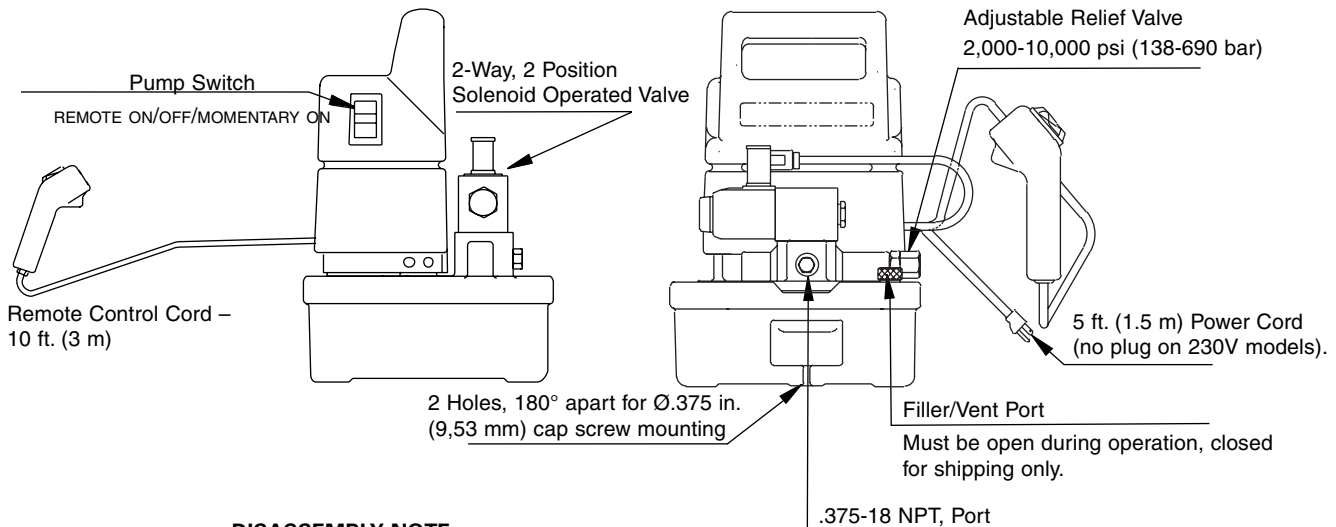


To Protect Your Warranty, Use Only ENERPAC Hydraulic Oil.

Enerpac recommends that all kit components be installed to insure optimum performance of the repaired product.



DISASSEMBLY NOTE:

When removing pump from reservoir, do not destroy the cork gasket that is sealed to the reservoir. Replace the nitrile gasket with a new gasket from the Repair Kit. If the cork gasket is damaged, a new one is also supplied with the pump repair kit. It must be sealed to the reservoir using Loctite #598 Ultra Black Silicone Sealant.

SPECIFICATIONS	PUD1300B	PUD1301B	PUD1300E	PUD1301E
Maximum Pressure	10,000 psi (700 bar)			
Maximum Continuous Pressure	8,500 psi (590 bar)			
Electrical Power Source	15 Amp, 115 VAC, 50/60 Hz grounded 1-phase circuit		230 VAC, 50/60 Hz 1-phase circuit	
Motor Rating	1/2 HP (.37 kW) Universal Motor 9 Amps at 10,000 psi (700 bar) and 12,000 RPM, operates to 60-125 VAC		1/2 HP (.37 kW) Universal Motor 4 Amps at 10,000 psi (700 bar) and 12,000 RPM, operates to 60-125 VAC	
Sound Level	85-89 dBA			
Flow Rate	200 in³/min (3,4 l/min) from 0 psi to 250 psi (0 to 17,2 bar) 20 in³/min (0,34 l/min) from 250 psi to 8,500 psi (17,2 to 590 bar) 18 in³/min (0,31 l/min) from 8,500 psi to 10,000 psi (590 to 700 bar)			
Maximum Operating Oil Temperature	150°F (65°C)			
Reservoir Size	.75 gallon (2,84 liter)	1.0 gallon (3,79 liter)	.75 gallon (2,84 liter)	1.0 gallon (3,79 liter)
Usable Oil Capacity	.50 gallon (1,89 liter)	.88 gallon (3,33 liter)	.50 gallon (1,89 liter)	.88 gallon (3,33 liter)

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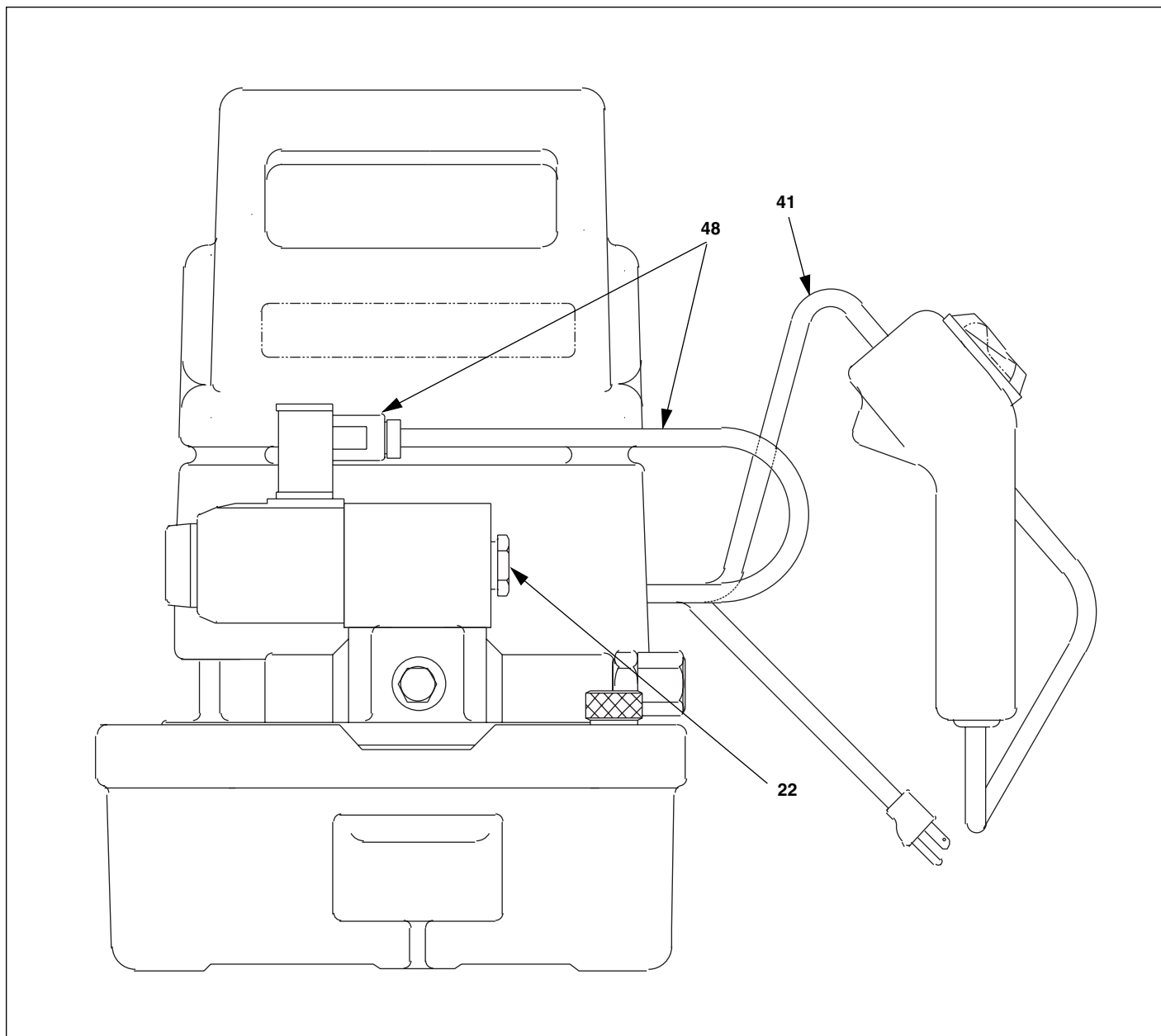


Figure 1 – Complete Pump

Contact Enerpac for replacement nameplate.

Repair Parts List for Figure 1			
Item	Part Number	Qty.	Description
22	VSG2310P	1	115V Poppet Valve Assembly (see Figure 7 for valve assembly)
	VSG3510P	1	220V Poppet Valve Assembly (see Figure 7 for valve assembly)
41	DA9333900	1	Remote Pendant Assembly (see Figure 8 for cable wiring)
48	DA12343900SR	1	Valve Wire Assembly (see Figure 9 for cable wiring)

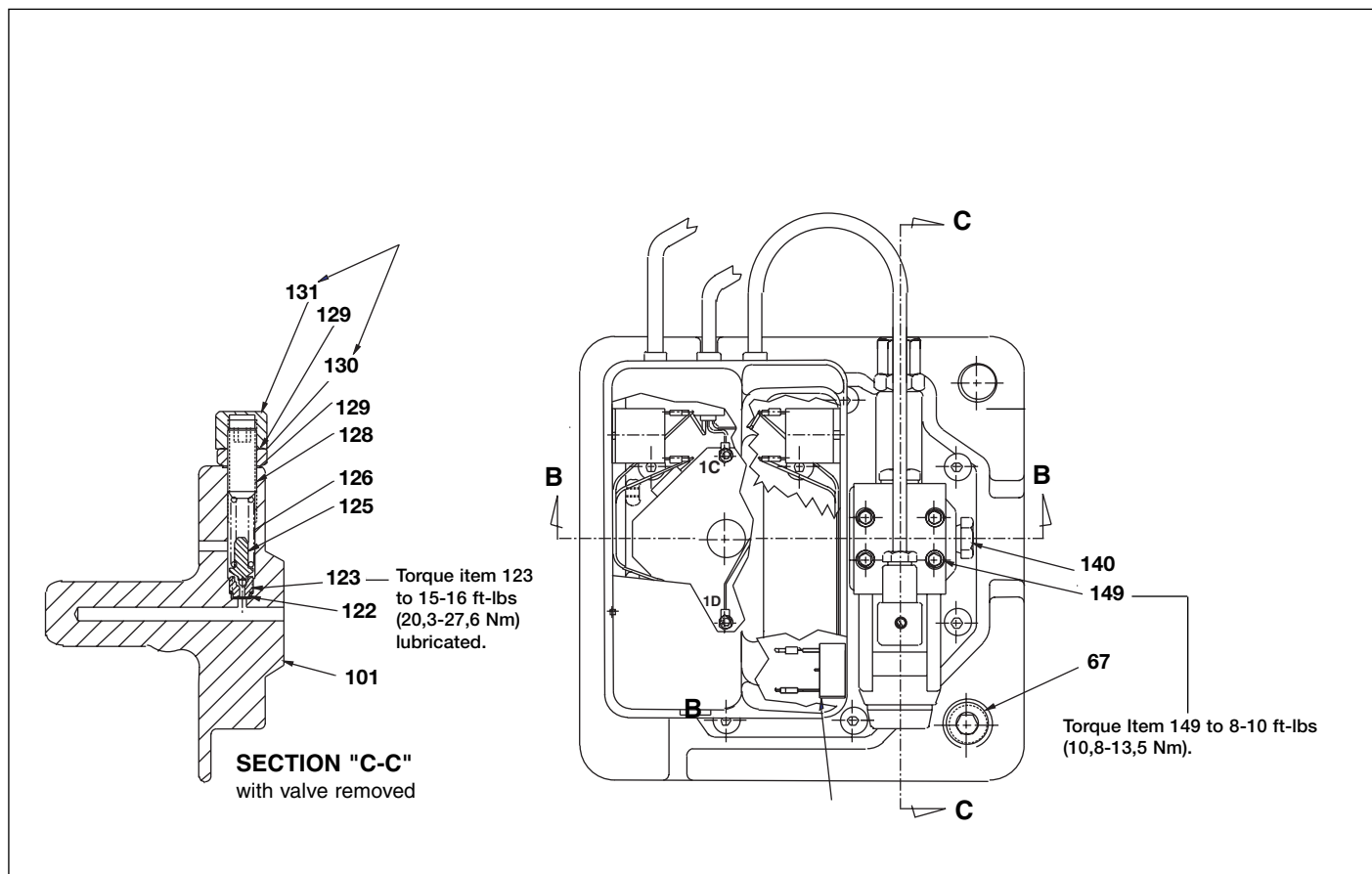


Figure 2 - Top View

Repair Parts List for Figure 2							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
67	A1009245	2	Plug	128	DA252028	1	Adjusting Screw
101	DA12490840SR	1	Pump Manifold	129	★ S1167	2	Gasket
122	★ C846037	1	Gasket	130	CW306055	1	Lock Nut
123	★ DA5771290	1	Seat	131	CW307055	1	Cap Nut
125	DC990900	1	Ball Guide	140	R51245-2	1	Plug
126	★ A109164	1	Spring	149	B1020028	4	Cap Screw
Note: Item 101 (DA12490840SR), includes Item 121 (DA5999900SR) shown on page 6.							
★Items included in and available only as part of Repair Kit PUD1100BK.							

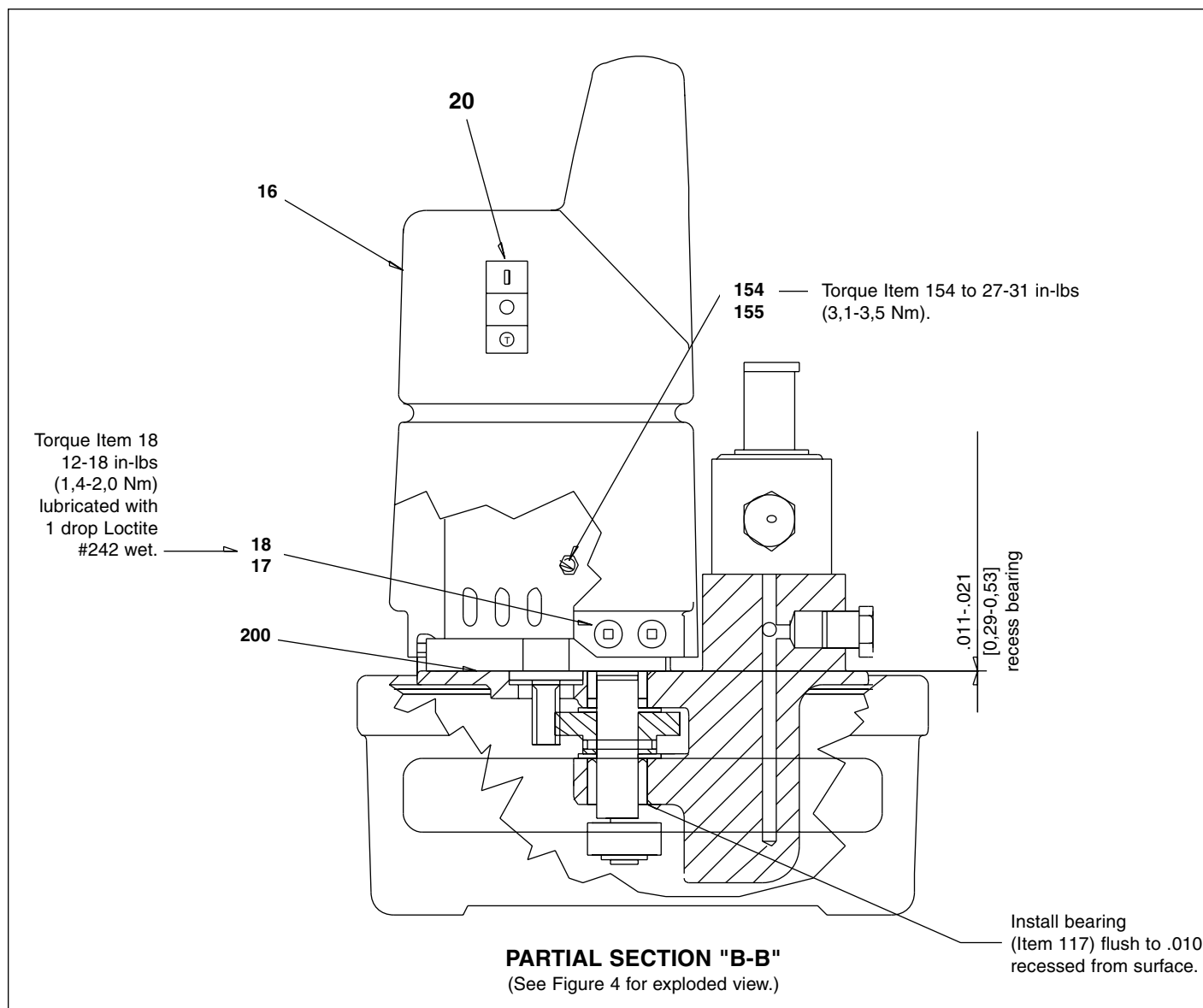


Figure 3 - Side View

Repair Parts List for Figure 3			
Item	Part Number	Qty.	Description
16	DA3763900SR	1	PUD1100/1101B Shroud
	DC411098SR	1	PUD1100/1101E Shroud
17	CW261225	6	Eyelet
18	F866028	6	Machine Screw
20	E1500002	1	Switch
154	CU876028	3	Screw
155	DA3585186	3	Spacer
200	DC1947067	1	Gasket

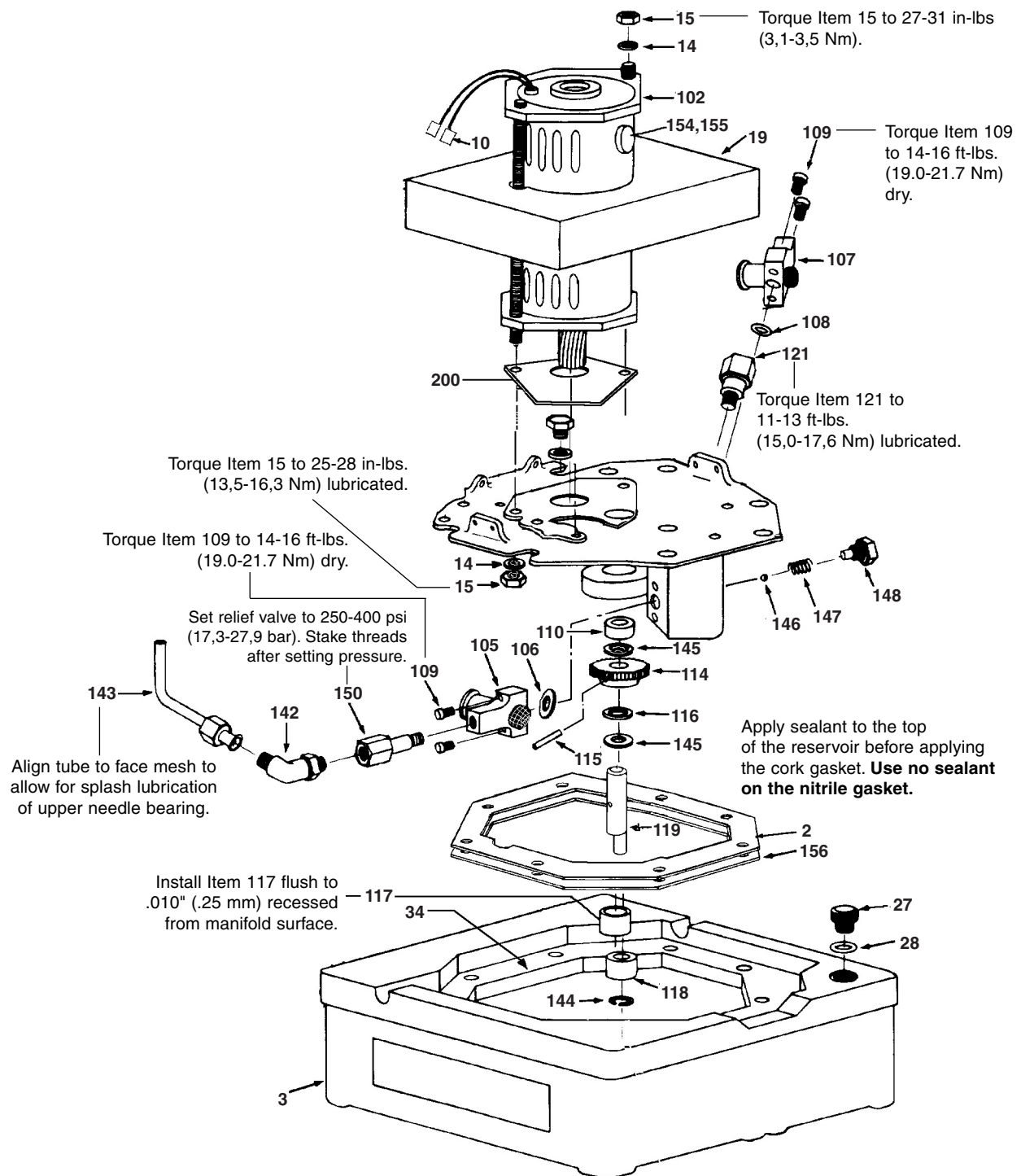


Figure 4 - Pumping Assembly

Repair Parts List for Figure 4			
Item	Part Number	Qty.	Description
1	★DA12088167	1	Gasket (includes 156)
3	DA1910900SR	1	.75 Gallon Reservoir
	DA4780900SR	1	1.0 Gallon Reservoir
10	DA3776006	2	Pin
14	DA15066	4	Lock Washer
15	B1018121	4	Hex Nut
19	CW259298	1	Baffle
27	DA608024	1	Vent Plug
28	★B1906503	1	O-ring
34	CW267885		Loctite #598 Ultra Black Sealant
102	CW179259	1	115V Electric Motor
	DC1415259	1	220V Electric Motor (50 Hz)
105	CW298950SR	1	.53 Piston Block Assembly
106	★B1007503	1	O-ring
107	CW299950SR	1	.24 Piston Block Assembly
108	★B1012803	1	O-ring
109	B1010028X	4	Screw
110	CW252107	1	Bearing
114	CW301228	1	Driven Gear
115	★1097057	1	Spring Pin
116	★CW199107	1	Bearing
117	CW251107	1	Bearing
118	CW302107	1	Bearing
119	CW303104	1	Shaft
121	DA5999900SR	1	Relief Valve
142	DA1011096	1	Elbow
143	DA261268	1	Tube
144	★CW467044	1	Retaining Ring
145	★DA445107	2	Bearing
146	★B1007016	1	Ball
147	★DA1564110	1	Spring
148	DC433950	1	Plug Assembly
150	DA610900SR	1	Relief Valve Assembly
156	DA12089167	1	Gasket
200	DA1947167	1	Gasket
★ Items included in and available only as part of Repair Kit PUD1100BK.			

Replacement Brushes for Electric Motors			
Item	Part Number	Qty	Description
154	DA9655380	1 Set	Brush Set for 115V Models
	DA9656380	1 Set	Brush Set for 230V Models
155	DA9657020	1 Set	Brush Cap

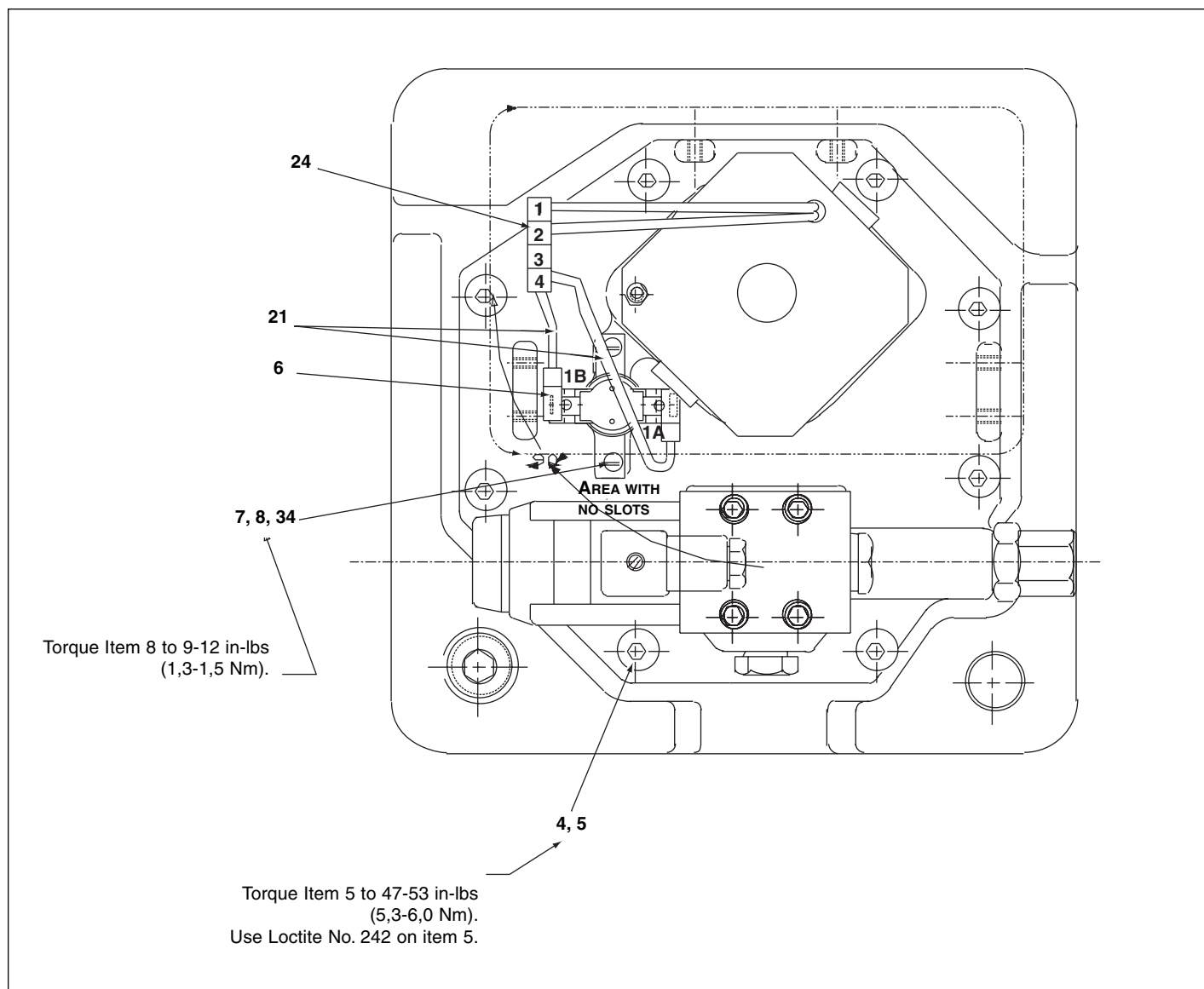


Figure 5 - Top View, Shroud Removed

Repair Parts List for Figure 5			
Item	Part Number	Qty.	Description
4	DA6954167	8	Gasket
5	DC2038028	8	Button Head Cap Screw
6	E1100004	1	Thermostat
7	C701222	2	Washer
8	M642026	2	Pan Head Machine Screw
21	DA3712900SR	2	Wire Assembly
24	DA11540380	1	Plug
34	CW267885		Loctite #598 Ultra Black Sealant

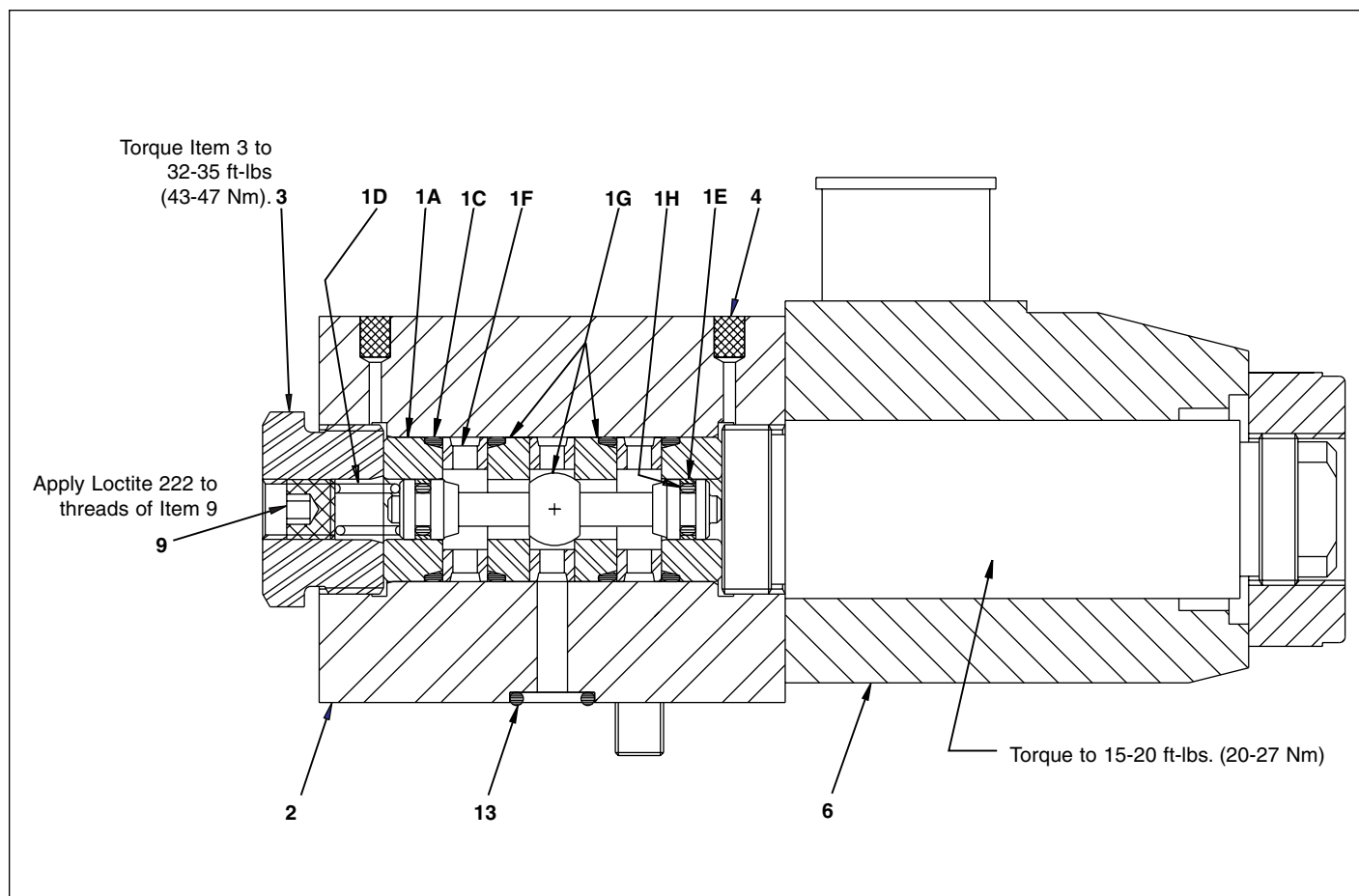


Figure 6 - Poppet Valve

Repair Parts List for Figure 6			
Item	Part Number	Qty.	Description
1	DA5792949SR	1	Valve Stack (includes items 1A-1H)
1A	★	2	Bushing
1C	★	4	O-ring
1D	★	1	Comp. Spring
1E	★	2	Glyd. Spring
1F	★	1	Seat Spacer
1G	★	1	Poppet Set
1H	★	2	O-ring
2	DA4393190	1	Valve Body
3	DA5421009	1	Valve Plug
4	DA4390118	1	Valve Block
6	DA4405900	1	115V Solenoid Assembly
	DA5714900	1	230V Solenoid Assembly
9	PA1417027	1	Set Screw
13	B1011803	3	O-ring

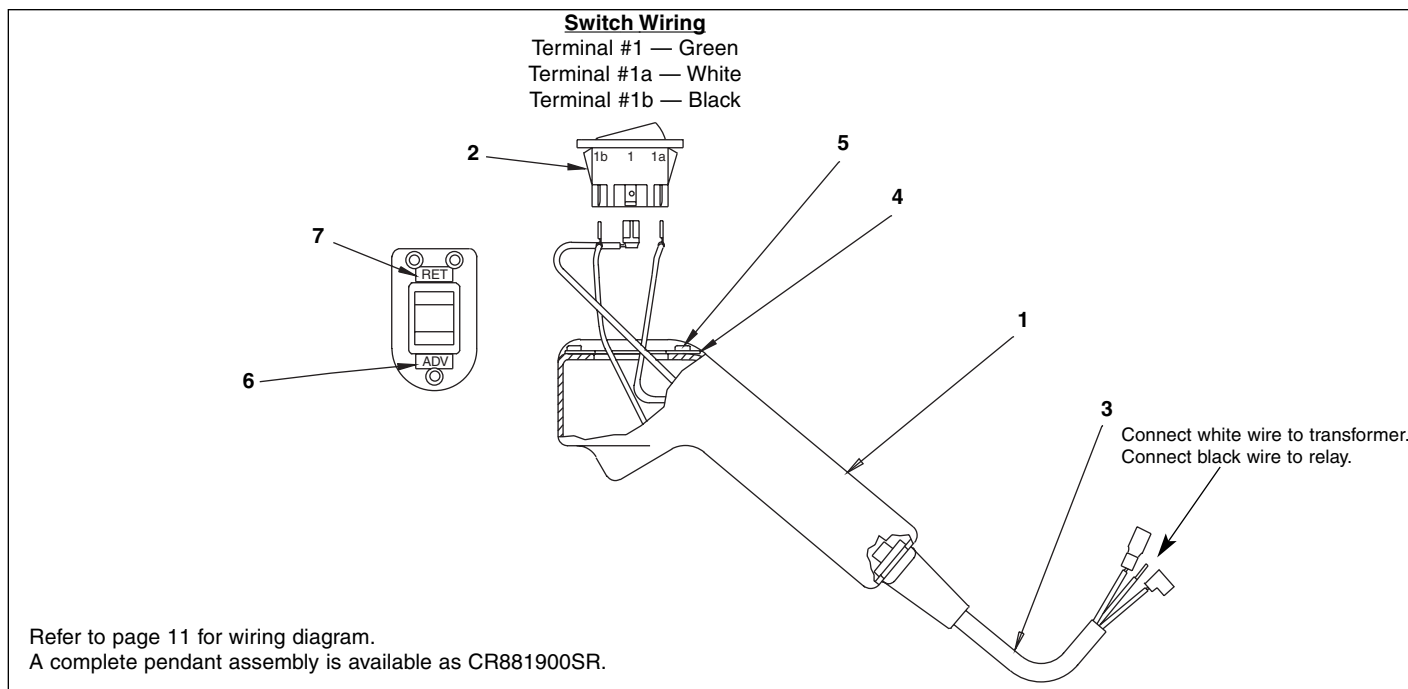


Figure 7 - Remote Pendant Assembly

Repair Parts List for Figure 7							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	DA1323190	1	Pendant Body	5	DC818003	3	Black Nylon Snap Riv
2	E1500001	1	Rocker Switch with B	6	DA1686026	1	ADV Decal .62 x .19
3	DA9331900	1	Cord Assembly	7	DA2804026	1	RET Decal .62 x .19
4	DA1415101	1	Mounting Plate				

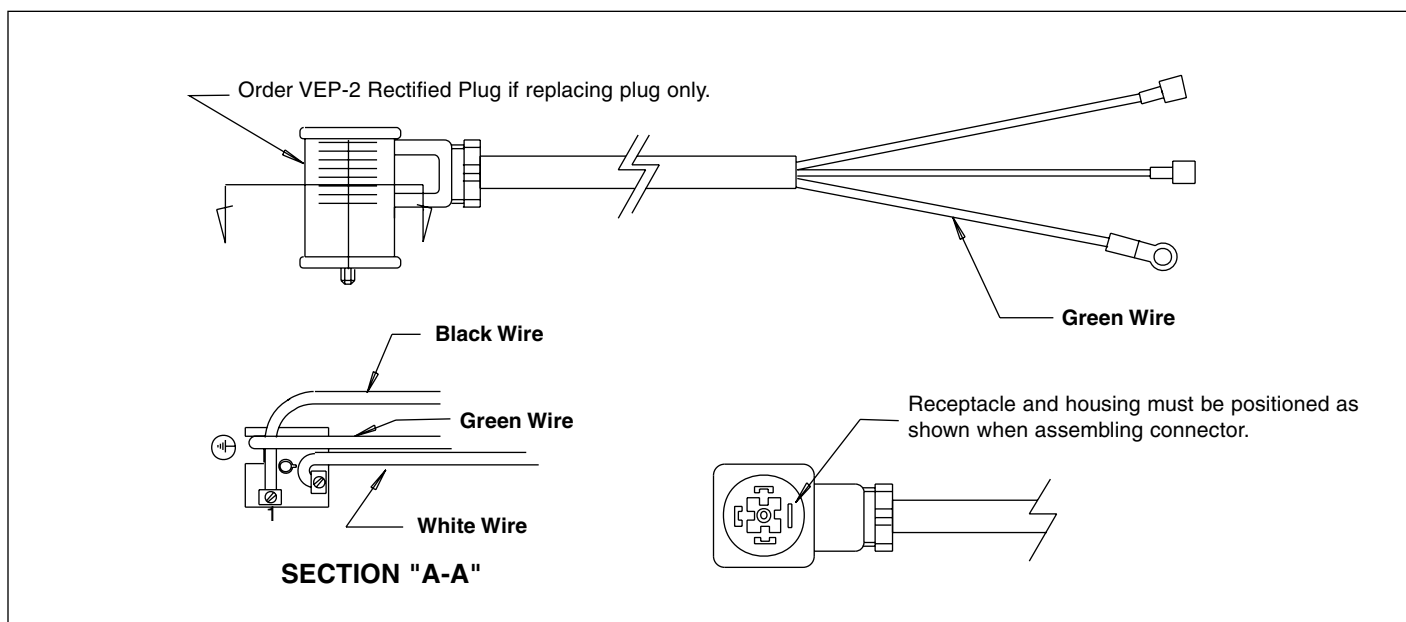


Figure 8 - Solenoid Valve Wire Assembly

Order DA12343900SR if replacing entire cord assembly.

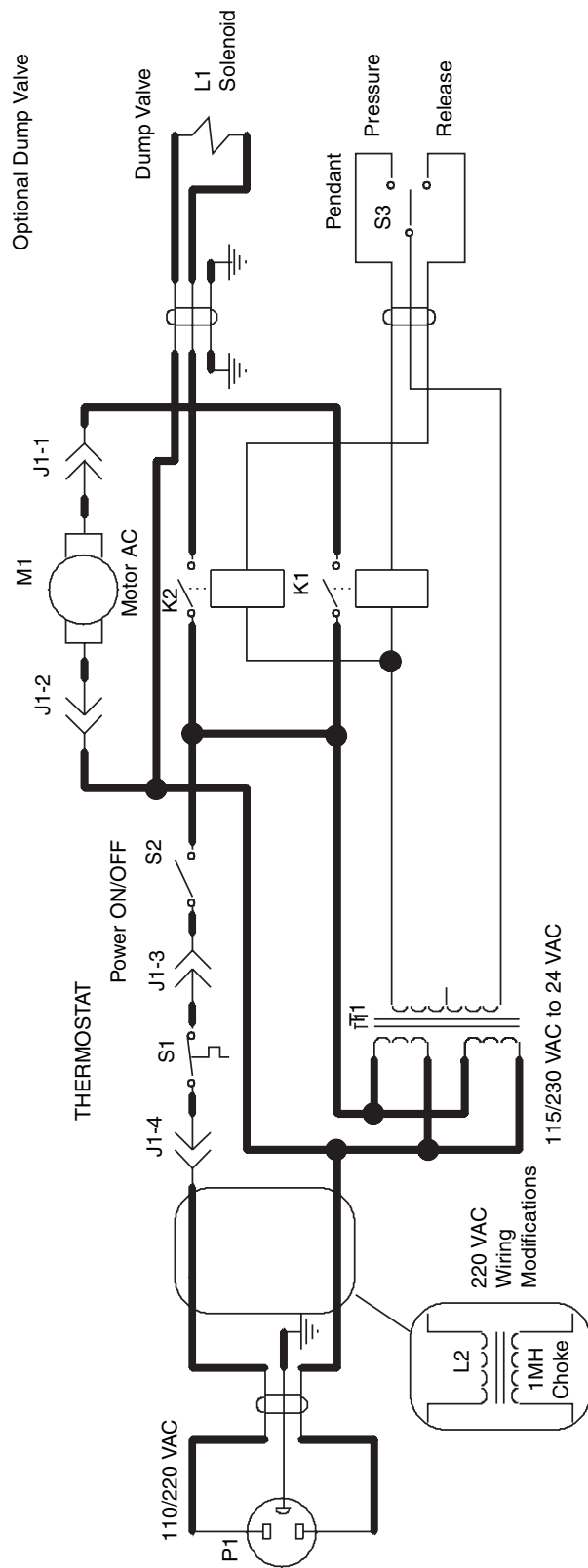


Figure 9 - Electrical Schematic

PENDANT OR FOOT SWITCH

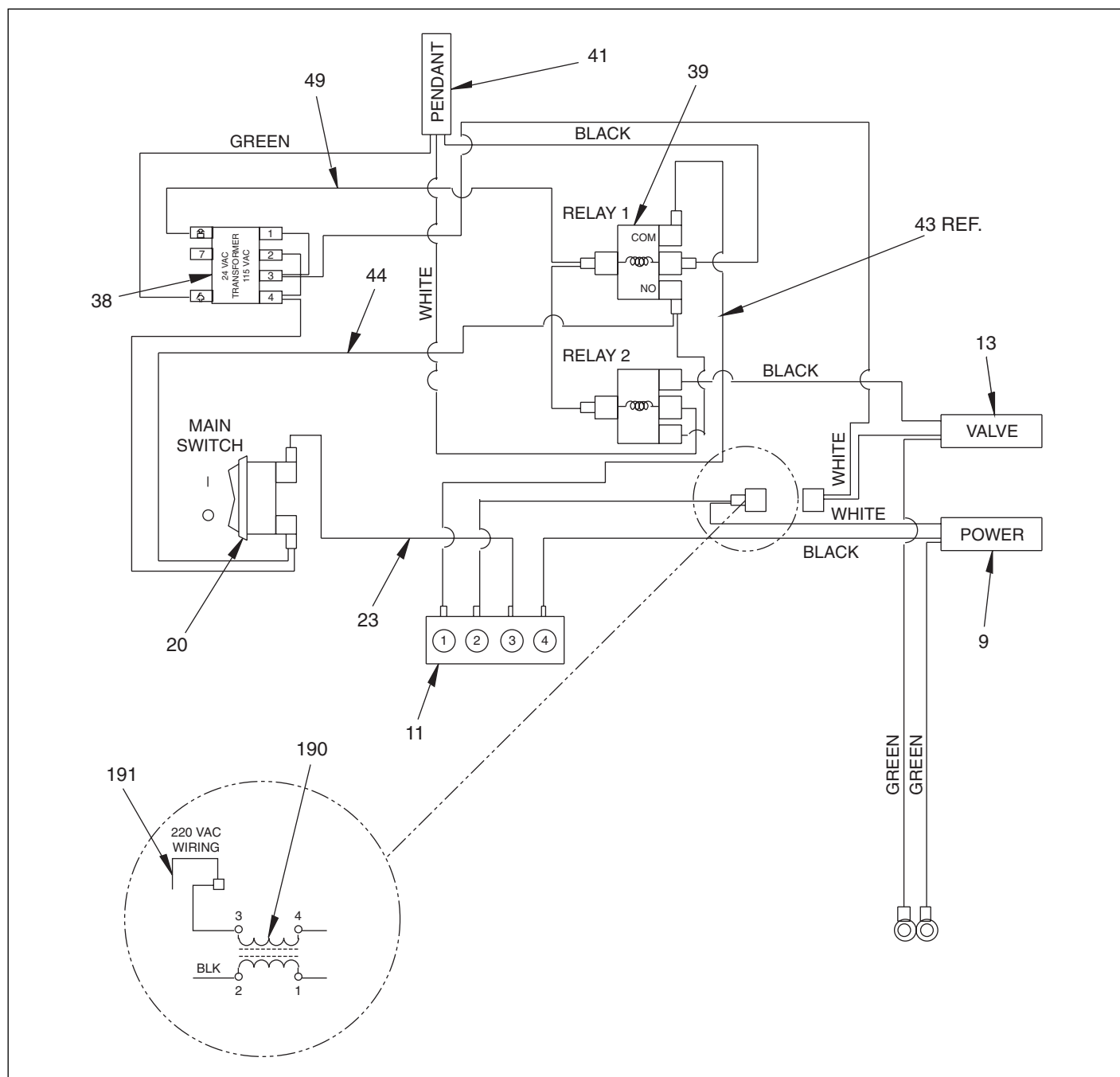


Figure 10 - Wiring Diagram

Repair Parts List for Figure 10

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
9	DA3709900SR	1	115V Power Cord	43	DA12120900	1	Wire Assembly
	DA3728900SR	1	220V Power Cord	44	DC688900	1	Wire Assembly
11	DA11539380	1	Receptacle	49	DC1527900	1	Wire Assembly
13	DA9337900	1	Wire Assembly	102	CW179259	1	115V Motor
20	DA7118372	1	Switch (Genesis)		DC370259	1	220V Motor
23	DA3711900	1	Wire Assembly	190	DC374900	1	Choke Assembly (220V)
38	DA5875380	1	Transformer	191	DC388900	1	Wire Assembly (220V)
41	DA933900	1	Pendant Assy.				

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