



SPARTAN TOOL

FOR TOUGH CUSTOMERS. SINCE 1943.



SERVICE MANUAL

Elite Soldier

Spartan Tool LLC | 1618 Terminal Road | Niles, MI 49120
order by phone **800.435.3866** order online **SpartanTool.com**

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Part #7584E000



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Warnings



- Read the safety and operating instructions before using any Spartan Tool product. Drain and sewer cleaning can be dangerous if proper procedures are not followed and appropriate safety gear is not utilized. Read the engine owners' manual for instructions and safety precautions on engine operation.
- Gasoline is extremely flammable and is explosive under certain conditions.
 - Refuel in a well ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where the engine is refueled or where gasoline is stored.
 - Do not overfill the fuel tank (there should be no fuel in the filler neck). After refueling, make sure the tank cap is closed properly and securely.
- Before starting unit, be sure to wear personal protective equipment such as safety goggles or face shield and protective clothing such as gloves, coveralls or raincoat, rubber boots with metatarsal guards, and hearing protection.
- Carbon monoxide exhaust and/or gasoline fumes from this equipment can create a hazardous atmosphere in confined spaces (which may include, but are not limited to, manholes and septic tanks), closed garages or other areas which may not be properly ventilated. In particular, excess gasoline fumes can create an explosion hazard. Such hazardous atmospheres can cause death or severe injury. Do not operate this equipment with its cart (used to house the engine and gasoline tank) located in any confined space or area with inadequate ventilation. Operate this equipment only when the cart is located outdoors or in an open, well-ventilated area.
- Ensure the jet hose has been placed in the pipe a minimum of 6 feet before engaging the water pressure to prevent the hose from coming out of the pipe prematurely and causing injury.
- Always shut off the water pressure before pulling the hose out of the pipe. Mark the hose a minimum of 6 feet from the end to help ensure the hose is not accidentally pulled out of the pipe while still under pressure. Shut off the water pressure when the hose mark is encountered.
- Never point the wash gun at anyone while operating the unit. Injury may result.
- Drains and sewer can carry bacteria and other infectious micro-organisms or materials which can cause death or severe illness. Avoid exposing eyes, nose, mouth, ears, hands, and cuts and abrasions to waste water or other potentially infectious materials during drain and sewer cleaning operations. To further help protect against exposure to infectious materials, wash hands, arms and other areas of the body, as needed, with hot, soapy water and, if necessary, flush mucous membranes with water. Also, disinfect potentially contaminated equipment by washing such surfaces with a hot soapy wash using a strong detergent.
- For any questions, contact Spartan Tool at the address shown below.



CAUTION: Portions of the system can still be under pressure even if the unit is not operating.

CONTACT US

Spartan Tool LLC
1618 Terminal Rod
Niles, MI 49120
800.435.3866
SpartanTool.com

CALIFORNIA PROP. 65

This product may contain an extremely small amount of lead in the coating. Lead is a material known to the State of California to cause cancer or reproductive toxicity.



Technical Information

GENERAL

- Pipe Sizes: 3" - 15" diameter
- Max Water Pressure: 4,000 psi
- Max Water Flow: 10 GPM
- Water Capacity: 200 gallons

TRAILER

- Gross Vehicle Weight Rating (GVWR): 3500 lbs (1589 kg)
- Gross Axle Weight Rating (GAWR): 3300 lbs (1498 kg)
- Hitch: 2" Ball Type (Class II) (Optional Pintle Ring)
- Tires: ST 205-75-R14 (Max Load: 1760 lbs each)
- Cold Inflation Pressure: 50 PSI / 350 kPa (each)
- Rim (diameter x width x capacity): 14" x 5.5" x 1865 lbs (each)
- Maximum Recommended Towing Speed: 55 mph

ENGINE

- Model: ECH980 (Kohler Command PRO EFI)
- Cylinders: 2 (37 Horsepower)
- Bore & Stroke: 3.54" x 3.09"
- Displacement: 61 cu. in.
- Fuel: Gasoline, Unleaded 87 Octane Minimum 10% or less Ethanol
- Fuel Tank Capacity: 8.0 gal
- Cooling: Air
- Oil Capacity: 2.1 US qt (10W-30 oil)
- Alternator: 20 Amp
- Electric: 12 VDC
- Spark Plug: NGK BKR6ES (0.035" gap)

REWIND

- 12V Electric Motor with Variable Speed Controller

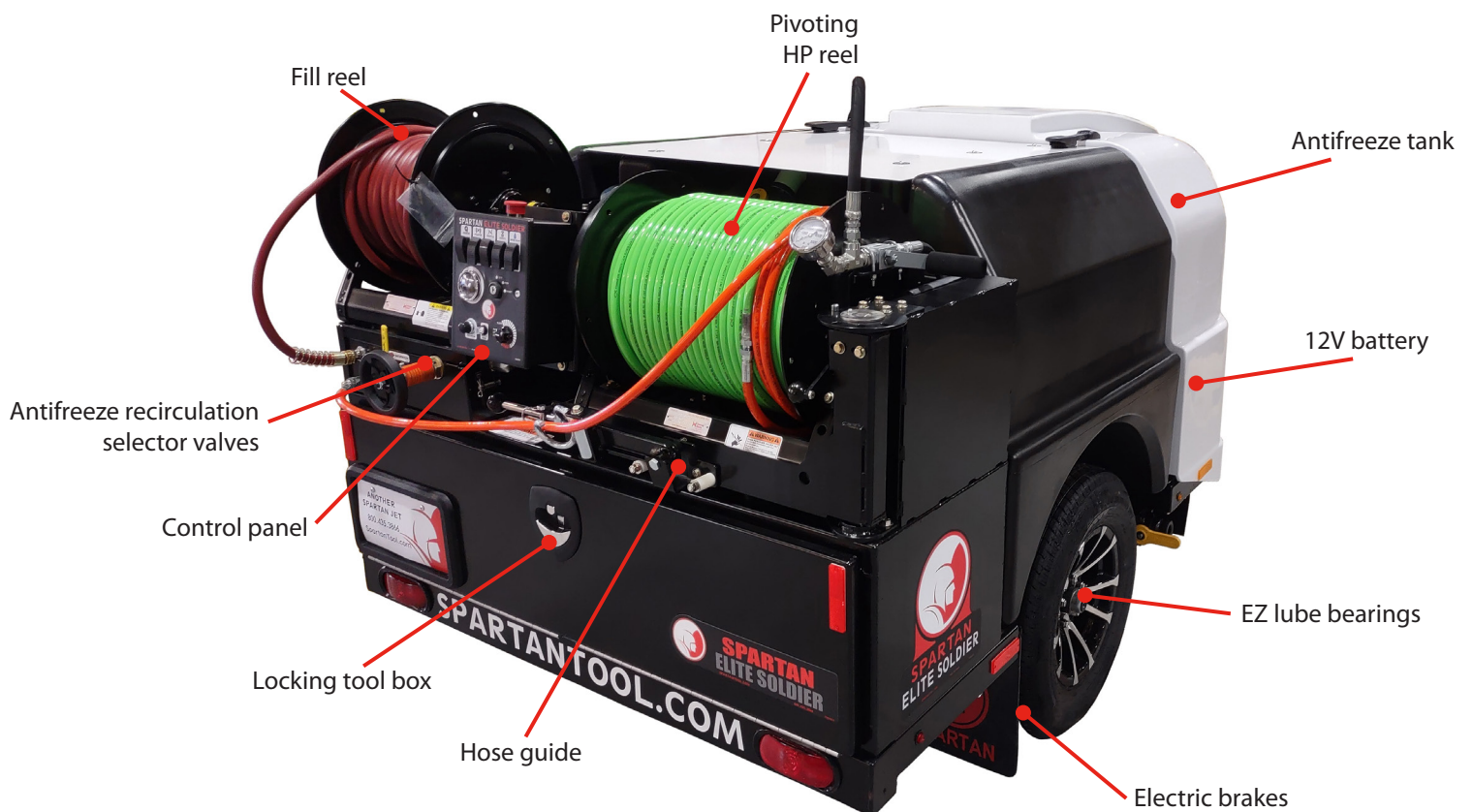
FEATURES

- Torsion single-axle suspension with electric brakes
- Noise-reducing engine shroud protects the unit while in tow
- Pressure can be continuously adjusted with accessible handwheel
- Electronic controlled pump pulsation for maximum cleaning distance
- Manhole hose protection
- 3/8" x 350' of Maxflow HP hose
- 5/8" x 100' of supply hose
- Pivoting and swiveling 180° hose reel, hydraulically operated with freewheel system
- Single-valve full-system winterization with antifreeze recirculation
- Rear mounted operator controls with an electric powered variable-speed hose rewind
- National Association of Trailer Manufacturers Certified

SAFETY

- 12" nozzle anti-turn device
- Automatic engine shutdown protection for high water temperature, engine temperature, low engine oil, or low engine coolant

Machine Overview





How To Use Parts & Accessories

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 Elite Soldier

Vin 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 or the factory in Niles, Michigan or online at www.spartantool.com.

Thank You.

Spartan Tool LLC
1618 Terminal Rod
Niles, MI 49120
800.435.3866
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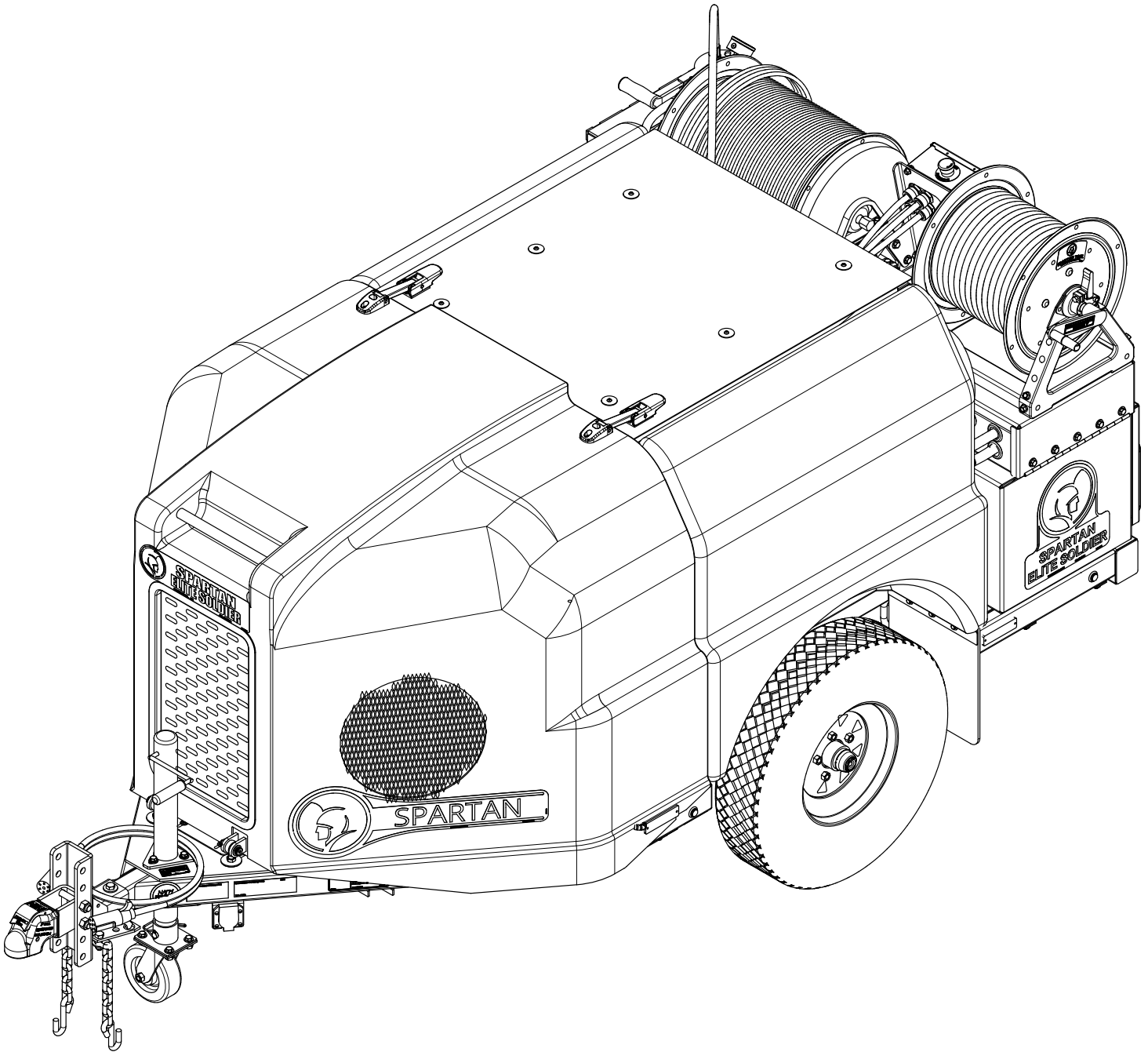


Special Note

Though much of your Elite 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 engine 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).

Elite Soldier Hydro-Jet - 758E0000



Elite Soldier Hydro-Jet - 758E0000

Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
1	00113500	Screw, Hex Hd Cap 1/4-20 x 1/2	9	30	585431-01	Decal, Warning Untrained Person	1
2	00113700	Screw, Hex Hd Cap 1/4-20 x 3/4	2	31	585463-01	Decal, Warning Bat. Explosion Ha	1
3	00113901	Screw, Hx Hd Cap 1/4-20x1 Zinc Pltd	52	32	63002500	Bumper, 1" OD x 1/2" Blck	1
4	00114800	Screw, Hex Hd Cap 5/16-18 x 5/8 Zinc Pltd	2	33	71108100	Decal, Spartan 717	2
5	00115100	Screw, Hex Hd Cap 5/16-18 x 1 Zinc Pltd	9	34	71705500	Screw, Hex Hd 1/4-20 x 1-1/4	1
6	00116900	Screw, Cap Hex Hd 3/8-16x1-3/4	4	35	72704800	Valve, Ball 1/2"M & 1/2"F	1
7	00162400S	Washer, Flat 3/16 9/16 O.D. x 1/4 I.D.	16	36	72709500	Decal, Hot Exhaust Pipe	1
8	00162600	Washer, Flat 5/16" USS Zinc	148	37	72715100	Clamp, Steel, 1-1/8" Rubber Cushion	7
9	00165300	Split Lockwasher #10 Zinc Pltd	1	38	73802700	Reel, Fill Hannay #1520-17-18 LT	1
10	00165400	Washer, Lock-split Medium 1/4	57	39	73808690	Lug Nut, 1/2" 3/4 Hex SS	10
11	00165800S	Washer, Lock-split Medium 3/8	15	40	73809700	Reflector, Side 738	2
12	01588200	Washer, Flat #10 SAE Zinc Pltd	2	41	73815300	Cable, Battery (Negative) 32" Lg Blck	1
13	02752501	Toolbox w/Tote Tray	1	42	73816500	Adapter, Swivel 3/8 M x 3/8 F	1
14	02761500	Bumper Recessed Black Rubber	1	43	73821200	Nut, Nylock Lock 1/4-20	22
15	02821200	Nut, Nylock Jam 1/4-20 x 13/64" Cad. or Zinc Pltd	1	44	73821500	Hose, Leader 3/8" x 15' Orange	1
16	02823800	Screw, Machine 10-32 x 3/8 Phillips Fillister Head Zinc Pltd	1	45	73826800	Wire-Loom, Black Plastic 3/8"	2
17	02825100	Washer, Flat 1/4	102	46	73826800	Wire-Loom, Black Plastic 3/8"	2
18	02826800	Screw, Sckt Hd Cap 10-32 x 1/2	2	47	73826800	Wire-Loom, Black Plastic 3/8"	1
19	02865500	2 x 4 1/4 x 1/8 Black Corrugated Rubber Mating	8	48	73826800	Wire-Loom, Black Plastic 3/8"	1
20	02939000	Screw, Cap Hex Hd 5/16-18 x 3/4	24	49	73826800	Wire-Loom, Black Plastic 3/8"	1
21	02994600	Screw, Hex Head Cap 5/8-11 x 4 1/2	2	50	73826800	Wire-Loom, Black Plastic 3/8"	1
22	03850100	Nut, Hex Kep 10-32 Zinc Pltd	8	51	73826800	Wire-Loom, Black Plastic 3/8"	1
23	04723100	Screw, Mach Pn Ph 10-32 x 5/8	8	52	73826900	Washer, Flat 1/2" USS High Str	7
24	09995000	Device, Trailer Locating	1	53	73829700	U-Bolt, Square 2" Wide x 2-5/8	8
25	44221600	Grommet Rubber 1/2" ID x 1-1/16	2	54	73830100	Screw, Flat Hd 1/4-20 x 1-1/2	2
26	44226400	Tubing Heat Shrink, Polyolefin 3/4" x 4'	1	55	73830400	Washer, Flat 7/8 SAE	1
27	44298500	Jetter License Plate Insert	1	56	73831200	Clamp, Hose 1-1/16" - 2" #24	2
28	522132-00	Nut, Nylock 3/8-16	16	57	73832400	Screw, Hex Hd 3/8-16 x 4-3/4	1
29	543801-01	Tubing-PVC Clear 7/8 I.D. x 1/8	1	58	73837800	Plug, 3/8 Black Plastic	2
				59	74311900	Cap, Liquid Level Sensor	1
				60	74311940	Weldment, 20 Gal Tank for Antifreeze or Diesel Tanks	1

Elite Soldier Hydro-Jet - 758E0000

Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
61	75715300	Throttle Control, DC Motor Urb	1	94	75852500	Washer, 2" x 2" x .25" Black	9
62	75729040	Lanyard, Spartan Key Ring	2	95	75852600	Washer, Square, Steel 9/16" ID	6
63	75760072	Light, LED, Red	2	96	75853000	Hex Hd Bolt 3/8-16 x 4 Grd 8	19
64	75760073	Light, Amber Marker (LED)	2	97	75853010	Hex Hd Bolt 1/2-13 x 5 Gr8	2
65	75800850	Nozzle, Closed 4K@10	1	98	75853340	Reducing Nipple, 1/2" to 3/8", High Pressure, Brass	1
66	75800950	Nozzle, Open 4K@10	1	99	75853370	3/8" Swivel Fitting 45, Steel	1
67	75814760	Strap, Nylon Battery Hold Down	1	100	75853700	Gas Strut, 33.94" x M8 25 lbs	2
68	75815100	Decal, Gasoline Only	1	101	75853710	10mm Gas Strut Mounting Socket	4
69	75815301	Box, Battery	1	102	75854010	Decal, Jack Caster Warning	1
70	75815400	Decal, Spartan	2	103	75854030	Decal, Soldier Rear Bumper	1
71	75840100	Weldment, Soldier Frame	1	104	75854050	Decal, Elite Sldr Toolbox Side	2
72	75840200	Axle, Torflex #10 (3,500 lbs)	1	105	75854060	Decal, Elite Soldier Front Fiberglass	1
73	75840310	Tire & Alum Wheel 14" 5 Lug	2	106	75854070	Decal, Elite Sldr Toolbox Rear	1
74	75840591	Rubber Bumper, 3/8-16 Threaded	4	107	75854150	Harness, Trailer Soldier P&P	1
75	75841000	Fiberglass Shell, 758 with Hardware	1	108	75858840	Terminal, Butt Splice 10-12AWG	2
76	75841010	Vinyl Edge Trim, 5/8" Black	1	109	75858890	Connector, Butt Splice Crmp Ht Shrink 16-14 AWG	11
77	75841605	Assy., 200 Gal Watertank Elite	1	110	75860900	Soldier Enclosure	1
78	75841650	Assy., Garden Hose x 2" Cam Lock	1	111	75860900	Soldier Enclosure	2
79	75842440	Fill Cap, Un-Vented Antifreeze	1	112	75864100	Hose, 3/8" ID x 350' Green	1
80	75842900	Shoulder Bolt, 1/2" x 1-1/2"	2	113	75866500	Assy., 3/8" Anti-Turn Around	1
81	75843900	Weldment, Tank Support	2	114	75867030	Adapter, 3/4" GHT Swl- 1/2 NPT	1
82	75844030	Weldment, Tank Deck Support	2	115	75868400	HP Reel Frame Weldment - 2010 Soldier	1
83	75844200	Cannel, Upper Watertank	2	116	75868500	HP Main Support - 2010 Soldier Weldment	1
84	75844300	Grill, 758 Enclosure	1	117	75868600	Rear Upright Weldment - 2010	2
85	75844700	Mudflap, Soldier with Spartan Logo	2	118	75868650	Plate, Index - HP Reel 2010 Soldier	1
86	75845400	Plate, 758 Watertank Cover	1	119	75868700	Pivot Pin. Weldment, 14 inch	1
87	75846500	Weldment, Upper Grill Support	1	120	75868880	Washer 7/8" ID x 1-3/8" OD	4
88	75848020	Nipple, Hex 1/2" Brass	1	121	75870000	Assy., HP Reel - 2010 Soldier	1
89	75850500	Plate, Mud Flap	2	122	75870200	Block, Rest Position Spprt	2
90	75851600	Plate, Reel Upper Support Wash	2	123	75870300	Angle, Block Rest Pos HP Reel	1
91	75852030	Screw, 1/4-20 x 1/2" Button HD	23	124	75870400	Angle, Reel Transit Sprrt	1
92	75852050	1/4 x 1.5 Fend Wash 18-8 SS	6				
93	75852060	Nut, 3/8-16 Flanged Zinc Pltd	9				

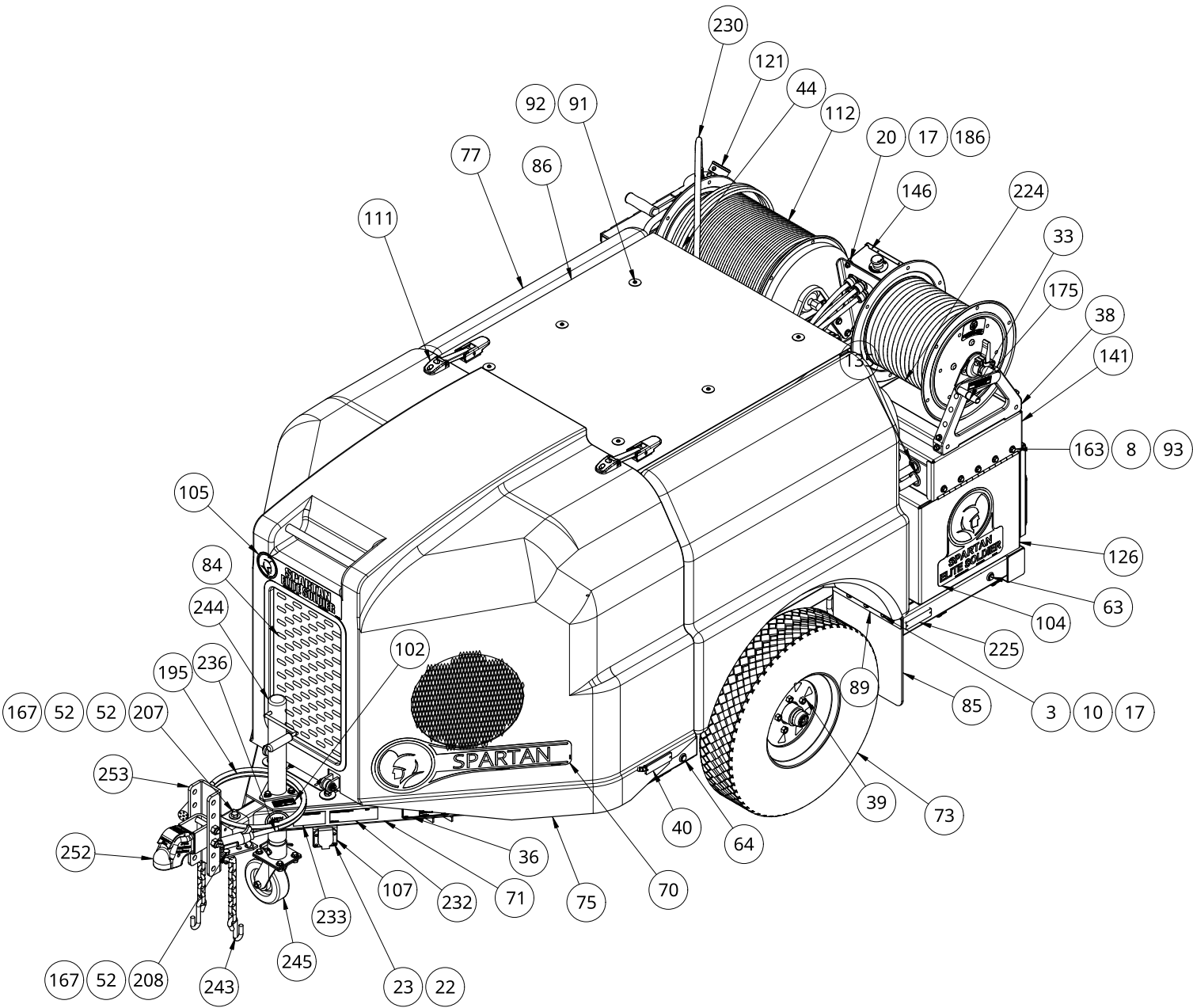
Elite Soldier Hydro-Jet - 758E0000

Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
125	75870500	Angle, Reel Latch 2010	1	158	77711301	Tee, Male Run 1/2" M & F NPT	1
126	75870700	Assy., Soldier Toolbox	1	159	77722100	Frame, Lighted License BLPL1	1
127	75871500	Assembly, Hose Guide 2010	1	160	77726500	Rivet, Pop-3/16" x 3/16" Grip Length, Steel	8
128	75871600	Tank, 8 Gal Gasoline	1	161	77728900	Cap, Cable	1
129	75871700	Weldment, 8 Gal Gas Tank	1	162	77736900	Clamp, Hose 1-5/16 - 2-1/4 #28	6
130	75871800	Strap, 8 Gal Gas Tank	2	163	77738100	Screw, Cap Hex Hd 3/8-16 x 1"	36
131	75872000	Assy., Index Latch - Soldier	1	164	77738800	Decal, Caution Manual/Reel	1
132	75874005	Latch, Lockable Over Center	2	165	77738900	Decal, Warning Rear	1
133	75874010	Clasp, Lockable Over Center	2	166	77743400	Washer, Lock-Split Medium 5/16"	10
134	75874015	Clevis, 3/8" x 1-1/2" Zinc	2	167	77744800	Nut, Stover Lock 1/2-13 Unc Grade C - Zinc Pltd	6
135	75874020	Grommet, 1-1/4" x .125" Thick	4	168	77746000	Clamp, Hose 7/32 - 5/8 S.S.	3
136	75874035	Cable, Hold 3/8" Ring x 22"	1	169	77747800	Locknut, Stover 5/16-18 Unc Zinc Pltd	3
137	75874040	Cable Assy., Throttle Elite	1	170	77748000	Nut, Stover Lock 3/8-16 Unc	52
138	75874060	Decal, Elite Recirc Valve	1	171	77748200	Hose, 1-1/2" x 4 Spiral	1
139	75874100	Assy., Unloader Recirc Elite	1	172	77748200	Hose, 1-1/2" x 4 Spiral	1
140	75874150	Assy., Low PSI Valve - Manual Elite	1	173	77748200	Hose, 1-1/2" x 4 Spiral	1
141	75874300	Weldment, HP Recirc Box Upper	1	174	77759900	Screw, Cap Hx Hd 3/8-16 x 1-1/4 Zinc Pltd - Gr8	6
142	75874310	Weldment, HP Recirc Box Lower	1	175	77763500	Decal, Crank	2
143	75874320	Assy., Rioned Actuator Side Mount for Elite Soldier	1	176	77766300	Decal, Danger "No Smoking"	1
144	75874350	Assy., Water Tank Drain Elite	1	177	77767600	Clamp, Hose 11/16 - 1-1/4 S.S. Worm Drive	12
145	75874400	Bracket, Control Box Elite	1	178	77785200	Mount, Motor	6
146	75874410	Control Box, Elite Soldier	1	179	77799800	Handgun Lance Vnozzle Assy 3/8" NPT	1
147	75874411	Harness, Elite Soldier Power	1	180	77799825	Hose Assy., Wash Down Kit	1
148	75874412	Harness, Elite Soldier Engine	1	181	77800600	Assy., Hose Guard 2"	1
149	75874413	Sensor Harness	1	182	79812000	Barb, Hose 1-1/4 Mpt x 1-1/4 Po	1
150	75874414	Harness, Elite Soldier Remote	1	183	79824400	Screw, Sock Hd Cap 1/4-20 x 1.5	2
151	75874416	Harness, Inline Starter Relay Elite Remote	1	184	79827300	Hand Crank, HP Reel Soldier 738	1
152	75874500	Assy., Power Pack Elite Soldier	1	185	79827900	Tubing, Heat Shrink 1.1" : 3/8" Red	1
153	75874520	Weldment, Uni Af/Gas Tank Mnt	1	186	79838800	Nut, Flanged 5/16-18	22
154	75874570	Tach, EFI Engine	1	187	79842200	Clamp, Hose 1/2	19
155	75879190	Assembly, Soldier Reel Lock	1	188	79843900	Elbow, 1/2" NPT x 3/4" Barb	2
156	77705101	Elbow, 90 Deg Street 1/2 Steel	1				
157	77710200	Hose, 1-1/4" x 8.5 Spiral Sm	1				

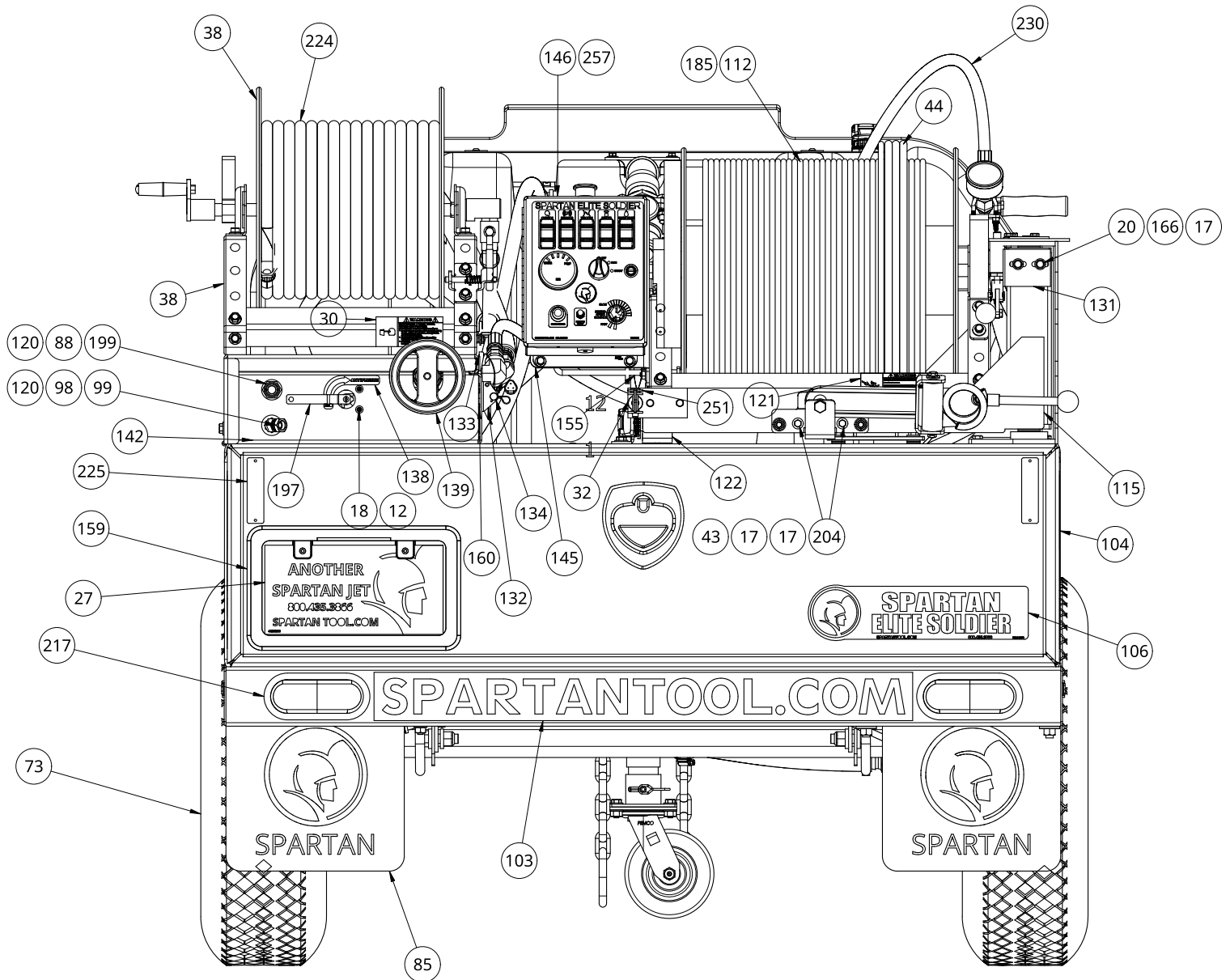
Elite Soldier Hydro-Jet - 758E0000

Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
189	79847800	Battery, 850 CCA	1	223	79943100	Washer, 17/32 ID, 2" OD, Znc	2
190	79849800	Hose, Fuel 5/16"	1	224	79944100	Hose, Garden 5/8" x 100'	1
191	79854500	Nut, 5/8-11 Hex Lock	2	225	79945830	Reflector-Red	4
192	79860000	Clamp, Vinyl Coated 5/8"	7	226	79947640	Bracket, 7Pin Recepticle	1
193	79866600	Antifreeze, Pink RV Antifreeze	1	227	79948250	Plug, 2Pos Deutsch	1
194	79868500	Clamp, Hose 2" Vinyl Coated	2	228	79948251	Female Socket, 16-20 Deutsch	2
195	79900601	Cord, 7 Pole Quick Release 6'	1	229	79948252	Wedge, Plug 2Pos Deutch	1
196	79904200	Breakaway Kit, with Charger	1	230	79950000	Hose, Hp Reel Inlet Hose (Vis)	1
197	79904410	Valve, 1/2" Brass 3 Way	1	231	79950000	Hose, Hp Reel Inlet Hose (Vis)	1
198	79904475	Valve, Relief Bronze 50-175PSI	1	233	79952100	Decal, VIN Number	1
199	79904492	Adapter, Garden Hose 3/4M-1/2FM	1	233	79952200	Decal, Tire & Loading	1
200	79904497	Hose, 3/4" Clear	1	234	79952300	Decal, Wheel & Lug Nuts	1
201	79904497	Hose, 3/4" Clear	1	235	79952400	Decal, Safety Chain	1
202	79904497	Hose, 3/4" Clear	1	236	79952700	Decal, NATM Compliance	1
203	79904930	Coupling, Hex 1/2NPT Steel	1	237	79953825	Strobe Beacon Magentic	1
204	79908100	Screw, Hex Hd 1/4-20 x 3 Zinc	2	238	79953826	D Battery	2
205	79908200	Washer, Flat 1/4 SAE	4	239	79953840	Electric Pulsator Assy. - 2016	1
206	79917150	Strap, 20 Gal Fuel	2	240	79959500	3/4" Hosebarb x 1/2" Mpt Elb Br	5
207	79920140	Screw, 1/2-13 x 4-1/2 Hx Gr8	2	241	79959605	Decal, Water Valve	1
208	79920145	Screw, 1/2-13 x 1-1/2 Hx Gr8	2	242	79959610	Decal, Drain Valve	1
209	79920150	Screw, 3/8-16 x 1-1/2 Hx Gr8	6	243	79960000	Safety chain, Clevis w/Latch	2
210	79920154	Screw, Hx Hd Cap 1/4-20x2"	1	244	79960500	Jack Stand Large Jet	1
211	79920160	Screw, Hex Hd Gr8-5/8-18x2	4	245	79960530	Assembly, Jack Stand Caster	1
212	79920161	Washer, Flat 5/8 Gr8	8	246	79962300	Clamp, Insulated 7/8"	2
213	79920162	Nut, Hex Top Lock 5/8-18 Gr C	4	247	79962310	Clamp, Insulated 1-1/2" ID	1
214	79920185	Cable, Bat Red Pos 48" 2 Ga	1	248	79962321	Hose, Rbbr 1-1/2" OD-1-1/4 ID	1
215	79920243	Weldment, Clutch Actuator Brkt	1	249	79962321	Hose, Rbbr 1-1/2" OD-1-1/4 ID	1
216	79920628	Ball Stud, 10mm - 5/16-18 Thread	4	250	79966200	Flex Head Shrink Tubing	1
217	79920720	Breaklight, Oval Lamp	2	251	79966310	Pin, Locking 3/8 Dia 1-3/8	1
218	79921400	Tank, Anti-freeze (2008)	1	252	79966500	Coupler, 2" Ez-Latch	1
219	79922570	Ball Joint End	2	253	79966551	Weldment, Drop Coupler	1
220	79931380	Elbow, 1-1/4" Poly 45 Deg Street	1	254	79976230	Valve Spacer Inner, Rioned	1
221	79942600	Washer, Flat SAE 1/2", .074 THK	7	255	79976235	Valve Spacer Outer, Rioned	1
222	79942700	Nut, Hex Jam 1/2-20 - 5/16 Ht	4	256	79976241	Screw, M6 x 65mm Hx Hd	4

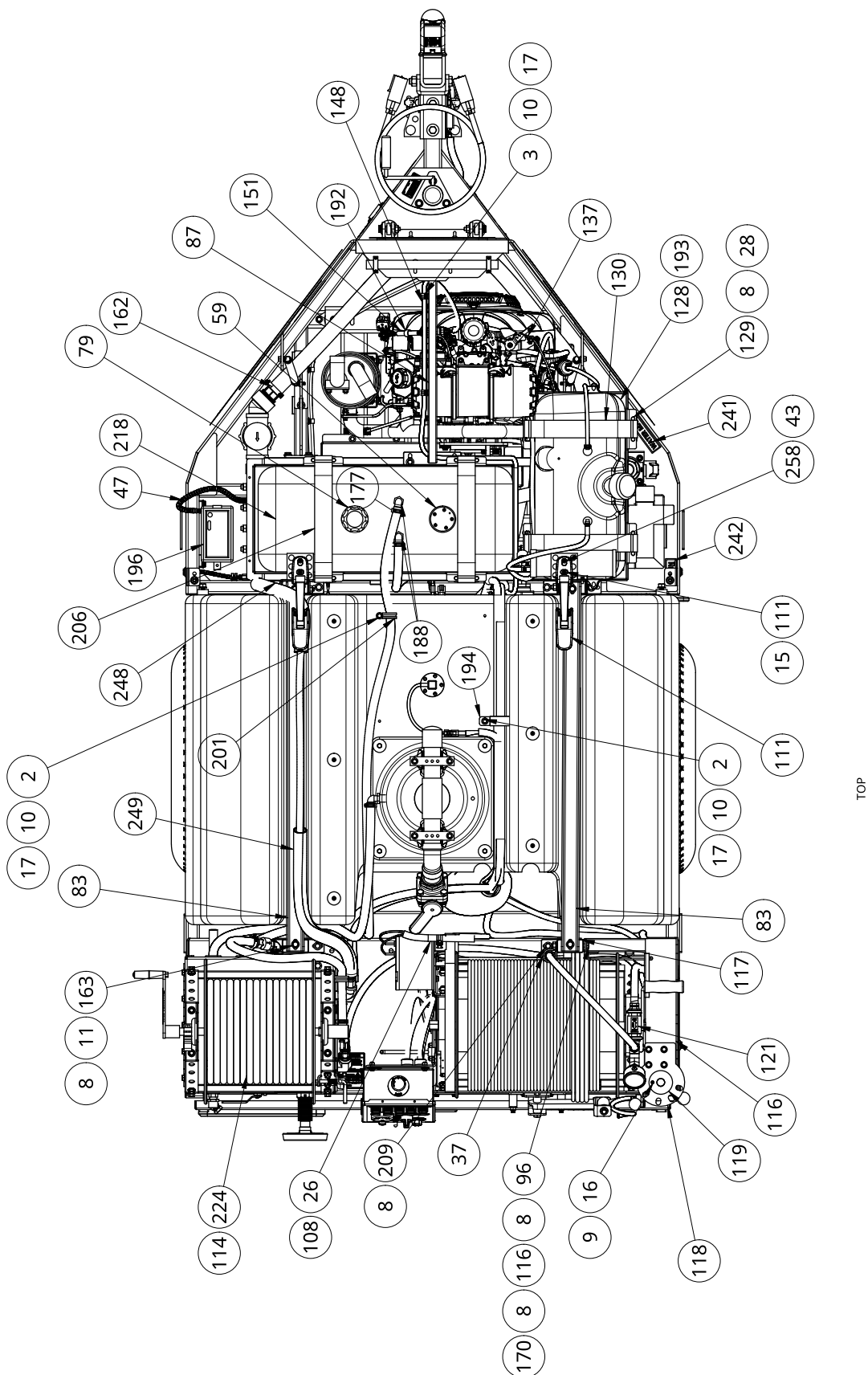
Elite Soldier Hydro-Jet - 758E0000



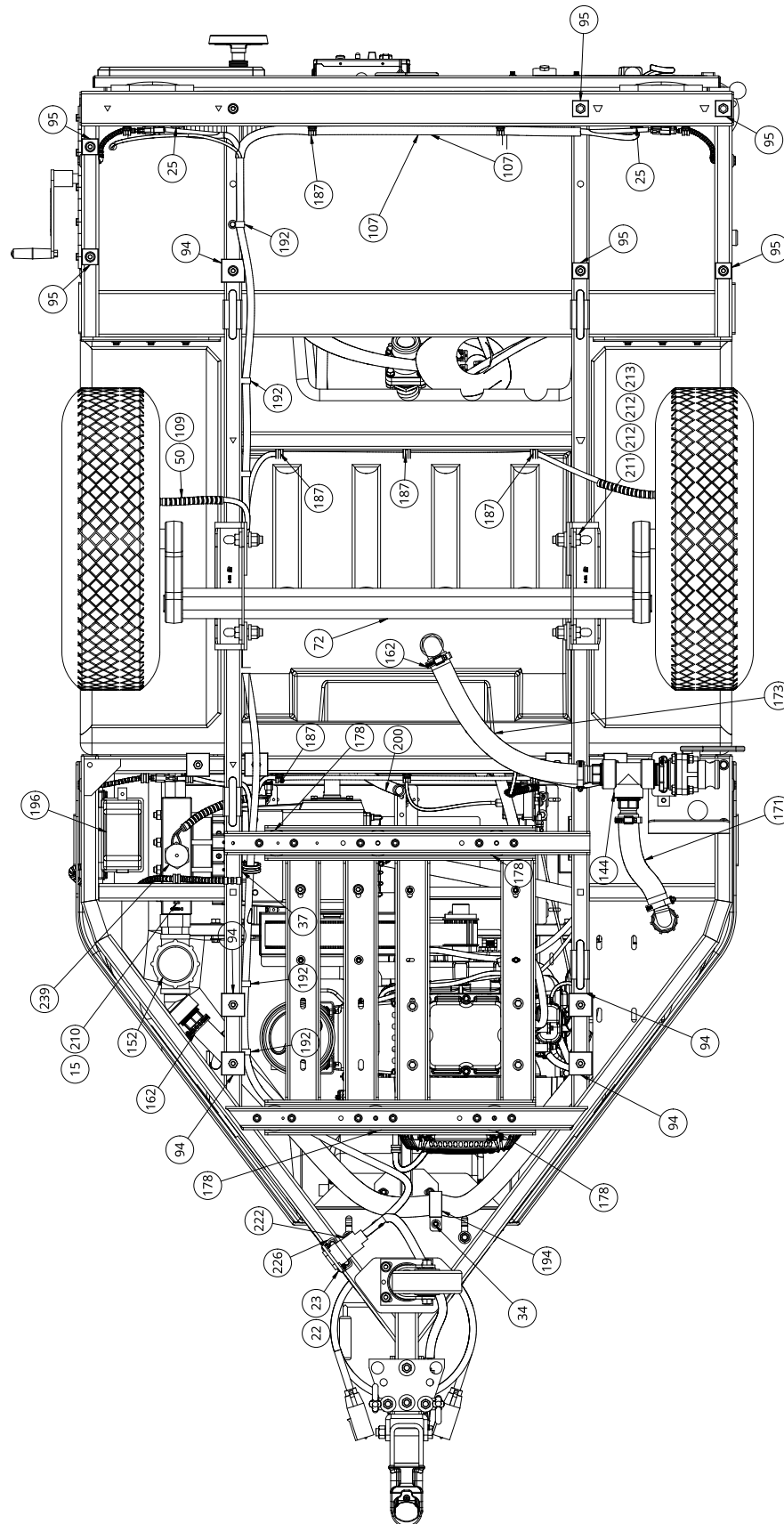
Elite Soldier Hydro-Jet - 758E0000



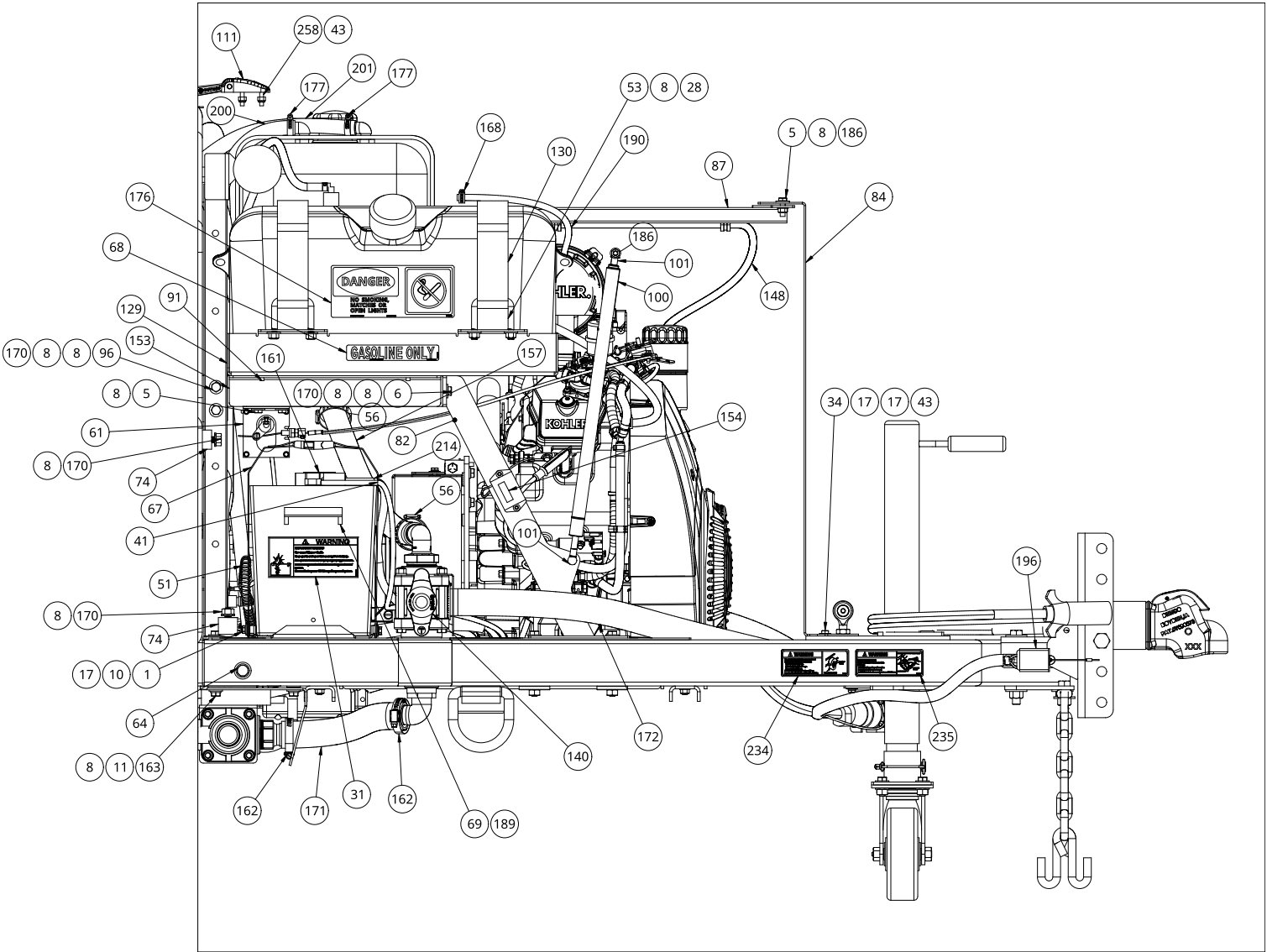
Elite Soldier Hydro-Jet - 758E0000



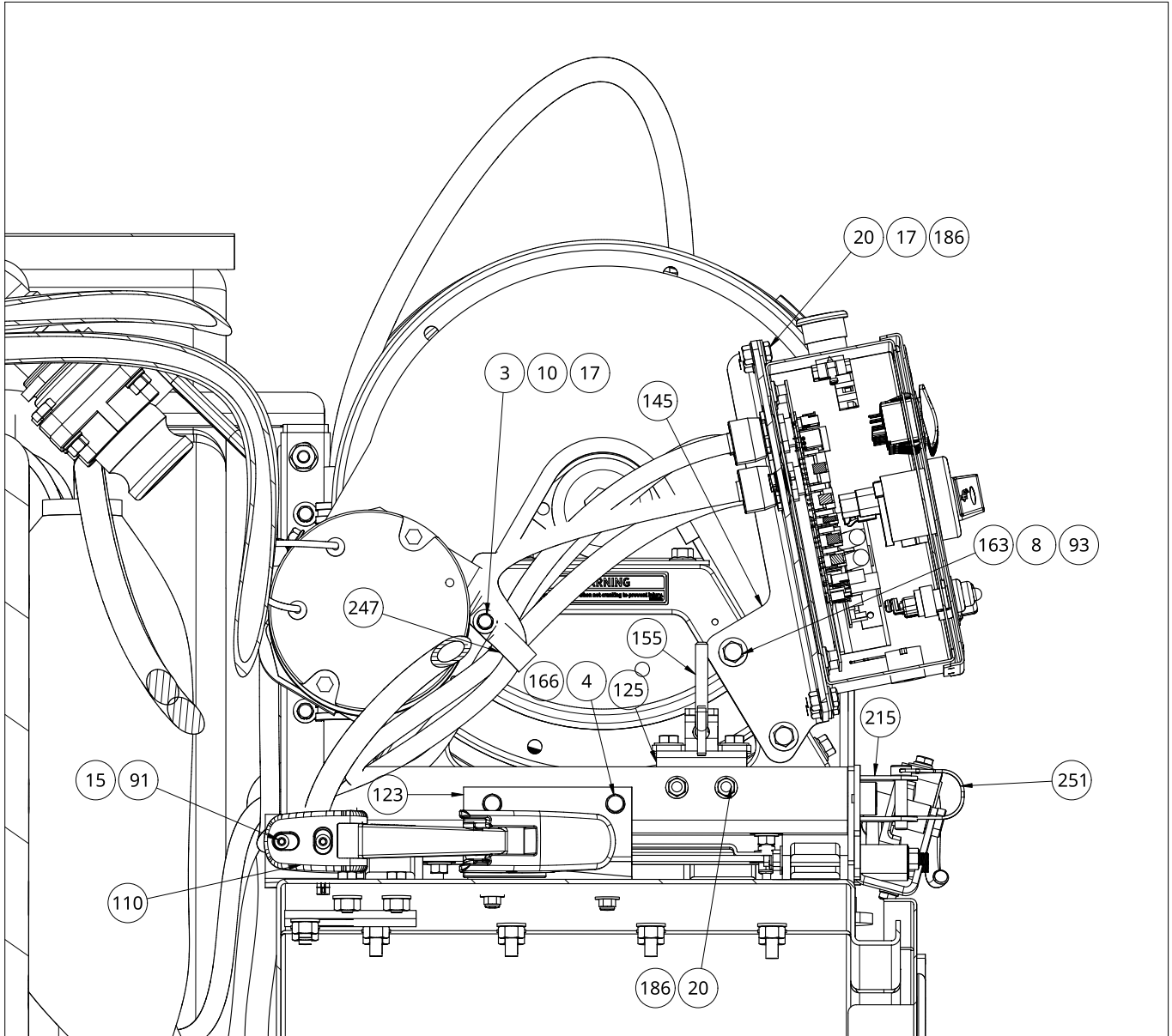
Elite Soldier Hydro-Jet - 758E0000



Elite Soldier Hydro-Jet - 758E0000

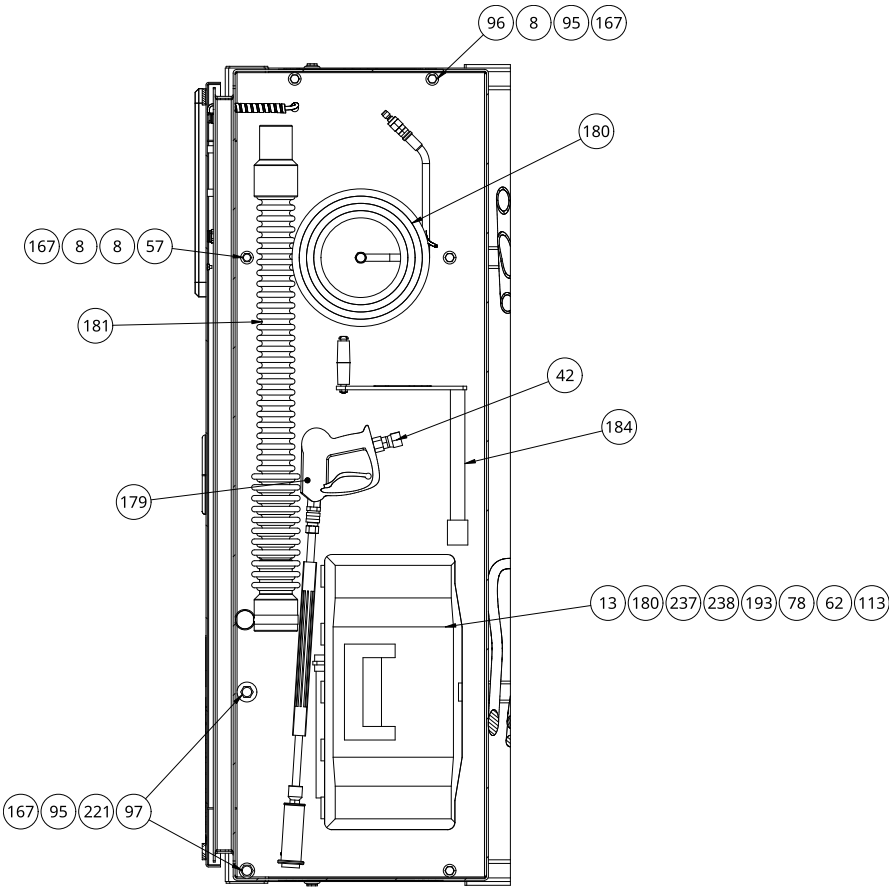


Elite Soldier Hydro-Jet - 758E0000

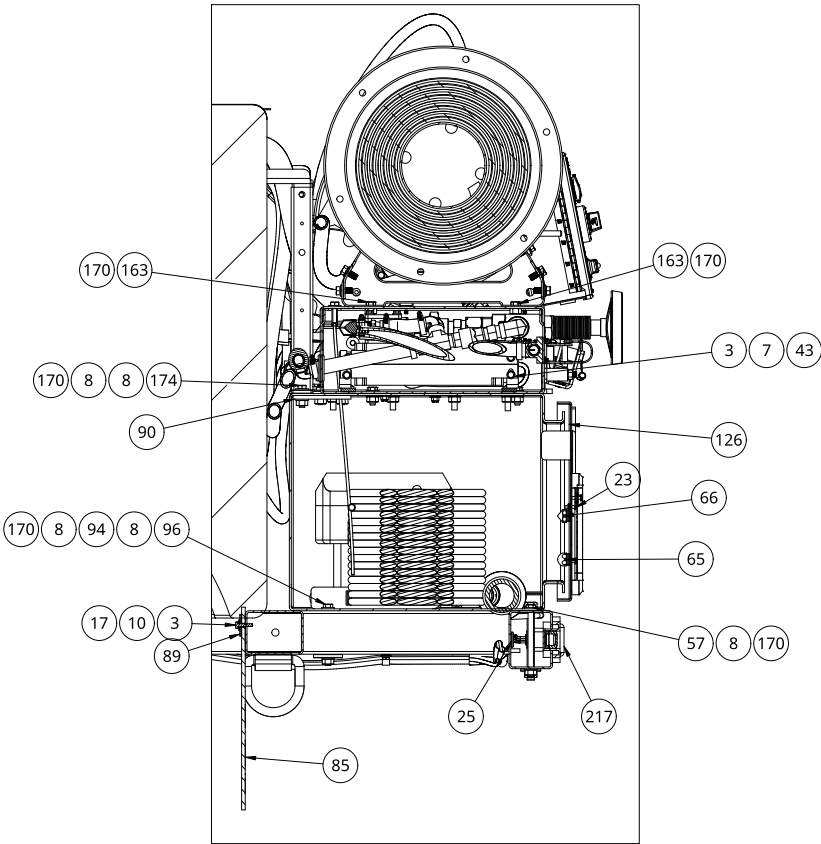


DETAIL D
SCALE 1:2

Elite Soldier Hydro-Jet - 758E0000

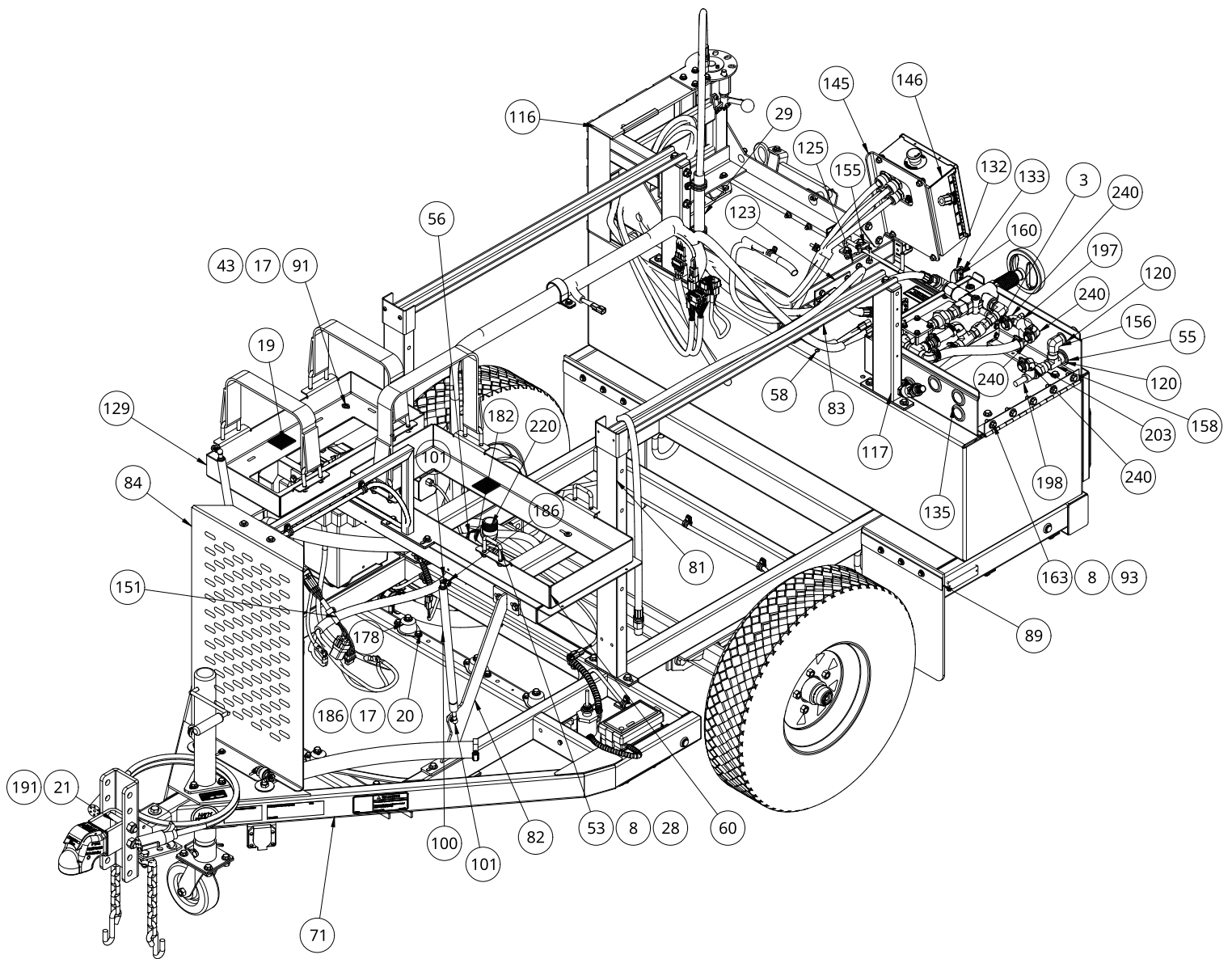


SECTION B - B



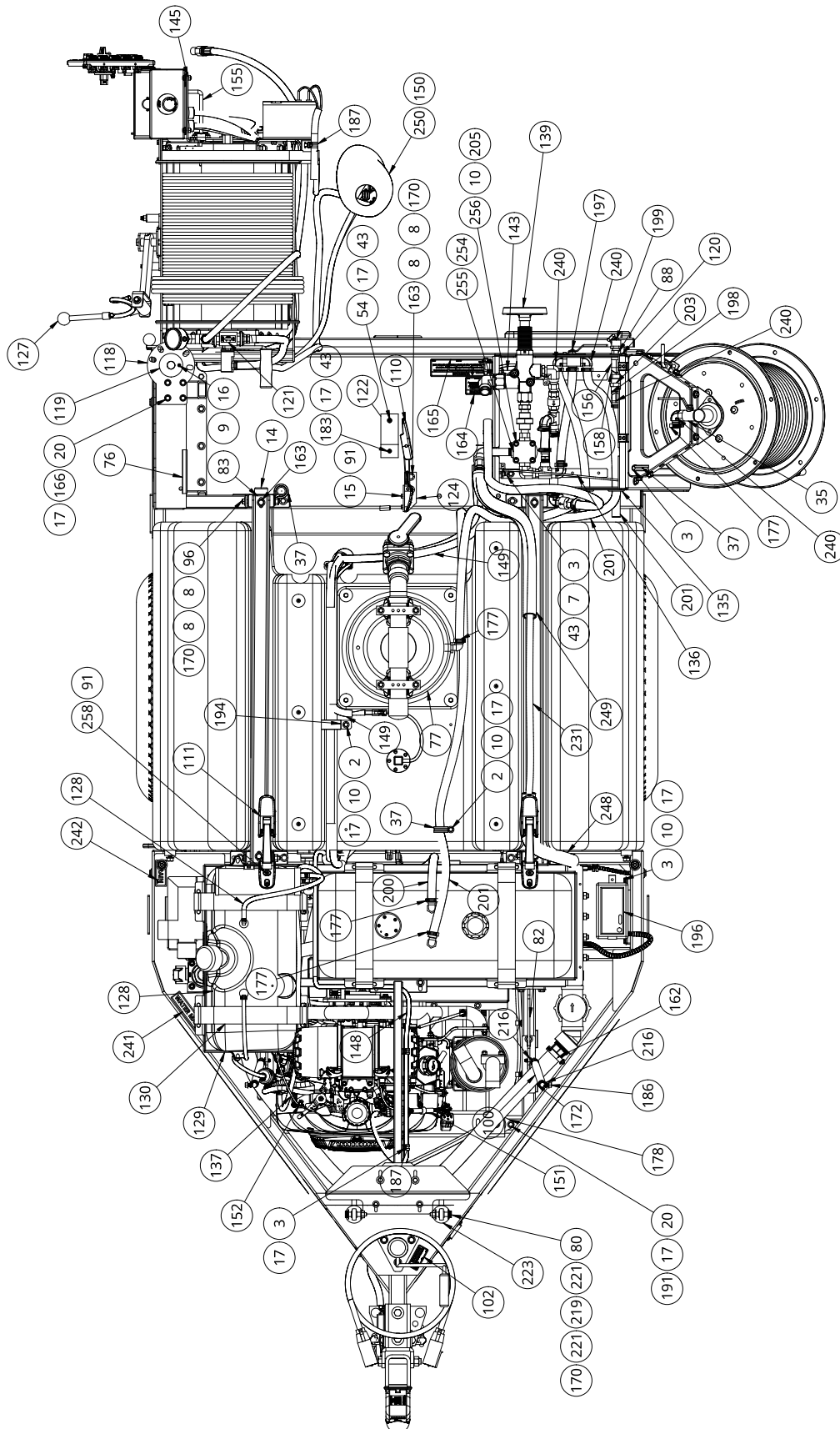
DETAIL C

Elite Soldier Hydro-Jet - 758E0000

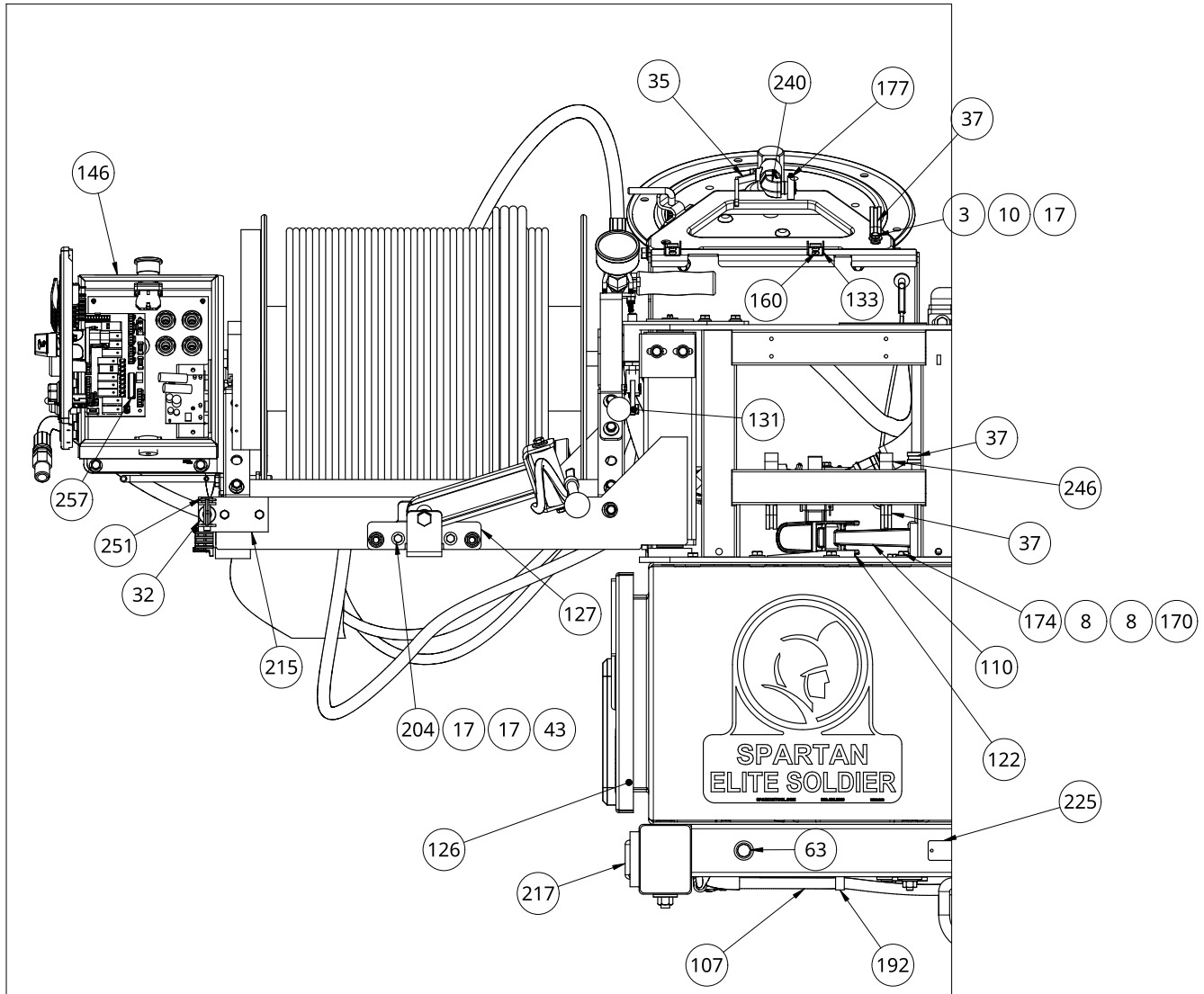


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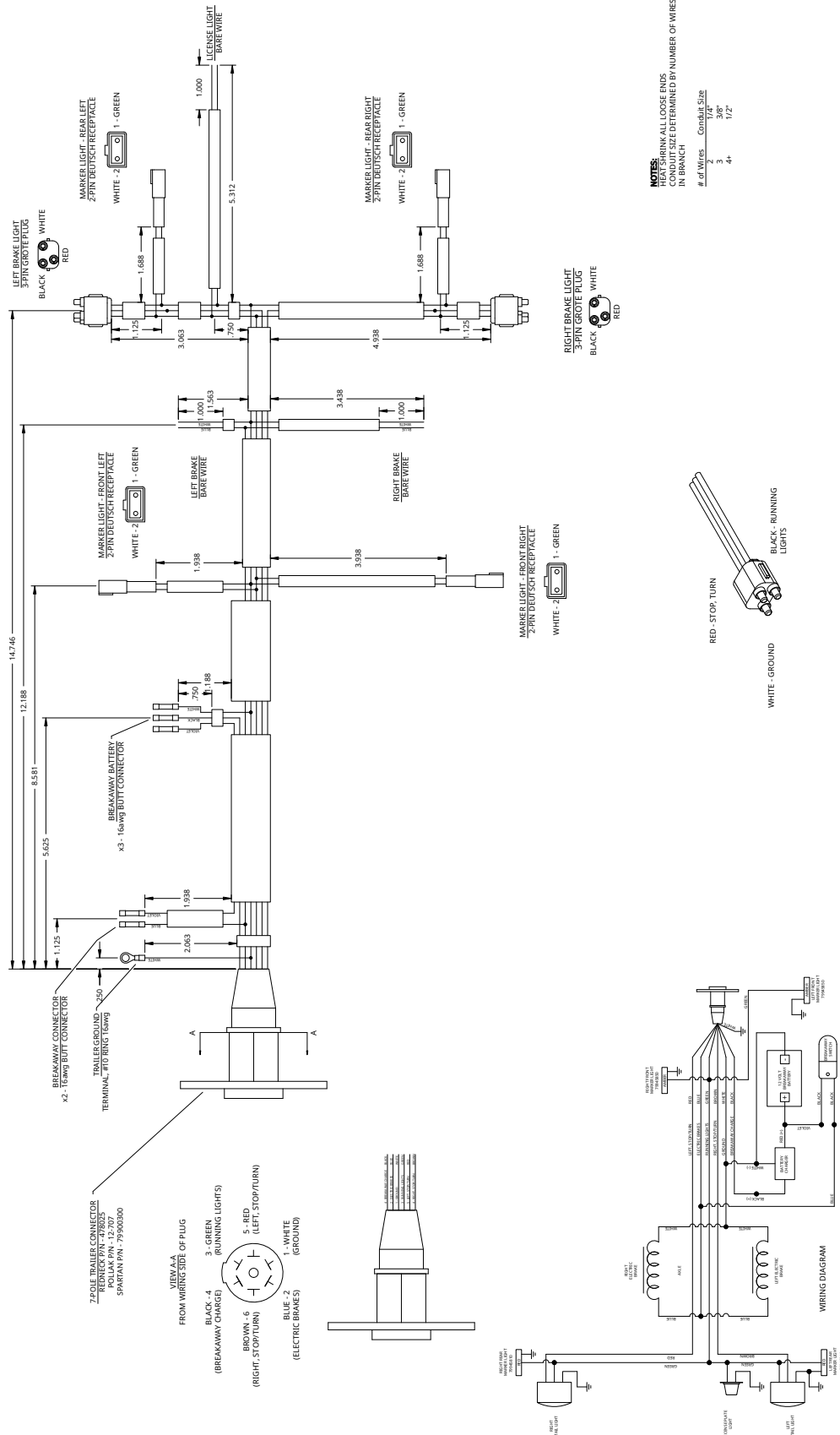
Elite Soldier Hydro-Jet - 758E0000



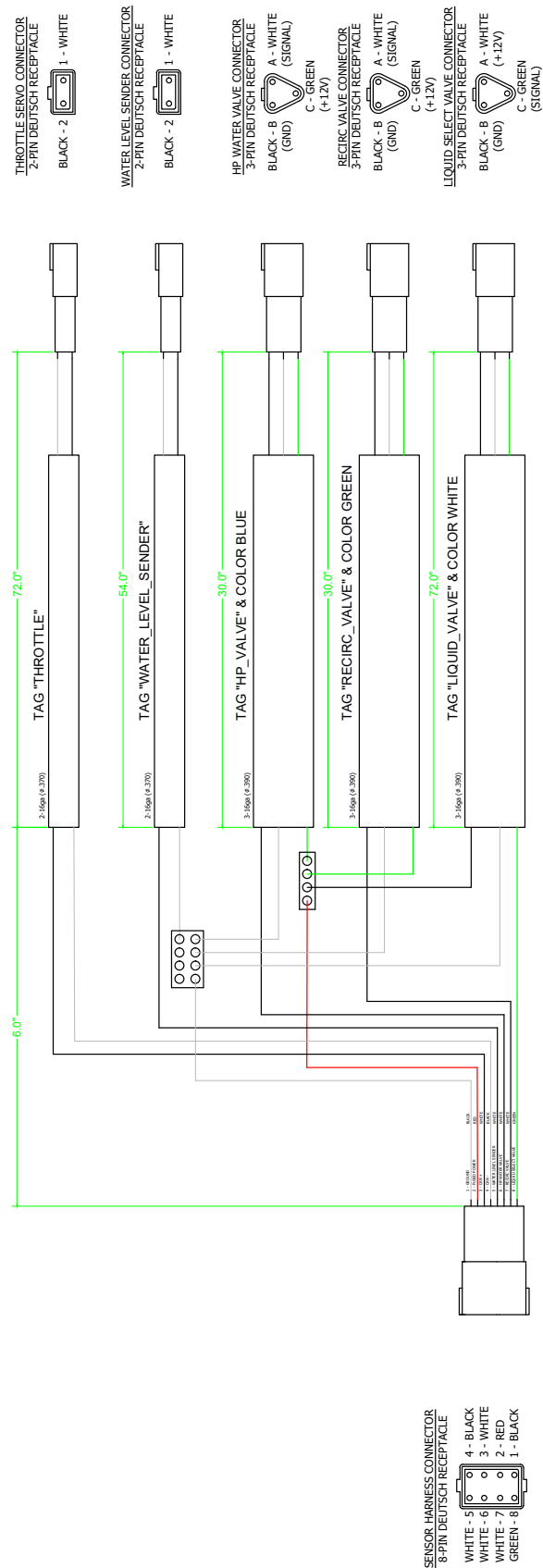
DETAIL A



Trailer Wiring Harness - 75854150

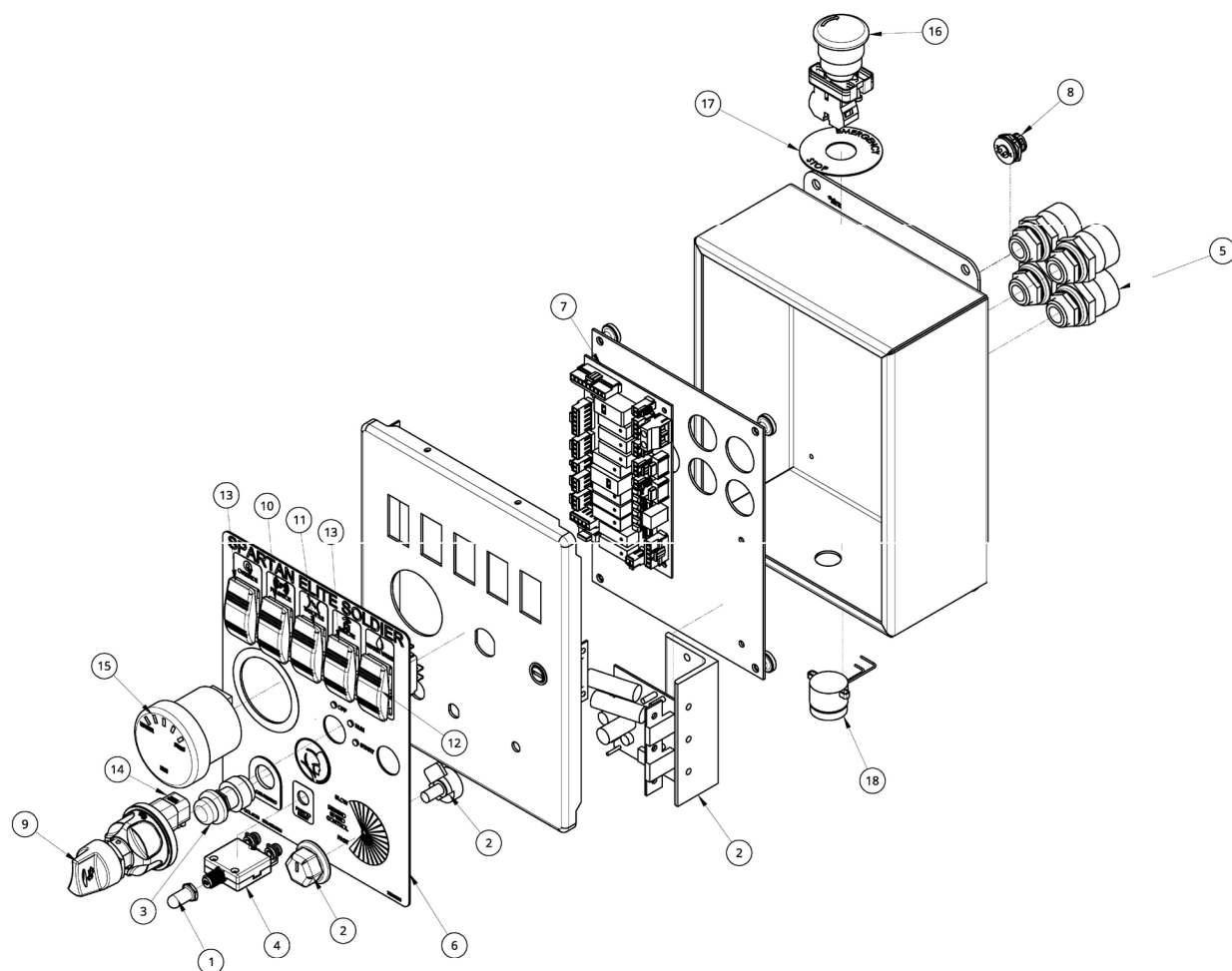


Sensor Harness - 75874413





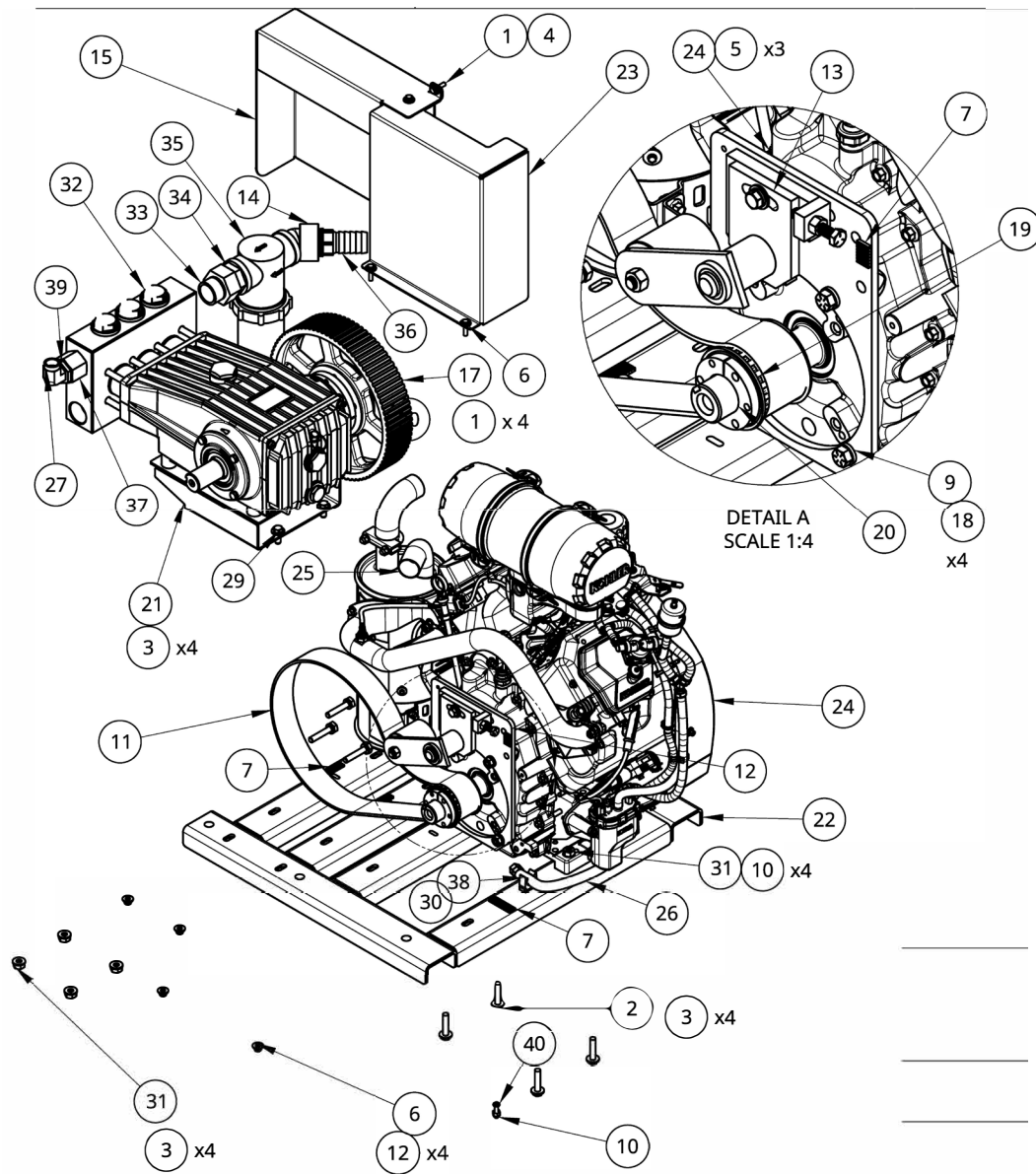
Control Box - 75874410



Item	Part Number	Description	Qty.
1	75815810	Boot, Rubber Murphy	1
2	75846100	PCB, Variable Speed Controller	1
3	75846110	Push Button, Variable Speed	1
4	75854200	Breaker, Circuit 40A	1
5	75857600	1/2" Connector	4
6	75869095	Decal, Elite Soldier Control	1
7	75874415	PCB, Elite Soldier Controls	1
8	75875830	Connector, Panel 2Pos Pin Rcpt	1
9	79925320	Key Switch, Ignition 3Pos Sealed Deutsch	1

Item	Part Number	Description	Qty.
10	79944620	Rocker, Black Spst 20A, 12VDC	1
11	79944625	Rocker, (On) Off (On) Black	1
12	79944630	Rocker, Blue Illum Spst 20A, 12VDC	1
13	79944650	Rocker, Black Dpdt 20A, 12VDC	2
14	79944810	Plug, 6Pos Deutsch	1
15	79945400	Gauge, Tank Level 2008	1
16	79954400	Switch, E-Stop	1
17	79954500	Legend Plate, E-Stop	1
18	79955100	Buzzer w/Wires	1

Assy, Power Pack - 75874500

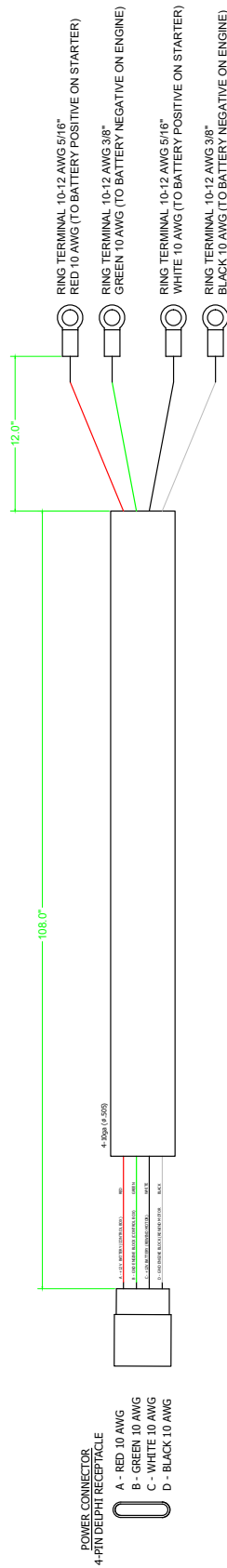


Assy, Power Pack - 75874500

Item	Part Number	Description	Qty.
1	00113901	Screw, Hx Hd Cap 1/4-20x1 Zinc Pltd	6
2	00116900	Screw, Cap Hx Hd 3/8-16x1-3/4	4
3	00162600	Washer, Flat 5/16" USS Zinc	12
4	00165400	Washer, Lock-Split Med 1/4	2
5	00165800S	Washer, Lock-Split Med 3/8	3
6	02825100	Washer, Flat 1/4	11
7	02865500	2 x 4 1/4 x 1/8 Blck Corrugated Rubber Mating	2
8	03366300	Washer, Flat 3/8 SAE Zinc Pltd	4
9	44308800	Washer, Split-Lock Heavy 7/16	3
10	73821200	Nut, Nylok Lock 1/4-20	6
11	75820400	Belt, 480H200 (758 27HP)	1
12	75846950	Plate, Belt Tensioner Elite	1
13	75847000	Assy, Soldier Belt Tensioner	1
14	75853620	1-1/2" Poly Street Elbow 45 De	1
15	75874501	Belt Guard, Street Side	1
16	75874502	Screw, Hx Head 7/16-14 x 1	3
17	75874503	Pulley, QD72H200 Engine	1
18	75874504	Bushing, SFX35 Pump	1
19	75874505	Pulley, QD18H200 Engine B&B	1
20	75874506	Bushing, SH 1-7/16 Engine	1

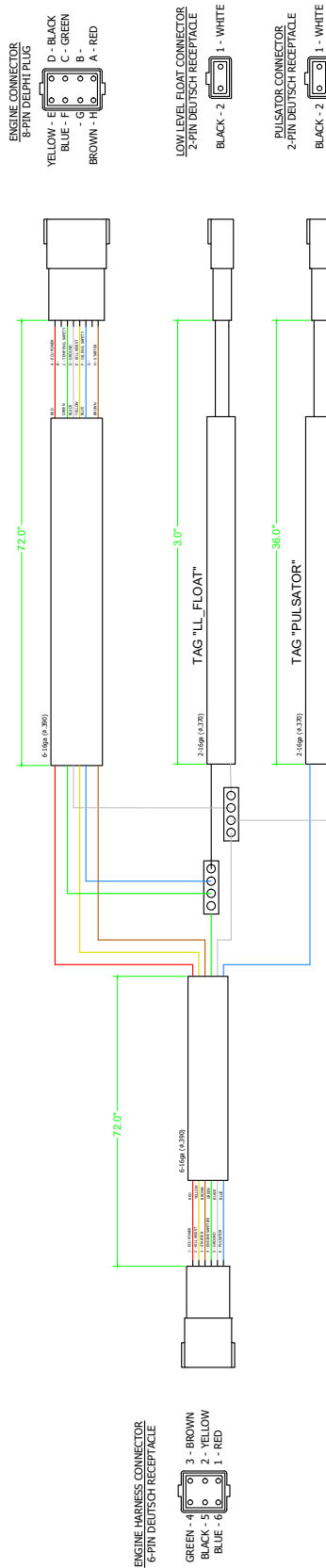
Item	Part Number	Description	Qty.
21	75874507	Weldment, Pump Pedestal	1
22	75874510	Weldment, Engine Mount	1
23	75874514	Belt Guard, Curb Side Elite	1
24	75874550	Engine, 38HP EFI Kohler	1
25	75874560	Exhaust, 38HP EFI Kohler	1
26	75874590	Oil Drain Hose, Kohler (26.5HP)	1
27	77705101	Elbow, 90 Deg Street 1/2 Steel	1
28	77724000	1/2" x 3/8" Pipe Bushing	1
29	77738100	Screw, Cap Hex Hd 3/8-16 x 1"	4
30	77738300	Screw, Cap Hex Hd 3/8-16 x 3/4 Zinc Pltd	3
31	77748000	Nut, Stover Lock 3/8-16 Unc	8
32	79802500	Pump Giant LP301A	1
33	79802510	Adapter, 1-1/4 BSP - 1-1/4NPT	1
34	79811600	Nipple 1-1/2 x 1-1/4 MPT Polyp	1
35	79811700	Strainer, 1-1/2" FPT Polypro	1
36	79812100	Barb, Hose 1-1/2"MPT x 1-1/2" Po	1
37	79812301	Bushing, Red 1" MBSP x 1"NPTF	1
38	79932014	Hose Mounting Clip	1
39	79965540	Reducer, Bushing 1" x 1/2"	1
40	82020100	Screw, 1/4-20x1 Button Head	1

Power Harness - 75874411

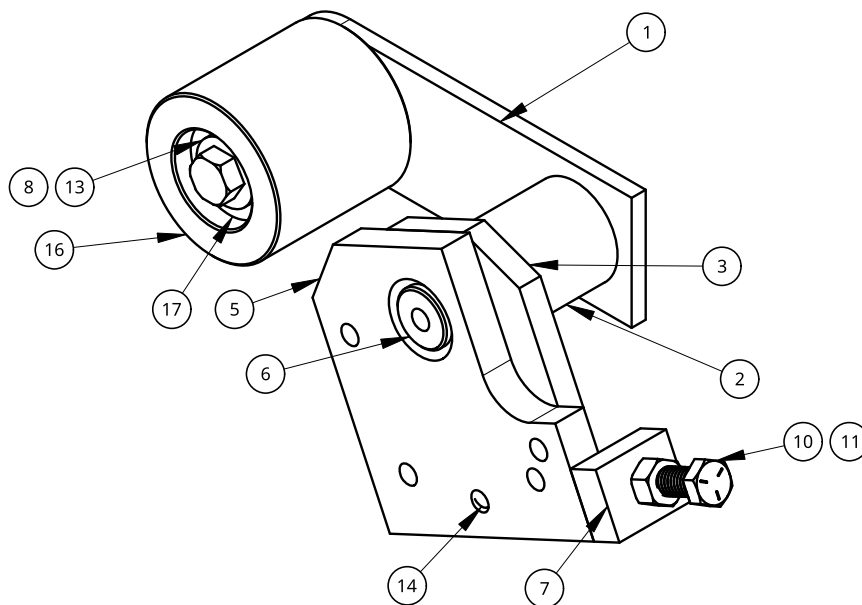




Engine Harness - 75874412



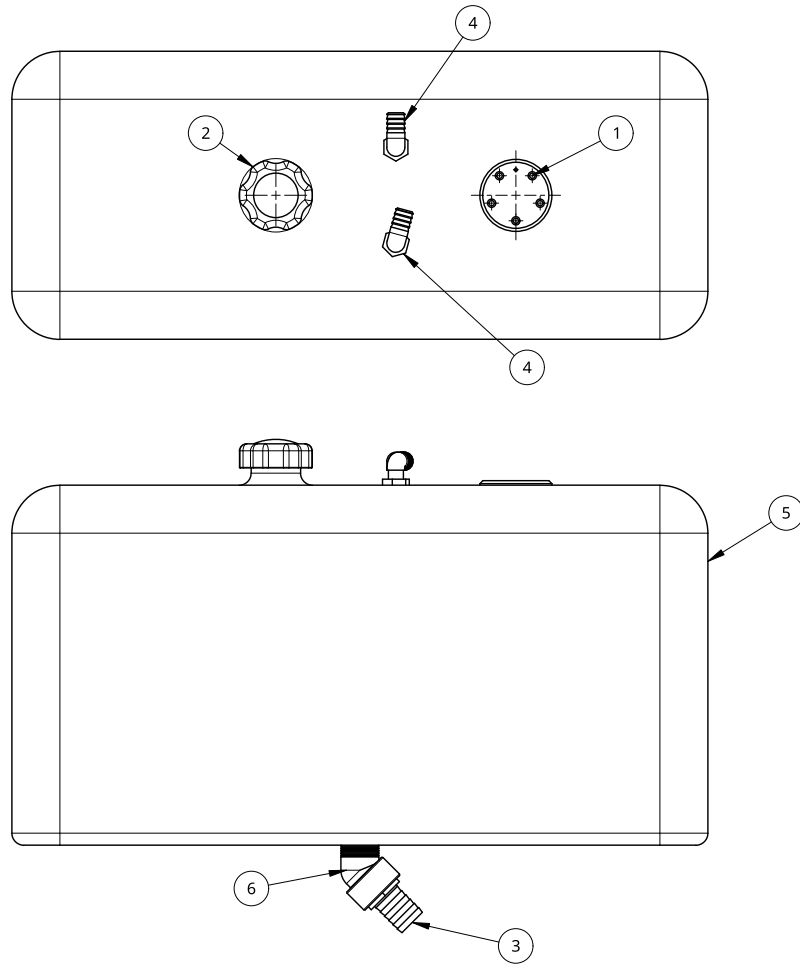
Assy, Soldier Belt Tensioner - 75847000



Item	Part Number	Description	Qty.
1	75848820	Arm, Tensioner	1
2	75848810	Boss, Tensioner Arm	1
3	75848830	Plate, Slotted Tensioner	1
4	75848840	Bushing, Tensioner Arm	2
5	75848530	Base Plate, Tensioner	1
6	75848520	Shaft, Tensioner Pivot	1
7	75848510	Tab, Tensioner Adjustment	1
8	75848850	Screw, Hex Hd 7/16-14 Gr8 Zinc	1
9	75848860	Nut, Hex 7/16-14 Gr8 Zinc Pltd	1
10	75871690	Screw, Cap Hx Hd 3/8-16 x 2	1
11	01733900	3/8-16 Hex Nut	1
12	00165800S	Washer, Lock-Split Medium 3/8	1
13	00162700	Washer, Flat 3/8 USS Zinc Pltd	2
14	77738100	Screw, Cap Hx Hd 3/8-16 x 1"	1
15	00162600	Washer, Flat 5/16" Uss Zinc	1
16	75848710	Idle Roller	1
17	04219700	Bearing Drive Mod 75 Feed	2
18	75848720	Spacer, Idle Roller	1

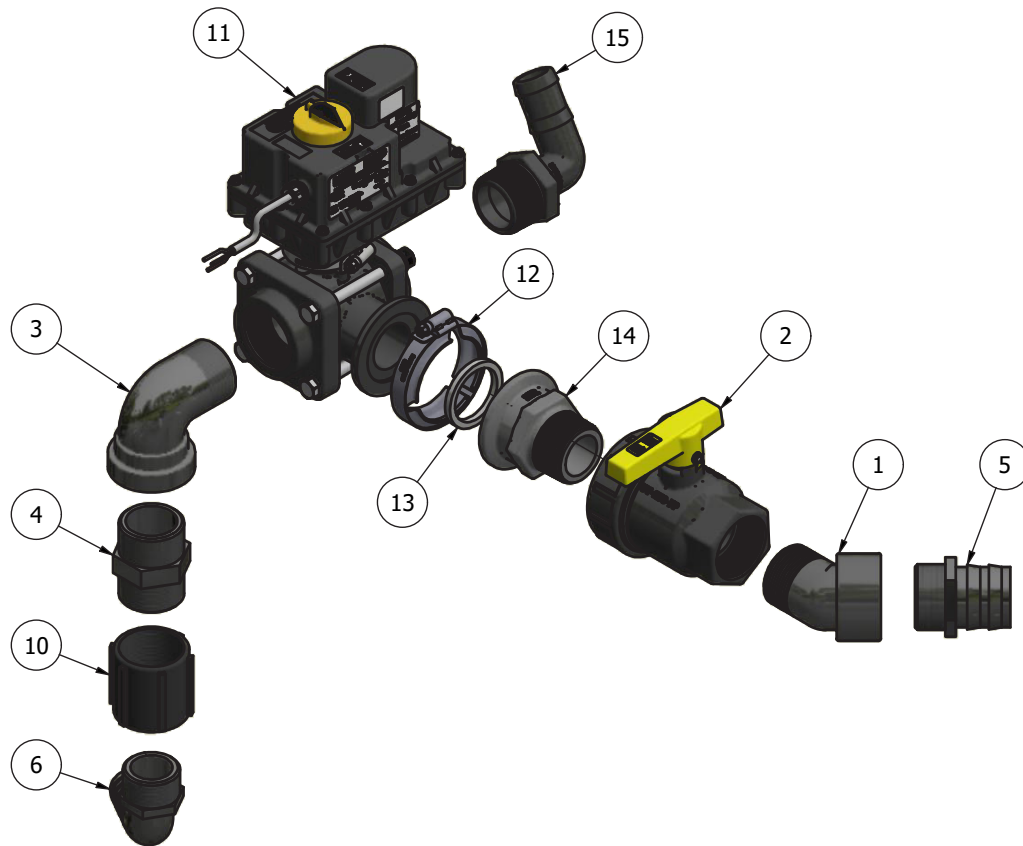


Assy, Low PSI Valve - Manual - 75874150



Item	Part Number	Description	Qty.
1	74311900	Cap, Liquid Level Sensor	1
2	75842440	Fill Cap, Un-Vented Antifreeze	1
3	79812000	Barb, Hose 1-1/4 MPT x 1-1/4 Po	1
4	79843900	Elbow, 1/2" NPT x 3/4" Barb	2
5	79921400	Tank, Anti-Freeze (2008)	1
6	79931380	Elbow, 1-1/4" Poly 45Deg Street	1

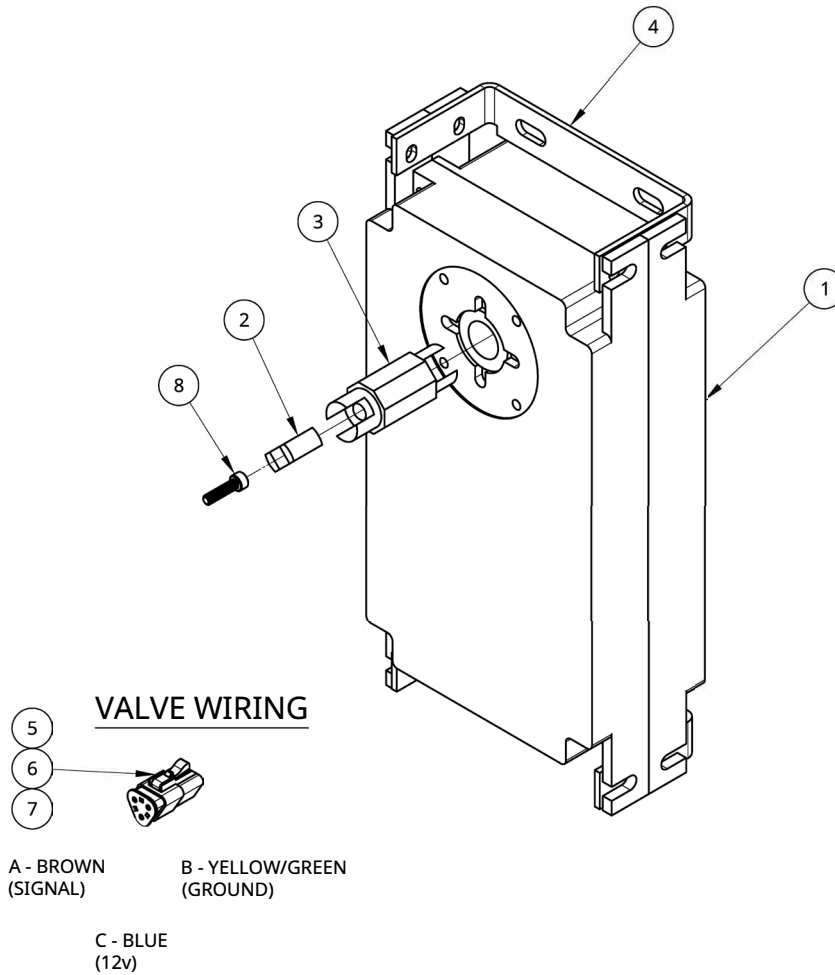
Assy, Low PSI Valve - Auto - 75874250



Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
1	75853620	1-1/2" Poly Street Elbow 45 Deg	1	9	79948255	Wedgelock, 3 Way Plug Deutsch	1
2	75874155	Ball Valve, 1-1/2" Union	1	10	79948256	1-1/2 Coupling	1
3	79811400	Elbow, 90 Degree Street 1-1/2 Poly	1	11	79976135	Valve, 3 Way 1-1/2" Side Load Electric (Modified)	1
4	79811800	Nipple, 1-1/2 x 1-1/2 MPT Polyp	1	12	79976140	Clamp, 2" Flange Banjo	1
5	79812100	Barb, Hose 1-1/2 MPT x 1-1/2 Poly	1	13	79976141	Gasket, 2" Flange Banjo	1
6	79821200	El 90D 1-1/2 MPT x 1-1/2 Hose Barb	1	14	79976145	Adapter, 2" Flange to 1-1/2" MNPT	1
7	79948251	Contact, 16 Gauge Deutsch	3	15	79976150	Elbow, 1-1/2" MNPT x 1-1/4" Barb	1
8	79948255	Plug, 3 Way Plug Deutsch	1				



Assy, Rioned Actuator Side Mount - 75874320



Item	Part Number	Description	Qty.
1	75729104	Actuator Box, Urban Series Plug	2
2	75851450	Actuator Spacer	1
3	75874320	Shaft	1
4	75874322	Bracket, New Rioned Actuator	2
5	79948251	Female Socket, 16-20 Deutsch	3
6	79948255	Plug, 3 Pos Deutsch	1
7	79948256	Wedge, Plug 3 Pos Deutsch	1
8	79976242	Screw, 10-32 x 3/4" Socket Head	1

Soldier Pump Parts List



Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
1	07759*	Crankcase	1	29D	79835000	Copper Ring	3
2	75800506	Oil Filler Plug Assembly	1	30	79802515	Oil Scraper	3
3	05940*	Cover Plate	1	31	79835300	Oil Seal	3
3A	07223-0100*	Spring Ring	2	35	79835700	Seal Sleeve	3
3B	05051*	Hexagon Screw	2	36	79835800	Leakage Seal	3
4	06085*	Crankcase Cover	1	37	79835900	Seal Case	3
5	79832300	O-ring, Crankcase Cover	1	38	79836000	O-Ring, Seal Case	3
6	73810208	Oil Sight Glass w/Gasket	1	38A	79836100	Support Ring	3
8	06086*	Oil Dipstick Assembly	1	39	79836200	O-Ring	3
9	75800511	O-Ring for Dipstick	1	39A	79836300	Support Ring for 39	3
10	01010*	Cylinder Screw	4	40	79836400	V-Sleeve	6
11	79832900	Spring Ring	5	40A	79836500	Pressure Ring	3
12	71705948	Plug, G1/2"	1	40B	79836600	Guide Ring for 40	3
13	06015*	O-Ring	1	41	79836700	Pressure Spring	3
14	79833200	Bearing Cover	2	43	79836800	Valve Casing	1
15	79833300	Radial Shaft Seal	2	44A	79836900	O-Ring	9
16	79833400	O-Ring for Bearing Cover	2	44B	79837000	Support Ring for O-Ring	3
17	79833500	Hexagon Screw	8	45	79837100	Compression Spring	3
20	79833600	Taper Roller Bearing	2	46	79837200	Valve Assy., Complete, 46A-D	6
20A	79833700	Shim, 0.1 mm	1-3	46A	79837300	Valve Seat	6
20B	79833800	Shim, 0.15 mm	1-3	46B	79837400	Valve Plate	6
20C	04491*	Shim, 0.2 mm (<i>may not be present</i>)	1-3	46C	07062-0100*	Valve Spring	6
21	79833900	Shaft Protector	1	46D	79837600	Spacer Pipe	6
21A	79833900	Shaft Guard Holder	1	48	79837700	Plug	3
22	13242*	Crankshaft	1	49	79837800	Stud Bolt	8
23	79834100	Key	1	49A	79837900	Hexagon Nut	8
24	13340*	Connecting Rod Assembly	3	49B	79838000	Disc	8
24A	13277*	Inner Hex Screw	6	50	12250*	Plug, 1/2" BSP, S.S.	1
24B	13278*	Spring Washer	6	50A	06807*	Steel Ring	1
25	13341*	Crosshead Assembly	3	52	79838100	Disc for Crankshaft	1
28	13232*	Crosshead Pin	3	53	04561*	Hexagon Screw	1
29A	79834700	Centering Sleeve	3	54	79838300	Plug, 1" BSP	1
29B	07126*	Plunger Pipe	3	55	79838400	Plug, 1-1/4" BSP	1
29C	79965127	Tensioning Screw	3				

* Giant part numbers



Pump Repair Kits

Item	Part Number	Description	Qty.
	05445*	Crankcase Assembly	
	04869*	Plunger Replacement Kit	
	04533*	Pump Head Assembly	

INLET VALVE ASSY. KIT (7983650)

Item	Part Number	Description	Qty.
44A	79836900	O-Ring	9
44B	79837000	Support Ring	3
46A	79837300	Valve Seat	3
46B	79837400	Valve Plate	3
46C	07062-0100*	Valve Spring	3

* Giant part numbers

PLUNGER PACKING KIT (79838500)

Item	Part Number	Description	Qty.
36	79835800	Leakage Seal	3
38	79836000	O-Ring	3
38A	79836100	Support Ring	3
39	79836200	O-Ring	3
39A	79836300	Support Ring	3
40	79836400	V-Sleeve	6
40A	79836500	Pressure Ring	3

OIL SEAL KIT (79835350)

Item	Part Number	Description	Qty.
31	07133	Oil Seal	3

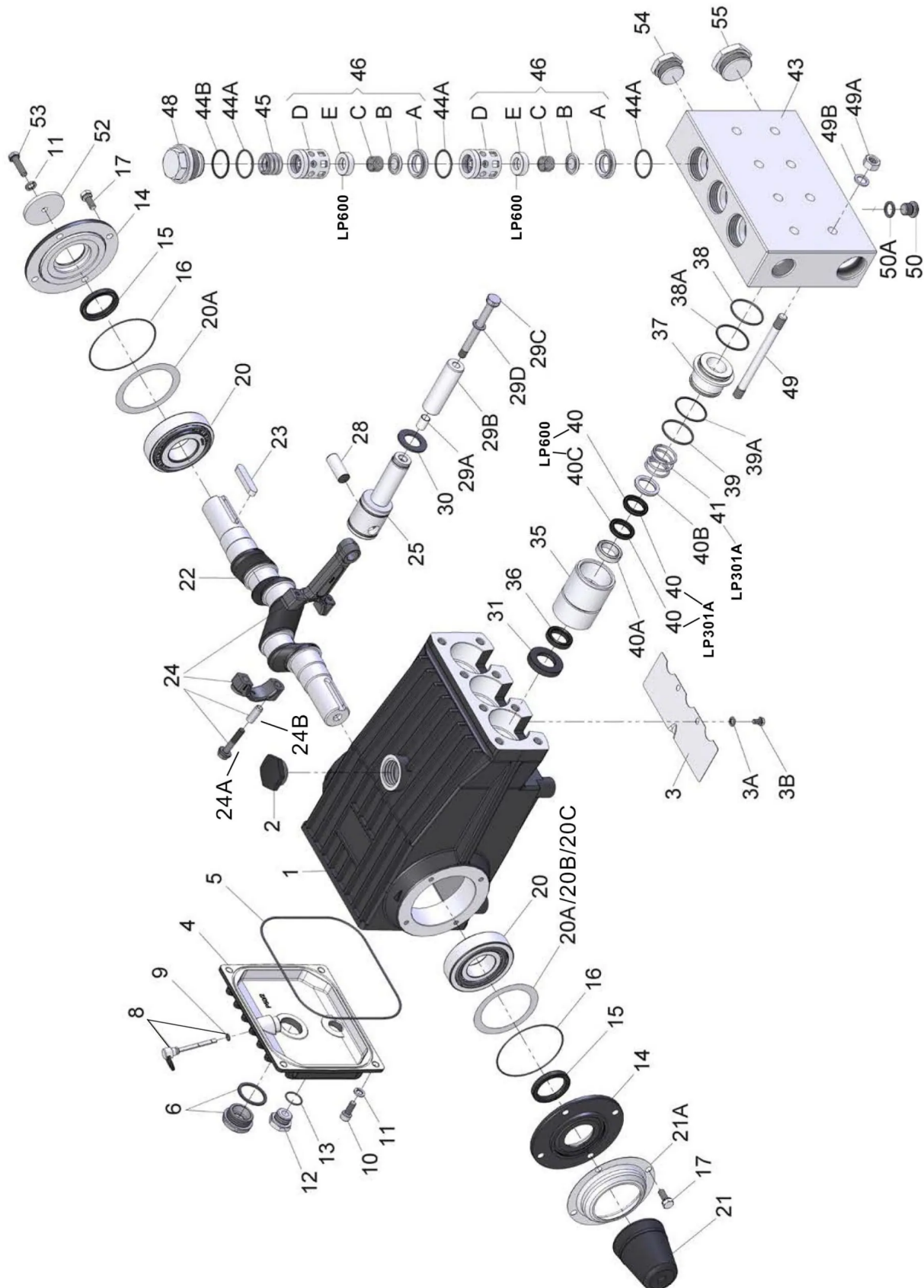


Soldier Pump Torque Specifications

Item	Part Number	Description	Torque Amount
6	73810208	Oil Sight Glass w/Gasket	29 ft. - lbs
10	01010*	Cylinder Screw	221 in. - lbs
12	71705948	Plug, G1/2"	29 ft. - lbs
17	79833500	Hexagon Screw	221 in. - lbs
24	13340*	Connecting Rod Assembly	22 ft. - lbs
29C	79965127	Tensioning Screw	26 ft. - lbs
48	79837700	Plug	107 ft. - lbs
49A	79837900	Hexagon Nut	59 ft. - lbs

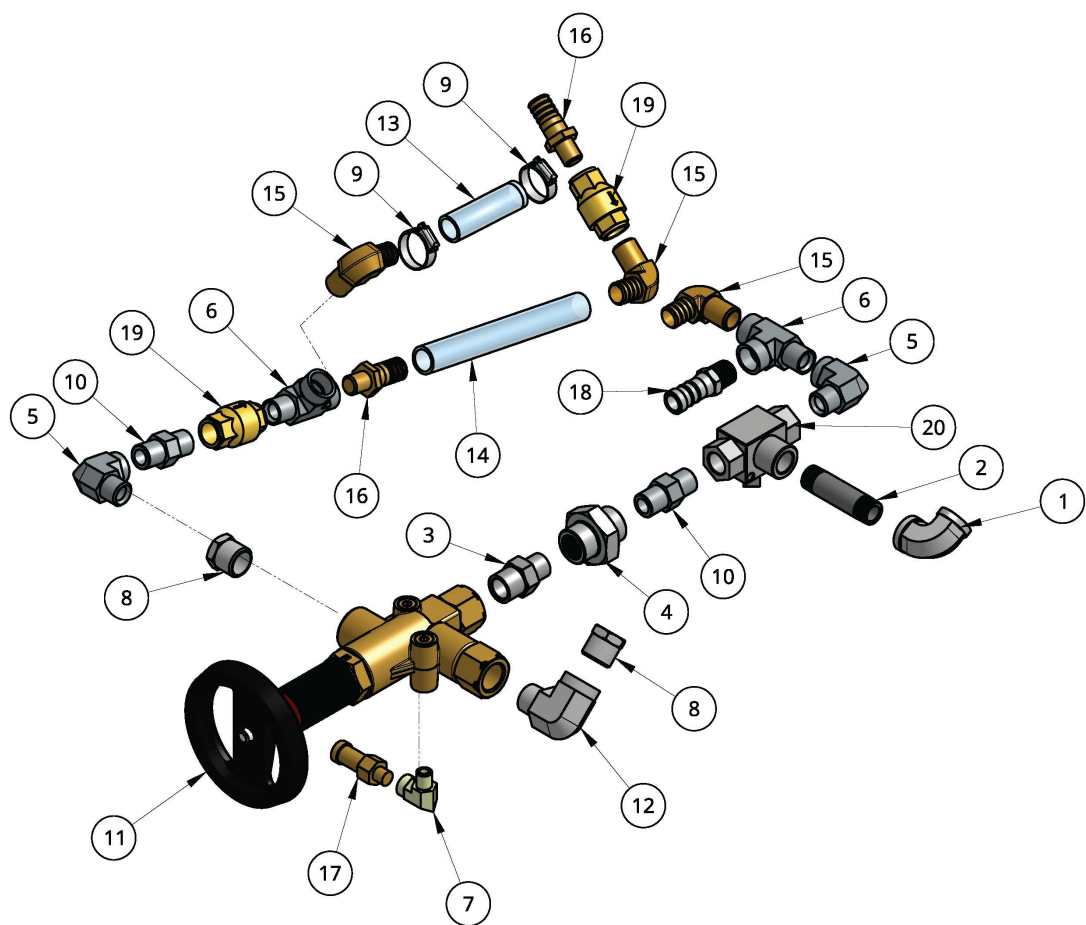
* Giant part numbers

Pump LP 301A Exploded View - 79802500



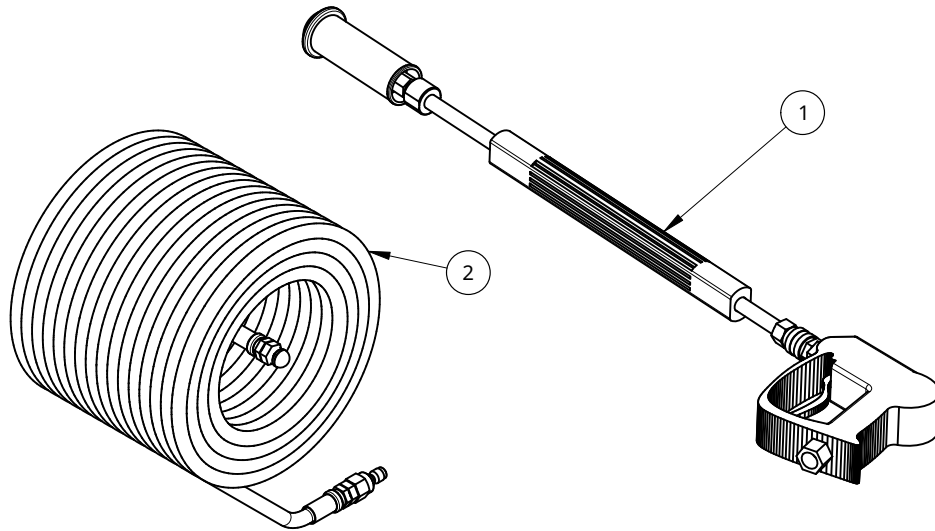


Assy, Unloader Recirc - 75874100



Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
1	72714600	Elbow, 90 Deg Female 1/2 Steel	1	11	79803700	Unloader Giant	1
2	72730300	Nipple, 1/2NPT x 3 SS	1	12	79816200	Elbow, 90 Deg Street 3/4 Steel	1
3	73811700	Nipple, Reducer 3/4 x 1/2 H.P.	1	13	79904497	Hose, 3/4" Clear	1
4	75874030	Union, 1/2" NPT HP Female	1	14	79904497	Hose, 3/4" Clear	1
5	77705101	Elbow, 90 Deg Street 1/2 Steel	2	15	79959500	3/4" Hosebarb x 1/2"MPT Elb Br	3
6	77711301	Tee, Male Run 1/2" M & F NPT	2	16	79959550	3/4" Hosebarb x 1/2"MPT Str Br	2
7	77724300	Elbow, 90 Deg Street 1/4 Steel	1	17	79974000	Valve, Pop Off	1
8	77742600	Bushing, Reducer 3/4 x 1/2	2	18	79976210	Nipple, 1/2" NPT x 3/4" Barb	1
9	77767600	Clamp, Hose 11/16 - 1-1/4 S.S. Worm Drive	2	19	79976216	Check Valve, 1/2 NPT Brass	2
10	77770800	Nipple, Hex 1/2" x 1/2"	2	20	79976220	Valve, 3-Way L Port 1/2" FNPT	1

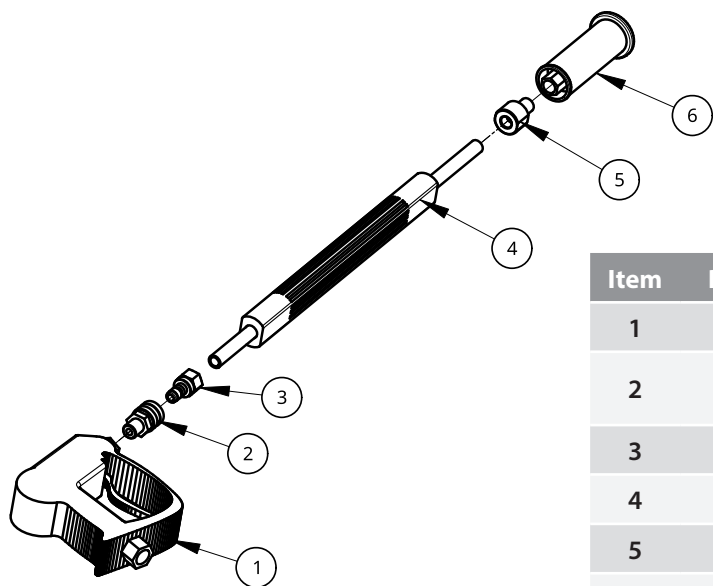
Wash Down Accessory Package - 73817300



Item	Part Number	Description	Qty.
1	77799800	Handgun Lance V-Nozzle Assy 3/8" NPT	1
2	77799825	Hose Assy, Wash Down Kit	1



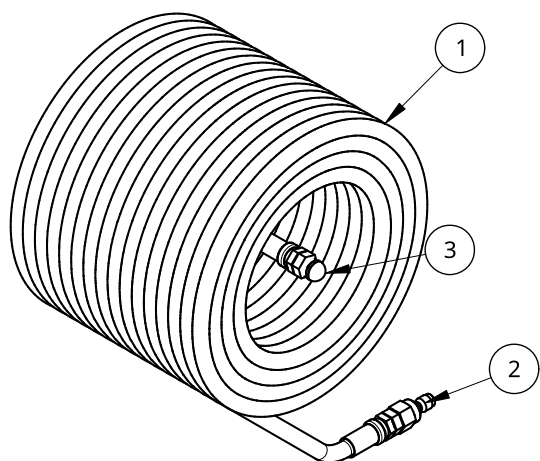
HandGun Lance V-Nozzle Assembly - 77799800



Item	Part Number	Description	Qty.
1	77720100	Gun, Hand 21250B	1
2	77721300	Coupler, Quick Gun, 1/4"NPT Male Brass Rated at 5200 PSI	1
3	77721400	Coupler, Quick Gun Plug Brass 5200 PSI	1
4	553006-01	Lance, Insulated Grip, 18"	1
5	79874400	Fitting, Want Anti-Kickback	1
6	71126110	Nozzle, Variable - #08 .072" Silver	1

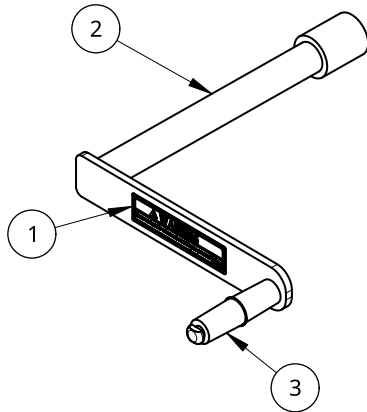


Hose Assembly Wash Down Kit - 77799825



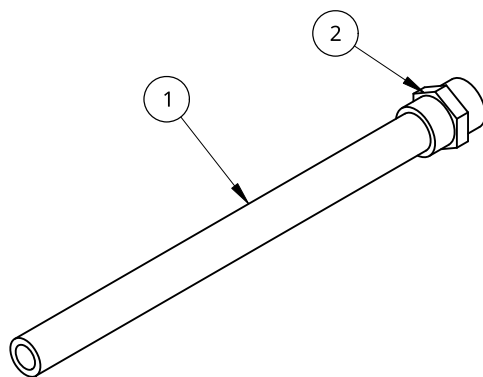
Item	Part Number	Description	Qty.
1	77719501	Hose, 1/4" x 75'	1
2	77721400	Coupler, Quick Gun Plug Brass 5200 PSI	1
3	77815800	Nozzle, 1/4" Domed (6)-Closed	1

Hand Crank, HP Reel - 79827300



Item	Part Number	Description	Qty.
1	77763500	Decal, Crank	1
2	79827400	Weldment, Hand Crank	1
3	79827800	Plastic Handle w/Bolt & Nut	1

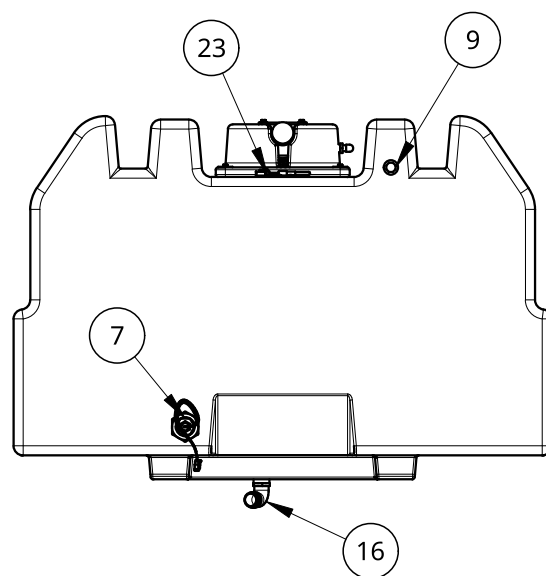
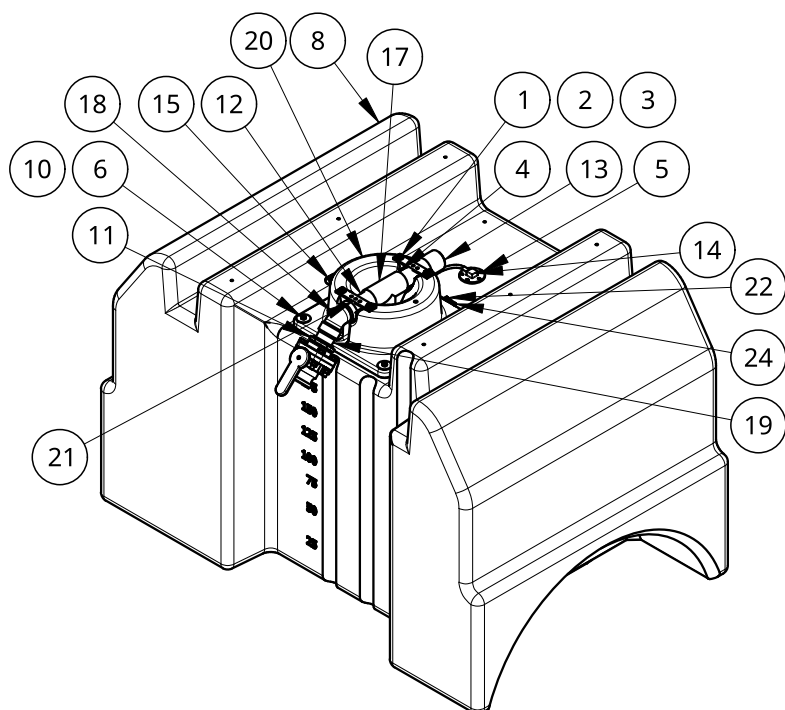
Assembly, 3/8" Anti-Turn Around - 75866500



Item	Part Number	Description	Qty.
1	75866510	Nipple, 3/8" x 9" Long	1
2	73818400	Coupler, Female 3/8 Hose	1



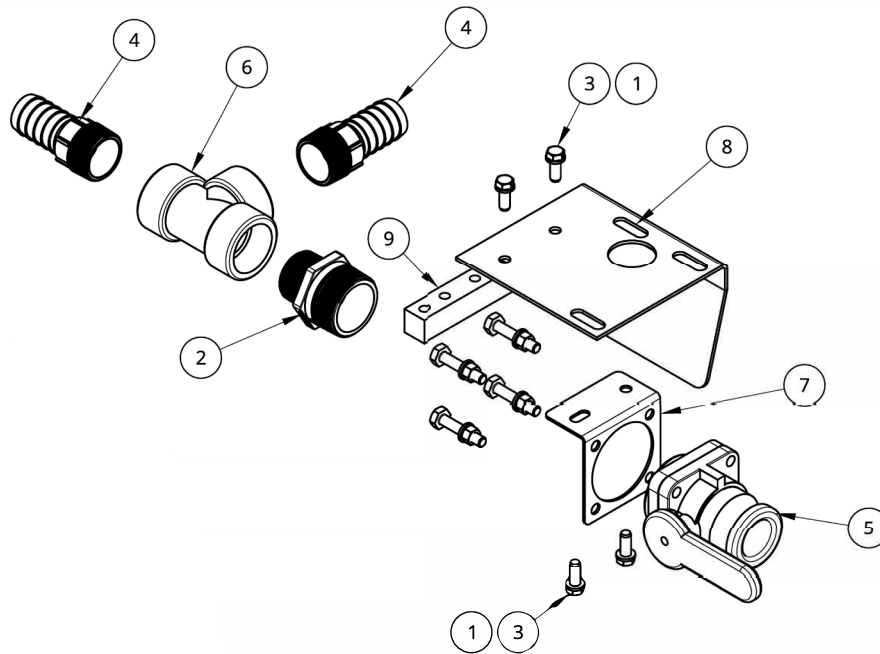
Assy, 200 Gal Watertank - 75841605



Item	Part Number	Description	Qty.
1	00113700	Screw, Hex Hd Cap 1/4-20 x 3/4	4
2	00165400	Washer, Lock-Split Medium 1/4	8
3	02825100	Washer, Flat 1/4	4
4	02865500	2 x 4 1/4 x 1/8 Black Corrugated Rubber mating	2
5	04723100	Screw, Mach Pn Ph 10-32 x 5/8	5
6	521012-04	Screw, Hex Hd 1/4-20x1 1/2	4
7	73827600	Bushing, Reducer (Modified)	1
8	75840900	Watertank, 758 200 Gal w/Fend	1
9	75841625	Plug, 1/2" NPT Male	1
10	75852050	1/4 x 1.5 Fend Wash 18-8 SS	4
11	75853630	2"MPT x 1-1/2" FPT Reducer Bush	1
12	75867410	Pipe, 1-1/2" x 4.0" - SCH 40	2
13	75867420	Cap, 1-1/2" SCH 40 PVC	1
14	75869100	Sender, 30" Water	1
15	79843900	Elbow, 1/2" NPT x 3/4" Barb	1

Item	Part Number	Description	Qty.
16	79871800	Elbow, 1-1/2" Hose x 1-1/4" NPT 90D	1
17	79921340	Tee 1-1/2" SCH 40 PVC	1
18	79921370	Elbow, 1-1/2" 45Deg SCH 40 PVC	1
19	79921380	Nipple, 1-1/2" PVC/NPT SCH80	1
20	79921700	Baffle, Insert (2008)	1
21	79921710	Clamp, Tank Fill Pipe	2
22	79948250	Plug, 2Pos Deutsch	1
23	79948251	Female Socket, 16-20 Deutsch	2
24	79948252	Wedge, Plug 2Pos Deutsch	1

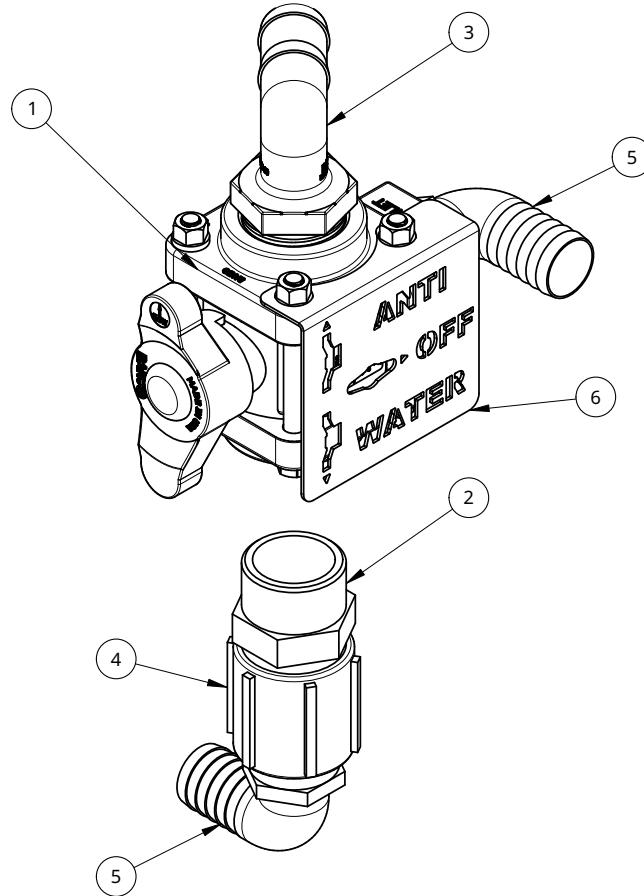
Assy, Water Tank Drain - 75874350



Item	Part Number	Description	Qty.
1	00165800S	Washer, Lock-Split Medium 3/8	4
2	75874160	Nipple Reducer, 2" x 1-1/2 NPT	1
3	77738100	Screw, Cap Hex Hd 3/8-16 x 1"	4
4	79812100	Barb, Hose 1-1/2"MPT x 1-1/2" Po	2
5	79842800	Ball Valve 2" w/Quick Coupler and 2" Female NPT	1
6	79871900	Tee, 1-1/2 FNPT Polypro	1
7	79935100	Plate, Ball Valve MNT Bracket	1
8	79950400	Plate, Hydrant Fill Mount	1
9	79950420	Spacer, Hydrant Fill	1

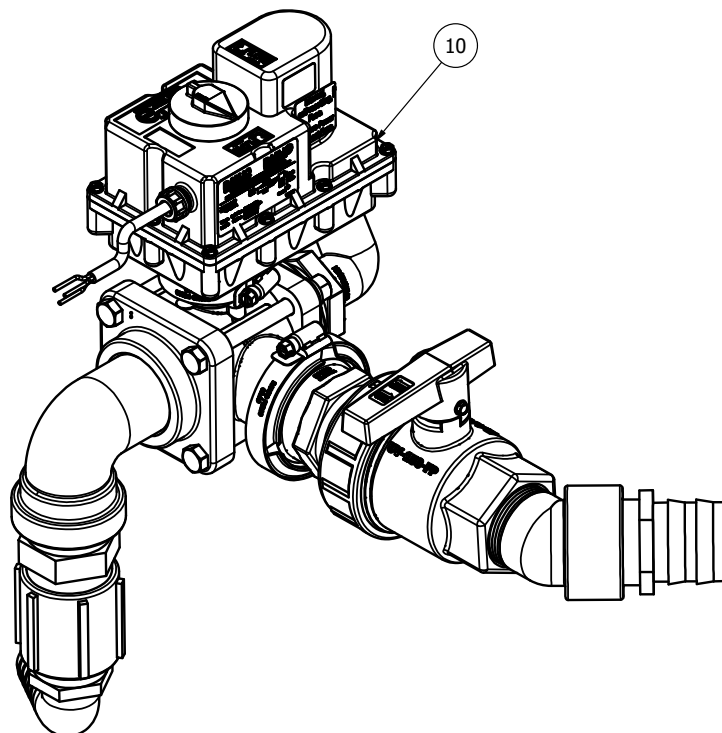
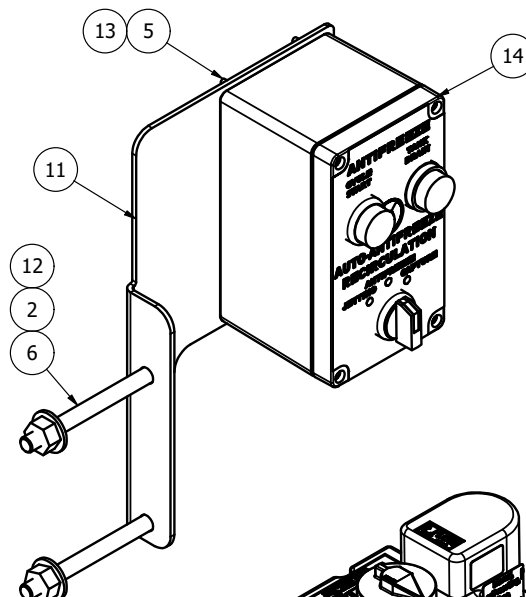
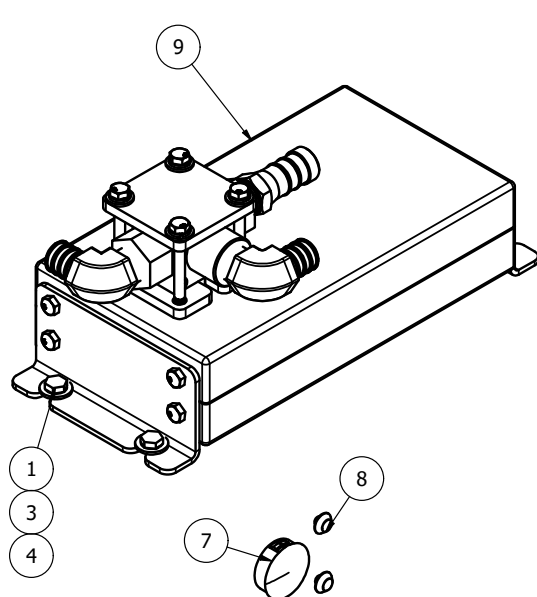


Antifreeze Tank Assembly Kit - 75847150



Item	Part Number	Description	Qty.
1	79976121	Valve, 3-Way 1-1/2" Bottomload	1
2	79811800	Nipple 1-1/2" x 1-1/2" MPT Polyp	1
3	79976150	Elbow, 1-1/2 MNPT x 1-1/4	1
4	79968000	1-1/2 Coupling	1
5	79821200	Elbow, 1-1/2 MPT x 1-1/2 Hose Barb	2
6	79976337	Plate Decal 3 Way Tank Select (Elite)	1

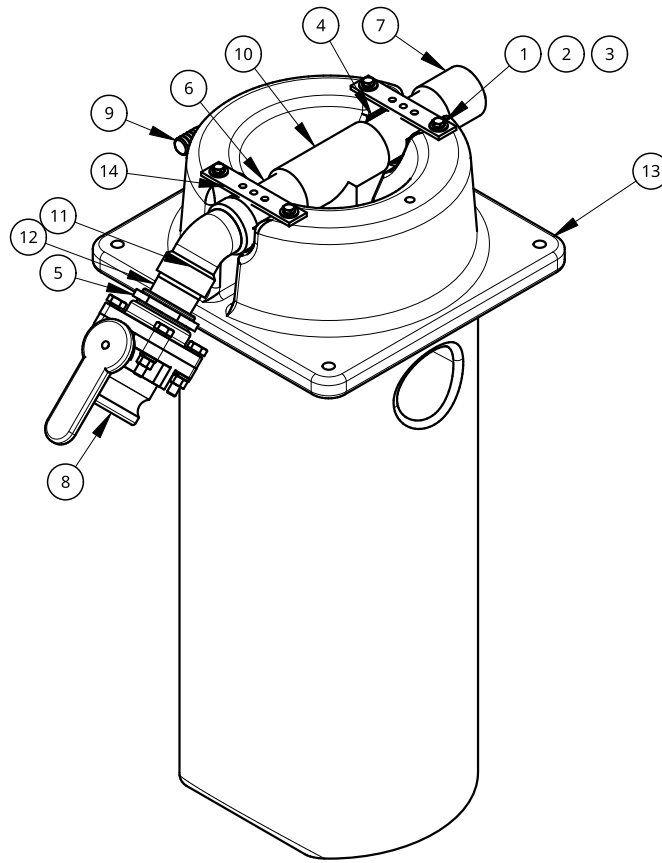
Auto Antifreeze Assy - 75876005



Item	Part Number	Description	Qty.
1	00113500	Screw, Hex Hd Cap 1/4-20 x 1/2	4
2	00162700	Washer, Flat 3/8	4
3	00165400	Kantlink Lockwasher 1/4	4
4	02825100	Washer, Flat 1/4	4
5	61026000	Screw, 6-32 x 1/2 Pan Hd Phil	4
6	75853000	Hex Hd Bolt 3/8-16 x 4 Gr8	2
7	75874055	Plug, Panel 1-1/4" ID 1/8" Mat.	1
8	75874056	Plug, Panel 1/4" ID 1/8" Mat.	2
9	75874200	Assy, Recirculation Valve - Auto	1
10	75874250	Assy, Low PSI Valve - Auto	1
11	75874403	Bracket, Auto Antifreeze	1
12	77748000	Nut, Stover Lock 3/8-16 Unc	2
13	77789100-s	Nut, Kep 6-32 Zn Plt	4
14	79976550	Assy, Auto Antifreeze HMI	1

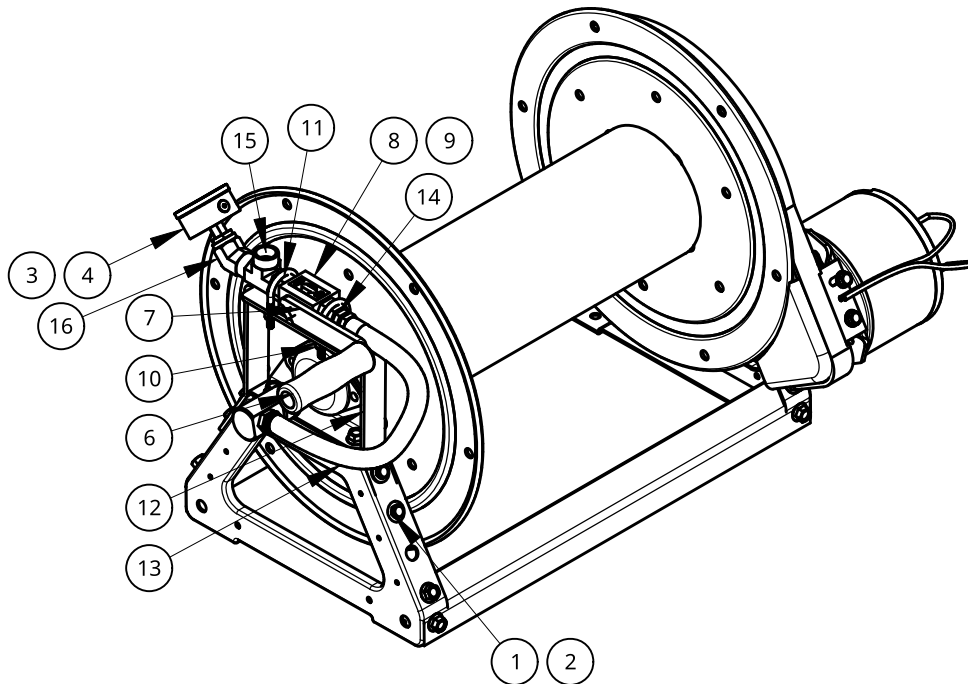


Hydrant Fill Assembly - 75867400



Item	Part Number	Description	Qty.
1	00113700	Screw, Hex Hd Cap 1/4-20 x 3/4	4
2	00165400	Washer, Lock-Split Medium 1/4	4
3	02825100	Washer, Flat 1/4	4
4	02865500	2 x 4 1/4 x 1/8 Black Corrugated Rubber Mating	2
5	75853630	2" MPT x 1-1/2" FPT Reducer Bush	1
6	75867410	Pipe, 1/2" x 4.0" - SCH 40	2
7	75867420	Cap, 1-1/2" SCH 40 PVC	1
8	79842800	Ball Valve 2" w/Quick Coupler and 2" Female NPT	1
9	79843900	Elbow, 1/2" NPT x 3/4" Barb	1
10	79921340	Tee, 1-1/2" 45Deg SCH 40 PVC	1
11	79921370	Elbow, 1-1/2" 45Deg SCH 40 PVC	1
12	79921380	Nipple, 1-1/2" PVC/NPT SCH80	1
13	79921700	Baffle, Insert (2008)	1
14	79921710	Clamp, Tank Fill Pipe	2

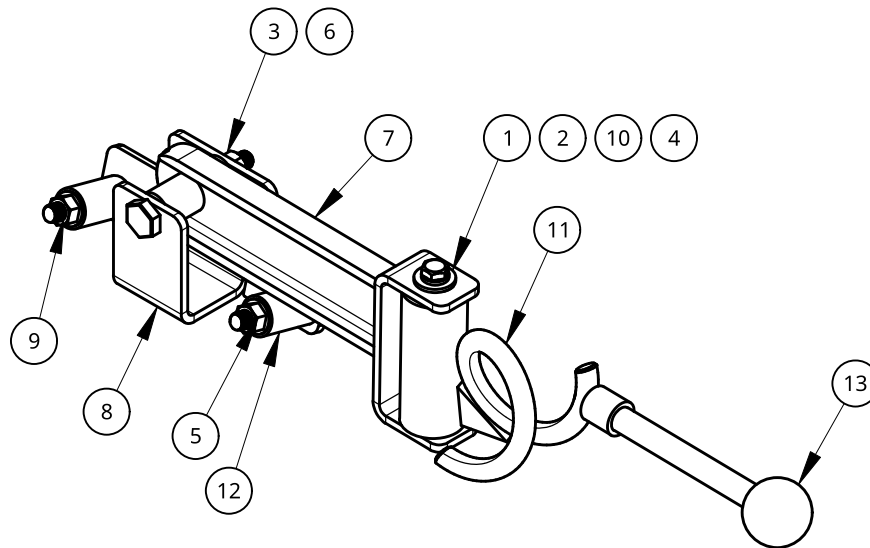
High Pressure Reel Assembly - 75870000



Item	Part Number	Description	Qty.
1	00115100	Screw, Cap Hex Hd 5/16-18 x 1 Zinc Pltd	4
2	00162600	Washer, Flat 5/16" USS Zinc	4
3	542104-05	Bushing, Red 1/2M x 1/4F Stl	1
4	544000-01	Gauge, 5000 PSI 1/4 NPT	1
5	585427-01	Decal, Warning H.P. Jet	1
6	71102500	Grip, Econofoam Black	1
7	73816100	Handle, High Pressure	1
8	73816200	Valve, Ball 1/2" Zinc Pltd	1
9	73817800	Decal, "On" "Off"	1
10	73821200	Nut, Nylok Lock 1/4-20	4
11	75828630	U-Bolt, 1-1/4" ID x 1/4-20	2
12	75870150	Bracket, Water On Off	1
13	75870160	Hose, 1/2 MNPT x 16"	1
14	75870160	Hose, 1/2 MNPT x 16"	1
15	77711301	Tee, Male Run 1/2" M & F NPT	1
16	77763900	Elbow, 45 Deg Street 1/2 Steel	1
17	79838800	Nut, Flanged 5/16-18	4

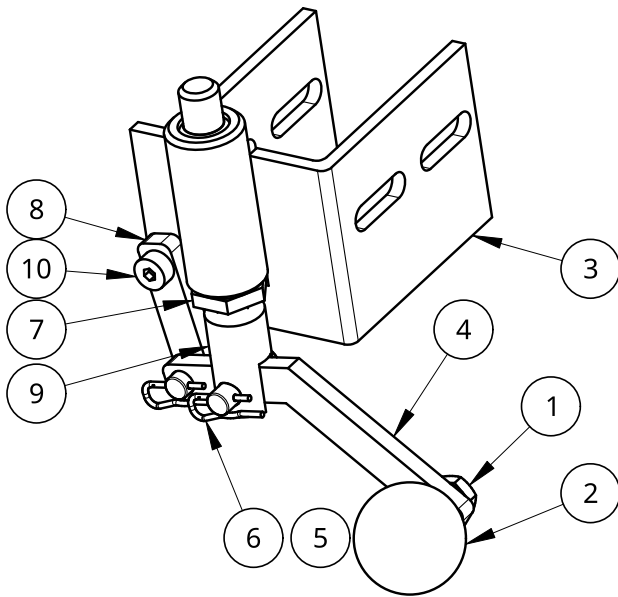


Hose Guide Assembly - 75871500



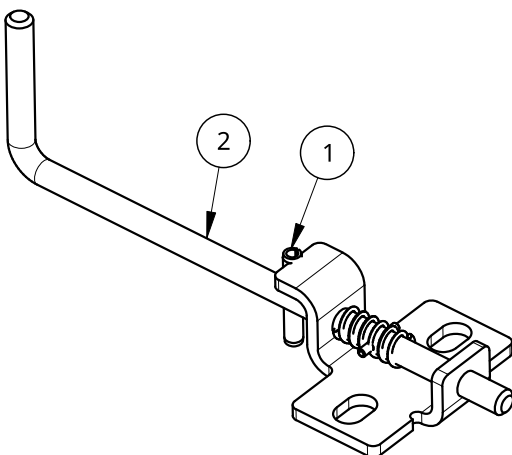
Item	Part Number	Description	Qty.
1	00162600	Washer, Flat 5/16" USS Zinc	2
2	02939000	Screw, Cap Hex Hd 5/16-18 x 3/4	2
3	522132-00	Nut, Nylock 3/8-16	1
4	75845090	Shaft, SS .75 OD	1
5	75852060	Nut, 3/8-16 Flanged Zinc Pltd	2
6	75871100	Screw, Shoulder 1/2 D x 2-1/4	1
7	75871200	Weldment, Hose Guide 2010	1
8	75871400	Hose Guide Bracket	1
9	75871430	Screw, Flt HD 3/8-16 x 2-1/4	2
10	77743400	Washer, Lock-Split Medium 5/16"	2
11	79911650	Assy, Zn Coiled Hose Guide	1
12	79932110	Roller, Hose Support	2
13	79962750	Handle, M12 x 5" SS Ball	1

Index Latch Assembly - 75872000



Item	Part Number	Description	Qty.
1	02939000	Screw, Cap Hex Hd 5/16-18 x 3/4	1
2	75852020	Black Knob, 1-3/8" OD Threaded	1
3	75872110	Plate, Spring Pin Mounting Bracket	1
4	75872150	Lever Arm, Index Latch Handle	1
5	75872250-Cotter	Cotter, 5/16 x 1" L	1
6	75872250-Pin	Pin, 5/16 x 1" L	1
7	79957012	Spring Loaded Pin Lock	1
8	79957020	Plate, Pivot Lever Arm	1
9	79957040	Coupler, Lever Arm - Spring Pin	1
10	79957050	Screw, Shoulder 5/16 x 1/4	1

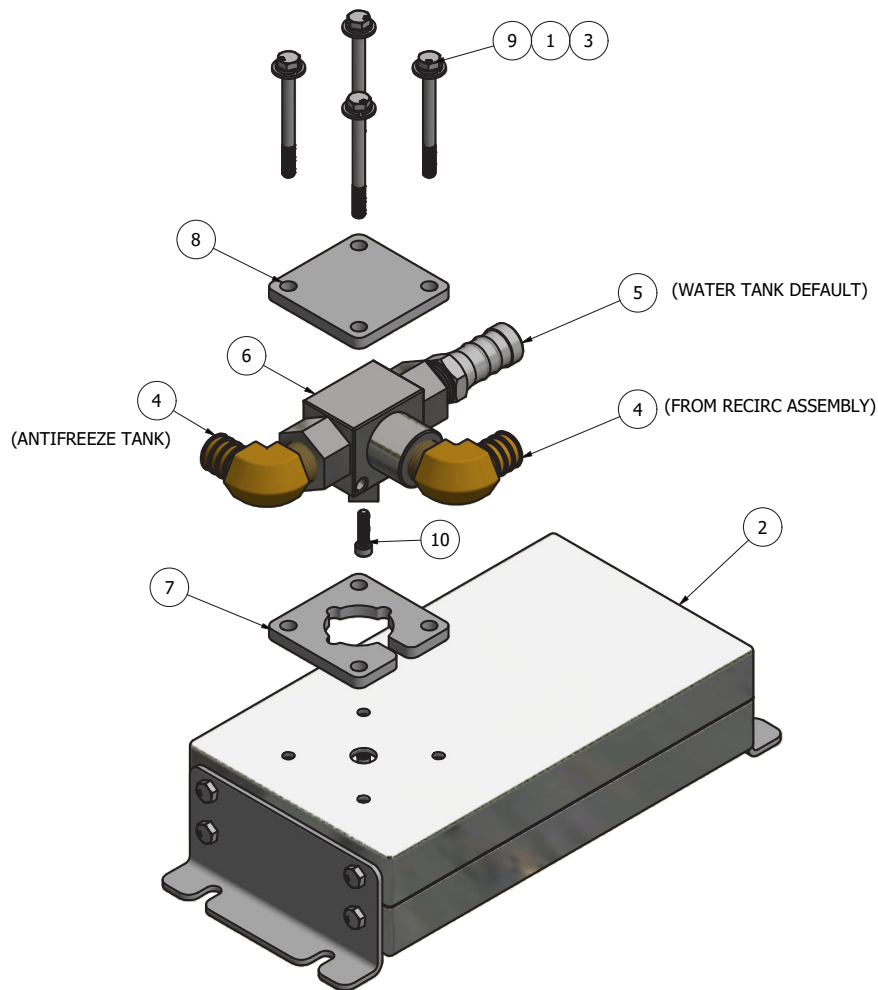
Soldier Reel Lock - 75879190



Item	Part Number	Description	Qty.
1	44213000	Roll Pin 0.25 x 1.50	1
2	75879195	Soldier Handle	1

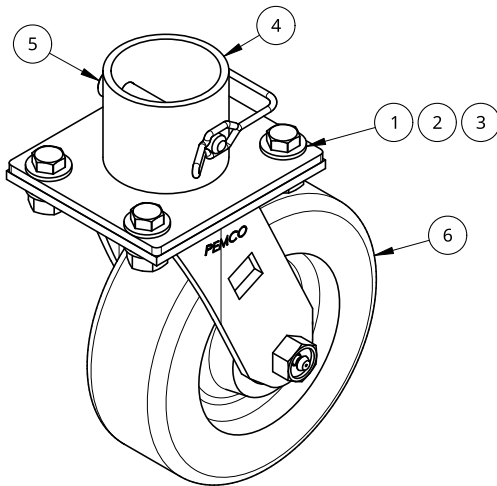


Recirc Valve Auto Elite Assy - 75874200



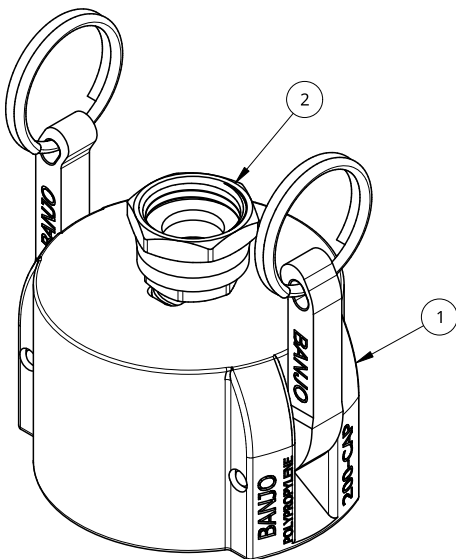
Item	Part Number	Description	Qty.
1	00165400	Kantlink Lockwasher 1/4	4
2	75874320	Assembly, Rioned Actuator Side Mount	1
3	79908200	Washer, Flat 1/4 SAE	4
4	79959500	3/4" Hose Barb x 1/2" MNPT Elbow	2
5	79976210	Nipple, 1/2" NPT x 3/4" Barb	1
6	79976220	Valve, 3-Way L Port 1/2" FNPT	1
7	79976230	Valve, Spacer Inner	1
8	79976235	Valve, Spacer Outer	1
9	79976241	Screw, M6 x 65 Hex Head	4
10	79976242	Screw, 10-32 x 3/4 Socket Head	1

Jack Stand Caster Assy - 79960530



Item	Part Number	Description	Qty.
1	00162600	Washer, Flat 5/16" USS Zinc	8
2	77738100	Screw, Cap Hex Hd 3/8-16 x 1"	4
3	77748000	Nut, Stover Lock 3/8-16 UNC	4
4	79960510	Adapter, Jack Stand Caster	1
5	79960515	Pin, Locking 3/8" Dia - 2-1/2"	1
6	79960520	Caster, 6 x 2 Swivel	1

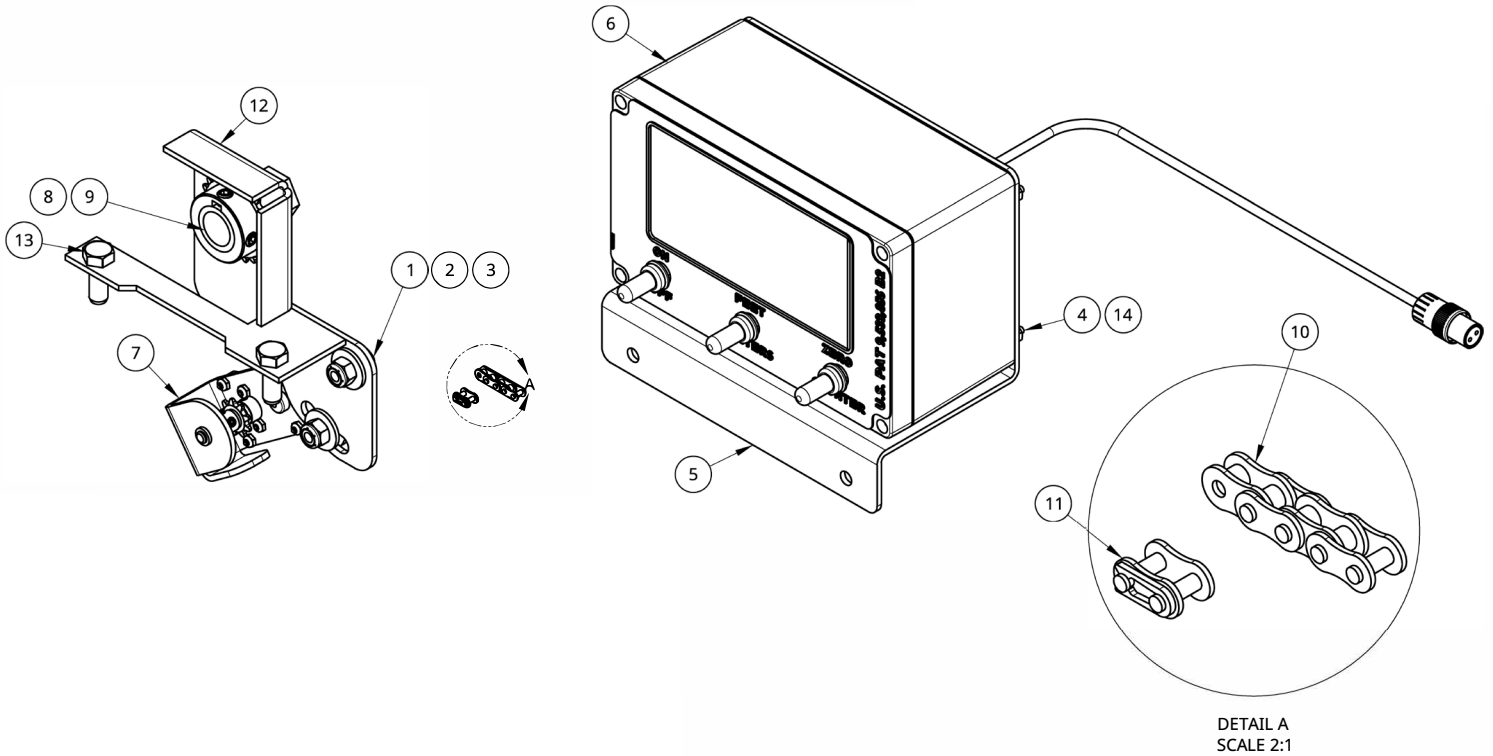
Garden Hose x 2" Cam Lock Assembly - 75841650



Item	Part Number	Description	Qty.
1	75841655	Cap, 2" Cam Lock	1
2	75867030	Adapter, 3/4" GHT Swl - 1/2 NPT	1

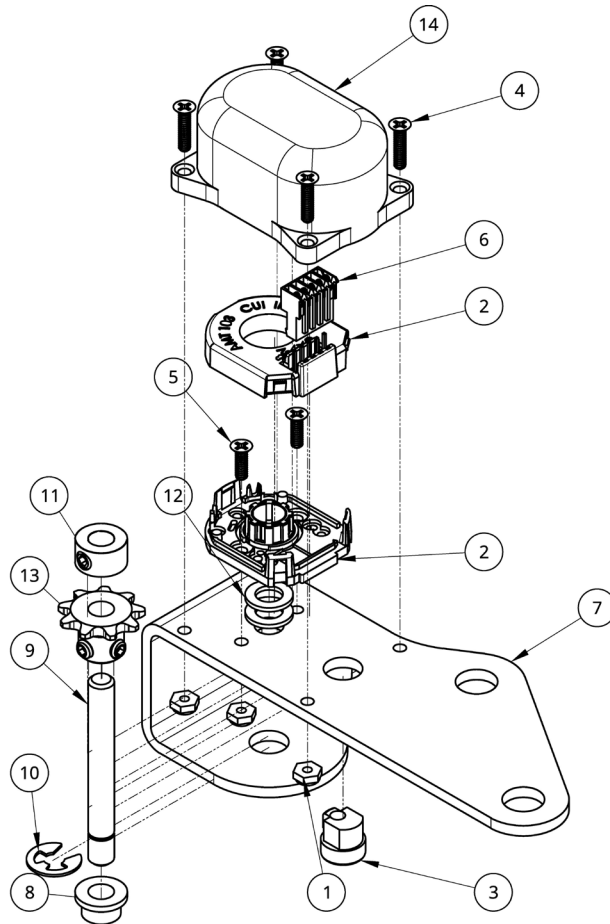


Jetter Counter Elite - 75875005



Item	Part Number	Description	Qty.
1	00114800	Screw, Hex Hd Cap 5/16-18 x 5/8 Zinc Pltd	2
2	00162600	Washer, Flat 5/16" USS Zinc	2
3	522122-00	Nut, Nylock 5/16-18	2
4	61026000	Screw, 6-32 x 1/2 Pan Hd Phil	4
5	75874401	Bracket, Elite Soldier Counter	1
6	75875300	LED Enclosure Assembly - Hose Counter	1
7	75879100	Assembly, Counter Carriage	1
8	75879150	Sprocket, 1 Bore 23 Tooth	1
9	75879170	Hand Crank Counter Nut	1
10	75879180	Roller Chain, #25	1
11	75879185	Master Link Roller Chain #25	1
12	75879230	Weldment, Soldier Swing Counter	1
13	77738100	Screw, Cap Hex Hd 3/8-16 x 1"	2
14	77789100	Nut, Kep 6-32 Zn Plt	4

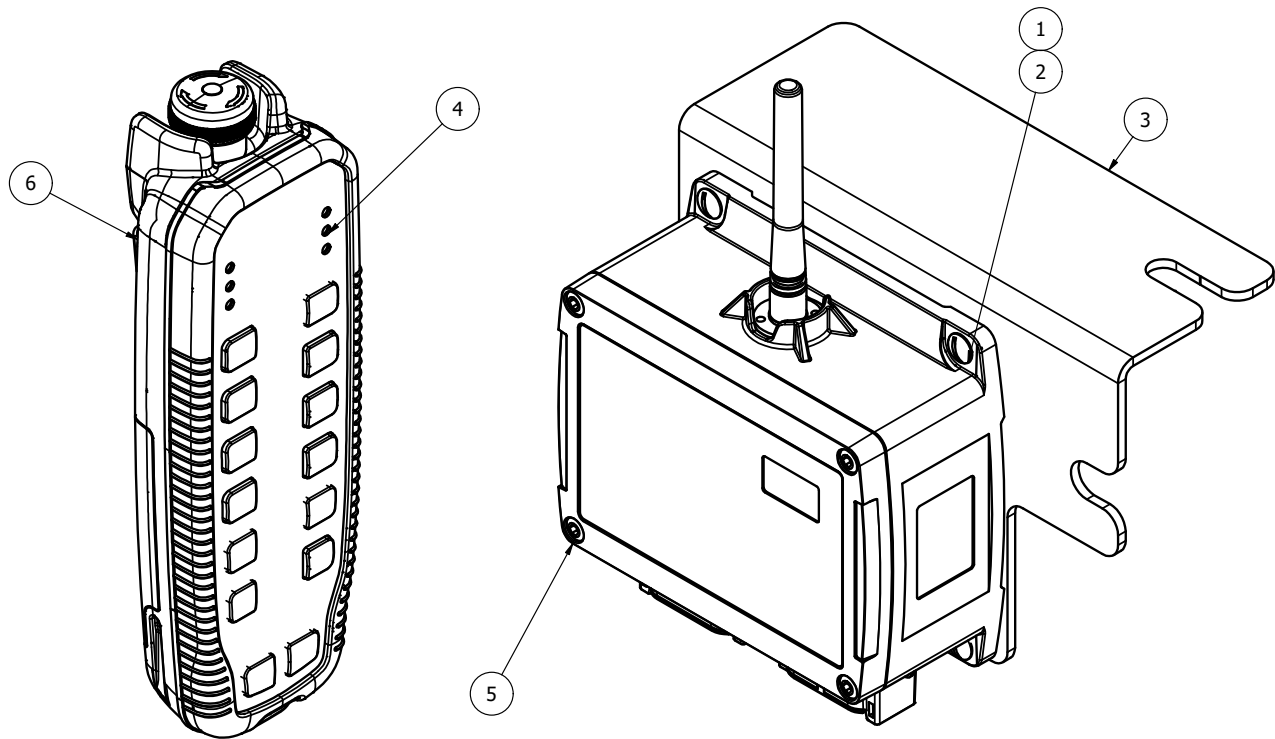
Assy, Counter Carriage - 75879100



Item	Part Number	Description	Qty.
1	62018200	Nut, Hex Nylock 4-40	6
2	63039100	Encoder, Capacitive	1
3	63050810	Strain Relief, Snap-in 3/8 MNT - .19" Grip	1
4	75878500	Screw, 4-40 x 1/2 FLT HD Undr	4
5	75878550	Screw, 4-40 x 3/8 FLT HD Undr	2
6	75878900	Harness, Thru Encoder Jet	1
7	75879110	Counter Carriage	1
8	75879115	Flanged Bushing, 1/4" Shaft x 3/8"	1
9	75879120	Rod, 1/4" OD x 2-1/8" with SLT	1
10	75879125	E-Clip, 1/4" Shaft Zinc	1
11	75879130	Collar, .25 Lock	1
12	75879135	Washer, .25 x .46 x .03	2
13	75879140	Sprocket, .25 Bore 9 Tooth	1
14	75879160	Cover, Counter Carriage	1



Assy, Remote Elite - 75880005



Item	Part Number	Description	Qty.
1	03850100	Nut, Hex Kep 10-32	4
2	04723100	Machine Screw 10-32 x 5/8 Rd	4
3	75874402	Bracket, Remote	1
4	75874425	Decal, Elite Remote Handheld	1
5	79978001	Receiver, G5 Cu M19	1
6	79978010	Remote, Handheld, G5-Rocket Flex	1

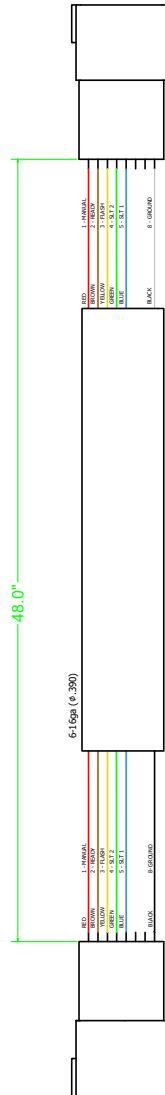
Remote Harness - 75874414



AUTO ANTIFREEZE CONNECTOR
8-PIN DEUTSCH RECEPTACLE

BLUE - 5
- 6
- 7
BLACK - 8

4 - GREEN
3 - YELLOW
2 - BROWN
1 - RED



AUTO ANTIFREEZE CONNECTOR
8-PIN DEUTSCH PLUG

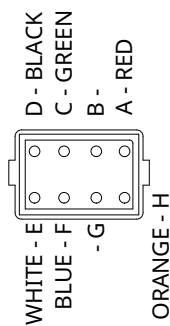
BLUE - 5
- 6
- 7
BLACK - 8

4 - GREEN
3 - YELLOW
2 - BROWN
1 - RED

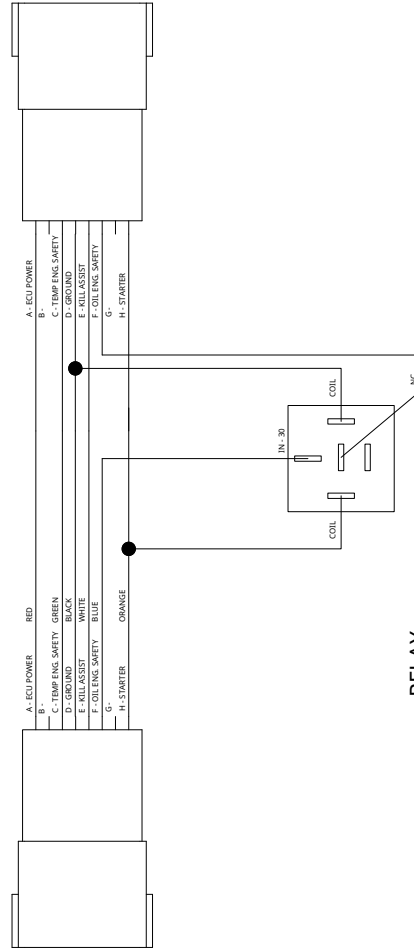


Inline Starter Relay Remote Harness - 75874416

HARNESS CONNECTOR
8-PIN DELPHI RECEPTICLE
METRIPACK MALE 150 SERIES

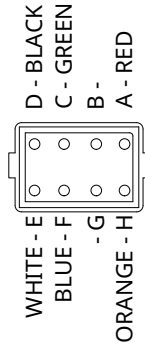


IN LINE RELAY ADAPTER
COIL VOLTAGE - 12VDC

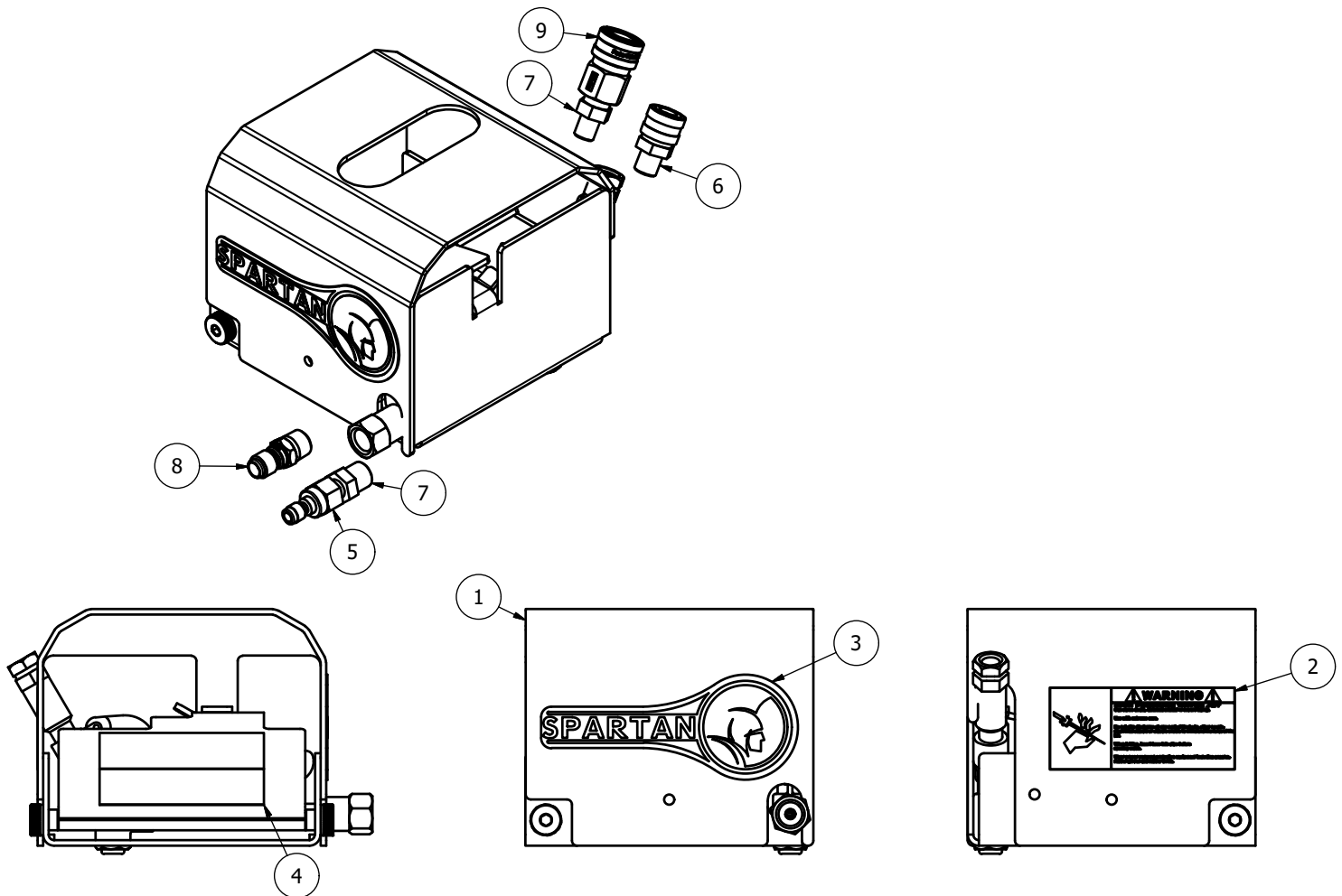


RELAY
HELLA 7794327 SKIRTED RELAY
MINI RELAY CONNECTOR 75610

ENGINE CONNECTOR
8-PIN DELPHI PLUG
METRIPACK FEMALE 150 SERIES



Assy, Spartan Foot Pedal - 77773920



Item	Part Number	Description	Qty.
1	77773918	Assembly, Foot Valve	1
2	585427-01	Decal, Warning HP Water Jet	1
3	71706500	Decal, Spartan	1
4	77772400	Tape, Non Skid	1
5	77721400	Coupler, Quick Gun Plug	1
6	77721300	Coupler, Quick Gun, 1/4" NPT Male	1
7	542107-04	Nipple, Red 3/8 x 1/4 Stl	2
8	72708600	Coupler, 3/8" Quick Male MNPT	1
9	542300-05	Coupler, 3/8" Quick Female FNPT	1



Elite Soldier Accessories

Part Number	Description
02893400	1-1/2 Inch Flusher
02893500	2 Inch Flusher
02893600	4 Inch Flusher
02893700	6 Inch Flusher
02895300	3 Inch Flusher
44262305	Professional S & D Handbook
71109900	Tip Cleaner Set
71701700	Hose S.S. Trap 50'
71701800	Hose S.S. Trap 75'
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
75880005	Assy, Remote Elite Soldier
61023600	Beacon Assembly
73816800	Mobile Hose Reel
79925325**	Replacement Ignition Key for Code 600-799 (Not 601)
79925326**	Replacement Ignition Key for Code 601 only
73817300	Wash Down Accessory Kit Includes *Items
*77799800	Hand gun Lance Vari-Nozzle Assembly
*77721400	Coupler, Quick Gun, Male
*77719500	1/4" x 75 ft. Hose
*77815800	1/4" Nozzle Domed (6)
*73816500	Swivel Adapter, 3/8 Male to 3/8 Female

Part Number	Description
73820500	Grenade Nozzle
74022600	Q-Nozzle
75700300	Rotary Nozzle 2-3000 PSI
75800850	Nozzle, Closed
75800950	Nozzle, Open
79990030	Warthog Nozzle
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
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
77773920	Hydro-Jet Foot Pedal (use with trap hose)

**Code number is found on the face of the ignition.

Tire Safety Information



TIRE WARRANTY REGISTRATION

To ensure warranty coverage and receive important safety updates, please register your new trailer or RV tires directly with the tire manufacturer within 30 days of purchase at: <https://www.tredittire.com/guarantees-simplified/>.

To register, provide your name, address, email, the manufacturer (Spartan Tool), the machine model (Elite Soldier), number of tires (2), date of purchase, and the VIN of the unit.

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, free of charge, from the NHTSA website.

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 Elite Soldier'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 Elite Soldier'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 Elite Soldier'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 Elite Soldier must not cause the total weight of the Elite Soldier to exceed the stated GVWR.

 TIRE AND LOADING INFORMATION			
The weight of cargo should never exceed kg. or lbs.			
TIRE	SIZE	COLD TIRE PRESSURE	SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
FRONT			
REAR			
SPARE			

Tire Safety Information

Steps for Determining Correct Load Limit

1. Locate the statement "The weight of cargo should never exceed 771 kg or 1700 lbs" on your tire information placard.
2. This figure equals the available amount of cargo and luggage load capacity.
3. 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 Elite Soldier'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 Elite Soldier 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 Elite Soldier's original tires. To prevent error and maintain safety, it is recommended that all replacement parts be purchased through Spartan Tool LLC.

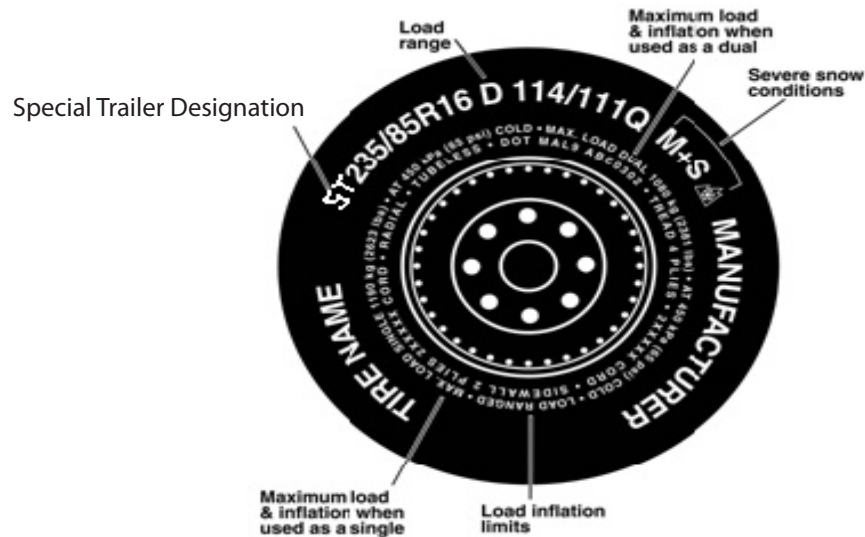
Tire Safety Information

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 secured 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.safecar.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.safecar.gov>.

Spartan Tool LLC
1618 Terminal Road
Niles, MI 49120

Warranty Information



For our terms and conditions, including warranty, please visit <https://spartantool.com/pages/terms-and-conditions>. For warranty assistance, please contact us at (800) 435-3866 or customerservice@spartantool.com.

CONTACT US

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SpartanTool.com

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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CONTACT US

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