + 23M60350 + 20MK0115						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.
3 Change TG Series to TG6S-U68 input gear. Use standard stud kit. 23M60200S + 20MK6603 required for RL on PTO side of adapter.
4 Do not use for continuous duty applications.
5 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6606.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

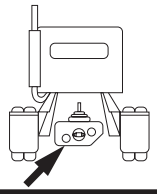
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PS110-7B (301518), PS125-7B (301445), 1372B (301325, 301405)

PTO DRIVE GEAR DATA:
56T 6P 20°PA Spur
LOCATION: Front **PLMF:** .668
PLV: 850 FPM **RPM:** 348



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6806-C1BM	1, 2, 5	Opp	50				23M60350	20MK6604	Cable	245	47
	TG6S-X6807-C1BM	1, 2, 5	Opp	59				23M60350	20MK6604	Cable	230	44
	TG6S-X6808-C1BM	1, 2, 5	Opp	72				23M60350	20MK6604	Cable	230	44
	TG6S-X6809-C1BM	1, 2, 5	Opp	75				23M60350	20MK6604	Cable	205	39
	TG6S-X6812-C1BQ	1, 2, 5	Opp	92				23M60350	20MK6604	Cable	210	40
	TG6S-X6813-C1BQ	1, 2, 5	Opp	105				23M60350	20MK6604	Cable	210	40
	TG6S-X6815-C1BQ	1, 2, 5	Opp	118				23M60350	20MK6604	Cable	195	37
	TG6S-X6818-C1BQ	1, 2, 5	Opp	140				23M60350	20MK6604	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	5	Opp	56				23M60350	20TK4434	Elec/Air	400	76
	SH6S-U6809-E1BX	5	Opp	70				23M60350	20TK4434	Elec/Air	375	71
	SH6S-U6812-E1BX	5	Opp	93				23M60350	20TK4434	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6807-E1BX	5	Opp	56				23M60350	20TK4434	Power	300	57
	CS6S-U6809-E1BX	5	Opp	70				23M60350	20TK4434	Power	275	52
	CS6S-U6812-E1BX	5	Opp	93				23M60350	20TK4434	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	4	Opp	44		44		23M60500	20MK6605	Lever	200	38

ADAPTER TO CHANGE ROTATION | **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1: **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B: **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X: **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

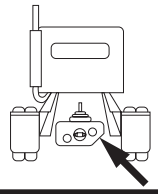
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.
3 Change TG Series to U68. Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 Do not use for continuous duty applications.
5 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6606.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PSO120-8LL (301644),
1007-3A (301121, 301208),
1207-3A (301199), 1263B (301109)

PTO DRIVE GEAR DATA:
54T 6P 20°PA Spur
LOCATION: Front **PLMF:** .721
PLV: 1346 FPM **RPM:** 571

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C1BX	1, 2, 4	Opp	46				23M60450	20MK6605	Cable	285	54
	TG6S-X6805-C1BX	1, 2, 4	Opp	60				23M60450	20MK6605	Cable	270	51
	TG6S-X6806-C1BX	1, 2, 4	Opp	78				23M60450	20MK6605	Cable	245	47
	TG6S-X6807-C1BX	1, 2, 4	Opp	93				23M60450	20MK6605	Cable	230	44
	TG6S-X6808-C1BX	1, 2, 4	Opp	113				23M60450	20MK6605	Cable	230	44
	TG6S-X6809-C1BX	1, 2, 4	Opp	118				23M60450	20MK6605	Cable	205	39
	TG6S-X6812-C1BH	1, 2, 4	Opp	145				23M60450	20MK6605	Cable	210	40
	TG6S-X6813-C1BH	1, 2, 4	Opp	165				23M60450	20MK6605	Cable	210	40
	TG6S-X6815-C1BH	1, 2, 4	Opp	186				23M60450	20MK6605	Cable	195	37
	TG6S-X6818-C1BH	1, 2, 4	Opp	220				23M60450	20MK6605	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	60				23M60450	20TK4435	Elec/Air	400	76
	SH6S-U6807-E1BX	4	Opp	89				23M60450	20TK4435	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Opp	111				23M60450	20TK4435	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Opp	147				23M60450	20TK4435	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Opp	60				23M60450	20TK4435	Power	300	57
	CS6S-U6806-E1BX		Opp	71				23M60450	20TK4435	Power	300	57
	CS6S-U6807-E1BX	4	Opp	89				23M60450	20TK4435	Power	300	57
	CS6S-U6809-E1BX	4	Opp	111				23M60450	20TK4435	Power	275	52
	CS6S-U6812-E1BX	4	Opp	147				23M60450	20TK4435	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	1, 3	Opp	70		70		23M60500+23M60062S	20MK6607	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Interference of exhaust on 1984 Peterbilt.
2 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
3 Do not use for continuous duty applications.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6607.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

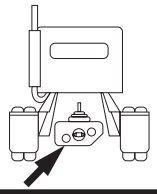
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PSO120-8LL (301644),
1007-3A (301121, 301208),
1207-3A (301199), 1263B (301109)

PTO DRIVE GEAR DATA:
54T 6P 20°PA Spur
LOCATION: Front **PLMF:** .566
PLV: 1346 FPM **RPM:** 571



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	1, 3	Opp	46				23M80165+23M80190	20MK8817	Cable	285	54
	TG8S-X6805-C1BX	1, 3	Opp	60				23M80165+23M80190	20MK8817	Cable	270	51
	TG8S-X6806-C1BX	1, 3	Opp	78				23M80165+23M80190	20MK8817	Cable	245	47
	TG8S-X6807-C1BX	1, 3	Opp	93				23M80165+23M80190	20MK8817	Cable	230	44
	TG8S-X6808-C1BX	1, 3	Opp	113				23M80165+23M80190	20MK8817	Cable	230	44
	TG8S-X6809-C1BX	1, 3	Opp	118				23M80165+23M80190	20MK8817	Cable	205	39
	TG8S-X6812-C1BH	1, 3	Opp	145				23M80165+23M80190	20MK8817	Cable	210	40
	TG8S-X6813-C1BH	1, 3	Opp	165				23M80165+23M80190	20MK8817	Cable	210	40
	TG8S-X6815-C1BH	1, 3	Opp	186				23M80165+23M80190	20MK8817	Cable	195	37
	TG8S-X6818-C1BH	1, 3	Opp	220				23M80165+23M80190	20MK8817	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	60				23M80248	20MK8817	Elec/Air	400	76
	SH8S-U6807-E1BX	3	Opp	89				23M80248	20MK8817	Elec/Air	400	76
	SH8S-U6809-E1BX	3	Opp	111				23M80248	20MK8817	Elec/Air	375	71
	SH8S-U6812-E1BX	3	Opp	147				23M80248	20MK8817	Elec/Air	325	62
	SH8S-U6813-E1BX	3	Opp	171				23M80248	20MK8817	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	60				23M80248	20MK8817	Power	300	57
	CS8S-U6806-E1BX		Opp	71				23M80248	20MK8817	Power	300	57
	CS8S-U6807-E1BX	3	Opp	89				23M80248	20MK8817	Power	300	57
	CS8S-U6809-E1BX	3	Opp	111				23M80248	20MK8817	Power	275	52
	CS8S-U6812-E1BX	3	Opp	147				23M80248	20MK8817	Power	275	52
1 FWD. 1 REV.	RL8S-U6805-L3BX	4	Opp	70		70		23M80295	20MK8817	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886 + 23M80500 + 23M80295 + 20MK8807						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	43				23M80248	20MK8817	Lever	500	95
	828S-U6808-L1CX		Opp	68				23M80248	20MK8817	Lever	450	85
	828S-U6809-L1CX		Opp	84				23M80248	20MK8817	Lever	410	78
	828S-U6810-L1CX		Opp	91				23M80248	20MK8817	Lever	410	78
	828S-U6812-L1CX		Opp	104				23M80248	20MK8817	Lever	375	71
	828S-U6813-L1CX		Opp	121				23M80248	20MK8817	Lever	375	71
	828S-U6815-L1CX		Opp	132				23M80375	20MK8817	Lever	350	67
	828S-U6819-L1CX		Opp	162				23M80500	20MK8816	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
3 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and change stud kit to 20MK8816.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

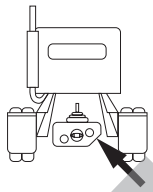
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

ASO135-9A, ASO140-9A, ASO145-9A, ASO150-9A, LASO115-9A, LASO125-9A, LASO135-9A, LASO140-9A, LASO145-9A, LASO150-9A, LPSO9-VPD, LPSO125-9A, LPSO140-9A, LPSO150-9A, PSO9-VPD, PSO125-9A, PSO140-9A (301432), PSO150-9A (301496)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Rear **PLMF:** 1.08
PLV: 1621 FPM **RPM:** 826



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 3, 6	Opp	56				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 3, 6	Opp	73				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 3, 6	Opp	95				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 3, 6	Opp	112				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 3, 6	Opp	137				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 3, 6	Opp	143				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 3, 6	Opp	176				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 3, 6	Opp	200				23M60032S	Included	Cable	210	40
	TG6S-X6815-C2BH	1, 3, 6	Opp	225				23M60032S	Included	Cable	195	37
	TG6S-X6818-C2BH	1, 3, 6	Opp	267				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	2, 4	Opp	84		84	40TU6810-2	23M60200S+23M60032S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	See Footnotes Below.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL6D-U6803 with combined reduction gear box is not available in the "2" assembly.
3 Direct mount pumps will not clear bulge on right side unless adapter is used.
4 Do not use for continuous duty applications.
5 Use 40TU6800 + 23M62000 + 20MK6631 or for clearance use 40TU6855-2. X68 input can be changed to U68 and spacer shown on application is not used.
6 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

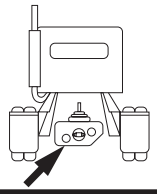
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

ASO135-9A, ASO140-9A, ASO145-9A, ASO150-9A, LASO115-9A, LASO125-9A, LASO135-9A, LASO140-9A, LASO145-9A, LASO150-9A, LPSO9-VPD, LPSO125-9A, LPSO140-9A, LPSO150-9A, PSO9-VPD, PSO125-9A, PSO140-9A (301432), PSO150-9A (301496)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Front **PLMF:** .731/1.00
PLV: 1621 FPM **RPM:** 826



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 4	Opp	56				23M80032	Included	Cable	285	54
	TG8S-X6805-C3BX	1, 4	Opp	73				23M80032	Included	Cable	270	51
	TG8S-X6806-C3BX	1, 4	Opp	95				23M80032	Included	Cable	245	47
	TG8S-X6807-C3BX	1, 4	Opp	112				23M80032	Included	Cable	230	44
	TG8S-X6808-C3BX	1, 4	Opp	137				23M80032	Included	Cable	230	44
	TG8S-X6809-C3BX	1, 4	Opp	143				23M80032	Included	Cable	205	39
	TG8S-X6812-C3BH	1, 4	Opp	176				23M80032	Included	Cable	210	40
	TG8S-X6813-C3BH	1, 4	Opp	200				23M80032	Included	Cable	210	40
	TG8S-X6815-C3BH	1, 4	Opp	225				23M80032	Included	Cable	195	37
	TG8S-X6818-C3BH	1, 4	Opp	267				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	73					Included	Elec/Air	400	76
	SH8S-U6807-E3BX	4	Opp	107					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	4	Opp	134					Included	Elec/Air	375	71
	SH8S-U6812-E3BX	4	Opp	178					Included	Elec/Air	325	62
	SH8S-U6813-E3BX	4	Opp	206					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	73					Included	Power	300	57
	CS8S-U6806-E3BX		Opp	86					Included	Power	300	57
	CS8S-U6807-E3BX	4	Opp	107					Included	Power	300	57
	CS8S-U6809-E3BX	4	Opp	134					Included	Power	275	52
	CS8S-U6812-E3BX	4	Opp	178					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	41		41		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	5	Opp	84		84		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Opp	52					Included	Lever	500	95
	828S-U6808-L3CV		Opp	82					Included	Lever	450	85
	828S-U6809-L3CX		Opp	101					Included	Lever	410	78
	828S-U6810-L3CX		Opp	109					Included	Lever	410	78
	828S-U6812-L3CX		Opp	126					Included	Lever	375	71
	828S-U6813-L3CX		Opp	146					Included	Lever	375	71
	828S-U6815-L3CX		Opp	159				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Opp	196				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see pages 6, 7, 8, & 11)
ASSEMBLY ARRANGEMENT (see pages 6, 7, 8, & 11)
OUTPUT SHAFT (see pages 6, 7, 8, & 11)
SPECIAL OPTIONS (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box.
3 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S, and RL6D respectively).
Add 23M60200S + 20MK6603 for RL Series on PTO side of adapte. Change TG to U68, spacer listed is not used with adapter.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown.
Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

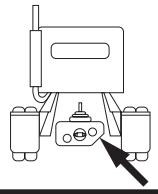
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

PS130-6B (301471), 1007-2B (301118, 301207), 1062C (301133), 1064C (301136), 1207-2B (301196), 1207-2D (301240), 1272A (301140, 301215), 1274A (301141, 301216), 1362B (301171), 1362C (301178), 1362D (301180), 1364C (301179)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
48T 6P 20°PA Spur
LOCATION: Front **PLMF:** 1.221
PLV: 1008 FPM **RPM:** 481



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6805-C1BX	1	Opp	42					Included	Cable	270	51
	TG6D-S6806-C1BX	1	Opp	54					Included	Cable	245	47
	TG6D-S6807-C1BX	1	Opp	64					Included	Cable	230	44
	TG6D-S6808-C1BX	1	Opp	78					Included	Cable	230	44
	TG6D-S6809-C1BX	1	Opp	81					Included	Cable	205	39
	TG6D-S6812-C1BH	1	Opp	99					Included	Cable	210	40
	TG6D-S6813-C1BH	1	Opp	113					Included	Cable	210	40
	TG6D-S6815-C1BH	1	Opp	128					Included	Cable	195	37
	TG6D-S6818-C1BH	1	Opp	151					Included	Cable	175	33
SH SERIES	SH6D-S6807-E1BX		Opp	61					Included	Elec/Air	400	76
	SH6D-S6809-E1BX		Opp	76					Included	Elec/Air	375	71
	SH6D-S6812-E1BX		Opp	102					Included	Elec/Air	325	62
CLUTCH SHIFT	CS6D-S6807-E1BX		Opp	61					Included	Power	300	57
	CS6D-S6809-E1BX		Opp	76					Included	Power	275	52
	CS6D-S6812-E1BX		Opp	102					Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	52		52		23M60062S	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6800 + 23M61500 + 23M60300 + 20MK6629						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series and SH Series to U68 input gear. 23M60200S + 20MK6603 required for RL on PTO side of adapter.
3 Do not use for continuous duty applications.

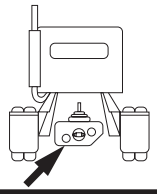
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
48T 6P 20°PA Spur
LOCATION: Front **PLMF:** 1.066
PLV: 1008 FPM **RPM:** 481



PS130-6B (301471), 1007-2B (301118, 301207), 1062C (301133), 1064C (301136), 1207-2B (301196), 1207-2D (301240), 1272A (301140, 301215), 1274A (301141, 301216), 1362B (301171), 1362C (301178), 1362D (301180), 1364C (301179)

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8M-S6805-C1BX	1, 2	Opp	42					Included	Cable	270	51
	TG8M-S6806-C1BX	1, 2	Opp	54					Included	Cable	245	47
	TG8M-S6807-C1BX	1, 2	Opp	64					Included	Cable	230	44
	TG8M-S6808-C1BX	1, 2	Opp	85					Included	Cable	230	44
	TG6S-U6809-C1BX	3, 4, 6	Crnk	89			40TU6886-1	23M80248	20MK8814	Cable	205	39
	TG6S-U6812-C1BH	3, 4, 6	Crnk	109			40TU6886-1	23M80248	20MK8814	Cable	210	40
	TG6S-U6813-C1BH	3, 4, 6	Crnk	124			40TU6886-1	23M80248	20MK8814	Cable	210	40
	TG6S-U6815-C1BH	3, 4, 6	Crnk	140			40TU6886-1	23M80248	20MK8814	Cable	195	37
	TG6S-U6818-C1BH	3, 4, 6	Crnk	165			40TU6886-1	23M80248	20MK8814	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	6	Crnk	63			40TU6886-1	23M80248	20MK8814	Elec/Air	400	76
	SH6S-U6809-E1BX	6	Crnk	79			40TU6886-1	23M80248	20MK8814	Elec/Air	375	71
	SH6S-U6812-E1BX	6	Crnk	106			40TU6886-1	23M80248	20MK8814	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6807-E1BX	6	Crnk	63			40TU6886-1	23M80248	20MK8814	Power	300	57
	CS6S-U6809-E1BX	6	Crnk	79			40TU6886-1	23M80248	20MK8814	Power	275	52
	CS6S-U6812-E1BX	6	Crnk	106			40TU6886-1	23M80248	20MK8814	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		5	40TU6886-1 + 23M80248 + 20MK8814						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
2 TG Series 8M housing #01T35032. Not part of TG Kit program
3 TG Series Input Gear: #03T34284 — Refer to kit program on pages 27-29.
4 Adapter is required to clear internal gear interference.
5 Change TG8M to TG6S-U68.
6 Optional: U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

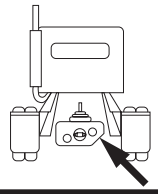
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PSO140-6A (301472), PSO140-6C (301486), PSO150-16A², 1263A (301107), 1265A (301108), 1463A (301175), 1463C (301367), TSPO155-16A²

PTO DRIVE GEAR DATA:
54T 6P 20°PA Spur
LOCATION: Front **PLMF:** .721
PLV: 1346 FPM **RPM:** 571

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C1BX	1, 4	Opp	46				23M60300+23M60032S	20MK6604	Cable	285	54
	TG6S-X6805-C1BX	1, 4	Opp	60				23M60300+23M60032S	20MK6604	Cable	270	51
	TG6S-X6806-C1BX	1, 4	Opp	79				23M60300+23M60032S	20MK6604	Cable	245	47
	TG6S-X6807-C1BX	1, 4	Opp	93				23M60300+23M60032S	20MK6604	Cable	230	44
	TG6S-X6808-C1BX	1, 4	Opp	114				23M60300+23M60032S	20MK6604	Cable	230	44
	TG6S-X6809-C1BX	1, 4	Opp	119				23M60300+23M60032S	20MK6604	Cable	205	39
	TG6S-X6812-C1BH	1, 4	Opp	146				23M60300+23M60032S	20MK6604	Cable	210	40
	TG6S-X6813-C1BH	1, 4	Opp	166				23M60300+23M60032S	20MK6604	Cable	210	40
	TG6S-X6815-C1BH	1, 4	Opp	188				23M60300+23M60032S	20MK6604	Cable	195	37
	TG6S-X6818-C1BH	1, 4	Opp	222				23M60300+23M60032S	20MK6604	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	60				23M60300	20TK4434	Elec/Air	400	76
	SH6S-U6807-E1BX	4	Opp	89				23M60300	20TK4434	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Opp	111				23M60300	20TK4434	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Opp	147				23M60300	20TK4434	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Opp	60				23M60300	20TK4434	Power	300	57
	CS6S-U6806-E1BX		Opp	71				23M60300	20TK4434	Power	300	57
	CS6S-U6807-E1BX	4	Opp	89				23M60300	20TK4434	Power	300	57
	CS6S-U6809-E1BX	4	Opp	111				23M60300	20TK4434	Power	275	52
	CS6S-U6812-E1BX	4	Opp	147				23M60300	20TK4434	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	70		70		23M60500	20MK6605	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 12)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 12)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 12)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 12)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Speeds shown in high range. For low range multiply by .84.
3 Do not use for continuous duty applications.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6606.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

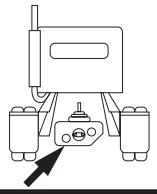
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PSO140-6A (301472), PSO140-6C (301486), PSO150-16A², 1263A (301107), 1265A (301108), 1463A (301175), 1463C (301367), TSPO155-16A²

PTO DRIVE GEAR DATA:
54T 6P 20°PA Spur
LOCATION: Front **PLMF:** .566
PLV: 1346 FPM **RPM:** 571



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	1, 4	Opp	46				23M80190	20MK8808	Cable	285	54
	TG8S-X6805-C1BX	1, 4	Opp	60				23M80190	20MK8808	Cable	270	51
	TG8S-X6806-C1BX	1, 4	Opp	79				23M80190	20MK8808	Cable	245	47
	TG8S-X6807-C1BX	1, 4	Opp	93				23M80190	20MK8808	Cable	230	44
	TG8S-X6808-C1BX	1, 4	Opp	114				23M80190	20MK8808	Cable	230	44
	TG8S-X6809-C1BX	1, 4	Opp	119				23M80190	20MK8808	Cable	205	39
	TG8S-X6812-C1BH	1, 4	Opp	146				23M80190	20MK8808	Cable	210	40
	TG8S-X6813-C1BH	1, 4	Opp	166				23M80190	20MK8808	Cable	210	40
	TG8S-X6815-C1BH	1, 4	Opp	188				23M80190	20MK8808	Cable	195	37
	TG8S-X6818-C1BH	1, 4	Opp	222				23M80190	23MK8808	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	60				23M80165	20MK8808	Elec/Air	400	76
	SH8S-U6807-E1BX	4	Opp	89				23M80165	20MK8808	Elec/Air	400	76
	SH8S-U6809-E1BX	4	Opp	111				23M80165	20MK8808	Elec/Air	375	71
	SH8S-U6812-E1BX	4	Opp	147				23M80165	20MK8808	Elec/Air	325	62
	SH8S-U6813-E1BX	4	Opp	171				23M80165	20MK8808	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	60				23M80165	20MK8808	Power	300	57
	CS8S-U6806-E1BX		Opp	71				23M80165	20MK8808	Power	300	57
	CS8S-U6807-E1BX	4	Opp	89				23M80165	20MK8808	Power	300	57
	CS8S-U6809-E1BX	4	Opp	111				23M80165	20MK8808	Power	275	52
	CS8S-U6812-E1BX	4	Opp	147				23M80165	20MK8808	Power	275	52
1 FWD. 1 REV.	RL8S-U6805-L3BX	5	Opp	70		70		23M80248	20MK8808	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80190 + 20MK8814						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	43				23M80190	20MK8817	Lever	500	95
	828S-U6808-L1CX		Opp	68				23M80190	20MK8817	Lever	450	85
	828S-U6809-L1CX		Opp	84				23M80190	20MK8817	Lever	410	78
	828S-U6810-L1CX		Opp	91				23M80190	20MK8817	Lever	410	78
	828S-U6812-L1CX		Opp	104				23M80190	20MK8817	Lever	375	71
	828S-U6813-L1CX		Opp	121				23M80190	20MK8817	Lever	375	71
	828S-U6815-L1CX		Opp	132				23M80295	20MK8817	Lever	350	67
	828S-U6819-L1CX		Opp	162				23M80190+23M80248	20MK8814	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S and RL6D respectively).
Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter. TG changed to U68 does not require spacer when used with adapter.
3 Speeds shown in high range. For low range multiply by .84.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown.
Add spacer 23M80190 and change stud kit to 20MK8817.
5 Do not use for continuous duty applications.

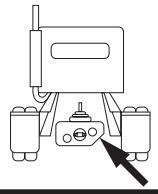
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2500 RPM.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PSO140-12B (301473), PSO140-14A (301483), PSO85-10LL, PSO85-14-4L, 1010-3A (301113), 1010-5A (301114), 1410-3A (301163), 1412-3A (301227), 1414-3A (301243, 301290), 1420-3A (301232, 301239), 1420-3B (301332)
Footnote (1)

PTO DRIVE GEAR DATA:
54T 6P 20°PA Spur
LOCATION: Front **PLMF:** .721
PLV: 1472 FPM **RPM:** 625

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C1BX	2, 4	Opp	51				23M60350	20MK6604	Cable	285	54
	TG6S-X6805-C1BX	2, 4	Opp	66				23M60350	20MK6604	Cable	270	51
	TG6S-X6806-C1BX	2, 4	Opp	86				23M60350	20MK6604	Cable	245	47
	TG6S-X6807-C1BX	2, 4	Opp	102				23M60350	20MK6604	Cable	230	44
	TG6S-X6808-C1BX	2, 4	Opp	125				23M60350	20MK6604	Cable	230	44
	TG6S-X6809-C1BX	2, 4	Opp	130				23M60350	20MK6604	Cable	205	39
	TG6S-X6812-C1BH	2, 4	Opp	160				23M60350	20MK6604	Cable	210	40
	TG6S-X6813-C1BH	2, 4	Opp	181				23M60350	20MK6604	Cable	210	40
	TG6S-X6815-C1BH	2, 4	Opp	205				23M60350	20MK6604	Cable	195	37
	TG6S-X6818-C1BH	2, 4	Opp	243				23M60350	20MK6604	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	66				23M60300	20TK4434	Elec/Air	400	76
	SH6S-U6807-E1BX	4	Opp	98				23M60300	20TK4434	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Opp	121				23M60300	20TK4434	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Opp	161				23M60300	20TK4434	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Opp	66				23M60300	20TK4434	Power	300	57
	CS6S-U6806-E1BX		Opp	78				23M60300	20TK4434	Power	300	57
	CS6S-U6807-E1BX	4	Opp	98				23M60300	20TK4434	Power	300	57
	CS6S-U6809-E1BX	4	Opp	121				23M60300	20TK4434	Power	275	52
	CS6S-U6812-E1BX	4	Opp	161				23M60300	20TK4434	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	77		77		23M60500	20MK6605	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speeds shown in high range, for low multiply by .77.
2 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
3 Do not use for continuous duty applications.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6606.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

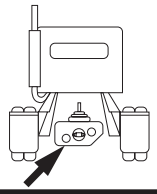
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PSO140-12B (301473), PSO140-14A (301483), PSO85-10LL, PSO85-14-4L, 1010-3A (301113), 1010-5A (301114), 1410-3A (301163), 1412-3A (301227), 1414-3A (301243, 301290), 1420-3A (301232, 301239), 1420-3B (301332)
Footnote (1)

PTO DRIVE GEAR DATA:
54T 6P 20°PA Spur
LOCATION: Front **PLMF:** .566
PLV: 1472 FPM **RPM:** 625



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	2, 4	Opp	51				23M80248	20MK8815	Cable	285	54
	TG8S-X6805-C1BX	2, 4	Opp	66				23M80248	20MK8815	Cable	270	51
	TG8S-X6806-C1BX	2, 4	Opp	86				23M80248	20MK8815	Cable	245	47
	TG8S-X6807-C1BX	2, 4	Opp	102				23M80248	20MK8815	Cable	230	44
	TG8S-X6808-C1BX	2, 4	Opp	125				23M80248	20MK8815	Cable	230	44
	TG8S-X6809-C1BX	2, 4	Opp	130				23M80248	20MK8815	Cable	205	39
	TG8S-X6812-C1BH	2, 4	Opp	160				23M80248	20MK8815	Cable	210	40
	TG8S-X6813-C1BH	2, 4	Opp	181				23M80248	20MK8815	Cable	210	40
	TG8S-X6815-C1BH	2, 4	Opp	205				23M80248	20MK8815	Cable	195	37
	TG8S-X6818-C1BH	2, 4	Opp	243				23M80248	20MK8815	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	66				23M80165	20MK8808	Elec/Air	400	76
	SH8S-U6807-E1BX	4	Opp	98				23M80165	20MK8808	Elec/Air	400	76
	SH8S-U6809-E1BX	4	Opp	121				23M80165	20MK8808	Elec/Air	375	71
	SH8S-U6812-E1BX	4	Opp	161				23M80165	20MK8808	Elec/Air	325	62
	SH8S-U6813-E1BX	4	Opp	187				23M80165	20MK8808	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	66				23M80165	20MK8808	Power	300	57
	CS8S-U6806-E1BX		Opp	78				23M80165	20MK8808	Power	300	57
	CS8S-U6807-E1BX	4	Opp	98				23M80165	20MK8808	Power	300	57
	CS8S-U6809-E1BX	4	Opp	121				23M80165	20MK8808	Power	275	52
	CS8S-U6812-E1BX	4	Opp	161				23M80165	20MK8808	Power	275	52
1 FWD. 1 REV.	RL8S-U6805-L3BX	5	Opp	77		77		23M80248	20MK8808	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80248 + 20MK8814						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	47				23M80248	20MK8817	Lever	500	95
	828S-U6808-L1CX		Opp	75				23M80248	20MK8817	Lever	450	85
	828S-U6809-L1CX		Opp	92				23M80248	20MK8817	Lever	410	78
	828S-U6810-L1CX		Opp	99				23M80248	20MK8817	Lever	410	78
	828S-U6812-L1CX		Opp	114				23M80248	20MK8817	Lever	375	71
	828S-U6813-L1CX		Opp	132				23M80248	20MK8817	Lever	375	71
	828S-U6815-L1CX		Opp	144				23M80375	20MK8817	Lever	350	67
	828S-U6819-L1CX		Opp	178				23M80500	20MK8816	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speeds shown in high range, for low multiply by .77.
2 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
3 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter. TG Series change to U68 does not require spacer between PTO and adapter.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and change stud kit to 20MK8817.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

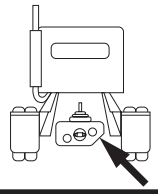
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

PSO150-16B, PSO165-16B, PSO175-16B, PSO175-16M, TSPO145-16B, TSPO155-16B, TSPO155-16 H.P., TSPO165-16 H.P., TSPO175-16M
Footnote (2)

PTO DRIVE GEAR DATA:
56T 6P 20°PA Spur
LOCATION: Front **PLMF:** .554
PLV: 1271 FPM **RPM:** 520



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C1BX	1, 4	Opp	44				23M60450+23M60032S	20MK6605	Cable	285	54
	TG6S-X6805-C1BX	1, 4	Opp	57				23M60450+23M60032S	20MK6605	Cable	270	51
	TG6S-X6806-C1BX	1, 4	Opp	74				23M60450+23M60032S	20MK6605	Cable	245	47
	TG6S-X6807-C1BX	1, 4	Opp	87				23M60450+23M60032S	20MK6605	Cable	230	44
	TG6S-X6808-C1BX	1, 4	Opp	107				23M60450+23M60032S	20MK6605	Cable	230	44
	TG6S-X6809-C1BX	1, 4	Opp	112				23M60450+23M60032S	20MK6605	Cable	205	39
	TG6S-X6812-C1BH	1, 4	Opp	138				23M60450+23M60032S	20MK6605	Cable	210	40
	TG6S-X6813-C1BH	1, 4	Opp	157				23M60450+23M60032S	20MK6605	Cable	210	40
	TG6S-X6815-C1BH	1, 4	Opp	177				23M60450+23M60032S	20MK6605	Cable	195	37
	TG6S-X6818-C1BH	1, 4	Opp	209				23M60450+23M60032S	20MK6605	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	57				23M60450	20TK4435	Elec/Air	400	76
	SH6S-U6807-E1BX	4	Opp	84				23M60450	20TK4435	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Opp	105				23M60450	20TK4435	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Opp	139				23M60450	20TK4435	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Opp	57				23M60450	20TK4435	Power	300	57
	CS6S-U6806-E1BX		Opp	67				23M60450	20TK4435	Power	300	57
	CS6S-U6807-E1BX	4	Opp	84				23M60450	20TK4435	Power	300	57
	CS6S-U6809-E1BX	4	Opp	105				23M60450	20TK4435	Power	275	52
	CS6S-U6812-E1BX	4	Opp	139				23M60450	20TK4435	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	3	Opp	32		32		23M60450+23M60200S	20MK6607	Lever	200	38
	RL6D-U6805-L3BX	3	Opp	66		66		23M60450+23M60200S	20MK6607	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Speeds shown are with transmission in High range. For Low range multiply speeds by .82.
3 Do not use for continuous duty applications.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6607.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

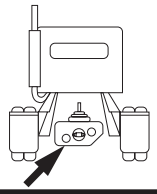
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PSO150-16B, PSO165-16B, PSO175-16B, PSO175-16M, TSPO145-16B, TSPO155-16B, TSPO155-16 H.P., TSPO165-16 H.P., TSPO175-16M
Footnote (2)

PTO DRIVE GEAR DATA:
56T 6P 20°PA Spur
LOCATION: Front **PLMF:** .399
PLV: 1271 FPM **RPM:** 520



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	1, 4	Opp	44				23M80295+23M80032	20MK8815	Cable	285	54
	TG8S-X6805-C1BX	1, 4	Opp	57				23M80295+23M80032	20MK8815	Cable	270	51
	TG8S-X6806-C1BX	1, 4	Opp	74				23M80295+23M80032	20MK8815	Cable	245	47
	TG8S-X6807-C1BX	1, 4	Opp	87				23M80295+23M80032	20MK8815	Cable	230	44
	TG8S-X6808-C1BX	1, 4	Opp	107				23M80295+23M80032	20MK8815	Cable	230	44
	TG8S-X6809-C1BX	1, 4	Opp	112				23M80295+23M80032	20MK8815	Cable	205	39
	TG8S-X6812-C1BH	1, 4	Opp	138				23M80295+23M80032	20MK8815	Cable	210	40
	TG8S-X6813-C1BH	1, 4	Opp	157				23M80295+23M80032	20MK8815	Cable	210	40
	TG8S-X6815-C1BH	1, 4	Opp	177				23M80295+23M80032	20MK8815	Cable	195	37
	TG8S-X6818-C1BH	1, 4	Opp	209				23M80295+23M80032	20MK8815	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	57				23M80295	20MK8815	Elec/Air	400	76
	SH8S-U6807-E1BX	4	Opp	84				23M80295	20MK8815	Elec/Air	400	76
	SH8S-U6809-E1BX	4	Opp	105				23M80295	20MK8815	Elec/Air	375	71
	SH8S-U6812-E1BX	4	Opp	139				23M80295	20MK8815	Elec/Air	325	62
	SH8S-U6813-E1BX	4	Opp	161				23M80295	20MK8815	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	57				23M80295	20MK8815	Power	300	57
	CS8S-U6806-E1BX		Opp	67				23M80295	20MK8815	Power	300	57
	CS8S-U6807-E1BX	4	Opp	84				23M80295	20MK8815	Power	300	57
	CS8S-U6809-E1BX	4	Opp	105				23M80295	20MK8815	Power	275	52
	CS8S-U6812-E1BX	4	Opp	139				23M80295	20MK8815	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	5	Opp	32		32		23M80295	20MK8815	Lever	200	38
	RL8S-U6805-L3BX	5	Opp	66		66		23M80295	20MK8815	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80295 + 20MK8818						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	40				23M80375	20MK8816	Lever	500	95
	828S-U6808-L1CX		Opp	64				23M80375	20MK8816	Lever	450	85
	828S-U6809-L1CX		Opp	79				23M80375	20MK8816	Lever	410	78
	828S-U6810-L1CX		Opp	86				23M80375	20MK8816	Lever	410	78
	828S-U6812-L1CX		Opp	98				23M80375	20MK8816	Lever	375	71
	828S-U6813-L1CX		Opp	114				23M80375	20MK8816	Lever	375	71
	828S-U6815-L1CX		Opp	124				23M80500	20MK8816	Lever	350	67
	828S-U6819-L1CX		Opp	153				23M80248+23M80375	20MK8818	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Speeds shown are with transmission in High range. For Low range multiply speeds by .82.
3 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter. TG Series change to U68 does not require spacer between PTO and adapter.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and change stud kit to 20MK8817.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

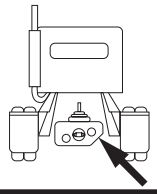
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

1214-2A (301128, 301210),
1214-4A (301129, 301211),
1414-2A (301242)

PTO DRIVE GEAR DATA:
49T 5.85P 20°PA Spur
LOCATION: Front **PLMF:** 1.033
PLV: 1054 FPM **RPM:** 481



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

PTOS ARE NO LONGER AVAILABLE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see page 7)
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

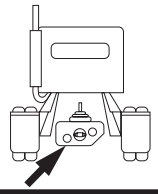
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

1214-2A (301128, 301210),
1214-4A (301129, 301211),
1414-2A (301242)

PTO DRIVE GEAR DATA:
49T 5.85P 20°PA Spur
LOCATION: Front **PLMF:** .879
PLV: 1054 FPM **RPM:** 481



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

PTOS ARE NO LONGER AVAILABLE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS)

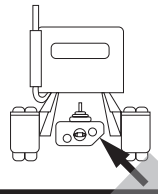
IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



ASO10-VPD, ASO100-10S, ASO125-10S, ASO140-10S, ASO150-10S, ASO165-10S, LASO125-10S, LASO140-10S, LASO150-10S, LASO10-VPD

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Rear **PLMF:** 1.080
PLV: 1669 FPM **RPM:** 850

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 4	Opp	57				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 4	Opp	77				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 4	Opp	97				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 4	Opp	115				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 4	Opp	141				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 4	Opp	147				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 4	Opp	181				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 4	Opp	206				23M60032S	Included	Cable	210	40
	TG6S-X6815-C2BH	1, 4	Opp	232				23M60032S	Included	Cable	195	37
	TG6S-X6818-C2BH	1, 4	Opp	274				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		2, 3	See Footnotes Below.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series to U68 input gear #03T34284.
3 Use 40TU6800 + 23M62000 + 20MK6631 or for clearance use 40TU6855-2. X68 input can be changed to U68 and spacer shown on application is not used.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

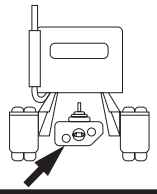
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TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Front **PLMF:** .731/1.00
PLV: 1669 FPM **RPM:** 850



ASO10-VPD, ASO100-10S, ASO125-10S, ASO140-10S, ASO150-10S, ASO165-10S, LASO125-10S, LASO140-10S, LASO150-10S, LASO10-VPD

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 4	Opp	57				23M80032	Included	Cable	285	54
	TG8S-X6805-C3BX	1, 4	Opp	77				23M80032	Included	Cable	270	51
	TG8S-X6806-C3BX	1, 4	Opp	97				23M80032	Included	Cable	245	47
	TG8S-X6807-C3BX	1, 4	Opp	115				23M80032	Included	Cable	230	44
	TG8S-X6808-C3BX	1, 4	Opp	141				23M80032	Included	Cable	230	44
	TG8S-X6809-C3BX	1, 4	Opp	147				23M80032	Included	Cable	205	39
	TG8S-X6812-C3BH	1, 4	Opp	181				23M80032	Included	Cable	210	40
	TG8S-X6813-C3BH	1, 4	Opp	206				23M80032	Included	Cable	210	40
	TG8S-X6815-C3BH	1, 4	Opp	232				23M80032	Included	Cable	195	37
	TG8S-X6818-C3BH	1, 4	Opp	274				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	75					Included	Elec/Air	400	76
	SH8S-U6807-E3BX	4	Opp	111					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	4	Opp	138					Included	Elec/Air	375	71
	SH8S-U6812-E3BX	4	Opp	183					Included	Elec/Air	325	62
	SH8S-U6813-E3BX	4	Opp	212					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	75					Included	Power	300	57
	CS8S-U6806-E3BX		Opp	89					Included	Power	300	57
	CS8S-U6807-E3BX	4	Opp	111					Included	Power	300	57
	CS8S-U6809-E3BX	4	Opp	138					Included	Power	275	52
	CS8S-U6812-E3BX	4	Opp	183					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	41		41		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	5	Opp	84		84		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Opp	55					Included	Lever	500	95
	828S-U6808-L3CX		Opp	84					Included	Lever	450	85
	828S-U6809-L3CX		Opp	104					Included	Lever	410	78
	828S-U6810-L3CX		Opp	112					Included	Lever	410	78
	828S-U6812-L3CX		Opp	129					Included	Lever	375	71
	828S-U6813-L3CX		Opp	150					Included	Lever	375	71
	828S-U6815-L3CX		Opp	163				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Opp	202				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

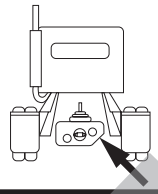
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear.
3 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing and TG to U68 input gear (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PS86-10V (301587)

PTO DRIVE GEAR DATA:
45T 6P 20° Spur
LOCATION: Rear **PLMF:** 1.080
PLV: 1188 FPM **RPM:** 605

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 4	Opp	41				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 4	Opp	53				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 4	Opp	69				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 4	Opp	82				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 4	Opp	100				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 4	Opp	104				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 4	Opp	128				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 4	Opp	145				23M60032S	Included	Cable	210	40
	TG6S-X6815-C2BH	1, 4	Opp	164				23M60032S	Included	Cable	195	37
	TG6S-X6818-C2BH	1, 4	Opp	195				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		2, 3	See Footnotes Below.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series to U68 input gear #03T34284.
3 Use 40TU6800 + 23M62000 + 20MK6631 or for clearance use 40TU6855-2. X68 input can be changed to U68 and spacer shown on application is not used.
4 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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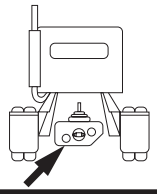
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PS86-10V (301587)

PTO DRIVE GEAR DATA:
45T 6P20° Spur
LOCATION: Front **PLMF:** .731/1.00
PLV: 1188 FPM **RPM:** 605



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 4	Opp	41				23M80032	Included	Cable	285	54
	TG8S-X6805-C3BX	1, 4	Opp	53				23M80032	Included	Cable	270	51
	TG8S-X6806-C3BX	1, 4	Opp	69				23M80032	Included	Cable	245	47
	TG8S-X6807-C3BX	1, 4	Opp	82				23M80032	Included	Cable	230	44
	TG8S-X6808-C3BX	1, 4	Opp	100				23M80032	Included	Cable	230	44
	TG8S-X6809-C3BX	1, 4	Opp	104				23M80032	Included	Cable	205	39
	TG8S-X6812-C3BH	1, 4	Opp	128				23M80032	Included	Cable	210	40
	TG8S-X6813-C3BH	1, 4	Opp	145				23M80032	Included	Cable	210	40
	TG8S-X6815-C3BH	1, 4	Opp	164				23M80032	Included	Cable	195	37
	TG8S-X6818-C3BH	1, 4	Opp	195				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	53					Included	Elec/Air	400	76
	SH8S-U6807-E3BX	4	Opp	79					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	4	Opp	98					Included	Elec/Air	375	71
	SH8S-U6812-E3BX	4	Opp	130					Included	Elec/Air	325	62
	SH8S-U6813-E3BX	4	Opp	151					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	53					Included	Power	300	57
	CS8S-U6806-E3BX		Opp	63					Included	Power	300	57
	CS8S-U6807-E3BX	4	Opp	79					Included	Power	300	57
	CS8S-U6809-E3BX	4	Opp	98					Included	Power	275	52
	CS8S-U6812-E3BX	4	Opp	130					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	30		30		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	5	Opp	62		62		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Opp	38					Included	Lever	500	95
	828S-U6808-L3CX		Opp	60					Included	Lever	450	85
	828S-U6809-L3CX		Opp	74					Included	Lever	410	78
	828S-U6810-L3CX		Opp	80					Included	Lever	410	78
	828S-U6812-L3CX		Opp	92					Included	Lever	375	71
	828S-U6813-L3CX		Opp	106					Included	Lever	375	71
	828S-U6815-L3CX		Opp	116				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Opp	143				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

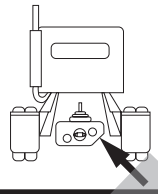
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear.
3 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing and TG to U68 input gear (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PSO115-10V (301588), PSO125-10V (301589), PSO145-10V (301582)

PTO DRIVE GEAR DATA:
45T 6P 20° Spur
LOCATION: Rear **PLMF:** 1.080
PLV: 1669 FPM **RPM:** 850

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 4	Opp	57				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 4	Opp	77				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 4	Opp	97				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 4	Opp	115				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 4	Opp	141				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 4	Opp	147				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 4	Opp	180				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 4	Opp	204				23M60032S	Included	Cable	210	40
	TG6D-S6815-C2BH	4, 5	Opp	212				23M60270	20MK6605	Cable	195	37
	TG6D-S6818-C2BH	4, 5	Opp	252				23M60270	20MK6605	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		2, 3	See Footnotes Below.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series to U68 input gear #03T34284.
3 Use 40TU6800 + 23M62000 + 20MK6631 or for clearance use 40TU6855-2. X68 input can be changed to U68 and spacer shown on application is not used.
4 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

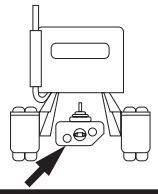
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PSO115-10V (301588), PSO125-10V (301589), PSO145-10V (301582)

PTO DRIVE GEAR DATA:
45T 6P 20° Spur
LOCATION: Front **PLMF:** .731/1.0
PLV: 1669 FPM **RPM:** 850



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 4	Opp	57				23M80032	Included	Cable	285	54
	TG8S-X6805-C3BX	1, 4	Opp	77				23M80032	Included	Cable	270	51
	TG8S-X6806-C3BX	1, 4	Opp	97				23M80032	Included	Cable	245	47
	TG8S-X6807-C3BX	1, 4	Opp	115				23M80032	Included	Cable	230	44
	TG8S-X6808-C3BX	1, 4	Opp	141				23M80032	Included	Cable	230	44
	TG8S-X6809-C3BX	1, 4	Opp	147				23M80032	Included	Cable	205	39
	TG8S-X6812-C3BH	1, 4	Opp	180				23M80032	Included	Cable	210	40
	TG8S-X6813-C3BH	1, 4	Opp	204				23M80032	Included	Cable	210	40
	TG8S-X6815-C3BH	1, 4	Opp	212				23M80032	Included	Cable	195	37
	TG8S-X6818-C3BH	1, 4	Opp	252				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	75					Included	Elec/Air	400	76
	SH8S-U6807-E3BX	4	Opp	111					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	4	Opp	138					Included	Elec/Air	375	71
	SH8S-U6812-E3BX	4	Opp	183					Included	Elec/Air	325	62
	SH8S-U6813-E3BX	4	Opp	212					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	75					Included	Power	300	57
	CS8S-U6806-E3BX		Opp	89					Included	Power	300	57
	CS8S-U6807-E3BX	4	Opp	111					Included	Power	300	57
	CS8S-U6809-E3BX	4	Opp	138					Included	Power	275	52
	CS8S-U6812-E3BX	4	Opp	183					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	41		41		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX		Opp	84		84		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Opp	55					Included	Lever	500	95
	828S-U6808-L3CX		Opp	84					Included	Lever	450	85
	828S-U6809-L3CX		Opp	104					Included	Lever	410	78
	828S-U6810-L3CX		Opp	112					Included	Lever	410	78
	828S-U6812-L3CX		Opp	129					Included	Lever	375	71
	828S-U6813-L3CX		Opp	150					Included	Lever	375	71
	828S-U6815-L3CX		Opp	163				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Opp	202				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

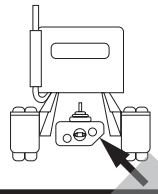
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear.
3 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing and TG to U68 input gear (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING



7041 (Auxiliary)
Footnote (1)

PTO DRIVE GEAR DATA:
31T 6P 17.5°PA 26.01 L.H.
LOCATION: Front **PLMF:** 1.085
PLV: 1603 FPM **RPM:** 1065

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6204-C1BX	2	Crnk	57					Included	Cable	285	54
	TG6S-S6205-C1BX	2	Crnk	74					Included	Cable	270	51
	TG6S-S6206-C1BX	2	Crnk	96					Included	Cable	245	47
	TG6S-S6207-C1BX	2	Crnk	113					Included	Cable	230	44
	TG6S-S6208-C1BX	2	Crnk	139					Included	Cable	230	44
	TG6S-S6209-C1BX	2	Crnk	145					Included	Cable	205	39
	TG6S-S6212-C1BH	2	Crnk	178					Included	Cable	210	40
	TG6S-S6213-C1BH	2	Crnk	202					Included	Cable	210	40
	TG6S-S6215-C1BH	2	Crnk	228					Included	Cable	195	37
	TG6S-S6218-C1BH	2	Crnk	270					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 Speed shown with main transmission in direct drive.
2 TG Series Input Gear: #03T36421 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

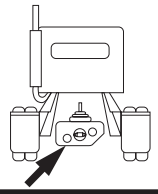
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



MUNCIE

7041

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

PTO APPLICATIONS NOT POSSIBLE DUE TO NON-STANDARD MOUNTING DEPTH

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

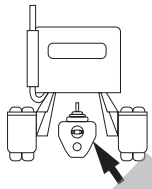
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING

ES54-5A

PTO DRIVE GEAR DATA:
33T 7.0P 25°PA 30.78 R.H.
LOCATION: Front **PLMF:** 1.031
PLV: 661 FPM **RPM:** 460



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7007-C1BX	1	Opp	46				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C1BX	1	Opp	56				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C1BX	1	Opp	58				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C1BH	1	Opp	71				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C1BH	1	Opp	81				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C1BH	1	Opp	92				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C1BH	1	Opp	109				23M60093S	20MK6602	Cable	175	33
SH SERIES	SH6S-C7009-E1BX		Opp	57				23M60093S	20TK4433	Elec/Air	375	71
	SH6S-C7012-E1BX		Opp	75				23M60093S	20TK4433	Elec/Air	325	62
CLUTCH SHIFT	CS6S-C7009-E1BX		Opp	57				23M60093S	20TK4433	Power	275	52
	CS6S-C7012-E1BX		Opp	75				23M60093S	20TK4433	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1: **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B: **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X: **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

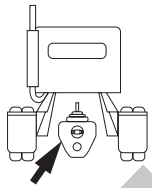
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES54-5A

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
33T 7.0P 25°PA 30.78° R.H.
LOCATION: Front **PLMF:** 1.031
PLV: 661 FPM **RPM:** 460



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7007-C3BX	1	Opp	46				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C3BX	1	Opp	56				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C3BX	1	Opp	58				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C3BH	1	Opp	71				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C3BH	1	Opp	81				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C3BH	1	Opp	92				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C3BH	1	Opp	109				23M60093S	20MK6602	Cable	175	33
SH SERIES	SH6S-C7009-E3BX		Opp	57				23M60093S	20TK4433	Elec/Air	275	52
	SH6S-C7012-E3BX		Opp	75				23M60093S	20TK4433	Elec/Air	275	52
CLUTCH SHIFT	CS6S-C7009-E3BX		Opp	57				23M60093S	20TK4433	Power	275	52
	CS6S-C7012-E3BX		Opp	75				23M60093S	20TK4433	Power	275	52
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

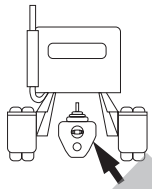
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING

ES54-5B

PTO DRIVE GEAR DATA:
32T 6.10P 25°PA 30.4 R.H.
LOCATION: Front **PLMF:** .734
PLV: 774 FPM **RPM:** 486



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-T6106-C1BX	1	Opp	45				23M60350	20MK6605	Cable	245	47
	TG6S-T6107-C1BX	1	Opp	53				23M60350	20MK6605	Cable	230	44
	TG6S-T6108-C1BX	1	Opp	65				23M60350	20MK6605	Cable	230	44
	TG6S-T6109-C1BX	1	Opp	68				23M60350	20MK6605	Cable	205	39
	TG6S-T6112-C1BH	1	Opp	84				23M60350	20MK6605	Cable	210	40
	TG6S-T6113-C1BH	1	Opp	95				23M60350	20MK6605	Cable	210	40
	TG6S-T6115-C1BH	1	Opp	107				23M60350	20MK6605	Cable	195	37
	TG6S-T6118-C1BH	1	Opp	127				23M60350	20MK6605	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T36552 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

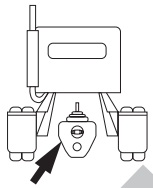
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES54-5B

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
32T 6.10P 25°PA 30.4 R.H.
LOCATION: Front **PLMF:** .734
PLV: 774 FPM **RPM:** 486



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-T6106-C3BX	1	Opp	45				23M60350	20MK6605	Cable	245	47
	TG6S-T6107-C3BX	1	Opp	53				23M60350	20MK6605	Cable	230	44
	TG6S-T6108-C3BX	1	Opp	65				23M60350	20MK6605	Cable	230	44
	TG6S-T6109-C3BX	1	Opp	68				23M60350	20MK6605	Cable	205	39
	TG6S-T6112-C3BH	1	Opp	84				23M60350	20MK6605	Cable	210	40
	TG6S-T6113-C3BH	1	Opp	95				23M60350	20MK6605	Cable	210	40
	TG6S-T6115-C3BH	1	Opp	107				23M60350	20MK6605	Cable	195	37
	TG6S-T6118-C3BH	1	Opp	127				23M60350	20MK6605	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T36552 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

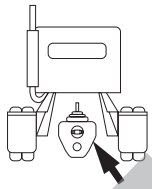
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT OPENING TURN PAGE)

SAE 6-BOLT OPENING

ES54-5C

PTO DRIVE GEAR DATA:
33T 7.00P 25°PA 30.78 R.H.
LOCATION: Front **PLMF:** 1.031
PLV: 780 FPM **RPM:** 543



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7004-C1BX	1	Opp	27				23M60093S	20MK6602	Cable	285	54
	TG6S-C7005-C1BX	1	Opp	35				23M60093S	20MK6602	Cable	270	51
	TG6S-C7006-C1BX	1	Opp	46				23M60093S	20MK6602	Cable	245	47
	TG6S-C7007-C1BX	1	Opp	54				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C1BX	1	Opp	66				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C1BX	1	Opp	69				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C1BH	1	Opp	84				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C1BH	1	Opp	96				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C1BH	1	Opp	108				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C1BH	1	Opp	128				23M60093S	20MK6602	Cable	175	33
SH SERIES	SH6S-C7009-E1BX		Opp	67				23M60093S	20TK4433	Elec/Air	375	71
	SH6S-C7012-E1BX		Opp	89				23M60093S	20TK4433	Elec/Air	325	62
CLUTCH SHIFT	CS6S-C7009-E1BX		Opp	67				23M60093S	20TK4433	Power	275	52
	CS6S-C7012-E1BX		Opp	89				23M60093S	20TK4433	Power	275	52
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

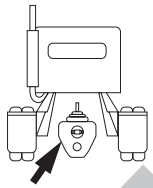
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ES54-5C

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
33T 7.00P 25°PA 30.78 R.H.
LOCATION: Front **PLMF:** 1.031
PLV: 780 FPM **RPM:** 543



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-C7004-C3BX	1	Opp	27				23M60093S	20MK6602	Cable	285	54
	TG6S-C7005-C3BX	1	Opp	35				23M60093S	20MK6602	Cable	270	51
	TG6S-C7006-C3BX	1	Opp	46				23M60093S	20MK6602	Cable	245	47
	TG6S-C7007-C3BX	1	Opp	54				23M60093S	20MK6602	Cable	230	44
	TG6S-C7008-C3BX	1	Opp	66				23M60093S	20MK6602	Cable	230	44
	TG6S-C7009-C3BX	1	Opp	69				23M60093S	20MK6602	Cable	205	39
	TG6S-C7012-C3BH	1	Opp	84				23M60093S	20MK6602	Cable	210	40
	TG6S-C7013-C3BH	1	Opp	96				23M60093S	20MK6602	Cable	210	40
	TG6S-C7015-C3BH	1	Opp	108				23M60093S	20MK6602	Cable	195	37
	TG6S-C7018-C3BH	1	Opp	128				23M60093S	20MK6602	Cable	175	33
SH SERIES	SH6S-C7009-E3BX		Opp	67				23M60093S	20TK4433	Elec/Air	375	71
	SH6S-C7012-E3BX		Opp	89				23M60093S	20TK4433	Elec/Air	325	62
CLUTCH SHIFT	CS6S-C7009-E3BX		Opp	67				23M60093S	20TK4433	Power	275	52
	CS6S-C7012-E3BX		Opp	89				23M60093S	20TK4433	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34453 — Refer to kit program on pages 27-29.

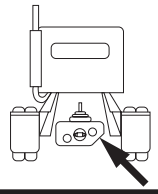
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PSO165-18A (301666), PSO165-18B, PSO175-18A (301585), PSO175-18B, PSO175-18M
Footnote (2)

PTO DRIVE GEAR DATA:
57T 6P 20°PA Spur
LOCATION: Front **PLMF:** .470
PLV: 1244 FPM **RPM:** 500

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C1BX	1, 5	Opp	43				23M60550+23M60032S	20MK6605	Cable	285	54
	TG6S-X6805-C1BX	1, 5	Opp	56				23M60550+23M60032S	20MK6605	Cable	270	51
	TG6S-X6806-C1BX	1, 5	Opp	72				23M60550+23M60032S	20MK6605	Cable	245	47
	TG6S-X6807-C1BX	1, 5	Opp	86				23M60550+23M60032S	20MK6605	Cable	230	44
	TG6S-X6808-C1BX	1, 5	Opp	105				23M60550+23M60032S	20MK6605	Cable	230	44
	TG6S-X6809-C1BX	1, 5	Opp	109				23M60550+23M60032S	20MK6605	Cable	205	39
	TG6S-X6812-C1BH	1, 5	Opp	134				23M60550+23M60032S	20MK6605	Cable	210	40
	TG6S-X6813-C1BH	1, 5	Opp	153				23M60550+23M60032S	20MK6605	Cable	210	40
	TG6S-X6815-C1BH	1, 5	Opp	172				23M60550+23M60032S	20MK6605	Cable	195	37
	TG6S-X6818-C1BH	1, 5	Opp	204				23M60550+23M60032S	20MK6605	Cable	175	33
SH SERIES	SH6S-U6005-E1BX		Opp	56				23M60550	20TK4435	Elec/Air	400	76
	SH6S-U6807-E1BX	5	Opp	82				23M60550	20TK4435	Elec/Air	400	76
	SH6S-U6809-E1BX	5	Opp	102				23M60550	20TK4435	Elec/Air	375	71
	SH6S-U6812-E1BX	5	Opp	136				23M60550	20TK4435	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6005-E1BX		Opp	56				23M60550	20TK4435	Power	300	57
	CS6S-U6806-E1BX		Opp	66				23M60550	20TK4435	Power	300	57
	CS6S-U6807-E1BX	5	Opp	82				23M60550	20TK4435	Power	300	57
	CS6S-U6809-E1BX	5	Opp	102				23M60550	20TK4435	Power	275	52
	CS6S-U6812-E1BX	5	Opp	136				23M60550	20TK4435	Power	275	52
1 FWD. 1 REV.	RL6D-U6803-L3BX	3, 4	Opp	32		32		23M60550+23M60200S	20MK6608	Lever	200	38
	RL6D-U6805-L3BX	3	Opp	65		65		23M60550+23M60200S	20MK6608	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Speed shown in high range. For low range multiply speeds shown by .84.
3 Not for continuous duty applications.
4 RL Series with combined reduction gear box. (“03” Ratio).
5 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6607.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

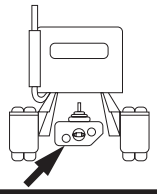
BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

PSO165-18A (301666), PSO165-18B, PSO175-18A (301585), PSO175-18B, PSO175-18M

Footnote (2)

PTO DRIVE GEAR DATA:
57T 6P 20°PA Spur
LOCATION: Front **PLMF:** .316
PLV: 1244 FPM **RPM:** 500



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	1, 6	Opp	43				23M80375+23M80032	20MK8815	Cable	285	54
	TG8S-X6805-C1BX	1, 6	Opp	56				23M80375+23M80032	20MK8815	Cable	270	51
	TG8S-X6806-C1BX	1, 6	Opp	72				23M80375+23M80032	20MK8815	Cable	245	47
	TG8S-X6807-C1BX	1, 6	Opp	86				23M80375+23M80032	20MK8815	Cable	230	44
	TG8S-X6808-C1BX	1, 6	Opp	105				23M80375+23M80032	20MK8815	Cable	230	44
	TG8S-X6809-C1BH	1, 6	Opp	109				23M80375+23M80032	20MK8815	Cable	205	39
	TG8S-X6812-C1BH	1, 6	Opp	134				23M80375+23M80032	20MK8815	Cable	210	40
	TG8S-X6813-C1BH	1, 6	Opp	153				23M80375+23M80032	20MK8815	Cable	210	40
	TG8S-X6815-C1BH	1, 6	Opp	172				23M80375+23M80032	20MK8815	Cable	195	37
	TG8S-X6818-C1BH	1, 6	Opp	204				23M80375+23M80032	20MK8815	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	56				23M80375	20MK8815	Elec/Air	400	76
	SH8S-U6807-E1BX	6	Opp	82				23M80375	20MK8815	Elec/Air	400	76
	SH8S-U6809-E1BX	6	Opp	102				23M80375	20MK8815	Elec/Air	375	71
	SH8S-U6812-E1BX	6	Opp	136				23M80375	20MK8815	Elec/Air	325	62
	SH8S-U6813-E1BX		Opp	158				23M80375	20MK8815	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	56				23M80375	20MK8815	Power	300	57
	CS8S-U6806-E1BX		Opp	66				23M80375	20MK8815	Power	300	57
	CS8S-U6807-E1BX	6	Opp	82				23M80375	20MK8815	Power	300	57
	CS8S-U6809-E1BX	6	Opp	102				23M80375	20MK8815	Power	275	52
	CS8S-U6812-E1BX	6	Opp	136				23M80375	20MK8815	Power	275	52
	CS8S-U6814-E1BX		Opp	170				23M80375	20MK8815	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	4, 5	Opp	32		32		23M80375	20MK8815	Lever	200	38
	RL8S-U6805-L3BX	4	Opp	65		65		23M80375	20MK8815	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	39				23M80500	20MK8807	Lever	500	95
	828S-U6808-L1CX		Opp	63				23M80500	20MK8807	Lever	450	85
	828S-U6809-L1CX		Opp	77				23M80500	20MK8807	Lever	410	78
	828S-U6810-L1CX		Opp	84				23M80500	20MK8807	Lever	410	78
	828S-U6812-L1CX		Opp	96				23M80500	20MK8807	Lever	375	71
	828S-U6813-L1CX		Opp	111				23M80500	20MK8807	Lever	375	71
	828S-U6815-L1CX		Opp	122				23M80295+23M80295	20MK8807	Lever	350	67
	828S-U6819-L1CX		Opp	150				23M80248+23M80500	20MK8812	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Speed shown in high range. For low range multiply speeds shown by .84.
3 Change TG Series, SH Series, and RL Series to 6-Bolt housing and TG to U68 input gear. 23M60200 + 20MK6603 required for RL on PTO side of adapter.
4 Not for continuous duty applications.
5 RL Series with combined reduction gear box. ("03" Ratio).
6 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and change stud kit to 20MK8807.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

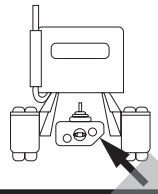
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

AS100-10D, AS125-10D, AS135-10D, AS145-10D, LAS100-10D, LAS125-10D, LAS135-10D, LAS145-10D, LLAS100-10D, LLAS125-10D, LLAS135-10D, LLAS145-10D, LLPS100-10D, LLPS125-10D, LLPS135-10D, LLPS145-10D, LPS100-10D, LPS125-10D, LPS135-10D, LPS145-10D, PS100-10D, PS125-10D, PS135-10D, PS145-10D

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20.5°PA Spur
LOCATION: Rear **PLMF:** 1.085
PLV: 1310 FPM **RPM:** 667



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 3, 4	Opp	45				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 3, 4	Opp	59				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 3, 4	Opp	76				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 3, 4	Opp	90				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 3, 4	Opp	111				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 3, 4	Opp	115				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 3, 4	Opp	141				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 3, 4	Opp	161				23M60032S	Included	Cable	210	40
	TG6S-X6815-C2BH	1, 3, 4	Opp	181				23M60032S	Included	Cable	195	37
	TG6S-X6818-C2BH	1, 3, 4	Opp	215				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		2	See Footnotes Below.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Use 40TU6800 + 23M62000 + 20MK6631 or for clearance use 40TU6855-2. X68 input can be changed to U68 and spacer shown on application is not used.
3 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
4 Direct mount pump interferes unless adapter is used.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

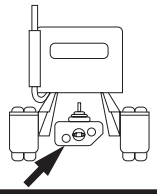
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

AS100-10D, AS125-10D, AS135-10D, AS145-10D, LAS100-10D, LAS125-10D, LAS135-10D, LAS145-10D, LLAS100-10D, LLAS125-10D, LLAS135-10D, LLAS145-10D, LLPS100-10D, LLPS125-10D, LLPS135-10D, LLPS145-10D, LPS100-10D, LPS125-10D, LPS135-10D, LPS145-10D, PS100-10D, PS125-10D, PS135-10D, PS145-10D

SAE 8-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Front **PLMF:** .731/1.0
PLV: 1310 FPM **RPM:** 667



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	1, 5	Opp	45				23M80032	Included	Cable	285	54
	TG8S-X6805-C1BX	1, 5	Opp	59				23M80032	Included	Cable	270	51
	TG8S-X6806-C1BX	1, 5	Opp	76				23M80032	Included	Cable	245	47
	TG8S-X6807-C1BX	1, 5	Opp	90				23M80032	Included	Cable	230	44
	TG8S-X6808-C1BX	1, 5	Opp	111				23M80032	Included	Cable	230	44
	TG8S-X6809-C1BX	1, 5	Opp	115				23M80032	Included	Cable	205	39
	TG8S-X6812-C1BH	1, 5	Opp	141				23M80032	Included	Cable	210	40
	TG8S-X6813-C1BH	1, 5	Opp	161				23M80032	Included	Cable	210	40
	TG8S-X6815-C1BH	1, 5	Opp	181				23M80032	Included	Cable	195	37
	TG8S-X6818-C1BH	1, 5	Opp	215				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	59					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	5	Opp	87					Included	Elec/Air	400	76
	SH8S-U6809-E1BX	5	Opp	108					Included	Elec/Air	375	71
	SH8S-U6812-E1BX	5	Opp	143					Included	Elec/Air	325	62
	SH8S-U6813-E1BX		Opp	166					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	59					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	70					Included	Power	300	57
	CS8S-U6807-E1BX	5	Opp	87					Included	Power	300	57
	CS8S-U6809-E1BX	5	Opp	108					Included	Power	275	52
	CS8S-U6812-E1BX	5	Opp	143					Included	Power	275	52
	CS8S-U6814-E1BX		Opp	179					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	3, 4	Opp	33		33		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	3	Opp	68		68		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	41					Included	Lever	500	95
	828S-U6808-L1CX		Opp	66					Included	Lever	450	85
	828S-U6809-L1CX		Opp	82					Included	Lever	410	78
	828S-U6810-L1CX		Opp	88					Included	Lever	410	78
	828S-U6812-L1CX		Opp	101					Included	Lever	375	71
	828S-U6813-L1CX		Opp	117					Included	Lever	375	71
	828S-U6815-L1CX		Opp	128				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L1CX		Opp	158				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

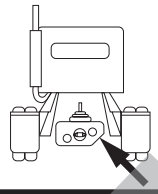
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG, CS, SH and RL Series to 6-Bolt housing and TG to U68 input gear. 23M60200 + 20MK6603 required for RG and RL on PTO side of adapter.
3 Not for continuous duty applications.
4 RL Series with combined reduction gear box. ("03" Ratio).
5 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20M8808.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



ASO125-10D, ASO135-10D, PSO125-10D, PSO135-10D, PSO145-10D, PSO155-10D, PSO165-10D

PTO DRIVE GEAR DATA:
45T 6P 20.5°PA Spur
LOCATION: Rear **PLMF:** 1.085
PLV: 1738 FPM **RPM:** 885

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 4, 5	Opp	60				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 4, 5	Opp	78				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 4, 5	Opp	101				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 4, 5	Opp	119				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 4, 5	Opp	147				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 4, 5	Opp	153				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 4, 5	Opp	188				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 4, 5	Opp	213				23M60032S	Included	Cable	210	40
	TG6S-X6815-C2BH	1, 4, 5	Opp	241				23M60032S	Included	Cable	195	37
	TG6S-X6818-C2BH	1, 4, 5	Opp	285				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		2, 3	See Footnotes Below.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see page 6)
- 1 - **ASSEMBLY ARRANGEMENT** (see page 6)
- B - **OUTPUT SHAFT** (see page 6)
- X - **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series to TG6S-U68 input gear. 23M60200S + 20MK6603 required for RL on PTO side of adapter. TG Series change to U68 does not require spacer between PTO and adapter.
3 Use 40TU6800 + 23M62000 + 20MK6631 or for clearance use 40TU6855-2. X68 input can be changed to U68 and spacer shown on application is not used.
4 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
5 Direct mount pump interferes unless adapter is used.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

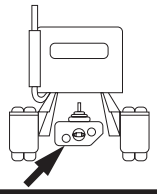
TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

ASO125-10D, ASO135-10D, PSO125-10D, PSO135-10D, PSO145-10D, PSO155-10D, PSO165-10D

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Front **PLMF:** .731/1.0
PLV: 1738 FPM **RPM:** 885



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	1, 5	Opp	60				23M80032	Included	Cable	285	54
	TG8S-X6805-C1BX	1, 5	Opp	78				23M80032	Included	Cable	270	51
	TG8S-X6806-C1BX	1, 5	Opp	101				23M80032	Included	Cable	245	47
	TG8S-X6807-C1BX	1, 5	Opp	119				23M80032	Included	Cable	230	44
	TG8S-X6808-C1BX	1, 5	Opp	147				23M80032	Included	Cable	230	44
	TG8S-X6809-C1BX	1, 5	Opp	153				23M80032	Included	Cable	205	39
	TG8S-X6812-C1BH	1, 5	Opp	188				23M80032	Included	Cable	210	40
	TG8S-X6813-C1BH	1, 5	Opp	213				23M80032	Included	Cable	210	40
	TG8S-X6815-C1BH	1, 5	Opp	241				23M80032	Included	Cable	195	37
	TG8S-X6818-C1BH	1, 5	Opp	285				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	78					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	5	Opp	115					Included	Elec/Air	400	76
	SH8S-U6809-E1BX	5	Opp	143					Included	Elec/Air	375	71
	SH8S-U6812-E1BX	5	Opp	190					Included	Elec/Air	325	62
	SH8S-U6813-E1BX		Opp	221					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	78					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	92					Included	Power	300	57
	CS8S-U6807-E1BX	5	Opp	115					Included	Power	300	57
	CS8S-U6809-E1BX	5	Opp	143					Included	Power	275	52
	CS8S-U6812-E1BX	5	Opp	190					Included	Power	275	52
	CS8S-U6814-E1BX		Opp	238					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	3, 4	Opp	44		44		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	4	Opp	91		91		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	55					Included	Lever	500	95
	828S-U6808-L1CX		Opp	88					Included	Lever	450	85
	828S-U6809-L1CX		Opp	108					Included	Lever	410	78
	828S-U6810-L1CX		Opp	117					Included	Lever	410	78
	828S-U6812-L1CX		Opp	135					Included	Lever	375	71
	828S-U6813-L1CX		Opp	156					Included	Lever	375	71
	828S-U6815-L1CX		Opp	170				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L1CX		Opp	202				23M80248	20MK8814	Lever	300	57
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

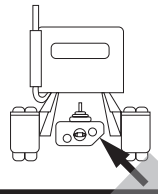
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series, CS Series, SH Series and RL Series to 6-bolt PTO housing and TG to U68 input gear (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
3 RL Series with combined reduction gear box. ("03" Ratio).
4 Not for continuous duty applications.
5 optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PSO175-16SM, TSPO180-16SM

PTO DRIVE GEAR DATA:
84T 8.99P 20°PA Spur
LOCATION: Front **PLMF:** .554
PLV: 1269 FPM **RPM:** 520

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S8904-C1BX	1	Opp	44				23M60500	20MK6607	Cable	285	54
	TG6S-S8905-C1BX	1	Opp	57				23M60500	20MK6607	Cable	270	51
	TG6S-S8906-C1BX	1	Opp	74				23M60500	20MK6607	Cable	245	47
	TG6S-S8907-C1BX	1	Opp	87				23M60500	20MK6607	Cable	230	44
	TG6S-S8908-C1BX	1	Opp	107				23M60500	20MK6607	Cable	230	44
	TG6S-S8909-C1BX	1	Opp	112				23M60500	20MK6607	Cable	205	39
	TG6S-S8912-C1BH	1	Opp	137				23M60500	20MK6607	Cable	210	40
	TG6S-S8913-C1BH	1	Opp	156				23M60500	20MK6607	Cable	210	40
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T37015 — Refer to kit program on pages 27-29.

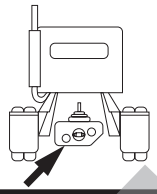
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



PSO175-16SM, TSPO180-16SM

PTO DRIVE GEAR DATA:
84T 8.99P 20°PA Spur
LOCATION: Front **PLMF:** .399
PLV: 1269 FPM **RPM:** 520

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S8904-C1BX	1	Opp	44				23M80248+23M80165	20MK8815	Cable	285	54
	TG8S-S8905-C1BX	1	Opp	57				23M80248+23M80165	20MK8815	Cable	270	51
	TG8S-S8906-C1BX	1	Opp	74				23M80248+23M80165	20MK8815	Cable	245	47
	TG8S-S8907-C1BX	1	Opp	87				23M80248+23M80165	20MK8815	Cable	230	44
	TG8S-S8908-C1BX	1	Opp	107				23M80248+23M80165	20MK8815	Cable	230	44
	TG8S-S8909-C1BX	1	Opp	112				23M80248+23M80165	20MK8815	Cable	205	39
	TG8S-S8912-C1BH	1	Opp	137				23M80248+23M80165	20MK8815	Cable	210	40
	TG8S-S8913-C1BH	1	Opp	156				23M80248+23M80165	20MK8815	Cable	210	40
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T37015 — Refer to kit program on pages 27-29.

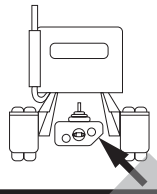
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PSO175-18SM, TSPO180-18SM

PTO DRIVE GEAR DATA:
76T 8.09P 20°PA Spur
LOCATION: Front **PLMF:** .529
PLV: 1228 FPM **RPM:** 500

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S8004-C1BX	1	Opp	43				23M60500	20MK6607	Cable	285	54
	TG6S-S8005-C1BX	1	Opp	56				23M60500	20MK6607	Cable	270	51
	TG6S-S8006-C1BX	1	Opp	72				23M60500	20MK6607	Cable	245	47
	TG6S-S8007-C1BX	1	Opp	86				23M60500	20MK6607	Cable	230	44
	TG6S-S8008-C1BX	1	Opp	105				23M60500	20MK6607	Cable	230	44
	TG6S-S8009-C1BX	1	Opp	109				23M60500	20MK6607	Cable	205	39
	TG6S-S8012-C1BH	1	Opp	134				23M60500	20MK6607	Cable	210	40
	TG6S-S8013-C1BH	1	Opp	153				23M60500	20MK6607	Cable	210	40
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T37016 — Refer to kit program on pages 27-29.

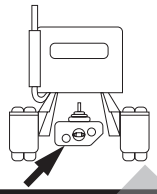
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



PSO175-18SM, TSPO180-18SM

PTO DRIVE GEAR DATA:
76T 8.09P 20°PA Spur
LOCATION: Front **PLMF:** .374
PLV: 1228 FPM **RPM:** 500

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S8004-C1BX	1	Opp	43				23M80248+23M80165	20MK8815	Cable	285	54
	TG8S-S8005-C1BX	1	Opp	56				23M80248+23M80165	20MK8815	Cable	270	51
	TG8S-S8006-C1BX	1	Opp	72				23M80248+23M80165	20MK8815	Cable	245	47
	TG8S-S8007-C1BX	1	Opp	86				23M80248+23M80165	20MK8815	Cable	230	44
	TG8S-S8008-C1BX	1	Opp	105				23M80248+23M80165	20MK8815	Cable	230	44
	TG8S-S8009-C1BX	1	Opp	109				23M80248+23M80165	20MK8815	Cable	205	39
	TG8S-S8012-C1BH	1	Opp	134				23M80248+23M80165	20MK8815	Cable	210	40
	TG8S-S8013-C1BH	1	Opp	153				23M80248+23M80165	20MK8815	Cable	210	40
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T37016 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

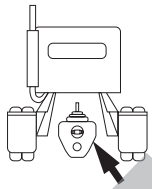
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

ES46-5A, ES56-5A

PTO DRIVE GEAR DATA:
32T 6.1P 20° PA 23.1532° R.H.
LOCATION: Front **PLMF:** 1.102
PLV: 764 FPM **RPM:** 489



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6306-C1BX	1, 2	Opp	43					Included	Cable	245	47
	TG6S-S6307-C1BX	1, 2	Opp	51					Included	Cable	230	44
	TG6S-S6308-C1BX	1, 2	Opp	63					Included	Cable	230	44
	TG6S-S6309-C1BX	1, 2	Opp	65					Included	Cable	205	39
	TG6S-S6312-C1BH	1, 2	Opp	80					Included	Cable	210	40
	TG6S-S6313-C1BH	1, 2	Opp	95					Included	Cable	210	40
	TG6S-S6315-C1BH	1, 2	Opp	103					Included	Cable	195	37
	TG6S-S6318-C1BH	1, 2	Opp	122					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T38184 — Refer to kit program on pages 27-29.
2 Direct mount pump interferes with transmission case. Use of a “1” assembly PTO with PK Series and “A” pilot will fit.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

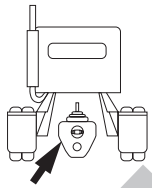
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TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
32T 6.1P 20° PA 23.1532° R.H.
LOCATION: Front **PLMF:** 1.102
PLV: 764 FPM **RPM:** 489



MUNCIE

ES46-5A, ES56-5A

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6306-C3BX	1, 2	Opp	43					Included	Cable	245	47
	TG6S-S6307-C3BX	1, 2	Opp	51					Included	Cable	230	44
	TG6S-S6308-C3BX	1, 2	Opp	63					Included	Cable	230	44
	TG6S-S6309-C3BX	1, 2	Opp	65					Included	Cable	205	39
	TG6S-S6312-C3BH	1, 2	Opp	80					Included	Cable	210	40
	TG6S-S6313-C3BH	1, 2	Opp	95					Included	Cable	210	40
	TG6S-S6315-C3BH	1, 2	Opp	103					Included	Cable	195	37
	TG6S-S6318-C3BH	1, 2	Opp	122					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		Adapter No Longer Available.	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T38184 — Refer to kit program on pages 27-29.
2 Direct mount pump interferes with transmission case. Use of a "1" assembly PTO with PK Series and "A" pilot will fit or use adapter for pump clearance, note rotation change when using adapter.

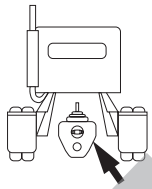
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



AS56-7B, ES56-7B (301739)

PTO DRIVE GEAR DATA:
34T 7.00P 22.5°PA 19° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 652 FPM **RPM:** 488

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7307-C1BX	1, 2, 3, 4	Opp	43					Included	Cable	230	44
	TG6N-S7308-C1BX	1, 2, 3, 4	Opp	52					Included	Cable	230	44
	TG6N-S7309-C1BX	1, 2, 3, 4	Opp	55					Included	Cable	205	39
	TG6N-S7312-C1BH	1, 2, 3, 4	Opp	67					Included	Cable	210	40
	TG6N-S7313-C1BH	1, 2, 3, 4	Opp	79					Included	Cable	210	40
	TG6N-S7315-C1BH	1, 2, 3, 4	Opp	86					Included	Cable	195	37
	TG6N-S7318-C1BH	1, 2, 3, 4	Opp	102					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6N-S7307-E1BX	3, 4	Opp	41					Included	Power	300	57
	CS6N-S7309-E1BX	3, 4	Opp	51					Included	Power	275	52
	CS6N-S7312-E1BX	3, 4	Opp	68					Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		5	40TS7368						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6 & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- B — **OUTPUT SHAFT** (see pages 6 & 8)
- X — **SPECIAL OPTIONS** (see pages 6 & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 This PTO requires a special housing and is not available in standard kit form.
2 TG Series Input Gear: #03T37918 — Refer to kit program on pages 27-29.
3 Possible interference with exhaust.
4 Use “3” arrangement PTO for direct mount clearance.
5 When using the 40TS7368 adapter, change PTO to a standard housing (TG6S or CS6) and to U68 input gear (TG #3T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter).

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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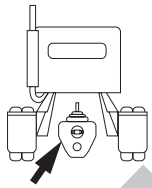
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

AS56-7B, ES56-7B (301739)

PTO DRIVE GEAR DATA:
34T 7.00P 22.5°PA 19° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 652 FPM **RPM:** 488



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7307-C3BX	1, 2, 3, 4	Opp	43					Included	Cable	230	44
	TG6N-S7308-C3BX	1, 2, 3, 4	Opp	52					Included	Cable	230	44
	TG6N-S7309-C3BX	1, 2, 3, 4	Opp	55					Included	Cable	205	39
	TG6N-S7312-C3BH	1, 2, 3, 4	Opp	67					Included	Cable	210	40
	TG6N-S7313-C3BH	1, 2, 3, 4	Opp	79					Included	Cable	210	40
	TG6N-S7315-C3BH	1, 2, 3, 4	Opp	86					Included	Cable	195	37
	TG6N-S7318-C3BH	1, 2, 3, 4	Opp	102					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6N-S7307-E3BX	3	Opp	41					Included	Power	300	57
	CS6N-S7309-E3BX	3	Opp	51					Included	Power	275	52
	CS6N-S7312-E3BX	3	Opp	68					Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		4	40TS7368						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- **OUTPUT SHAFT** (see pages 6 & 8)
- **SPECIAL OPTIONS** (see pages 6 & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1. This PTO requires a special housing and is not available in standard kit form.
2. TG Series Input Gear: #03T37918 — Refer to kit program on pages 27-29.
3. Direct mount pump interferes with transmission flange at the rear of the PTO opening. Shaft high arrangement interferes with a bulge in the case. Direct mount PKS pumps w/"S" flange on PTO may be mounted towards the front of the vehicle or use adapter listed above, note change in rotation in either case.
4. When using the 40TS7368 adapter, change PTO to a standard housing (TG6S or CS6 as shown) and to U68 input gear (TG #3T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter). Multiply speed shown by 1.15.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

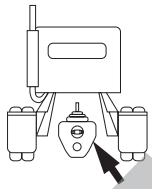
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

ESO67-7B, ESO77-7B

PTO DRIVE GEAR DATA:
34T 7.00P 22.5°PA 19° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 880 FPM **RPM:** 658



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7307-C1BX	1, 2, 3, 4	Opp	58					Included	Cable	230	44
	TG6N-S7308-C1BX	1, 2, 3, 4	Opp	71					Included	Cable	230	44
	TG6N-S7309-C1BX	1, 2, 3, 4	Opp	74					Included	Cable	205	39
	TG6N-S7312-C1BH	1, 2, 3, 4	Opp	90					Included	Cable	210	40
	TG6N-S7313-C1BH	1, 2, 3, 4	Opp	107					Included	Cable	210	40
	TG6N-S7315-C1BH	1, 2, 3, 4	Opp	116					Included	Cable	195	37
	TG6N-S7318-C1BH	1, 2, 3, 4	Opp	137					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6N-S7307-E1BX	3, 4	Opp	56					Included	Power	300	57
	CS6N-S7309-E1BX	3, 4	Opp	69					Included	Power	275	52
	CS6N-S7312-E1BX	3, 4	Opp	92					Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		5	40TS7368						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6 & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- B — **OUTPUT SHAFT** (see pages 6 & 8)
- X — **SPECIAL OPTIONS** (see pages 6 & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. This PTO requires a special housing and is not available in standard kit form.
2. TG Series Input Gear: #03T37918 — Refer to kit program on pages 27-29.
3. Possible exhaust interference.
4. Use “3” arrangement PTO for direct mount clearance.
5. When using the 40TS7368 adapter, change PTO to a standard housing (TG6S or CS6) and to U68 input gear (TG #03T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter). Multiply speed shown by 1.15.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

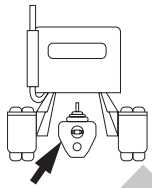
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

ESO67-7B, ESO77-7B

PTO DRIVE GEAR DATA:
34T 7.00P 22.5°PA 19° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 880 FPM **RPM:** 658



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7307-C3BX	1, 2, 3	Opp	58					Included	Cable	230	44
	TG6N-S7308-C3BX	1, 2, 3	Opp	71					Included	Cable	230	44
	TG6N-S7309-C3BX	1, 2, 3	Opp	74					Included	Cable	205	39
	TG6N-S7312-C3BH	1, 2, 3	Opp	90					Included	Cable	210	40
	TG6N-S7313-C3BH	1, 2, 3	Opp	107					Included	Cable	210	40
	TG6N-S7315-C3BH	1, 2, 3	Opp	116					Included	Cable	195	37
	TG6N-S7318-C3BH	1, 2, 3	Opp	137					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6N-S7307-E3BX	3	Opp	56					Included	Power	300	57
	CS6N-S7309-E3BX	3	Opp	69					Included	Power	275	52
	CS6N-S7312-E3BX	3	Opp	92					Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		4	40TS7368						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- **OUTPUT SHAFT** (see pages 6 & 8)
- **SPECIAL OPTIONS** (see pages 6 & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1. This PTO requires a special housing and is not available in standard kit form.
2. TG Series Input Gear: #03T37918 — Refer to kit program on pages 27-29.
3. Direct mount pump interferes with transmission flange at the rear of the PTO opening. Shaft high arrangement interferes with a bulge in the case. Direct mount PKS pumps w/"S" flange on PTO may be mounted towards the front of the vehicle or use adapter listed above, note change in rotation in either case.
4. When using the 40TS7368 adapter, change PTO to a standard housing (TG6S or CS6) and to U68 input gear (TG #03T34284). Adapter requires 23M61000 + 23M60350 + 20MK6615 to mount to transmission (included with adapter). Multiply speed shown by 1.15

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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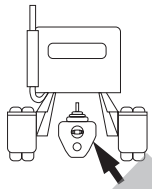
TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

ES46-5D, ES56-5D

PTO DRIVE GEAR DATA:
34T 6.2P 20°PA 23.1532° R.H.
LOCATION: Front **PLMF:** 1.102
PLV: 764 FPM **RPM:** 489



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6406-C1BX	1, 2	Opp	48				23M60032S	Included	Cable	245	47
	TG6S-S6407-C1BX	1, 2	Opp	57				23M60032S	Included	Cable	230	44
	TG6S-S6408-C1BX	1, 2	Opp	70				23M60032S	Included	Cable	230	47
	TG6S-S6409-C1BX	1, 2	Opp	73				23M60032S	Included	Cable	205	39
	TG6S-S6412-C1BH	1, 2	Opp	89				23M60032S	Included	Cable	210	40
	TG6S-S6413-C1BH	1, 2	Opp	106				23M60032S	Included	Cable	210	40
	TG6S-S6415-C1BH	1, 2	Opp	115				23M60032S	Included	Cable	195	37
	TG6S-S6418-C1BH	1, 2	Opp	136				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — Adapter No Longer Available. — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T38233 — Refer to kit program on pages 27-29.
2 Possible exhaust interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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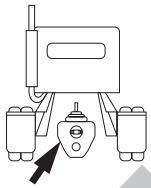
TREMEC TRANSMISSION (SPICER)

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

ES46-5D, ES56-5D

PTO DRIVE GEAR DATA:
34T 6.2P 20°PA 23.1532° R.H.
LOCATION: Front **PLMF:** 1.102
PLV: 764 FPM **RPM:** 489



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6406-C3BX	1, 2	Opp	48				23M60032S	Included	Cable	245	47
	TG6S-S6407-C3BX	1, 2	Opp	57				23M60032S	Included	Cable	230	44
	TG6S-S6408-C3BX	1, 2	Opp	70				23M60032S	Included	Cable	230	47
	TG6S-S6409-C3BX	1, 2	Opp	73				23M60032S	Included	Cable	205	39
	TG6S-S6412-C3BH	1, 2	Opp	89				23M60032S	Included	Cable	210	40
	TG6S-S6413-C3BH	1, 2	Opp	106				23M60032S	Included	Cable	210	40
	TG6S-S6415-C3BH	1, 2	Opp	115				23M60032S	Included	Cable	195	37
	TG6S-S6418-C3BH	1, 2	Opp	136				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — Adapter No Longer Available. — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T38233 — Refer to kit program on pages 27-29.
2 Direct mount pump interferes with transmission case. Use of a "1" assembly PTO with PK Series and "A" pilot will fit.

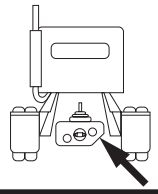
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION (SPICER)

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



PSDO165-18A, PSDO185-18A, PSDO205-18A
Footnote (2)

PTO DRIVE GEAR DATA:
52T 6P 20°PA Spur
LOCATION: Rear **PLMF:** 1.229
PLV: 1588 FPM **RPM:** 700

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6804-C2BX	1	Opp	51				23M60032S	Included	Cable	285	54
	TG6D-S6805-C2BX	1	Opp	66				23M60032S	Included	Cable	270	51
	TG6D-S6806-C2BX	1	Opp	86				23M60032S	Included	Cable	245	47
	TG6D-S6807-C2BX	1	Opp	101				23M60032S	Included	Cable	230	44
	TG6D-S6808-C2BX	1	Opp	124				23M60032S	Included	Cable	230	44
	TG6D-S6809-C2BX	1	Opp	129				23M60032S	Included	Cable	205	39
	TG6D-S6812-C2BH	1	Opp	158				23M60032S	Included	Cable	210	40
	TG6D-S6813-C2BH	1	Opp	180				23M60032S	Included	Cable	210	40
	TG6D-S6815-C2BH	1	Opp	203				23M60032S	Included	Cable	195	37
	TG6D-S6818-C2BH	1	Opp	241				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	4	Opp	83		83		23M60032S	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6800 + 23M61500 + 23M60300 + 20MK6629 Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

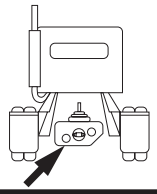
1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
2 Speed shown with “Splitter” in “Hi” range. Multiply speeds shown by .81 when “Splitter” is in “Lo”.
3 Change TG Series to U68 (#03T34284). RL Series add 23M60200S + 20MK6603 on PTO side of adapter.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION (SPICER)

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



PSDO165-18A, PSDO185-18A, PSDO205-18A

Footnote (2)

PTO DRIVE GEAR DATA:
52T 6P 20°PA Spur
LOCATION: Front **PLMF:** .929
PLV: 1588 FPM **RPM:** 700

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8D-S6804-C1BX	1	Opp	51				23M80062	20MK8815	Cable	285	54
	TG8D-S6805-C1BX	1	Opp	66				23M80062	20MK8815	Cable	270	51
	TG8D-S6806-C1BX	1	Opp	86				23M80062	20MK8815	Cable	245	47
	TG8D-S6807-C1BX	1	Opp	101				23M80062	20MK8815	Cable	230	44
	TG8D-S6808-C1BX	1	Opp	124				23M80062	20MK8815	Cable	230	44
	TG8D-S6809-C1BX	1	Opp	129				23M80062	20MK8815	Cable	205	39
	TG8D-S6812-C1BH	1	Opp	158				23M80062	20MK8815	Cable	210	40
	TG8D-S6813-C1BH	1	Opp	180				23M80062	20MK8815	Cable	210	40
	TG8D-S6815-C1BH	1	Opp	203				23M80062	20MK8815	Cable	195	37
	TG8D-S6818-C1BH	1	Opp	241				23M80062	20MK8815	Cable	175	33
SH SERIES	SH8D-S6807-E1BX		Opp	98				23M80062	20MK8815	Elec/Air	400	76
	SH8D-S6809-E1BX		Opp	121				23M80062	20MK8815	Elec/Air	375	71
	SH8D-S6812-E1BX		Opp	161				23M80062	20MK8815	Elec/Air	325	62
	SH8D-S6813-E1BX		Opp	187				23M80062	20MK8815	Elec/Air	325	62
CLUTCH SHIFT	CS8D-S6807-E1BX		Opp	98				23M80062	20MK8815	Power	300	57
	CS8D-S6809-E1BX		Opp	121				23M80062	20MK8815	Power	275	52
	CS8D-S6812-E1BX		Opp	161				23M80062	20MK8815	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	83		83	29MK8248	23M80062	20MK8815	Lever	200	38

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
2 Speed shown with “Splitter” in “Hi” range. Multiply speeds shown by .81 when “Splitter” is in “Lo”.
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

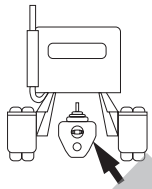
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

199A, 199F

PTO DRIVE GEAR DATA:
36T 8.19P 20° PA 29.9° R.H.
LOCATION: Rear **PLMF:** 1.120
PLV: 526 FPM **RPM:** 396



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-T8207-C2BX	1	Opp	37					Included	Cable	230	44
	TG6S-T8208-C2BX	1	Opp	45					Included	Cable	230	44
	TG6S-T8209-C2BX	1	Opp	47					Included	Cable	205	39
	TG6S-T8212-C2BH	1	Opp	58					Included	Cable	210	40
	TG6S-T8213-C2BH	1	Opp	66					Included	Cable	210	40
	TG6S-T8215-C2BH	1	Opp	74					Included	Cable	195	37
	TG6S-T8218-C2BH	1	Opp	88					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see page 6)
- 1: **ASSEMBLY ARRANGEMENT** (see page 6)
- B: **OUTPUT SHAFT** (see page 6)
- X: **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T35650 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION

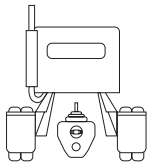
LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

199A, 199F

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - PTO SERIES & HOUSING DESIGNATOR
- U68 - GEAR PITCH
- 07 - INTERNAL RATIO
- C - SHIFT OPTIONS
- 1 - ASSEMBLY ARRANGEMENT
- B - OUTPUT SHAFT
- X - SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

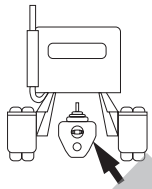
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TR4040, TR4050

PTO DRIVE GEAR DATA:
32T 8.1P 20° PA 29.47° R.H.
LOCATION: Front **PLMF:** 1.120
PLV: 667 FPM **RPM:** 562



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-T8107-C1BX	1	Opp	45					Included	Cable	230	44
	TG6S-T8108-C1BX	1	Opp	55					Included	Cable	230	44
	TG6S-T8109-C1BX	1	Opp	57					Included	Cable	205	39
	TG6S-T8112-C1BH	1	Opp	70					Included	Cable	210	40
	TG6S-T8113-C1BH	1	Opp	83					Included	Cable	210	40
	TG6S-T8115-C1BH	1	Opp	90					Included	Cable	195	37
	TG6S-T8118-C1BH	1	Opp	107					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T38546 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

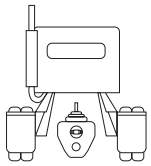
TREMEC TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

NO OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



TR4040, TR4050

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - PTO SERIES & HOUSING DESIGNATOR
- U68 - GEAR PITCH
- 07 - INTERNAL RATIO
- C - SHIFT OPTIONS
- 1 - ASSEMBLY ARRANGEMENT
- B - OUTPUT SHAFT
- X - SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

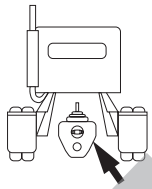
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TR-S46-5A, TR-S56-5A

PTO DRIVE GEAR DATA:
32T 6.1P 20° PA 23.1532° R.H.
LOCATION: Front **PLMF:** 1.102
PLV: 764 FPM **RPM:** 489



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6306-C1BX	1, 2	Opp	43					Included	Cable	245	47
	TG6S-S6307-C1BX	1, 2	Opp	51					Included	Cable	230	44
	TG6S-S6308-C1BX	1, 2	Opp	63					Included	Cable	230	44
	TG6S-S6309-C1BX	1, 2	Opp	65					Included	Cable	205	39
	TG6S-S6312-C1BH	1, 2	Opp	80					Included	Cable	210	40
	TG6S-S6313-C1BH	1, 2	Opp	95					Included	Cable	210	40
	TG6S-S6315-C1BH	1, 2	Opp	103					Included	Cable	195	37
	TG6S-S6318-C1BH	1, 2	Opp	122					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T38184 — Refer to kit program on pages 27-29.
2 Direct mount pump interferes with transmission case. Use of a “1” assembly PTO with PK Series and “A” pilot will fit.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

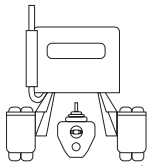
TREMEC TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TR-S46-5A, TR-S56-5A

PTO DRIVE GEAR DATA:
32T 6.1P 20° PA 23.1532° R.H.
LOCATION: Front **PLMF:** 1.102
PLV: 764 FPM **RPM:** 489



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6306-C3BX	1, 2	Opp	43					Included	Cable	245	47
	TG6S-S6307-C3BX	1, 2	Opp	51					Included	Cable	230	44
	TG6S-S6308-C3BX	1, 2	Opp	63					Included	Cable	230	44
	TG6S-S6309-C3BX	1, 2	Opp	65					Included	Cable	205	39
	TG6S-S6312-C3BH	1, 2	Opp	80					Included	Cable	210	40
	TG6S-S6313-C3BH	1, 2	Opp	95					Included	Cable	210	40
	TG6S-S6315-C3BH	1, 2	Opp	103					Included	Cable	195	37
	TG6S-S6318-C3BH	1, 2	Opp	122					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T38184 — Refer to kit program on pages 27-29.
2 Direct mount pump interferes with transmission case. Use of a "1" assembly PTO with PK Series and "A" pilot will fit or use adapter for pump clearance, note rotation change when using adapter.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

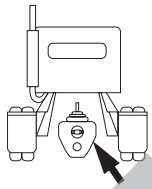
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TR-S62-5A, TR-S67-5A

PTO DRIVE GEAR DATA:
41T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .470
PLV: 850 FPM **RPM:** 490



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S7006-C1BX	1	Opp	51				23M80295+23M80062	20MK8815	Cable	245	47
	TG8S-S7007-C1BX	1	Opp	61				23M80295+23M80062	20MK8815	Cable	230	44
	TG8S-S7008-C1BX	1	Opp	74				23M80295+23M80062	20MK8815	Cable	230	44
	TG8S-S7009-C1BX	1	Opp	77				23M80295+23M80062	20MK8815	Cable	205	39
	TG8S-S7012-C1BH	1	Opp	95				23M80295+23M80062	20MK8815	Cable	210	40
	TG8S-S7013-C1BH	1	Opp	108				23M80295+23M80062	20MK8815	Cable	210	40
	TG8S-S7015-C1BH	1	Opp	121				23M80295+23M80062	20MK8815	Cable	195	37
	TG8S-S7018-C1BH	1	Opp	144				23M80295+23M80062	20MK8815	Cable	175	33
SH SERIES	SH8S-S7009-E1BX		Opp	72				23M80248+23M80062	20MK8815	Elec/Air	375	71
CLUTCH SHIFT	CS8S-S7009-E1BX		Opp	72				23M80248+23M80062	20MK8815	Power	375	52
1 FWD. 1 REV.	RL8S-S7005-L3BX	2	Opp	44		44		23M80248 + 23M80062	20MK8815	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-S7010-L1CX		Opp	57				23M80248+23M80062	20MK8817	Lever	410	78
	828S-S7013-L1CX		Opp	77				23M80248+23M80062	20MK8817	Lever	375	71
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - **PTO SERIES & HOUSING DESIGNATOR**
- U68 - **GEAR PITCH**
- 07 - **INTERNAL RATIO**
- C - **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- 1 - **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)
- B - **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- X - **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

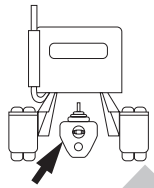
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TREMEC TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
41T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .722
PLV: 850 FPM **RPM:** 490



TR-S62-5A, TR-S67-5A

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S7006-C3BX	1	Opp	51				23M60350	20MK6604	Cable	245	47
	TG6S-S7007-C3BX	1	Opp	61				23M60350	20MK6604	Cable	230	44
	TG6S-S7008-C3BX	1	Opp	74				23M60350	20MK6604	Cable	230	44
	TG6S-S7009-C3BX	1	Opp	77				23M60350	20MK6604	Cable	205	39
	TG6S-S7012-C3BH	1	Opp	95				23M60350	20MK6604	Cable	210	40
	TG6S-S7013-C3BH	1	Opp	108				23M60350	20MK6604	Cable	210	40
	TG6S-S7015-C3BH	1	Opp	121				23M60350	20MK6604	Cable	195	37
	TG6S-S7018-C3BH	1	Opp	144				23M60350	20MK6604	Cable	175	33
SH SERIES	SH6S-S7009-E3BX		Opp	72				23M60350	20TK4434	Elec/Air	375	71
CLUTCH SHIFT	CS6S-S7009-E3BX		Opp	72				23M60350	20TK4434	Power	275	52
1 FWD. 1 REV.	RL6D-S7005-L3BX	2	Opp	44		44		23M60300+23M60300	20MK6607	LEVER	200	38

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, & 8)
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY affect PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

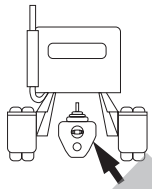
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TR-S62-5D, TR-S67-5D

PTO DRIVE GEAR DATA:
43T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .290
PLV: 894 FPM **RPM:** 491



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S7005-C1BX	1	Opp	41				23M80500	20MK8817	Cable	270	51
	TG8S-S7006-C1BX	1	Opp	54				23M80500	20MK8817	Cable	245	47
	TG8S-S7007-C1BX	1	Opp	63				23M80500	20MK8817	Cable	230	44
	TG8S-S7008-C1BX	1	Opp	78				23M80500	20MK8817	Cable	230	44
	TG8S-S7009-C1BX	1	Opp	81				23M80500	20MK8817	Cable	205	39
	TG8S-S7012-C1BH	1	Opp	99				23M80500	20MK8817	Cable	210	40
	TG8S-S7013-C1BH	1	Opp	113				23M80500	20MK8817	Cable	210	40
	TG8S-S7015-C1BH	1	Opp	128				23M80500	20MK8817	Cable	195	37
	TG8S-S7018-C1BH	1	Opp	151				23M80500	20MK8817	Cable	175	33
SH SERIES	SH8S-S7009-E1BX		Opp	76				23M80500	20MK8817	Elec/Air	375	71
CLUTCH SHIFT												
1 FWD. 1 REV.	RL8S-S7005-L3BX	2	Opp	46		46		23M80500	20MK8817	Lever	200	38

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-S7010-L1CX		Opp	61				23M80500	20MK8816	Lever	410	78
	828S-S7013-L1CX		Opp	80				23M80500	20MK8816	Lever	375	71
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 11)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 11)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 11)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 11)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

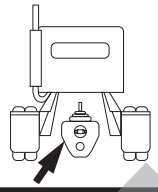
TREMEC TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TR-S62-5D, TR-S67-5D

PTO DRIVE GEAR DATA:
43T 7P 17.5°PA 28°4'23" R.H.
LOCATION: Front **PLMF:** .560
PLV: 894 FPM **RPM:** 491



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S7005-C3BX	1	Opp	41				23M60500	20MK6605	Cable	270	51
	TG6S-S7006-C3BX	1	Opp	54				23M60500	20MK6605	Cable	245	47
	TG6S-S7007-C3BX	1	Opp	63				23M60500	20MK6605	Cable	230	44
	TG6S-S7008-C3BX	1	Opp	78				23M60500	20MK6605	Cable	230	44
	TG6S-S7009-C3BX	1	Opp	81				23M60500	20MK6605	Cable	205	39
	TG6S-S7012-C3BH	1	Opp	99				23M60500	20MK6605	Cable	210	40
	TG6S-S7013-C3BH	1	Opp	113				23M60500	20MK6605	Cable	210	40
	TG6S-S7015-C3BH	1	Opp	128				23M60500	20MK6605	Cable	195	37
	TG6S-S7018-C3BH	1	Opp	151				23M60500	20MK6605	Cable	175	33
SH SERIES	SH6S-S7009-E3BX		Opp	76				23M60500	20TK4435	Elec/Air	375	71
CLUTCH SHIFT	CS6S-S7009-E3BX		Opp	76				23M60500	20TK4435	Power	275	52
1 FWD. 1 REV.	RL6D-S7005-L3BX	2	Opp	46		46		23M60550+23M60187S	20MK6607	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34287 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

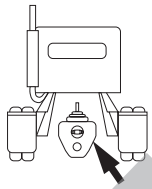
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TR-S70-5A

PTO DRIVE GEAR DATA:
40T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** -.025
PLV: 1015 FPM **RPM:** 522



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S6005-C1BX	1	Opp	47				23M80500+23M80295	20MK8816	Cable	270	51
	TG8S-S6006-C1BX	1	Opp	61				23M80500+23M80295	20MK8816	Cable	245	47
	TG8S-S6007-C1BX	1	Opp	72				23M80500+23M80295	20MK8816	Cable	230	44
	TG8S-S6008-C1BX	1	Opp	88				23M80500+23M80295	20MK8816	Cable	230	44
	TG8S-S6009-C1BX	1	Opp	92				23M80500+23M80295	20MK8816	Cable	205	39
	TG8S-S6012-C1BH	1	Opp	113				23M80500+23M80295	20MK8816	Cable	210	40
	TG8S-S6013-C1BH	1	Opp	129				23M80500+23M80295	20MK8816	Cable	210	40
	TG8S-S6015-C1BH	1	Opp	145				23M80500+23M80295	20MK8816	Cable	195	37
	TG8S-S6018-C1BH	1	Opp	172				23M80500+23M80295	20MK8816	Cable	175	33
SH SERIES	SH8S-S6007-E1BX		Opp	69				23M80500+23M80248	20MK8816	Elec/Air	400	76
CLUTCH SHIFT	CS8S-S6007-E1BX		Opp	69				23M80500+23M80248	20MK8816	Power	300	57
1 FWD. 1 REV.	RL8S-S6005-L3BX	2	Opp	55		55		23M80500+23M80295	20MK8816	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1: **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B: **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X: **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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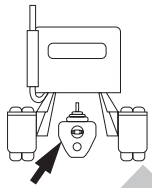
TREMEC TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

TR-S70-5A

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
40T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .809
PLV: 1015 FPM **RPM:** 522



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6005-C3BX	1	Opp	47				23M60270	20MK6604	Cable	270	51
	TG6S-S6006-C3BX	1	Opp	61				23M60270	20MK6604	Cable	245	47
	TG6S-S6007-C3BX	1	Opp	72				23M60270	20MK6604	Cable	230	44
	TG6S-S6008-C3BX	1	Opp	88				23M60270	20MK6604	Cable	230	44
	TG6S-S6009-C3BX	1	Opp	92				23M60270	20MK6604	Cable	205	39
	TG6S-S6012-C3BH	1	Opp	113				23M60270	20MK6604	Cable	210	40
	TG6S-S6013-C3BH	1	Opp	129				23M60270	20MK6604	Cable	210	40
	TG6S-S6015-C3BH	1	Opp	145				23M60270	20MK6604	Cable	195	37
	TG6S-S6018-C3BH	1	Opp	172				23M60270	20MK6604	Cable	175	33
SH SERIES	SH6S-S6007-E3BX		Opp	69				23M60187S	20TK4433	Elec/Air	400	76
CLUTCH SHIFT	CS6S-S6007-E3BX		Opp	69				23M60187S	20TK4433	Power	300	57
1 FWD. 1 REV.	RL6D-S6005-L3BX	2	Opp	55		55		23M60400	20MK6604	Lever	200	38

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

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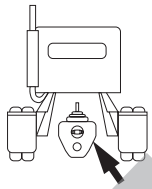
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TR-S70-5D

PTO DRIVE GEAR DATA:
42T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** -.211
PLV: 1067 FPM **RPM:** 522



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-S6005-C1BX	1	Opp	49				(2) 23M80500	20MK8807	Cable	270	51
	TG8S-S6006-C1BX	1	Opp	63				(2) 23M80500	20MK8807	Cable	245	47
	TG8S-S6007-C1BX	1	Opp	75				(2) 23M80500	20MK8807	Cable	230	44
	TG8S-S6008-C1BX	1	Opp	93				(2) 23M80500	20MK8807	Cable	230	44
	TG8S-S6009-C1BX	1	Opp	97				(2) 23M80500	20MK8807	Cable	205	39
	TG8S-S6012-C1BH	1	Opp	119				(2) 23M80500	20MK8807	Cable	210	40
	TG8S-S6013-C1BH	1	Opp	136				(2) 23M80500	20MK8807	Cable	210	40
	TG8S-S6015-C1BH	1	Opp	153				(2) 23M80500	20MK8807	Cable	195	37
	TG8S-S6018-C1BH	1	Opp	181				(2) 23M80500	20MK8807	Cable	175	33
SH SERIES	SH8S-S6007-E1BX		Opp	72				(2) 23M80500	20MK8807	Elec/Air	400	76
CLUTCH SHIFT	CS8S-S6007-E1BX		Opp	72				(2) 23M80500	20MK8807	Power	300	57
1 FWD. 1 REV.	RL8S-S6005-L3BX	2	Opp	58		58		(2) 23M80500	20MK8807	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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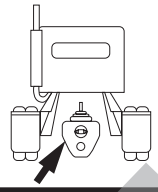
TREMEC TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TR-S70-5D

PTO DRIVE GEAR DATA:
42T 6P 17.5°PA 26°10'37" R.H.
LOCATION: Front **PLMF:** .623
PLV: 1067 FPM **RPM:** 522



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-S6005-C3BX	1	Opp	49				23M60450	20MK6605	Cable	270	51
	TG6S-S6006-C3BX	1	Opp	63				23M60450	20MK6605	Cable	245	47
	TG6S-S6007-C3BX	1	Opp	75				23M60450	20MK6605	Cable	230	44
	TG6S-S6008-C3BX	1	Opp	93				23M60450	20MK6605	Cable	230	44
	TG6S-S6009-C3BX	1	Opp	97				23M60450	20MK6605	Cable	205	39
	TG6S-S6012-C3BH	1	Opp	119				23M60450	20MK6605	Cable	210	40
	TG6S-S6013-C3BH	1	Opp	136				23M60450	20MK6605	Cable	210	40
	TG6S-S6015-C3BH	1	Opp	153				23M60450	20MK6605	Cable	195	37
	TG6S-S6018-C3BH	1	Opp	181				23M60450	20MK6605	Cable	175	33
SH SERIES	SH8S-S6007-E3BX		Opp	72				23M60350	20TK4435	Elec/Air	400	76
CLUTCH SHIFT	CS6S-S6007-E3BX		Opp	72				23M60350	20TK4435	Power	300	57
1 FWD. 1 REV.	RL6D-S6005-L3BX	2	Opp	58		58		23M60300+23M60300	20MK6607	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages v)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34286 — Refer to kit program on pages 27-29.
2 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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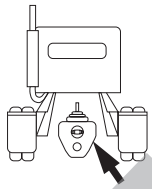
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TR-S56-7B

PTO DRIVE GEAR DATA:
34T 7.00P 22.5°PA 19° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 652 FPM **RPM:** 488



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7307-C1BX	1, 2, 3, 4	Opp	43					Included	Cable	230	44
	TG6N-S7308-C1BX	1, 2, 3, 4	Opp	52					Included	Cable	230	44
	TG6N-S7309-C1BX	1, 2, 3, 4	Opp	55					Included	Cable	205	39
	TG6N-S7312-C1BH	1, 2, 3, 4	Opp	67					Included	Cable	210	40
	TG6N-S7313-C1BH	1, 2, 3,4	Opp	79					Included	Cable	210	40
	TG6N-S7315-C1BH	1, 2, 3, 4	Opp	86					Included	Cable	195	37
	TG6N-S7318-C1BH	1, 2, 3, 4	Opp	102					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6N-S7307-E1BX	3, 4	Opp	41					Included	Power	300	57
	CS6N-S7309-E1BX	3, 4	Opp	51					Included	Power	275	52
	CS6N-S7312-E1BX	3, 4	Opp	68					Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		5	40TS7368						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6 & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- B — **OUTPUT SHAFT** (see pages 6 & 8)
- X — **SPECIAL OPTIONS** (see pages 6 & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 This PTO requires a special housing and is not available in standard kit form.
2 TG Series Input Gear: #03T37918 — Refer to kit program on pages 27-29.
3 Possible interference with exhaust.
4 Use “3” arrangement PTO for direct mount clearance.
5 When using the 40TS7368 adapter, change PTO to a standard housing (TG6S or CS6) and to U68 input gear (TG #3T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter).

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

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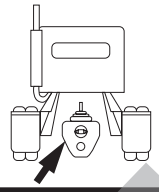
TREMEC TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TR-S56-7B

PTO DRIVE GEAR DATA:
34T 7.00P 22.5°PA 19° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 652 FPM **RPM:** 488



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7307-C3BX	1, 2, 3, 4	Opp	43					Included	Cable	230	44
	TG6N-S7308-C3BX	1, 2, 3, 4	Opp	52					Included	Cable	230	44
	TG6N-S7309-C3BX	1, 2, 3, 4	Opp	55					Included	Cable	205	39
	TG6N-S7312-C3BH	1, 2, 3, 4	Opp	67					Included	Cable	210	40
	TG6N-S7313-C3BH	1, 2, 3, 4	Opp	79					Included	Cable	210	40
	TG6N-S7315-C3BH	1, 2, 3, 4	Opp	86					Included	Cable	195	37
	TG6N-S7318-C3BH	1, 2, 3, 4	Opp	102					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT	CS6N-S7307-E3BX	3	Opp	41					Included	Power	300	57
	CS6N-S7309-E3BX	3	Opp	51					Included	Power	275	52
	CS6N-S7312-E3BX	3	Opp	68					Included	Power	275	52
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		4	40TS7368						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6 & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6 & 8)
- **OUTPUT SHAFT** (see pages 6 & 8)
- **SPECIAL OPTIONS** (see pages 6 & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1. This PTO requires a special housing and is not available in standard kit form.
2. TG Series Input Gear: #03T37918 — Refer to kit program on pages 27-29.
3. Direct mount pump interferes with transmission flange at the rear of the PTO opening. Shaft high arrangement interferes with a bulge in the case. Direct mount PKS pumps w/"S" flange on PTO may be mounted towards the front of the vehicle or use adapter listed above, note change in rotation in either case.
4. When using the 40TS7368 adapter, change PTO to a standard housing (TG6S or CS6 as shown) and to U68 input gear (TG #3T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter). Multiply speed shown by 1.15.

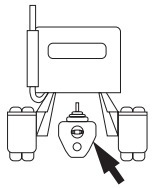
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



TR7070, TR-SO66-7B
Footnote (3)

PTO DRIVE GEAR DATA:
34T 7.00P 17.5°PA 18° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 880 FPM **RPM:** 658

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7106-C1BX	1, 2, 4	Opp	47					Included	Cable	245	47
	TG6N-S7107-C1BX	1, 2, 4	Opp	56					Included	Cable	230	44
	TG6N-S7108-C1BX	1, 2, 4	Opp	68					Included	Cable	230	44
	TG6N-S7109-C1BX	1, 2, 4	Opp	71					Included	Cable	205	39
	TG6N-S7112-C1BH	1, 2, 4	Opp	87					Included	Cable	210	40
	TG6N-S7113-C1BH	1, 2, 4	Opp	99					Included	Cable	210	40
	TG6N-S7115-C1BH	1, 2, 4	Opp	112					Included	Cable	195	37
	TG6N-S7118-C1BH	1, 2, 4	Opp	133					Included	Cable	175	33
SH SERIES	SH6N-S7107-E1BX	4	Opp	53					Included	Elec/Air	400	76
	SH6N-S7109-E1BX	4	Opp	66					Included	Elec/Air	375	71
	SH6S-U6809-E1BX		Crnk	78			40TS7168		Included	Elec/Air	375	71
	SH6S-U6812-E1BX		Crnk	103			40TS7168		Included	Elec/Air	325	62
CLUTCH SHIFT	CS6N-S7107-E1BX	4	Opp	53					Included	Power	300	57
	CS6N-S7109-E1BX	4	Opp	66					Included	Power	275	52
	CS6S-U6809-E1BX		Crnk	78			40TS7168		Included	Power	275	52
	CS6S-U6812-E1BX		Crnk	103			40TS7168		included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	6	Crnk	49		49	40TS7168	23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		5	40TS7168						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 This PTO requires a Special Housing and is not available in standard kit form.
2 TG Series Input Gear: #03T35540 — Refer to kit program on pages 27-29.
3 Possible exhaust interference.
4 Use “3” arrangement PTO for direct mount pump clearance.
5 Change PTO to Standard housing (TG6S and CS6S) and to U68 input gear (TG #03T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter). Multiply speed shown by 1.15.
6 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

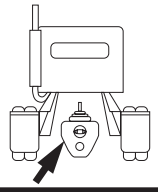
TREMEC TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TR-7070, TR-SO66-7B

PTO DRIVE GEAR DATA:
34T 7.00P 17.5°PA 18° R.H.
LOCATION: Front **PLMF:** 1.411
PLV: 880 FPM **RPM:** 658



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6N-S7106-C3BX	1, 2, 3	Opp	47					Included	Cable	245	47
	TG6N-S7107-C3BX	1, 2, 3	Opp	56					Included	Cable	230	44
	TG6N-S7108-C3BX	1, 2, 3	Opp	68					Included	Cable	230	44
	TG6N-S7109-C3BX	1, 2, 3	Opp	71					Included	Cable	205	39
	TG6N-S7112-C3BH	1, 2, 3	Opp	87					Included	Cable	210	40
	TG6N-S7113-C3BH	1, 2, 3	Opp	99					Included	Cable	210	40
	TG6N-S7115-C3BH	1, 2, 3	Opp	112					Included	Cable	195	37
	TG6N-S7118-C3BH	1, 2, 3	Opp	133					Included	Cable	175	33
SH SERIES	SH6N-S7107-E3BX	3	Opp	53					Included	Elec/Air	400	76
	SH6N-S7109-E3BX	3	Opp	66					Included	Elec/Air	375	71
	SH6S-U6809-E3BX		Crnk	78			40TS7168		Included	Elec/Air	375	71
	SH6S-U6812-E3BX		Crnk	103			40TS7168		Included	Elec/Air	325	62
CLUTCH SHIFT	CS6N-S7107-E3BX	3	Opp	53					Included	Power	300	57
	CS6N-S7109-E3BX	3	Opp	66					Included	Power	275	52
	CS6S-U6809-E3BX		Crnk	78			40TS7168		Included	Power	275	52
	CS6S-U6812-E3BX		Crnk	103			40TS7168		Included	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	5	Crnk	49		49	40TS7168	23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION		4	40TS7168						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1 — **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B — **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X — **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 This PTO requires a Special Housing and is not available in standard kit form.
2 TG Series Input Gear: #03T35540 — Refer to kit program on pages 27-29.
3 Direct mount pump interferes with transmission flange at the rear of the PTO opening. Shaft high arrangement interferes with a bulge in the case. Direct mount pumps may be mounted towards the front of the vehicle.
4 Change PTO to Standard housing (TG6S and CS6S) and to U68 input gear (TG #03T34284). Adapter requires 23M61000 + 23M60350 + 20MK6613 to mount to transmission (included with adapter). Multiply speed shown by 1.15.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

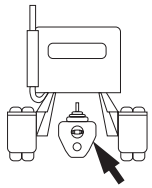
TREMEC TRANSMISSION

RIGHT SIDE ONLY
BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

TR-T110-7B

PTO DRIVE GEAR DATA:
56T 6P 20°PA Spur
LOCATION: Front **PLMF:** .668
PLV: 850 FPM **RPM:** 348



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6806-C1BM	1, 2, 4	Opp	50				23M60350	20MK6604	Cable	245	47
	TG6S-X6807-C1BM	1, 2, 4	Opp	59				23M60350	20MK6604	Cable	230	44
	TG6S-X6808-C1BM	1, 2, 4	Opp	72				23M60350	20MK6604	Cable	230	44
	TG6S-X6809-C1BM	1, 2, 4	Opp	75				23M60350	20MK6604	Cable	205	39
	TG6S-X6812-C1BQ	1, 2, 4	Opp	92				23M60350	20MK6604	Cable	210	40
	TG6S-X6813-C1BQ	1, 2, 4	Opp	105				23M60350	20MK6604	Cable	210	40
	TG6S-X6815-C1BQ	1, 2, 4	Opp	118				23M60350	20MK6604	Cable	195	37
	TG6S-X6818-C1BQ	1, 2, 4	Opp	140				23M60350	20MK6604	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	4	Opp	56				23M60350	20TK4434	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Opp	70				23M60350	20TK4434	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Opp	93				23M60350	20TK4434	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6807-E1BX	4	Opp	56				23M60350	20TK4434	Power	300	57
	CS6S-U6809-E1BX	4	Opp	70				23M60350	20TK4434	Power	275	52
	CS6S-U6812-E1BX	4	Opp	93				23M60350	20TK4434	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	44		44		23M60500	20MK6605	Lever	200	38

ADAPTER TO CHANGE ROTATION

REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see pages 6, 7, & 8)
- 1: **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- B: **OUTPUT SHAFT** (see pages 6, 7, & 8)
- X: **SPECIAL OPTIONS** (see pages 6, 7, & 8)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.
3 Do not use for continuous duty applications.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6606.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

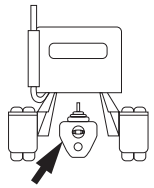
TREMEC TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

TR-T110-7B

PTO DRIVE GEAR DATA:
56T 6P 20°PA Spur
LOCATION: Front **PLMF:** .668
PLV: 850 FPM **RPM:** 348



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6806-C1BM	1, 2, 4	Opp	50				23M60350	20MK6604	Cable	245	47
	TG6S-X6807-C1BM	1, 2, 4	Opp	59				23M60350	20MK6604	Cable	230	44
	TG6S-X6808-C1BM	1, 2, 4	Opp	72				23M60350	20MK6604	Cable	230	44
	TG6S-X6809-C1BM	1, 2, 4	Opp	75				23M60350	20MK6604	Cable	205	39
	TG6S-X6812-C1BQ	1, 2, 4	Opp	92				23M60350	20MK6604	Cable	210	40
	TG6S-X6813-C1BQ	1, 2, 4	Opp	105				23M60350	20MK6604	Cable	210	40
	TG6S-X6815-C1BQ	1, 2, 4	Opp	118				23M60350	20MK6604	Cable	195	37
	TG6S-X6818-C1BQ	1, 2, 4	Opp	140				23M60350	20MK6604	Cable	175	33
SH SERIES	SH6S-U6807-E1BX	4	Opp	56				23M60350	20TK4434	Elec/Air	400	76
	SH6S-U6809-E1BX	4	Opp	70				23M60350	20TK4434	Elec/Air	375	71
	SH6S-U6812-E1BX	4	Opp	93				23M60350	20TK4434	Elec/Air	325	62
CLUTCH SHIFT	CS6S-U6807-E1BX	4	Opp	56				23M60350	20TK4434	Power	300	57
	CS6S-U6809-E1BX	4	Opp	70				23M60350	20TK4434	Power	275	52
	CS6S-U6812-E1BX	4	Opp	93				23M60350	20TK4434	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	44		44		23M60500	20MK6605	Lever	200	38
ADAPTER TO CHANGE ROTATION									REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.
3 Do not use for continuous duty applications.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and change stud kit to 20MK6606.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

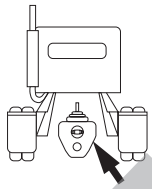
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

TR-T110-7A, TR-T145-7A

PTO DRIVE GEAR DATA:
43T 5P 20°PA Spur
LOCATION: Front **PLMF:** .990
PLV: 948 FPM **RPM:** 420



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U5705-C1BM	1, 2	Opp	42					Included	Cable	270	51
	TG6S-U5706-C1BM	1, 2	Opp	55					Included	Cable	245	47
	TG6S-U5707-C1BM	1, 2	Opp	65					Included	Cable	230	44
	TG6S-U5708-C1BM	1, 2	Opp	80					Included	Cable	230	44
	TG6S-U5709-C1BM	1, 2	Opp	83					Included	Cable	205	39
	TG6S-U5712-C1BQ	1, 2	Opp	102					Included	Cable	210	40
	TG6S-U5713-C1BQ	1, 2	Opp	116					Included	Cable	210	40
	TG6S-U5715-C1BQ	1, 2	Opp	131					Included	Cable	195	37
	TG6S-U5718-C1BQ	1, 2	Opp	155					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U5705-L3BX	3	Opp	50		50		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TU5700 + 23M62000 + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — PTO SERIES & HOUSING DESIGNATOR
- U68 — GEAR PITCH
- 07 — INTERNAL RATIO
- C — SHIFT OPTIONS (see page 6)
- 1 — ASSEMBLY ARRANGEMENT (see page 6)
- B — OUTPUT SHAFT (see page 6)
- X — SPECIAL OPTIONS (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34451 — Refer to kit program on pages 27-29.
2 PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.
3 Do not use for continuous duty applications.

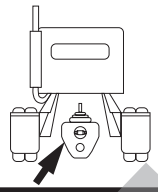
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

TREMEC TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING



TR-T110-7A, TR-T145-7A

PTO DRIVE GEAR DATA:
43T 5P 20°PA Spur
LOCATION: Front **PLMF:** .990
PLV: 948FPM **RPM:** 420

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-U5705-C1BM	1, 2	Opp	42					Included	Cable	270	51
	TG6S-U5706-C1BM	1, 2	Opp	55					Included	Cable	245	47
	TG6S-U5707-C1BM	1, 2	Opp	65					Included	Cable	230	44
	TG6S-U5708-C1BM	1, 2	Opp	80					Included	Cable	230	44
	TG6S-U5709-C1BM	1, 2	Opp	83					Included	Cable	205	39
	TG6S-U5712-C1BQ	1, 2	Opp	102					Included	Cable	210	40
	TG6S-U5713-C1BQ	1, 2	Opp	116					Included	Cable	210	40
	TG6S-U5715-C1BQ	1, 2	Opp	131					Included	Cable	195	37
	TG6S-U5718-C1BQ	1, 2	Opp	155					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U5705-L3BX	3	Opp	50		50		23M60200S	20MK6602	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TU5700 + 23M62000 + 23M60140S + 20MK6631						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1. TG Series Input Gear: #03T34451 — Refer to kit program on pages 27-29.
2. PTO supplied with special idler plate due to transmission interference. Use idler cap kit 15MK33977.
3. Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

OBSOLETE

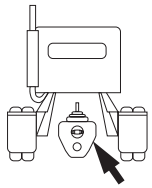
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

TR-T86-10V

PTO DRIVE GEAR DATA:
45T 6P 20° Spur
LOCATION: Rear **PLMF:** 1.080
PLV: 1188 FPM **RPM:** 605



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 4	Opp	41				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 4	Opp	53				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 4	Opp	69				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 4	Opp	82				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 4	Opp	100				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 4	Opp	104				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 4	Opp	128				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 4	Opp	145				23M60032S	Included	Cable	210	40
	TG6S-X6815-C2BH	1, 4	Opp	164				23M60032S	Included	Cable	195	37
	TG6S-X6818-C2BH	1, 4	Opp	195				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		2, 3	See Footnotes Below						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG Series to U68 input gear #03T34284.
3 For continuous duty applications use 40TU6800 + 23M62000 + 20MK6631 or for clearance use 40TU6855-2. X68 input can be changed to U68 and spacer shown on application is not used.
4 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

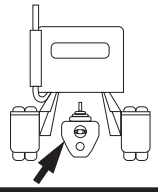
TREMEC TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TR-T86-10V

PTO DRIVE GEAR DATA:
45T 6P20° Spur
LOCATION: Front **PLMF:**.731/1.00
PLV: 1188 FPM **RPM:** 605



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 4	Opp	41				23M80032	Included	Cable	285	54
	TG8S-X6805-C3BX	1, 4	Opp	53				23M80032	Included	Cable	270	51
	TG8S-X6806-C3BX	1, 4	Opp	69				23M80032	Included	Cable	245	47
	TG8S-X6807-C3BX	1, 4	Opp	82				23M80032	Included	Cable	230	44
	TG8S-X6808-C3BX	1, 4	Opp	100				23M80032	Included	Cable	230	44
	TG8S-X6809-C3BX	1, 4	Opp	104				23M80032	Included	Cable	205	39
	TG8S-X6812-C3BH	1, 4	Opp	128				23M80032	Included	Cable	210	40
	TG8S-X6813-C3BH	1, 4	Opp	145				23M80032	Included	Cable	210	40
	TG8S-X6815-C3BH	1, 4	Opp	164				23M80032	Included	Cable	195	37
	TG8S-X6818-C3BH	1, 4	Opp	195				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	53					Included	Elec/Air	400	76
	SH8S-U6807-E3BX	4	Opp	79					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	4	Opp	98					Included	Elec/Air	375	71
	SH8S-U6812-E3BX	4	Opp	130					Included	Elec/Air	325	62
	SH8S-U6813-E3BX	4	Opp	151					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	53					Included	Power	300	57
	CS8S-U6806-E3BX		Opp	63					Included	Power	300	57
	CS8S-U6807-E3BX	4	Opp	79					Included	Power	300	57
	CS8S-U6809-E3BX	4	Opp	98					Included	Power	275	52
	CS8S-U6812-E3BX	4	Opp	130					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	30		30		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	5	Opp	62		62		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Opp	38					Included	Lever	500	95
	828S-U6808-L3CX		Opp	60					Included	Lever	450	85
	828S-U6809-L3CX		Opp	74					Included	Lever	410	78
	828S-U6810-L3CX		Opp	80					Included	Lever	410	78
	828S-U6812-L3CX		Opp	92					Included	Lever	375	71
	828S-U6813-L3CX		Opp	106					Included	Lever	375	71
	828S-U6815-L3CX		Opp	116				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Opp	143				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

model break down

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see pages 6, 7, 8, & 11)
ASSEMBLY ARRANGEMENT (see pages 6, 7, 8, & 11)
OUTPUT SHAFT (see pages 6, 7, 8, & 11)
SPECIAL OPTIONS (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear.
3 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing and TG to U68 input gear (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

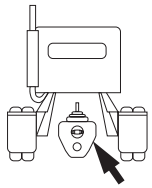
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

TR-TO115-10V, TR-TO145-10V

PTO DRIVE GEAR DATA:
45T 6P 20° Spur
LOCATION: Rear **PLMF:** 1.080
PLV: 1669 FPM **RPM:** 850



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 2	Opp	57				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 2	Opp	77				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 2	Opp	97				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 2	Opp	115				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 2	Opp	141				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 2	Opp	147				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 2	Opp	180				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 2	Opp	204				23M60032S	Included	Cable	210	40
	TG6D-S6815-C2BH	2, 3	Opp	212				23M60270	20MK6605	Cable	195	37
	TG6D-S6818-C2BH	2, 3	Opp	252				23M60270	20MK6605	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION									REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

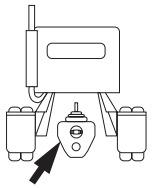
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
3 TG Series Input Gear: #03T94243 — Refer to kit program on page 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



TR-TO115-10V, TR-TO145-10V

PTO DRIVE GEAR DATA:
45T 6P 20° Spur
LOCATION: Front **PLMF:** .731/1.0
PLV: 1669 FPM **RPM:** 850

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 4	Opp	57				23M80032	Included	Cable	285	54
	TG8S-X6805-C3BX	1, 4	Opp	77				23M80032	Included	Cable	270	51
	TG8S-X6806-C3BX	1, 4	Opp	97				23M80032	Included	Cable	245	47
	TG8S-X6807-C3BX	1, 4	Opp	115				23M80032	Included	Cable	230	44
	TG8S-X6808-C3BX	1, 4	Opp	141				23M80032	Included	Cable	230	44
	TG8S-X6809-C3BX	1, 4	Opp	147				23M80032	Included	Cable	205	39
	TG8S-X6812-C3BH	1, 4	Opp	180				23M80032	Included	Cable	210	40
	TG8S-X6813-C3BH	1, 4	Opp	204				23M80032	Included	Cable	210	40
	TG8S-X6815-C3BH	1, 4	Opp	212				23M80032	Included	Cable	195	37
	TG8S-X6818-C3BH	1, 4	Opp	252				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	75					Included	Elec/Air	400	76
	SH8S-U6807-E3BX	4	Opp	111					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	4	Opp	138					Included	Elec/Air	375	71
	SH8S-U6812-E3BX	4	Opp	183					Included	Elec/Air	325	62
	SH8S-U6813-E3BX	4	Opp	212					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	75					Included	Power	300	57
	CS8S-U6806-E3BX		Opp	89					Included	Power	300	57
	CS8S-U6807-E3BX	4	Opp	111					Included	Power	300	57
	CS8S-U6809-E3BX	4	Opp	138					Included	Power	275	52
	CS8S-U6812-E3BX	4	Opp	183					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 5	Opp	41		41		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX		Opp	84		84		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Opp	55					Included	Lever	500	95
	828S-U6808-L3CX		Opp	84					Included	Lever	450	85
	828S-U6809-L3CX		Opp	104					Included	Lever	410	78
	828S-U6810-L3CX		Opp	112					Included	Lever	410	78
	828S-U6812-L3CX		Opp	129					Included	Lever	375	71
	828S-U6813-L3CX		Opp	150					Included	Lever	375	71
	828S-U6815-L3CX		Opp	163				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Opp	202				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

model break down

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear.
3 Change TG Series, CS Series, SH Series and RL Series to 6-Bolt PTO housing and TG to U68 input gear (TG6S, CS6S, SH6S and RL6D respectively). Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.
5 Do not use for continuous duty applications.

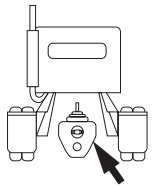
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

TREMEC TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



TR-T100-10D, TR-T145-10D

PTO DRIVE GEAR DATA:
45T 6P 20.5°PA Spur
LOCATION: Rear **PLMF:** 1.085
PLV: 1310 FPM **RPM:** 667

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 5, 6	Opp	45				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 5, 6	Opp	59				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 5, 6	Opp	76				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 5, 6	Opp	90				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 5, 6	Opp	111				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 5, 6	Opp	115				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 5, 6	Opp	141				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 5, 6	Opp	161				23M60032S	Included	Cable	210	40
	TG6S-X6815-C2BH	1, 5, 6	Opp	181				23M60032S	Included	Cable	195	37
	TG6S-X6818-C2BH	1, 5, 6	Opp	215				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	3, 4	Crnk	68		68		23M60032S + 23M60200S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	See Footnote Below						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

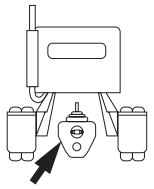
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 For continuous duty applications use 40TU6800 + 23M62000 + 20MK6631 or for clearance use 40TU6855-2. X68 input can be changed to U68 and spacer shown on application is not used.
3 Not for continuous duty applications.
4 RL6D-U6803 with combined reduction gear box is not available in the "2" assembly.
5 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.
6 Direct mount pump interferes unless adapter is used.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



TR-T100-10D, TR-T145-10D

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Front **PLMF:** .731/1.0
PLV: 1310 FPM **RPM:** 667

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C1BX	1, 5	Opp	45				23M80032	Included	Cable	285	54
	TG8S-X6805-C1BX	1, 5	Opp	59				23M80032	Included	Cable	270	51
	TG8S-X6806-C1BX	1, 5	Opp	76				23M80032	Included	Cable	245	47
	TG8S-X6807-C1BX	1, 5	Opp	90				23M80032	Included	Cable	230	44
	TG8S-X6808-C1BX	1, 5	Opp	111				23M80032	Included	Cable	230	44
	TG8S-X6809-C1BX	1, 5	Opp	115				23M80032	Included	Cable	205	39
	TG8S-X6812-C1BH	1, 5	Opp	141				23M80032	Included	Cable	210	40
	TG8S-X6813-C1BH	1, 5	Opp	161				23M80032	Included	Cable	210	40
	TG8S-X6815-C1BH	1, 5	Opp	181				23M80032	Included	Cable	195	37
	TG8S-X6818-C1BH	1, 5	Opp	215				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E1BX		Opp	59					Included	Elec/Air	400	76
	SH8S-U6807-E1BX	5	Opp	87					Included	Elec/Air	400	76
	SH8S-U6809-E1BX	5	Opp	108					Included	Elec/Air	375	71
	SH8S-U6812-E1BX	5	Opp	143					Included	Elec/Air	325	62
	SH8S-U6813-E1BX		Opp	166					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E1BX		Opp	59					Included	Power	300	57
	CS8S-U6806-E1BX		Opp	70					Included	Power	300	57
	CS8S-U6807-E1BX	5	Opp	87					Included	Power	300	57
	CS8S-U6809-E1BX	5	Opp	108					Included	Power	275	52
	CS8S-U6812-E1BX	5	Opp	143					Included	Power	275	5
	CS8S-U6814-E1BX		Opp	179					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	3, 4	Opp	33		33		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	3	Opp	68		68		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L1CX		Opp	41					Included	Lever	500	95
	828S-U6808-L1CX		Opp	66					Included	Lever	450	85
	828S-U6809-L1CX		Opp	82					Included	Lever	410	78
	828S-U6810-L1CX		Opp	88					Included	Lever	410	78
	828S-U6812-L1CX		Opp	101					Included	Lever	375	71
	828S-U6813-L1CX		Opp	117					Included	Lever	375	71
	828S-U6815-L1CX		Opp	128				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L1CX		Opp	158				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

model break down

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

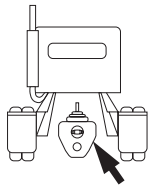
1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Change TG, CS, SH and RL Series to 6-Bolt housing and TG to U68 input gear. 23M60200 + 20MK6603 required for RL on PTO side of adapter.
3 Not for continuous duty applications.
4 RL Series with combined reduction gear box. (“03” Ratio).
5 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20M8808.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING



TR-TO100-10S, TR-TO165-10S

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Rear **PLMF:** 1.080
PLV: 1669 FPM **RPM:** 850

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-X6804-C2BX	1, 3	Opp	57				23M60032S	Included	Cable	285	54
	TG6S-X6805-C2BX	1, 3	Opp	77				23M60032S	Included	Cable	270	51
	TG6S-X6806-C2BX	1, 3	Opp	97				23M60032S	Included	Cable	245	47
	TG6S-X6807-C2BX	1, 3	Opp	115				23M60032S	Included	Cable	230	44
	TG6S-X6808-C2BX	1, 3	Opp	141				23M60032S	Included	Cable	230	44
	TG6S-X6809-C2BX	1, 3	Opp	147				23M60032S	Included	Cable	205	39
	TG6S-X6812-C2BH	1, 3	Opp	181				23M60032S	Included	Cable	210	40
	TG6S-X6813-C2BH	1, 3	Opp	206				23M60032S	Included	Cable	210	40
	TG6S-X6815-C2BH	1, 3	Opp	232				23M60032S	Included	Cable	195	37
	TG6S-X6818-C2BH	1, 3	Opp	274				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		2	No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S: **PTO SERIES & HOUSING DESIGNATOR**
- U68: **GEAR PITCH**
- 07: **INTERNAL RATIO**
- C: **SHIFT OPTIONS** (see page 6)
- 1: **ASSEMBLY ARRANGEMENT** (see page 6)
- B: **OUTPUT SHAFT** (see page 6)
- X: **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 Use 40TU6855-2 or 40TU6800 +23M62000 + 20MK6631 and change the input gear to U68.
3 Optional: X68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

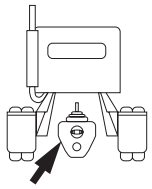
TREMEC TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING

TR-TO100-10S, TR-TO165-10S

PTO DRIVE GEAR DATA:
45T 6P 20°PA Spur
LOCATION: Front **PLMF:**.731/1.00
PLV: 1669 FPM **RPM:** 850



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-X6804-C3BX	1, 5	Opp	57				23M80032	Included	Cable	285	54
	TG8S-X6805-C3BX	1, 5	Opp	77				23M80032	Included	Cable	270	51
	TG8S-X6806-C3BX	1, 5	Opp	97				23M80032	Included	Cable	245	47
	TG8S-X6807-C3BX	1, 5	Opp	115				23M80032	Included	Cable	230	44
	TG8S-X6808-C3BX	1, 5	Opp	141				23M80032	Included	Cable	230	44
	TG8S-X6809-C3BX	1, 5	Opp	147				23M80032	Included	Cable	205	39
	TG8S-X6812-C3BH	1, 5	Opp	181				23M80032	Included	Cable	210	40
	TG8S-X6813-C3BH	1, 5	Opp	206				23M80032	Included	Cable	210	40
	TG8S-X6815-C3BH	1, 5	Opp	232				23M80032	Included	Cable	195	37
	TG8S-X6818-C3BH	1, 5	Opp	274				23M80032	Included	Cable	175	33
SH SERIES	SH8S-U6005-E3BX		Opp	75					Included	Elec/Air	400	76
	SH8S-U6807-E3BX	5	Opp	111					Included	Elec/Air	400	76
	SH8S-U6809-E3BX	5	Opp	138					Included	Elec/Air	375	71
	SH8S-U6812-E3BX	5	Opp	183					Included	Elec/Air	325	62
	SH8S-U6813-E3BX	5	Opp	212					Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-U6005-E3BX		Opp	75					Included	Power	300	57
	CS8S-U6806-E3BX		Opp	89					Included	Power	300	57
	CS8S-U6807-E3BX	5	Opp	111					Included	Power	300	57
	CS8S-U6809-E3BX	5	Opp	138					Included	Power	275	52
	CS8S-U6812-E3BX	5	Opp	183					Included	Power	275	52
1 FWD. 1 REV.	RL8S-U6803-L3BX	2, 6	Opp	41		41		23M80032	Included	Lever	200	38
	RL8S-U6805-L3BX	6	Opp	84		84		23M80032	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6886-1 + 23M80500 + 23M80062 + 20MK8817						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR	828S-U6805-L3CX		Opp	55					Included	Lever	500	95
	828S-U6808-L3CX		Opp	84					Included	Lever	450	85
	828S-U6809-L3CX		Opp	104					Included	Lever	410	78
	828S-U6810-L3CX		Opp	112					Included	Lever	410	78
	828S-U6812-L3CX		Opp	129					Included	Lever	375	71
	828S-U6813-L3CX		Opp	150					Included	Lever	375	71
	828S-U6815-L3CX		Opp	163				(2) 23M80062	Included	Lever	350	67
	828S-U6819-L3CX		Opp	202				23M80248	20MK8817	Lever	300	57
1 FWD. 1 REV.												

model break down

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO** (see pages 6, 7, 8, & 11)
- **SHIFT OPTIONS** (see pages 6, 7, 8, & 11)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, 8, & 11)
- **OUTPUT SHAFT** (see pages 6, 7, 8, & 11)
- **SPECIAL OPTIONS** (see pages 6, 7, 8, & 11)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T96773 — Refer to kit program on pages 27-29.
2 RL Series with combined reduction gear box .
3 Change TG Series, CS Series, SH Series and RL Series to 6-bolt PTO housing and TG to U68 (TG6S, CS6S, SH6S, and RL6D respectively).
Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.
4 83 Series PTOs interfere with spring hanger on vehicles with set back front axles.
5 Optional: X68 & U68 input gear can be replaced by S68 input gear to obtain output speed 92% of speed shown.
Add spacer 23M80190 and stud kit 20MK8808.
6 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

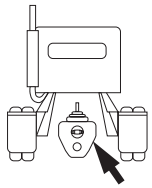
TREMEC TRANSMISSION

RIGHT SIDE ONLY
(BOTTOM OPENING TURN PAGE)

SAE 6-BOLT OPENING

TR-TDO165-18A
TR-TDO185-18A
TR-TDO205-18A
Footnote (2)

PTO DRIVE GEAR DATA:
52T 6P 20°PA Spur
LOCATION: Rear **PLMF:** 1.229
PLV: 1588 FPM **RPM:** 700



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-S6804-C2BX	1	Opp	51				23M60032S	Included	Cable	285	54
	TG6D-S6805-C2BX	1	Opp	66				23M60032S	Included	Cable	270	51
	TG6D-S6806-C2BX	1	Opp	86				23M60032S	Included	Cable	245	47
	TG6D-S6807-C2BX	1	Opp	101				23M60032S	Included	Cable	230	44
	TG6D-S6808-C2BX	1	Opp	124				23M60032S	Included	Cable	230	44
	TG6D-S6809-C2BX	1	Opp	129				23M60032S	Included	Cable	205	39
	TG6D-S6812-C2BH	1	Opp	158				23M60032S	Included	Cable	210	40
	TG6D-S6813-C2BH	1	Opp	180				23M60032S	Included	Cable	210	40
	TG6D-S6815-C2BH	1	Opp	203				23M60032S	Included	Cable	195	37
	TG6D-S6818-C2BH	1	Opp	241				23M60032S	Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	4	Opp	83		83		23M60032S	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION		3	40TU6800 + 23M61500 + 23M60300 + 20MK6629 Change PTO to U68						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

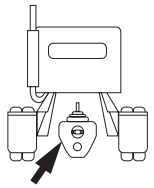
1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
2 Speed shown with “Splitter” in “Hi” range. Multiply speeds shown by .81 when “Splitter” is in “Lo”.
3 Change TG Series to U68 (#03T34284). RL Series add 23M60200S + 20MK6603 on PTO side of adapter.
4 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

TREMEC TRANSMISSION

BOTTOM OPENING ONLY
(RIGHT SIDE TURN PAGE)

SAE 8-BOLT OPENING



TR-TDO165-18A
TR-TDO185-18A
TR-TDO205-18A
Footnote (2)

PTO DRIVE GEAR DATA:
52T 6P 20°PA Spur
LOCATION: Front **PLMF:** .929
PLV: 1588 FPM **RPM:** 700

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8D-S6804-C1BX	1	Opp	51				23M80062	20MK8815	Cable	285	54
	TG8D-S6805-C1BX	1	Opp	66				23M80062	20MK8815	Cable	270	51
	TG8D-S6806-C1BX	1	Opp	86				23M80062	20MK8815	Cable	245	47
	TG8D-S6807-C1BX	1	Opp	101				23M80062	20MK8815	Cable	230	44
	TG8D-S6808-C1BX	1	Opp	124				23M80062	20MK8815	Cable	230	44
	TG8D-S6809-C1BX	1	Opp	129				23M80062	20MK8815	Cable	205	39
	TG8D-S6812-C1BH	1	Opp	158				23M80062	20MK8815	Cable	210	40
	TG8D-S6813-C1BH	1	Opp	180				23M80062	20MK8815	Cable	210	40
	TG8D-S6815-C1BH	1	Opp	203				23M80062	20MK8815	Cable	195	37
	TG8D-S6818-C1BH	1	Opp	241				23M80062	20MK8815	Cable	175	33
SH SERIES	SH8D-S6807-E1BX		Opp	98				23M80062	20MK8815	Elec/Air	400	76
	SH8D-S6809-E1BX		Opp	121				23M80062	20MK8815	Elec/Air	375	71
	SH8D-S6812-E1BX		Opp	161				23M80062	20MK8815	Elec/Air	325	62
	SH8D-S6813-E1BX		Opp	187				23M80062	20MK8815	Elec/Air	325	62
CLUTCH SHIFT	CS8D-S6807-E1BX		Opp	98				23M80062	20MK8815	Power	300	57
	CS8D-S6809-E1BX		Opp	121				23M80062	20MK8815	Power	275	52
	CS8D-S6812-E1BX		Opp	161				23M80062	20MK8815	Power	275	52
1 FWD. 1 REV.	RL6D-U6805-L3BX	3	Opp	83		83	29MK8248	23M80062	20MK8815	Lever	200	38

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see pages 6, 7, & 8)
- **ASSEMBLY ARRANGEMENT** (see pages 6, 7, & 8)
- **OUTPUT SHAFT** (see pages 6, 7, & 8)
- **SPECIAL OPTIONS** (see pages 6, 7, & 8)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

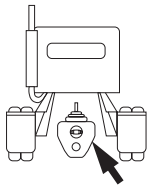
1 TG Series Input Gear: #03T94243 — Refer to kit program on pages 27-29.
2 Speed shown with "Splitter" in "Hi" range. Multiply speeds shown by .81 when "Splitter" is in "Lo".
3 Do not use for continuous duty applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

TOYOTA TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

M150, M151, M155, M153

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

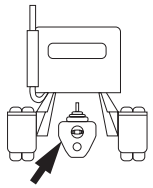
TOYOTA TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



M150, M151, M155, M153

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

PTOS ARE NO LONGER AVAILABLE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

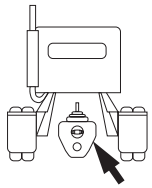
VOLVO TRANSMISSION

REAR ONLY

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



MUNCIE | INTERPUMP HYDRAULICS

R1700, SR1700, VT1414
VT809, VT1309
Footnote (1)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS4S-P86VC-A1CX	1, 2	Crnk	95					199K8020000	Air	332	63
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 18)
ASSEMBLY ARRANGEMENT (see page 18)
OUTPUT SHAFT (see page 18)
SPECIAL OPTIONS (see page 18)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

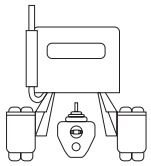
1 SR1700 OR VT1414 speed shown in LO, multiply speed shown by 1.24 for High range.
2 Rear mounted PTO, model shown with 1310 Series companion flange. SAE B pump mount available for pump systems weighing less than 30 lbs. See page 18 in General Information.

VOLVO TRANSMISSION

R1700, SR1700, VT1414
VT809, VT1309

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

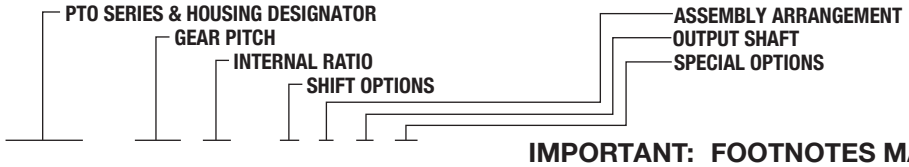
6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN



IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

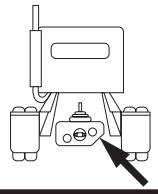
VOLVO TRANSMISSION

REAR ONLY

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



MUNCIE® INTERPUMP HYDRAULICS

R52
Footnote (1)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS4S-P82V4-A1CX	1, 2	Crnk	63					Included	Air	220	42
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 18)
ASSEMBLY ARRANGEMENT (see page 18)
OUTPUT SHAFT (see page 18)
SPECIAL OPTIONS (see page 18)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

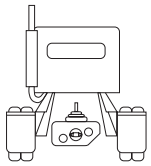
1 Rear mounted PTO.
2 Model shown with 1310 Series companion flange. SAE B pump mount available for pump systems weighing less than 30 lbs. See page 18 in General Information.

VOLVO TRANSMISSION

R52

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see page 6)
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

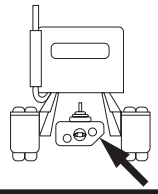
VOLVO TRANSMISSION

REAR ONLY

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



MUNCIE INTERPUMP HYDRAULICS

VT2214B, VT2514B
Footnote (1)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS4S-P86VC-A1CX	1, 2	Crnk	95					199K8020000	Air	332	63
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 18)
ASSEMBLY ARRANGEMENT (see page 18)
OUTPUT SHAFT (see page 18)
SPECIAL OPTIONS (see page 18)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speed shown in LO range, multiply speed shown by 1.24 for HIGH range.
2 Rear mounted PTO, model shown with 1310 Series companion flange. SAE B pump mount available for pump systems weighing less than 30 lbs. See page 18 in General Information.

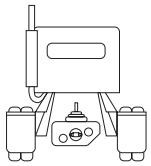
VOLVO TRANSMISSION

MUNCIE

VT2214B, VT2514B

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

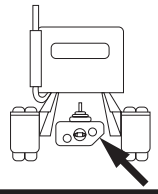
VOLVO TRANSMISSION

REAR ONLY

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



AT2612D, AT2512C, AT2812C, TMD12AD TMD13AD, VT2512C, V12812C
Footnotes (1, 2, 3, & 5)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR	RS4S-P81V8-P1CX	1, 2, 3, 6	Opp	71					199K8030000	Air	442	84
SINGLE SPEED MULTI GEAR	RS4S-P86VM-P1CX	1, 2, 3, 4	Crnk	94					199K8020000	Air	331	63
	RS4S-P86VN-P1CX	1, 2, 3, 4	Crnk	65					199K8020000	Air	368	70
	RS4S-P93VN-P1CX	1, 2, 3, 4, 7	Crnk	65					199K8020000	Air	368	70
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 18)
ASSEMBLY ARRANGEMENT (see page 18)
OUTPUT SHAFT (see page 18)
SPECIAL OPTIONS (see page 18)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

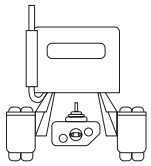
1 Speed shown in Lo range. Multiply speed by 1.27 for Hi range.
2 Rear mounted PTO, model shown with 1310 Series companion flange. Connection to Volvo system is required.
3 For Volvo I-Shift or Mack M-Shift transmission, the chassis needs to be ordered with PTO prep package. PTO shift option "P" to use chassis supplied PTO activation. The vehicle ECU must be programmed by Dealer for PTO operation.
4 For continuous duty applications add lube kit 195KLB37000.
5 Direct mount pump limited to 25 lb. Max weight without support to transmission. See page 18 in General Information.
6 P81 Series is a through shaft PTO and does not offset the output shaft. Direct mount pumps will interfere on P81. Use for driveline applications only.
7 P93 Series PTO has two independently operated outputs in addition to the main input activation to Volvo transmission. Each output has the same speed and rotation as shown. Order activation kit for each separate output, 48TK3928. Add indicator switch 194KSP19000 for each output.

VOLVO TRANSMISSION

AT2612D, AT2512C, AT2812C,
TMD12AD TMD13AD, VT2512C, V12812C

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

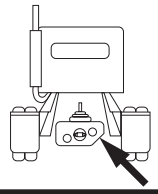
VOLVO TRANSMISSION

REAR ONLY

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



ATO2512C, ATO3112C, ATO2612C, ATO2612D, ATO3112D, TMD12AO TMD13AO, TMD14AO, TMD13AFO-HD, TMD14AFO-HD
Footnotes (1, 2, 3, & 5)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR	RS4S-P81V8-P1CX	1, 2, 3, 6	Opp	88					199K8030000	Air	442	84
SINGLE SPEED MULTI GEAR	RS4S-P86VM-P1CX	1, 2, 3, 4	Crnk	117					199K8020000	Air	331	63
	RS4S-P86VN-P1CX	1, 2, 3, 4	Crnk	81					199K8020000	Air	369	70
	RS4S-P93VN-P1CX	1, 2, 3, 4, 7	Crnk	81					199K8020000	Air	368	70
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE% HI	ENGINE% LO	ENGINE% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

PTO SERIES & HOUSING DESIGNATOR
GEAR PITCH
INTERNAL RATIO
SHIFT OPTIONS (see page 20)
ASSEMBLY ARRANGEMENT (see page 20)
OUTPUT SHAFT (see page 20)
SPECIAL OPTIONS (see page 20)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

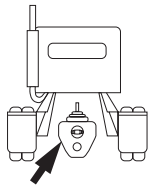
1 Speed shown in Lo range. Multiply speed by 1.27 for Hi range.
2 Rear mounted PTO model shown with 1310 Series companion flange. Connection to Volvo system required.
3 For Volvo I-Shift or Mack M-Shift transmission, the chassis needs to be ordered with PTO prep package. PTO shift option "P" to use chassis supplied PTO activation. The vehicle ECU must be programmed by Dealer for PTO operation.
4 For continuous duty applications add lube kit 195KLB37000.
5 Direct mount pump limited to 25 lb. Max weight without support to transmission. See page 18 in General Information.
6 P81 Series is a through shaft PTO and does not offset the output shaft. Direct mount pumps will interfere on P81. Use for driveline applications only.
7 P93 Series PTO has two independently operated outputs in addition to the main input activation to Volvo transmission. Each output has the same speed and rotation as shown. Order activation kit for each separate output, 48TK3928. Add indicator switch 194KSP19000 for each output.

VOLVO TRANSMISSION

ATO2512C, ATO3112C, ATO2612C, ATO2612D, ATO3112D, TMD12AO TMD13AO, TMD14AO, TMD13AFO-HD, TMD14AFO-HD

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S - PTO SERIES & HOUSING DESIGNATOR
- U68 - GEAR PITCH
- 07 - INTERNAL RATIO
- C - SHIFT OPTIONS
- 1 - ASSEMBLY ARRANGEMENT
- B - OUTPUT SHAFT
- X - SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

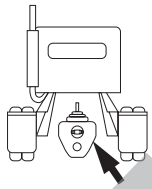
WARNER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

T-18, T-19, T-98A, T-98-1R, T-98-1V
190F (TREMEC)
This transmission will have one PTO aperture.
It may be right or left, but not both.

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
36T 8.0829P 20° PA 30° R.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 532 FPM **RPM:** 395



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-W8009-C2BX	1, 2	Opp	42				23M60270	20MK6603	Cable	205	39
	TG6D-W8012-C2BH	1, 2	Opp	52				23M60270	20MK6603	Cable	210	40
	TG6D-W8013-C2BH	1, 2	Opp	59				23M60270	20MK6603	Cable	210	40
	TG6D-W8015-C2BH	1, 2	Opp	66				23M60270	20MK6603	Cable	195	37
	TG6D-W8018-C2BH	1, 2	Opp	79				23M60270	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — **REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX**

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:
1 TG Series Input Gear: #03T34326 — Refer to kit program on page 27-29.
2 Possible cross member interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

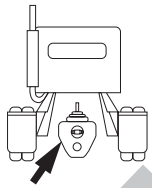
WARNER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

T-18, T-19, T-98A, T-98-1R, T-98-1V
190F (TREMEC)
This transmission will have one PTO aperture.
It may be right or left, but not both.

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
36T 8.0829P 20° PA 30° R.H.
LOCATION: Rear **PLMF:** 1.085
PLV: 532 FPM **RPM:** 395



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-W8009-C4BX	1	Opp	42				23M60270	20MK6603	Cable	205	39
	TG6D-W8012-C4BH	1	Opp	52				23M60270	20MK6603	Cable	210	40
	TG6D-W8013-C4BH	1	Opp	59				23M60270	20MK6603	Cable	210	40
	TG6D-W8015-C4BH	1	Opp	66				23M60270	20MK6603	Cable	195	37
	TG6D-W8018-C4BH	1	Opp	79				23M60270	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34326 — Refer to kit program on pages 27-29.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

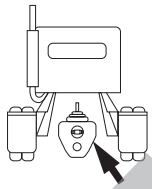
WARNER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

T-18A, T-18C, T-19D
This transmission will have one PTO aperture.
It may be right or left, but not both.

PTO DRIVE GEAR DATA:
32T 8.0829P 20° PA 30° R.H.
LOCATION: Rear **PLMF:** 1.371
PLV: 744 FPM **RPM:** 622



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-W8007-C2BX	1, 2	Opp	47					Included	Cable	230	44
	TG6D-W8008-C2BX	1, 2	Opp	57					Included	Cable	230	44
	TG6D-W8009-C2BX	1, 2	Opp	59					Included	Cable	205	39
	TG6D-W8012-C2BH	1, 2	Opp	72					Included	Cable	210	40
	TG6D-W8013-C2BH	1, 2	Opp	82					Included	Cable	210	40
	TG6D-W8015-C2BH	1, 2	Opp	93					Included	Cable	195	37
	TG6D-W8018-C2BH	1, 2	Opp	111					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34326 — Refer to kit program on pages 27-29.
2 Possible cross member interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

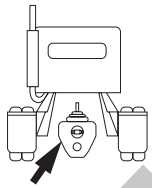
WARNER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

T-18A, T-18C, T-19D
This transmission will have one PTO aperture.
It may be right or left, but not both.

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
32T 8.0829P 20° PA 30° R.H.
LOCATION: Rear **PLMF:** 1.371
PLV: 744 FPM **RPM:** 622



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-W8007-C4BX	1	Opp	47					Included	Cable	230	44
	TG6D-W8008-C4BX	1	Opp	57					Included	Cable	230	44
	TG6D-W8009-C4BX	1	Opp	59					Included	Cable	205	39
	TG6D-W8012-C4BH	1	Opp	72					Included	Cable	210	40
	TG6D-W8013-C4BH	1	Opp	82					Included	Cable	210	40
	TG6D-W8015-C4BH	1	Opp	93					Included	Cable	195	37
	TG6D-W8018-C4BH	1	Opp	111					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34326 — Refer to kit program on pages v.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

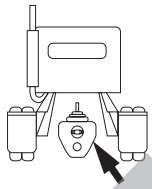
WARNER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

T-18B, T-19A
This transmission will have one PTO aperture.
It may be right or left, but not both.

PTO DRIVE GEAR DATA:
32T 8.0829P 20° PA 30° R.H.
LOCATION: Rear **PLMF:** 1.371
PLV: 693 FPM **RPM:** 579



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-W8007-C2BX	1, 2	Opp	43					Included	Cable	230	44
	TG6D-W8008-C2BX	1, 2	Opp	53					Included	Cable	230	44
	TG6D-W8009-C2BX	1, 2	Opp	55					Included	Cable	205	39
	TG6D-W8012-C2BH	1, 2	Opp	68					Included	Cable	210	40
	TG6D-W8013-C2BH	1, 2	Opp	77					Included	Cable	210	40
	TG6D-W8015-C2BH	1, 2	Opp	87					Included	Cable	195	37
	TG6D-W8018-C2BH	1, 2	Opp	103					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34326 — Refer to kit program on pages 27-29.
2 Possible cross member interference.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

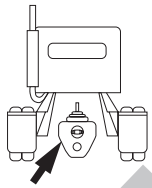
WARNER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

T-18B, T-19A
This transmission will have one PTO aperture. It may be right or left, but not both.

PTO DRIVE GEAR DATA:
32T 8.0829P 20° PA 30° R.H.
LOCATION: Rear **PLMF:** 1.371
PLV: 693 FPM **RPM:** 579



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-W8007-C4BX	1	Opp	43					Included	Cable	230	44
	TG6D-W8008-C4BX	1	Opp	53					Included	Cable	230	44
	TG6D-W8009-C4BX	1	Opp	55					Included	Cable	205	39
	TG6D-W8012-C4BH	1	Opp	68					Included	Cable	210	40
	TG6D-W8013-C4BH	1	Opp	77					Included	Cable	210	40
	TG6D-W8015-C4BH	1	Opp	87					Included	Cable	195	37
	TG6D-W8018-C4BH	1	Opp	103					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34326 — Refer to kit program on pages 27-29.

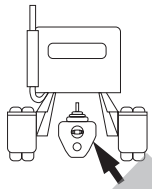
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

WARNER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



T-19A*, T-19C
***For Ford 6.9L Diesel with 4.02 low gear ratio. Multiply PTO speed by 1.27.**

PTO DRIVE GEAR DATA:
32T 8.0829P 20° PA 30° R.H.
LOCATION: Rear **PLMF:** 1.116
PLV: 585 FPM **RPM:** 489

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-W8009-C4BX	1, 2	Opp	47				23M60240S	20MK6603	Cable	205	39
	TG6D-W8012-C4BH	1, 2	Opp	58				23M60240S	20MK6603	Cable	210	40
	TG6D-W8013-C4BH	1, 2	Opp	66				23M60240S	20MK6603	Cable	210	40
	TG6D-W8015-C4BH	1, 2	Opp	74				23M60240S	20MK6603	Cable	195	37
	TG6D-W8018-C4BH	1, 2	Opp	87				23M60240S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34326 — Refer to kit program on pages v.
2 Possible cross member interference. Shaft above arrangement shown.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

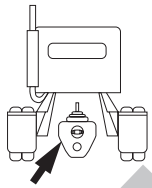
WARNER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

T-19A*, T-19C
***For Ford 6.9L Diesel with 4.02 low gear ratio. Multiply PTO speed by 1.27.**

PTO DRIVE GEAR DATA:
32T 8.0829P 20° PA 30° R.H.
LOCATION: Rear **PLMF:** 1.371
PLV: 585 FPM **RPM:** 489



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6D-W8009-C2BX	1, 2	Opp	47					Included	Cable	205	39
	TG6D-W8012-C2BH	1, 2	Opp	58					Included	Cable	210	40
	TG6D-W8013-C2BH	1, 2	Opp	66					Included	Cable	210	40
	TG6D-W8015-C2BH	1, 2	Opp	74					Included	Cable	195	37
	TG6D-W8018-C2BH	1, 2	Opp	87					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T34326 — Refer to kit program on pages 27-29.
2 Possible cross member interference. Shaft above arrangement shown.

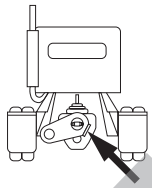
OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

WARNER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING



1356, 1370, 4401, 4470 Transfer Case
Use of a PTO on this transfer case requires using additional fluid. Refer to instruction sheet IN88-02.
Footnotess (1, 3, 4, & 5)

PTO DRIVE GEAR DATA:
57T 9.605P 20° PA 21.6° L.H.
LOCATION: Front **PLMF:** 1.108
PLV: 1670 FPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-W9604-C1BX	2	Crnk	57					Included	Cable	285	54
	TG6S-W9605-C1BX	2	Crnk	74					Included	Cable	270	51
	TG6S-W9606-C1BX	2	Crnk	97					Included	Cable	245	47
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Speed shown with main transmission in direct drive.
2 TG Series Input Gear: #03T35033A / 16MK (Includes special shift cover). Refer to kit program on pages 27-29.
3 Ratios above the "06" interfere with internal casting.
4 Exhaust interference. Check for floorboard clearance.
5 Applications having high duty cycles and continuous cycles require a transmission lube/pump/cooler and a pressure lube option for TG PTO. Order 43MK8205 cooler kit, sold separately.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

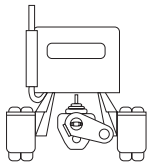
WARNER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



1356, 1370, 4401, 4470 Transfer Case

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

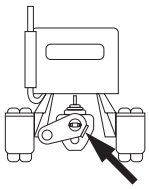
- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

WARNER TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)



MUNCIE

4407 Transfer Case

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
57T 9.61P 20° PA 21.6° L.H.
LOCATION: Front **PLMF:** 1.107
PLV: 1671 FPM **RPM:** 1,000

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

PTOS FOR THIS APPLICATION ARE OUT OF PRODUCTION

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

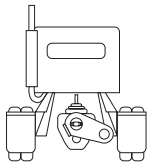
WARNER TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



4407 Transfer Case

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

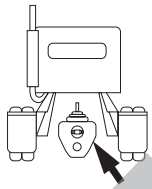
ZED F TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

S5-42
(Close Ratio)
Total Ratio = 4.14 - 0.77
Footnotes (4 & 5)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
41T 10.3673P 20° PA 28° R.H.
LOCATION: Front **PLMF:** 1.195
PLV: 972 FPM **RPM:** 829



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-Z1005-C3BX	1, 2, 3	Opp	42					Included	Cable	270	51
	TG6S-Z1006-C3BX	1, 2, 3	Opp	55					Included	Cable	245	47
	TG6S-Z1007-C3BX	1, 2, 3	Opp	64					Included	Cable	230	44
	TG6S-Z1008-C3BX	1, 2, 3	Opp	79					Included	Cable	230	44
	TG6S-Z1009-C3BX	1, 2, 3	Opp	82					Included	Cable	205	39
	TG6S-Z1012-C3BH	1, 2, 3	Opp	101					Included	Cable	210	40
	TG6S-Z1013-C3BH	1, 2, 3	Opp	115					Included	Cable	210	40
	TG6S-Z1015-C3BH	1, 2, 3	Opp	129					Included	Cable	195	37
	TG6S-Z1018-C3BH	1, 2, 3	Opp	154					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION			No Adapter Available						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T17306A — Refer to kit program on pages 27-29.
2 Shaft above centerline shown for cross member clearance. The exhaust interferes with PTO housing and may require modification per Ford recommendations.
3 Direct mount pump size is limited by the cross member.
4 Refer to vehicle operator's manual for correct transmission fluid specifications.
5 Ford Motor Co., does not recommend the use of light-duty, full size F-Series vehicles for use on stationary continuous duty applications. The use of a transmission cooler is recommended for these applications. Cooler kit 43MK8205 can be purchased separately. Change PTO to pressure lube ("P" special feature code).

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

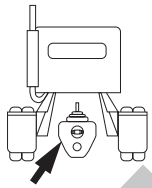
ZED F TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

S5-42
(Close Ratio)
Total Ratio = 4.14 - 0.77
Footnotes (3 & 4)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
41T 10.3673P 20° PA 28° R.H.
LOCATION: Front **PLMF:** 1.195
PLV: 972 FPM **RPM:** 829



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-Z1005-C1BX	1, 2	Opp	42					Included	Cable	270	51
	TG6S-Z1006-C1BX	1, 2	Opp	55					Included	Cable	245	47
	TG6S-Z1007-C1BX	1, 2	Opp	64					Included	Cable	230	44
	TG6S-Z1008-C1BX	1, 2	Opp	79					Included	Cable	230	44
	TG6S-Z1009-C1BX	1, 2	Opp	82					Included	Cable	205	39
	TG6S-Z1012-C1BH	1, 2	Opp	101					Included	Cable	210	40
	TG6S-Z1013-C1BH	1, 2	Opp	115					Included	Cable	210	40
	TG6S-Z1015-C1BH	1, 2	Opp	129					Included	Cable	195	37
	TG6S-Z1018-C1BH	1, 2	Opp	154					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T17306A — Refer to kit program on pages 27-29.
2 Shaft above centerline shown for cross member clearance. The “3” arrangement is used for direct mount pumps because direct mount pump size is limited by the cross member. Recommend PKS-Series with “S” PTO flange option.
3 Refer to vehicle operator’s manual for correct transmission fluid specifications.
4 Ford Motor Co., does not recommend the use of light-duty, full size F-Series vehicles for use on stationary continuous duty applications. The use of a transmission cooler is recommended for these applications. Cooler kit 43MK8205 can be purchased separately. Change PTO to pressure lube (“P” special feature code).
5 Gas tank mounted on inside of frame rails rearward of this opening.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

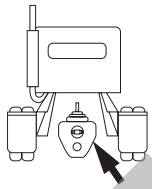
ZED F TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

S5-42, S5-47
(Wide Ratio)
Total Ratio = 5.72 - 0.76
Footnotes (4 & 5)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 9.9608P 20° PA 28.5° R.H.
LOCATION: Front **PLMF:** .8647
PLV: 803 FPM **RPM:** 596



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-Z9905-C3BX	1, 2, 3	Opp	41					Included	Cable	270	51
	TG6S-Z9906-C3BX	1, 2, 3	Opp	53					Included	Cable	245	47
	TG6S-Z9907-C3BX	1, 2, 3	Opp	62					Included	Cable	230	44
	TG6S-Z9908-C3BX	1, 2, 3	Opp	77					Included	Cable	230	44
	TG6S-Z9909-C3BX	1, 2, 3	Opp	80					Included	Cable	205	39
	TG6S-Z9912-C3BH	1, 2, 3	Opp	98					Included	Cable	210	40
	TG6S-Z9913-C3BH	1, 2, 3	Opp	112					Included	Cable	210	40
	TG6S-Z9915-C3BH	1, 2, 3	Opp	126					Included	Cable	195	37
	TG6S-Z9918-C3BH	1, 2, 3	Opp	149					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	6	Crnk	39		39	40TZ9968-1	23M60200S+23M60400	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		7	40TZ9968-1 Change PTO as described in footnote, add 23M60400, 20MK0115.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T17307A — Refer to kit program on pages 27-29.
2 Shaft above centerline shown for cross member clearance. The exhaust interferes with PTO housing and may require modification per Ford recommendations.
3 Direct mount pump size is limited by the cross member.
4 Refer to vehicle operator's manual for correct transmission fluid specifications.
5 Ford Motor Co., does not recommend the use of light-duty, full size F-Series vehicles for use on stationary continuous duty applications. The use of a transmission cooler is recommended for these applications. Cooler kit 43MK8205 can be purchased separately. Change PTO to pressure lube ("P" special feature code).
6 Do not use RL for continuous duty applications.
7 When using adapter to change rotation, multiply speed shown by .76. Change the TG Series to S68 (#03T94243) and "2" assembly and add 23M60200S + 20MK6602. TG Series 18 ratio interferes with adapter and cannot be used.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

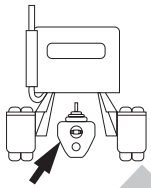
ZED F TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

S5-42, S5-47
(Wide Ratio)
Total Ratio = 5.72 - 0.76
Footnotes (3, 4, & 7)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
45T 9.9608P 20° PA 28.5° R.H.
LOCATION: Front **PLMF:** .8647
PLV: 803 FPM **RPM:** 596



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-Z9905-C1BX	1, 2	Opp	41					Included	Cable	270	51
	TG6S-Z9906-C1BX	1, 2	Opp	53					Included	Cable	245	47
	TG6S-Z9907-C1BX	1, 2	Opp	62					Included	Cable	230	44
	TG6S-Z9908-C1BX	1, 2	Opp	77					Included	Cable	230	44
	TG6S-Z9909-C1BX	1, 2	Opp	80					Included	Cable	205	39
	TG6S-Z9912-C1BH	1, 2	Opp	98					Included	Cable	210	40
	TG6S-Z9913-C1BH	1, 2	Opp	112					Included	Cable	210	40
	TG6S-Z9915-C1BH	1, 2	Opp	126					Included	Cable	195	37
	TG6S-Z9918-C1BH	1, 2	Opp	149					Included	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	2, 5	Crnk	39		39	40TZ9968-2	23M60200S+23M60400	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		6	40TZ9968-2 Change PTO as described in footnote, add 23M60400, 20MK0115.						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T17307A— Refer to kit program on pages 27-29.
2 Shaft above centerline shown for cross member clearance. The "3" arrangement is used for direct mount pumps because direct mount pump size is limited by the cross member. Recommend PKS-Series with "S" PTO flange option.
3 Refer to vehicle operator's manual for correct transmission fluid specifications.
4 Ford Motor Co., does not recommend the use of light-duty, full size F-Series vehicles for use on stationary continuous duty applications. The use of a transmission cooler is recommended for these applications. Cooler kit 43MK8205 can be purchased separately. Change PTO to pressure lube ("P" special feature code).
5 Do not use RL Series for continuous duty applications.
6 When using adapter to change rotation, multiply speed shown by .76. Change the TG Series to S68 (#03T94243) and "4" assembly and add 23M60200S + 20MK6602. TG Series 18 ratio interferes with adapter and cannot be used.
7 Gas tank mounted on inside of frame rails rearward of this opening.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

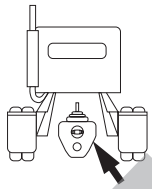
ZED F TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

S5-47 5.08-0.77 RATIO (DIESEL)
Footnotes (5 & 7)

PTO DRIVE GEAR DATA:
43T 9.96P 20°PA 28.5° R.H.
LOCATION: Front **PLMF:** .981
PLV: 867 FPM **RPM:** 674



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-Z9804-C3BX	1, 3,4	Opp	28				23M60200S	20MK6603	Cable	285	54
	TG6S-Z9805-C3BX	1, 3,4	Opp	37				23M60200S	20MK6603	Cable	270	51
	TG6S-Z9806-C3BX	1, 3,4	Opp	48				23M60200S	20MK6603	Cable	245	47
	TG6S-Z9807-C3BX	1, 3,4	Opp	56				23M60200S	20MK6603	Cable	230	44
	TG6S-Z9808-C3BX	1, 3,4	Opp	69				23M60200S	20MK6603	Cable	230	44
	TG6S-Z9809-C3BX	1, 3,4	Opp	72				23M60200S	20MK6603	Cable	205	39
	TG6S-Z9812-C3BH	1, 3,4	Opp	92				23M60200S	20MK6603	Cable	210	40
	TG6S-Z9813-C3BH	1, 3,4	Opp	104				23M60200S	20MK6603	Cable	210	40
	TG6S-Z9815-C3BH	1, 3,4	Opp	117				23M60200S	20MK6603	Cable	195	37
	TG6S-Z9818-C3BH	1, 3,4	Opp	135				23M60200S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	6	Crnk	42		42	40TZ9968-1	(2)23M60200S+23M60062S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TZ9968-1 Change PTO as described in footnote, add 23M60200S + 23M60062S + 20MK0109						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35935A — Refer to kit program on pages 27-29.
2 When using adapter to change rotation. Change the TG Series to S68 (#03T94243) and "2" assembly and add 23M60200S + 20MK6602,multiply TG Series speed shown by .92. TG Series 18 ratio interferes with adapter and cannot be used.
3 Shaft above centerline shown for cross member clearance. The exhaust interferes with PTO and may require modification per Ford recommendations.
4 Direct Mount pump size is limited by cross member.
5 Ford Motor Co., does not recommend the use of light-duty, full size F-Series vehicles for use on stationary continuous duty applications. The use of a transmission cooler is recommended for these applications. Cooler kit 43MK8205 can be purchased separately. Change PTO to pressure lube ("P" special feature code).
6 Do not use RL Series for continuous applications.
7 Refer to vehicle operator's manual for correct transmission fluid applications.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

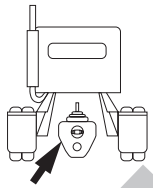
ZED F TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

S5-47 (5.08-0.77 RATIO)
(DIESEL)
Footnotes (5, 7, & 8)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
43T 9.96P 20°PA 28.5° R.H.
LOCATION: Front **PLMF:** .981
PLV: 867 FPM **RPM:** 674



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-Z9804-C1BX	1, 3,4	Opp	28				23M60200S	20MK6603	Cable	285	54
	TG6S-Z9805-C1BX	1, 3,4	Opp	37				23M60200S	20MK6603	Cable	270	51
	TG6S-Z9806-C1BX	1, 3,4	Opp	48				23M60200S	20MK6603	Cable	245	47
	TG6S-Z9807-C1BX	1, 3,4	Opp	56				23M60200S	20MK6603	Cable	230	44
	TG6S-Z9808-C1BX	1, 3,4	Opp	69				23M60200S	20MK6603	Cable	230	44
	TG6S-Z9809-C1BX	1, 3,4	Opp	72				23M60200S	20MK6603	Cable	205	39
	TG6S-Z9812-C1BH	1, 3,4	Opp	92				23M60200S	20MK6603	Cable	210	40
	TG6S-Z9813-C1BH	1, 3,4	Opp	104				23M60200S	20MK6603	Cable	210	40
	TG6S-Z9815-C1BH	1, 3,4	Opp	117				23M60200S	20MK6603	Cable	195	37
	TG6S-Z9818-C1BH	1, 3,4	Opp	135				23M60200S	20MK6603	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.	RL6D-U6805-L2BX	3, 6	Crnk	42		42	40TZ9968-2	(2)23M60200S+23M60062S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION		2	40TZ9968-2 Change PTO as described in footnote. Add 23M60200S + 23M60062S + 20MK0109						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T35935A — Refer to kit program on pages 27-29.
2 When using adapter to change rotation. Change the TG Series to S68 (#03T94243) and "2" assembly and add 23M60200S + 20MK6602, multiply TG Series speed shown by .92. TG Series 18 ratio interferes with adapter and cannot be used.
3 Shaft above centerline shown for cross member clearance.
4 Direct Mount pump size is limited by cross member. Recommended PKS-Series with TG-"S" PTO flange option and "3" arrangement.
5 Ford Motor Co., does not recommend the use of light-duty, full size F-Series vehicles for use on stationary continuous duty applications. The use of a transmission cooler is recommended for these applications. Cooler kit 43MK8205 can be purchased separately. Change PTO to pressure lube ("P" special feature code).
6 Do not use RL Series for continuous applications.
7 Refer to vehicle operator's manual for correct transmission fluid applications.
8 Caution: Gas tank mounted on inside of frame rails rearward of this opening. 4x4 driveshaft interference on this side.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

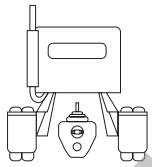
ZED F TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

S6-650 (5.79-0.72 RATIO)
(This Opening Not Available On Ford Chassis)
(2001-2006 GM 3600 CHASSIS USE CHEV-3 APPL.)
Footnote (2)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
39T 9.24P 20°PA 36° R.H.
LOCATION: Front **PLMF:** .934
PLV: 806 FPM **RPM:** 590



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-Z9207-C1BM	1, 4	Opp	52				23M60270	20MK6604	Cable	230	44
	TG6S-Z9208-C1BM	1, 4	Opp	63				23M60270	20MK6604	Cable	230	44
	TG6S-Z9209-C1BM	1, 4	Opp	66				23M60270	20MK6604	Cable	205	39
	TG6S-Z9212-C1BQ	1, 4	Opp	84				23M60270	20MK6604	Cable	210	40
	TG6S-Z9213-C1BQ	1, 4	Opp	96				23M60270	20MK6604	Cable	210	40
	TG6S-Z9215-C1BQ	1, 4	Opp	108				23M60270	20MK6604	Cable	195	37
	TG6S-Z9218-C1BQ	1, 4	Opp	124				23M60270	20MK6604	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		3	40TZ9210-1 Change PTO to Z93						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T37260A — Refer to kit program on pages 27-29.
2 GM requires DEXRON III fluid, refer to vehicle operator's manual for specifications. This transmission is designed for intermittent duty applications. For continuous duty applications, add the pressure lube option to the PTO ("P" special feature code) and use lube pump kit, 43MK8205 for GM, sold separately.
3 Change TG Series Input Gear: #03T37784A (Z93) — Refer to kit program on pages 27-29. Adapter requires derating of application by 30%.
4 Installation of clearance cap (15MK33977) mounted to forward side of PTO.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

ZED F TRANSMISSION

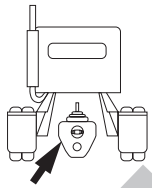
LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

S6-650 (5.79-0.72 RATIO)
1999 THRU 2007 FORD F-SERIES-SUPER DUTY
2001-2006 GM 3600 SILVERADO/SIERRA
2001-2006 GM C4500/C5500

Footnotes (2, 3, & 5)

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:
39T 9.24P 20°PA 36° R.H.
LOCATION: Front **PLMF:** .934
PLV: 806 FPM **RPM:** 590



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-Z9207-C3BM	1, 6	Opp	52				23M60270	20MK6604	Cable	230	44
	TG6S-Z9208-C3BM	1, 6	Opp	63				23M60270	20MK6604	Cable	230	44
	TG6S-Z9209-C3BM	1, 6	Opp	66				23M60270	20MK6604	Cable	205	39
	TG6S-Z9212-C3BQ	1, 6	Opp	84				23M60270	20MK6604	Cable	210	40
	TG6S-Z9213-C3BQ	1, 6	Opp	96				23M60270	20MK6604	Cable	210	40
	TG6S-Z9215-C3BQ	1, 6	Opp	108				23M60270	20MK6604	Cable	195	37
	TG6S-Z9218-C3BQ	1, 6	Opp	124				23M60270	20MK6604	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		4	40TZ9210-2 Change TG to Z93						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 6)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 6)
- B — **OUTPUT SHAFT** (see page 6)
- X — **SPECIAL OPTIONS** (see page 6)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear: #03T37260A — Refer to kit program on pages 27-29.
2 For direct mount pump use “Q” hyd. flange with PH pump or “T” hyd. flange with PF4 Series pump. Note: Other mounting flanges have not been installed successfully. Case modification is required for direct mount pumps per Ford’s Body Builders Book. 2003 Bell housing does not allow pump mounting to the front.
3 The transmission used by FORD requires the use of mineral based transmission oil and those used by GM require DEXRON III fluid, refer to vehicle operator’s manual for specifications. The transmission is designed for intermittent duty applications. For continuous duty applications, add the pressure lube (“P” special feature code) to the PTO and use lube pump kit, 43TK6065P for FORD or 43MK8205 for GM, sold separately.
4 Change TG Series Input Gear: #03T37784A (Z93) — Refer to kit program on pages 27-29. Adapter requires derating of application by 30%, due to gear misalignment.
5 Standard remote driveshaft installations require the 40TZ9210-2 adapter for shaft clearance and are usable on 4x2 chassis only. Change the TG6S to Z93 input gear (03T37784A). Refer to the adapter gear in the index for further information. Adapter requires derating of application by 30%.
6 Installation of clearance cap (15MK33977) mounted to forward side of PTO.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

ZF TRANSMISSION

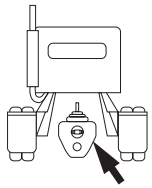
REAR ONLY

METRIC 4-BOLT OPENING

6S-850
Footnote (1)

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:** 530



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS4S-P82Z2-A1CX	1, 2	Crnk	70					199K7190000	Air	220	42
	RS4S-P86Z5-A1CX	1, 2	Crnk	96					199K9150000	Air	258	49
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 18)
- **ASSEMBLY ARRANGEMENT** (see page 18)
- **OUTPUT SHAFT** (see page 18)
- **SPECIAL OPTIONS** (see page 18)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Rear Counter Shaft mount PTO.
For Hyundai/Bering truck chassis with 6S-850 (8.51 1st gear); multiply speeds by .79
For 2007 & later PACCAR vehicles with 6S-850 (6.72 1st gear); speeds as shown.

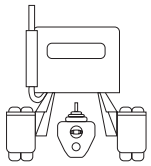
2 Air Shift Only. 1310 Series companion flange. Direct mount pump is not recommended.

ZF TRANSMISSION

6S-850

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

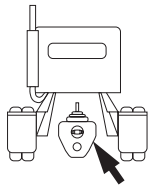
ZF TRANSMISSION

REAR ONLY

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



S5-35

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS4S-P82Z2-A1CX	1, 2	Crnk	69					199K1280000	Air	220	42
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS (see page 18)
- ASSEMBLY ARRANGEMENT (see page 18)
- OUTPUT SHAFT (see page 18)
- SPECIAL OPTIONS (see page 18)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Rear Counter Shaft mount PTO.
2 Air Shift only, 1310 Series companion flange. Direct mount pump is not recommended.

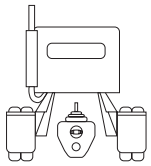
ZF TRANSMISSION

MUNCIE

S5-35

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

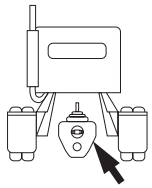
ZF TRANSMISSION

REAR ONLY

METRIC 4-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



9S-75
(13.16 1ST RATIO)

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	RS4S-P86Z4-A1CX	1, 2, 3	Crnk	57			601K5420000		199K7850000	Air	369	70
	RS4S-P86Z3-A1CX	1, 2, 3	Crnk	83			601K5420000		199K7850000	Air	332	63
	RS4S-P86Z2-A1CX	1, 2, 3	Crnk	97			601K5420000		199K7850000	Air	295	56
	RS4S-P86Z1-A1CX	1, 2, 3	Crnk	112			601K5420000		199K7850000	Air	258	49
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

EX: TG 6S - U68 07 - C 1 B X

- TG 6S — **PTO SERIES & HOUSING DESIGNATOR**
- U68 — **GEAR PITCH**
- 07 — **INTERNAL RATIO**
- C — **SHIFT OPTIONS** (see page 18)
- 1 — **ASSEMBLY ARRANGEMENT** (see page 18)
- B — **OUTPUT SHAFT** (see page 18)
- X — **SPECIAL OPTIONS** (see page 18)

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

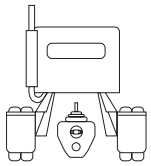
1 Rear Counter Shaft mount PTO,
2 Continuous duty applications require lubrication kit 195KL12F591, sold separately.
3 Air Shift only, 1310 Series companion flange. Direct mount pump is not recommended.

ZF TRANSMISSION

9S-75

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

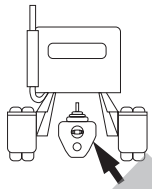
ZF TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

S6-750
(2008 - 2010 - FORD MANUAL)

PTO DRIVE GEAR DATA:

LOCATION: PLMF:
PLV: RPM:



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR												
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

NO PTO OPENING - SEE OTHER SIDE

ADAPTER TO CHANGE ROTATION — No Adapter Available — REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- PTO SERIES & HOUSING DESIGNATOR
- GEAR PITCH
- INTERNAL RATIO
- SHIFT OPTIONS
- ASSEMBLY ARRANGEMENT
- OUTPUT SHAFT
- SPECIAL OPTIONS

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

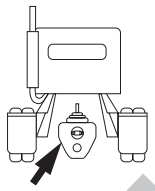
ZF TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

METRIC 6-BOLT OPENING

S6-750
(2008 - 2010 - FORD MANUAL)

PTO DRIVE GEAR DATA:
39T 9.24P 23°PA 36.05° R.H.
LOCATION: Front **PLMF:** 1.085
PLV: 807 FPM **RPM:** 590



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-Z9004-C3BX	1, 2	Opp	26				23M60270	20MK6604	Cable	285	54
	TG6S-Z9005-C3BX	1, 2	Opp	34				23M60270	20MK6604	Cable	270	51
	TG6S-Z9006-C3BX	1, 2	Opp	44				23M60270	20MK6604	Cable	245	47
	TG6S-Z9007-C3BX	1, 2	Opp	52				23M60270	20MK6604	Cable	230	44
	TG6S-Z9008-C3BX	1, 2	Opp	64				23M60270	20MK6604	Cable	230	44
	TG6S-Z9009-C3BX	1, 2	Opp	66				23M60270	20MK6604	Cable	205	29
	TG6S-Z9012-C3BH	1, 2	Opp	81				23M60270	20MK6604	Cable	210	40
	TG6S-Z9013-C3BH	1, 2	Opp	92				23M60270	20MK6604	Cable	210	40
	TG6S-Z9015-C3BH	1, 2	Opp	104				23M60270	20MK6604	Cable	195	37
	TG6S-Z9018-C3BH	1, 2	Opp	124				23M60270	20MK6604	Cable	175	33
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												
ADAPTER TO CHANGE ROTATION		1	40TZ9055-2 Change PTO to Z91 input 03T39482						REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX			

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 6)
- **ASSEMBLY ARRANGEMENT** (see page 6)
- **OUTPUT SHAFT** (see page 6)
- **SPECIAL OPTIONS** (see page 6)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 TG Series Input Gear 03T39491.
2 Transmission requires Ecofluid M type oil (Do Not Use Type H transmission fluid).
3 The 2008 Ford has shown to have some interference issues with the crossover exhaust in front of the PTO opening and the use of the adapter 40TZ9055-2 and TG6S-Z91** Series PTO is suggested. The PTO spacer is not required and the standard stud kit is included with PTO. GAS engine applications have interference to PTO opening by a catalytic converter, the adapter does not help with the GAS interference. Re-routing of the exhaust may be required.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

ZF TRANSMISSION

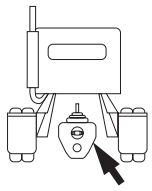
RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

SAE 6-BOLT OPENING

6S-380

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P23Z2-C1BX	1	Opp	104					Included	Cable	132	25
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Standard output is 1000 Series companion flange. “K” hydraulic mount SAE-B option is available.

OBSOLESCENCE NOTICE: PTO Model Number options with and asterisk and in italics are obsolete. Input gears will be available as service parts only, until inventory is depleted.

ZF TRANSMISSION

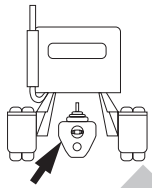
LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

6S-380

SAE 6-BOLT OPENING

PTO DRIVE GEAR DATA:

LOCATION: **PLMF:**
PLV: **RPM:**



CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	HC6S-P22Z3-C3BX	1	Opp	115					Included	Cable	132	25
SH SERIES												
CLUTCH SHIFT												
1 FWD. 1 REV.												

ADAPTER TO CHANGE ROTATION		No Adapter Available	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												

MODEL BREAK DOWN

- **PTO SERIES & HOUSING DESIGNATOR**
- **GEAR PITCH**
- **INTERNAL RATIO**
- **SHIFT OPTIONS** (see page 24)
- **ASSEMBLY ARRANGEMENT** (see page 24)
- **OUTPUT SHAFT** (see page 24)
- **SPECIAL OPTIONS** (see page 24)

EX: TG 6S - U68 07 - C 1 B X

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

1 Standard output is 1000 Series companion flange. “K” hydraulic mount SAE-B option is available.

OBSOLESCENCE NOTICE: PTO Model Number options grayed out are obsolete. Input gears will be available as service parts only, until inventory is depleted.

OBSOLETE

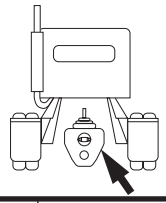
ZED F TRANSMISSION

RIGHT SIDE ONLY
(LEFT SIDE TURN PAGE)

ZF 8-BOLT OPENING

POWERLINE
PACCAR TX8
Footnotes (2, 3, 4, & 5)

PTO DRIVE GEAR DATA:
51T 9.42P 20ºPA 22.0º R.H.
LOCATION: Front **PLMF:** 3.891
PLV: 1417 FPM **RPM:** 1,000



8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
CLUTCH SHIFT	P58-Z1110-XX52IBX	1	Crnk	121					Included	Air	420	80
	P58-Z1107-XX52IBX	1	Crnk	92					Included	Air	331	63
	P60-Z1110-XX52IBX	1	Crnk	121					Included	Air	258	49

FOOTNOTES:
1 P58 Series available as pneumatic shift only
2 Chassis must be ordered with correct PTO prep codes.
3 Connection to chassis "PTO ENGAGED SIGNAL" circuit must be made when PTO is engaged. Contact dealer for connection type and location.
4 Truck must be ordered with correct exhaust package for the PTO clearance. Contact dealer for details.
5 PTO operation permitted only in stationary or crawl modes.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

Pump Selection Example:
a. First you need to know the flow and pressure requirement of your application.
b. Next find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
c. If your system required 8 GPM to operate. Then you would look for 8 GPM in the columns. Finding the first one under the pump PH1-07 would give you a pump which will deliver the 8 GPM you require at an engine speed of 1,000 RPM. You would also get 8 GPM if you select the PH1-05 pump, but you would need to operate the engine at 1,300 RPM.
d. After you have selected the Pump Series and size the complete pump model number can be ordered.

The PH Series would follow PH1--02BSBR-S for "BB" output option. PK Series would follow PK1-**-02BSBB-S for "BB" output option.**

MODEL P58-Z1110-XX5BB*X or P60-Z1110-XX5BB*X (PTO OUTPUT "BB") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

NOTE: PUMP P/N PH1--02BSBR-S**

	PH1-11 *2.48 cu. in./Rev*		PH1-09 *2.17 cu. in./Rev*		PH1-08 *1.86 cu. in./Rev*		PH1-07 *1.55 cu. in./Rev*		PH1-05 *1.24 cu. in./Rev*		PH1-03 *0.62 cu. in./Rev*	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	11.7	2,500	10.2	2,900	8.8	3,250	7.3	3,500	5.8	3,500	2.9	3,500
1,000	13.0	2,500	11.4	2,900	9.7	3,250	8.1	3,500	6.5	3,500	3.2	3,500
1,100	14.3	2,500	12.5	2,900	10.7	3,250	8.9	3,500	7.1	3,500	3.6	3,500
1,200	15.6	2,500	13.6	2,900	11.7	3,250	9.7	3,500	7.8	3,500	3.9	3,500
1,300	16.9	2,500	14.8	2,900	12.7	3,250	10.6	3,500	8.4	3,500	4.2	3,500
1,400	18.2	2,500	15.9	2,900	13.6	3,250	11.4	3,500	9.1	3,500	4.5	3,500
1,500	19.5	2,500	17.1	2,900	14.6	3,250	12.2	3,500	9.7	3,500	4.9	3,500
1,600	20.8	2,500	18.2	2,900	15.6	3,250	13.0	3,500	10.4	3,500	5.2	3,500
1,700	22.1	2,500	19.3	2,900	16.6	3,250	13.8	3,500	11.0	3,500	5.5	3,500
1,800	23.4	2,500	20.5	2,900	17.5	3,250	14.6	3,500	11.7	3,500	5.8	3,500
1,900	24.7	2,500	21.6	2,900	18.5	3,250	15.4	3,500	12.3	3,500	6.2	3,500
2,000	26.0	2,500	22.7	2,900	19.5	3,250	16.2	3,500	13.0	3,500	6.5	3,500

MODEL P58-Z1110-XX5BB*X or P60-Z1110-XXX5BB*X (PTO OUTPUT "BB") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

NOTE: PUMP P/N PK1--02BSBB-S**

	PK1-17 *3.94 cu. in./Rev*		PK1-15 *3.45 cu. in./Rev*		PK1-13 *2.96 cu. in./Rev*		PK1-11 *2.46 cu. in./Rev*		PK1-08 *1.97 cu. in./Rev*		PK1-06 *1.47 cu. in./Rev*	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	18.6	2,500	16.3	2,500	14.0	3,000	11.6	3,000	9.3	3,000	6.9	3,000
1,000	20.6	2,500	18.1	2,500	15.5	3,000	12.9	3,000	10.3	3,000	7.7	3,000
1,100	22.7	2,500	19.9	2,500	17.1	3,000	14.2	3,000	11.4	3,000	8.5	3,000
1,200	24.8	2,500	21.7	2,500	18.6	3,000	15.5	3,000	12.4	3,000	9.2	3,000
1,300	26.8	2,500	23.5	2,500	20.2	3,000	16.8	3,000	13.4	3,000	10.0	3,000
1,400	28.9	2,500	25.3	2,500	21.7	3,000	18.0	3,000	14.4	3,000	10.8	3,000
1,500	31.0	2,500	27.1	2,500	23.3	3,000	19.3	3,000	15.5	3,000	11.6	3,000
1,600	33.0	2,500	28.9	2,500	24.8	3,000	20.6	3,000	16.5	3,000	12.3	3,000
1,700	35.1	2,500	30.7	2,500	26.4	3,000	21.9	3,000	17.5	3,000	13.1	3,000
1,800	37.1	2,500	32.5	2,500	27.9	3,000	23.2	3,000	18.6	3,000	13.9	3,000
1,900	39.2	2,500	34.3	2,500	29.5	3,000	24.5	3,000	19.6	3,000	14.6	3,000
2,000	41.3	2,500	36.1	2,500	31.0	3,000	25.8	3,000	20.6	3,000	15.4	3,000

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 121% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.21 = 1,694 RPM PTO

A 7 GPM pump (like the PH1-07) would deliver a theoretical output flow of: Disp. × RPM/231

1.55 × 1,694/231 = 11.4 GPM

PK Series requires pump support bracket. Use PK1--02BSBB-S which includes extended studs on pump.**

*** Theoretical Flow Shown.** **Speed shown for pump at 0 in.Hg. vacuum.**

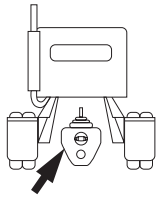
ZED F TRANSMISSION

LEFT SIDE ONLY
(RIGHT SIDE TURN PAGE)

ZF 8-BOLT OPENING

POWERLINE
PACCAR TX8
Footnotes (2, 3, & 4)

PTO DRIVE GEAR DATA:
51T 9.42P 20°PA 22.0° R.H.
LOCATION: Front **PLMF:** 3.891
PLV: 1417 FPM **RPM:** 1,000



8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE % HI	ENGINE % LO	ENGINE % REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO TORQUE	INTERMITTENT RATING @ 1,000 RPM OF PTO HP
CLUTCH SHIFT	P58-Z1110-XX52IPX	1	Crnk	121					Included	Air	420	80
	P58-Z1107-XX52IPX	1	Crnk	92					Included	Air	331	63
	P60-Z1110-XX52IPX	1	Crnk	121					Included	Air	258	49

FOOTNOTES:
1 P58 Series available as pneumatic shift only.
2 Chassis must be ordered with correct PTO prep codes.
3 Connection to chassis "PTO ENGAGED SIGNAL" circuit must be made when PTO is engaged. Contact dealer for connection type and location.
4 PTO operation permitted only in stationary or crawl modes.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

Pump Selection Example:

a. First you need to know the flow and pressure requirement of your application.
b. Next find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
c. If your system requires 8 GPM to operate, then you would look for 8 GPM in the columns. Finding the first one under the pump PH1-07 would give you a pump which will deliver the 8 GPM you require at an engine speed of 1,000 RPM. You would also get 8 GPM if you select the PH1-05 pump, but you would need to operate the engine at 1,300 RPM.
d. After you have selected the Pump Series and size the complete pump model number can be ordered.

The PH Series would follow PH1--02BSBR-S for "BB" output option. PK Series would follow PK1-**-02BSBB-S for "BB" output option.**

MODEL P58-Z1110-XX5BB*X or P60-Z1110-XX5BB*X (PTO OUTPUT "BB") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

NOTE: PUMP P/N PH1--02BSBR-S**

	PH1-11 *2.48 cu. in./Rev*		PH1-09 *2.17 cu. in./Rev*		PH1-08 *1.86 cu. in./Rev*		PH1-07 *1.55 cu. in./Rev*		PH1-05 *1.24 cu. in./Rev*		PH1-03 *0.62 cu. in./Rev*	
ENGINE SPEED	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	11.7	2,500	10.2	2,900	8.8	3,250	7.3	3,500	5.8	3,500	2.9	3,500
1,000	13.0	2,500	11.4	2,900	9.7	3,250	8.1	3,500	6.5	3,500	3.2	3,500
1,100	14.3	2,500	12.5	2,900	10.7	3,250	8.9	3,500	7.1	3,500	3.6	3,500
1,200	15.6	2,500	13.6	2,900	11.7	3,250	9.7	3,500	7.8	3,500	3.9	3,500
1,300	16.9	2,500	14.8	2,900	12.7	3,250	10.6	3,500	8.4	3,500	4.2	3,500
1,400	18.2	2,500	15.9	2,900	13.6	3,250	11.4	3,500	9.1	3,500	4.5	3,500
1,500	19.5	2,500	17.1	2,900	14.6	3,250	12.2	3,500	9.7	3,500	4.9	3,500
1,600	20.8	2,500	18.2	2,900	15.6	3,250	13.0	3,500	10.4	3,500	5.2	3,500
1,700	22.1	2,500	19.3	2,900	16.6	3,250	13.8	3,500	11.0	3,500	5.5	3,500
1,800	23.4	2,500	20.5	2,900	17.5	3,250	14.6	3,500	11.7	3,500	5.8	3,500
1,900	24.7	2,500	21.6	2,900	18.5	3,250	15.4	3,500	12.3	3,500	6.2	3,500
2,000	26.0	2,500	22.7	2,900	19.5	3,250	16.2	3,500	13.0	3,500	6.5	3,500

MODEL P58-Z1110-XXBB*X or P60-Z1110-XX5BB*X (PTO OUTPUT "BB") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

NOTE: PUMP P/N PK1--02BSBB**

	PK1-17 *3.94 cu. in./Rev*		PK1-15 *3.45 cu. in./Rev*		PK1-13 *2.96 cu. in./Rev*		PK1-11 *2.46 cu. in./Rev*		PK1-08 *1.97 cu. in./Rev*		PK1-06 *1.47 cu. in./Rev*	
ENGINE SPEED	GPM PSI	MAX.	GPM	MAX. PSI	GPM	MAX. PSI	GPM PSI	MAX.	GPM PSI	MAX.	GPM	MAX. PSI
900	18.6	2,500	16.3	2,500	14.0	3,000	11.6	3,000	9.3	3,000	6.9	3,000
1,000	20.6	2,500	18.1	2,500	15.5	3,000	12.9	3,000	10.3	3,000	7.7	3,000
1,100	22.7	2,500	19.9	2,500	17.1	3,000	14.2	3,000	11.4	3,000	8.5	3,000
1,200	24.8	2,500	21.7	2,500	18.6	3,000	15.5	3,000	12.4	3,000	9.2	3,000
1,300	26.8	2,500	23.5	2,500	20.2	3,000	16.8	3,000	13.4	3,000	10.0	3,000
1,400	28.9	2,500	25.3	2,500	21.7	3,000	18.0	3,000	14.4	3,000	10.8	3,000
1,500	31.0	2,500	27.1	2,500	23.3	3,000	19.3	3,000	15.5	3,000	11.6	3,000
1,600	33.0	2,500	28.9	2,500	24.8	3,000	20.6	3,000	16.5	3,000	12.3	3,000
1,700	35.1	2,500	30.7	2,500	26.4	3,000	21.9	3,000	17.5	3,000	13.1	3,000
1,800	37.1	2,500	32.5	2,500	27.9	3,000	23.2	3,000	18.6	3,000	13.9	3,000
1,900	39.2	2,500	34.3	2,500	29.5	3,000	24.5	3,000	19.6	3,000	14.6	3,000
2,000	41.3	2,500	36.1	2,500	31.0	3,000	25.8	3,000	20.6	3,000	15.4	3,000

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 121% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.21 = 1,694 RPM PTO

A 7 GPM pump (like the PH1-07) would deliver a theoretical output flow of: Disp. × RPM/231

1.55 × 1,694/231 = 11.4 GPM

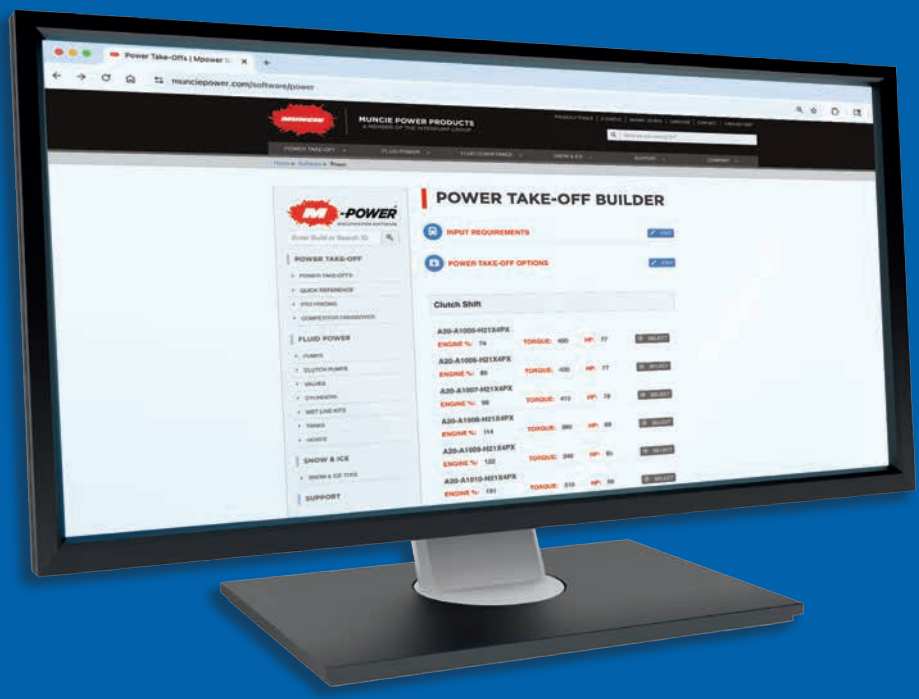
PK Series requires pump support bracket. Use PK1--02BSBB-S which includes extended studs on pump.**

*** Theoretical Flow Shown.** **Speed shown for pump at 0 in.Hg. vacuum.**

NOTES

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PTO QUICK REFERENCE CATALOG



Our PTO Quick Reference Catalog is a resource tool for information on all our PTOs. This catalog is also available online through the M-Power Specification Software, featuring the most up-to-date information.

Access the M-Power Specification Software and start configuring your products.

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