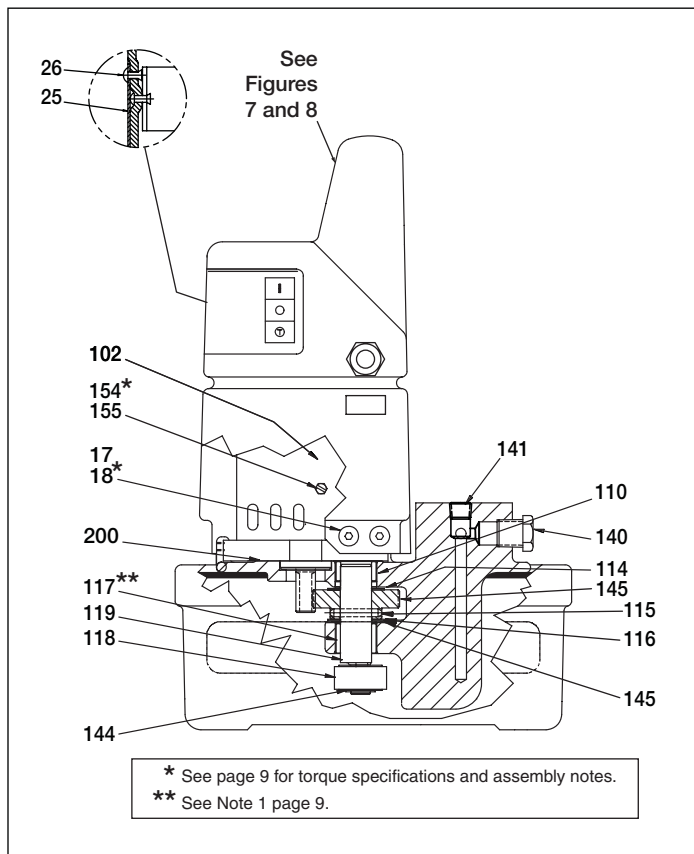
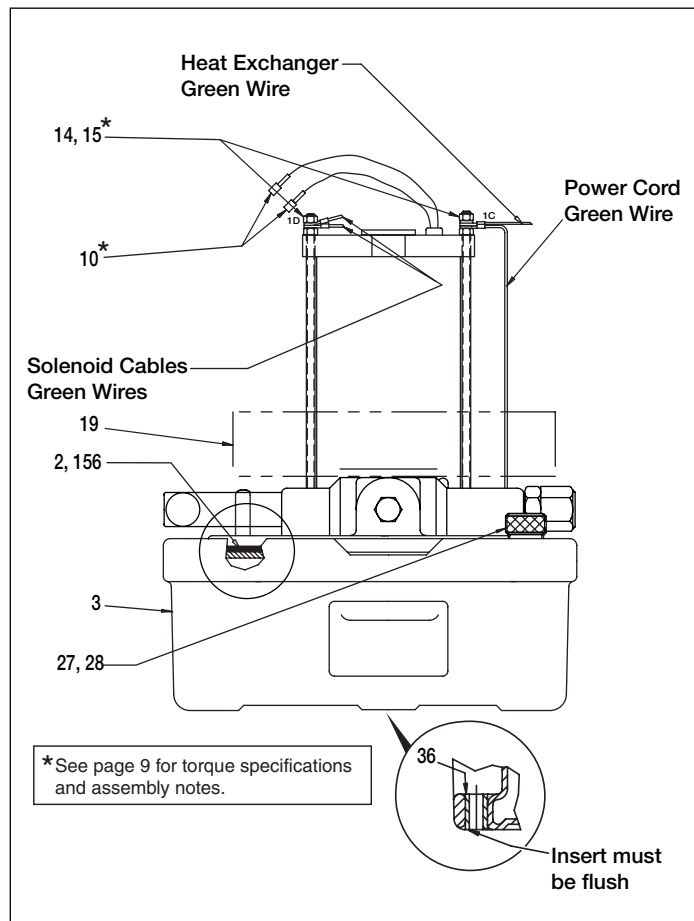


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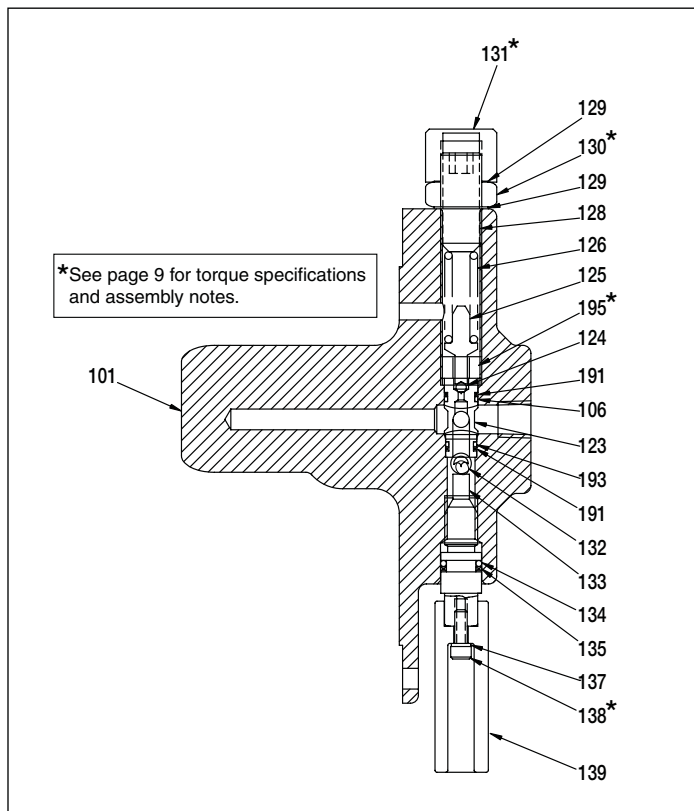
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Figure 2 - Pump Front View (shroud removed).....	2	Figure 10 - Shroud Wiring-Right of Motor.....	5
Figure 3 - Valve and Manifold Assembly .....	2	Figure 11 - Top View, Cord and Cables.....	6
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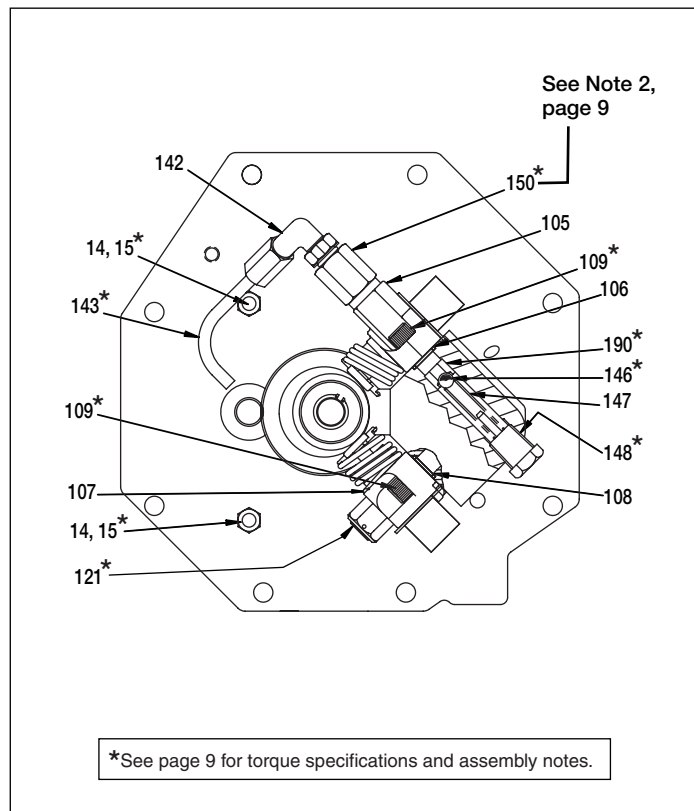
**Figure 1, Pump Side View**



**Figure 2, Pump Front View (shroud removed)**



**Figure 3, Valve and Manifold Assembly**



**Figure 4, Pump Bottom View**

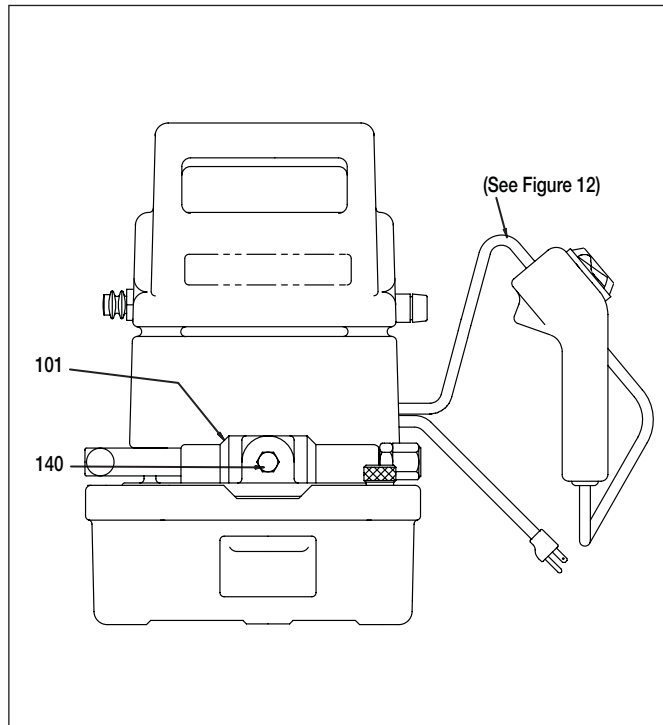


Figure 5, Pump Front View (assembled)

**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	1	Reservoir Assembly. 1.0 Gal.
10	DA3776006	2	Pin
14	DA15066	3	Lock Washer
15	B1018121	3	Hex Nut
17	CW261225	6	Eyelet
18	F866028	6	Machine Screw
19	CW259298	1	Baffle
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	DA12486840SR	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
118	CW302107	1	Bearing
119	CW303104	1	Shaft
121	DA5999900SR	1	Relief Valve (see Figure 4)
123	★ DA12199290	1	Ball Seat Insert
124	★ B1004016	1	Ball (0.156 in. dia.)
125	DC990900	1	Ball Guide

★ Included in Repair Kit PUJ1200BK1

Item	Part Number	Qty.	Description
126	★ A109164	1	Compression Spring
128	DA252028	1	Adjusting Screw
129	★ S1167	1	Gasket
130	CW306055	1	Lock Nut
131	CW307055	1	Cap Nut
132	★ B1009016	1	Ball (0.312 in. dia.)
133	C790010SR	1	Stem
134	★ B1111203	1	O-Ring, Viton
135	★ B1111564	1	Washer
137	B1086066	1	Lockwasher
138	B1323028	1	Screw, Socket Head
139	DA544070SR	1	Handle
140	R515245-2	1	Plug
141	A1016245	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
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
191	★ B1012565	2	Washer, Back-up
193	★ DC19503	1	O-Ring
195	DC866027	1	Lock Screw
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 9 for torque specifications and assembly notes.

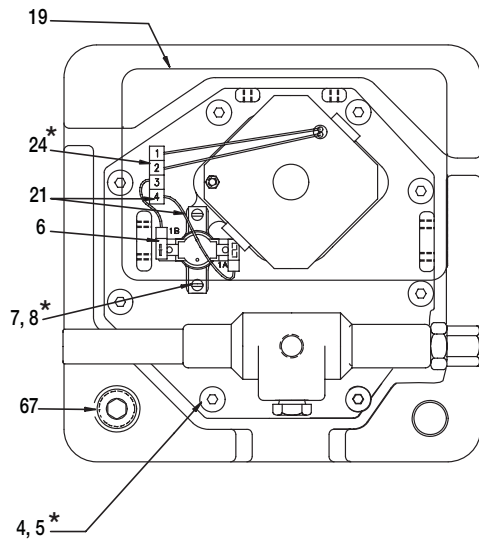
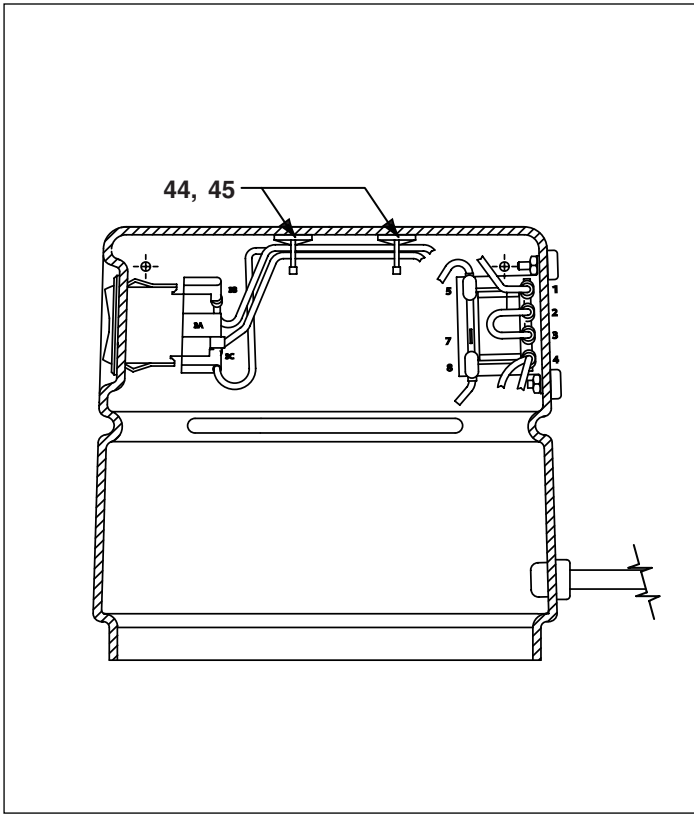


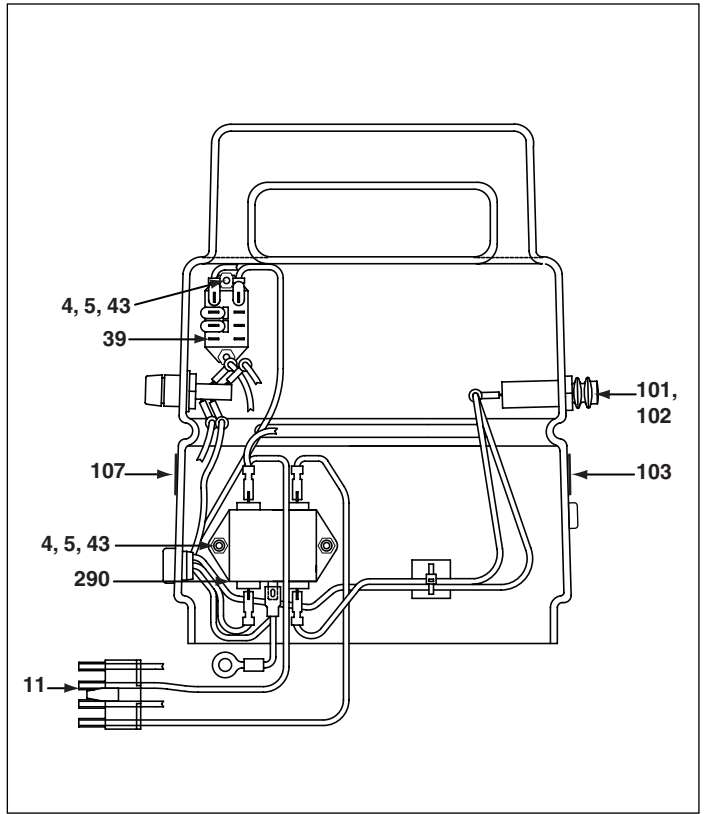
Figure 6, Pump Top View

**Repair Parts List for Figure 6**

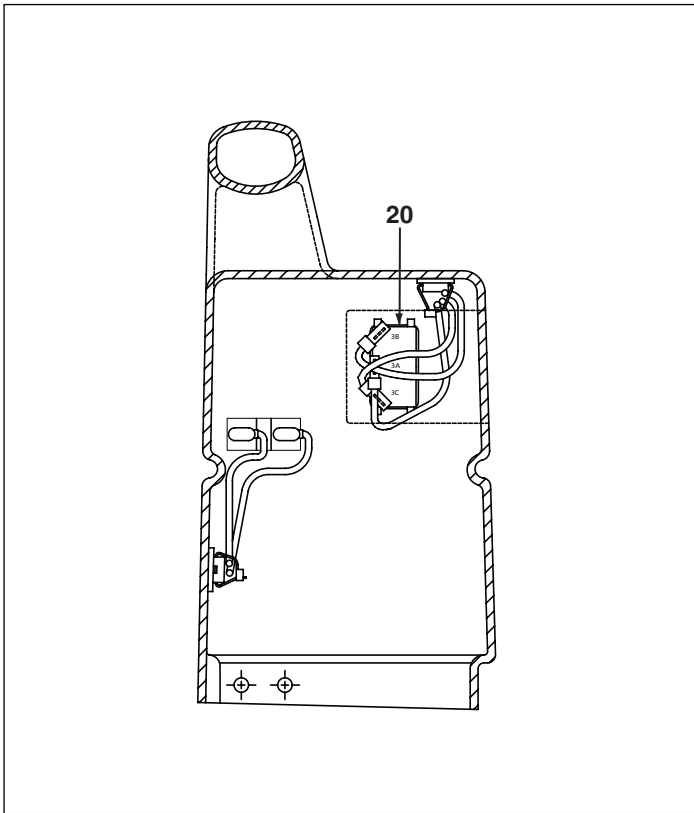
Item	Part Number	Qty.	Description
4	DA6954167	8	Gasket
5	DC2038028	8	Screw
6	E1100004	1	Thermostat, 115V
	DC8401372	1	Thermostat, 220V
7	C701222	2	Washer
8	M642028	2	Screw
19	CW259298	1	Baffle
21	DC7969960	2	Wire Assembly
24	DA11540380	1	Pin Housing
67	A1009245	2	Plug



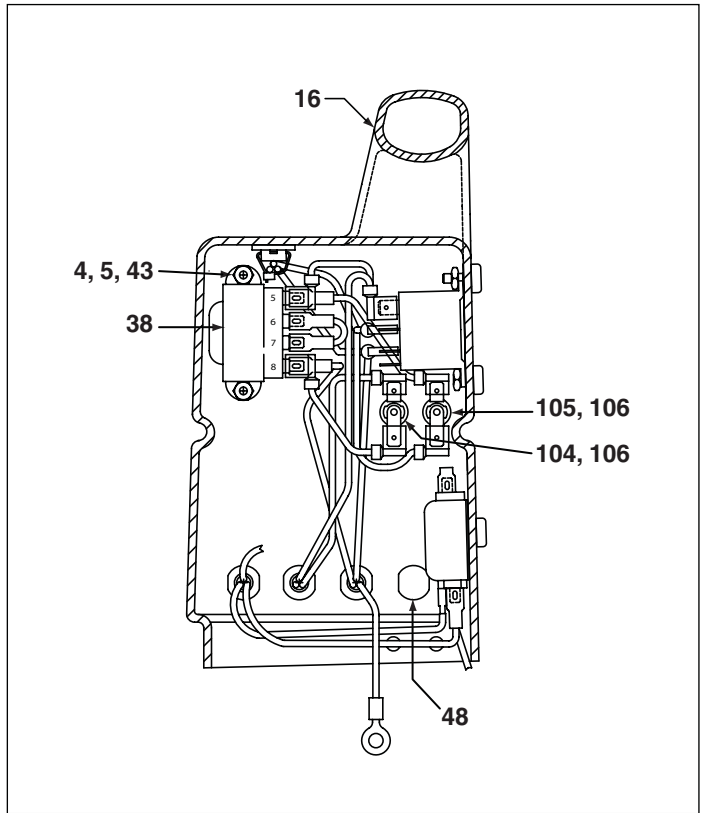
**Figure 7, Shroud Wiring - Behind Motor**



**Figure 8, Shroud Wiring - Front of Motor**



**Figure 9, Shroud Wiring - Left of Motor**



**Figure 10, Shroud Wiring - Right of Motor**

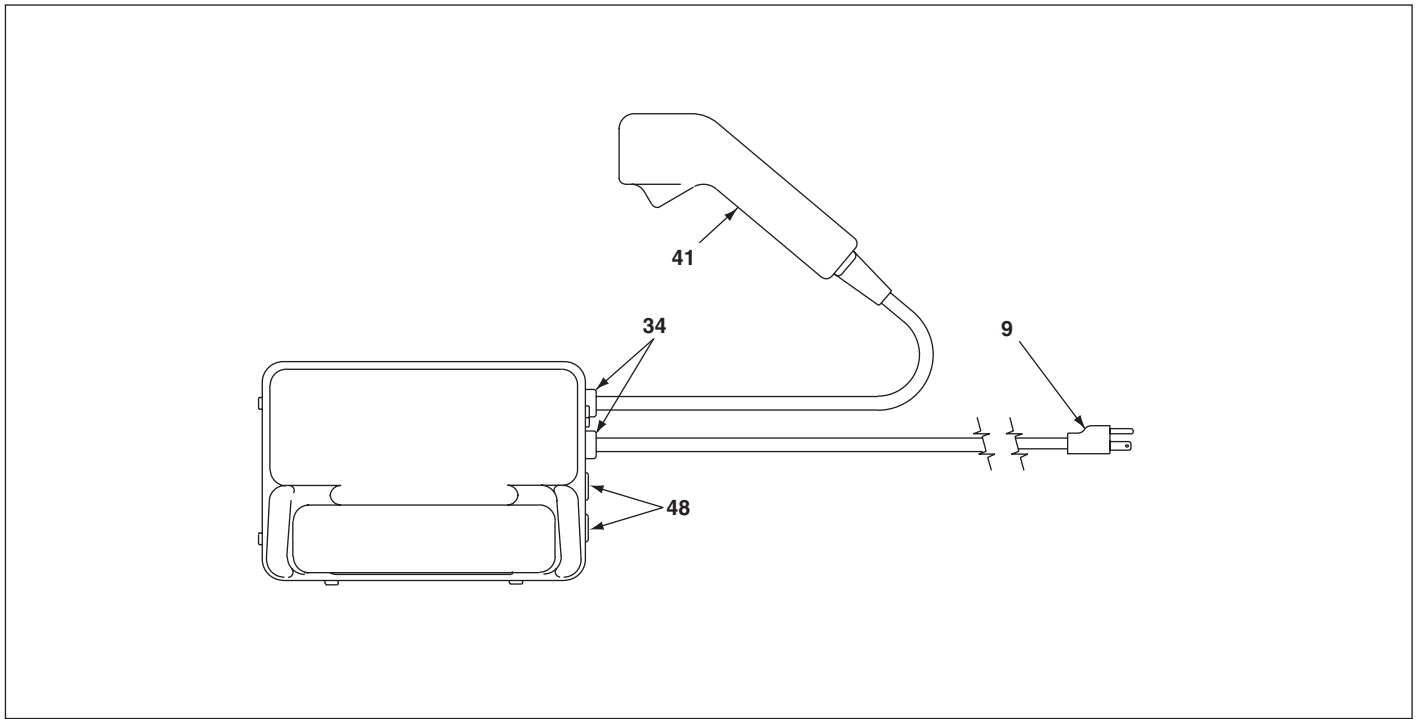
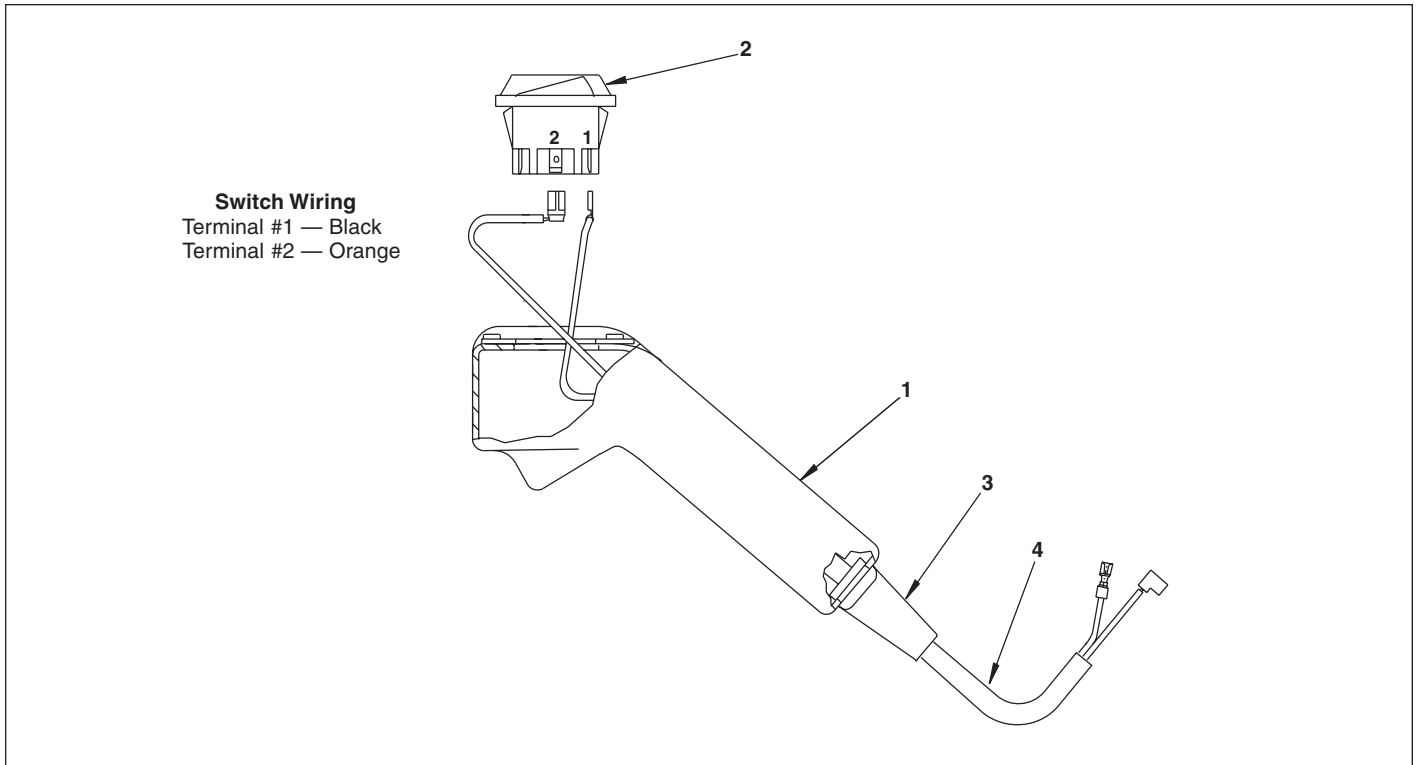


Figure 11, Top View, Cord and Cables

Repair Parts List for Figures 7 through 11

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
4	BC1310728	4	Screw (115V)	43	DA5974098	4	Screw Cover (115V)
	BC1310728	6	Screw (220V)		DA5974098	6	Screw Cover (220V)
5	F75021	4	Lock Nut #6-32 (115V)	44	EHC3901075	3	Tie Down, Self Adhesive
	F75021	6	Lock Nut #6-32 (220V)	45	DA3131217	4	Cable Tie
9	DC7954960SR	1	Power Cord (115V)	48	DA3731009	2	Hole Plug
	DC10008960SR	1	Power Cord (220V)	101	DC8366380	1	Circuit Breaker (115V)
11	DA11539380	1	Receptacle		DC8367380	1	Circuit Breaker (220V)
16	DC10035098	1	Shroud - PUM Models	102	DC8200380	1	Circuit Breaker Reset Cap
	DC10037098	1	Shroud - PUJ Models (115V)	103	DC8237023	1	Circuit Breaker Decal
	DC10036098	1	Shroud - PUJ Models (220V)	104	DC8371378	1	Secondary Fuse, 300mA
20	E1500002	1	Switch	105	DC8370378	1	Primary Fuse, 62mA (115V)
34	CR759291	2	Cord Bushing		DC8400378	1	Primary Fuse, 40mA (220V)
38	DA5875380	1	Transformer	106	DC8372378	2	Fuse Holder
39	E1300008	1	Relay, D1 - PUJ Only (115V)	107	DC7891026	1	Fuse Decal
	DC8280980	1	Relay, D1 - PUJ Only (220V)	290	DC8365380	1	EMI Filter (220V only)
41	DC7953900SR	1	Pendant Assy - PUJ Only				

Note: For replacement shroud assembly:  
 • Model PUM1200B only: Order Repair Kit DC7942900SR.  
 • PUJ Models, 115V: Order Repair Kit DC7933900SR.  
 • PUJ Models, 220V: Order Repair Kit DC7934900SR.



**Figure 12, Remote Pendant Assembly**

Repair Parts List for Figure 12							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	CU598190	1	Pendant Body	3	DA1568007	1	Strain Relief
2	CU911372	1	Switch	4	DC10003960	1	Wire Assembly
For complete replacement pendant assembly, order part number DC7953900SR.							

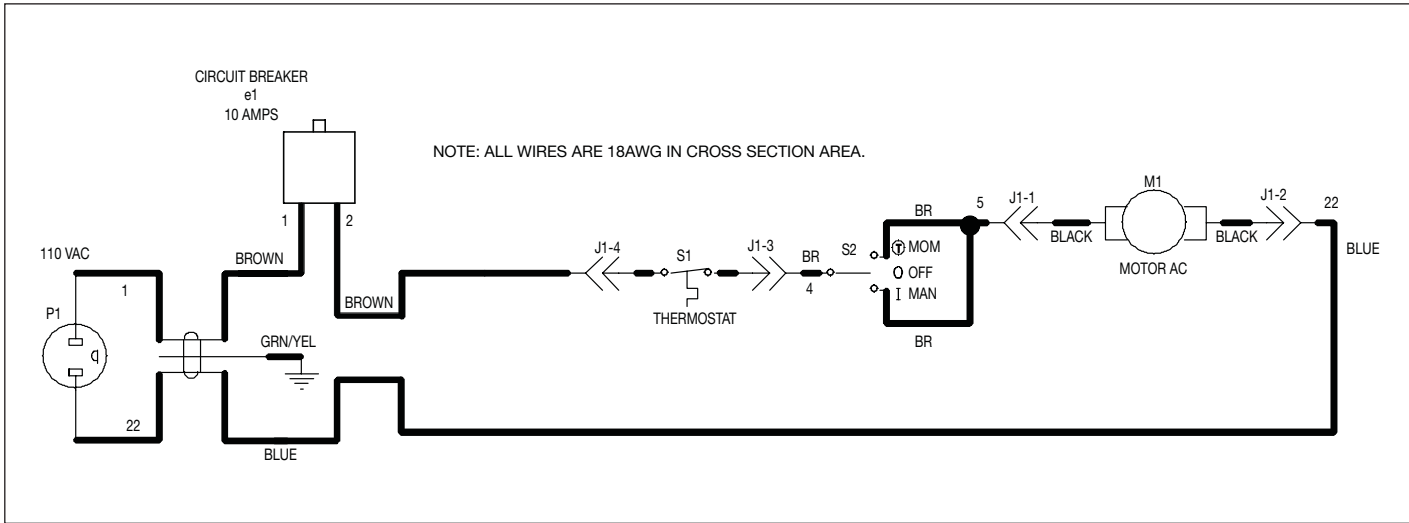


Figure 13, Electrical Schematic, PUM Models

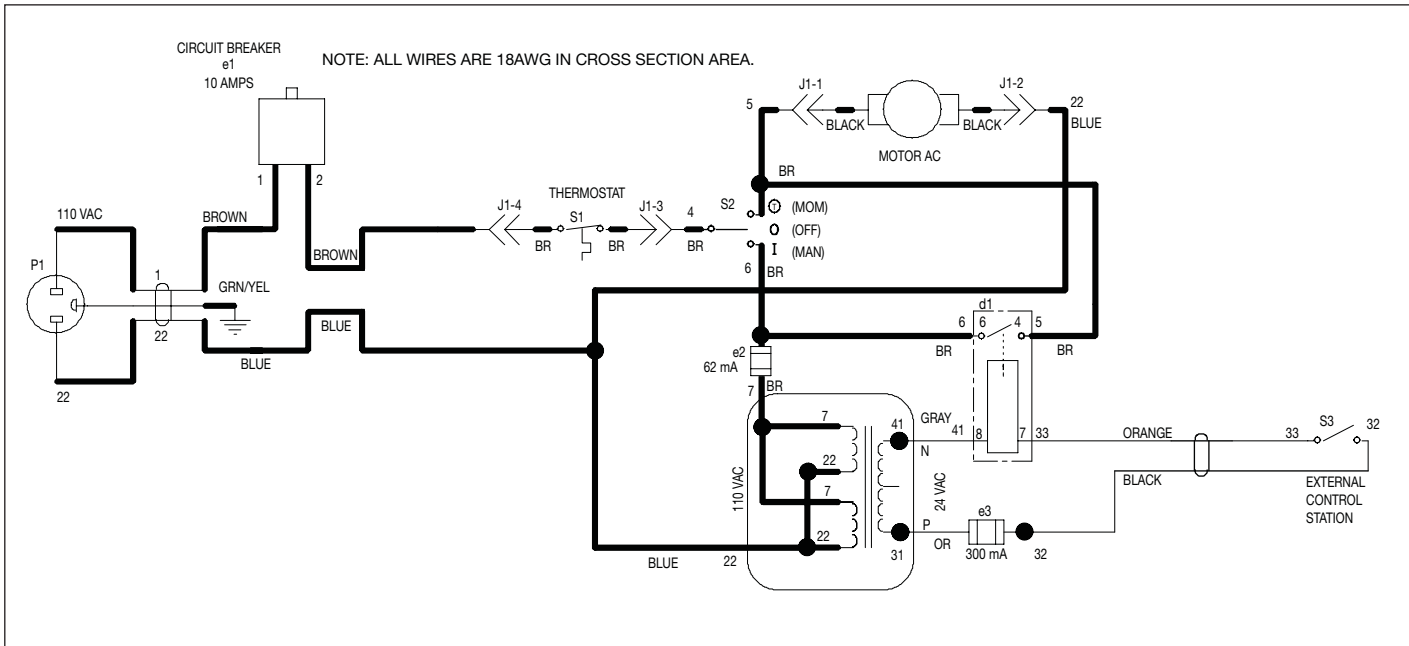
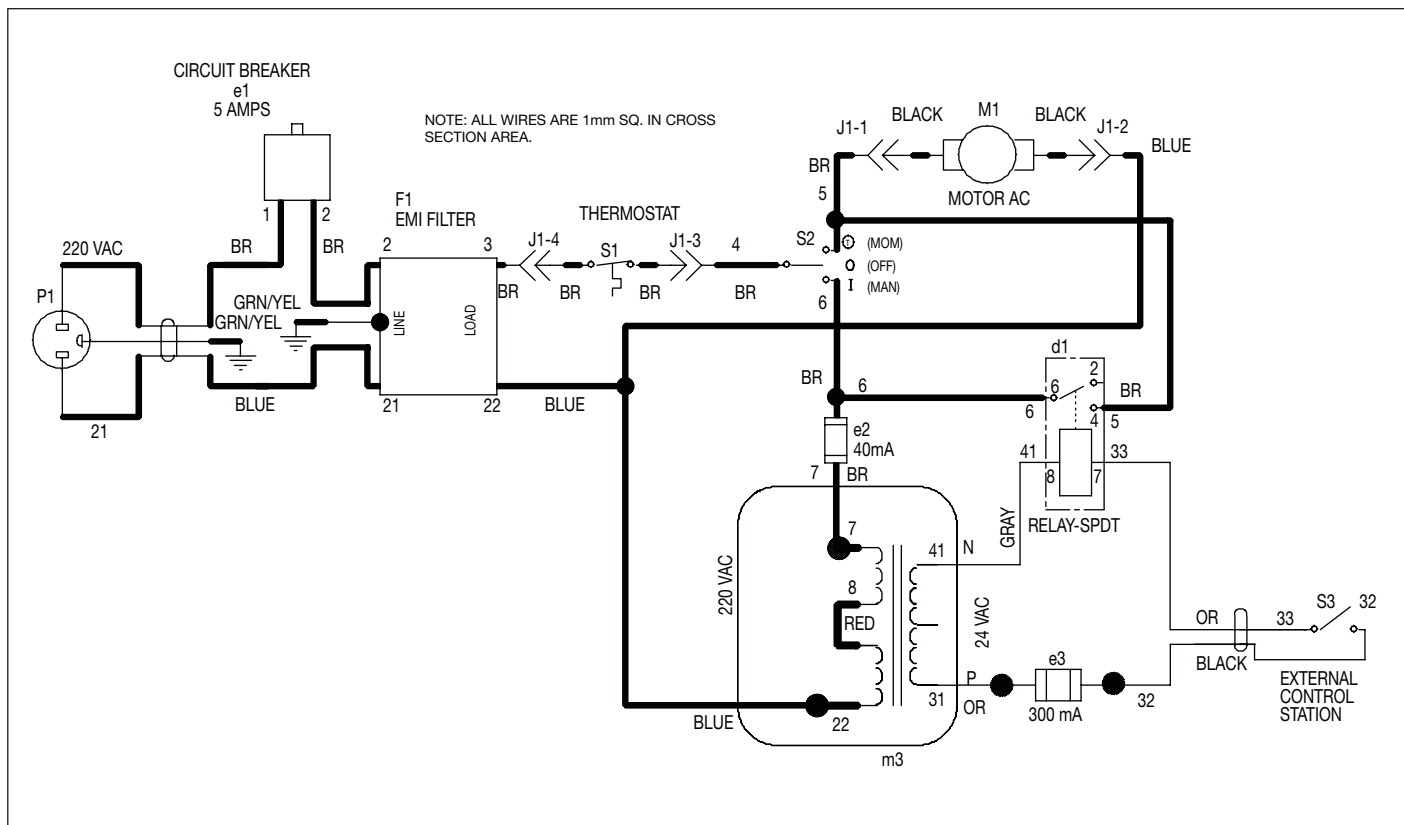


Figure 14, Electrical Schematic, PUJ Models (115V)





**Figure 15, Electrical Schematic, PUJ Models (220V)**

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	130,131	Torque to 15 to 20 ft-lbs (20 to 27 Nm).
3	138	Torque to 25-30 in-lbs (28,8 to 34,5 cm/kg). Apply Locite 242 to threads before assembly.
3	195	Torque to 6-10 ft-lbs (8,1 to 13,5 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	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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