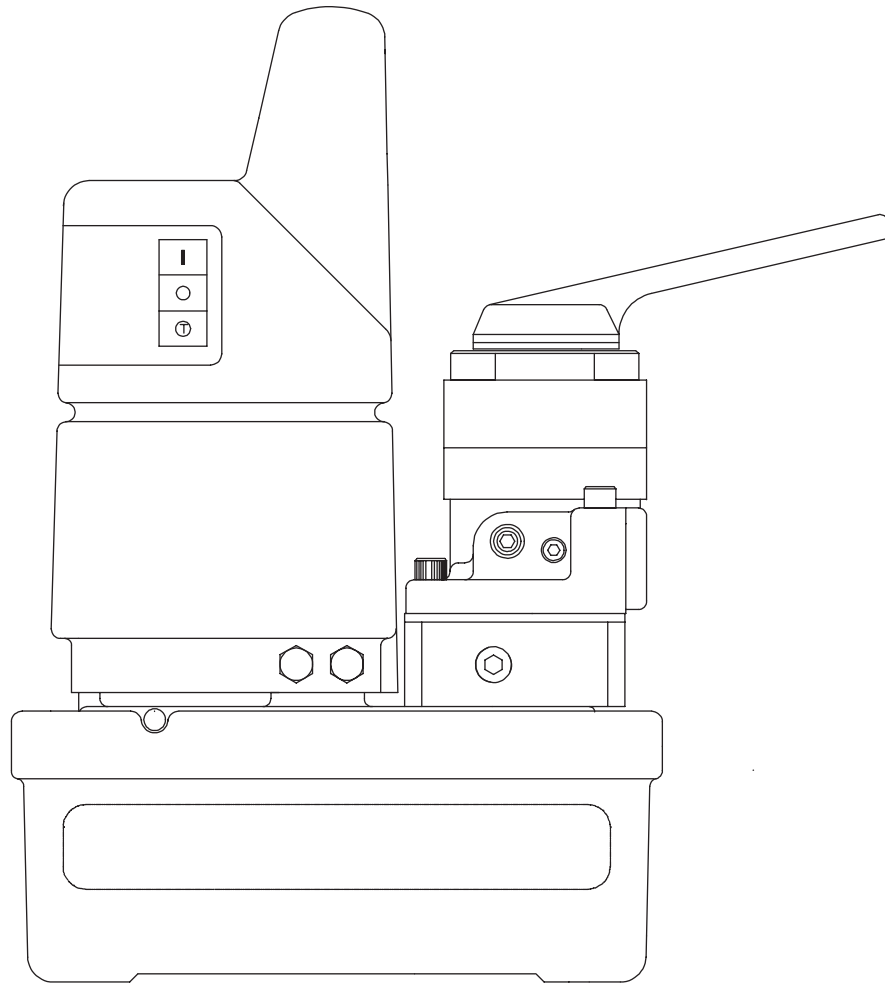




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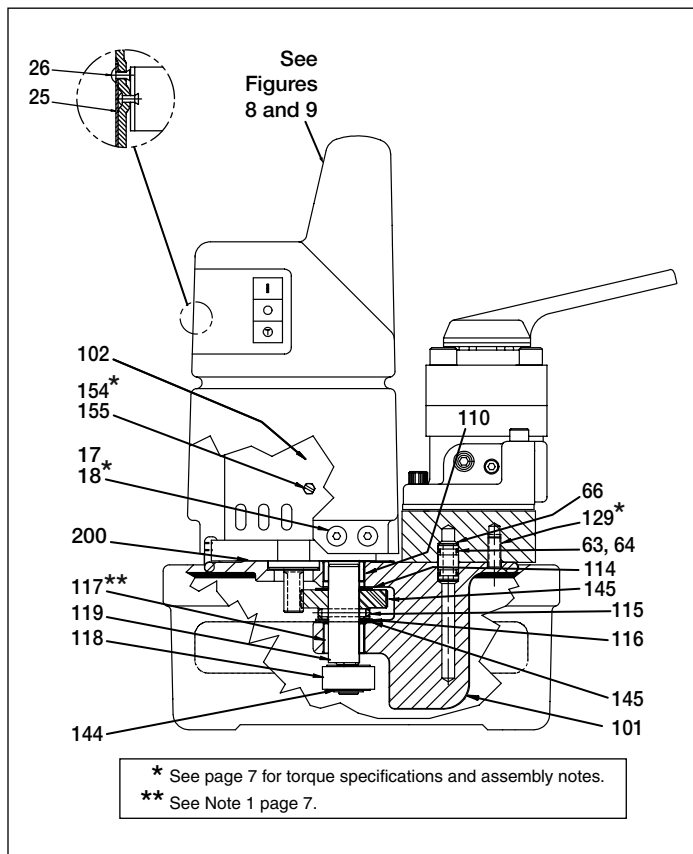


Figure 1, Pump Side View

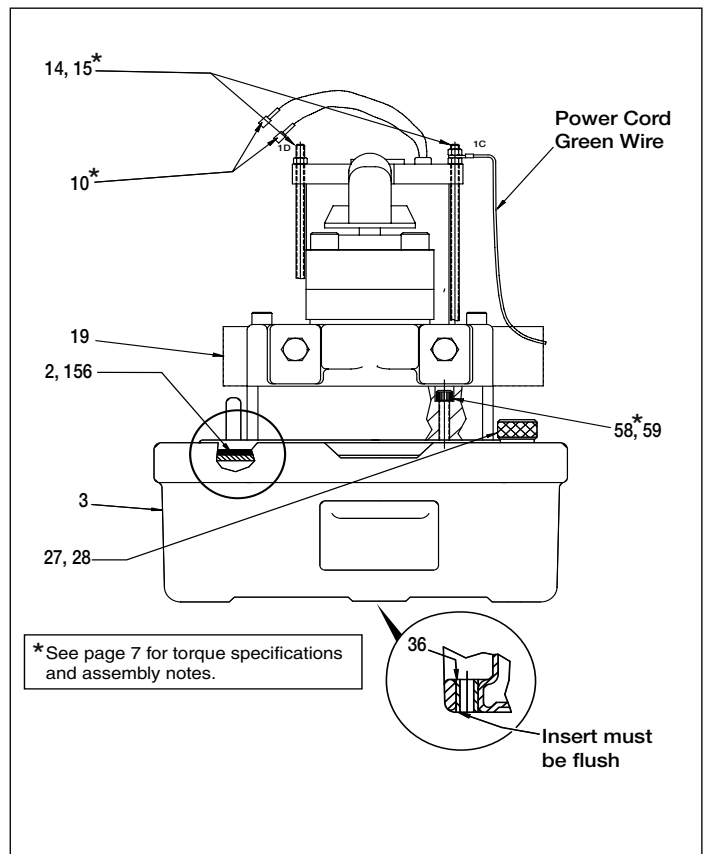


Figure 2, Pump Front View (shroud removed)

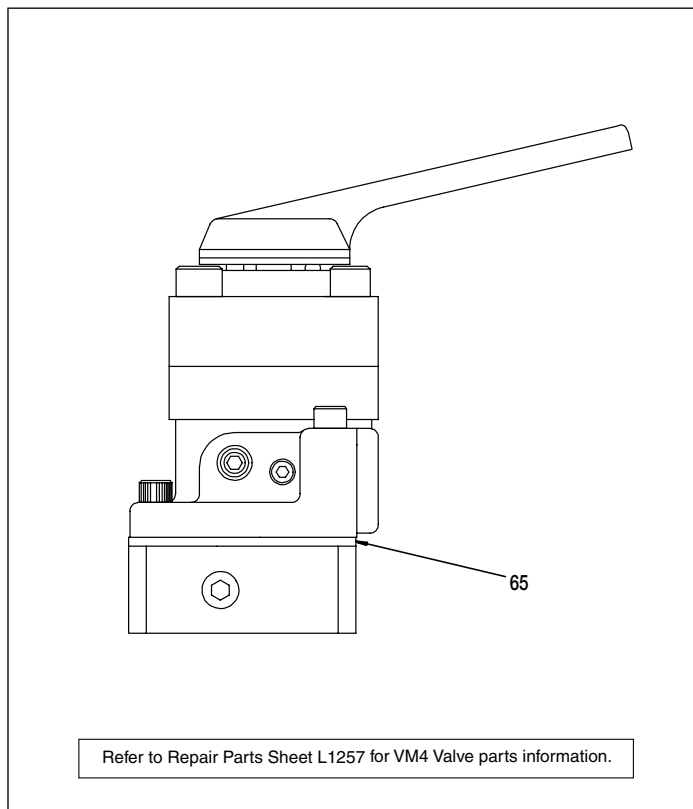


Figure 3, Valve Assembly, VM4

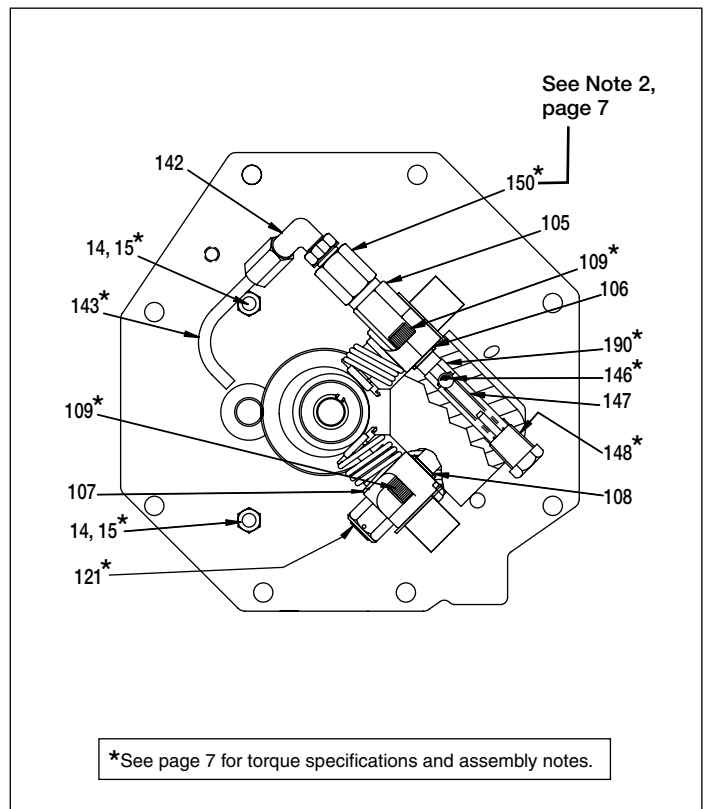


Figure 4, Pump Bottom View

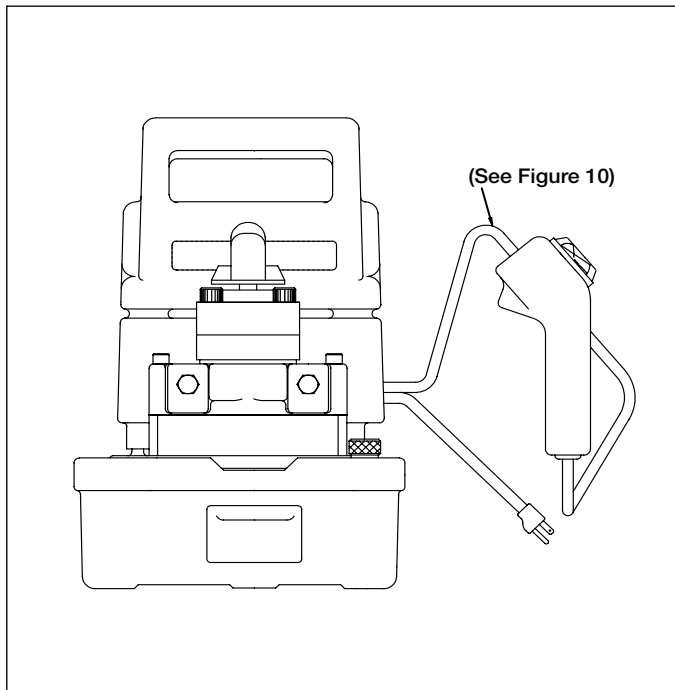


Figure 5, Pump Front View (assembled)

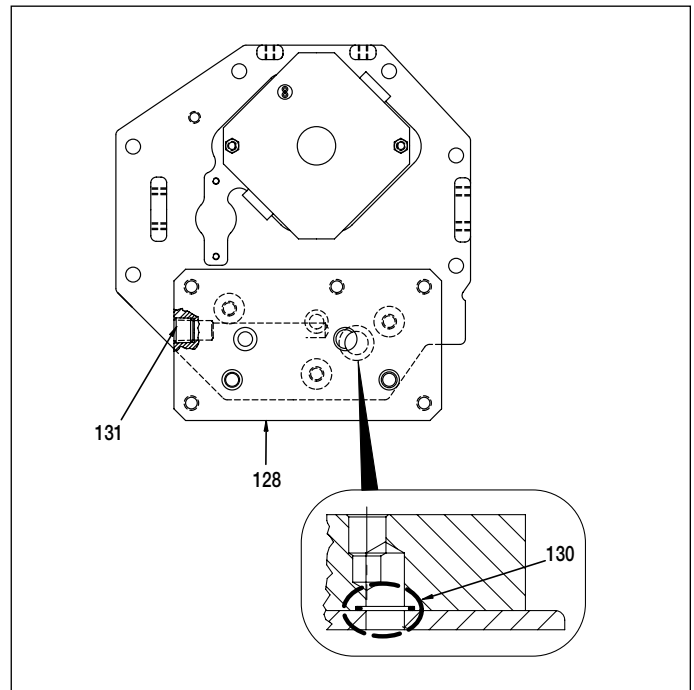


Figure 6, Adaptor Block Details

Repair Parts List for Figures 1 through 6

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
58	B1019028	2	Screw
59	★S3037	2	Gasket
63	★B1007503	5	O-Ring
64	★B1012564	4	Ring, Back-up
65	★F786167	1	Gasket
66	C162096	1	Connector
101	DA12487840SR	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

Item	Part Number	Qty.	Description
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)
128	CW522038	1	Adaptor Block
129	DA3012023	3	Screw
130	★B1206517	1	Square Ring
131	DC6794245	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
200	★DC1947167	1	Gasket

Replacement Brushes for Electric Motor

- - -	DA9584380SR	1	Brush Set for 115V Models
- - -	DA9585380SR	1	Brush Set for 220V Models

★ Included in Repair Kit PUJ1400BK

*See page 7 for torque specifications and assembly notes.

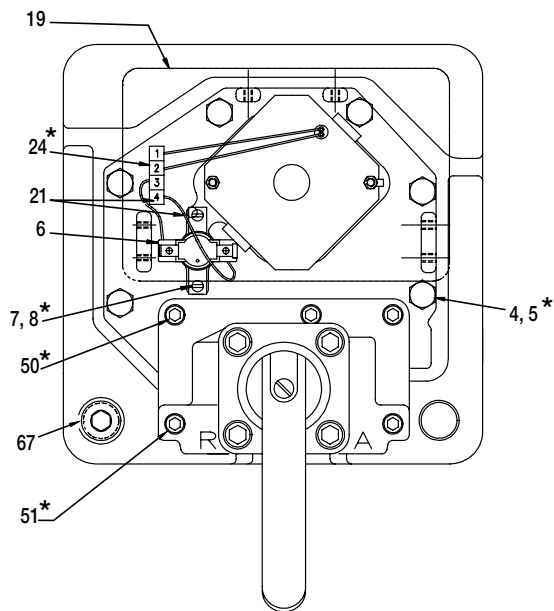
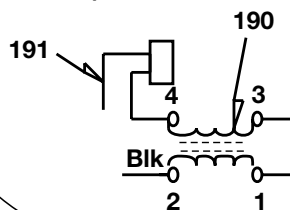


Figure 7, Pump Top View

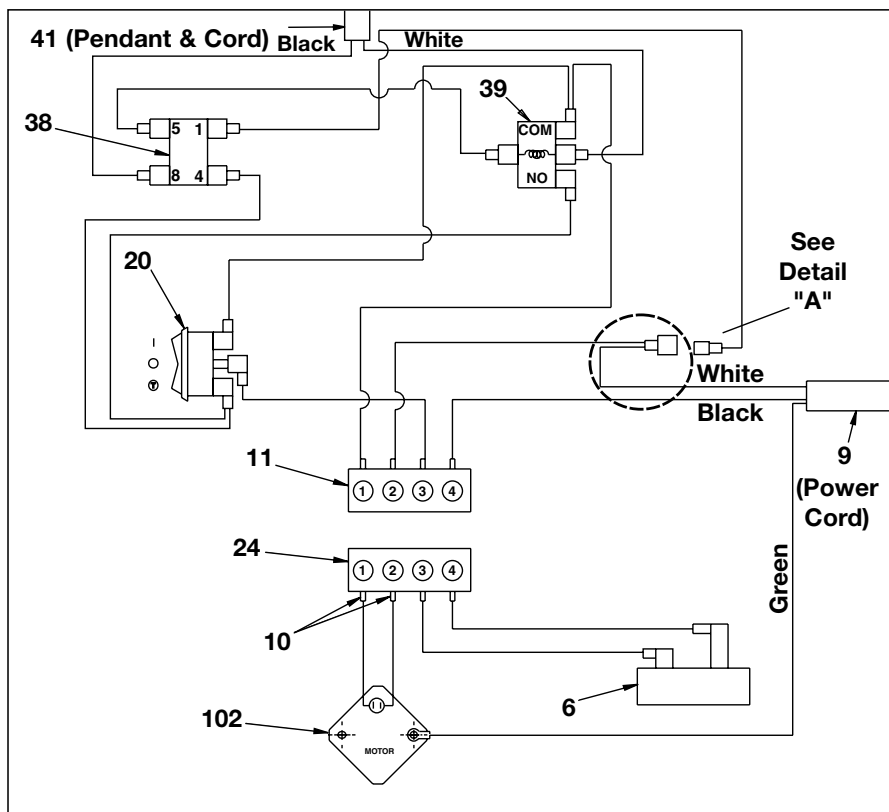
Repair Parts List for Figure 7

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
50	B1349028	3	Screw
51	B1357028	2	Screw
67	A1009245	1	Plug

220 VAC Wiring (For "E" Versions)



Detail "A"



Wiring Diagram Notes:

Items 10 and 102: See main parts list on page 3 for part numbers.

Item 6: See Figure 7 parts list (above) for part number.

For all other components shown on wiring diagram: See parts list on page 5.

Figure 8, Wiring Diagram

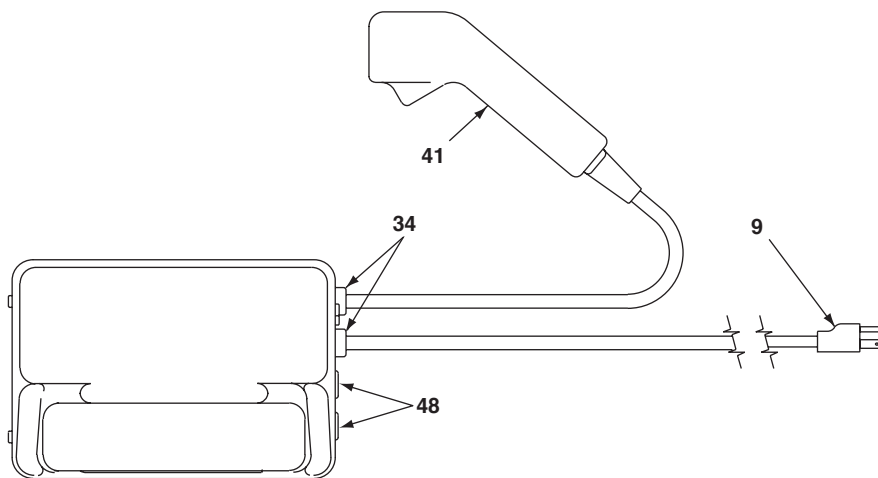


Figure 9, Top View, Cord and Cables

Repair Parts List for Figures 8 and 9

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
9	DA3709900SR	1	Power Cord, 115V	34	CR759291	2	Cord Bushing
	DA3728900SR	1	Power Cord, 220V	39	E1300008	1	Relay
11	DA11539380	1	Receptacle	41	CR881900SR	1	Remote Pendant
20	E1500002	1	Switch	48	DA3731009	2	Hole Plug
21	DA3712900SR	2	Wire Assembly	102	CW179259	1	Motor, 115V
24	DA11540380	1	Plug		DC1415259	1	Motor, 220V
38	E300006	1	115V/24V Transformer	190	DC374900	1	Choke Assembly, 220V
	E300007	1	220V/24V Transformer	191	DC388900	1	Wire Assembly, 220V
Note: For replacement shroud assembly: • 115V Models: Order Repair Kit DC7933900SR. • 220V Models: Order Repair Kit DC7934900SR.							

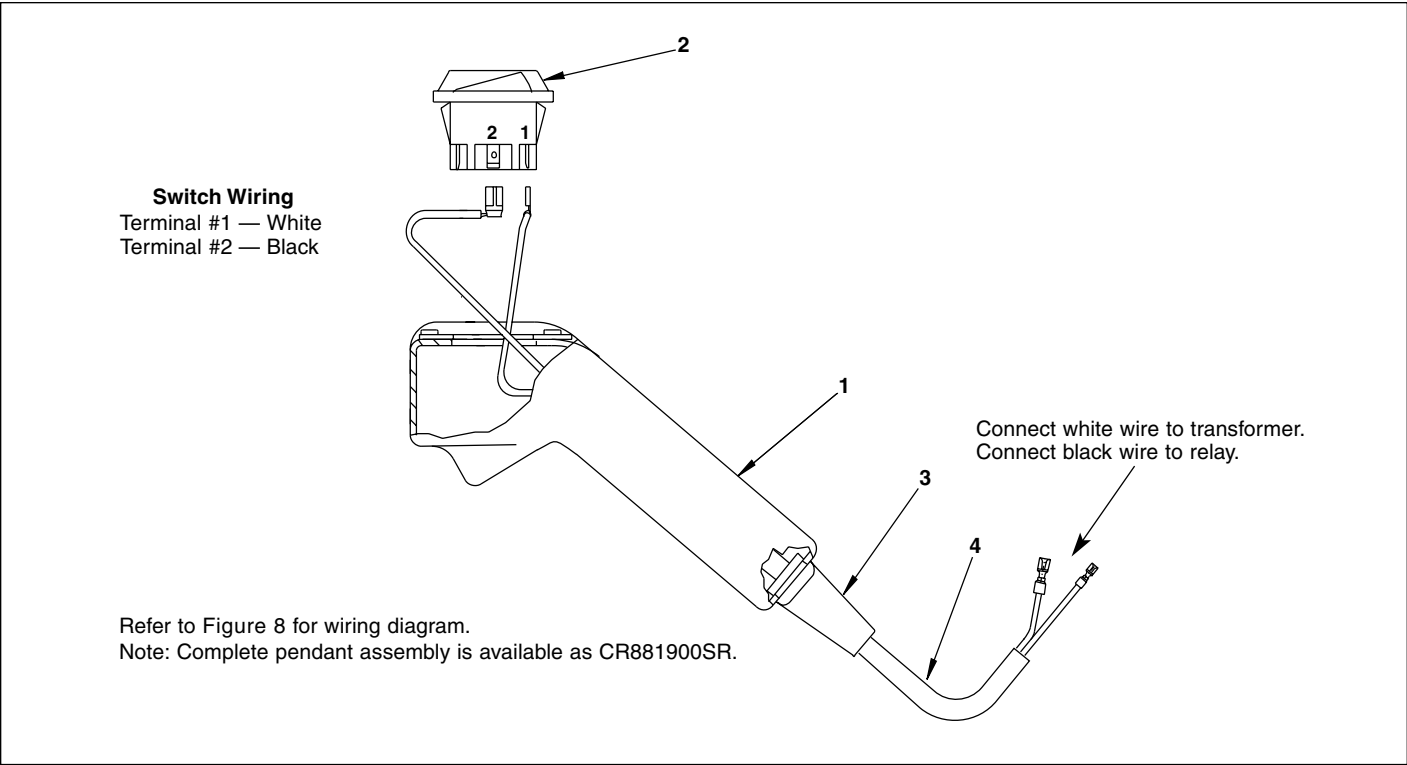


Figure 10, Remote Pendant Assembly

Repair Parts List for Figure 10							
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	CR880950SR	1	Wire Assembly (incl item #3)

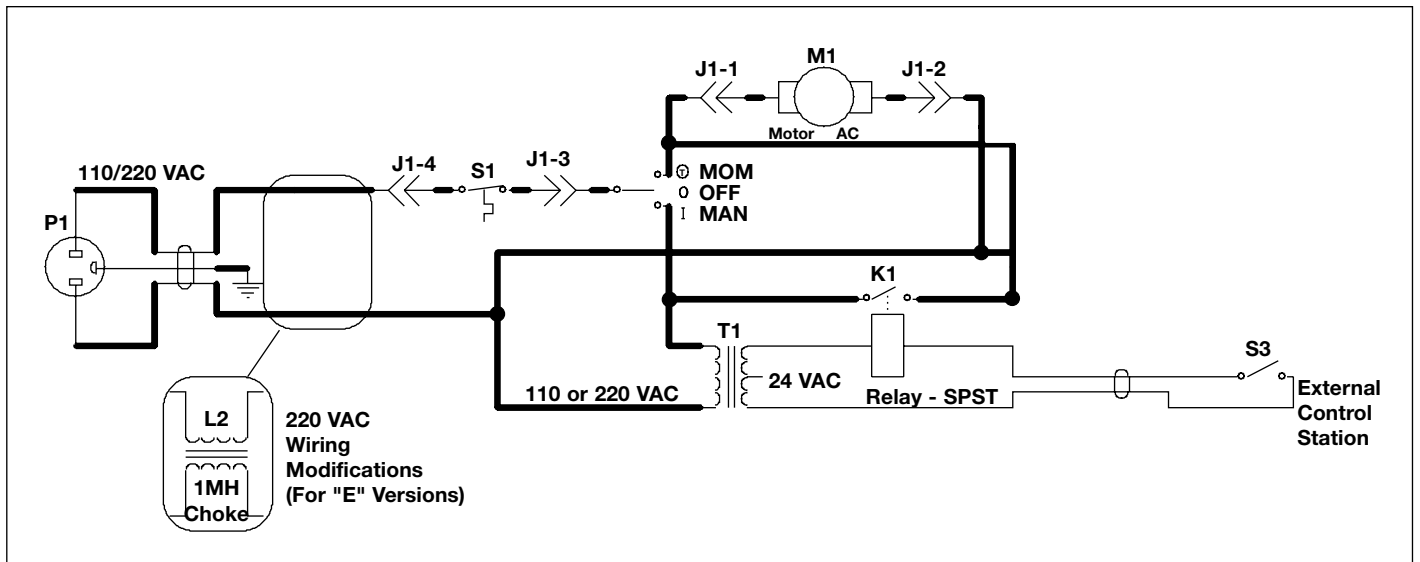


Figure 11, Electrical Schematic

Figure	Item No.	Torque Specification and/or Assembly Notes
1	18	Apply 1 drop Loctite #242 to threads. Torque to 12-18 in-lbs (1,4-2,0 Nm).
1	154	Torque to 27-31 in-lbs (3,1-3,5 Nm).
1	129	Torque to 19-21 ft-lbs (2,7-2,9 m/kg).
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 27-31 in-lbs, (3,1-3,5 Nm).
2	58	Torque to 35-42 in-lbs (41,5-48,4 cm/kg).
4	15	Torque to 27-31 in-lbs (3,1-3,5 Nm).
4	109	Torque to 14-16 ft-lbs, dry (19,0-21,7 Nm).
4	121	Torque to 16-19 ft-lbs, dry (21,7-25,8 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.
7	5	Torque to 47-53 in-lbs (5,3-6,0 Nm). Use Loctite #242 on item #5.
7	8	Torque to 9-12 in-lbs (1,0-1,3 Nm).
7	24	Attach to receptacle on shroud.
7	50	Torque to 11-13 ft-lbs (1,5-1,8 m/kg).
7	51	Torque to 11-13 ft-lbs (1,5-1,8 m/kg).

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