



SPARTAN

Soldier Water Jet Service Manual

Record the VIN Number of your

Soldier

and give the number to the factory
when ordering parts.

Serial

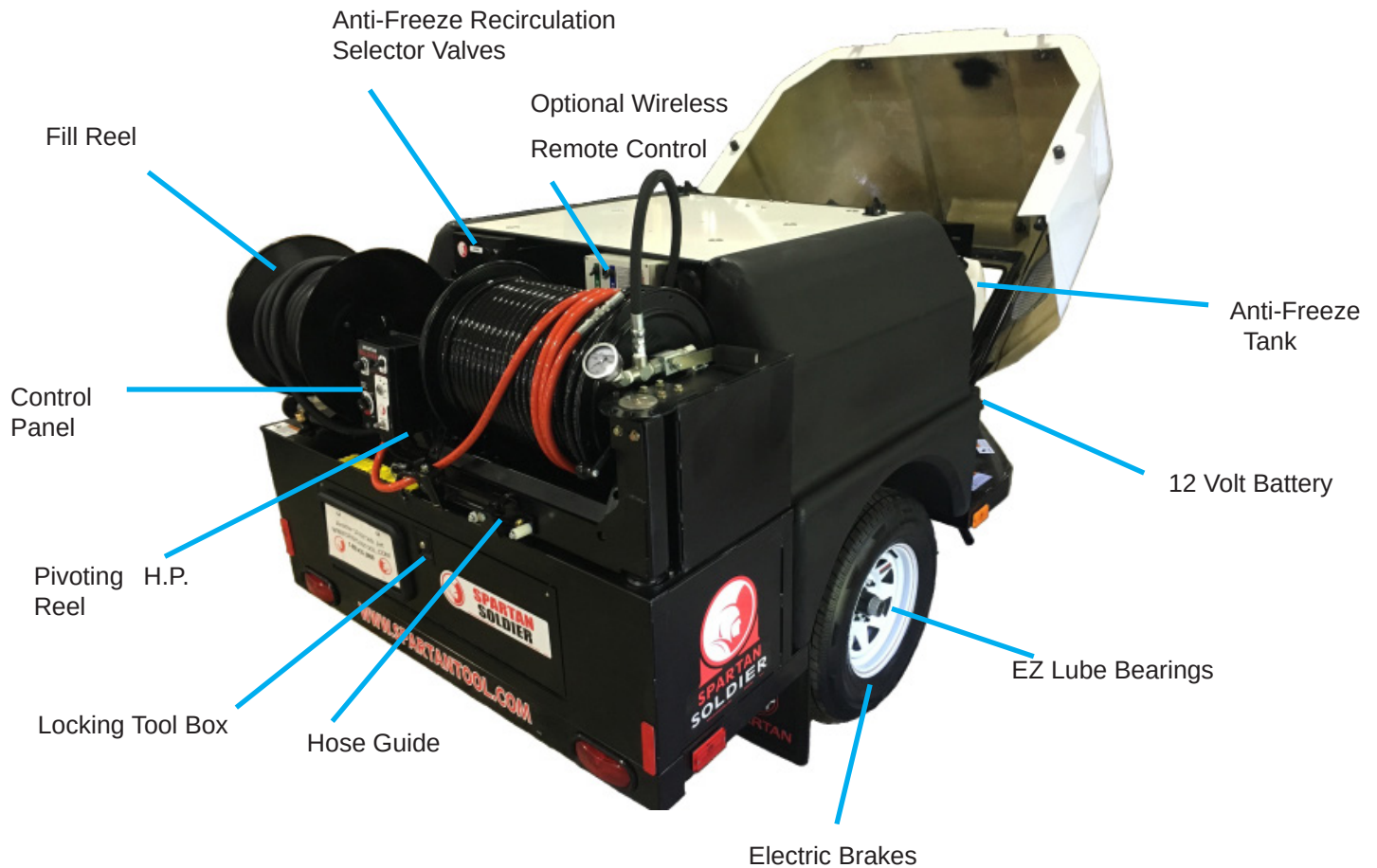
Number



SPARTAN TOOL L.L.C.
800.435.3866
www.spartantool.com



Soldier Overview





Soldier Operator Controls



Fig. 3.1

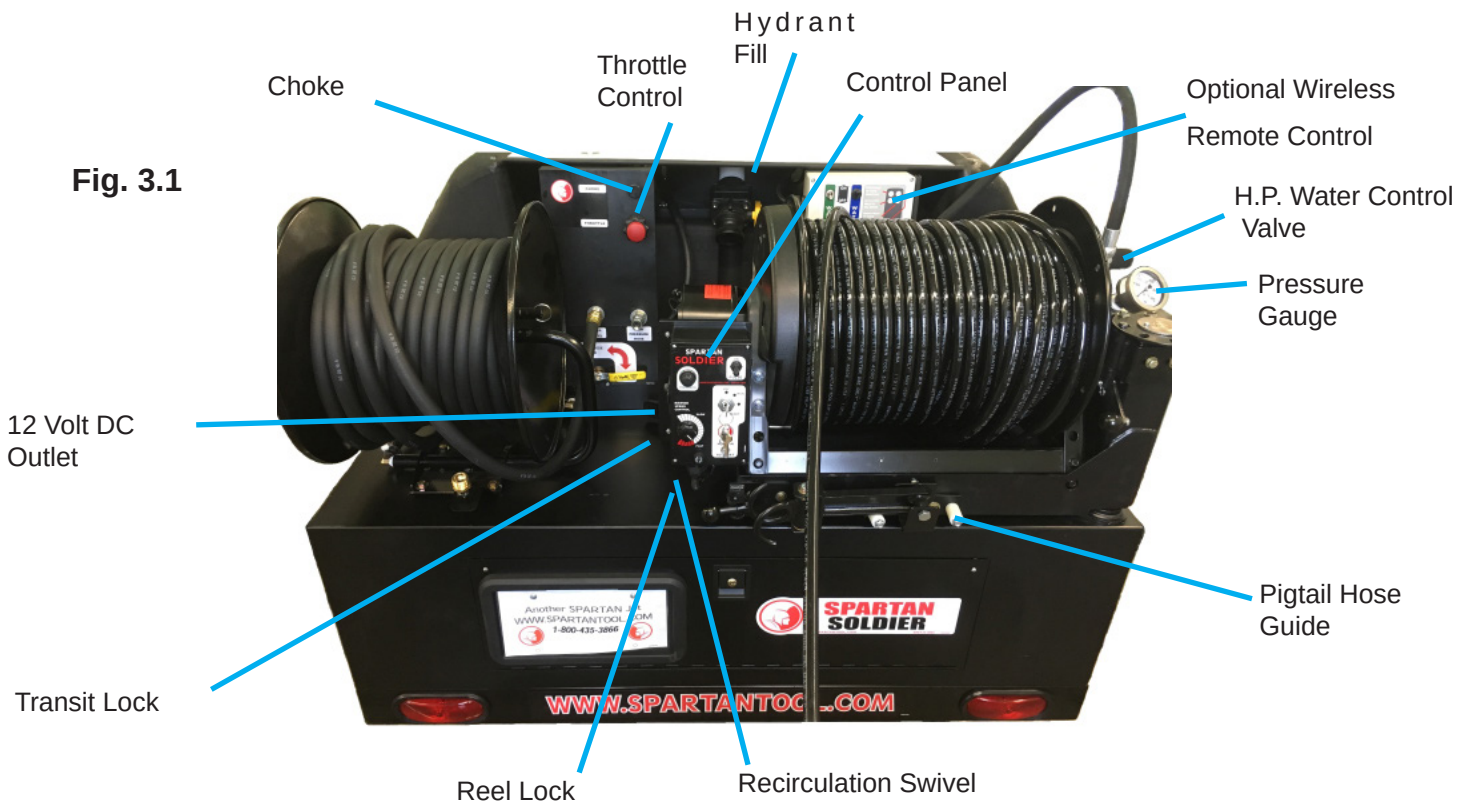


Fig. 3.2

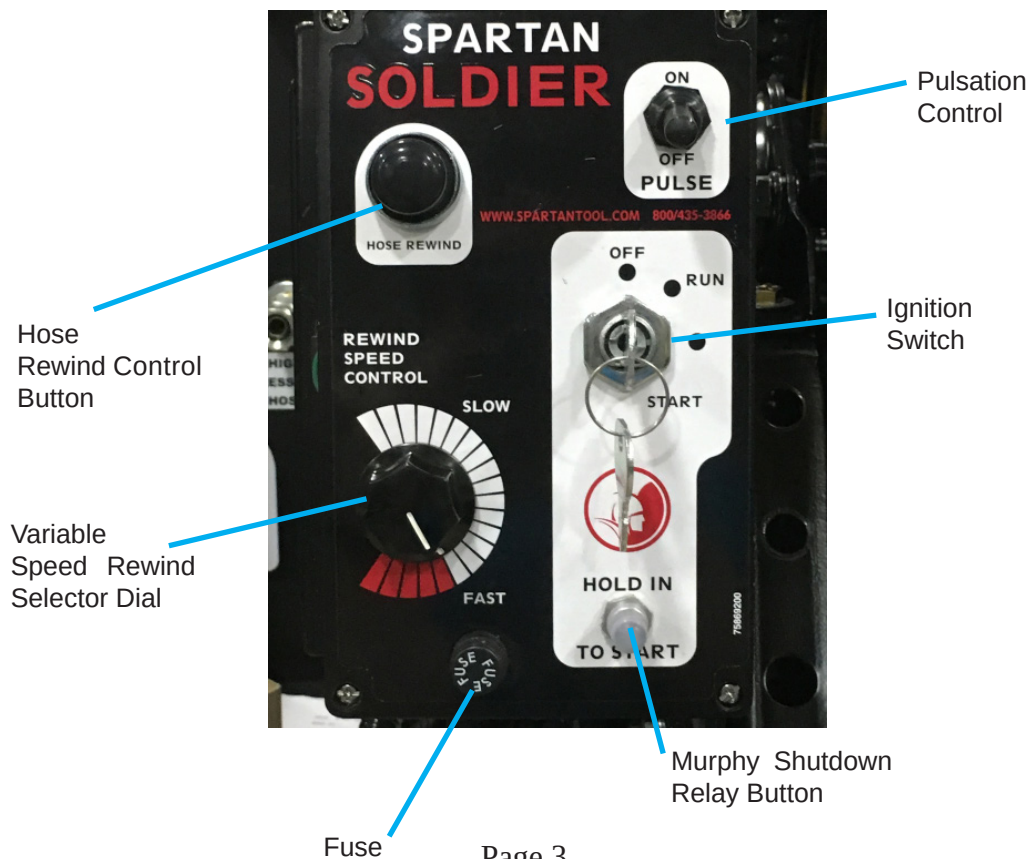




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How To Use Parts & Accessories Section



Spartan Tool will supply all parts or accessories you require as quickly as possible. In order to do so, we must have information from you, including machine serial number and part numbers.

Please record the VIN number of your machine in the space provided below:

Spartan Soldier

Serial No. _____

To order parts, look through the pictures until you find the part you require or an indication of where the part should be. Using the item number from the picture, go to that number on the adjacent page and check the description to determine if it is the part you desire.

Using the part numbers, please contact your Spartan Territory Manager, the home office at (800)-435-3866, or online at www.spartantool.com.

Thank You.

Customer Service, Spartan Tool
1506 W. Division Street
Mendota, IL 61342
Phone (800)-435-3866
Fax (888)-876-2371



Special Note



Though much of your Soldier Jet is user serviceable, trained professional mechanics may be needed with pump, plumbing, engine, lights, hitch and axle experience.

Though much of your Soldier Jet is user serviceable, trained professional mechanics may be needed with pump, plumbing, engine, lights, hitch and axle experience.

- Engine repair is best performed by your local Kawasaki repairman.
- Contact Spartan Tool or consult the Pump Repair Manual for all pump repair or troubleshooting.
- All plumbing repairs should use Spartan parts. The high pressure plumbing has been designed for pressures greater than 3000 PSI. Substituting parts is dangerous and voids Spartan warranties. Use standard pipe sealing compound or “Teflon”® tape to seal all joints except swivel joints and hose nozzles (o-rings, seals, and tapered seat designs do not require sealing materials).

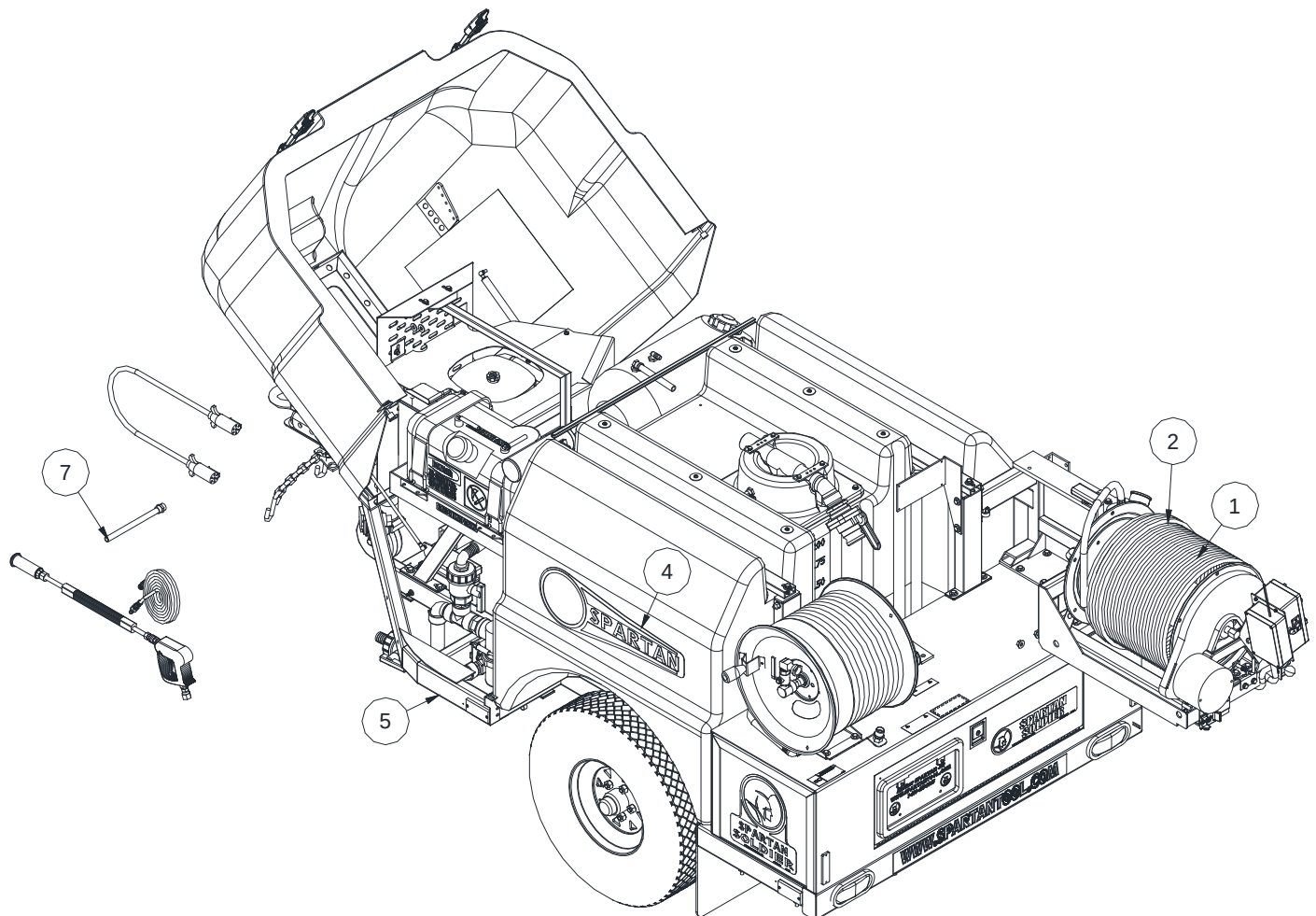


Soldier, 250' Hose - 75840000

Soldier, 350' Hose - 75840035



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	73808600	HOSE, HIGH PRESSURE 3/8" X 250' (75840000)
1	1	73808603	HOSE, HIGH PRESSURE 3/8" X 350' (75840035)
2	1	73821500	HOSE, LEADER 3/8" X 15' ORANGE
3	5	73837800	PLUG, 3/8 BLACK PLASTIC (NOT SHOWN)
4	2	75815400	DECAL, SPARTAN
5	1	75840800	ASSEMBLY, FINAL SOLDIER
6	1	75866200	DECAL, SOLDIER TIRE & LOAD
7	1	75866500	ASSY, 3/8 ANTI-TURN AROUND
8	1	79952300	DECAL, WHEEL & LUG NUTS
9	1	79952400	DECAL, SAFETY CHAIN
10	1	79952700	DECAL NATM COMPLIANCE
11	1	79966600	ANTI-FREEZE (PRO GLYCOL)





Soldier Jet Assembly - 75840800



ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	00113500	SCREW, HEX HEAD CAP 1/4-20 X 1/2
2	12	00113600	SCREW, HX HD CAP 1/4-20 X 5/8
3	58	00113700	SCREW, HEX HD 1/4-20 X 3/4
4	12	00113901	SCREW, HX HD CAP 1/4-20 X 1
5	4	00115100	SCREW, HX HD CAP 5/16-18 X 1"
6	2	00116000	SCREW, HEX HD CAP 3/8-16 X 1/2"
7	4	00137300	HX NUT 1/4-20 ZN PLT
8	12	00162600	WASHER, FLAT 5/16 USS
9	20	00162700	WASHER, FLAT 3/8
10	1	00165300	WASHER, LOCK SPLIT #10
11	74	00165400	WASHER, LOCK SPLIT 1/4
12	6	00165800	WASHER, LOCK SPLIT 3/8
13	4	02821200	NUT, NYLOCK JAM 1/4-20
14	1	02823800	SCREW, MACHINE 10-32 X 3/8
15	57	02825100	WASHER, FLAT 1/4 USS
16	1	02827400	SCREW, SCKT HD CAP 10-32 X 7/8
17	13	02939000	SCREW, CAP HX HD 5/16-18 X 3/4
18	8	03366300	WASHER, FLAT 3/8 SAE
19	5	03850100	NUT, HEX KEP 10-32 ZINC PLTD
20	5	04723100	SCREW, MACHINE 10-32 X 5/8"
21	11	04728200	SCREW, HEX HD 1/4-20 X 3/8
22	1	44298100	KEYCHAIN, SPARTAN LOGO
23	1	44298500	JETTER LICENSE PLATE INSERT
24	2	521012-04	SCREW, HX HD 1/4-20 X 1-1/2
25	20	538002-02	CABLE TIE - 8" BLACK
26	1	585431-01	DECAL, WARNING UNTRAINED PERSONNEL
27	1	58543101	DECAL, WARNING UNTRAINED
28	1	58546301	DECAL, BATTERY
29	1	61018000	FUSE HOLDER
30	1	63002500	BUMPER, 1" OD X 1/2" BLCK
31	4	63002800	SCREW, 1/4-20 X 1 BLACK OX SS
32	1	71131000	SCREW, SCKHD CAP 3/8-16 X 1
33	1	73803300	COUPLER, TONGUE 2-1/2" PAINTED
34	1	73815300	CABLE, NEGATIVE BATTERY 60" LG
35	1	73817300	WASH DOWN ACCESSORY PACKAGE
36	20	73821200	NUT, NYLON LOCKING 1/4-20
37	6	73826900	WASHER, FLAT 1/2 USS HIGH STRENGTH
38	4	73829700	U-BOLT, SQUARE 2" X 2-5/8" (3/8-16)
39	2	73830100	SCREW, FLT HD1/4-20 X 1-1/2
40	2	73830200	U-BOLT, 3" TUBE OD W/NUTS
41	1	73831000	CLAMP, HOSE 1-1/16 - 2" #24
42	6	73831200	SCREW, HEX HD 3/8-16 X 4-3/4
43	11	73832400	PIPE, FLEXIBLE EXHAUST
44	18"	73833500	PLATE, FILL REEL REINFORCEMENT
45	1	73837700	ASSY, HOSE HOLSTER

ITEM	QTY	PART NUMBER	DESCRIPTION
47	2 FT	74026500	TAPE, HIGH TEMP ALUMINUM
48	1	74027000	ASSY, COM FILL REEL
49	1	75800800	NOZZLE, CLOSED 3000 PSI
50	1	75800900	NOZZLE, OPEN 3000 PSI
51	3	75803100	CLAMP, MUFFLER 1-1/4"
52	1	75808500	CABLE, POSITIVE BATTERY 60" LG
53	1	75810100	LOCK, REEL
54	1	75814700	STRAP, BATTERY HOLD DOWN
55	2	75815100	DECAL, GASOLINE ONLY
56	1	75815301	BOX, BATTERY
57	1	75840100	WELDMENT, 758 SOLDIER FRAME
58	1	75840200	AXLE, 2300 LB
59	2	75840300	WHEEL, 175/80 R13
60	1	75840330	CAP, EZ LUBE
61	6	75840591	RUBBER BUMPER, 1/4"-20 THRED SHAFT
62	1	75841000	FIBERGLASS SHELL, 758 WITH HARDWARE
63	8	75841010	VINYL EDGE TRIM BLACK
64	1	75841300	ASSY, SOLDIER POWER PAK
65	1	75841500	MUFFLER-SOLDIER
66	1	75841600	ASSY, 200 GAL WATERTANK
67	2	75841861	SCREW, 3/8-16 X 3/4 FLAT SCKT
68	1	75842420	CAP, ANIT-FREEZE TANK
69	2	75842900	SHOULDER BOLT, 1/2" X 1-1/2" SS
70	1	75843500	SOLDIER STRAINER ASSY
71	1	75843600	PLATE, STRAINER ASS'Y MOUNTING
72	2	75843900	WELDMENT, TANK SUPPORT
73	2	75844000	WELDMENT, TANK DECK SUPPORT
74	1	75844100	WELDMENT, ANTIFRZE/GAS TANK MNT
75	2	75844200	TUBE, TANK SUPPORT
76	1	75844300	GRILL, 758 ENCLOSURE
77	2	75844700	SOLDIER MUDFLAP, MODIFIED
78	1	75845400	PLATE, 758 WATERTANK COVER
79	1	75845500	LATCH, PADDLE MEDIUM
80	1	75845700	CASTER, JACK
81	1	75846500	WELDMENT, UPPER GRILL SUPPORT
82	1	75847100	ASSY, 8.25 GAL ANTIFREEZE TANK
83	1	75849200	WELDMENT, PINTLE RING, SOLDIER
84	1 FT	75849800	HOSE, 1/2" HP PUMP TO REEL
85	2	75850500	PLATE, MUD FLAP
86	1	75851100	WELDMENT, NOZZLE HOLDER
87	2	75851600	PLATE, REEL UPPER SUPPORT WASHER
88	6	75852030	SCREW, 1/4-20X 1/2 BUTTON HD ZINC PL
89	6	75852050	WASHER, FENDER 1/4 X 1.5
90	1	75852200	U-BOLT, 1-1/2" ID ZN PLTD
91	10	75852500	WASHER, 2" X 2" X .25" BLACK SQUARE
92	4	75852600	WASHER, SQUARE 9/16" ID



Soldier Jet Assembly - 75840800



ITEM	QTY	PART NUMBER	DESCRIPTION
93	58	75852700	WASHER, 3/8" ID USS GRD 9
94	6	75853000	HEX HD BOLT 3/8-16 X 4 GR8
95	2	75853010	HX HD BOLT 1/2-13 X 6 GR8
96	2	75853700	GAS STRUT, SOLDIER
97	4	75853710	10MM GAS STRUT MOUNTING SOCKET
98	4	75853730	10MM THREADED BALL, SOLDIER
99	2	75854000	REAR TOOLBOX DECAL, SOLDIER
100	1	75854010	DECAL, JACK CASTER WARNING
101	2	75854020	DECAL, SOLDIER FRONT FIBERGLASS
102	1	75854030	DECAL, SOLDIER REAR BUMPER
103	1	75854150	TRAILER BRAKE & LIGHT HARNESS
104	1	75855000	WIRING, SOLDIER FINAL ASSEMBLY
105	12	75857400	CONDUIT-FLEX 1/2"
106	1	75859000	RECIRC HOSE, PANEL TO WATERTANK
107	2	75859010	RECIRC HOSE, PANEL TO WATERTANK
108	1	75859020	RECIRC HOSE, FILL REEL TO PANEL
109	1	75859030	RECIRC HOSE, HP OUT TO FILL IN
110	1	75859100	1-1/4" HOSE, CLNT TNK TO STRNR
111	1	75859110	1-1/4" HOSE, 200G TANK TO STRN
112	1	75859120	1-1/4" HOSE, HP PUMP TO STRNR
113	14	75860000	CLAMP, VINYL COATED 7/8" ID
114	12	75860300	SCREW, 10-24 X 1/2 SOCK CAP
115	4	75860320	SCREW, 8-32 X .313 SS SCK CAP
116	3	75860900	SOLDIER ENCLOSURE AEROLATCH
117	1	75860900-1of2	SOLDIER ENCLOSURE AEROLATCH
118	1	75861310	PLATE, FRONT SIDE ENG COVER
119	1	75861350	ENGINE COVER WELDMENT (BACK)
120	1	75861760	EXTENSION, EXHAUST 11" SOLDIER
121	2	75862100	MUFFLER HANGER SOLDIER
122	1	75862700	ANGLE, 1/8 X 3 X 1/4 TOP LOCK
123	1	75862710	ANGLE, 1/8 X 3 X 1/4 BOTTOM LK
124	2	75865000	BOLT, 5/16-18 X 2 1/2" HEX HD
125	1	75866000	DECAL, MASTER SHEET - SOLDIER
126	1	75868100	TOOLBOX WLDMNT, SOLDIER 2010
127	1	75868210	DOOR WELDMENT, TOOLBOX 2010
128	1	75868400	HP FRAME WLDMNT - 2010 SOLDIER
129	1	75868500	HP REEL MAIN SUPPORT - 2010 SOLDIER
130	2	75868600	REAR UPRIGHT WLDMNT - 2010
131	1	75868650	PLATE, INDEX - HP REEL 2010 SOLDIER
132	1	75868700	WELDMENT, REEL PIVOT ARM LONG PIN
133	1	75868810	ASSEMBLY, RECIRC FITTINGS 2010
134	1	75869300	CIRCUIT BREAKER 40 AMP
135	1	75869310	boot, circuit breaker red
136	1	75870000	ASSY, HP REEL - 2010 SOLDIER
137	2	75870200	BLOCK, REST POSITION SPPRT
138	1	75870300	ANGLE, BLOCK REST POS HP REEL

ITEM	QTY	PART NUMBER	DESCRIPTION
139	1	75870400	ANGLE, REEL TRANSIT SUPPORT
140	1	75870500	ANGLE, REEL LATCH 2010
141	1	75870500	ANGLE, REEL LATCH 2010
142	1	75871000	ASSEMBLY, RECIRC/THROTTLE 2014
143	1	75871100	SCREW, SHOULDER 1/2 D X 2-1/4
144	1	75871500	ASSY, HOSE GUIDE 2010
145	2	75871600	TANK, 8 GAL GASOLINE
146	1	75871610	CANISTER, CHARCOAL
147	1	75871630	CAP, GASOLINE TANK
148	2	75871800	STRAP, 8 GAL GAS TANK
149	1	75872000	LATCH ASSEMBLY 90 D LOWER INDEX
150	1	75880600	BRACKET, SOLDIER REMOTE BOX
151	1	75881300	BRACKET, WATER VALVE - SOLDIER RMT
152	2	77705101	ELBOW, 90 DEG STREET 1/2 STL
153	1	77722100	FRAME, LIGHTED LICENSE
154	1	77724000	BUSHING, PIPE 1/2" X 3/8"
155	30"	77726800	CHAIN, #5 DOUBLE LOOP .062"
156	1	77728900	CAP, CABLE #5704 RED
157	8	77733300	TERMINAL, RING 5/16"
158	6	77736900	clamp, hose 1-9/16 - 2-1/2 #32
159	2	77738100	SCREW, CAP HX HD 3/8-16 X 1
160	8	77738300	SCREW, CAP HEX HD 3/8-16 X 3/4
161	1	77739800	DECAL, CAUTION (READ MANUAL)
162	1	77739900	DECAL, WARNING (INSERT HOSE)
163	6	77742400	NYLOCK LOCK NUT 10-24
164	6	77743400	WASHER, LOCK SPLIT 5/16
165	2	77744800	NUT, 1/2-13 STOVER LOCK
166	2	77745800	SCREW, HEX HD 1/2-13 X 1-1/4
167	3	77746000	CLAMP, HOSE 7/32 - 5/8 S.S.
168	12	77747800	NUT, HEX 5/16-18
169	10	77748000	NUT, STOVER LOCK 3/8-16 UNC
170	2	77748100	SCREW, THREAD CUT 1/4-30 X 3/4
171	30"	77749400	TUBING, HEAT SHRINK
172	12	77751600	DISCONNECT, FEMALE BULLET STYLE
173	12	77751700	DISCONNECT, MALE BULLET STYLE
174	4	77755000	WASHER, ROBO 3/8"
175	1	77759900	SCREW, CAP HX HD 3/8-16 X 1-1/4
176	1	77763500	DECAL, CRANK HANDLE
177	1	77766300	LABEL, DANGER "NO SMOKING"
178	2	77767600	CLAMP, HOSE 11/16 - 1-1/4
179	1	77770800	NIPPLE, HEX 1/2" X 1/2"
180	4	77785200	MOUNT, MOTOR
181	3 FT	77785900	HOSE, PUSH LOK 3/4
182	3	77814100	CONNECTOR, 12 GA BUTT
183	1	79827300	ASSY, HAND CRANK
184	4	79827900	TUBING, HEAT SHRINK 1.1" : 3/8"



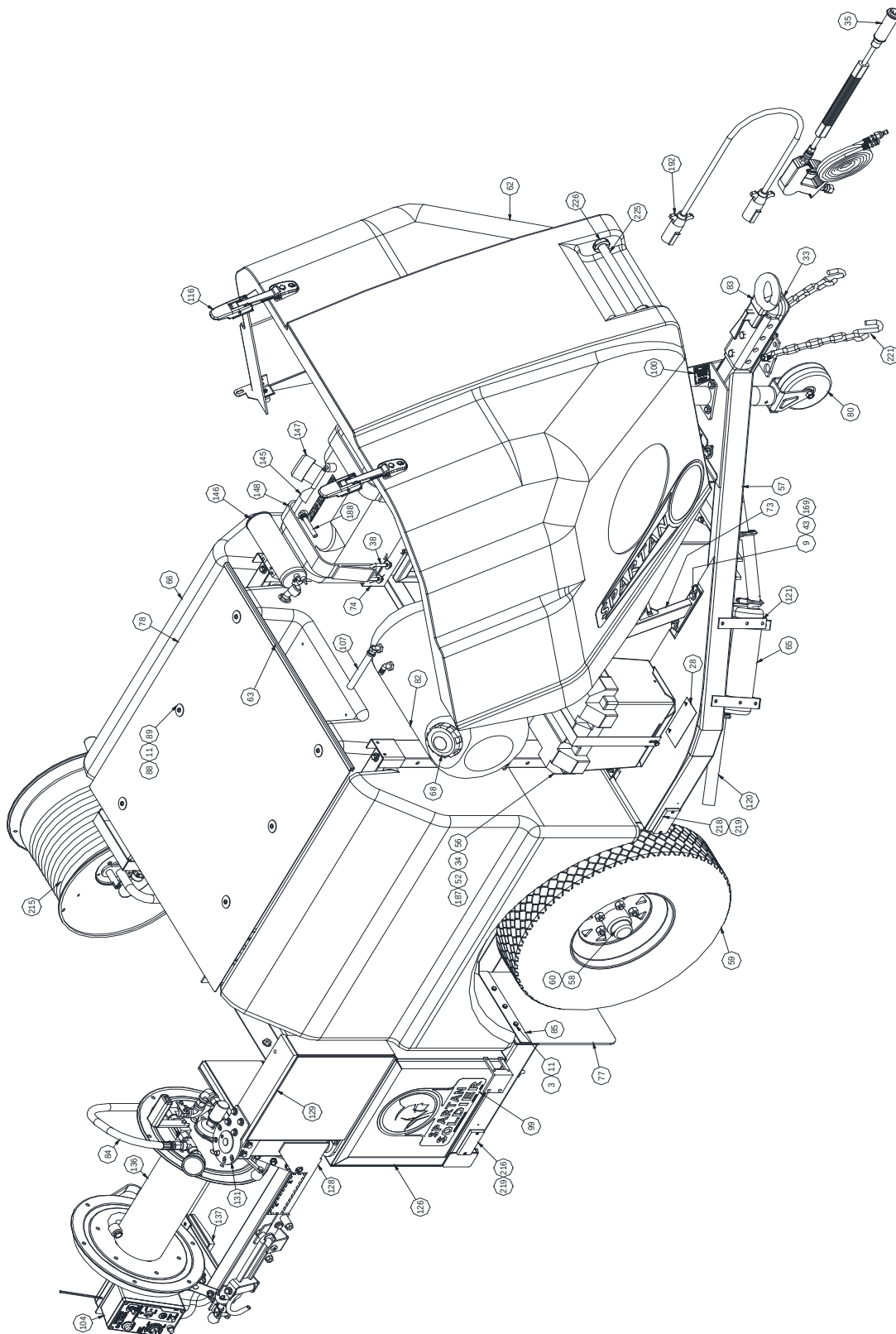
Soldier Jet Assembly - 75840800



ITEM	QTY	PART NUMBER	DESCRIPTION
185	2	79838700	HEX HD BOLT 1/2-13 X 1-1/2 GR8
186	2	79838800	NUT, FLANGED HEX 5/16-18
187	1	79847800	BATTERY, DIESEL 875 CCA
188	3	79849800	HOSE, FUEL 5/16" ID
189	7	79858100	SCREW, HX HD CAP 3/8-16 X 1-3/4
190	17	79860000	CLAMP, VINYL COATED 5/8" ID
191	2	79865200	SCREW, SHEET METAL #6 X 5/8"
192	1	79900600	ASSEMBLY, 7 POLE QUICK RELEASE 6'
193	1	79904200	BREAKAWAY KIT, WITH CHARGER
194	1	79904483	HOSE, 1/2" PUSH-ON 300 psi
195	1	79907900	PLATE, BREAKAWAY BATTERY BOX
196	2	79908100	SCREW, HEX HD 1/4-20 X 3
197	2	79908200	WASHER, FLAT 1/4 SAE
198	2	79909900	SCREW, SCK HD 3/8-16 X 1-3/4
199	2	79910900	SCREW, FLAT HD 10-32 X 7/16"
200	6	79920140	HEX HD BOLT 1/2-13 X 4-1/2 GR8
201	9	79920141	NUT, HX GR8 1/2-13 STOVER
202	3	79920150	HEX HD BOLT 3/8-16 X 1-1/2 GR8
203	28	79920151	HEX NUT, 3/8-16 GRADE 8
204	2	79920152	SCREW, 3/8-16 X 3 HX GR8
205	12	79920153	HEX HD BOLT 3/8-16 X 4-1/2 GR8
206	2	79920159	SCREW, PHIL FLAT HD 1/4-20X 1 SS
207	8	79920161	WASHER, FLAT 5/8 GR8
208	1	79920243	WELDMENT, CLUTCH ACTUATOR BRKT
209	2	79920720	BREAKLIGHT, OVAL LAMP
210	2	79922570	BALL JOINT END
211	3	79942210	EDGE GRIP, RUBBER SEAL 3/16
212	12	79942600	WASHER, FLAT SAE 1/2" - .074 THCK
213	4	79942700	NUT, HEX JAM 1/2-20
214	4	79943100	WASHER, 17/32 ID X 2 OD
215	1	79944100	HOSE, GARDEN 5/8 X 100'
216	2	79945815	LIGHT, SIDE MARKER RED P&P
217	2	79945830	REFLECTOR, RED
218	2	79945855	LIGHT, SIDE MARKER AMBER P&P
219	8	79945860	SCREW, 8-32x1-1/4 FLT HD ZNC
220	1	79947640	BRACKET, 7PIN RECEPTICLE
221	2	79960000	CHAIN, SAFETY
222	1	79960500	JACK, STAND LARGE JET
223	1	79962310	CLAMP, INSULATED 1-1/4" ID
224	1	79966310	PIN, LOCKING 3/8" DIA - 1-3/8" USABLE
225	1	75840560	TUBE, HANDLE
226	1	75840561	COLLAR, 2 PIECE
227	1	75845510	KEYS, SOLDIER TOOL BOX (SET OF 2)
228	12FT	75855500	WRAP, EXHAUST INSULATING
229	5FT	73833500	PIPE, FLEXIBLE EXHAUST

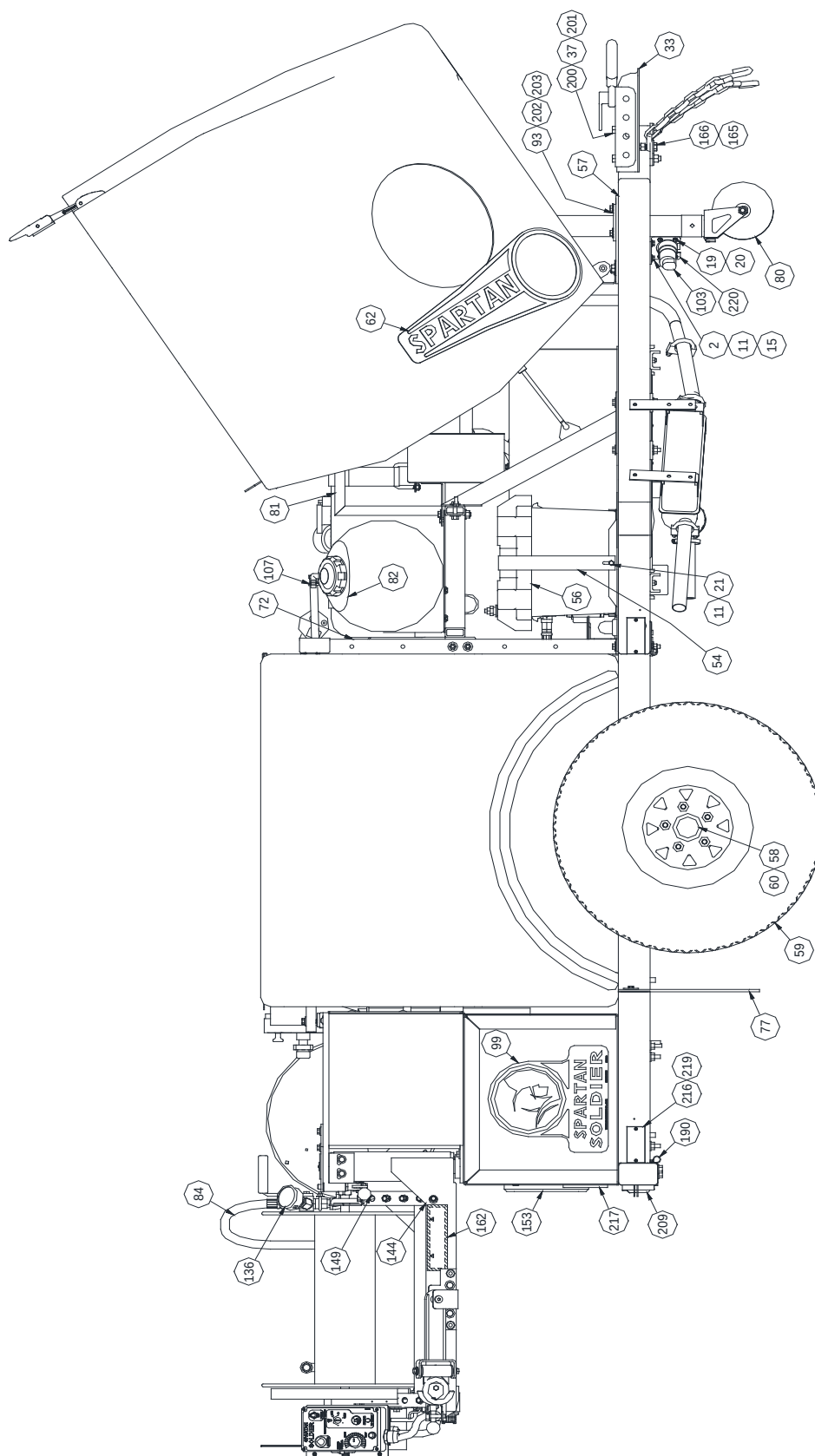


Soldier Jet Assembly - 75840800



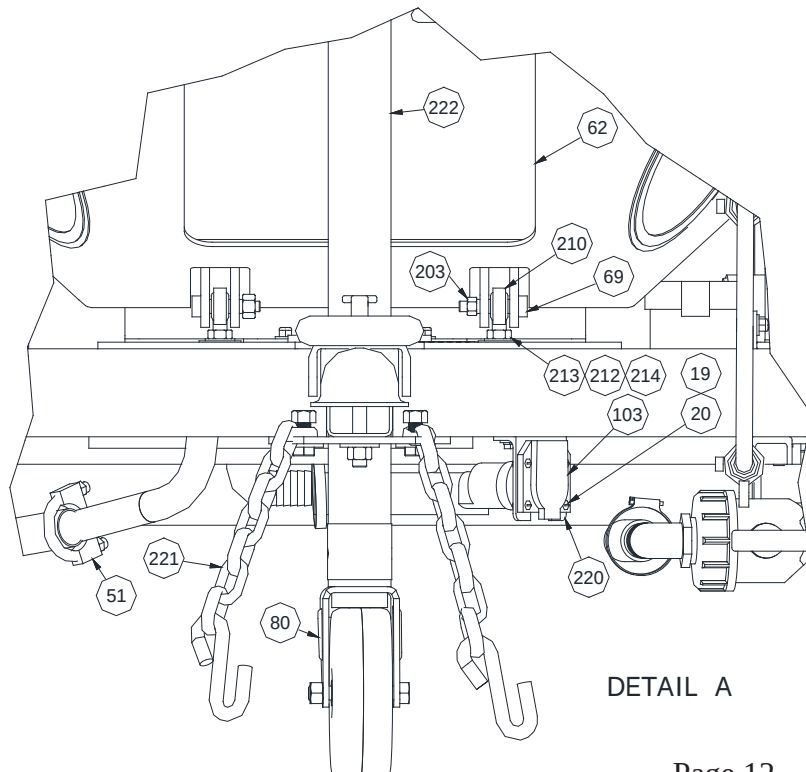
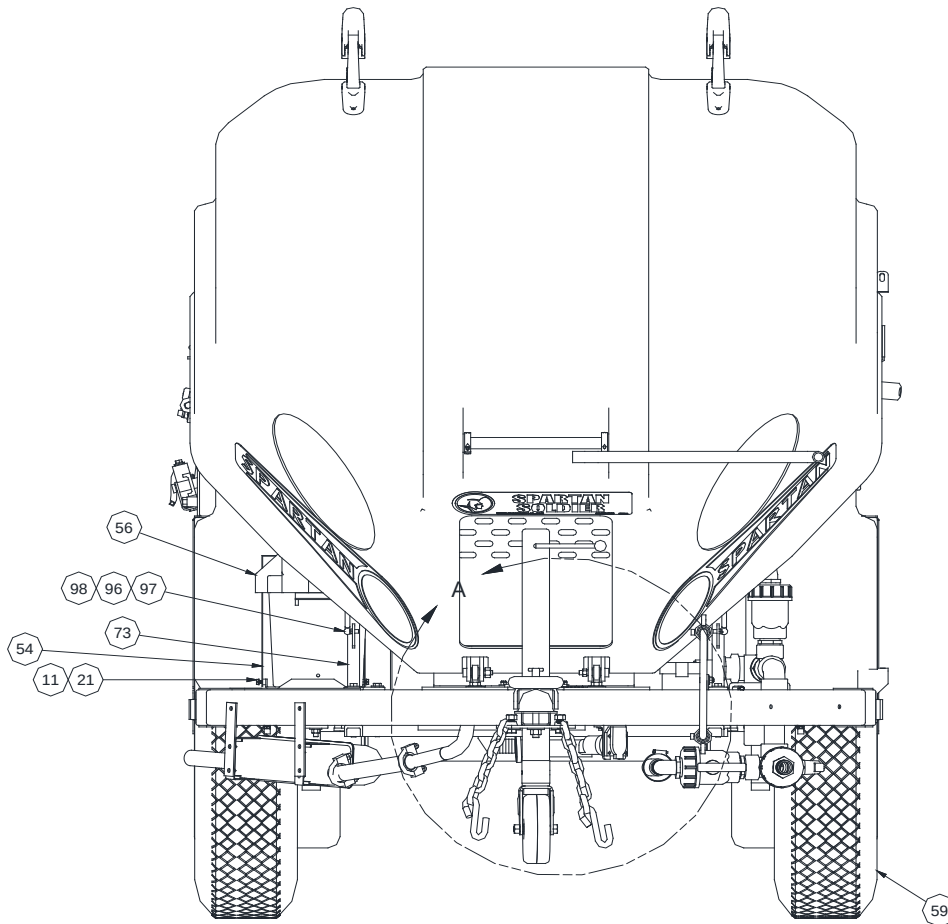


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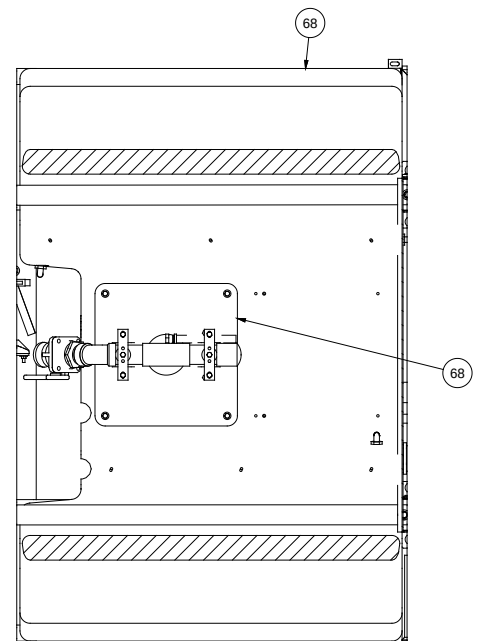




Soldier Jet Assembly - 75840800



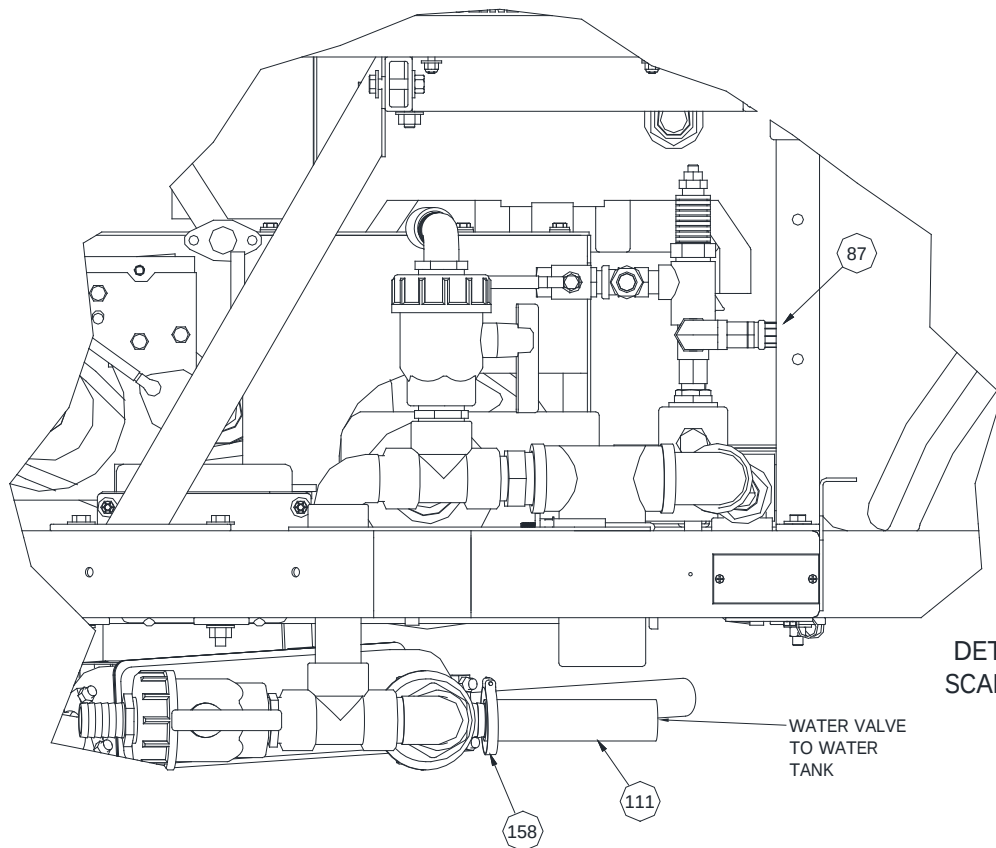
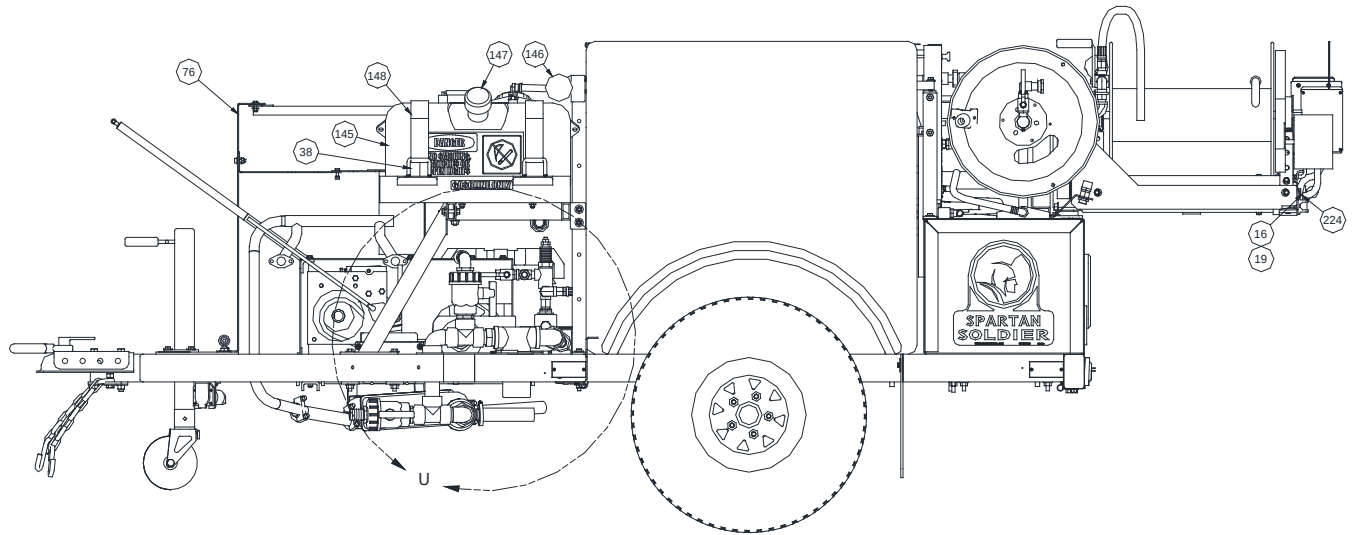
DETAIL A



SECTION C-C



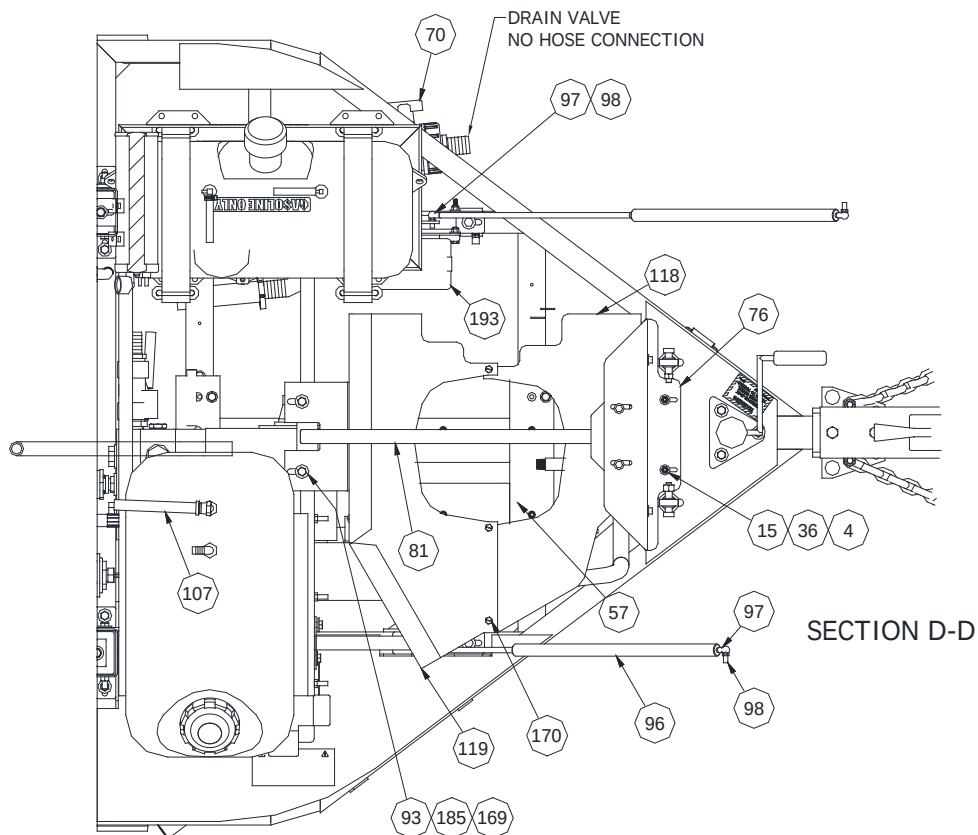
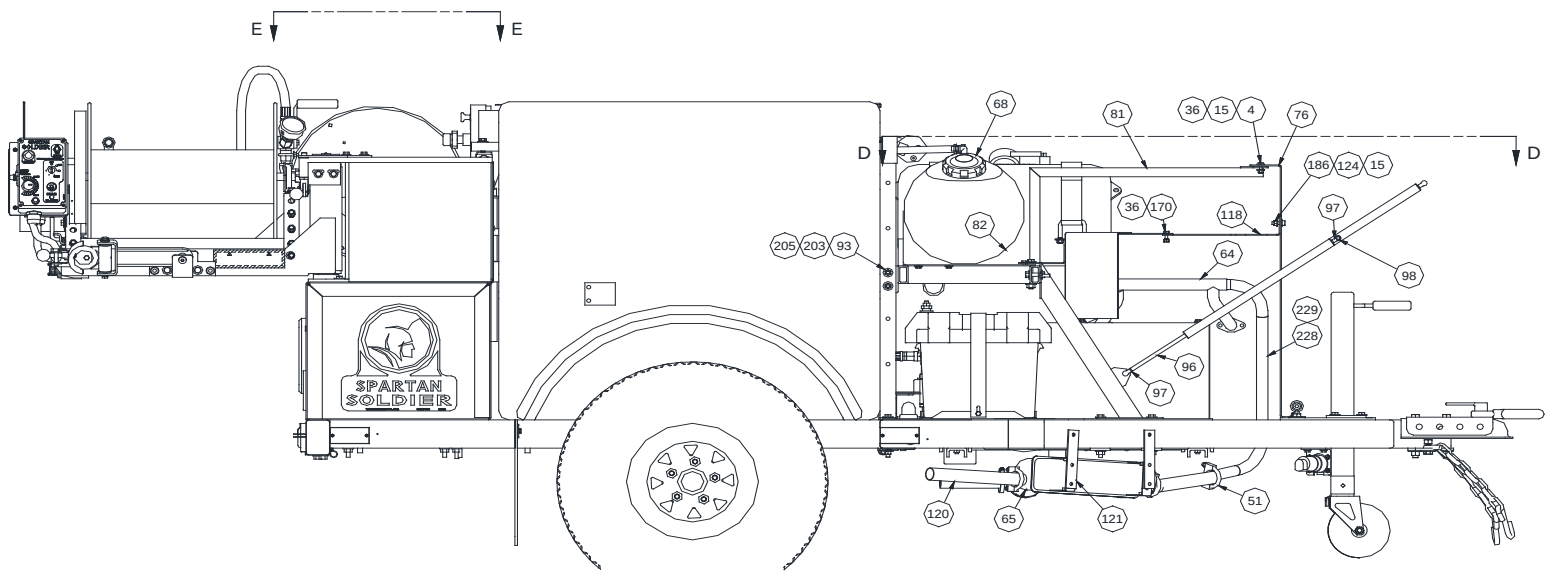
Soldier Jet Assembly - 75840800



DETAIL U
SCALE 1 / 4

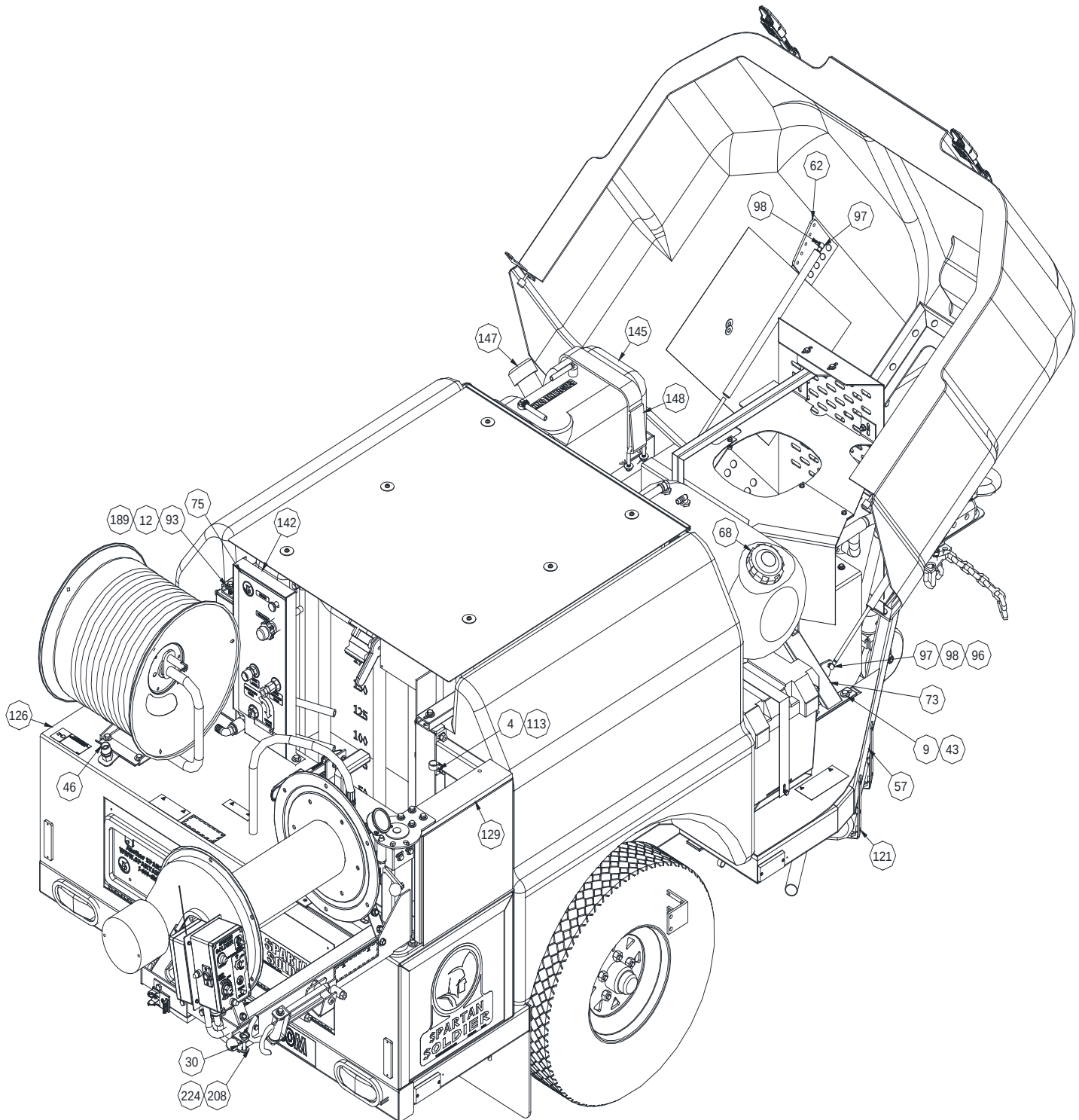


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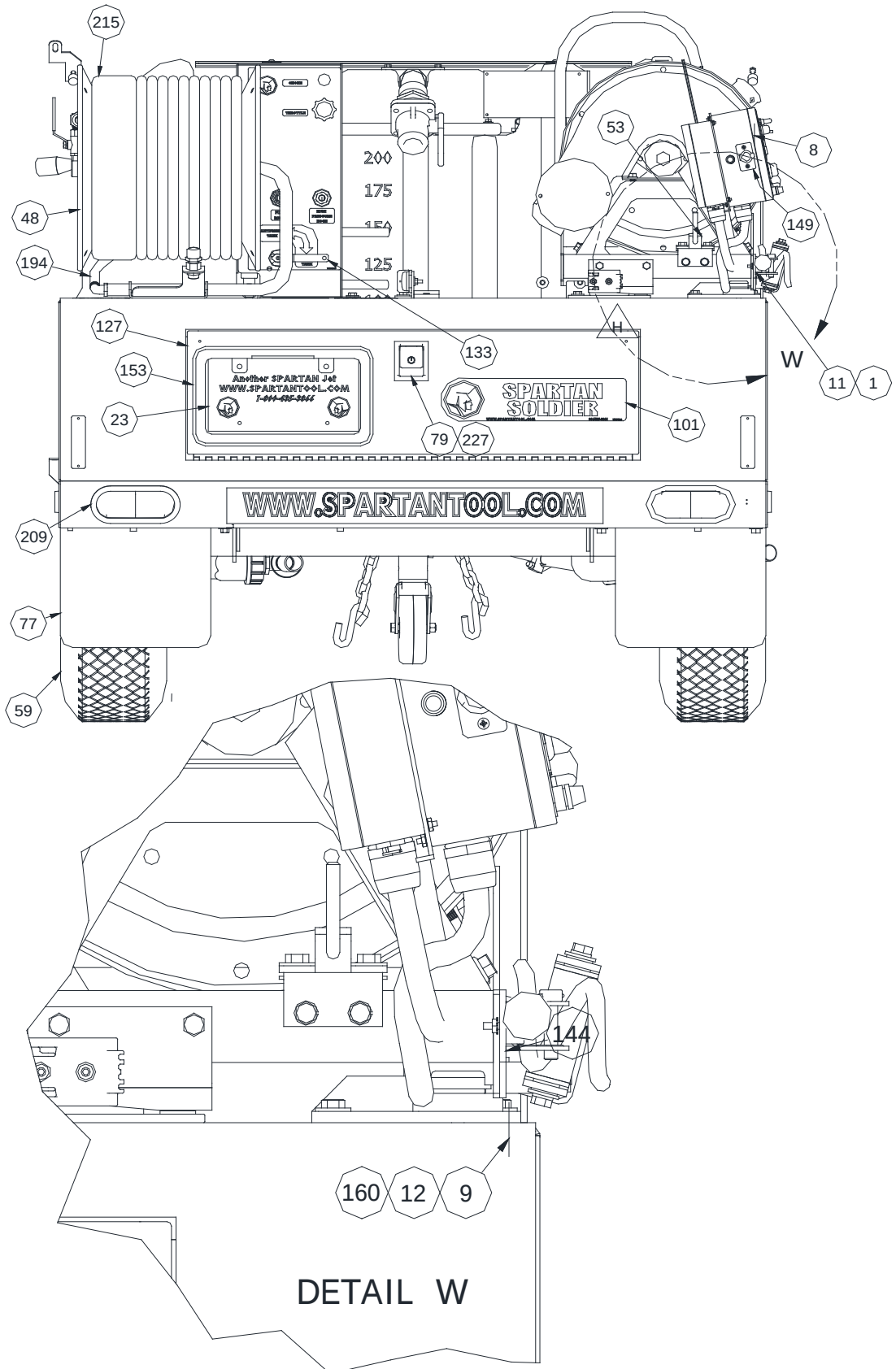


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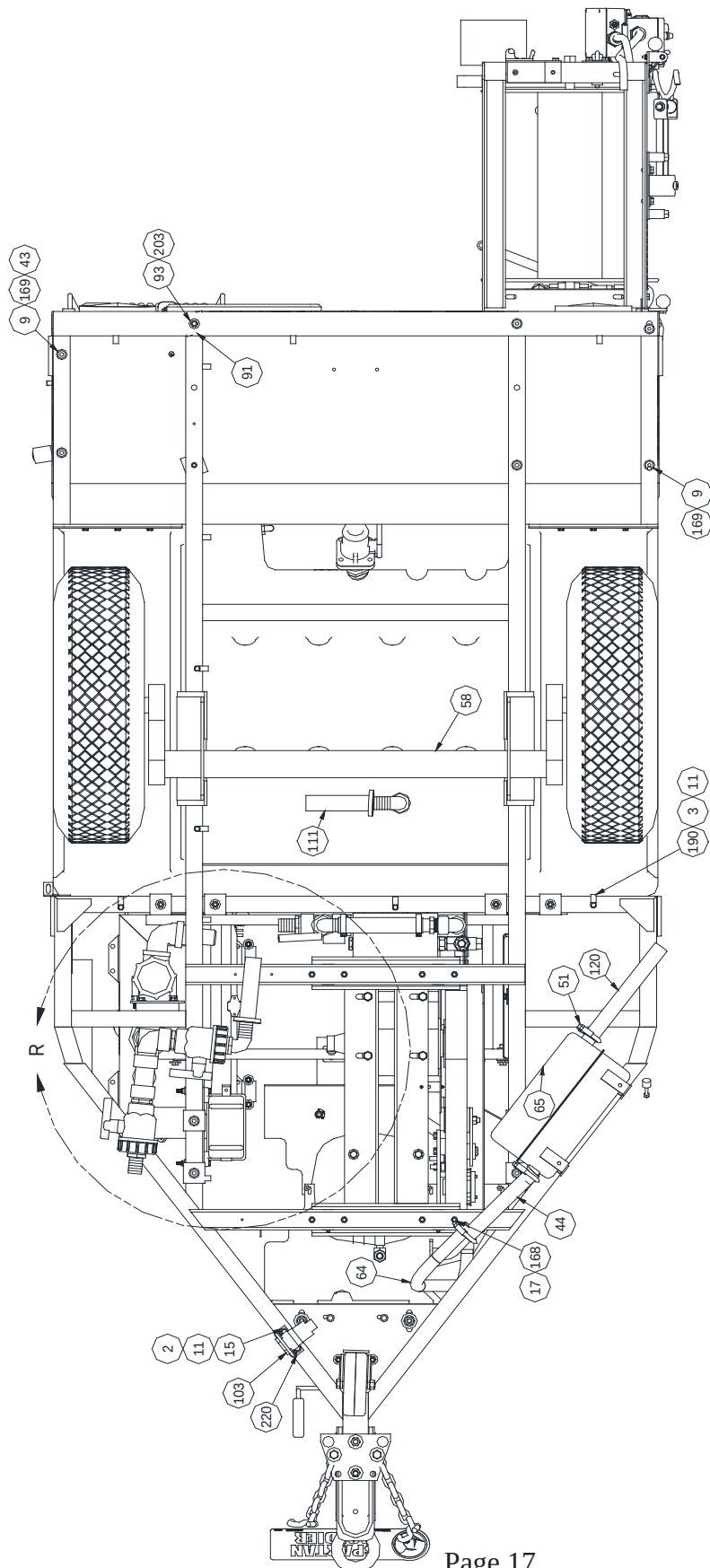


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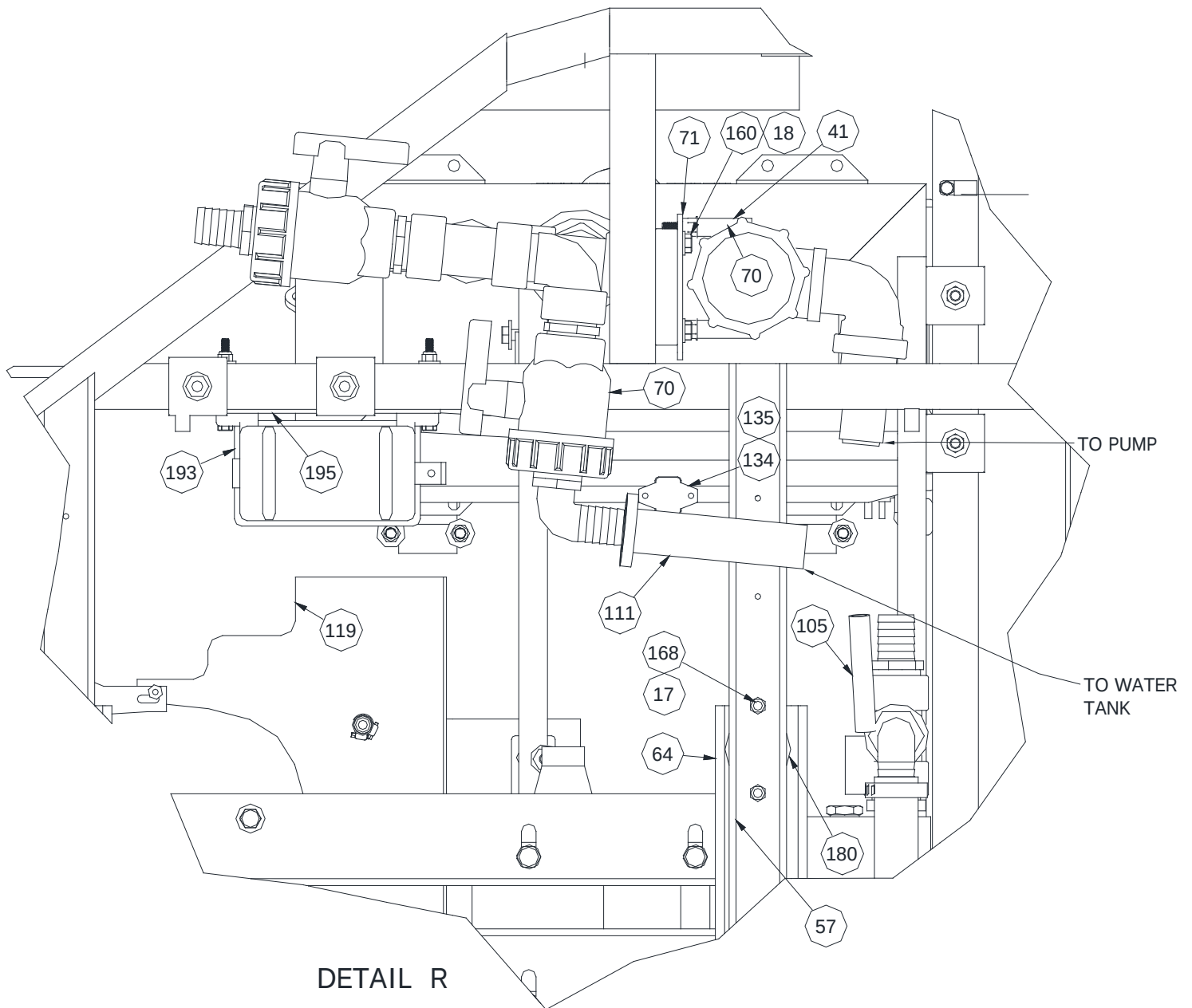


Soldier Jet Assembly - 75840800



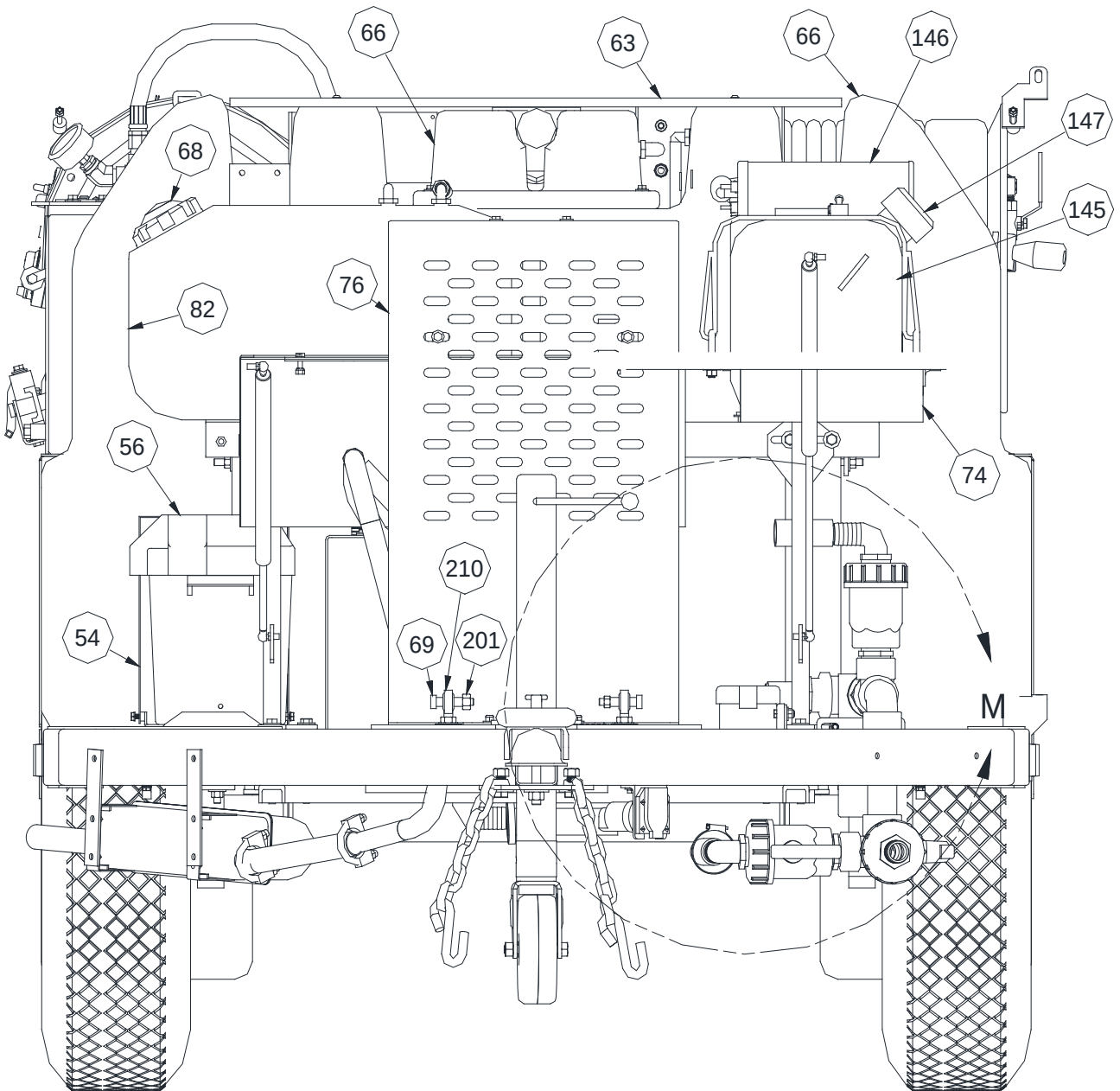


Soldier Jet Assembly - 75840800



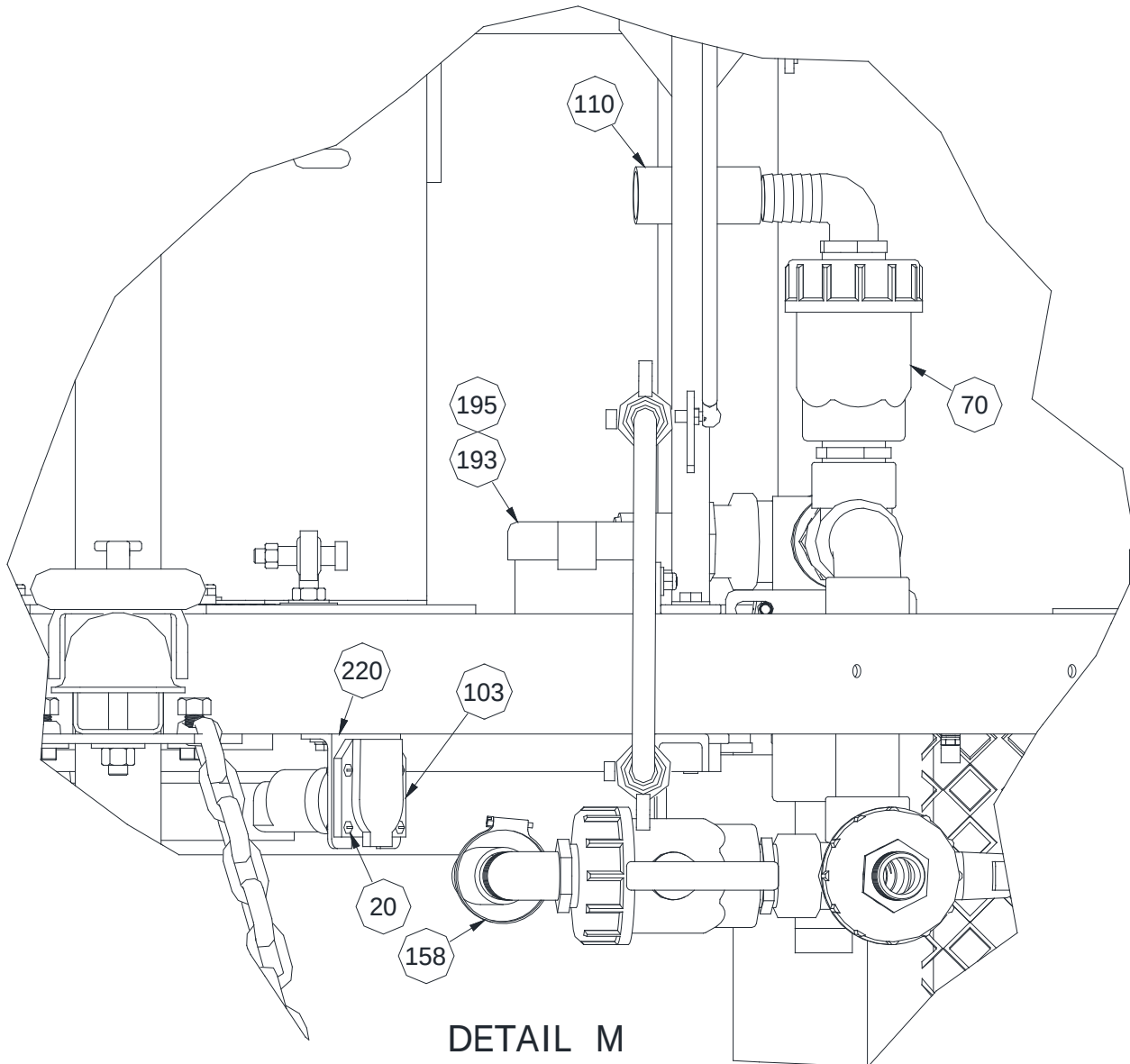


Soldier Jet Assembly - 75840800



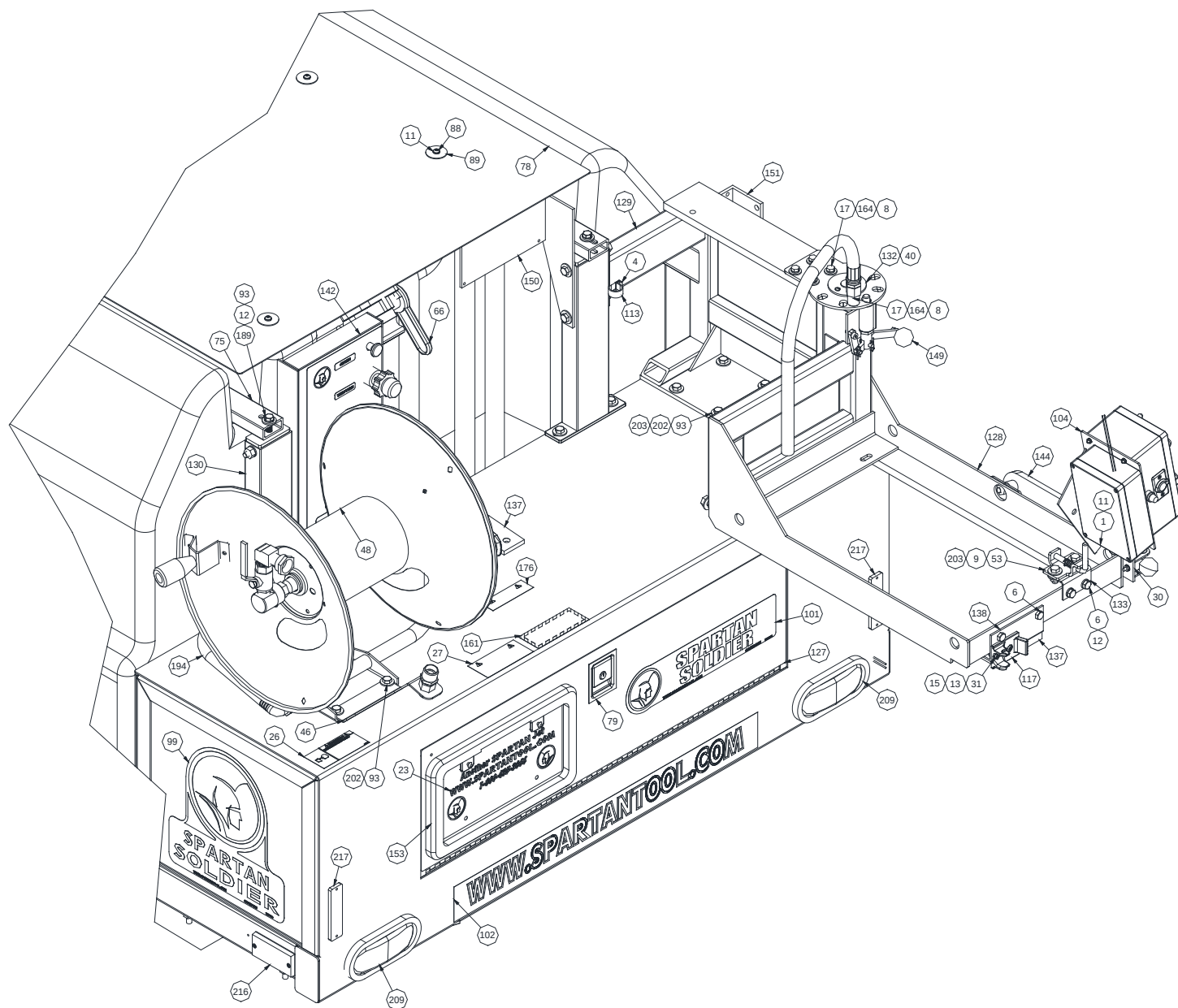


Soldier Jet Assembly - 75840800



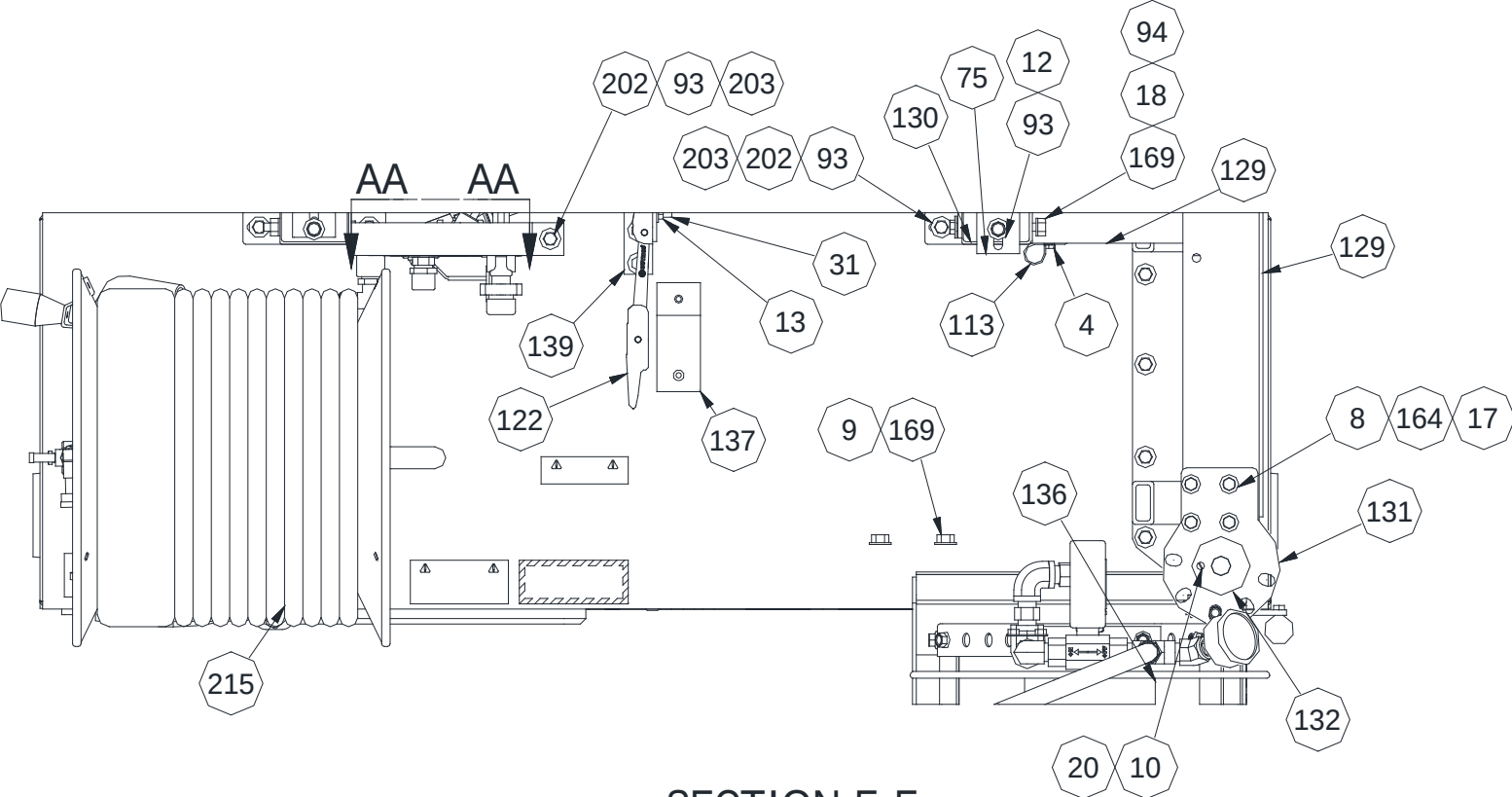


Soldier Jet Assembly - 75840800

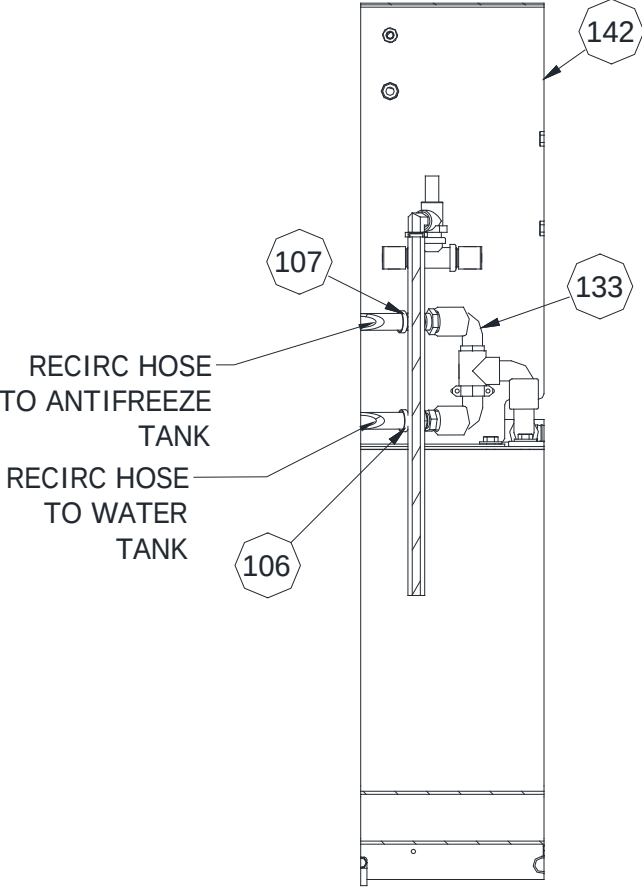




Soldier Jet Assembly - 75840800



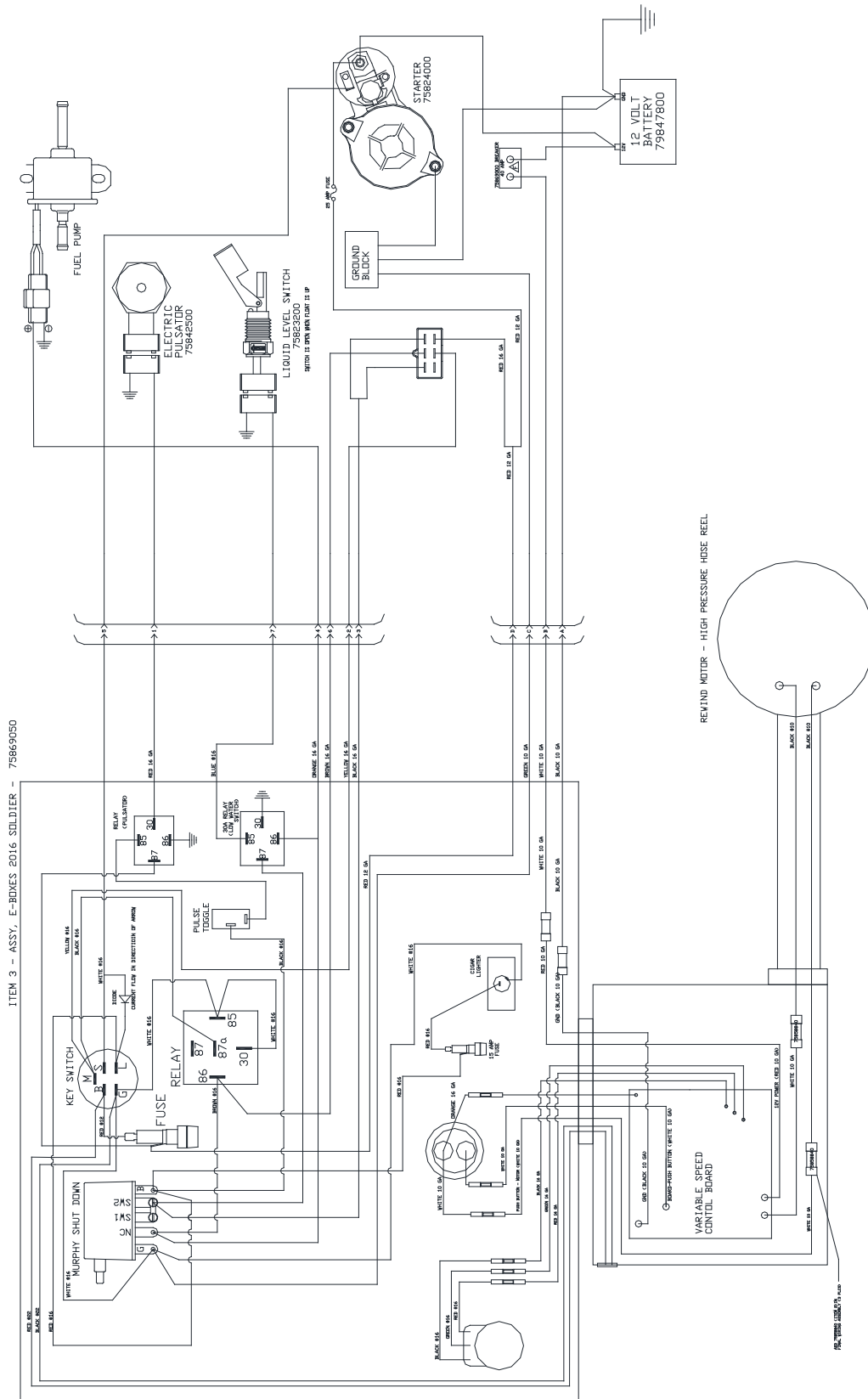
SECTION E-E



VIEW AA-AA



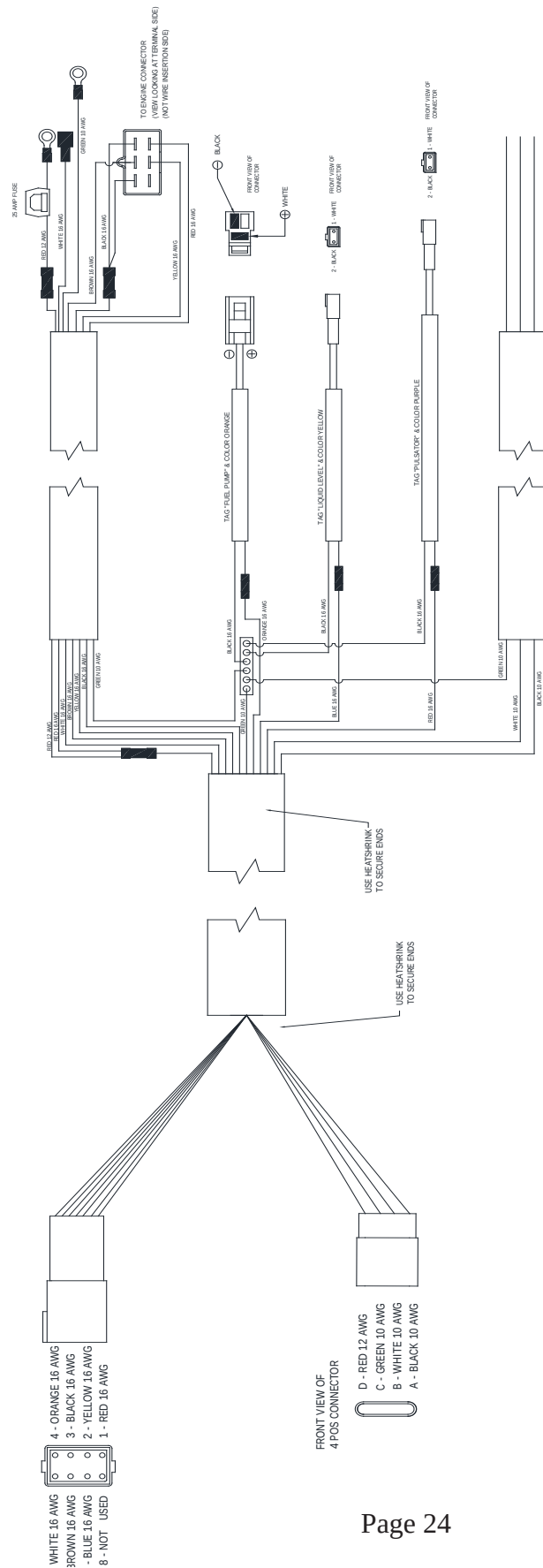
Wiring, Final Assembly - 75855000





Wiring Harness P&P

75856050

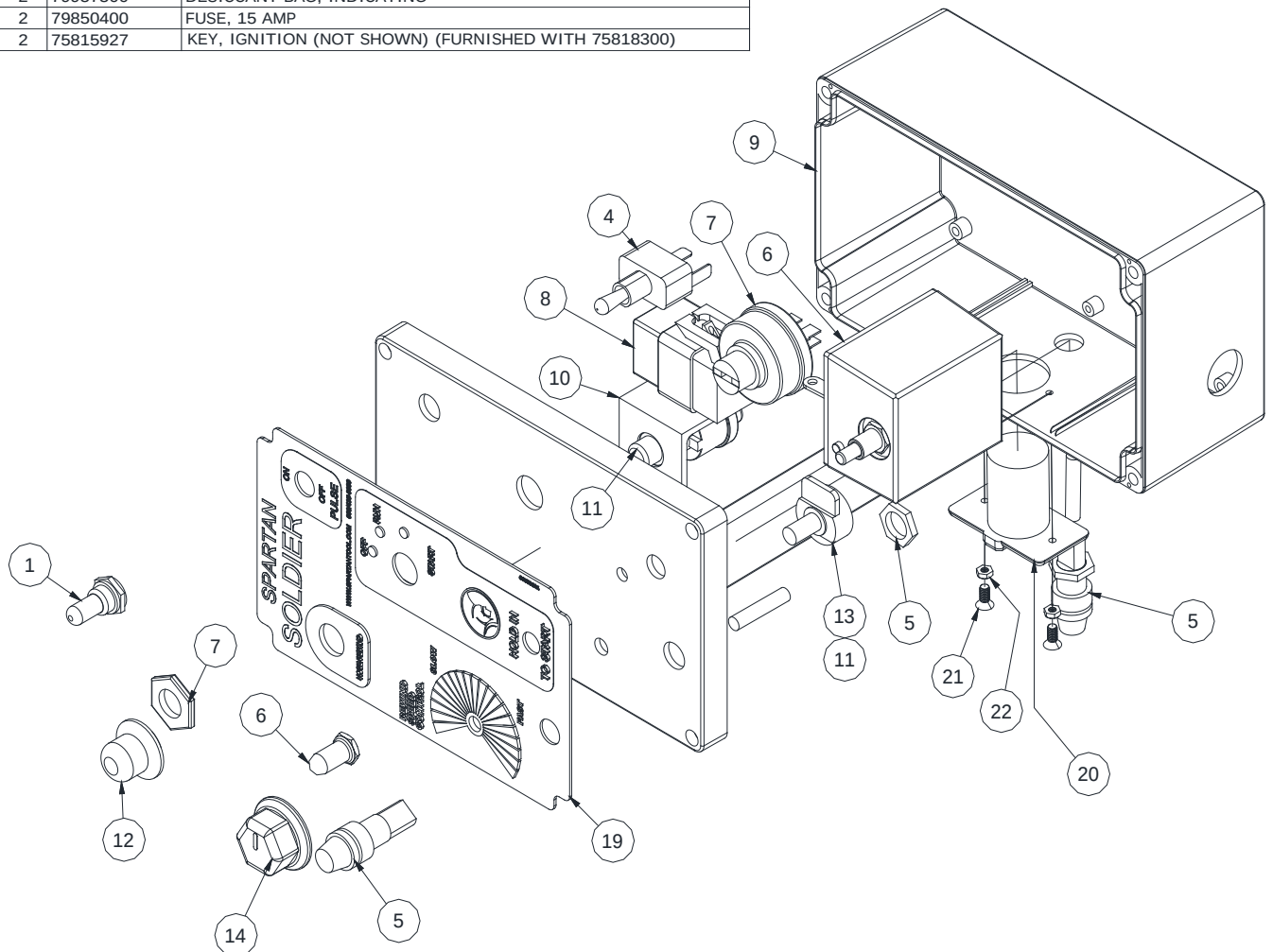
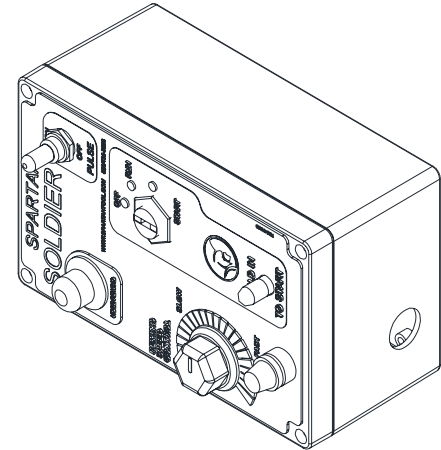




Control Box Assembly - 75845900

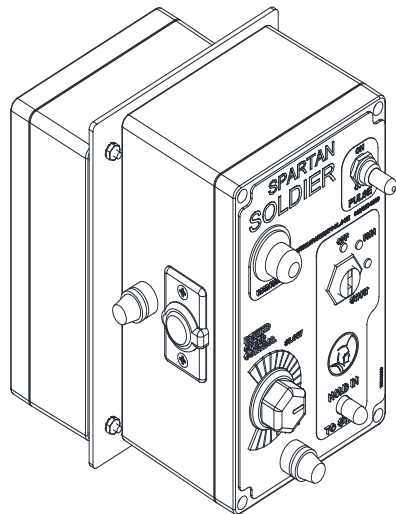
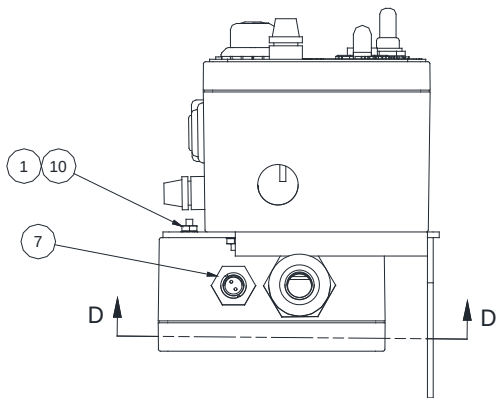
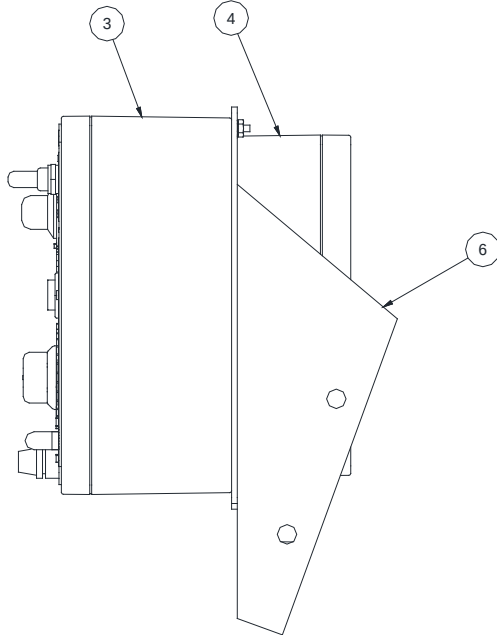
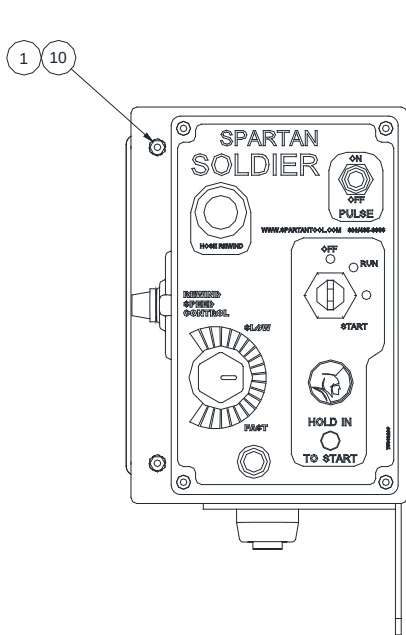


ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	44110500	RUBBER BOOT
2	12	44216100	DISCONNECT, .250 FEMALE 16-14
3	1.13	44222400	WIRE, HOOK-UP 16 AWG - BLACK
4	1	532000-01	SWITCH, TOGGLE SPST
5	2	61018000	HOLDER, FUSE
6	1	75815800	SWITCH, MURPHY SHUT-DOWN
7	1	75818300	IGNITION SWITCH (27 HP KAWASAKI)
8	1	75823600	RELAY (IGNITION)
9	1	75845800	CONTROL BOX, SOLDIER MODIFIED
10	1	75845930	CONTROLS, INTERNAL BOX SUPPORT
11	1	75846100	CONTROLS, VRBL SPD REWIND
12	1	74024700	SWITCH, PUSH BUTTON W/ BOOT (SUPPLIED WITH 75846100)
13	1	75846120	POTENTIOMETER, 1K (SUPPLIED WITH 75846100)
14	1	75846130	KNOB, ROTARY (SUPPLIED WITH 75846100)
15	4	75858810	TERM, QCK CON PGGYBCK 16-14 AWG
16	1.58	77733000	WIRE, 16 AWG STRANDED WHITE
17	2.33	77733100	WIRE, 16 GA - RED STRANDED CU
18	6	77765700	TERMINAL, #10 RING 16GA
19	1	75869200	DECAL, SOLDIER CONTROL PANEL
20	1	79804500	PLUG, 12V DC
21	2	62017800	SCREW, FLAT HD 8-32 X 3/8
22	2	61021600	NUT, 8-32
23	2	75845940	ORING, 1/4" X 3/8 BUNA
24	5	75845950	ORING, 7/16" X 9/16" BUNA
25	2	79957500	DESICCANT BAG, INDICATING
26	2	79850400	FUSE, 15 AMP
26	2	75815927	KEY, IGNITION (NOT SHOWN) (FURNISHED WITH 75818300)

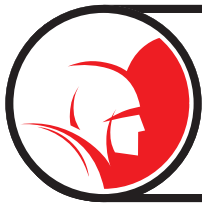




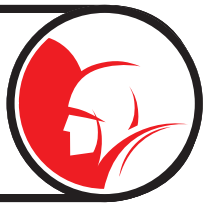
E-Box P&P Assembly - 75869050



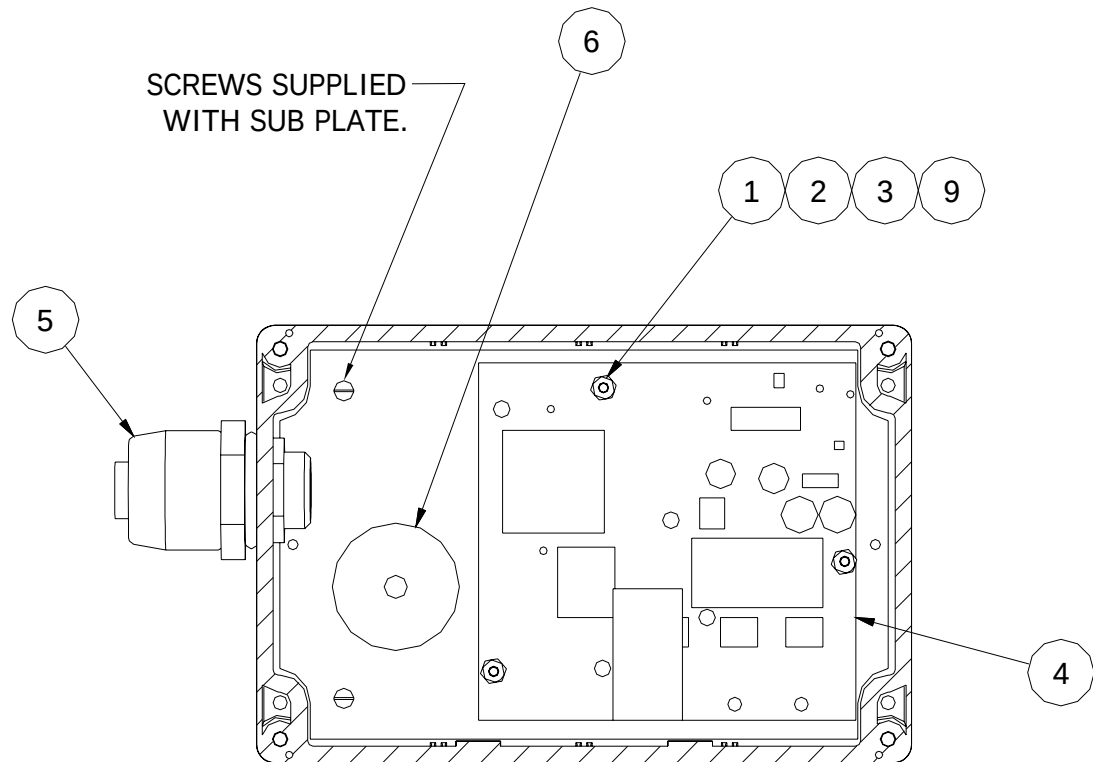
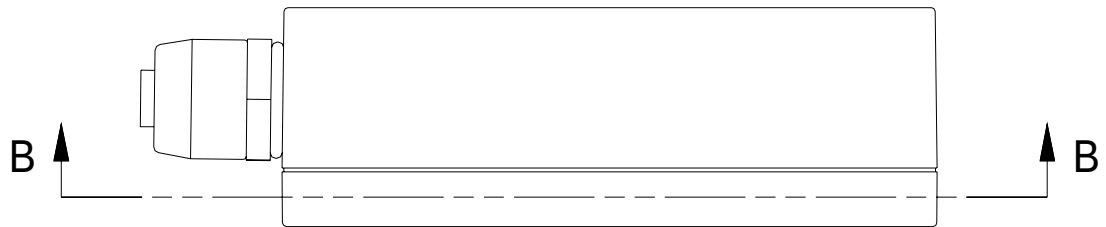
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	61026000	SCREW, 6-32 X 1/2 PAN HD PHIL
2	2	73815600	SCREW, MACH FIL HD 6-32 X 1/4
3	1	75845900	ASSY, 758 CONTROL BOX
4	1	75860700	VARIABLE SPEED ENCLOSURE ASSEMBLY
5	1	75869500	GROMMET, 3/8 ID - 3/4 OD - 3/4 THCK
6	1	75869900	WLDMNT, E-BOXES SOLDIER 2010
7	1	75875850	HARNESS, WIRING - MAIN POWER
8	5	77751700	DISCONNECT, MALE BULLET STYLE
10	6	77789100	NUT, KEP #6-32 ZINC PLATED



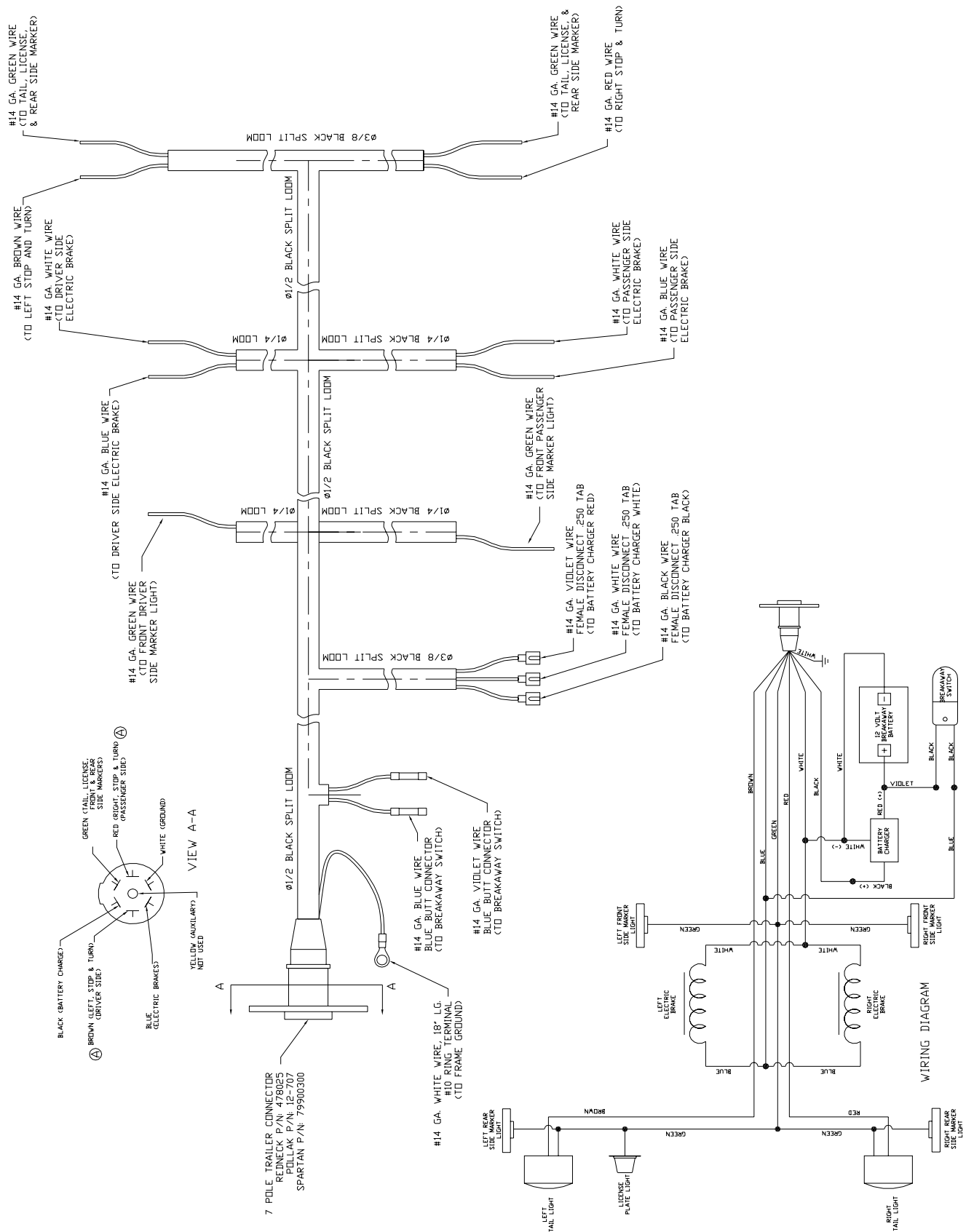
Variable Speed Enclosure Assembly - 75860700

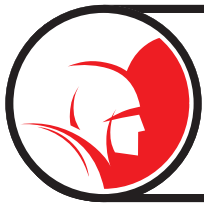


ITEM #	QTY	PART NO.	DESCRIPTION
1	3	62018200	NUT, HEX NYLOCK 4-40
2	4	63011700	SPACER, CIRCUIT BOARD DAUGHTER/MOTHER
3	3	63011900	SCREW, 4-40 X 7/8 PAN HEAD
4	1	75846100	CONTROLS, VAR SPED REWIND
5	1	75857600	1/2" CONNECTOR, LIQ TIGHT BLACK
6	1	75860600	VARIABLE SPEED SUBPLATE
7	1	75860710	ENCLOSURE, VARIABLE SPEED
8	2	79957500	DESICCANT BAG, INDICATING
9	6	75856120	WASHER, FLAT #4

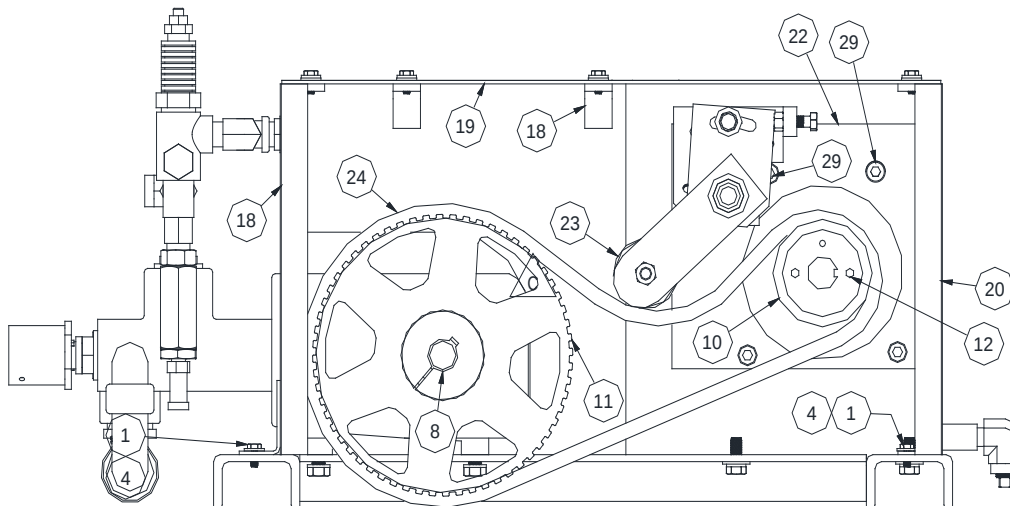
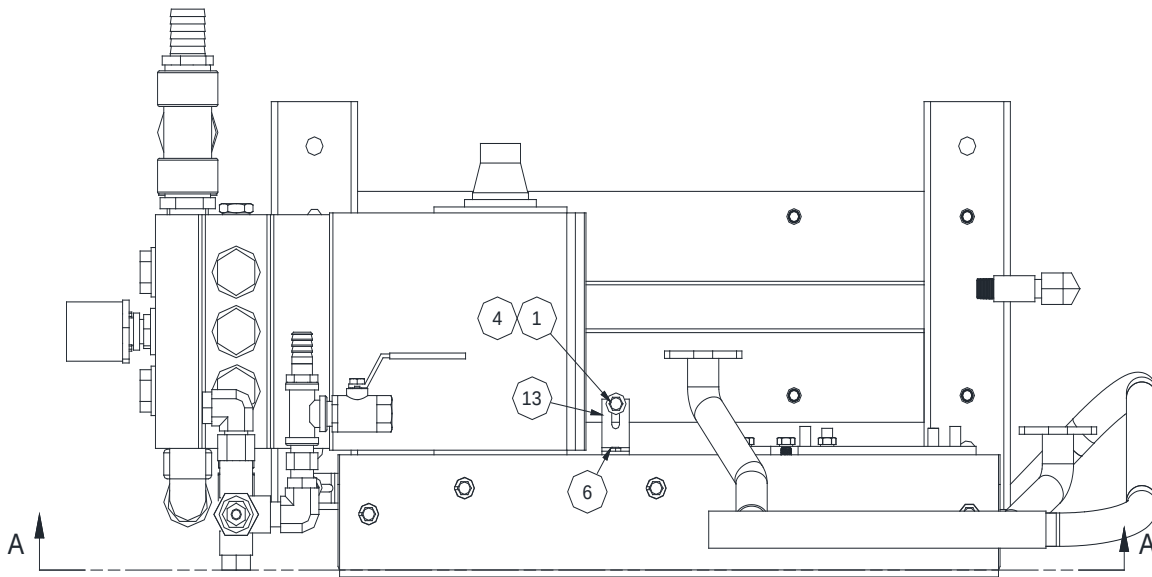


SECTION B-B
SCALE 1 / 2



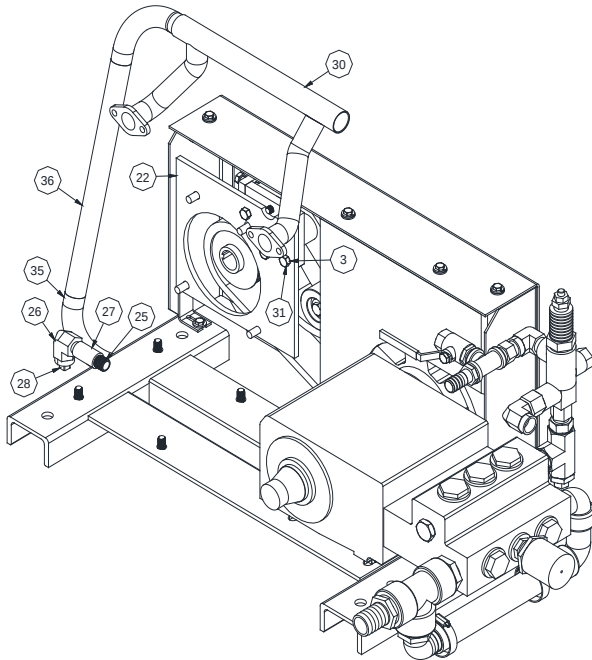


Power Pak Assembly - 75841300

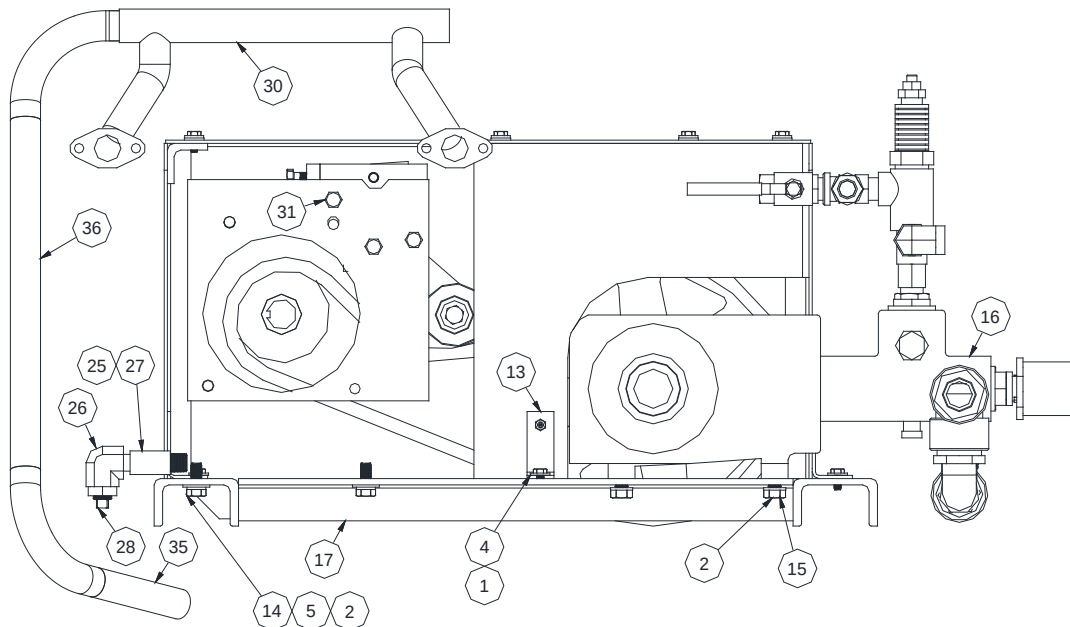




Power Pak Assembly - 75841300



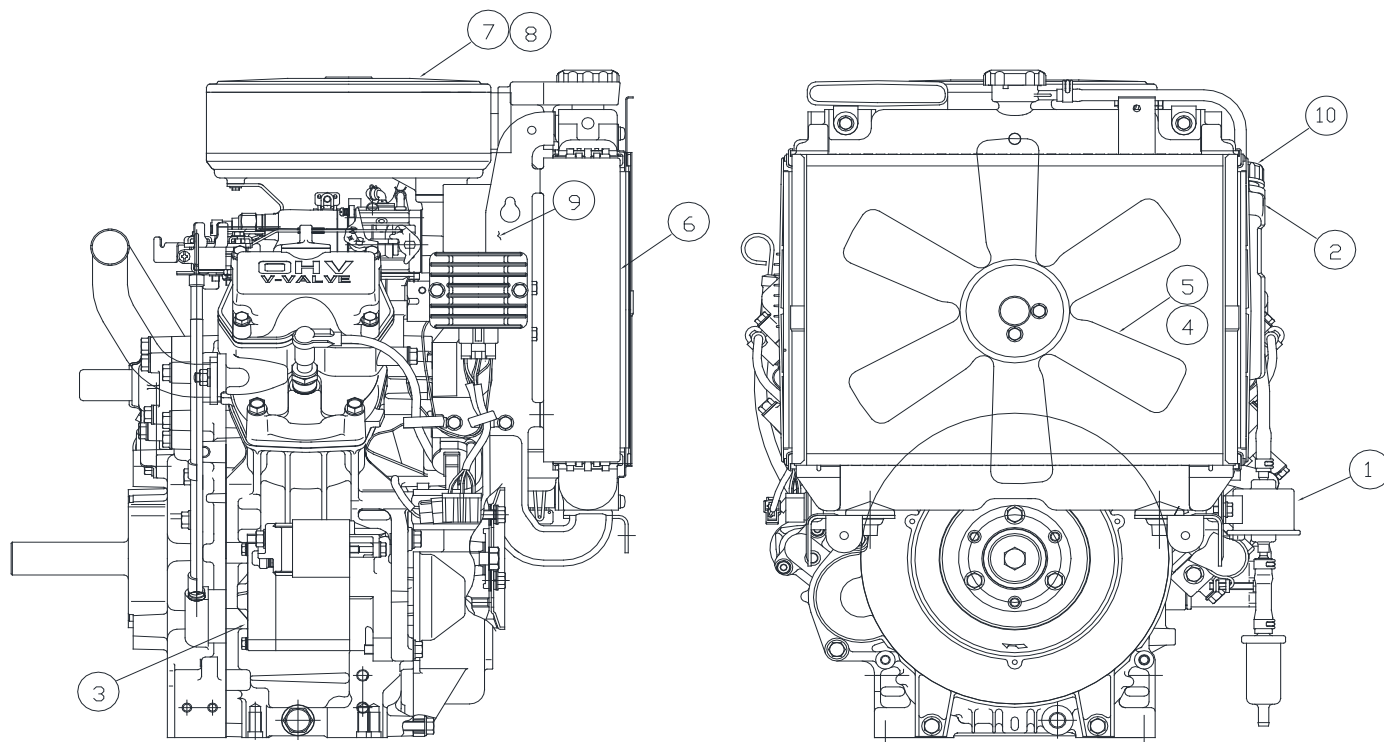
ITEM	QTY	PART NUMBER	DESCRIPTION
1	9	00113600	SCREW, HX HD CAP 1/4-20 X 5/8
2	4	00162700	WASHER, FLAT 3/8
3	11	00165400	WASHER, LOCK SPLIT 1/4
4	11	02825100	WASHER, FLAT 1/4 USS
5	8	44029500	WASHER, SPLIT LOCK M10
6	1	44119500	SCREW, SELF TAPPING 10-24 X 1/2
8	1	73810500	BUSHING, DRIVEN (SF X 28mm)
9	1	75818000	ENGINE, 758 KAWASAKI (not shown)
10	1	75820500	SHEAVE, DRIVE 22HP200
11	1	75820600	SHEAVE, DRIVEN 60HQ200
12	1	75820700	BUSHING, DRIVE P2 1-1/8
13	1	75820800	BRACKET, BELT GUARD
14	5	75822800	SCREW, CAP M10 X 25mm
15	4	75823100	SCREW, CAP M12-1.75 X 25mm
16	1	75841100	ASSY, 758 PUMP
17	1	75841200	WELDMENT, POWER PAK SUPPORT
18	1	75842200	WELDMENT, 758 BELT GUARD
19	1	75842220	COVER, 758 BELT GUARD
20	1	75842260	WELDMENT, 758 BELT GUARD END
22	1	75846900	PLATE, BELT TENSIONER MOUNT
23	1	75847000	ASSY, SOLDIER BELT TENSIONER
24	1	75848600	BELT, 510H200 (SOLDIER)
25	1	75860200	3/8" NPT CLOSE NIPPLE
26	1	75860210	ELBOW, 90 DEG. STREET 3/8"
27	1	75860220	3/8" NPT COUPLER
28	1	75860250	3/8" NPT PLUG
29	3	75860330	SCREW, M10-1.5 X 25MM SOCK CAP
30	1	75861700	WELDMENT, SOLDIER MANIFOLD
31	3	77738300	SCREW, HEX HD 3/8-16 X 3/4
34	1	74015900	DISPLAY, TACH/ HOURS (NOT SHOWN)
35	5 FT	73833500	PIPE, FLEXIBLE EXHAUST (ADDED AT FINAL ASSY)
36	12 FT	75855500	WRAP, HIGH TEMPERATURE EXHAUST





Engine, 758 Kawasaki

75818000



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	75816700	PUMP, FUEL ELECTRIC
2	1	75817300	TANK, COOLANT
3	1	75824000	STARTER, 27HP
4	1	75824100	FAN, 27 HP
5	1	75825100	SHROUD, FAN 27 HP
6	1	75826000	RADIATOR 758 JET 27 HP
7	1	75826500	AIR FILTER ELEMENT
8	1	75826600	OUTER FOAM ELEMENT 27 HP
9	1	75826010	BRACKET, RADIATOR SUPPORT (SET)
10	1	75817310	CAP, COOLANT

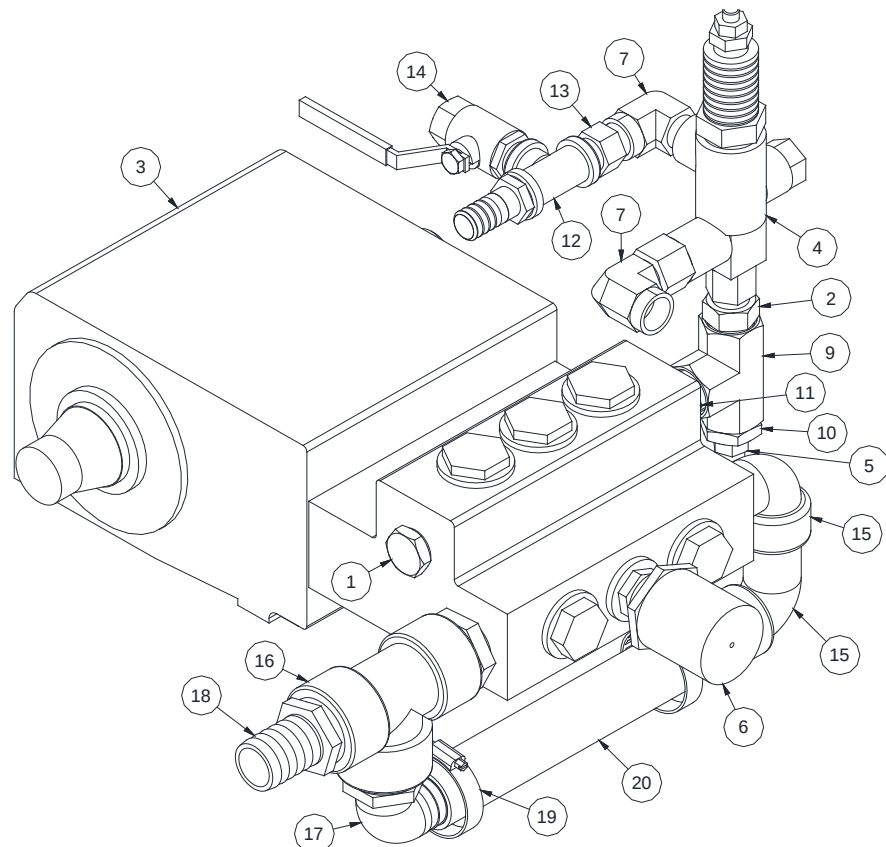


HP Pump Assembly

75841100



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	542103-05	PLUG, HEX HD 3/4 STEEL
2	1	73811700	NIPPLE, HEX 3/4 X 1/2 STEEL
3	1	75800500	PUMP, GIANT MP4124W
4	1	75802800	UNLOADER, 758
5	1	79973000	VALVE, POP-OFF
6	1	75842500	PULSATOR VALVE, ELECTRIC
7	2	77705101	ELBOW, 90 DEG. STREET 1/2"
8	32 oz	77741400	OIL, PUMP 85W 140 Gear WT
9	1	79816100	TEE, FEMALE 3/4 NPT STEEL
10	1	79816300	BUSHING, REDUCER 3/4 x 1/4
11	1	79825300	NIPPLE, HEX 3/4 NPT STEEL
12	1	79904466	TEE, 1/2" NPT BRASS
13	1	77770800	NIPPLE, HEX 1/2 NPT
14	1	72704800	VALVE, BALL 1/2 M X 1/2 F
15	2	75803200	ELBOW, 90 DEG. STREET 1" POLY
16	1	75803000	TEE, 1-1/4 POLYPROPYLENE
17	1	79818600	HOSE BARB, 1-1/4 POLYPROPYLENE
18	1	79812000	HOSE BARB, 1-1/4 POLYPROPYLENE
19	2	73831200	CLAMP, HOSE 1-1/16" - 2" #24
20	1	77710200	HOSE 1-1/4 X 4 SPIRAL SM
21	1	73827400	NIPPLE, REDUCER 1-1/4 X 1 POLYPROPYLENE
22	1	75843400	HOSE BARB, PP 1" MNPT TO 1-1/4" HB
23	1	79843910	3/4" HOSE BARB X 1/2" MPT STRAIGHT





Soldier Pump Parts List



ITEM #	QTY	PART NO.	DESCRIPTION
1	1	75800505	Crankcase
2	1	75800506	Oil Filler Cap
3	1	75800507	O-Ring, Filler Cap
4	1	75800508	Cover, Crankcase
5	1	75800509	O-Ring, Crankcase Cover
8	1	75800510	Oil Dip Stick
9	1	75800511	O-Ring, Dip Stick
10	4	75800512	Screw, Crankcase Cover
11	12	75800513	Spring Washer
12	1	75800514	Oil Drain Plug
13	1	75800515	Gasket, Oil Drain Plug
14	2	75800516	Bearing Cover
15	2	75800517	Seal, Crankshaft
16	2	75800518	O-Ring, Bearing Cover
17	8	75800519	Hex Screw, Bearing Cover
20	2	75800520	Rolling Bearing, Tapered
20A	3	75800521	Shim
21	1	75800522	Shaft Protector
22	1	75800523	Crankshaft
23	1	75800524	Key
24	3	75800525	Connecting Rod
24A&B	6	75800526	Hex Screw w/ Washer, Conn. Rod
25	3	75800527	Crosshead Complete
28	3	75800528	Crosshead Pin
29A	3	75800529	Centering Sleeve
29B	3	75800530	Ceramic Plunger, 24mm
29C	3	75800531	Bolt, Sold only w/ #07258
29D	3	75800532	Seal Washer
30	3	75800533	Flinger
31	3	75800534	Crankcase Oil Seal

ITEM #	QTY	PART NO.	DESCRIPTION
35A	3	75800535	Rear Support Ring
35B	3	75800536	Rear V-Sleeve
35C	3	75800537	Rear Pressure Ring
36	3	75800538	Snap Ring
39	3	75800539	Pressure Ring
40	3	75800540	V-Sleeve
41	3	75800541	Support Ring
41A	3	75800542	Spacer
42	3	75800543	Tension Spring
42A	3	75800544	Tension Plug
42B	3	75800545	O-Ring
43	1	75800546	Manifold Head
43A	2	75800547	Plug
43B	2	75800548	Plug
44	6	75800549	Valve Seat
44A	6	75800550	O-Ring, Valve Seat
45	6	75800551	Valve Plate
46	6	75800552	Valve Spring
47	3	75800553	Spring Retainer, Discharge
48	3	75800554	Plug, SS
48A	3	75800555	O-Ring Plug
49	6	75800556	Stud, Manifold
49A	2	75800557	Shim, Stud
50	6	75800558	Nut, Manifold Stud
50A	6	75800559	Spring Washer
51	3	75800560	Spacer
52	3	75800561	Valve Housing
52A	3	75800562	Spacer Ring
53	3	75800563	O-Ring
53A	3	75800564	O-Ring
54	3	75800565	Spring Retainer, Inlet



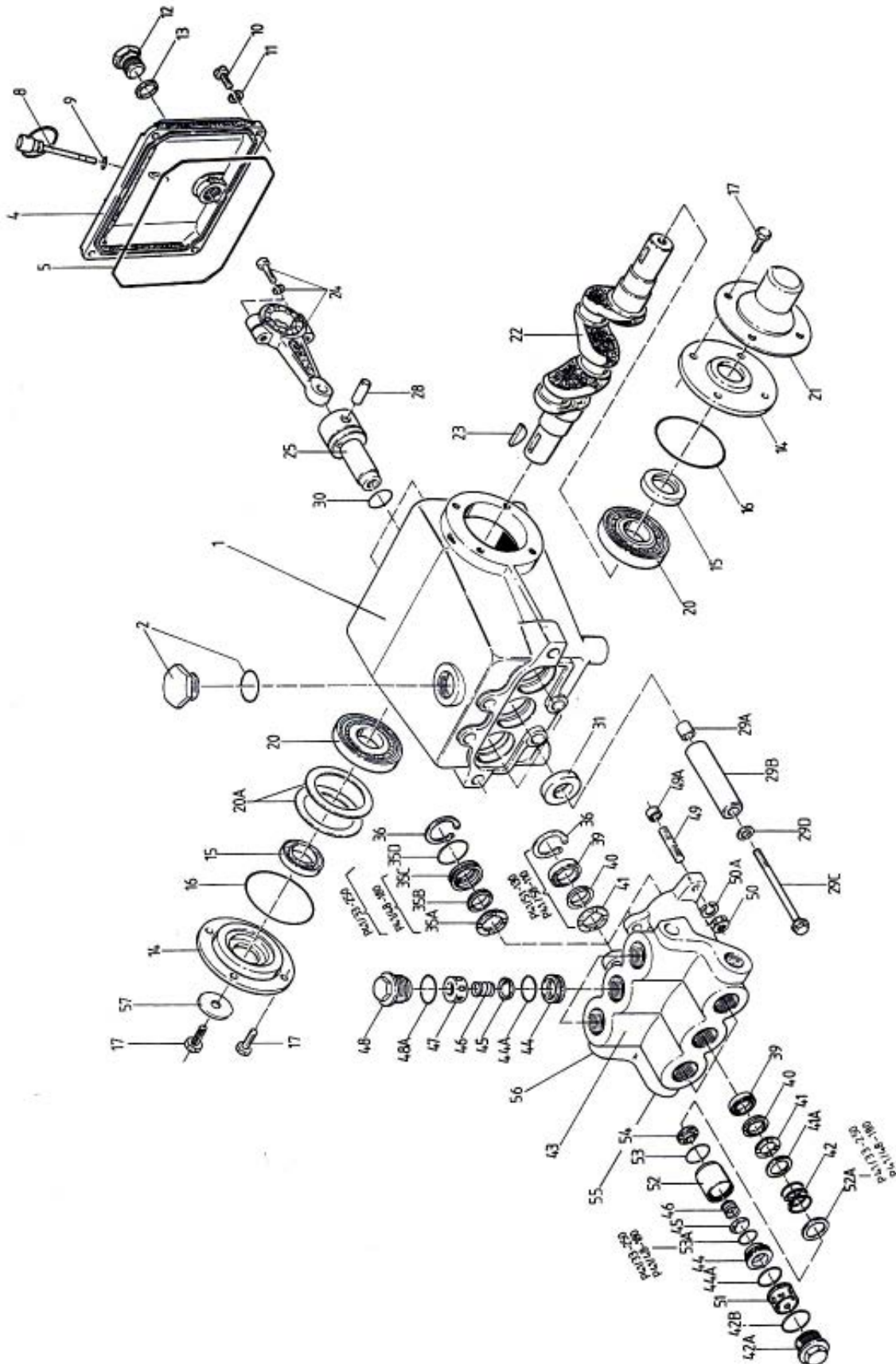
Soldier Pump Torque Specifications



ITEM #	QTY	PART NO.	DESCRIPTION
17	75800519	Hex Screw, Bearing Cover	125 in. - lbs.
24A	75800526	Hex Screw, connecting Rod	250 in. - lbs.
29C	75800531	Bolt, Plunger	300 in. - lbs.
50	75800558	Nut, Manifold Stud	700 in. - lbs.



Soldier Pump - Exploded View





Soldier Pump Repair Kits



Inlet Valve Assy. Kit (75800567)

ITEM #	PART NO.	DESCRIPTION
3	75800545	O-Ring Tension Plug
3	75800550	O-Ring, Valve-Seat
3	75800549	Valve Seat
3	75800564	O-Ring
3	75800551	Valve Plate
3	75800552	Valve Spring
3	75800563	O-Ring
3	75800565	Spring Retainer

Discharge Valve Assy. Kit (75800568)

ITEM #	PART NO.	DESCRIPTION
3	75800555	O-Ring, Plug
3	75800553	Spring Retainer
3	75800552	Valve Spring
3	75800550	O-Ring
3	75800549	Valve Seat
3	75800551	Valve Plate

Plunger Packing Kit (75800566)

ITEM #	PART NO.	DESCRIPTION
3	75800540	V-Sleeve
3	75800536	Rear V-Sleeve

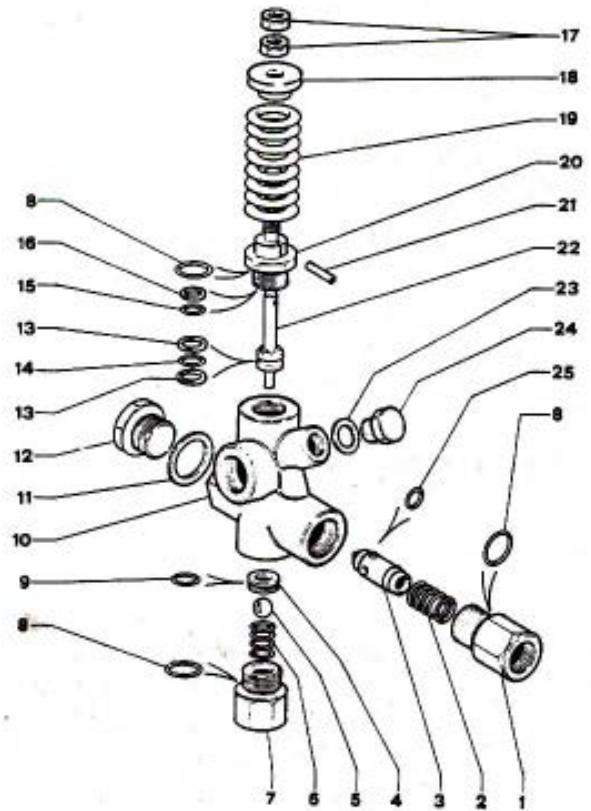


Unloader - 75802800



ITEM #	QTY	PART NO.	DESCRIPTION
		75802800	Unloader
1	1	75802801	Connection
2	1	75802802	Spring
3	1	75802803	Piston Housing
4	1	75802804	Seat
5	1	75802805	Ball
6	1	75802806	Spring
7	1	75802807	Inlet Fitting
8	3	75802808	O-Ring
9	1	75802809	O-Ring
10	1	75802810	Valve Housing
11		not used on	this model
12	1	75802811	Plug
13	2	75802812	Back Ring
14	1	75802813	O-Ring
15	1	75802814	O-Ring
16	1	75802815	Back Ring
17	2	75802816	Nut
18	1	75802817	Spring Guide
19	1	75802818	Spring
20	1	75802819	Piston Housing
21	1	75802820	Pin
22	1	75802821	Piston
23		not used on	this model
24		not used on	this model
25	1	75802822	O-Ring
		75802823	Repair Kit

PART NO.	INCLUDES ITEM NUMBERS:
75802823	4, 5, 8, 9, 13, 14, 15, 16, 25



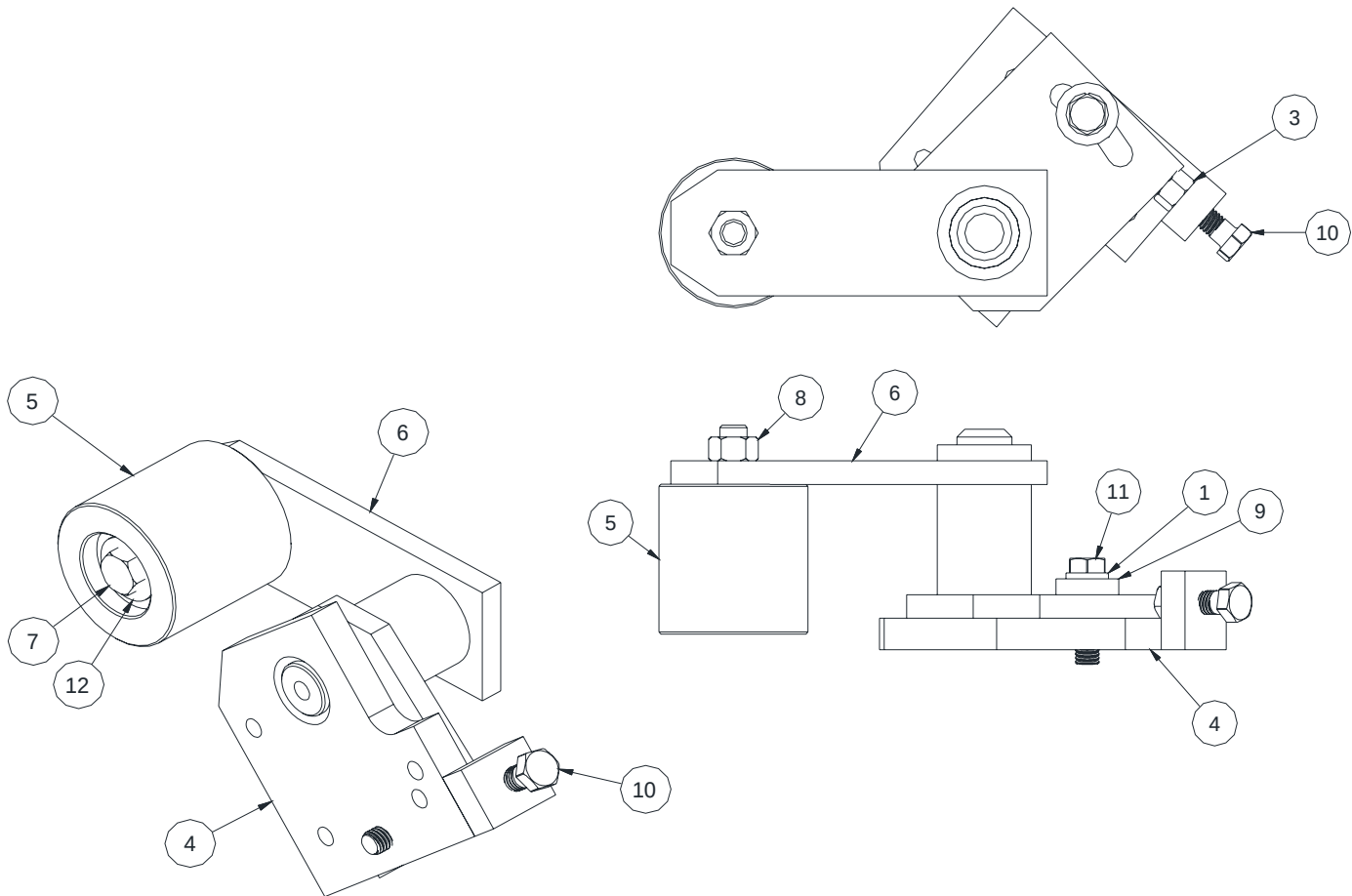
Note: Always remember to generously lubricate all moving parts with a light weight oil for easy reassembly and to give the moving parts protection when “running in” the unloader.



Soldier Belt Tensioner - 75847000

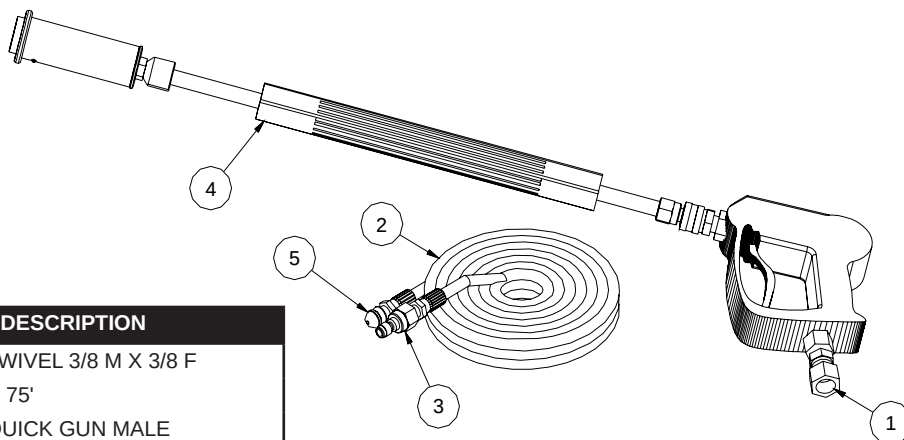


ITEM #	QTY	PART NO.	DESCRIPTION
1	1	00165800	WASHER, LOCK SPLIT 3/8
3	1	01733900	NUT, HEX 3/8-16
4	1	75848500	WELDMENT, BELT TENSIONER MOUNT
5	1	75848700	ASSY, IDLE ROLLER
6	1	75848800	WELDMENT, TENSIONER ARM
7	1	75848850	SCREW, HEX HD 7/16-14 X 3 GR8
8	1	75848860	NUT, HEX 7/16-14 GR8
9	1	77755000	WASHER, ROBO 3/8"
10	1	77759900	SCREW, HEX HD 3/8-16 X 1-1/4
11	1	75871690	SCREW, HEX HD 3/8-16 X 2
12	2	79942600	WASHER, FLAT SAE 1/2" - .074 THCK





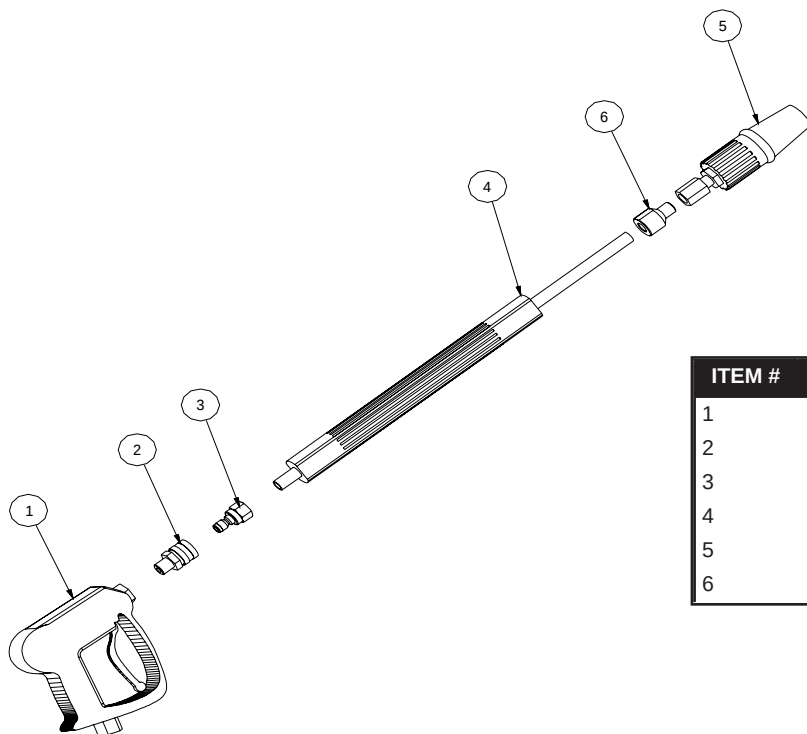
Wash Down Accessory Package - 73817300



ITEM #	QTY	PART NO.	DESCRIPTION
1	1	73816500	ADAPTER, SWIVEL 3/8 M X 3/8 F
2	1	77719500	HOSE, 1/4" X 75'
3	1	77721400	COUPLER, QUICK GUN MALE
4	1	77799800	HANDGUN LANCE V-NOZZLE ASSEMBLY
5	1	77815800	NOZZLE, 1/4" DOMED (6)



HandGun Lance V-Nozzle Assembly - 77799800



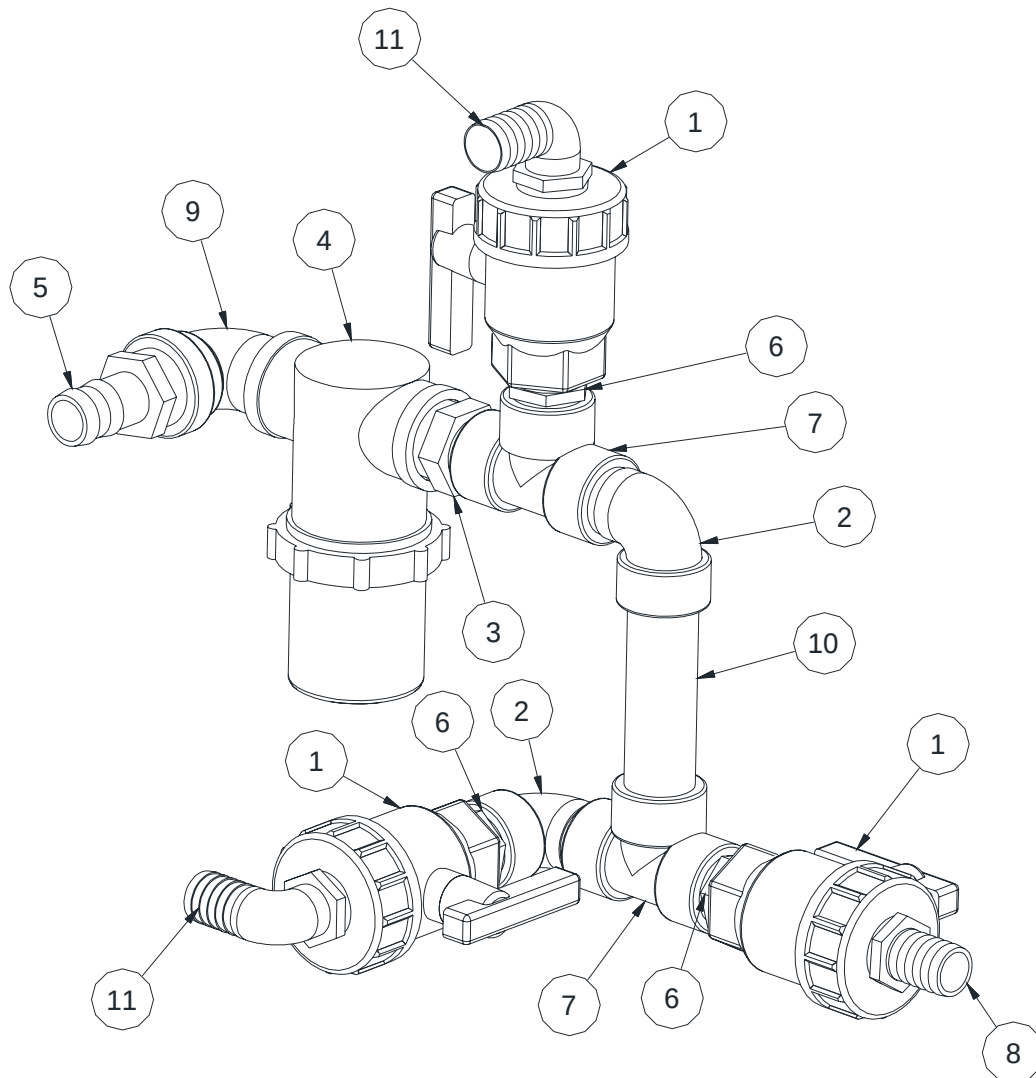
ITEM #	QTY	PART NO.	DESCRIPTION
1	1	77720100	GUN, HAND
2	1	77721300	COUPLER, QUICK GUN, 1/4" NPT MALE
3	1	77721400	COUPLER, QUICK GUN, MALE
4	1	553006-01	LANCE, INSULATED GRIP, 18"
5	1	71126100	NOZZLE - VARIABLE .080
6	1	79874400	FITTING, WAND ANTI-KICKBACK



Strainer Assembly - 75843500

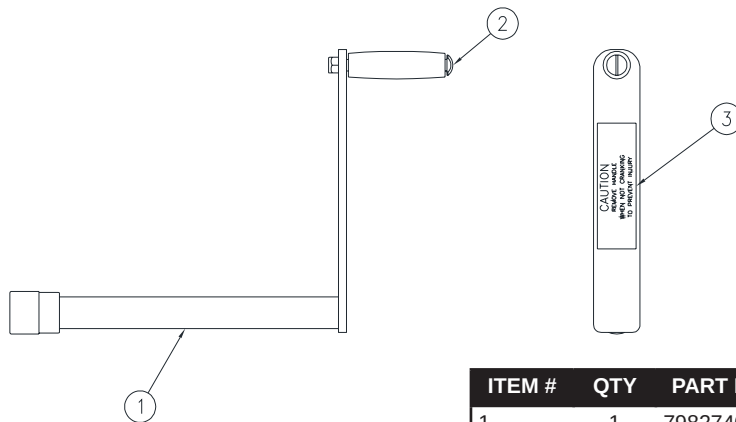


ITEM #	QTY	PART NO.	DESCRIPTION
1	3	79811500	VALVE, BALL 1-1/4FNPT X 1-1/4F
2	2	79811300	ELBOW, 90 DEG STREET 1-1/4 POLY
3	1	79811600	NIPPLE, 1-1/2 X 1-1/4 MPT POLYP
4	1	79811700	STRAINER, 1-1/2 NPT
5	1	75824700	HOSE BARB, 1-1/2 MPT X 1-1/4
6	3	75802900	NIPPLE, 1-1/4 HEX POLYPROPYLENE
7	2	75803000	TEE, 1-1/4 POLYPROPYLENE
8	1	79812000	HOSE BARB, 1-1/4 POLYPROPYLENE
9	1	79811400	ELBOW, 90 DEG STREET 1-1/2 POLY
10	1	75847300	NIPPLE, 1-1/4" NPT X 6" LENGTH PP
11	2	79818600	HOSE BARB, 1-1/4 POLYPROPYLENE





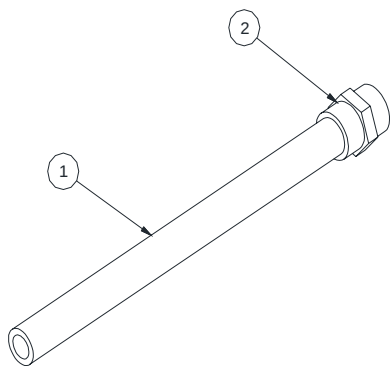
Assy, Hand Crank - 79827300



ITEM #	QTY	PART NO.	DESCRIPTION
1	1	79827400	Weldment, Hand Crank
2	1	79827800	Plastic Handle w/ Bolt & Nut
3	1	77763500	Decal, Crank



Assembly, 3/8" Anti-Turn Around - 75866500



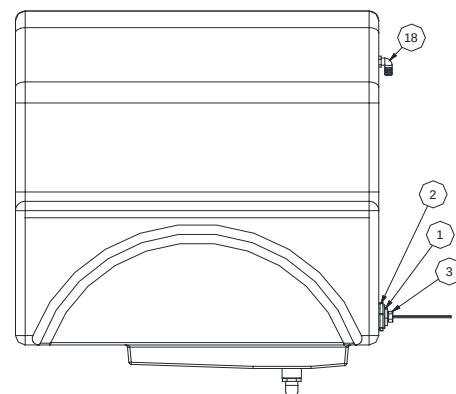
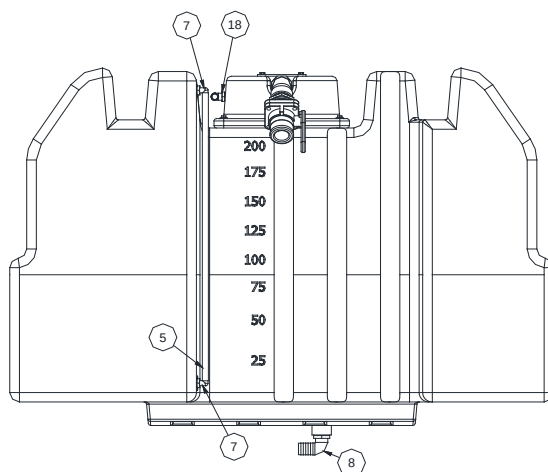
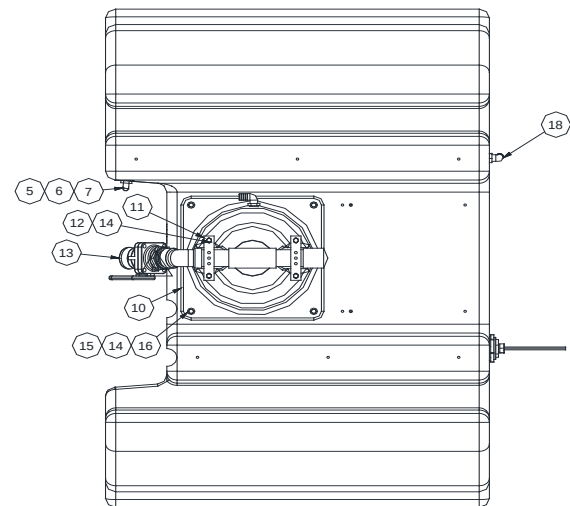
ITEM #	QTY	PART NO.	DESCRIPTION
1	1	75866510	Nipple, 3/8" x 9" Long
2	1	73818400	Coupler, Female 3/8 Hose



Water Tank Assembly - 75841600

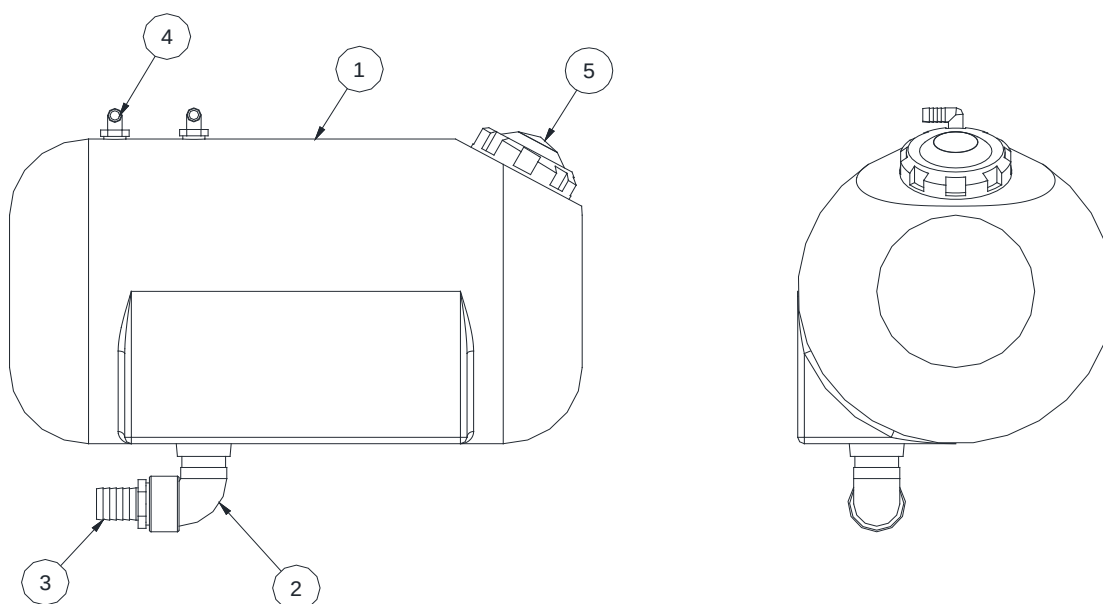


ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	73827600	BUSHING, REDUCER (MODIFIED)
2	1	73827800	BULKHEAD FITTING W/PVC CAP
3	1	75823200	SWITCH, LIQUID LEVEL
4	1	75840901	200 GAL WATERTANK, SOLDIER -MOD
5	30.625"	75841610	TUBE-SIGHT WATER LEVEL-200GAL
6	1	75841620	FLOAT, 200 GAL WATERTANK SIGHT
7	2	75851800	ELBOW, 90 DEG. HB 1/2 NPT (BLACK)
8	1	79818600	HOSE BARB, 1-1/4 POLYPROPYLENE
9	4	75867250	T-NUT, 1/4-20 THRD- 5/16 HGT
10	1	79921700	BAFFLE-INSERT
11	2	79921710	CLAMP, TANK FILL PIPE
12	4	00113600	SCREW, HEX HD CAP 1/4-20 X 5/8
13	1	75867400	HYDRANT FILL ASSY (2015)
14	8	00165400	WASHER, LOCK SPLIT 1/4
15	4	63031390	SCREW, 1/4-20 X 1-1/2" HX HD AL
16	6	02825100	WASHER, FLAT 1/4 USS
17	2	02821200	NUT, NYLOCK JAM 1/4-20
18	2	79843900	3/4" HOSE BARB X 1/2" MNPT ELBOW





Antifreeze Tank Assembly - 75847100



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	75842400	TANK, ANTIFREEZE 8-1/4 GAL.
2	1	79811300	ELBOW, 90 DEGREE STREET 1-1/4 POLYPROPYLENE
3	1	79812000	HOSE BARB, 1-1/4 POLYPROPYLENE
4	2	75811700	ELBOW, 90 DEG. HOSE BARB 1/2 NPT
5	1	75842420	CAP, ANTI-FEEZE (FURNISHED WITH TANK 75842400)

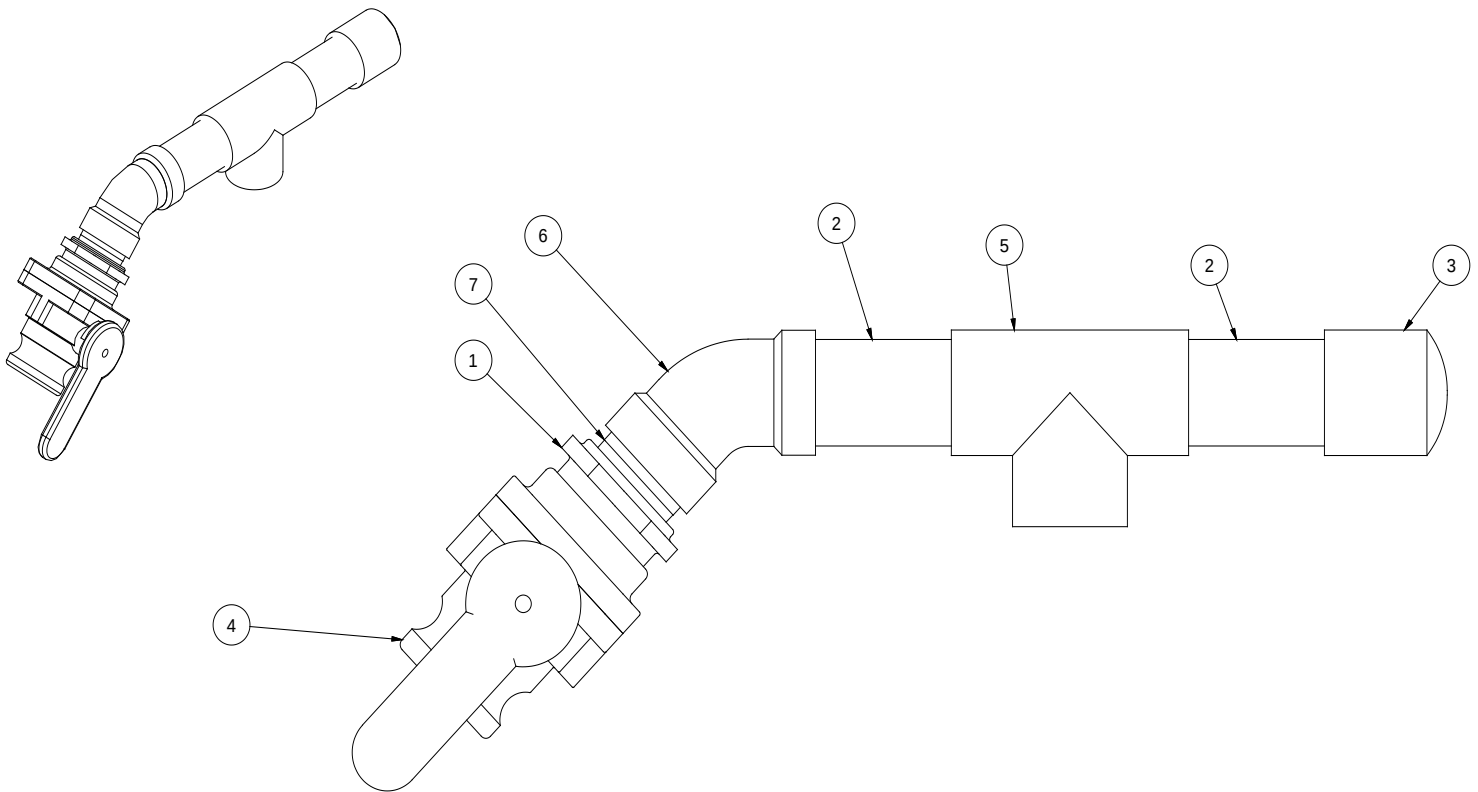


Hydrant Fill Assembly

75867400

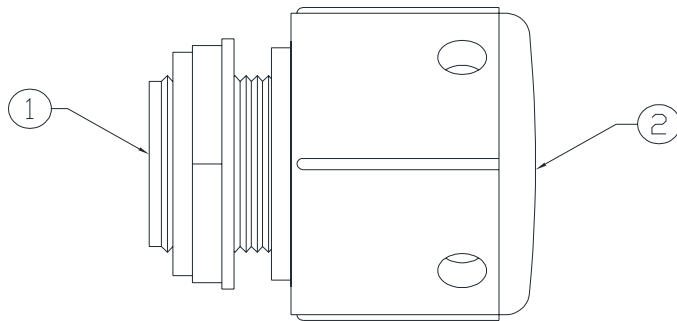


7	1	79921380	NIPPLE, 1-1/2" PVC/NPT SCH 40
6	1	79921370	ELBOW, 1-1/2" 45D SCH 40 PVC
5	1	79921340	TEE, 1-1/2" SCH 40 PVC
4	1	79842800	BALL VALVE 2" W/ QUICK COUPLER
3	1	75867420	CAP, 1-1/2" - SCH 40 PVC
2	2	75867410	PIPE, 1-1/2" X 4.25" - SCH 40 PV
1	1	75853630	2"MPT X 1-1/2"FPT REDUCER BUSHING
ITEM	QTY	PART NUMBER	DESCRIPTION





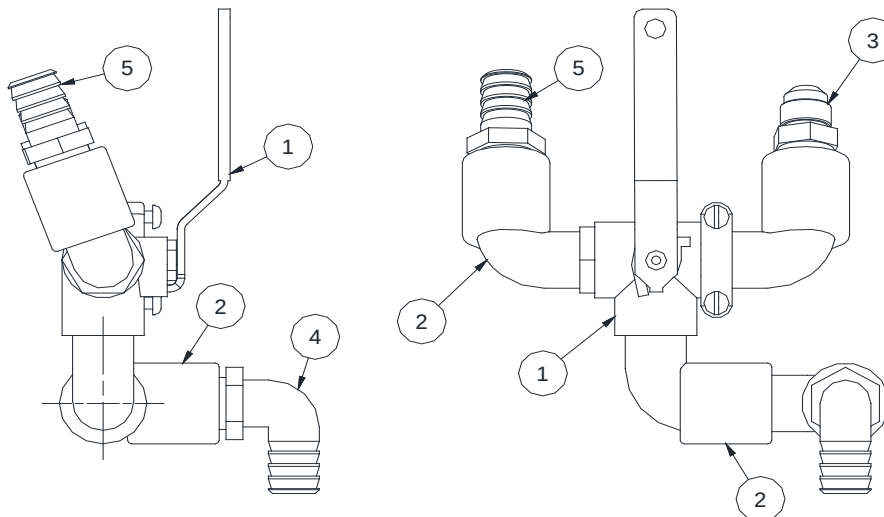
Bulkhead Fitting, W/ PVC Cap - 73827800



ITEM #	QTY	PART NO.	DESCRIPTION
1	1	73827700	BULKHEAD FITTING, 1-1/4
2	1	73827500	CAP, PVC 2-1/2 NPT



Recirculation Fittings Assembly - 75868810



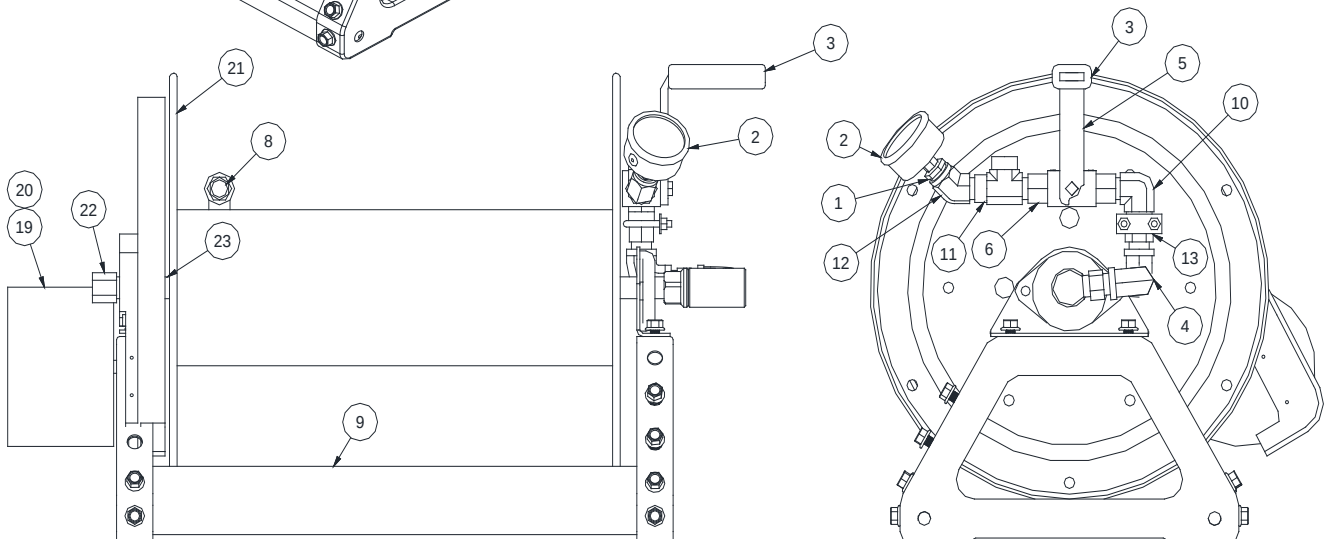
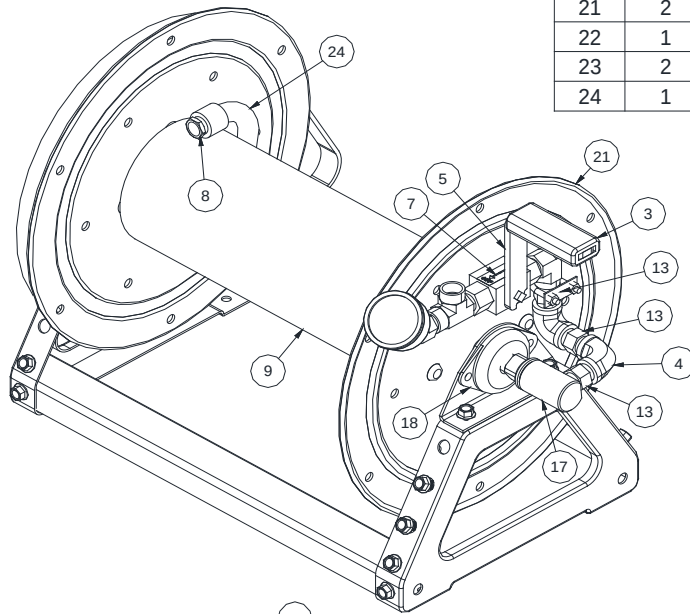
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	79904410	VALVE, 1/2 BRASS 3 WAY
2	4	79904440	ST EL 90 D 1/2 PLASTIC
3	1	79904476	ADAPTER, 1/2NPT-8JIC 45D BRASS
4	1	79843900	3/4" HOSE BARB X 1/2" MNPT ELBOW
5	1	79904504	ADAPTER, 3/4 NPT 45D PLASTIC



High Pressure Reel Assembly - 75870000



1	1	542104-05	BUSHING, REDUCER 1/2 x 1/4
2	1	544000-01	GAUGE, 5000 PSI
3	1	71102500	GRIP, FOAM BLACK
4	2	72714600	ELBOW, 90 DEG. FEMALE 1/2
5	1	73816100	HANDLE, HP VALVE
6	1	73816200	VALVE, BALL 1/2 NPT H.P.
7	1	73817800	DECAL, BALL VALVE ON/OFF
8	1	73820600	BUSHING, REDUCER 1/2 X 3/8
9	1	75870100	REEL, HP - 2010 SOLDIER
10	1	77705101	ELBOW, 90 DEG. STREET 1/2"
11	1	77711301	TEE, MALE RUN 1/2 NPT
12	1	77763900	ELBOW, 45 DEG. STREET 1/2 NPT
13	3	77770800	NIPPLE, HEX 1/2 NPT
16	1	521400-04	U-BOLT 1 X 1-3/4 1/4-20 ZINC
17	1	73819000	SWIVEL (FURNISHED WITH 75870100)
18	2	75800404	BEARING (FURNISHED WITH 75870100)
19	1	75800401	MOTOR (FURNISHED WITH 75870100)
20	1	75870600	SPROCKET, DRIVE (FURNISHED WITH 75870100)
21	2	75800405	DISK, HP REEL (FURNISHED WITH 75870100)
22	1	75800406	CAP, PIPE HP REEL (FURNISHED WITH 75870100)
23	2	73853200	DISC WASHER
24	1	75870120	PIPE HUB

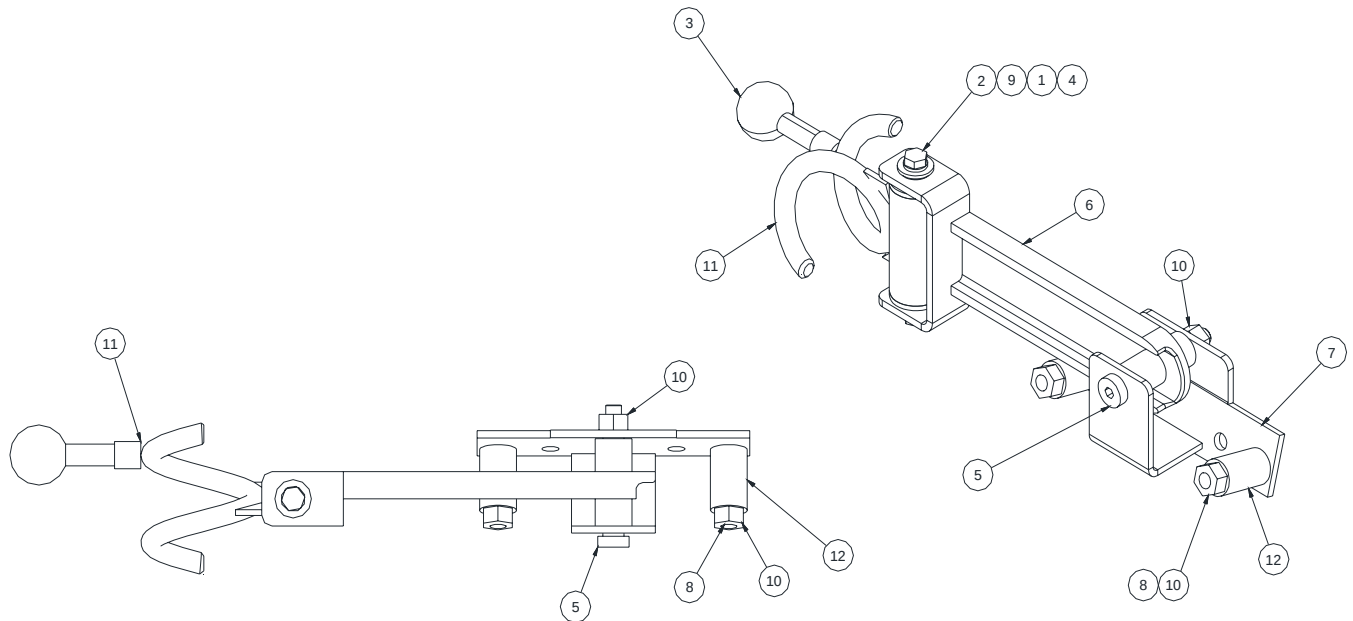




Hose Guide Assembly - 75871500



ITEM #	QTY	PART NO.	DESCRIPTION
1	2	00162600	WASHER, FLAT 5/16 USS
2	2	02939000	SCREW, CAP HX HD 5/16-18 X 3/4
3	1	75825303	LEVER, STEEL BALL HANDLE
4	1	75845090	SHAFT, SS .75 O.D.
5	1	75871100	SCREW, SHOULDER 1/2 D X 2-1/4
6	1	75871200	WLDMNT, HOSE GUIDE 2010
7	1	75871400	WLDMNT, HOSE GUIDE BRACKET
8	2	75871430	SCREW, FLT HD 3/8-16 X 2
9	2	77743400	WASHER, LOCK SPLIT 5/16
10	3	77748000	NUT, STOVER LOCK 3/8-16 UNC
11	1	79911600	ASSY, COILED HOSE GUIDE
12	2	79932110	ROLLER, HOSE SUPPORT 180

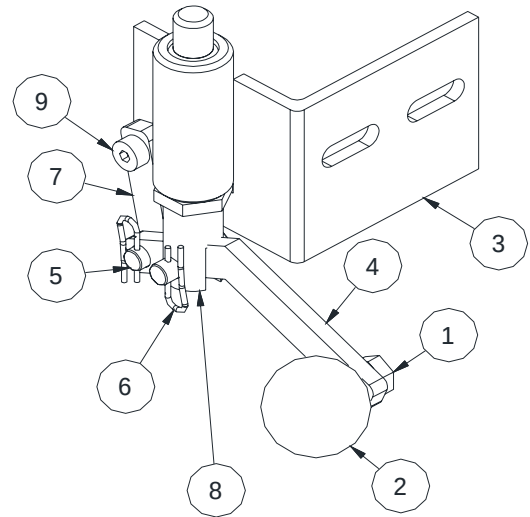
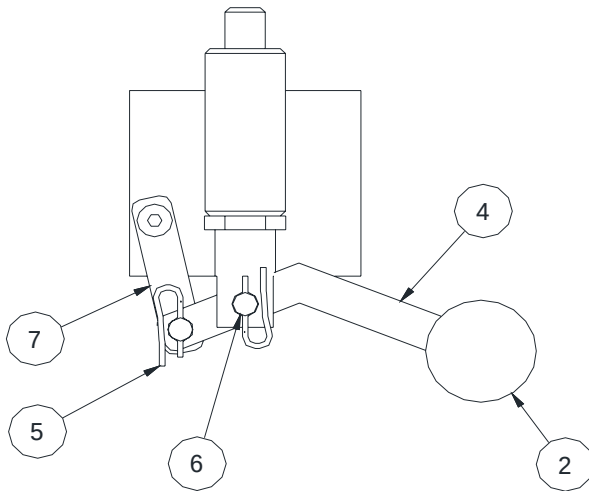




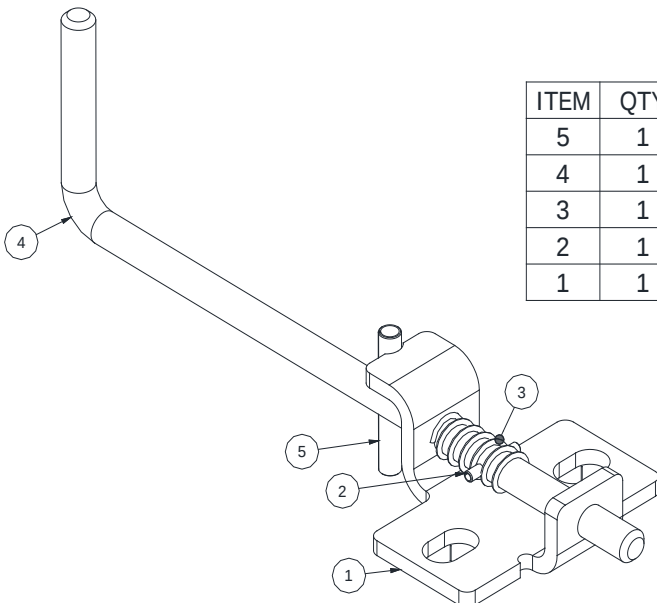
Index Latch Assembly - 75872000



ITEM #	QTY	PART NO.	DESCRIPTION
1	1	02939000	SCREW, CAP HX HD 5/16-18 X 3/4
2	1	75852020	BLACK KNOB, 1-3/8" O.D. THREADED
3	1	75872100	WLDMNT, SPRING PIN - MNTNG BRCKT
4	1	75872150	LEVER ARM, INDEX LATCH HANDLE
5	1	75872200	PIN, CLEVIS W/CTTR - 5/16D X 3/4L
6	1	75872250	PIN, CLEVIS W/CTTR - 5/16D X 3/4L
7	1	79957020	PLATE, PIVOT LEVER ARM
8	1	79957040	COUPLER, LEVER ARM - SPRING PIN
9	1	79957050	SCREW, SHOULDER 5/16 X 1/4 SS



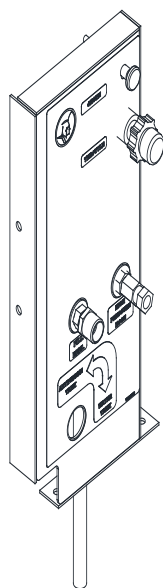
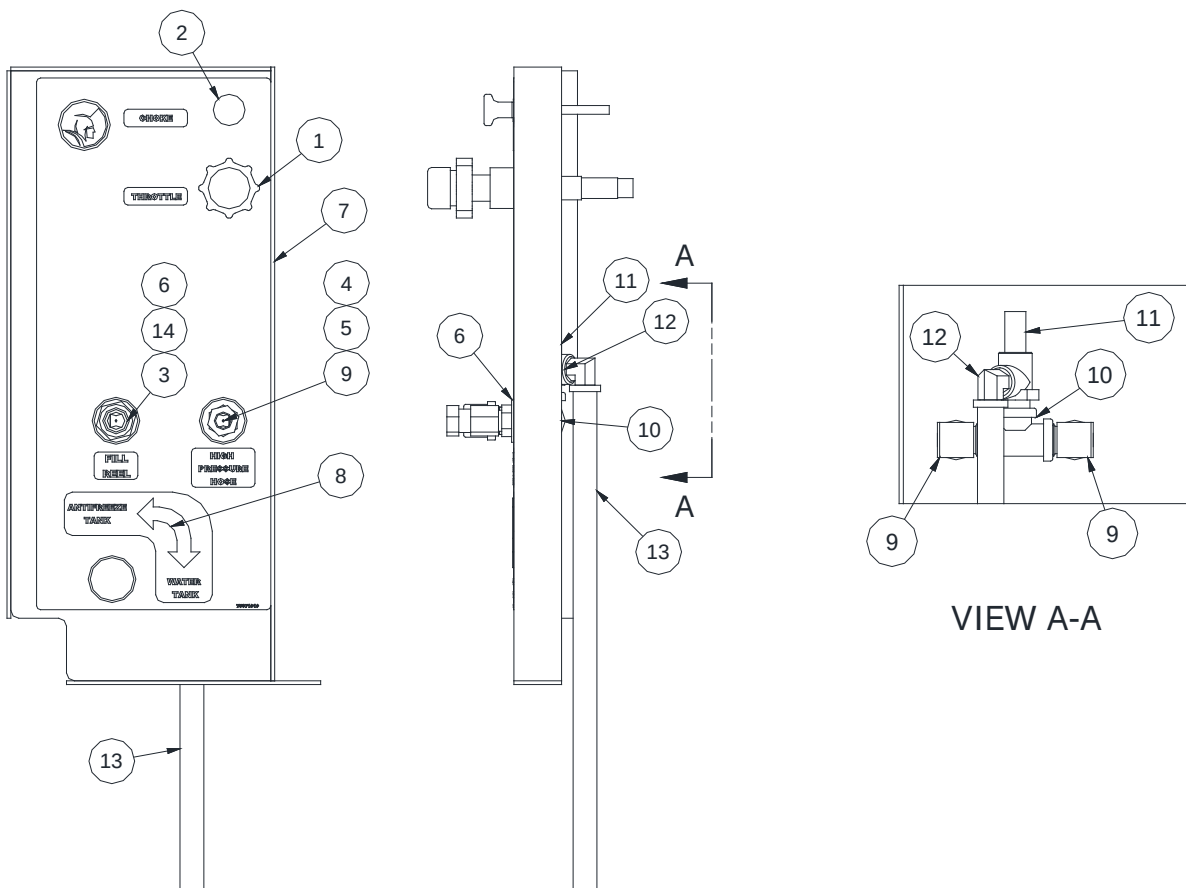
Soldier Reel Lock 75879190 (part of optional footage counter)



ITEM	QTY	PART NUMBER	DESCRIPTION
5	1	02881900	PIN, ROLL 1/4 DIA. X 1-3/4
4	1	75879195	SOLDIER HANDLE
3	1	75810100	SPRING
2	1	75810100	ROLL PIN
1	1	75810100	BRACKET



Recirculation/Throttle Assembly - 75871000

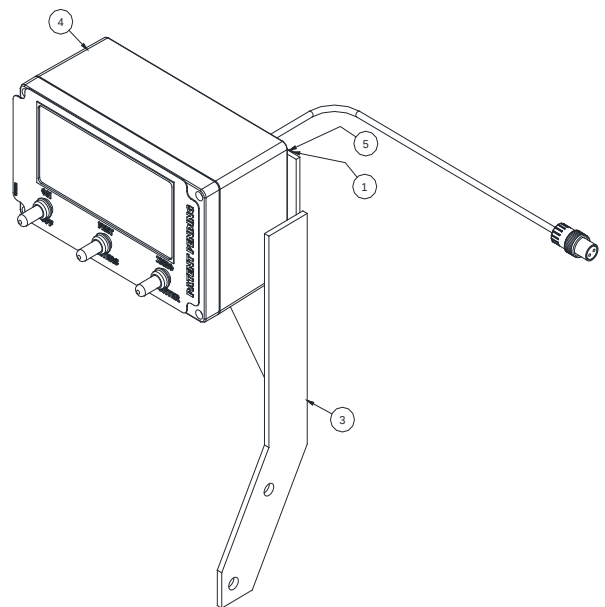
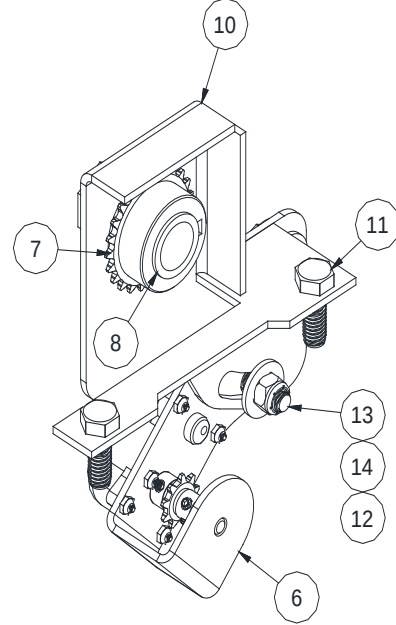
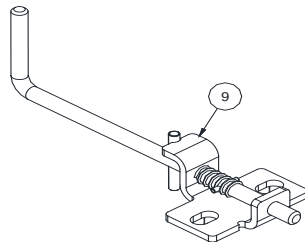
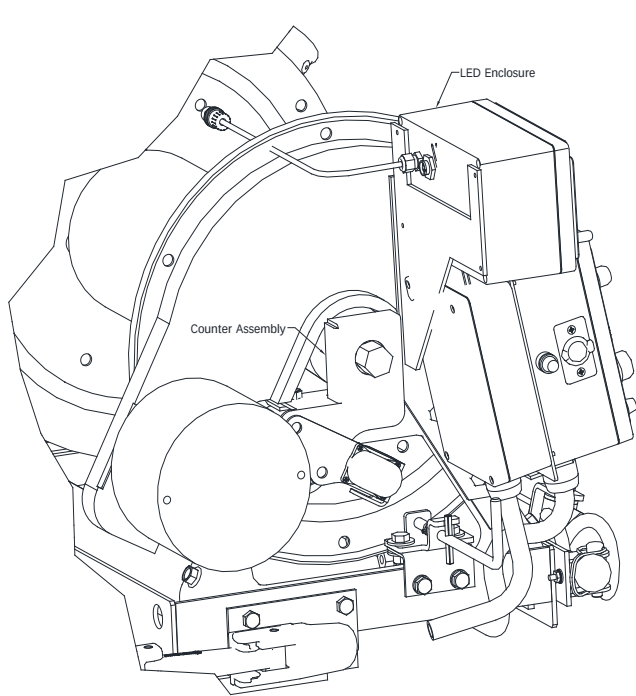


ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	74026400	VERNIER THROTTLE CONTROL
2	1	75807400	CHOKE CABLE
3	1	75848020	NIPPLE, HEX 1/2 BRASS
4	1	75853330	3/8" SWIVEL FITTING, STEEL
5	1	75853340	REDUCING NIPPLE, 1/2" TO 3/8" BRASS
6	2	75868880	WASHER, 7/8" ID X 1-3/8" OD
7	1	75869400	WLDMNT, RECIRC/THROTTLE - 2014
8	1	75871010	DECAL, SOLDIER 2010 RECIRC/THROTTLE
9	2	79904464	ST EL 90D 1/2NPT BRASS
10	1	79904466	TEE, 1/2" NPT BRASS
11	1	79904475	VALVE, RELIEF
12	1	79904478	EL 90D 1/2NPT-BARB BRASS
13	1	79904483	1/2" PUSH-ON HOSE
14	1	79904492	ADAPTER, GARDEN HOSE 3/4M-1/2FM



Optional Hose Footage Counter

75875000

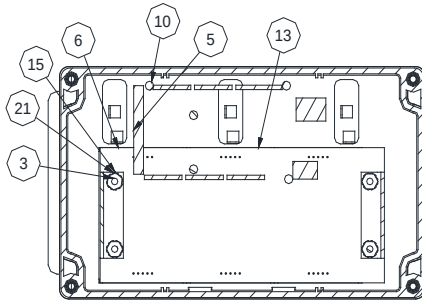
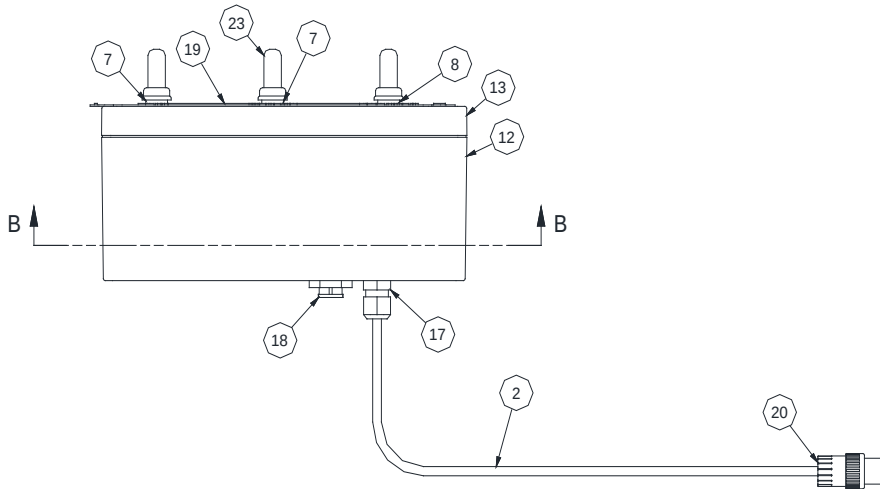


ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	61026000	SCREW, 6-32 X 1/2 PAN HD PHIL
2	5.5	73826800	WIRE LOOM, BLACK PLASTIC
3	1	75875010	WELDMENT, SOLDIER COUNTER MOUNT
4	1	75875300	LED ENCLOSURE ASSEMBLY - HOSE COUNTER
5	4	77789100	NUT, KEP 6-32 ZN PLT
6	1	75879100	ASSEMBLY, COUNTER CARRIAGE
7	1	75879150	SPROCKET, 2 BORE 23 TOOTH
8	1	75879170	HAND CRANK COUNTER NUT
9	1	75879190	ASSEMBLY SOLDIER REEL LOCK
10	1	75879230	WELDMENT, SOLDIER SWING COUNTER
11	2	77738100	SCREW, HEX HD 3/8-16 X 1
12	2	522122-00	NUT, LOCK 5/16-18
13	2	00115100	SCREW, HEX HD 5/16-18 X 1
14	4	00162600	WASHER, FLAT 5/16 USS
15	14in	75879180	ROLLER CHAIN, #25
16	1	75879185	MASTER LINK ROLLER CHAIN #25
17	1	75875850	HARNESS, MAIN POWER COUNTER

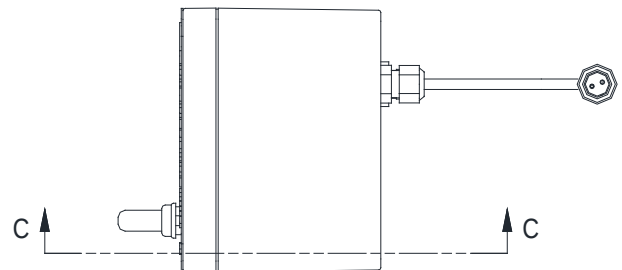


Hose Footage Counter LED Assy

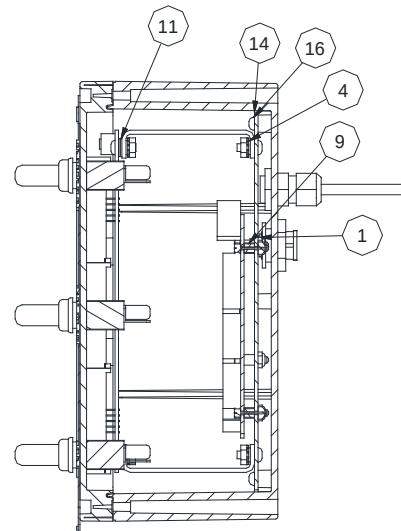
75875300



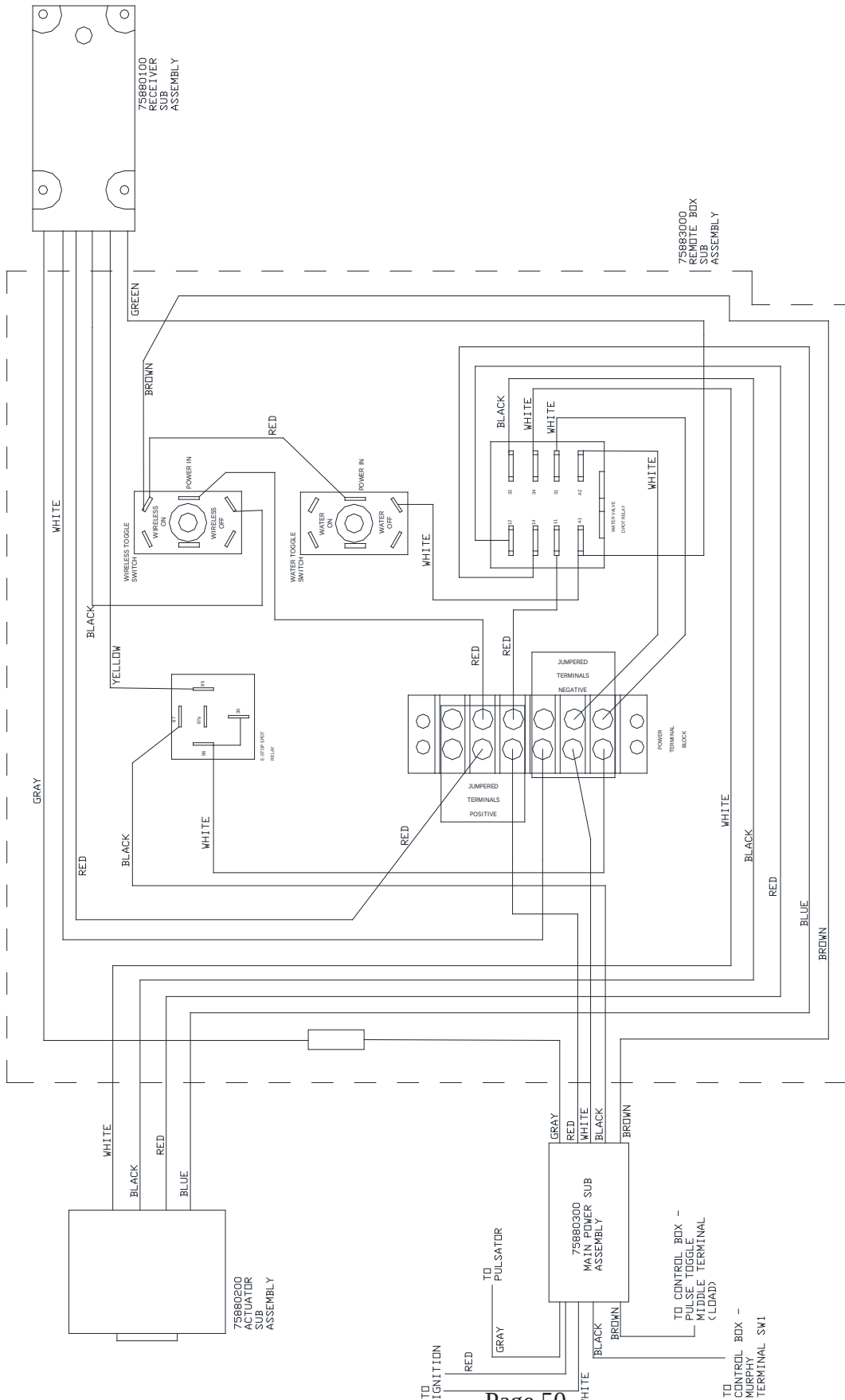
SECTION B-B



ITEM	QTY	PART NUMBER	DESCRIPTION
1	5	62018200	NUT, HEX NYLOCK 4-40
2	1	63014300	CABLE, MULTICONDUCTOR 20 AWG
3	8	64022925	SCREW, 6-32 X 3/8" BT HD BLCK
4	8	64022935	WASHER, LOCK #6 ALUM
5	1	75875310	ARDUINO, MEGA 2560 R3
6	3	75875320	LED, 2.3" GRN DISPLAY
7	2	75875330	SWITCH, ON/OFF
8	1	75875340	SWITCH, TOGGLE
9	5	75875370	SPACER, 3/16 OD X 3/16" LNG
10	5	75875380	SCREW, 4-40 X 1/2" SCK CAP
11	8	75875390	WASHER, #6 PLASTIC
12	1	75875400	ENCLOSURE, MODIFIED CLEAR
13	1	75875410	CIRCUIT BOARD, LED MOUNT
14	1	75875420	SUB-PLATE, LED BOARD MOUNT
15	2	75875430	BRACKET, LED BOARD MOUNT
16	4	75875440	SCREW, M3 X 8 MM - .5MM PITCH SS
17	1	75875450	CORD GRIP, LIQ .11-.26 CORD DIA
18	1	75875460-	CONNECTOR, PANEL 4POS SKT
19	1	75875600	CONNECTOR, PANEL 4POS SKT
20	1	75875820	CONNECTOR, PLUG 2POS SCK
21	8	77789100-s	NUT, KEP 6-32 ZN PLT
23	3	75875900	BOOT, TOGGLE - BLACK



SECTION C-C

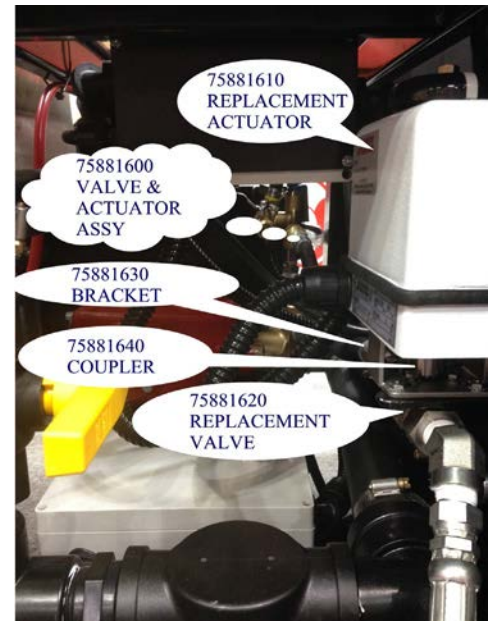
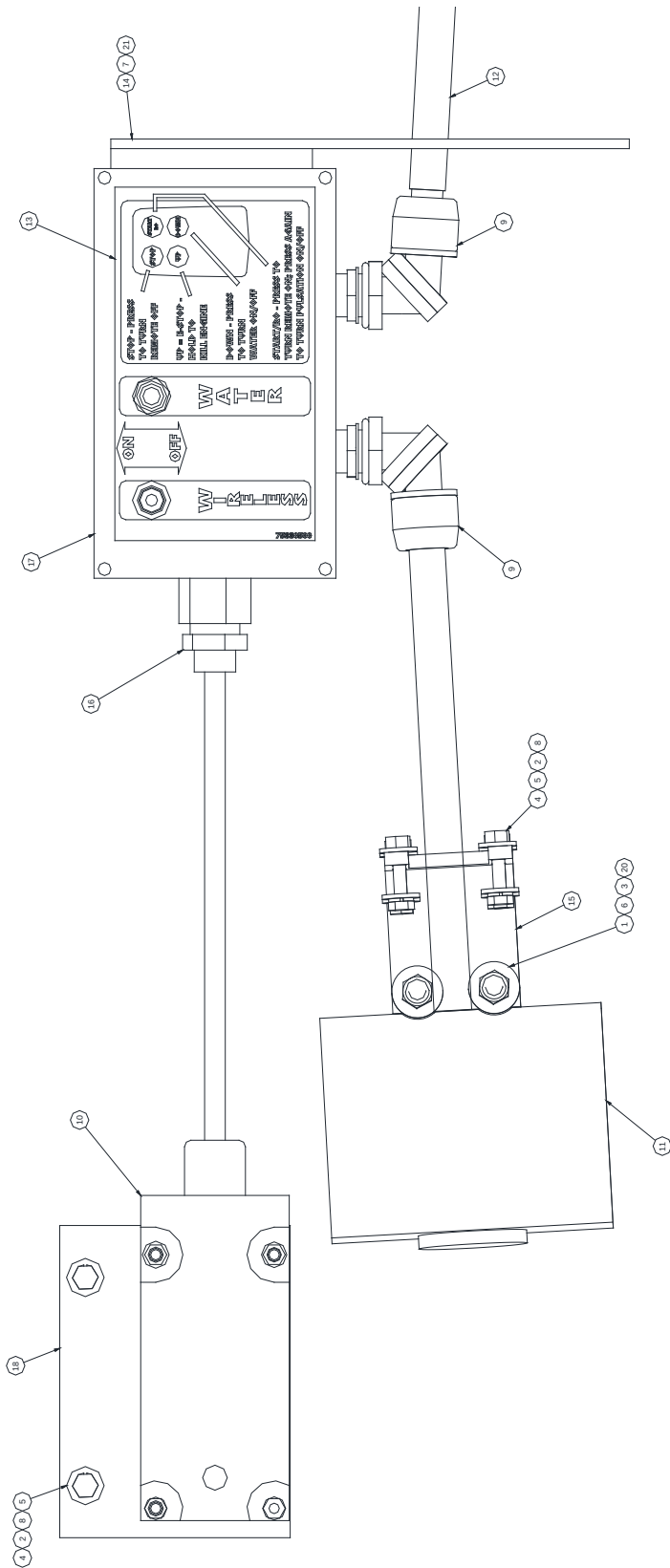




Optional Wireless Remote Control 75880000



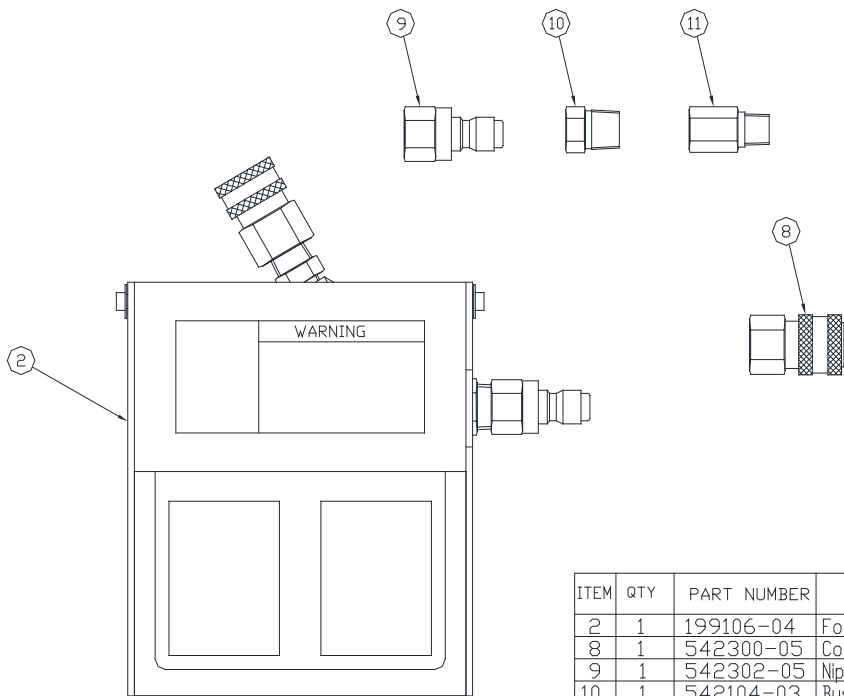
21	4	77789100	NUT, KEP 6-32 ZN PLT
20	2	77759900	SCREW, CAP HX 3/8-16 X 1-1/4
19	1	77738800	CONNECTOR, WIRE SPLICE
18	1	75883900	PLATE, 758 RECIEVER MOUNT
17	1	75883000	SUB-ASSY, 758 REMOTE BOX
16	1	75882300	CORD GRIP - 1/2" - .38-.44 CORD
15	1	75881300	BRACKET, WATER VALVE - SOLDIER RMT
14	1	75880600	BRACKET, SOLDIER REMOTE BOX
13	1	75880500	DECAL, SOLDIER REMOTE
12	1	75880300	SUB-ASSY, REMOTE MAIN POWER
11	1	75880200	SUB-ASSY, RMT ACTUATOR HARNESS
10	1	75880100	SUB-ASSY, REMOTE RECEIVER
9	2	75857500	1/2" SWIVEL CONNECTOR, LIQ TIGHT BLACK
8	6	71705500	SCREW, HX HD 1/4-20 X 1-1/4
7	4	61026000	SCREW, 6-32 X 1/2 PAN HD PHIL
6	2	522132-00	NUT, NYLON LOCKING 3/8-16
5	12	02825100	WASHER, FLAT 1/4 USS
4	6	02821200	NUT, NYLOCK JAM 1/4-20
3	2	00165800	WASHER, LOCK SPLIT 3/8
2	6	00165400	WASHER, LOCK SPLIT 1/4
1	4	00162700	WASHER, FLAT 3/8
ITEM	QTY	PART NUMBER	DESCRIPTION





Optional Foot Pedal

77773903



ITEM	QTY	PART NUMBER	DESCRIPTION
2	1	199106-04	Foot Pedal, 3/8 Quick Coupling
8	1	542300-05	Coupler ST-Female 3/8 NPT
9	1	542302-05	Nipl, 3/8 ST X 3/8 NPT Female STL
10	1	542104-03	Bush, Red 3/8NPT(M) X 1/4NPT(F) STL
11	1	542102-02	Adpt, Red 1/2NPT(F) X 3/8NPT(M)



Optional Mobile Hose Reel

73816800



Replacement Parts

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	75800405	DISC, SIDE HP REEL
2	2	75800404	BEARING W/BALL INSERT
3	2	73853200	DISC WASHER
4	1	73828400	TENSIONER, CAM LOCK BRAKE
5	1	79827800	PLASTIC HANDLE W/ BOLT & NUT
6	1	77752601	HANDLE ASSY, MOBILE HOSE REEL





Soldier Accessories



PART NO.	DESCRIPTION
02893400	1-1/2 Inch Flusher
02893500	2 Inch Flusher
02893600	4 Inch Flusher
02893700	6 Inch Flusher
02895300	3 Inch Flusher
44237200	Model 468 Root Cutter
44256000	Liner, Glove
44256200	Jetter Safety Gloves
44262200	Liner, Glove (Box of 25)
44262300	Handbook, Professional S&D
71109900	Tip Cleaner Set
71701700	Hose S.S. Trap 50'
71701800	Hose S.S. Trap 75'
71701900	Jet Head Brs Ball 1-1/4" Dia x 1/8
71702900	Hose S.S. Trap 100'
71704300	Portable Hose Reels
73700100	Rocket Nozzle
73808600	3/8 x 250 ft. Hose
73808601	3/8 x 75 ft. Hose
73808602	3/8 x 150 ft. Hose
73808603	3/8 x 350 ft. Hose
73821500	3/8 x 15 ft Orange Leader Hose
75827600	Nozzle Beacon Adapter
75875000	Hose Footage Counter
75880000	Wireless Remote Control
61023600	Beacon Assembly
73817300	Wash Down Kit Includes *Items
77799800	Hand Gun Lance Vari-Nozzle Assy
77721400	Coupler, Quick Gun, Male
77719500	Hose, 1/4" x 75'
77815800	Nozzle, 1/4" Domed (6)
73816500	Swivel Adapter, 3/8 Male to 3/8 Fmale

PART NO.	DESCRIPTION
73816800	Mobile Hose Reel
73820500	Grenade Nozzle
75700200	Nozzle, 'Q' 2-3000 PSI
75700300	Nozzle, Rotating 2-3000 PSI
75800800	Nozzle, Closed
75800900	Nozzle, Open
75831000	Warthog Nozzle (3"-4" Lines)
75831010	Warthog Nozzle Service Kit
75831200	3000 PSI Performance Nozzle kit
75832000	Nozzle, WTHG 4-8" 3K@12 - 3/8"
77708700	1/4 x 100 ft. Hose
77719500	1/4 x 75 ft. Hose
77721800	0° Nozzle Lance
77724000	Reducer 1/2 x 3/8
77763700	Venturi Pump
77800600	Hose Guard (Tiger Tail)
79873500	Assy, Hose Anti-Turn Around
79922934	Nozzle, WTHG 2-4" 3K@8 - 3/8"
79944100	5/8" x 100' Tank Fill Hose
*77719400	1/4 x 50 ft. Hose
79968700	Sandshoe Nozzle
77773903	Hydro-Jet Foot Pedal (use with trap hose)
Model 468 Accessories	
44236800	4" Tri-Blade Cutter
44236900	6" Tri-Blade Cutter
44237000	8" Tri-Blade Cutter
44260500	10" Tri-Blade Cutter
44235100	4" Operating Skid
44235200	6" Operating Skid
44235300	8" Operating Skid
44260600	10" Operating Skid
44236000	Installation Hardware
34003701	Leader Hose (Highly Recommended)



Tire Safety Information



This portion of the User's Manual contains tire safety information as required by 49 CFR 575.6.

The National Traffic Safety Administration (NHTSA) has published a brochure (DOT HS 809 361) that discusses all aspects of Tire Safety, as required by CFR 575.6. It can be obtained and downloaded from NHTSA, free of charge, from the following web site:

http://www.nhtsa.dot.gov/cars/rules/TireSafety/ridesonit/tires_index.html

Tire Safety Terminology Glossary

- **Cold Tire Inflation Pressure** - The pressure in the tire before you drive.
- **Gross Axle Weight Rating (GAWR)** - The maximum weight that any axle can support, as published on the Certification/VIN label on the front left side of the trailer. Actual weight determined by weighing each axle on a public scale, with the trailer attached to the towing vehicle.
- **Gross Vehicle Weight Rating (GVWR)**- The maximum weight of the fully loaded trailer, as published on the Certification / VIN label. Actual weight determined by weighing trailer on a public scale, without being attached to the towing vehicle.
- **Load Rating** - The maximum load that a tire is rated to carry for a given inflation pressure.
- **Maximum Load Rating** - The load rating for a tire at the maximum permissible inflation pressure for that tire.
- **Maximum Permissible Inflation Pressure** - The maximum cold inflation pressure to which a tire may be inflated.
- **Outer Diameter** - The overall diameter of an inflated new tire.
- **Recommended Inflation Pressure** - The inflation pressure provided by the vehicle manufacturer on the Tire Information label and the Certification/VIN tag.
- **Rim** - A metal support for a tire or a tire and tube assembly upon which the tire beads are seated.
- **Vehicle Maximum Load on the Tire** - The load on an individual tire that is determined by distributing to each axle its share of the maximum loaded vehicle weight and dividing by two.

Tire Information Placard

The Spartan Warrior's Federal Certification/VIN label is located on the forward half of the left (road) side of the unit. The VIN label will identify the units GVWR and GAWR.

The Spartan Warrior's Tire Information Placard can be located adjacent to the trailer's VIN (Certification) label at the left front of the trailer. The placard includes the Warrior's tire size, cold tire inflation pressure, and load limitations. The load limitation statement will give an indication of the maximum cargo capacity. Any items (cargo) added to the Warrior must not cause the total weight of the Warrior to exceed the stated GVWR.

TIRE AND LOADING INFORMATION			
The weight of cargo should never exceed 771 kg. or 1700 lbs.			
TIRE	SIZE	COLD TIRE PRESSURE	SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
FRONT	ST205-75R14 C	350 KPA 50 PSI	
REAR			
SPARE			



Tire Safety Information



Steps for Determining Correct Load Limit

- Locate the statement “The weight of cargo should never exceed 771 kg or 1700 lbs” on your Tire Information Placard.
- This figure equals the available amount of cargo and luggage load capacity.
- Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity.

General Tire Information

- Tire inflation pressure is the level of air in the tire that provides the load-carrying capacity and affects the overall performance of the vehicle. The tire inflation pressure is a number that indicates the amount of air pressure a tire requires to be properly inflated. Since tires are designed to be used on more than one type of vehicle, tire manufacturers list the “maximum permissible inflation pressure” on the tire sidewall. This number is the greatest amount of air pressure that should ever be put in the tire under normal driving conditions.
- - Improper inflation is the main cause of tire failure. Excessive loads and/or under inflation cause tire overloading, which leads to abnormal tire flexing. Check the cold tire inflation pressures at least once a week for proper inflation levels.
 - The proper air pressure may be found on the Certification/VIN label and/or the Tire Information Placard.
- High speed towing in hot conditions degrades the life of the Warrior's tires. The internal heat generated from high speeds breaks down the tire's internal structure. It is recommended to drive at moderate speeds.
- If the trailer is stored for an extended period of time, the tires should be fully inflated to the maximum rated pressure. The Warrior should be stored in a cool, dry place. Use tire covers to protect the trailer tires from the harsh effects of the sun.

Tire Maintenance

Checking Tire Pressure

- The recommended tire inflation pressure that vehicle manufacturers provide reflects the proper PSI when a tire is cold. A cold tire is one that has not been driven on for at least three hours. Since driving raises the tires temperature, the internal air pressure also increases. To prevent inflated tire readings, the tire must be measured when cold.

Maintaining Proper Tire Pressure

- a. Locate the recommended tire pressure on the vehicle's Tire Information Placard, Certification Label, or in the Owner's Manual.
- b. Record the tire pressure of all tires.
- c. If the tire pressure is too high in any tires, slowly release air by gently pressing on the tire valve stem with the edge of your tire gauge until the correct pressure is reached.
- d. If the tire pressure is too low, note the difference between the measured tire pressure and the correct tire pressure. Add the missing pounds of air pressure to each tire that is under inflated.
- e. Check all the tires to make sure they have the same air pressure

Note: If the tires are warm due to driving, but testing confirms under inflation, fill the tire to the recommended cold inflation pressure. While the tire may be slightly under inflated due to extra pressure in the warm tire, it is safer to drive a slightly under inflated tire than to drive a significantly under inflated tire. Since this is a temporary fix, the tire must be re-checked and adjusted once a cold reading can be obtained.

Tire Size and Tread

- Tires should be replaced when the tread is worn down 1/16 of an inch.
- Treadwear indicators on the bottom of the tire can be used as a guide. The indicators are raised sections spaced intermittently in the bottom of the tread grooves. If they appear even with the outside of the tread, the tire should be replaced.
- Replacement tires should be the same size as the Warrior's original tires. To prevent error and maintain safety, it is recommended that all replacement parts be purchased through Spartan Tool LLC.



Tire Safety Information

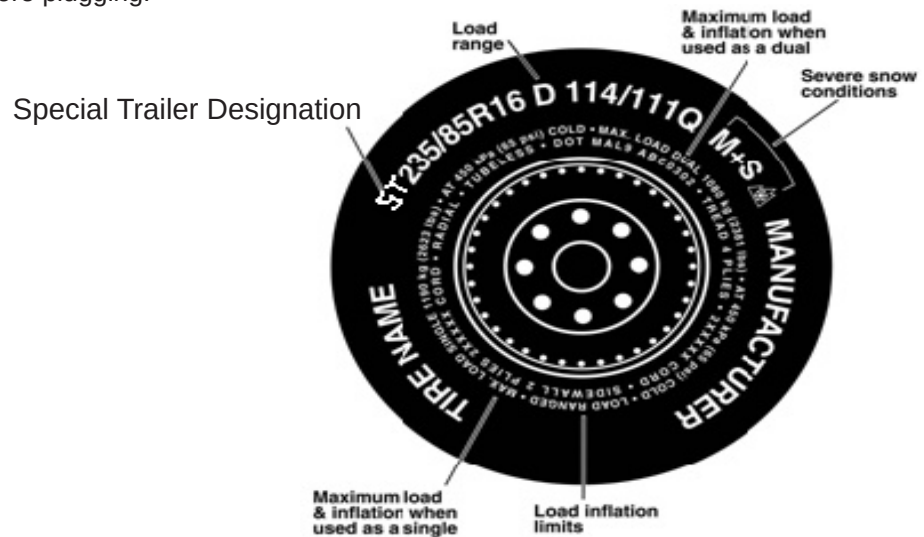


Tire Balance and Wheel Alignment

- Tires must be properly balanced to avoid vibrations and shaking of the trailer. A wheel alignment adjusts the angles of the wheels to position them correctly relative to the trailer's frame. Such adjustments can maximize the life of the tires, but should be performed by a qualified technician.

Tire Repair

- A punctured tire can be repaired by plugging the hole and patching the area that surrounds the puncture hole. A small puncture in the tire tread can be repaired, but punctures to the sidewall should not. Tires should be removed from the rim to be properly inspected before plugging.



Tire Fundamentals

- Federal law requires tire manufacturers to place standardized information on the sidewall of all tires. This information identifies and describes the fundamental characteristics of the tire. It also provides a tire identification number for safety standard certification and in case of a recall.

Tire Safety Tips

Preventing Tire Damage

- Slow down before driving over a pothole or other object in the road
- Do not run over curbs or other foreign objects in the roadway.

Tire Safety Checklist

- Check tire pressure regularly (at least once a month).
- Inspect tires for uneven wear patterns on the tread, cracks, foreign objects, or other signs of wear or trauma.
- Remove bits of glass and foreign objects wedged in the tread.
- Make sure tire valves have valve caps.
- Check tire pressure before any long trips.
- Do not overload trailer. Check the Tire Information Placard for the maximum recommended trailer load.



Safety Information



Confirm that:

- The coupler is secure to the hitch and is locked,
- Electrical connections are made,
- There is appropriate slack in the safety chains,
- There is appropriate slack in the breakaway switch pull-pin cable,
- The tires are not visibly low on pressure, and the cargo is secure and in good condition.

Reporting Safety Defects

If you believe that your vehicle has a defect that could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Spartan Tool LLC.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Spartan Tool LLC .

To contact NHTSA, you may either call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1- 800-424-9153), go to <http://www.safercar.gov>; or write to

Administrator
NHTSA
1200 New Jersey Avenue S.E.
Washington, DC 20590

You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

Spartan Tool LLC
1506 W. Division St.
Mendota, IL 61342



Warranty Information



Spartan Tool warrants its equipment to be free from defects in material and workmanship for one year from the date of purchase. To obtain warranty service, a purchaser should notify Spartan Tool in writing, at the address provided below, within the warranty period, and Spartan Tool will direct where to take or send the equipment for service. If the defect is covered by the warranty, Spartan Tool will repair or replace, at its option, the defective equipment, without charge for labor or materials (Freight and insurance are the purchaser's responsibility).

This warranty is limited to the original retail purchaser and is not transferable. Spartan Tool assumes no responsibility for damage due to accident, neglect, abuse, tampering or misuse, nor damage from repairs or alterations by others. This warranty does not cover damage to the equipment resulting from the use of replacement parts other than Spartan Tool parts.

Spartan Tool's sole obligation and the original retail purchaser's exclusive remedy under this warranty shall be for repair or replacement as described above. ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL SPARTAN TOOL BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

SPARTAN TOOL L.L.C.

MENDOTA, ILLINOIS 61342

Spartan Tool L.L.C. reserves the right to make changes at any time, without notice, to specifications and models and also discontinue models. The right is also reserved to change specifications or parts at any time without incurring any obligation to equip same on models manufactured prior to the date of change.

SPARTAN TOOL L.L.C.
1506 W. Division Street
Mendota, IL 61342
800.435.3866 ♦ Fax 888.876.2371
www.spartantool.com