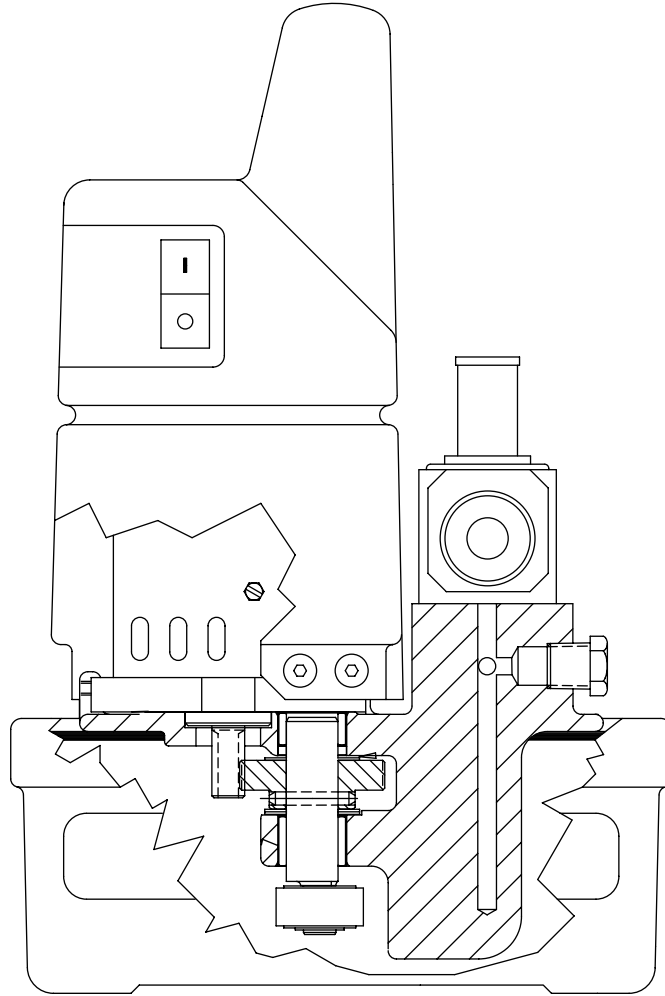




Contents:

Figure 1 - Pump Side View	2	Figure 7 - Wiring Diagram (inside shroud)	4
Figure 2 - Pump Front View (shroud removed)	2	Figure 8 - Top View-Cord and Cables	5
Figure 3 - Relief Valve	2	Figure 9 - Remote Pendant Assembly	6
Figure 4 - Pump Bottom View	2	Figure 10 - Poppet Valve Assembly	7
Figure 5 - Pump Front View (assembled)	3	Figure 11 - Electrical Schematic	8
Figure 6 - Pump Top View	4		

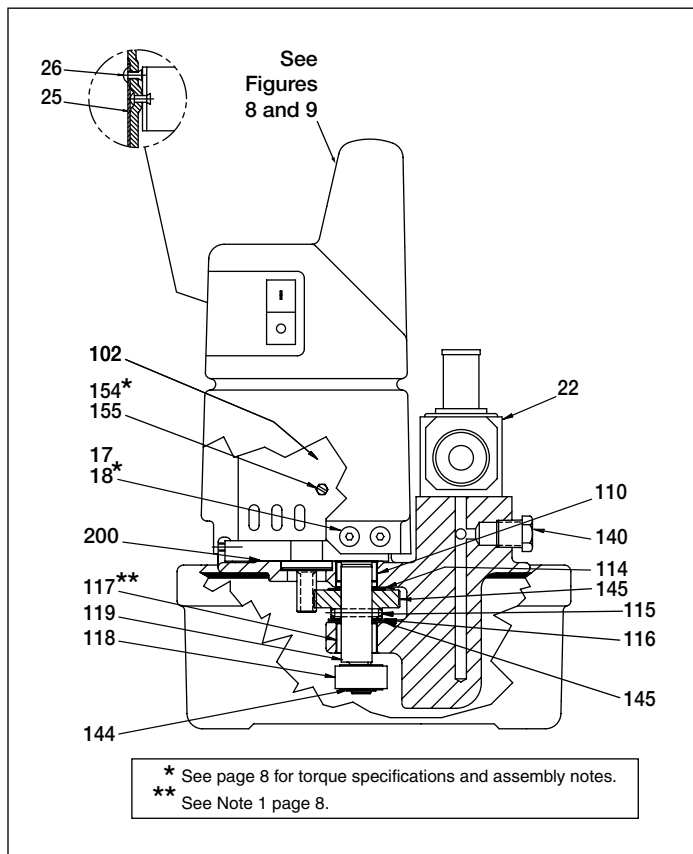


Figure 1, Pump Side View

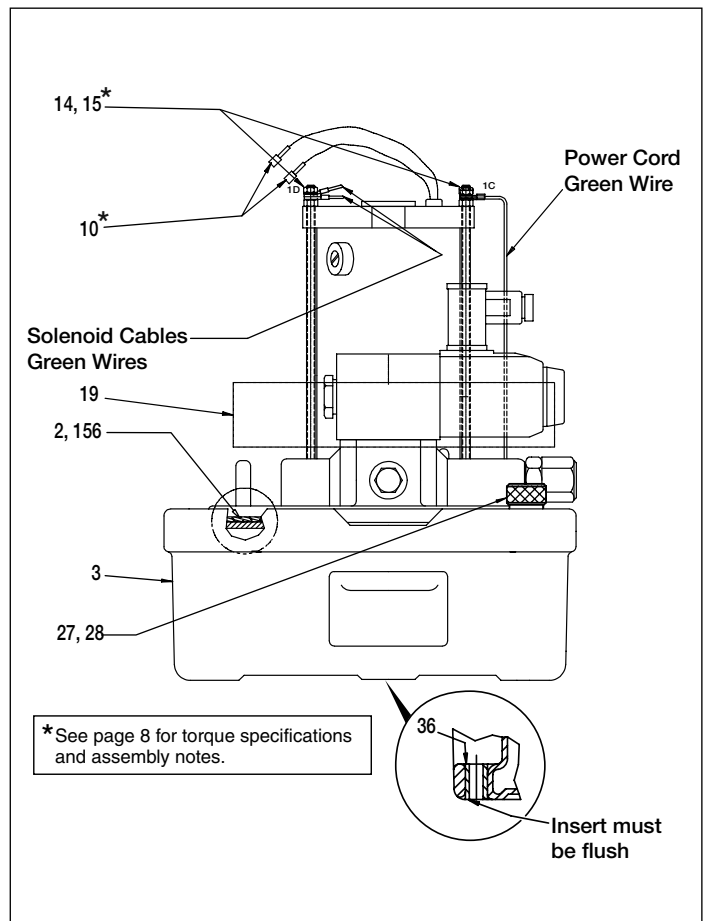


Figure 2, Pump Front View (shroud removed)

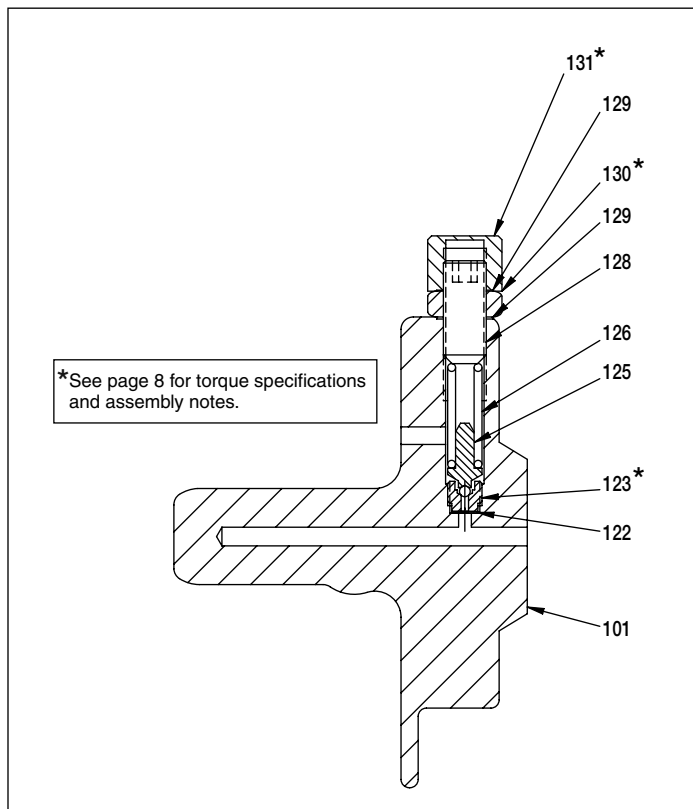


Figure 3, Relief Valve

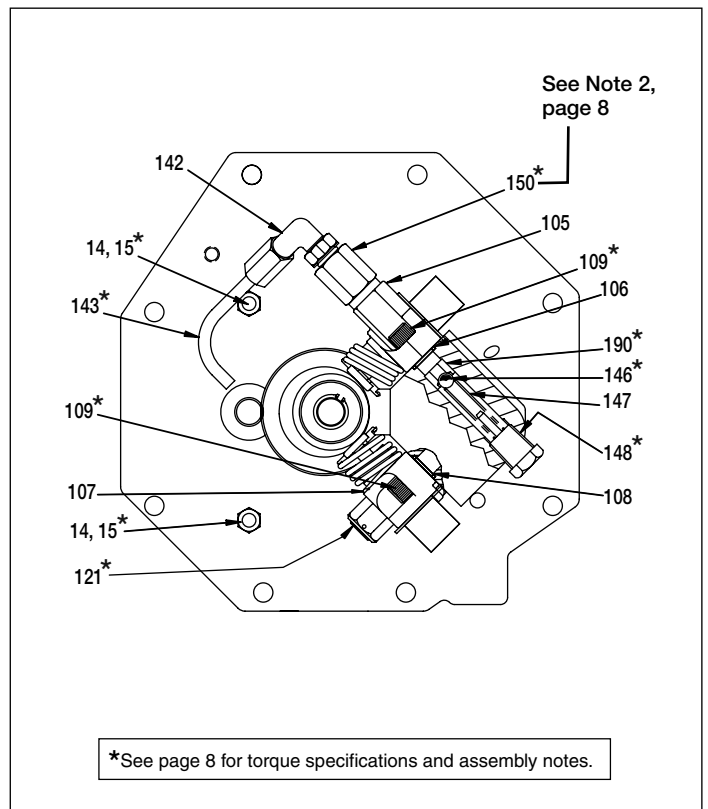


Figure 4, Pump Bottom View

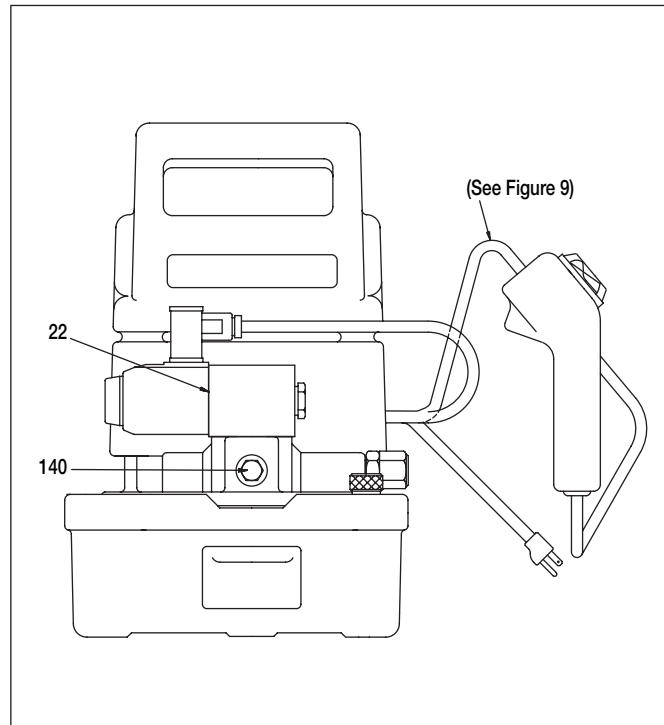


Figure 5, Pump Front View (assembled)

Repair Parts List for Figures 1 through 5

Item	Part Number	Qty.	Description
2	★ DA12088167SR	1	Gasket (Includes item 156)
3	DA1910900SR	1	Reservoir Assembly. 0.5 Gal.
	DA4780900SR		Reservoir Assembly. 1.0 Gal.
10	DA3776006	2	Pin
14	DA15066	4	Lock Washer
15	B1018121	4	Hex Nut
17	CW261225	6	Eyelet
18	F866028	6	Machine Screw
19	CW259298	1	Baffle
22	VSG2310P	1	115V Poppet Valve Ass'y
	VSG3510P	1	220V Poppet Valve Ass'y
25	Contact Enerpac	1	Nameplate
26	DC818003	4	Pop Rivet
27	DA608024	1	Vent Plug
28	★ B1906503	1	O-Ring
36	DA931225	2	Insert
101	DA12490840SR	1	Pump Manifold (includes # 121)
102	CW179259	1	115 VAC Motor
	DC1415259	1	220 VAC 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	★ B1097057	1	Spring Pin
116	★ CW199107	1	Bearing
117	CW251107	1	Bearing
★ Included in Repair Kit PUD1100BK			

Item	Part Number	Qty.	Description
118	CW302107	1	Bearing
119	CW303104	1	Shaft
121	DA5999900SR	1	Relief Valve (see Figure 4)
122	★ C846037	1	Gasket
123	★ DA5771290	1	Seat
125	DC1316900SR	1	Ball Guide Assembly
126	★ A109164	1	Compression Spring
128	DA252028	1	Adjusting Screw
129	★ S1167	1	Gasket
130	CW306055	1	Lock Nut
131	CW307055	1	Cap Nut
140	R515245-2	1	Plug
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
149	B1020028	4	Cap Screw
150	DA610900SR	1	Relief Valve Assembly
154	★ CU876028	3	Screw (10-24)
155	DA3585186	3	Spacer
156	See item 2	1	Gasket
190	DA12352290	1	Ball Seat
200	★ DC1947167	1	Gasket
Replacement Brushes for Electric Motor			
- - -	DA9655380	1	Brush Set for 115V Models
- - -	DA9656380	1	Brush Set for 220V Models

* See page 8 for torque specifications and assembly notes.

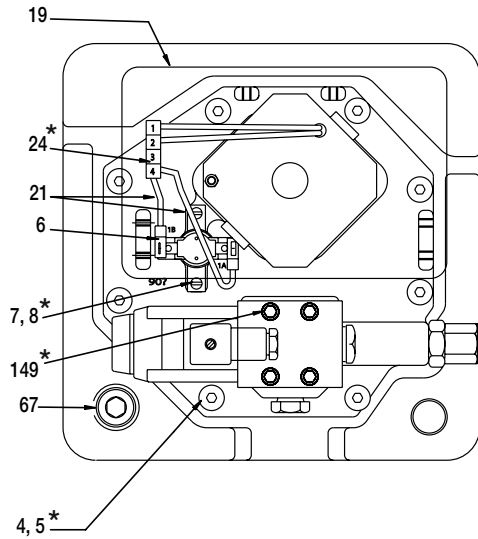


Figure 6, Pump Top View

Repair Parts List for Figure 6

Item	Part Number	Qty.	Description
4	DA6954167	8	Gasket
5	DC2038028	8	Screw
6	E1100004	1	Thermostat
7	C701222	2	Washer
8	M642028	2	Screw
19	CW259298	1	Baffle
21	DC7969960	2	Wire Assembly
24	DA11540380	1	Pin Housing
67	A1009245	2	Plug
149	DD1074028	4	Cap Screw

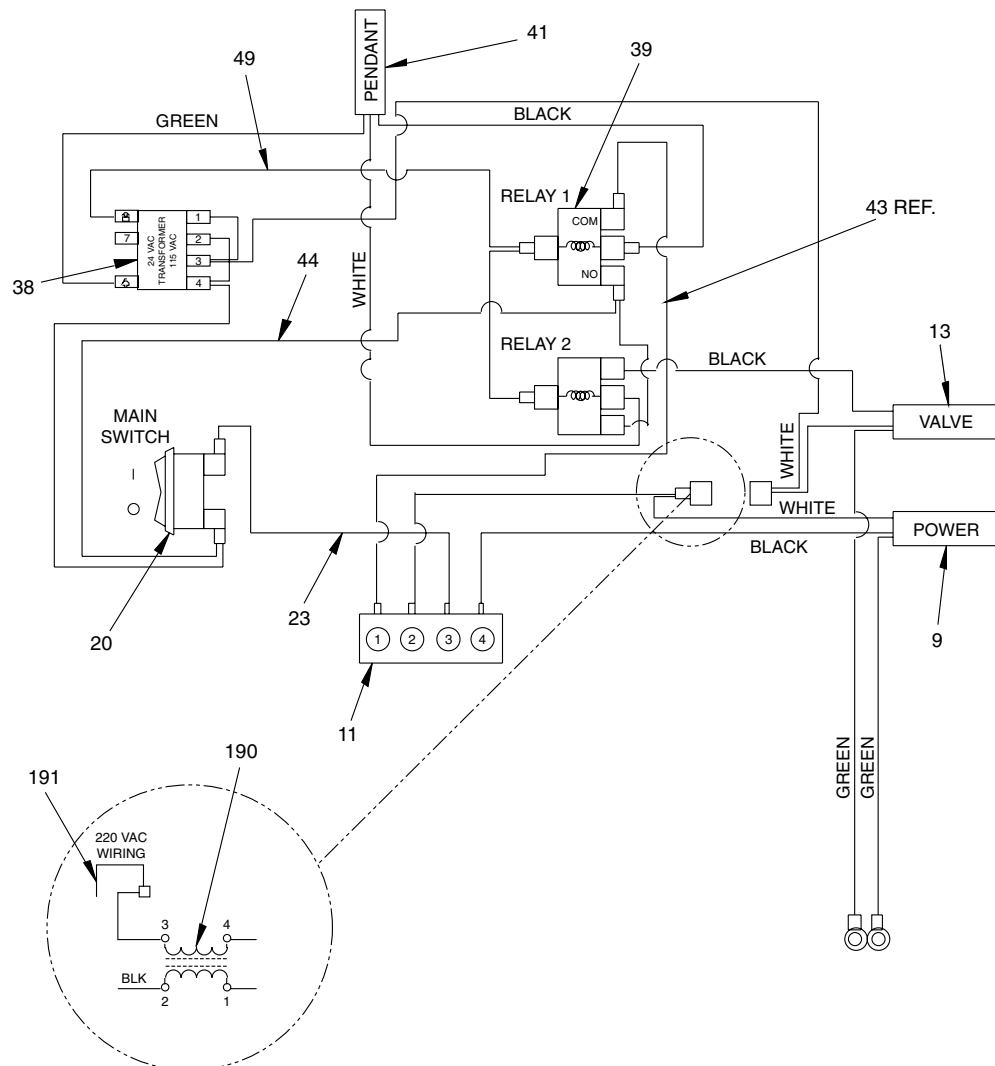


Figure 7, Wiring Diagram (inside shroud)

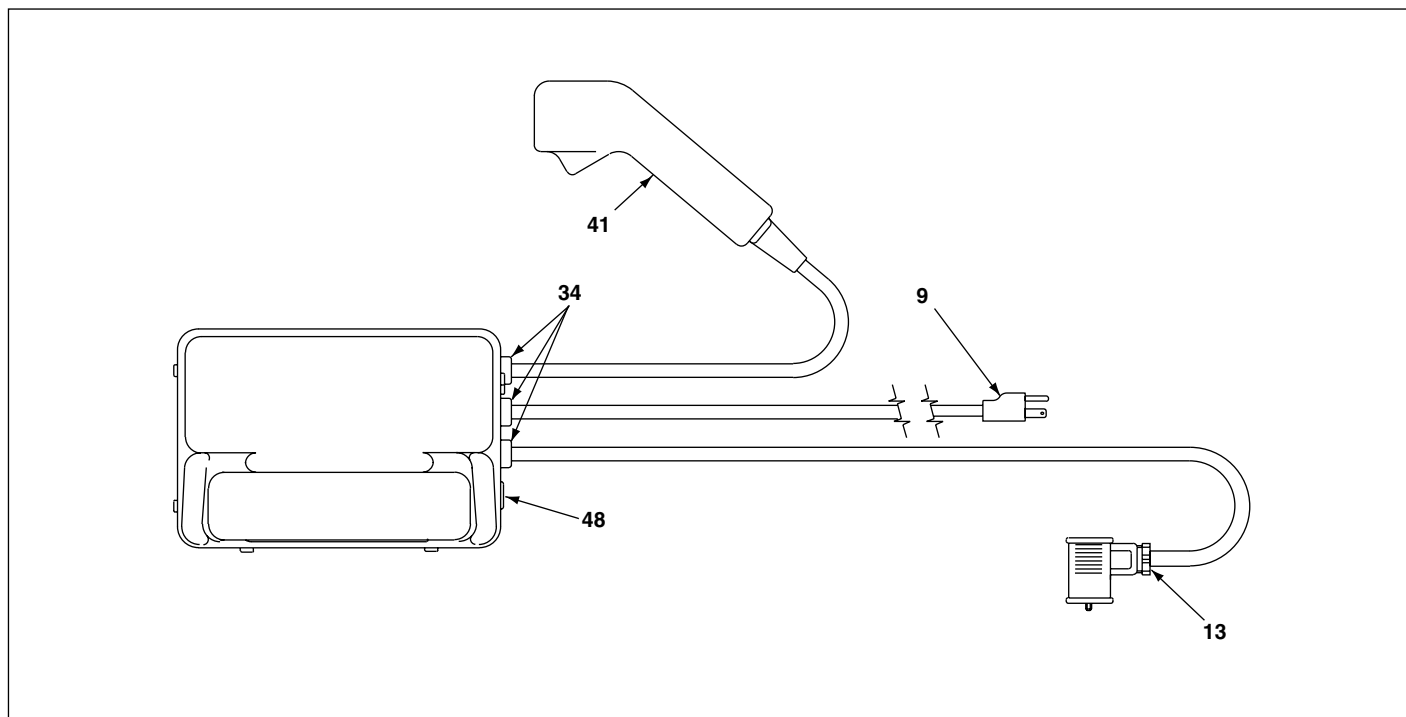


Figure 8, Top View, Cord and Cables

Repair Parts List for Figures 7 and 8							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
9	DA370900SR	1	Power Cord, 115V	43	DA12120900	1	Wire Assembly
	DA3728900SR	1	Power Cord, 220V	44	DC688900	1	Wire Assembly
11	DA11539380	1	Receptacle	48	DA3731009	1	Hole Plug
13	DA9337900	1	Solenoid Cable	49	DC1527900	1	Wire Assembly
20	DA7118372	1	Switch (Genesis)	102	CW179259	1	Motor, 115V
23	DA3711900	1	Wire Assembly		DC370259	1	Motor, 220V
38	DA5875380	1	Transformer	190	DC374900	1	Choke Assembly, 220V
34	CR759291	3	Cord Bushing	191	DC388900	1	Wire Assembly, 220V
41	DA933900	1	Pendant Assy.				
★ Note: For replacement shroud assembly, order Repair Kit DC7938900SR (115V) or DC7939900SR (220V).							

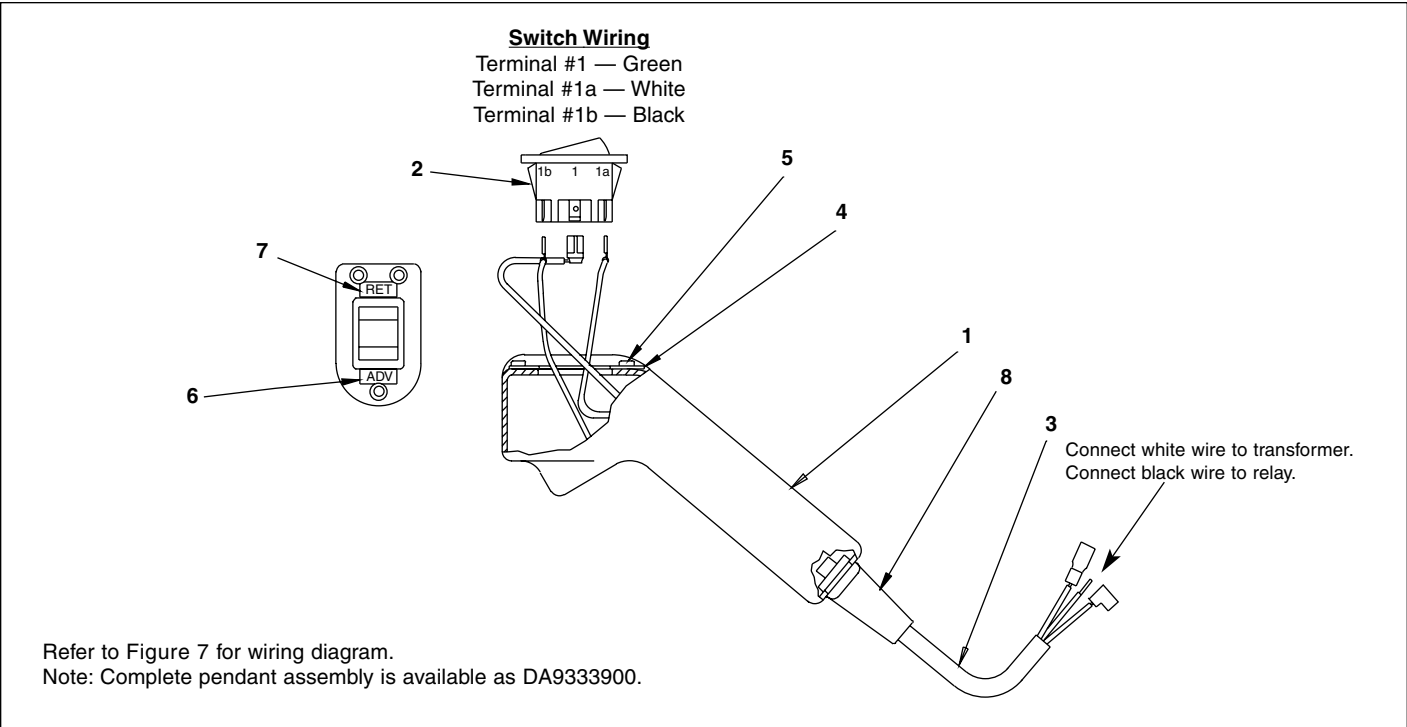


Figure 9, Remote Pendant Assembly

Repair Parts List for Figure 9							
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	8	★DA1568007	1	Strain Relief

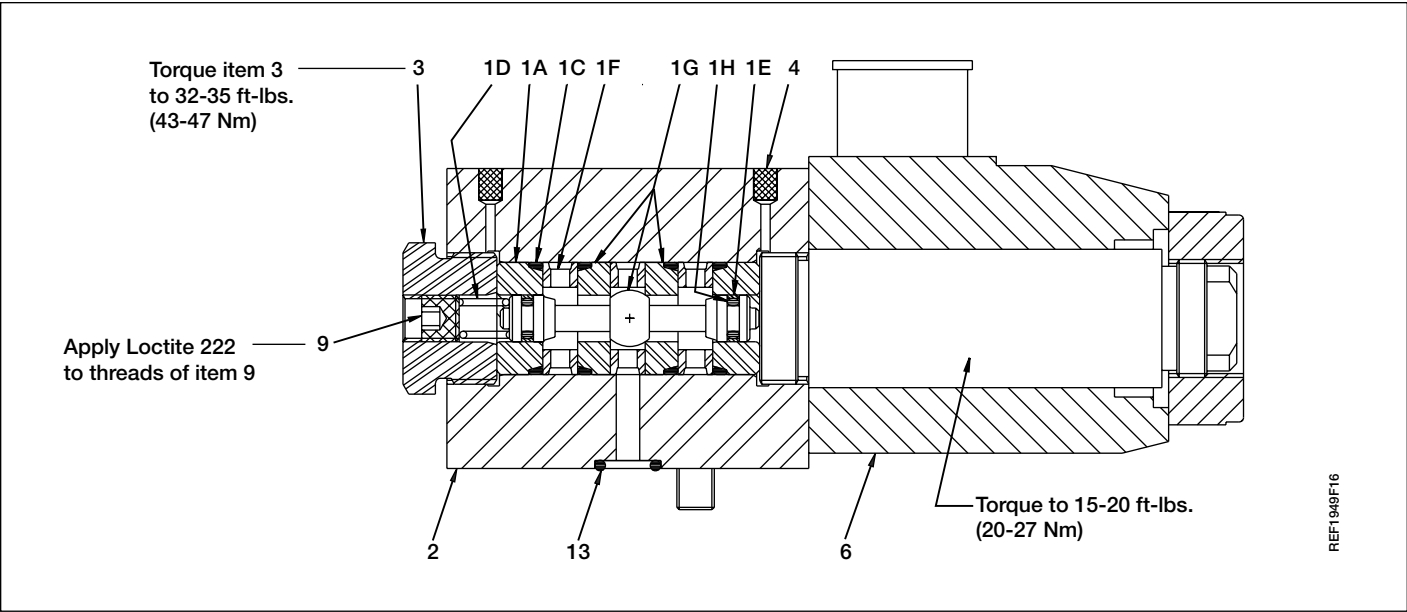


Figure 10, Poppet Valve Assembly

Repair Parts List for Figure 10							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	DA5792949SR	1	Valve Stack (inc. items 1A-1H)	2	DA4393190	1	Valve Block Body
1A	DA3697039	2	Bushing	3	DA5421009	1	Valve Plug
1C	B1016803	4	O-ring	4	DA4390118	2	Filter
1D	DA5422110	1	Comp. Spring	6	DA4405900	1	Solenoid Assembly (115V)
1E	CH279044	2	Glyd Ring		DA5714900	1	Solenoid Assembly (220V)
1F	DA3698290	3	Seat Spacer	9	PA1417027	1	Set Screw
1G	DC862949	1	Poppet Set	13	B1011803	3	O-Ring
1H	B1002503	2	O-Ring				

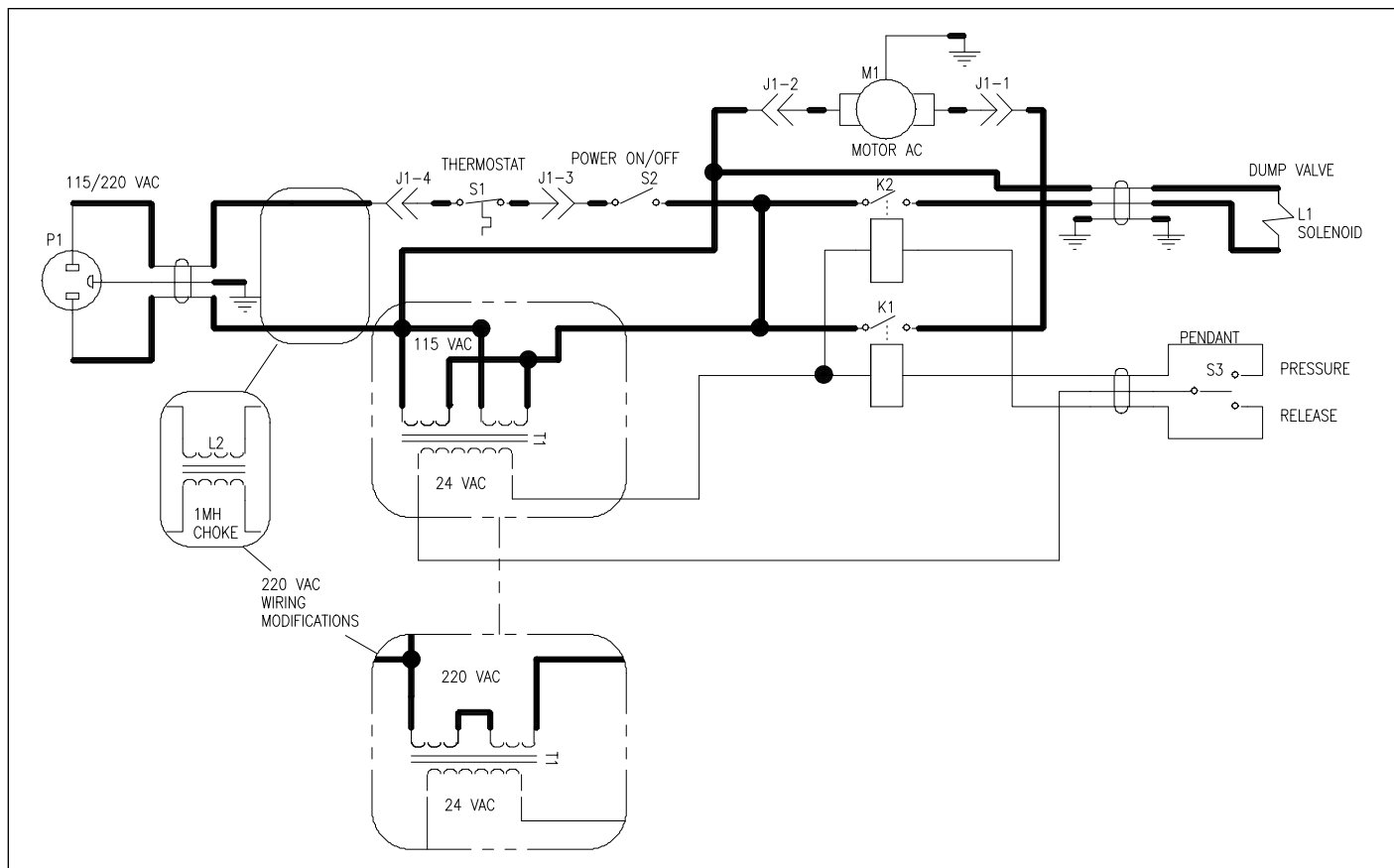


Figure 11, Electrical Schematic (115V and 220V Models)

Figure	Item No.	Torque Specification and/or Assembly Notes
1	18	Apply 1 drop Loctite #242 to threads. Torque to 12 to 18 in-lbs (1,4 to 2,0 Nm).
1	154	Torque to 27-31 in-lbs (3,1 to 3,5 Nm).
1	Note 1	Install bearing, Item 117, flush to 0.010" (2,54 mm) recessed from surface.
2	10	Trim wire length to 9 to 10 inches (228 - 254 mm) before attaching pins (item 10). Then insert into item 24.
2	15	Torque to 27 to 31 in-lbs (3,1 to 3,5 Nm).
3	123	Torque to 15 to 16 ft-lbs (20,0 to 21,7 Nm) lubricated.
3	130,131	Torque to 15 to 20 ft-lbs (20 to 27 Nm).
4	15	Torque to 27-31 in-lbs (3,1 to 3,5 Nm).
4	109	Torque to 14 to 16 ft-lbs, dry (19,0 to 21,7 Nm).
4	121	Torque to 16-19 ft-lbs, dry (21,7 to 25,8 Nm).
4	143	Align tube to face mesh and splash lubricate upper needle bearing.
4	146	Seat must be coined prior to assembly.
4	148	Assemble with Loctite #545.
4	150	Relief valve setting should be from 250 to 400 psi (17,3 to 27,9 bar).
4	190	Assemble with Loctite #609.
4	Note 2	Stake threads after setting pressure.
6	149	Torque to 8 to 10 ft-lbs (10,8 to 13,5 Nm).
6	5	Torque to 47-53 in-lbs (5,3 to 6,0 Nm). Use Loctite #242 on item #5.
6	8	Torque to 9-12 in-lbs (1,0-1,3 Nm).
6	24	Attach to receptacle on shroud.

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