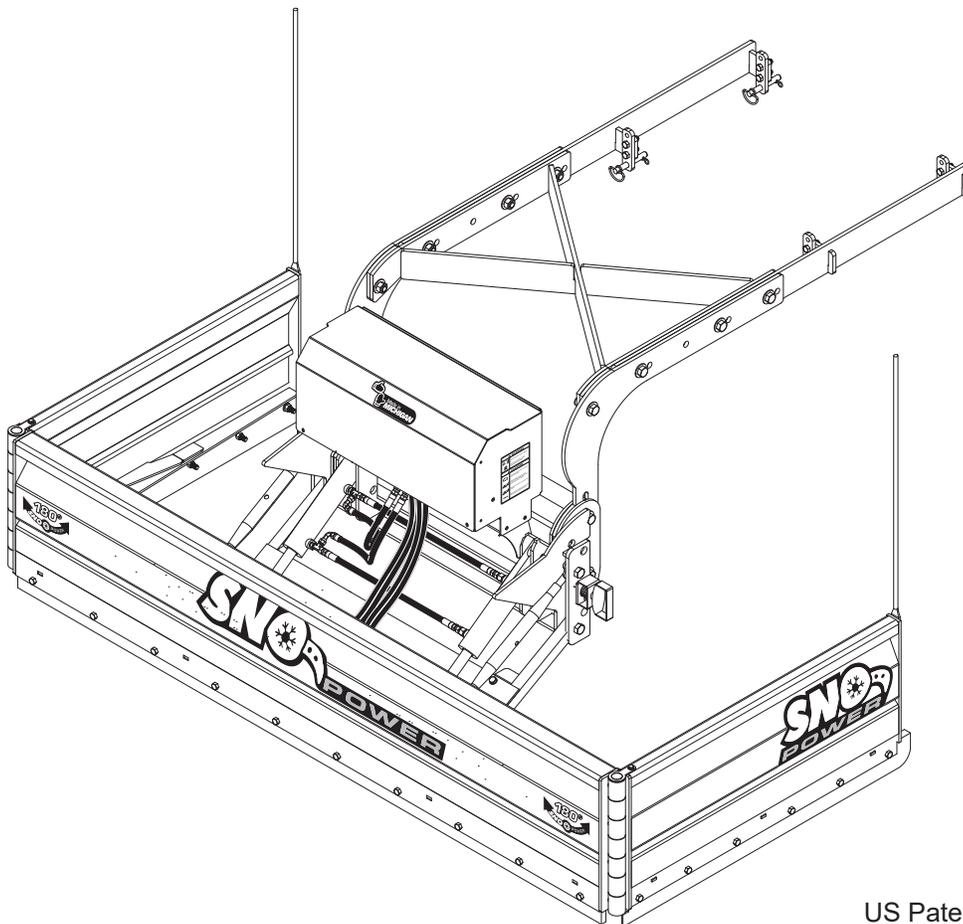




Commercial Rear Plow System

HW16 Parts Manual



US Patent
US 9,555,746, B2

DECALS

Decals

Sno-Power

	Part Number	Description	Quantity		Part Number	Description	Quantity
1	SP-17041D	Main Board Decal	1	4	SP-17043D	Warning Decal	1
2	SP-17042D	Wing Decal	2	5	SP-17044D	180° Decal	2
3	SP-17045D	Made in Michigan Decal	2		SP-17040D	Plow Decal Kit	1



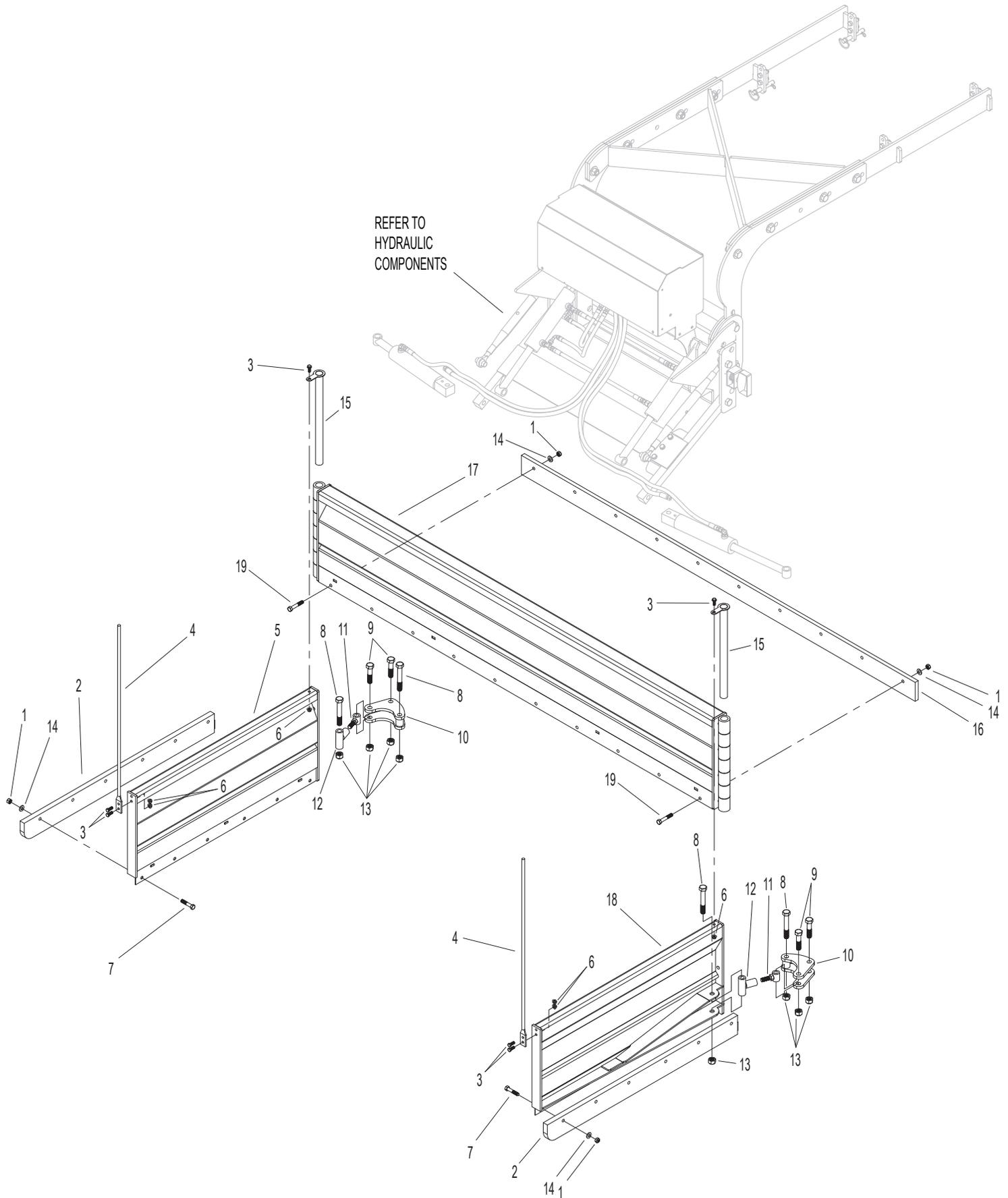
⚠ WARNING	
	Lower blade when vehicle is parked.
	Do not exceed GVWR or GAWR including blade and ballast.
⚠ CAUTION	
	Read Owner's Manual before operating or servicing snowplow.
	Transport speed should not exceed 45 mph (72 km/h). Further reduce speed under adverse travel conditions.
	Plowing speed should not exceed 10 mph (16 km/h).
WWW.	See your sales outlet/Web site for specific vehicle application recommendations.



REAR PLOW ASSEMBLY

	Part Number	Description	Quantity		Part Number	Description	Quantity
1	17187	1/2-13 Nylock Nut	22	10	SP-F17026	Bell Crank	2
2	SP-18051	Cutting Edge, Short	2	11	SP-F17027	Bell Crank Adjustment Bolt	2
3	17344	3/8-16 x 1 Flange Bolt Grade 5	6	12	SP-F17028	Bell Crank Turnbuckle	2
4	SP-17045PM	Plow Marker	2	13	17190	3/4-10 Nylock Nut	8
5	SP-F17020LW	Left Wing	1	14	15124	1/2 SAE Washer	22
6	17406	3/8-16 Hex Nut	6	15	SP-F17007	Wing Pin	2
7	17213	1/2-13 x 2-1/2 Hex Cap Screw	12	16	SP-18050	Cutting Edge, Long	1
8	17373	3/4-10 x 5 Hex Cap Screw	4	17	SP-F17000	Main Board	1
9	17366	3/4-10 x 4 Hex Cap Screw	4	18	SP-F17021RW	Right Wing	1
				19	15215	1/2-13 x 3 Hex Cap Screw Grade 8	10

REAR PLOW ASSEMBLY



HYDRAULIC COMPONENTS

Hydraulic Components

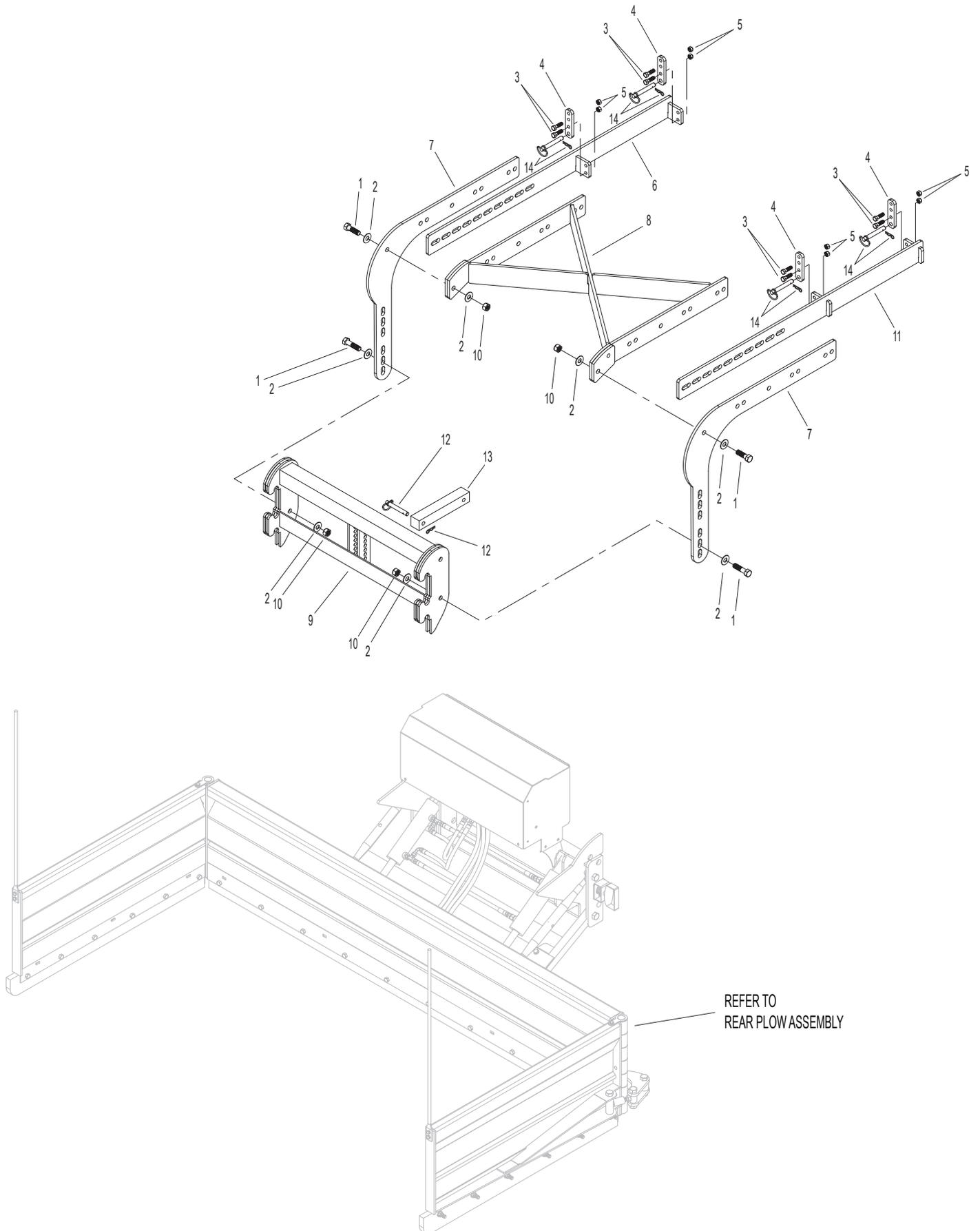
Sno-Power

	Part Number	Description	Quantity		Part Number	Description	Quantity
1	SP-17050	Hose and Fitting Kit (Includes Abrasion Sleeve)	1	18	SP-17PPU-11	O-Ring	2
2	SP-17004	Wing Cylinder	2	19	SP-F17023BC	Power Box Cover	1
3	17368	3/4-10 x 3-1/2 Hex Cap Screw	2	20	SP-F17022PB	Power Box	1
4	17190	3/4-10 Nylock Nut	14	21	15061	1/4-20 Riv Nut	2
5	SP-17005	Lift Cylinder	2	22	17999	1/4 x 2-1/2 Roll Pin	2
6	17373	3/4-10 x 5 Hex Cap Screw	4	23	SP-F17010	Carriage Pin	2
7	17366	3/4-10 x 4 Hex Cap Screw	8	24	SP-18136	1 x 10 Gauge Machine Bushing	2
8	SP-17PPU-1	Manifold	1	25	SP-17015	Carriage Pin Spring	2
9	SP-17PPU-2	2-Way Solenoid Valve	1	26	SP-F17008PH	Plow Side Hitch	1
10	SP-17PPU-3	12VDC Coil, Size 08	1	27	SP-17019	Upper Adjustable Arm	2
11	SP-17PPU-4	4-Way Solenoid Valve	3	28	SP-F17024LLS	Left Lower Spring Arm	1
12	SP-17PPU-5	12VDC Coil, Size 10	6	29	17379	1/2-13 x 1-1/4 Flange Bolt Grade 5	6
13	SP-17PPU-6	Power Unit Assembly	1	30	17345	1/2-13 Flange Nut	6
14	SP-PU-2	Relief Valve	3	31	SP-F17016PL	Spring Plate	1
15	SP-17PPU-8	Needle Valve	1	32	SP-F17025RLS	Right Lower Spring Arm	1
16	15313	1/4-20 x 1/2 Cap Screw With Plastic Knob	2	33	17344	3/8-16 x 1 Flange Bolt Grade 5	8
17	SP-17PPU-10	1/4-20 S.H.C.S. x 3 Lg.	6	34	37341	3/8-16 Serrated Flange Nut	8

TRUCK BASE MOUNT COMPONENTS

	Part Number	Description	Quantity		Part Number	Description	Quantity
1	17363	3/4-10 x 3 Hex Cap Screw	12	7	SP-F17009	90° Hitch Attachment	2
2	33864	3/4 x 2 OD Flat Washer	40	8	SP-F17011C	Center Cross Member	1
3	17213	1/2-13 x 2-1/2 Hex Cap Screw	8	9	SP-F17001VH	Vehicle Side Hitch	1
4	SP-F17048	Hitch Rail Bracket	4	10	17190	3/4-10 Nylock Nut	12
5	17187	1/2-13 Nylock Nut	8	11	SP-F17013RR	Right Hitch Rail	1
6	SP-F17012LR	Left Hitch Rail	1	12	SP-F17018RP	Receiver Support Pin	1
				13	SP-F17017RS	Receiver Support	1
				14	SP-F17014PIN	Hitch Rail Pin	4

TRUCK BASE MOUNT COMPONENTS

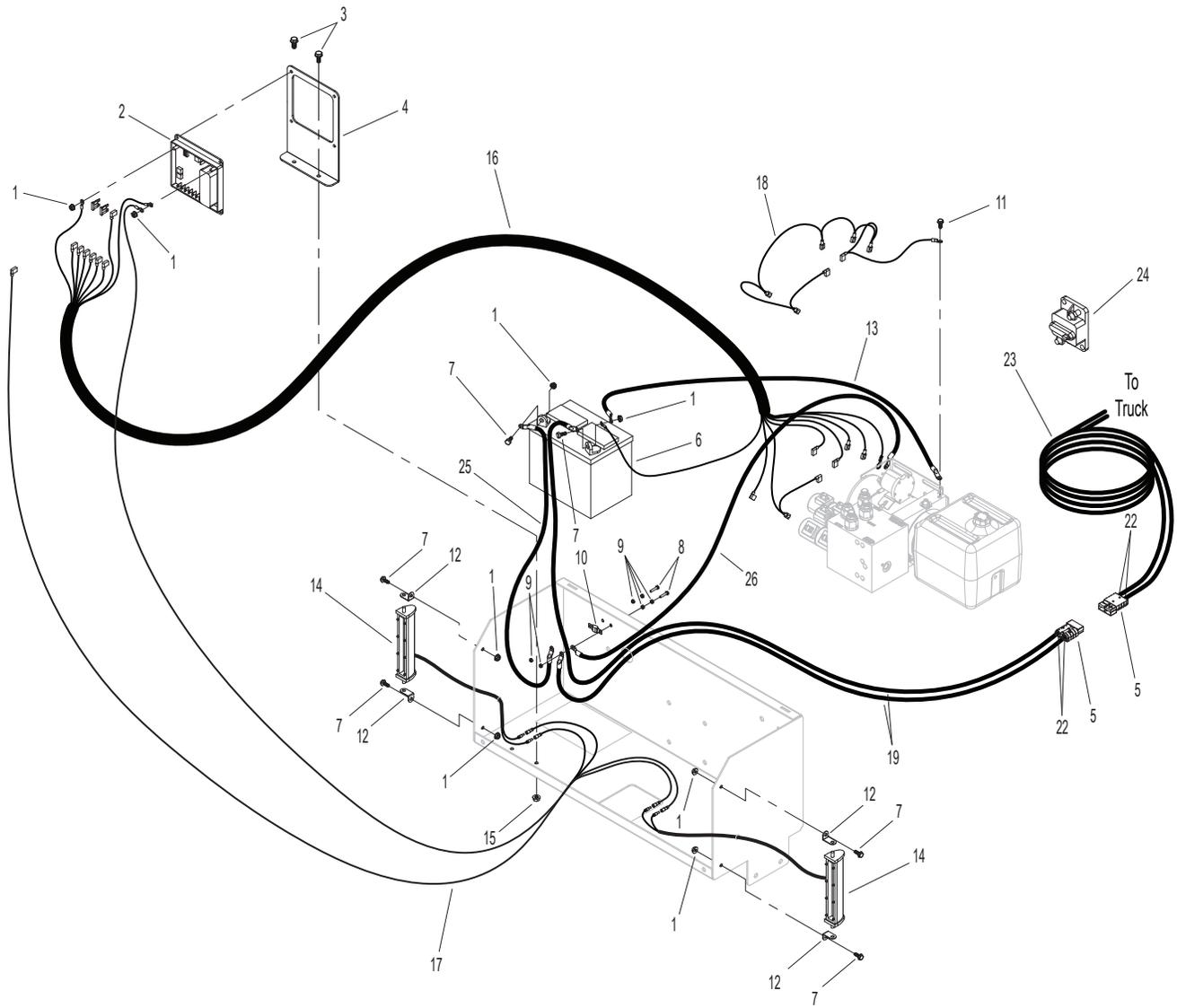


ELECTRICAL

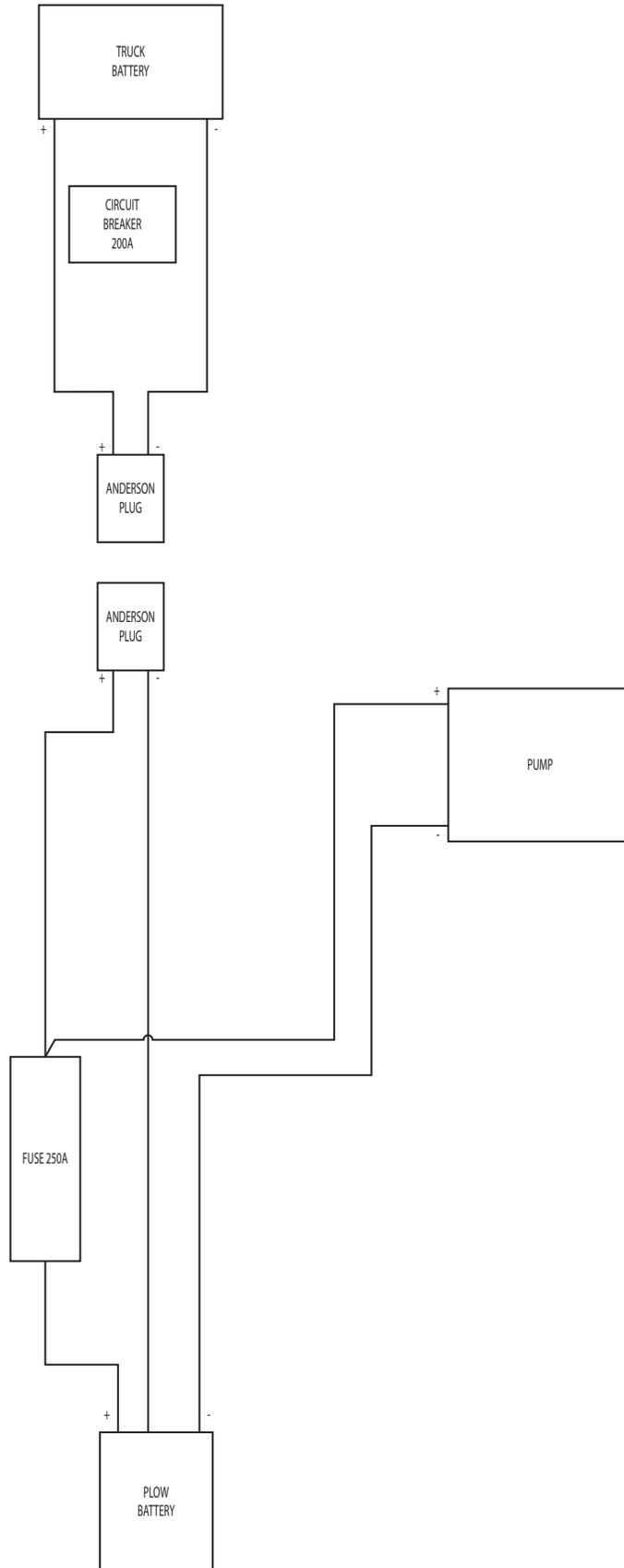
Electrical

Sno-Power

Part Number	Description	Quantity	Part Number	Description	Quantity		
1	95911	1/4-20 Serrated Flange Nut	8	15	17107	5/16-18 Serrated Flange Nut	2
2	SP-PM101	Control Module	1				
3	17053	5/16-18 x 3/4 Serrated Flange Bolt	2	16	SP-F17071	Plow Control Harness Terminated Wires	1
4	SP-F17037	Module Bracket	1	17	SP-F17091	Plow Lighting Harness Terminated Wires	1
5	SP-17061	Anderson Plug	2				
6	SP-17003	Battery	1	18	SP-F17095	Solenoid Ground Harness	1
7	11589191	1/4-20 x 3/4 Hex Serrated Flange Bolt	6	19	SP-F17080	Positive/Negative Power Cable Set	1
8	29572	FHP MS 1/4-20 x 1-1/4	2	20	SP-17032	250A Fuse Holder	1
9	37018	1/4-20 Nylock Nut	2	21	SP-17033	250A Fuse Holder Cover	1
10	SP-17031	250A Fuse	1	22	SP-17062	Terminal Lugs (Set of 4)	1
11	20531	5/16 x 3/4 Self Threading Screw	1	23	SP-F17060	Heavy Power Cable - 30°	1
12	SP-F17035	Plow Light "L" Bracket	4	24	SP-17030	Circuit Breaker (200A)	1
13	SP-17080	Negative Battery Cable	1	25	SP-17085-10	Positive Battery Cable	1
14	SP-17090	Light	2	26	SP-17085-14	Positive Battery Cable	1



ELECTRICAL SCHEMATIC



Muskegon, MI