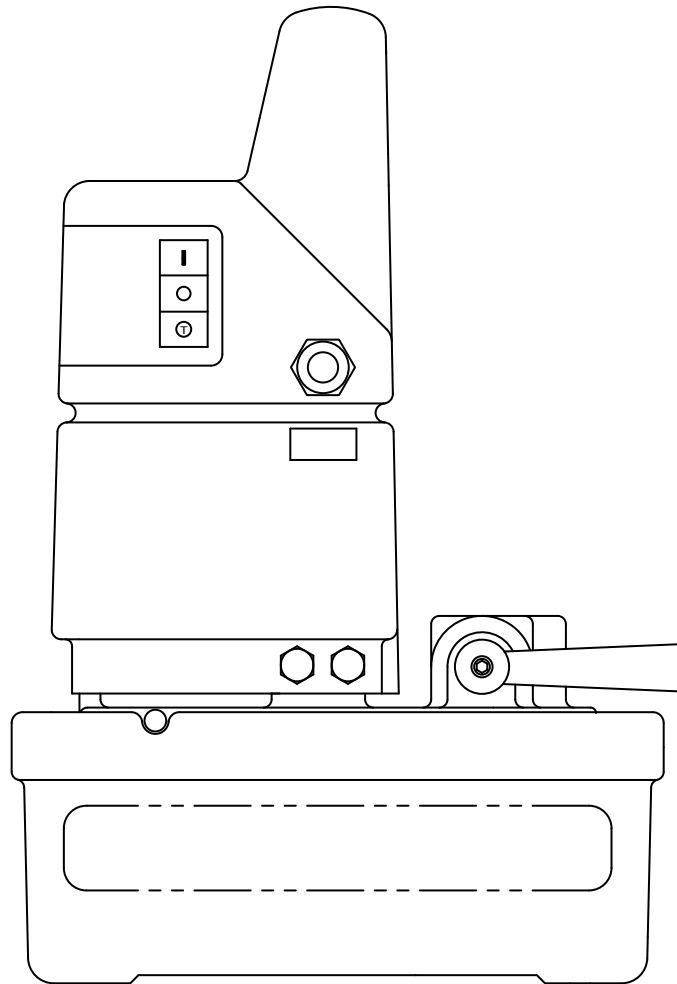




Contents:

Figure 1 - Pump Side View	2	Figure 10 - Shroud Wiring-Right of Motor.....	5
Figure 2 - Pump Front View (shroud removed).....	2	Figure 11 - Top View, Cord and Cables	6
Figure 3 - Valve and Manifold Assembly	2	Figure 12 - Remote Pendant Assembly, PUJ Models	7
Figure 4 - Pump Bottom View	2	Figure 13 - Hydraulic Schematic	8
Figure 5 - Pump Front View (assembled)	3	Figure 14 - Electrical Schematic, PUM Models (115V) ...	9
Figure 6 - Pump Top View	4	Figure 15 - Electrical Schematic, PUJ Models (115V)	
Figure 7 - Shroud Wiring-Behind Motor	5	Date Code "G"	9
Figure 8 - Shroud Wiring-Front of Motor	5	Figure 16 - Electrical Schematic, PUJ Models (115V)	
Figure 9 - Shroud Wiring-Left of Motor	5	Date Code "H"	9
		Figure 17 - Electrical Schematic, PUJ Models (230V)...	10



WARNING: Disconnect power cord from outlet before removing pump shroud or beginning any repairs.

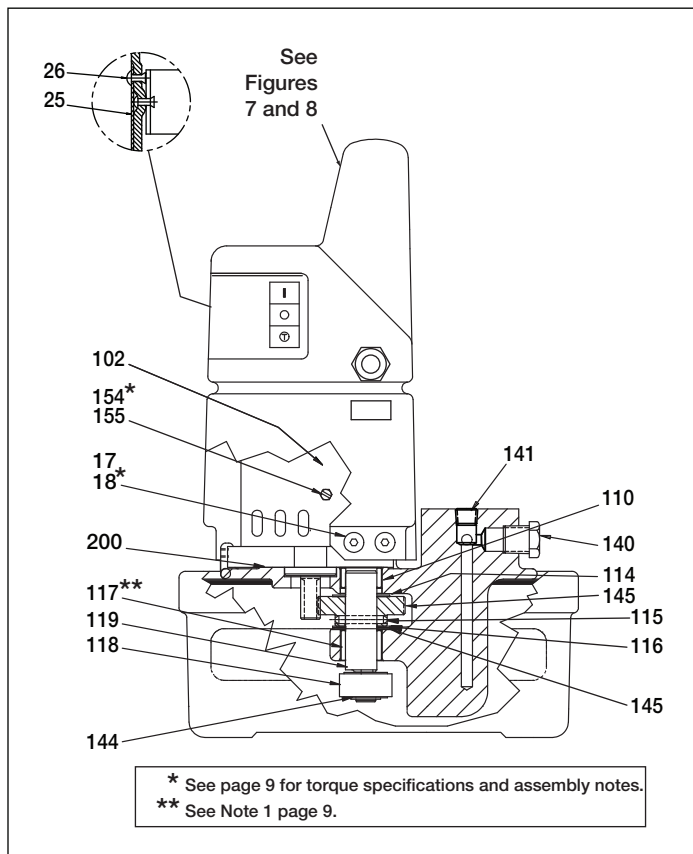


Figure 1, Pump Side View

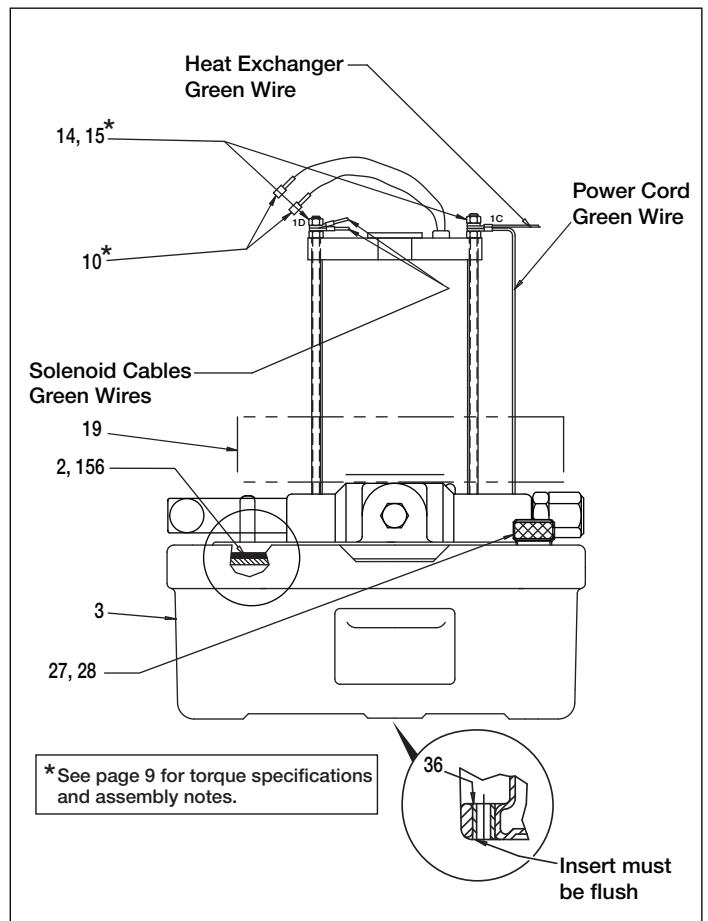


Figure 2, Pump Front View (shroud removed)

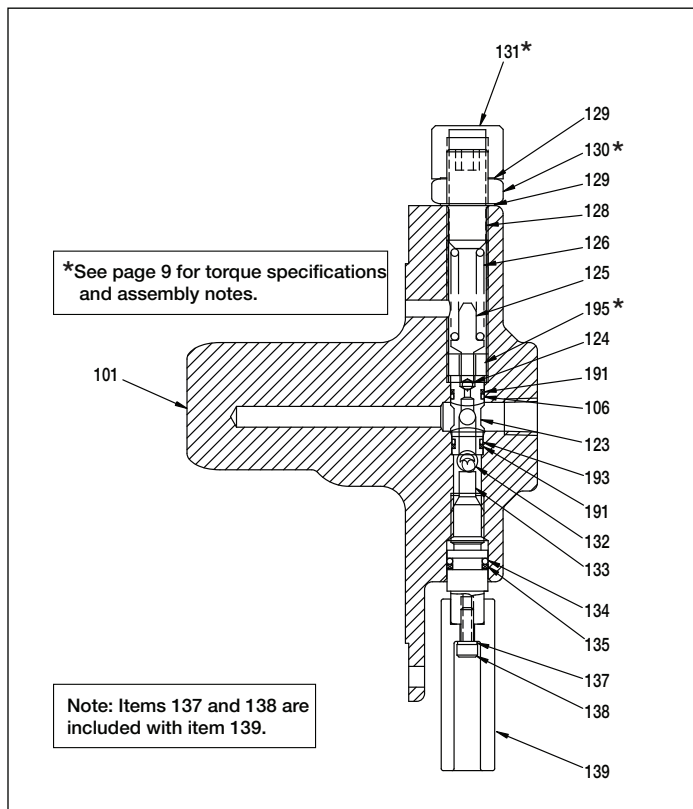


Figure 3, Valve and Manifold Assembly

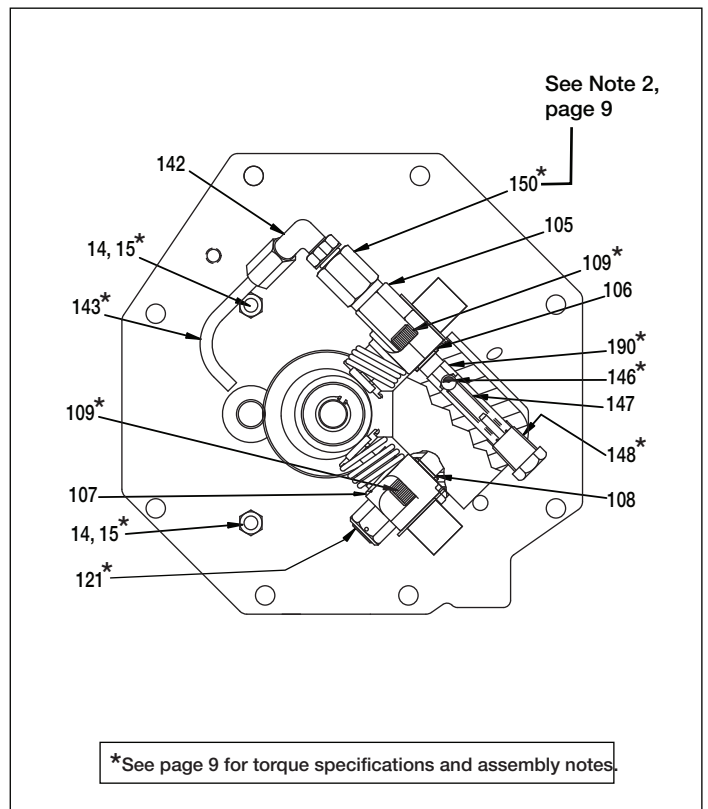


Figure 4, Pump Bottom View

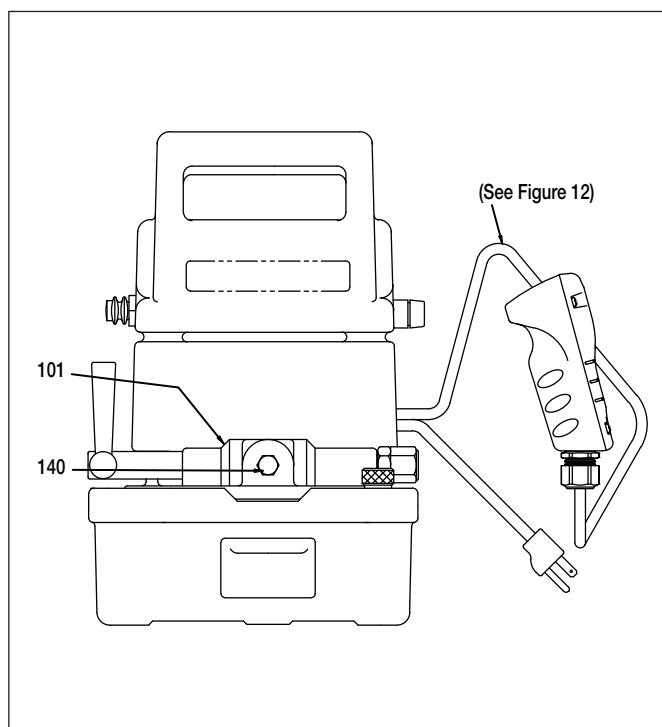


Figure 5, Pump Front View (assembled)

Repair Parts List for Figures 1 through 5

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
2	◆★ DA12088167SR	1	Gasket (Includes item 156)	125	✦ DC990900	1	Ball Guide
3	◆ DA1910900SR	1	Reservoir Assembly. 0.5 Gal.	126	★ A109164	1	Compression Spring
	◆ DA4780900SR	1	Reservoir Assembly. 1.0 Gal.	128	DA252028	1	Adjusting Screw
10	DA3776006	2	Pin	129	★ S1167	1	Gasket
14	DA15066	3	Lock Washer	130	CW306055	1	Lock Nut
15	B1018121	3	Hex Nut	131	CW307055	1	Cap Nut
17	CW261225	6	Eyelet	132	★ B1009016	1	Ball (0.312 in. dia.)
18	F866028	6	Machine Screw	133	C790010SR	1	Stem
19	CW259298	1	Baffle	134	★ B1111203	1	O-Ring, Viton
25	Contact Enerpac	1	Nameplate	135	★ B1111564	1	Washer
26	DC818003	4	Pop Rivet	137	* B1086066	1	Lockwasher
27	DA608024	1	Vent Plug	138	* B1323028	1	Screw, Socket Head
28	★ B1906503	1	O-Ring	139	* DA544070SR	1	Handle (includes items 137 & 138)
36	◆ DA931225	2	Insert	140	R515245-2	1	Plug
101	✦ DA12486840SR	1	Pump Manifold (includes # 121)	141	A1016245	1	Plug
102	CW179259	1	115 VAC Motor	142	DA1011096	1	Elbow
	DC1415259	1	230 VAC Motor (50 Hz)	143	DA261268	1	Tube
105	DD1449051SR	1	Piston Block Assembly, 14mm	144	★ CW467044	1	Retaining Ring
106	✦ ★ B1007503	1	O-Ring	145	★ DA445107	2	Bearing
107	DD1450051SR	1	Piston Block Assembly, 6mm	146	★ B1007016	1	Ball
108	★ B1012803	1	O-Ring	147	★ DA1564110	1	Spring
109	B1010028	4	Screw (incl. w/items 105 & 107)	148	✦ DC433950	1	Plug Assembly
110	CW252107	1	Bearing	150	DA610900SR	1	Relief Valve Assembly
114	CW301228	1	Driven Gear	154	★ CU876028	3	Screw (10-24)
115	★ B1097057	1	Spring Pin	155	DA3585186	3	Spacer
116	★ CW199107	1	Bearing	156	◆★ See item 2	1	Gasket
117	CW251107	1	Bearing	190	✦ DA12352290	1	Ball Seat
118	CW302107	1	Bearing	191	✦ ★ B1012565	2	Washer, Back-up
119	CW303104	1	Shaft	193	✦ ★ DC19503	1	O-Ring
121	U072286900SR	1	Relief Valve, 5,000 psi (see Fig. 4)	195	✦ DC866027	1	Lock Screw
	DA5999900SR		Relief Valve, 10,000 psi (see Fig. 4)	200	★ DC1947167	1	Gasket
123	★ DA12199290	1	Ball Seat Insert	Replacement Brushes for Electric Motor			
124	★ B1004016	1	Ball (0.156 in. dia.)	---	DA9655380	1	Brush Set for 115V Models
★ Included in Repair Kit PUJ1200BK1 ◆ Included in Reservoir Assy. Kits DA1910900SR & DA4870900SR ✦ Included in Pump Manifold Repair Kit DA12486840SR *Included in Release Valve Handle Kit DA544070SR				---	DA9656380	1	Brush Set for 230V Models

* See page 9 for torque specifications and assembly notes.

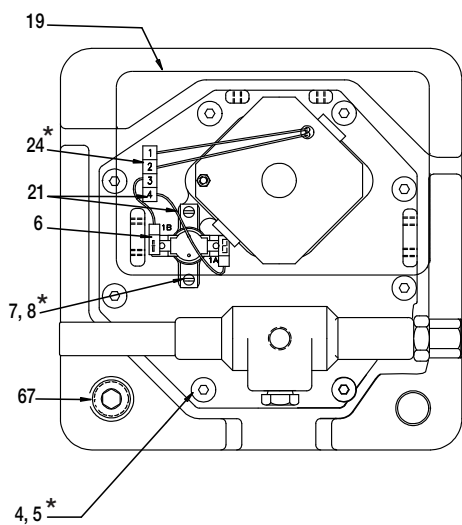


Figure 6, Pump Top View

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, 230V
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

♦ Included in Reservoir Assy. Kits DA1910900SR & DA4870900SR

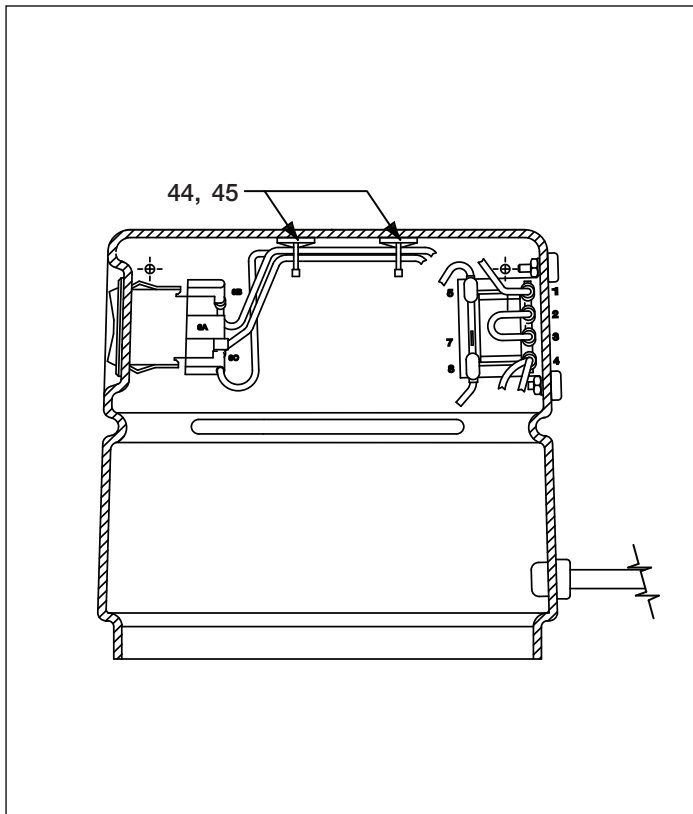


Figure 7, Shroud Wiring - Behind Motor

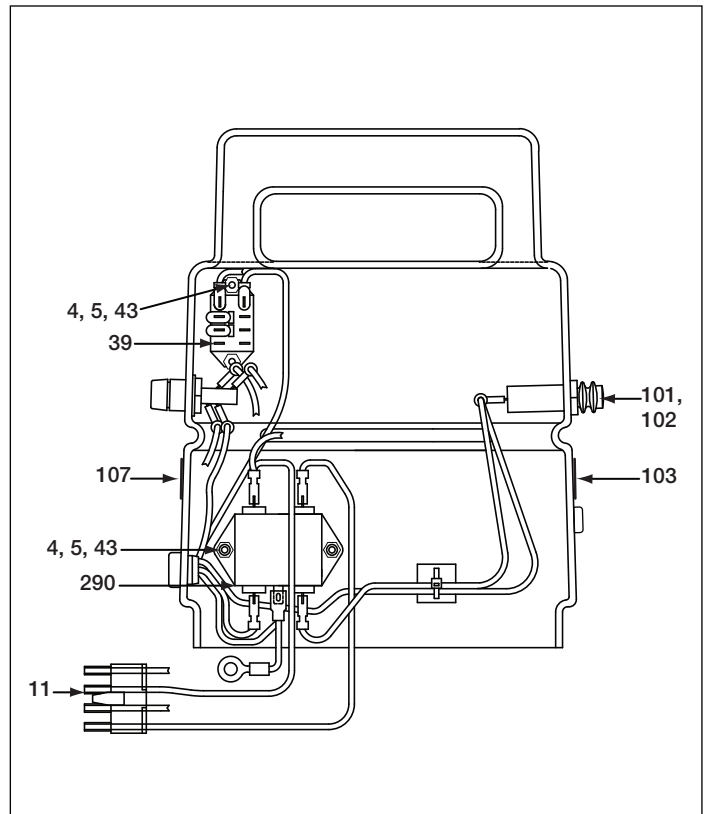


Figure 8, Shroud Wiring - Front of Motor

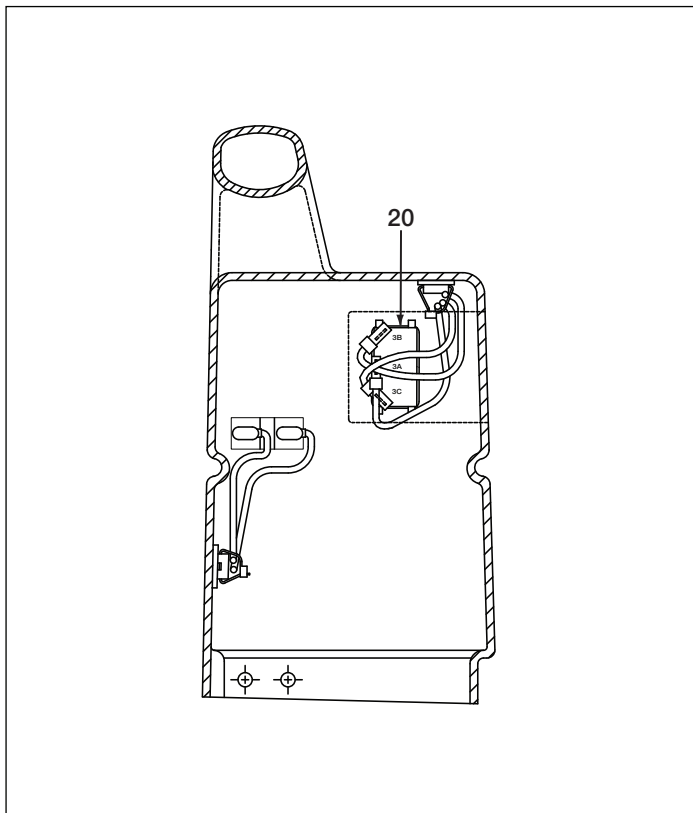


Figure 9, Shroud Wiring - Left of Motor

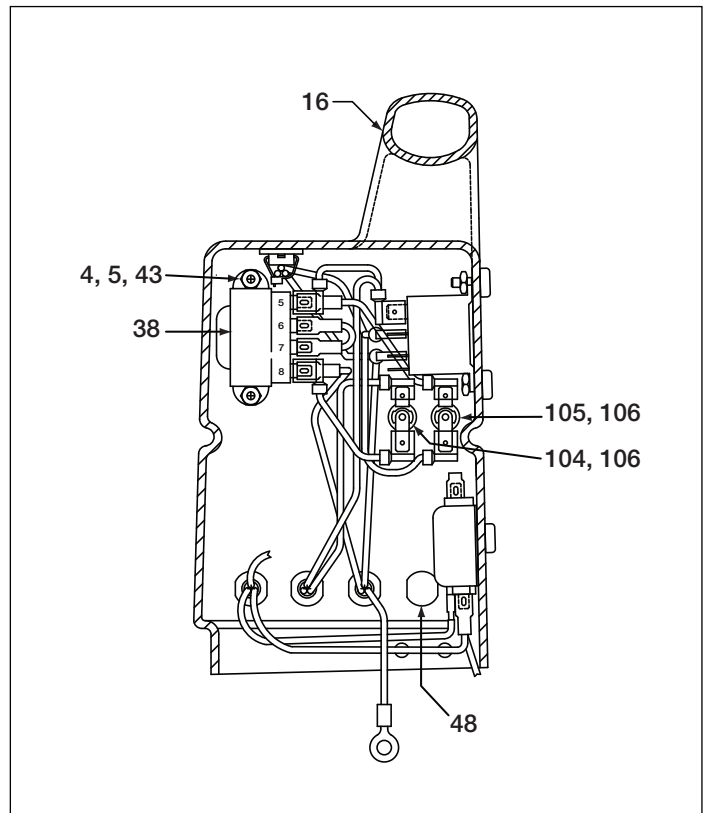


Figure 10, Shroud Wiring - Right of Motor

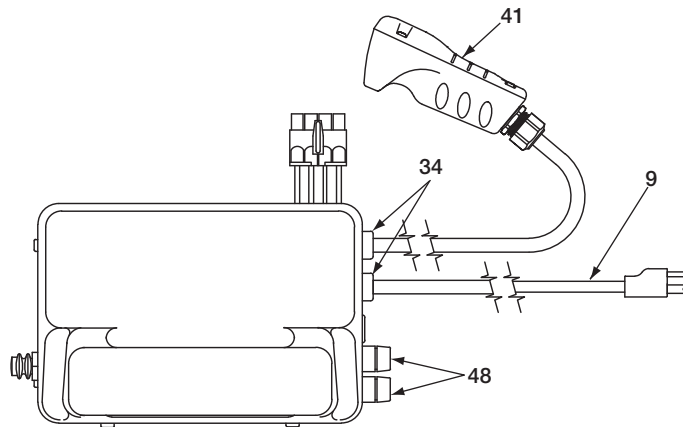


Figure 11, Top View, Cord and Cables

Repair Parts List for Figures 7 through 11

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
4	BC1310728	4	Screw (115V)	41	(See Fig. 12)	1	Pendant Assy - PUJ Only
	BC1310728	6	Screw (230V)	43	DA5974098	4	Screw Cover (115V)
5	F75021	4	Lock Nut #6-32 (115V)		DA5974098	6	Screw Cover (220V)
	F75021	6	Lock Nut #6-32 (230V)	44	EHC3901075	3	Tie Down, Self Adhesive
9	DC7954960SR	1	Power Cord (115V)	45	DA3131217	4	Cable Tie
	DC10008960SR	1	Power Cord (230V)	48	DA3731009	2	Hole Plug
11	DA11539380	1	Receptacle	101	DC8366380	1	Circuit Breaker (115V)
16	DC10035098	1	Shroud - PUM Models		DC8367380	1	Circuit Breaker (230V)
	DC10037098	1	Shroud - PUJ Models (115V)	102	DC8200380	1	Circuit Breaker Reset Cap
	DC10036098	1	Shroud - PUJ Models (230V)	103	DC8237023	1	Circuit Breaker Decal
20	E1500002	1	Switch	104	DC8371378	1	Secondary Fuse, 300mA
34	CR759291	2	Cord Bushing	105	DC8370378	1	Primary Fuse, 62mA (115V)
38	DA5875380	1	Transformer		DC8400378	1	Primary Fuse, 40mA (230V)
39	E1300008	1	Relay, D1, Black Housing 115V PUJ models with Date Code "G"	106	DC8372378	2	Fuse Holder
	DD2668380	1	Relay, D1, Clear Housing 115V PUJ models with Date Code "H"	107	DC7891026	1	Fuse Decal
	DC8280980	1	Relay, D1 All 220V PUJ models	290	DC8365380	1	EMI Filter (230V only)

Note: For replacement shroud assembly:

- Model PUM1200B only: Order Repair Kit DC7942900SR.
- PUJ Models, 115V: Order Repair Kit DC7933900SR.
- PUJ Models, 230V: Order Repair Kit DC7934900SR.

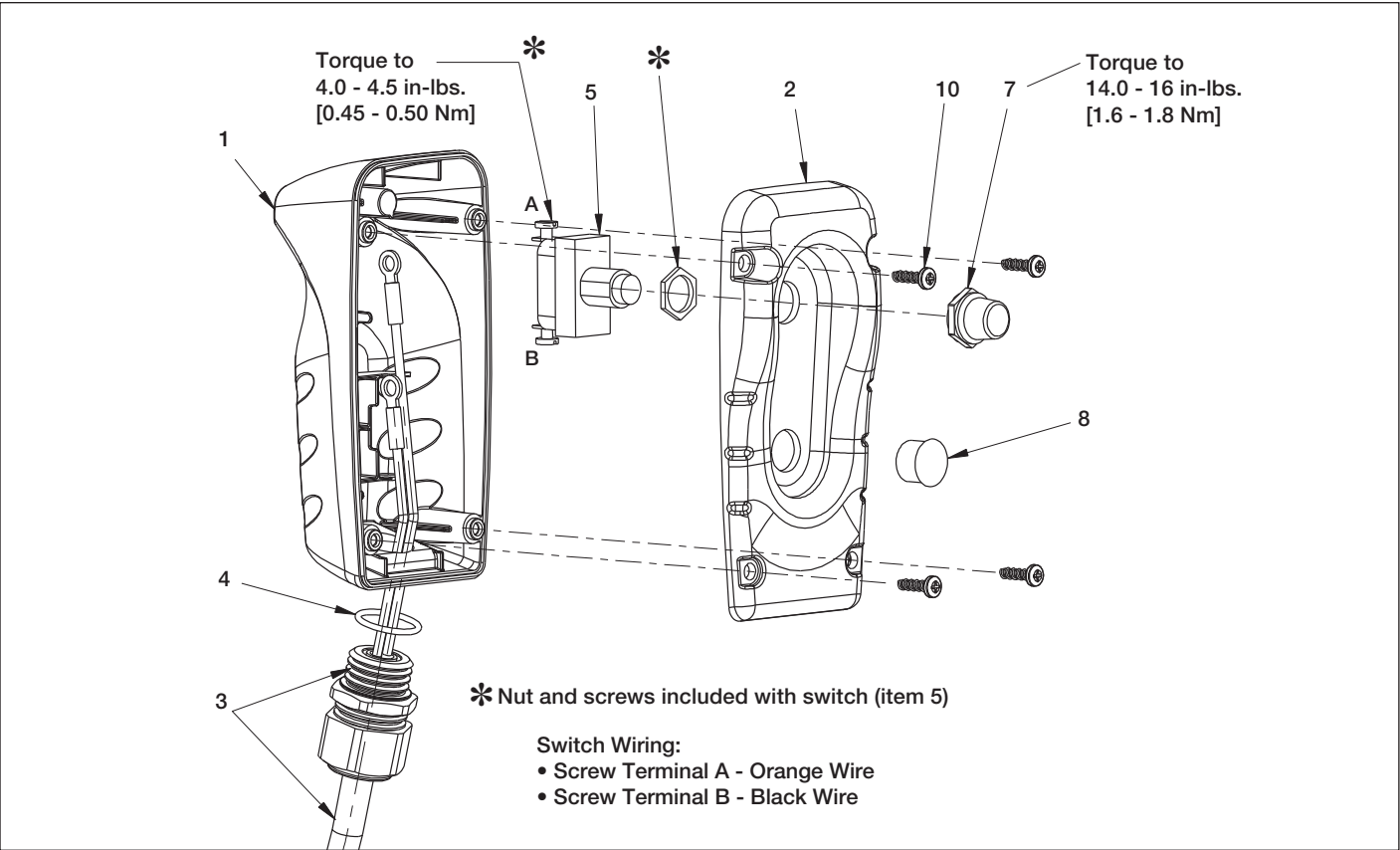


Figure 12, Remote Pendant Assembly, PUJ Models

Repair Parts List for Figure 12							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	❖ DC9425424	1	Pendant Enclosure	5	❖ DC8282379	1	Switch, Push Button, NO
2	❖ DC8122424	1	Pendant Housing	7	❖ DC8284379	1	Boot
3	❖ DD1053960	1	Cord Assembly	8	❖ DC8228009	1	Plug, Dome 1/2"
4	❖ B1223503	1	O-Ring	10	❖ DC9428008	4	Screw, Hi-Lo, #8X
❖ For complete replacement pendant assembly, order part number DD1048900SR (includes all parts shown above). IMPORTANT: 115V models with Date Code "H" only: If your shroud assembly has a clear relay (see Figure 8, item #39) remove the 3/16" female quick-disconnect connector from the orange wire (wire #33) and replace it with a 1/4" female quick-disconnect connector.							

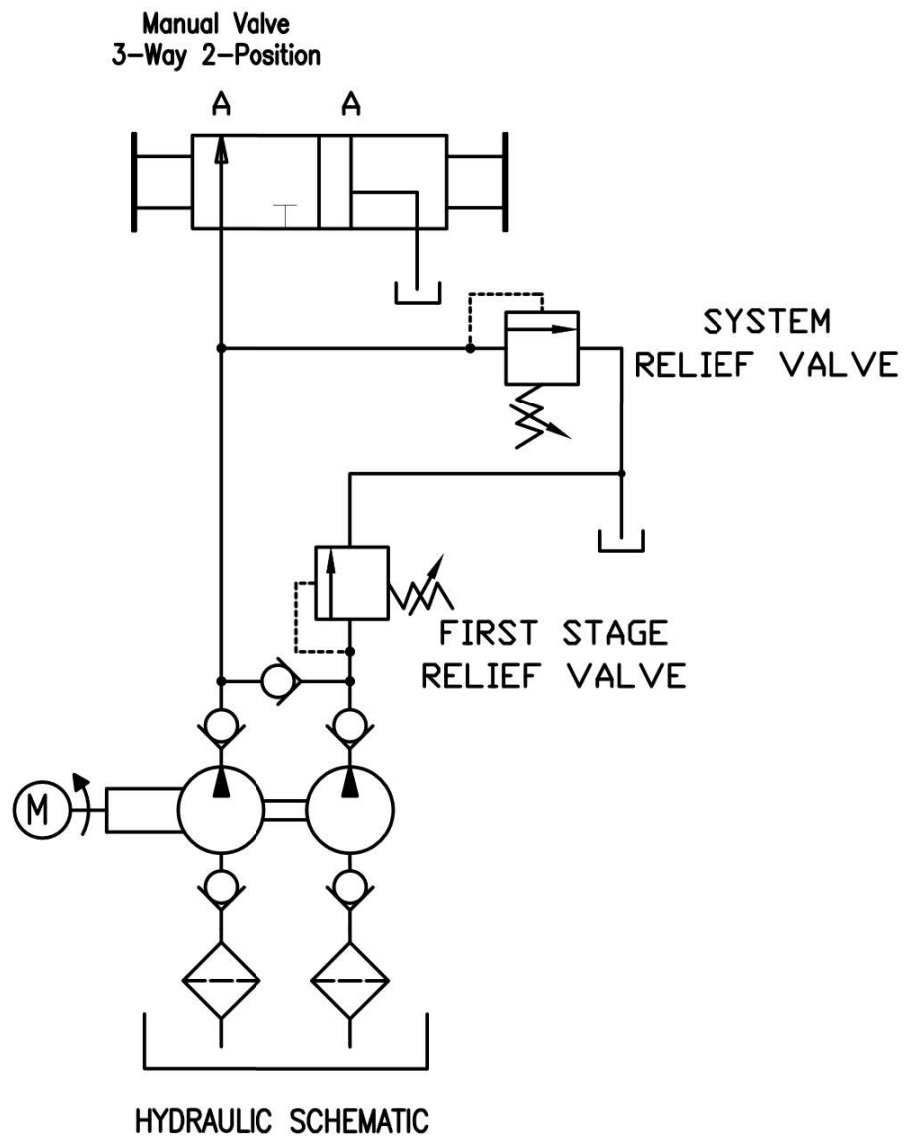


Figure 13, Hydraulic Schematic

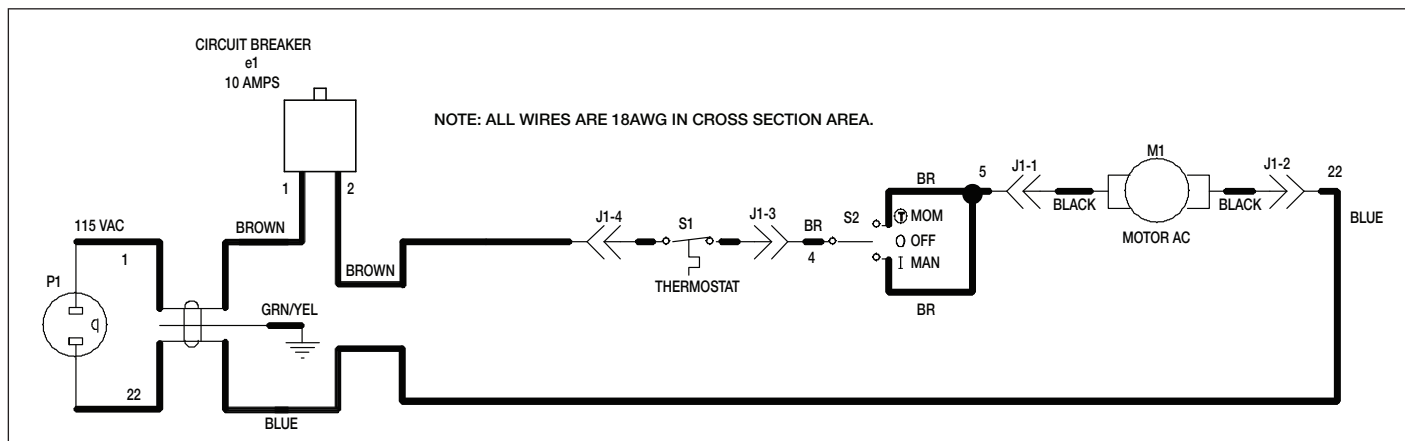


Figure 14, Electrical Schematic, PUM Models (115 V)

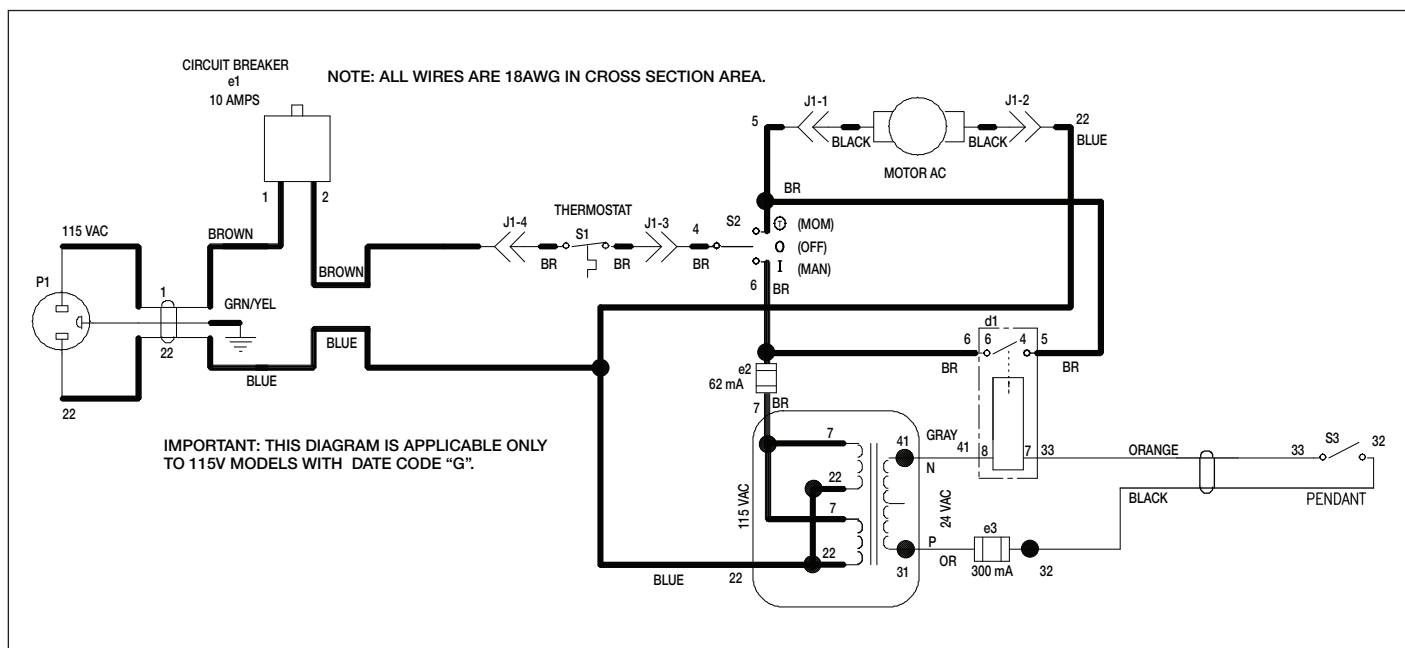


Figure 15, Electrical Schematic, PUJ Models (115V) - Date Code "G"

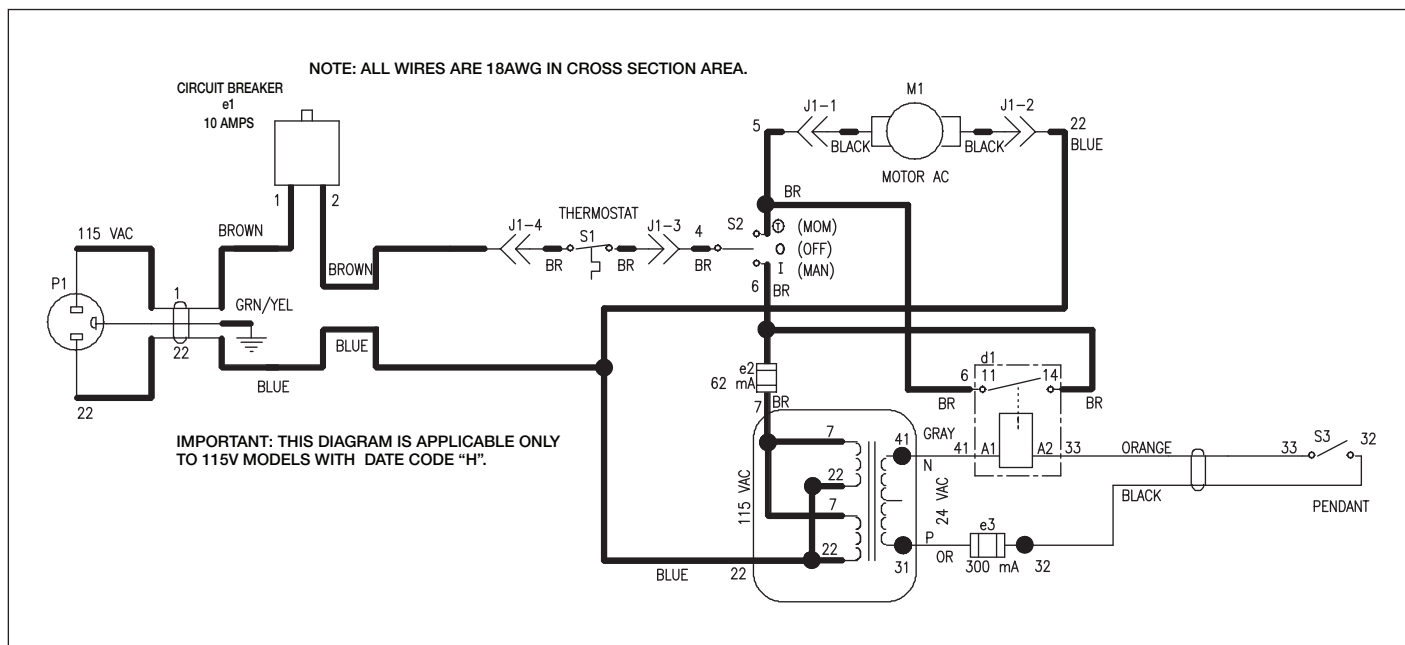


Figure 16, Electrical Schematic, PUJ Models (115V) - Date Code "H"

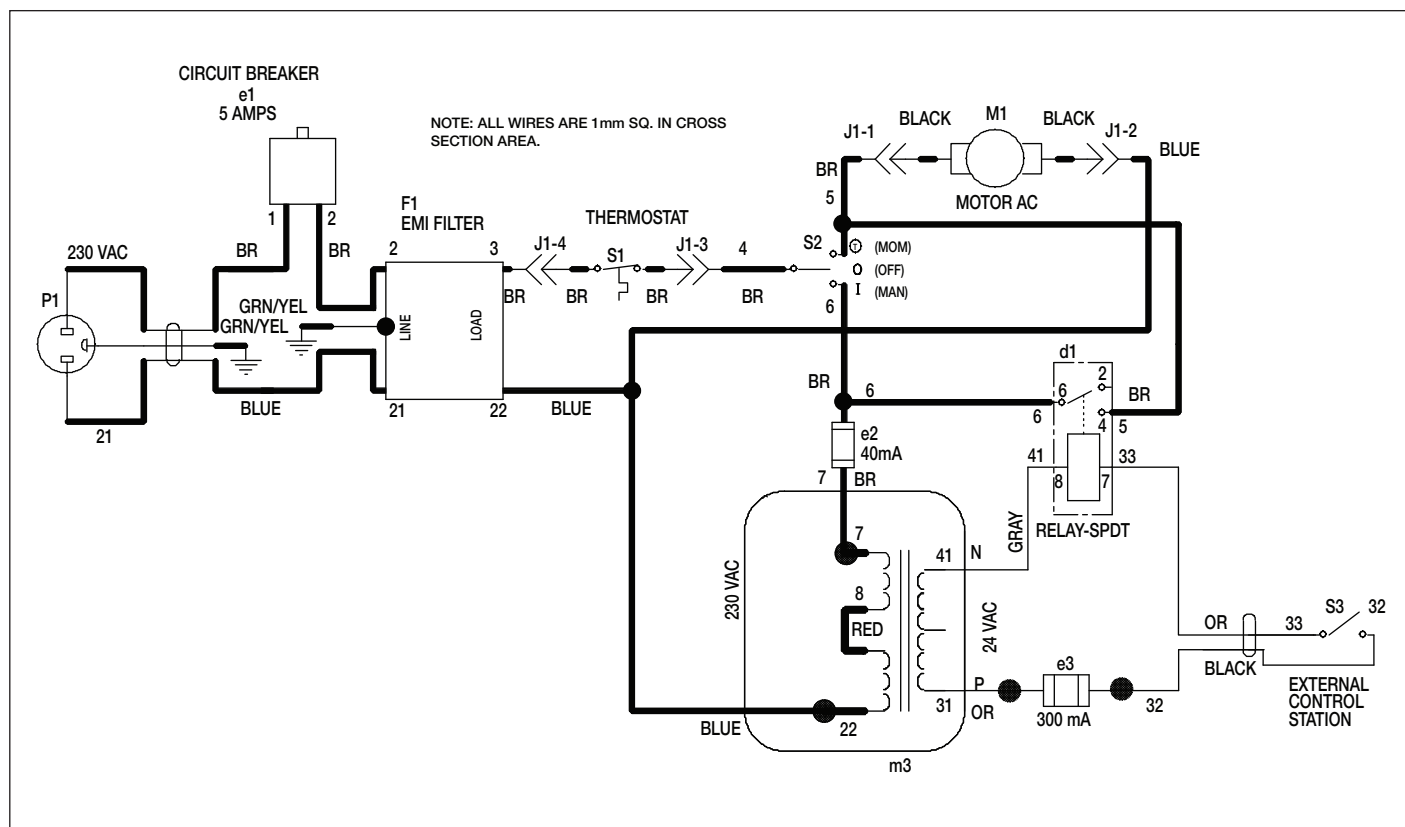


Figure	Item No.	Torque Specification and/or Assembly Notes
1	18	Apply 1 drop Loctite #242 to threads. Torque to 12 to 18 in-lbs (1,4 to 2,0 Nm).
1	154	Torque to 27-31 in-lbs (3,1 to 3,5 Nm).
1	Note 1	Install bearing, Item 117, flush to 0.010" (2,54 mm) recessed from surface.
2	10	Trim wire length to 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.
12	3, 5	Connect black wire of pendant cord (labeled "32") to terminal "A" of switch. Connect orange wire of pendant cord (labeled "33") to terminal "B" of switch.
12	5	Torque switch screw terminals to 5.0-5.5 in-lbs (0,56-0,62 Nm) after making connections.
12	7	Torque to 14-16 in-lbs (1,6-1,8 Nm).

NOTES

This image shows a single page 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.

