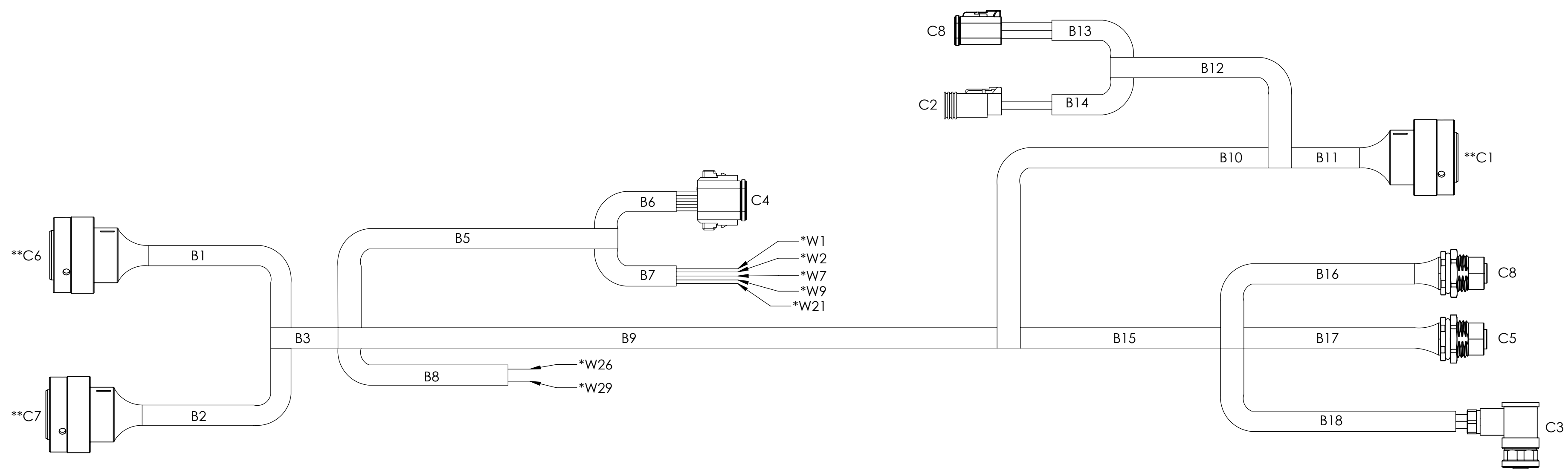


REVISIONS					
REV.	ZONE	DESCRIPTION	ECN/ERN	DATE	BY



Branch ID	Branch Length(IN)
B1	8
B2	8
B3	4
B5	180
B6	48
B7	18
B8	84
B9	6
B10	114
B11	12
B12	12
B13	96
B14	96
B15	240
B16	102
B17	102
B18	90

- Notes:
- 1) All branches to be wrapped in Tesa 51036 tape or Nylon Wrapped.
 - 2) All braches with connector leave 1" of wire exposed before connector
 - 3) All splices ("S") to be soldered or sonic welded and covered in 2" of adhesive heatshrink
 - 4) * Leave 6" exposed on W1, W2, W7, W9, W21, W26, and W29
 - 5) ** Cover back side of connector with 4 inches of Adhesive Line heatshrink digikey P/N: Q670-ND or similar

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN	NSZ 03/29/24
2 PLACE DECIMAL ±0.030	CHECKED	BM 03/29/24
3 PLACE DECIMAL ±0.010 EXCEPT DRILLED HOLES	ENG APPR.	KW 03/29/24
BREAK SHARP CORNERS	COMMENTS:	-
ALL FILLETS AND RADII 0.12 R.		
FINISH 125/		
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5		
MATERIAL -		
THIRD ANGLE PROJECTION	SIMILAR TO:	

Muncie Power Products, Inc.

INDOT Tow Plow Body Harness

SIZE DWG. NO. REV
CAPWH149A 00

SCALE: N/A WEIGHT: N/A SHEET 1 OF 2

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Wire Number	Wire Label	Wire Color	Wire Gauge	Wire Type	Wire length(IN)	Source Connection	Source Connector P/N	Source Connector Manufacturer	Source Pin Location	Source Pin P/N	Destination Connection	Destination Connector P/N	Destination Connector Manufacturer	Destination Pin Location	Destination Pin P/N
W1	+12 Volt Battery	Red	10	GXL	240	C6	HDP26-24-91SN-P064	Deutsch	1	0462-203-08141	Blunt Cut	-	-	-	-
W2	Battery Ground	Black	10	GXL	240	C6	HDP26-24-91SN-P064	Deutsch	3	0462-203-08141	Blunt Cut	-	-	-	-
W3	Controller Power	Red	16	GXL	240	C6	HDP26-24-91SN-P064	Deutsch	5	0462-201-16141	C4	DT06-08SA	Deutsch	1	0462-201-16141
W4	Controller Ground	Black	16	GXL	240	C6	HDP26-24-91SN-P064	Deutsch	6	0462-201-16141	C4	DT06-08SA	Deutsch	2	0462-201-16141
W5	Controller CAN-HI	White	16	GXL	240	C6	HDP26-24-91SN-P064	Deutsch	8	0462-201-16141	C4	DT06-08SA	Deutsch	3	0462-201-16141
W6	Controller CAN-LO	Green	16	GXL	240	C6	HDP26-24-91SN-P064	Deutsch	9	0462-201-16141	C4	DT06-08SA	Deutsch	4	0462-201-16141
W7	Ignition	Yellow	16	GXL	240	C7	HDP26-24-21SN	Deutsch	A	0462-201-16141	Blunt Cut	-	-	-	-
W8	Aux Module Power	Red	12	GXL	144	C7	HDP26-24-21SN	Deutsch	B	0462-203-12141	C1	HDP26-24-19SN	Deutsch	8	0462-203-12141
W9	Speedometer	Pink	16	GXL	240	C7	HDP26-24-21SN	Deutsch	C	0462-201-16141	Blunt Cut	-	-	-	-
W10	Auger #1 Feedback	Green	18	GXL	360	C7	HDP26-24-21SN	Deutsch	F	0462-201-16141	C3	T4120001041-000	TE Connectivity AMP Connectors	4	-
W11	Aux Module Ground	Black	12	GXL	144	C7	HDP26-24-21SN	Deutsch	D	0462-203-12141	C1	HDP26-24-19SN	Deutsch	10	0462-203-12141
W14	Aux Module CAN-HI	White	16	GXL	144	C7	HDP26-24-21SN	Deutsch	J	0462-201-16141	C1	HDP26-24-19SN	Deutsch	7	0462-201-16141
W15	Aux Module CAN-LO	Green	16	GXL	144	C7	HDP26-24-21SN	Deutsch	K	0462-201-16141	C1	HDP26-24-19SN	Deutsch	9	0462-201-16141
W17	Pre-wet #1 Feedback	Yellow	16	GXL	240	C7	HDP26-24-21SN	Deutsch	L	0462-201-16141	C8	DT06-6S	DT06-6S	3	0462-201-16141
W18	Pre-wet #1 Feedback Power	Red	16	GXL	234	C8	DT06-6S	Deutsch	1	0462-201-16141	S1	-	-	-	-
W19	Pre-wet #1 Feedback Ground	Black	16	GXL	234	C8	DT06-6S	Deutsch	2	0462-201-16141	S2	-	-	-	-
W20	Body Up Signal	Brown	16	GXL	130	C1	HDP26-24-19SN	Deutsch	11	0462-201-16141	S3	-	-	-	-
W21	PTO Output	Blue	16	GXL	240	C7	HDP26-24-21SN	Deutsch	N	0462-201-16141	Blunt Cut	-	-	-	-
W22	PTO Enable	Brown	16	GXL	240	C7	HDP26-24-21SN	Deutsch	P	0462-201-16141	C4	DT06-08SA	Deutsch	5	0462-201-16141
W23	PTO Override	White	16	GXL	240	C7	HDP26-24-21SN	Deutsch	R	0462-201-16141	C4	DT06-08SA	Deutsch	6	0462-201-16141
W24	+12 Volt Sensor Power	Red	16	GXL	6	S1	-	-	-	-	C7	HDP26-24-21SN	Deutsch	U	0462-201-16141
W25	Sensor Ground	Black	16	GXL	6	S2	-	-	-	-	C7	HDP26-24-21SN	Deutsch	V	0462-201-16141
W26	Body Up Ground	Black	16	GXL	90	S2	-	-	-	-	Blunt Cut	-	-	-	-
W27	Auger #1 Feedback Ground	Black	18	GXL	354	S2	-	-	-	-	C3	T4120001041-000	TE Connectivity AMP Connectors	3	-
W28	Auger #1 Feedback Power	Red	18	GXL	354	S1	-	-	-	-	C3	T4120001041-000	TE Connectivity AMP Connectors	1	-
W29	Body Up Signal 2	Brown	16	GXL	86	S3	-	-	-	-	Blunt Cut	-	-	-	-
W30	Body up Signal 3	Brown	16	GXL	230	S3	-	-	-	-	C4	DT06-08SA	Deutsch	7	0462-201-16141
W31	Body Up Output	Gray	16	GXL	240	C7	HDP26-24-21SN	Deutsch	M	0462-201-16141	C4	DT06-08SA	Deutsch	8	0462-201-16141
W32	Auger #2 Feedback	Gray	18	GXL	480	C1	HDP26-24-19SN	Deutsch	3	0462-201-16141	C5	T4131012051-000	TE	4	-
W33	Auger #2 Feedback Power	Red	18	GXL	480	C1	HDP26-24-19SN	Deutsch	1	0462-201-16141	C5	T4131012051-000	TE	1	-
W34	Auger #2 Feedback Ground	Black	18	GXL	480	C1	HDP26-24-19SN	Deutsch	2	0462-201-16141	C5	T4131012051-000	TE	3	-
W35	Pre-wet #2 Feedback	Pink	18	GXL	480	C1	HDP26-24-19SN	Deutsch	6	0462-201-16141	C8	T4131012051-000	TE	4	-
W36	Pre-wet #2 Feedback Power	Red	18	GXL	480	C1	HDP26-24-19SN	Deutsch	4	0462-201-16141	C8	T4131012051-000	TE	1	-
W37	Pre-wet #2 Feedback Ground	Black	18	GXL	480	C1	HDP26-24-19SN	Deutsch	5	0462-201-16141	C8	T4131012051-000	TE	3	-
W38	Pre-wet #1 Low Liquid	Purple	16	GXL	120	C1	HDP26-24-19SN	Deutsch	15	0462-201-16141	C2	DT06-2S	Deutsch	1	0462-201-16141
W39	Pre-wet #1 Low Liquid Ground	Black	16	GXL	120	C1	HDP26-24-19SN	Deutsch	17	0462-201-16141	C2	DT06-2S	Deutsch	2	0462-201-16141
W40	Auger #2 Reverse	Lt Green	16	GXL	144	C1	HDP26-24-19SN	Deutsch	13	0462-201-16141	C7	HDP26-24-21SN	Deutsch	S	0462-201-16141