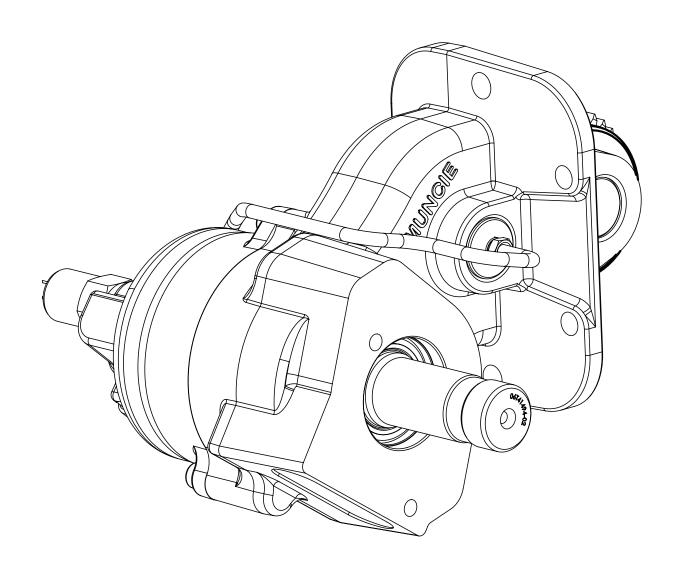


FR66 SERIES POWER TAKE-OFF

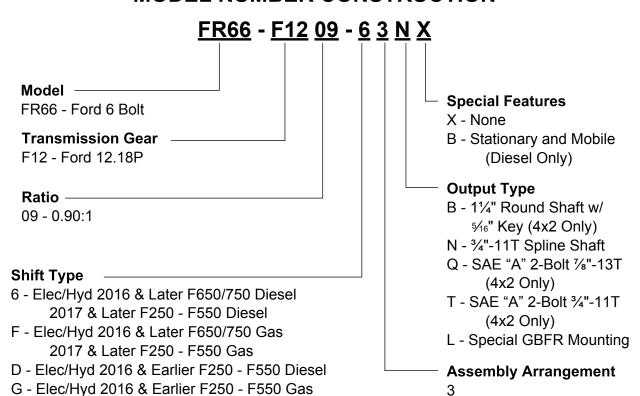
PARTS LIST AND SERVICE MANUAL

NOTE: FOR UNITS BUILT AFTER JUNE 2013



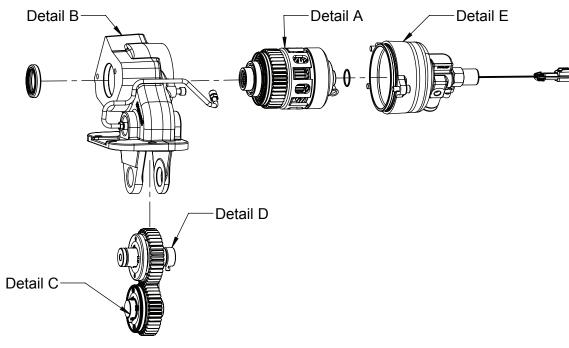
Muncie Power Products, Inc.

MODEL NUMBER CONSTRUCTION



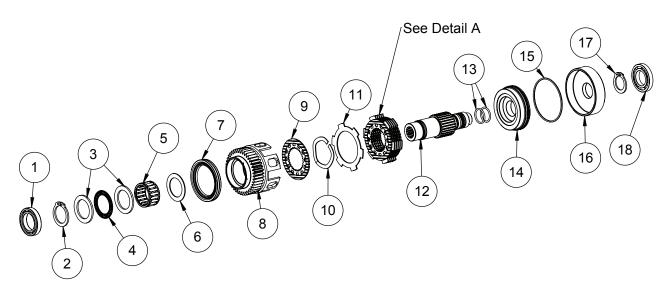
FR66 EXPLODED VIEW

R - Special (Wiring Harness - 34T41141)



Other FR66 Literature				
IN10-01 Installation and Operator's Manual				
MP15-08 Specifications Brochure				
SP10-06 Service Parts for units built prior to 6/2013				
i3179	Supplement instruction for IN10-01			

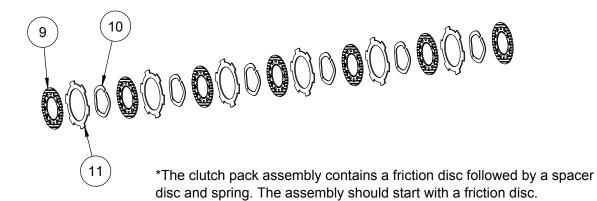
Detail A - Output Shaft Assembly



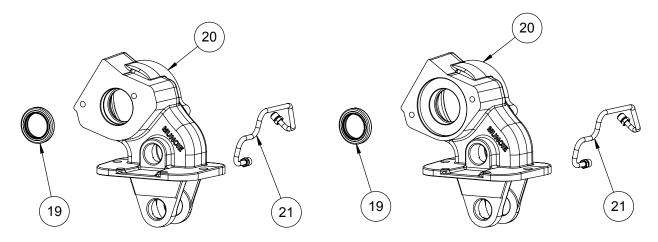
ITEM	QTY	PART NO.	DESCRIPTION
1	1	10T39147	Bearing
2	1	24T35480	Retaining Ring
3	2	21T29017	Thrust Washer
4	1	10T37009	Thrust Bearing
5	1	10T37008	Needle Bearing
6	1	21T37085	Thrust Washer
7	1	11T41953	Seal - "D", "R", "6"
8	1	02TA5231	Output Gear
9	7	49T36259	Friction Disc
10	6	27T36286	Wave Spring
11	6	49T36258	Spacer Disc

ITEM	QTY	PART NO. DESCRIPTION		
12	1	06T41494	Output Shaft - "B"	
	1	06T41493	Output Shaft - "N", "T"	
	1	06T39183	Output Shaft - "Q", "L"	
13	2	12T39023	O-Ring	
14	1	49T38881	Piston	
15	1	12T36540	O-Ring	
16	1	49T39022	Piston Cup	
17	1	24T39182	Retaining Ring	
18	1	10T39072	Bearing	
N.S.	1	26T01627	Woodruff Key - "B"	
N.S.	1	25T37387	Cap Plug	

Detail A - Output Shaft Assembly



Detail B - PTO Housing

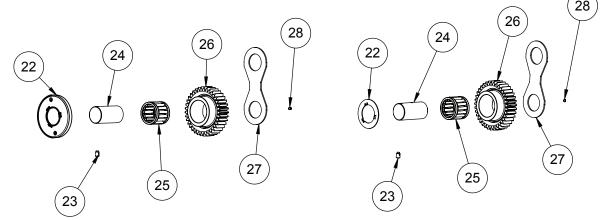


"B", "N", Output

"Q", "T" Output

ITEM	QTY	PART NO.	DESCRIPTION
19	1	11T37790	Shaft Seal
20	1	01T41944	Housing - "B", "N", "L"
	1	01T42758	Housing - "Q", "T"
21	1	43T42664	Tubing Assembly

Detail C - Input Shaft Assembly

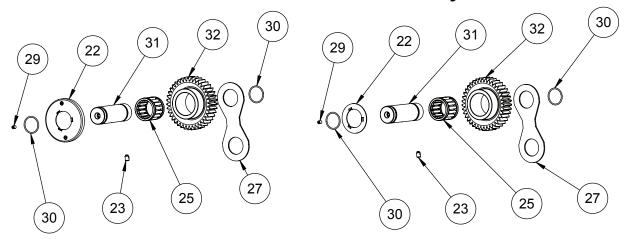


"D", "R", "6" Shift Option Input Shaft

"G", "F" Shift Option Input Shaft

ITEM	QTY	PART NO.	DESCRIPTION	
22	2	49TA5304	Drag Seal - "D", "R", "6"	
	2	21T43348	Thrust Washer - "G", "F"	
23	2	19T34789	Set Screw	
24	1	07T42755	Input Shaft	
25	2	10T39145	Bearing	
26	1	03T41958	Input Gear	
27	1	10T42016	Thrust Plate	
28	1	25T41375	Plug	

Detail D - Idler Shaft Assembly

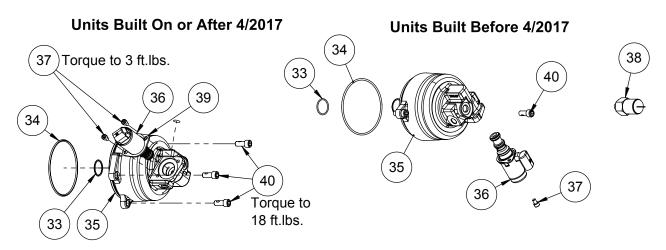


"D", "R", "6" Idler Shaft Assembly

"G", "F" Idler Shaft Assembly

ITEM	QTY	PART NO.	DESCRIPTION	
22	2	49TA5304	Drag Seal - "D", "R", "6"	
	2	21T43348	Thrust Washer - "G", "F"	
23	2	19T34789	Set Screw	
25	2	10T39145	Bearing	
27	1	10T42016	Thrust Plate	
29	1	43T42757	Orifice	
30	2	12T35577	O-Ring	
31	1	08T42756	Idler Shaft	
32	1	04T41957	ldler Gear	

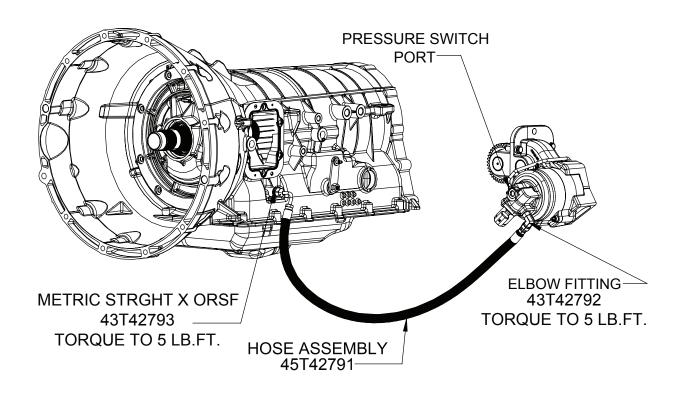
Detail E - Rear Cover Assembly



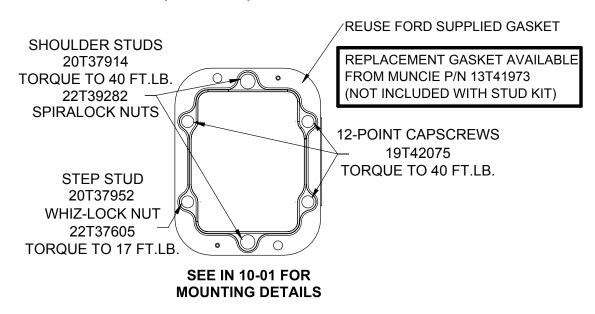
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION
33	1	12T36280	O-Ring	37	2	19T62950	Capscrew (current)
34	1	12T36863	O-Ring		2	19T40859	Capscrew (pre 4/2017)
35	1	15T62484	Cover (current)	38	1	30T60223	Pressure Switch - "D", "R", "6"
	1	15T42720	Cover (pre 4/2017)		1	30T60228	Pressure Switch - "G", "F"
36	1	35T43600	Solenoid (current)	39	1	49T62436	Valve Retaining Ring
	1	35T40860	Solenoid (pre 4/2017)	40	3	19T35237	Capscrew

FR66 INSTALLATION KITS

FR66 Electric/Hydraulic Shift System - Activation Kit Common Componentry

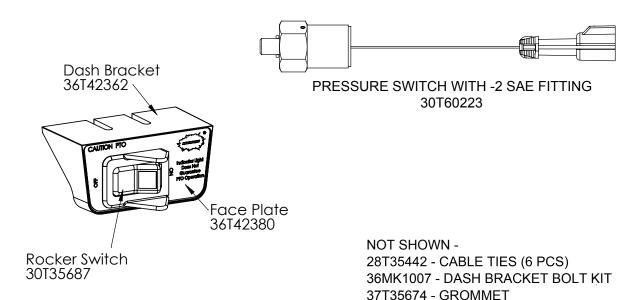


Stud Kit (20TK5215) Installation Details



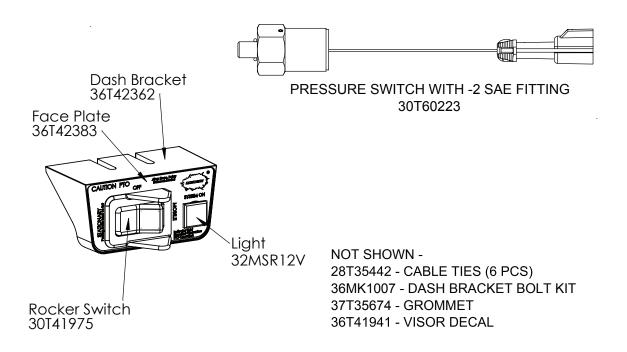
ACTIVATION KIT - STATIONARY OR MOBILE

43TK5209 - Elec/Hyd Shift System "DX" 48TK5684 - Elec/Hyd Shift System "6X"



ACTIVATION KIT – STATIONARY AND MOBILE

43TK5247 - Elec/Hyd Shift System "DB" 48TK5682 - Elec/Hyd Shift System "6B"

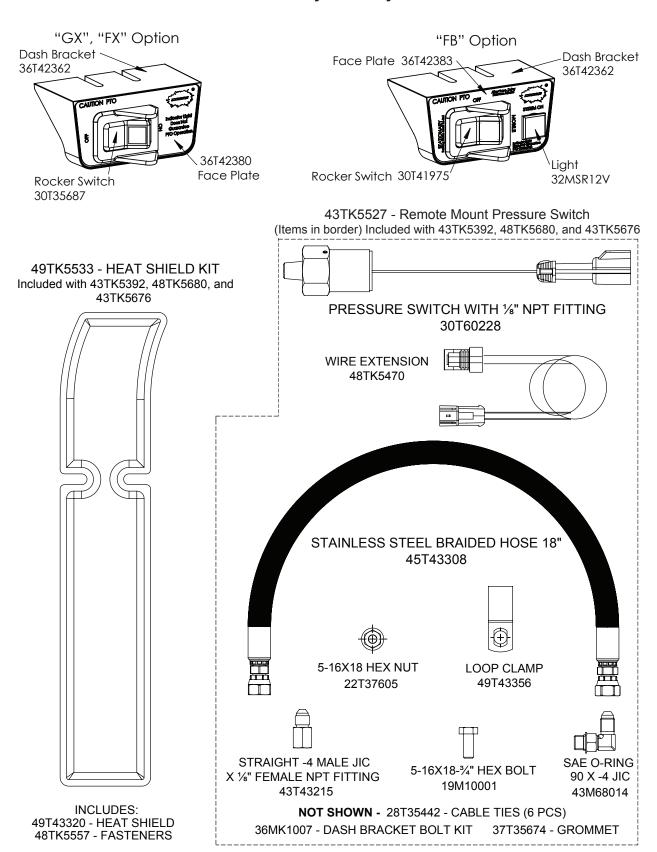


ACTIVATION KIT - STATIONARY OR MOBILE

43TK5392 - Elec/Hyd Shift System "GX" 48TK5680 - Elec/Hyd Shift System "FX"

ACTIVATION KIT – STATIONARY AND MOBILE

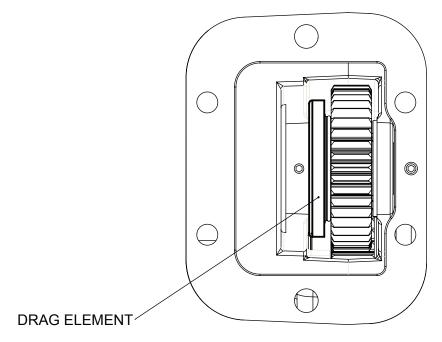
43TK5676 - Elec/Hyd Shift System "FB"



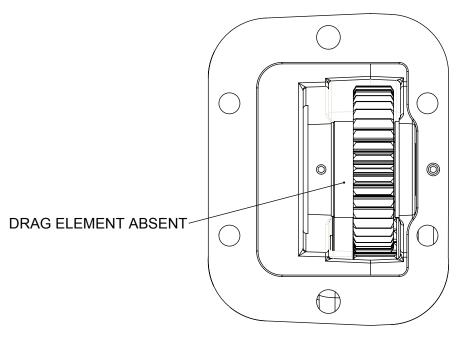
Replacement Wiring Harness P/Ns						
PTO Shift Code	Wiring Harness P/N	Application	Mode			
D3*X	34T41671	2016 & Earlier F250-550 Diesel	Stationary OR Mobile			
D3*B	34T41940	2016 & Earlier F250-550 Diesel	Stationary AND Mobile			
G3*X	34T43359	2011-2015 F650 Gas	Stationary ONLY			
63*X	34T43730	2017 & Later F250 - 750 Diesel	Stationary OR Mobile			
F3*X	34T43735	2017 & Later F250 - 550 Gas 2016 & Later F650/750 Gas	Stationary OR Mobile			
63*B	34T43740	2017 & Later F250 - 750 Diesel	Stationary AND Mobile			
F3*B	34T43745	2017 & Later F250 - 550 Gas 2016 & Later F650/750 Gas	Stationary AND Mobile			

FOR WIRING INSTRUCTIONS REFER TO IN10-01

HOW TO TELL THE DIFFERENCE BETWEEN GAS AND DIESEL



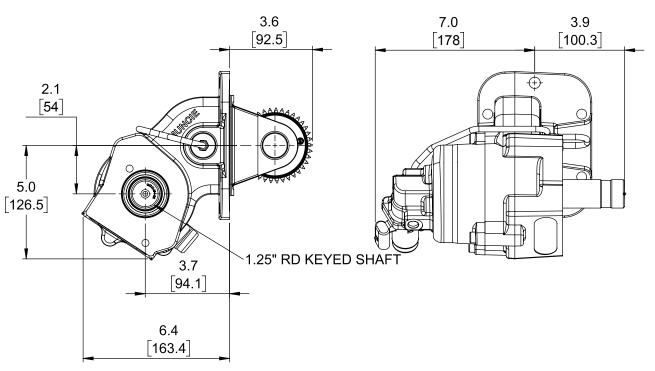
"D" OR "6" SHIFT OPTION



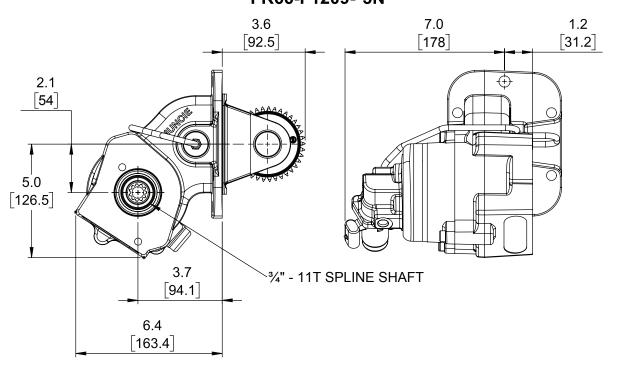
"G" OR "F" SHIFT OPTION

DIMENSIONS/OUTPUT TYPES

FR66-F1209-*3B*

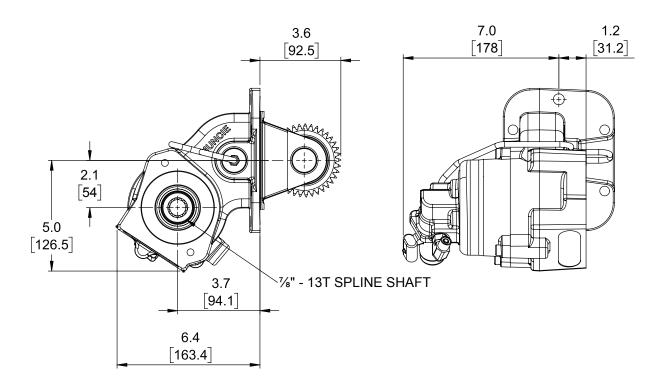


FR66-F1209-*3N*



DIMENSIONS/OUTPUT TYPES

FR66-F1209-*3Q*



FR66-F1209-*3T*

