

Pow'r Riser Lifting Jacks PR Series - 150 Ton Electric Models

L54718 Rev. J 09/26

For Date Codes Beginning with the Letter "B" thru "C"

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.

Note: This illustration is for reference only.
The appearance of your unit may differ from
the unit shown.

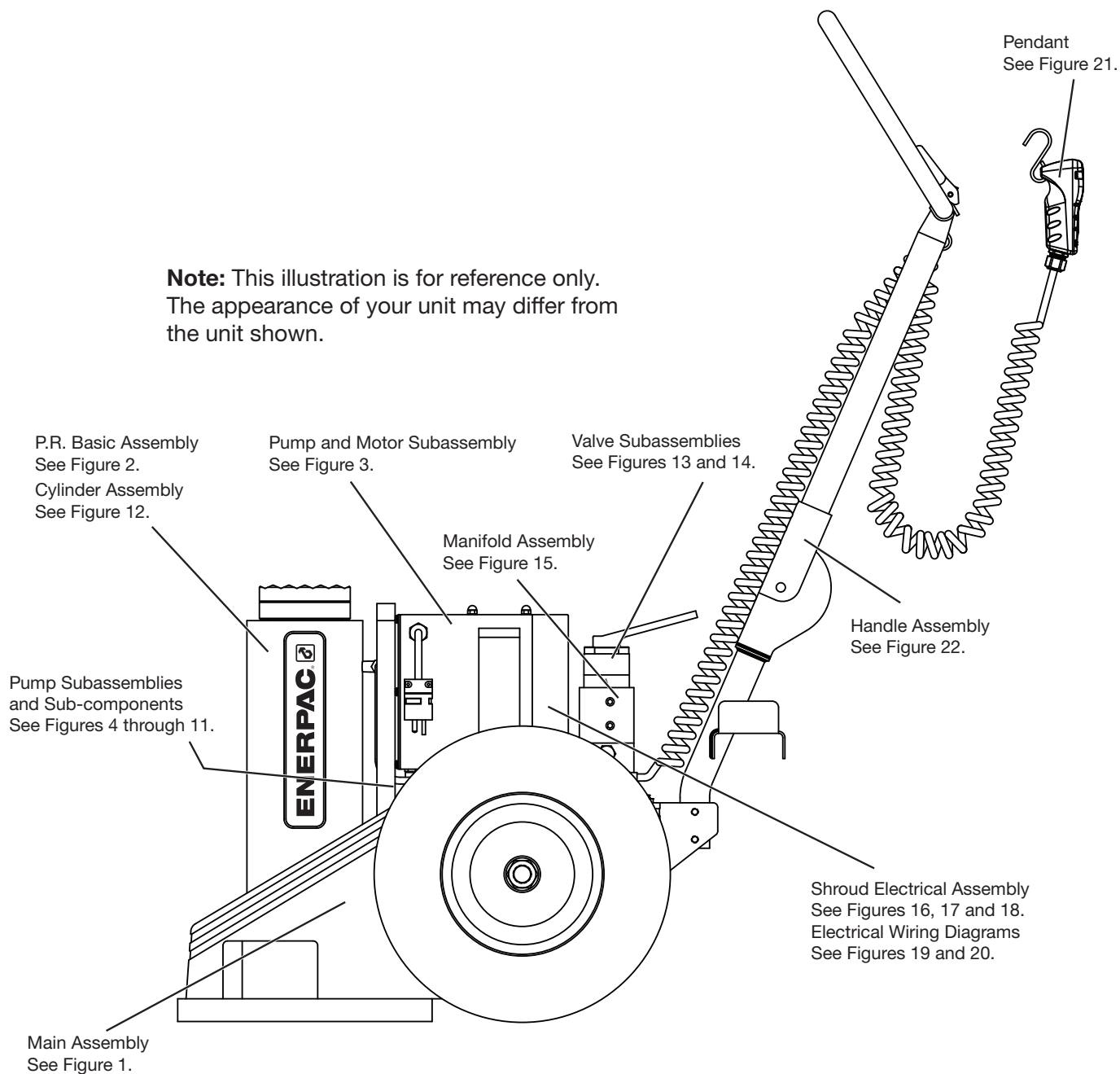
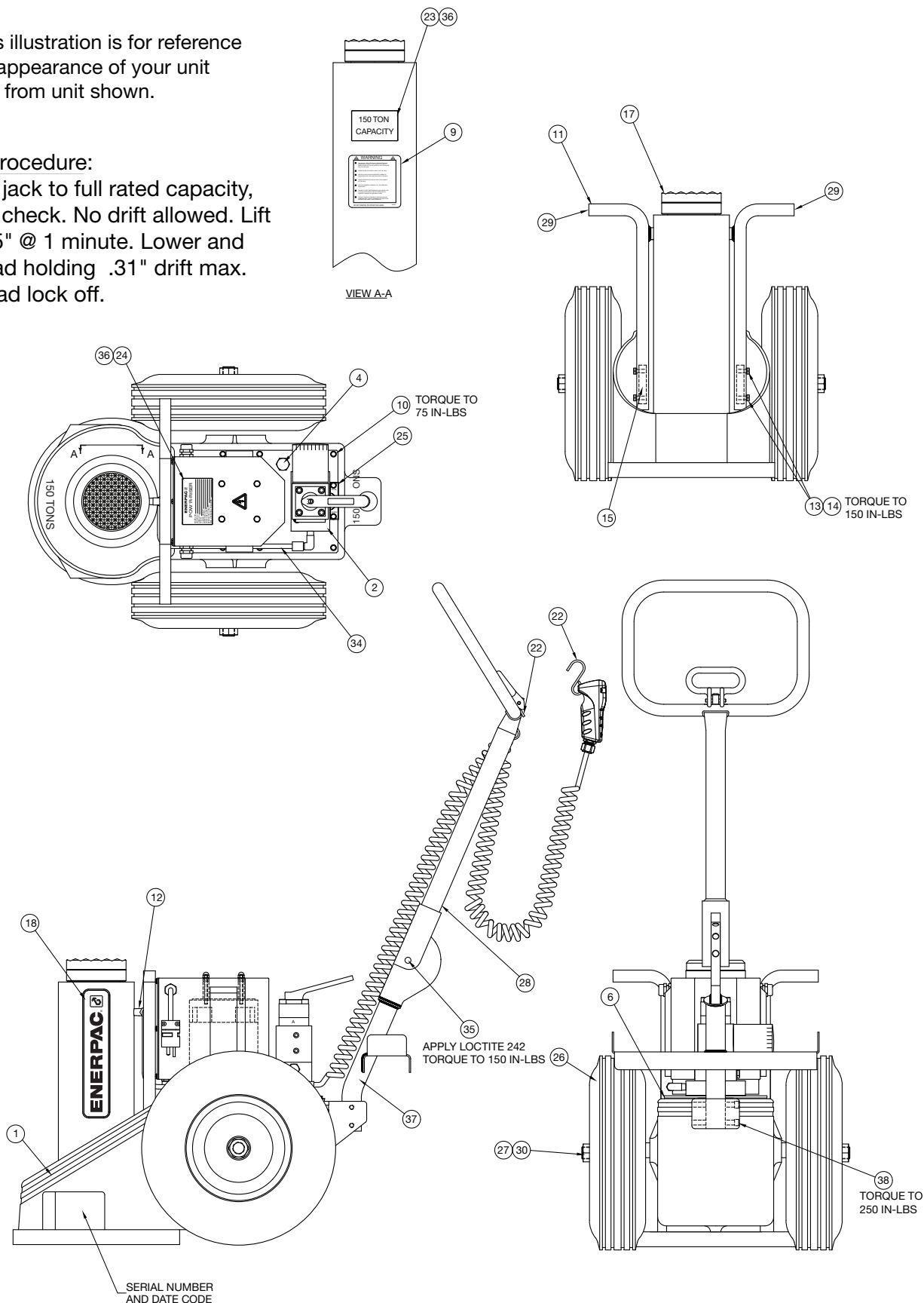


Figure 1 - Main Assembly

Note: This illustration is for reference only. The appearance of your unit may differ from unit shown.

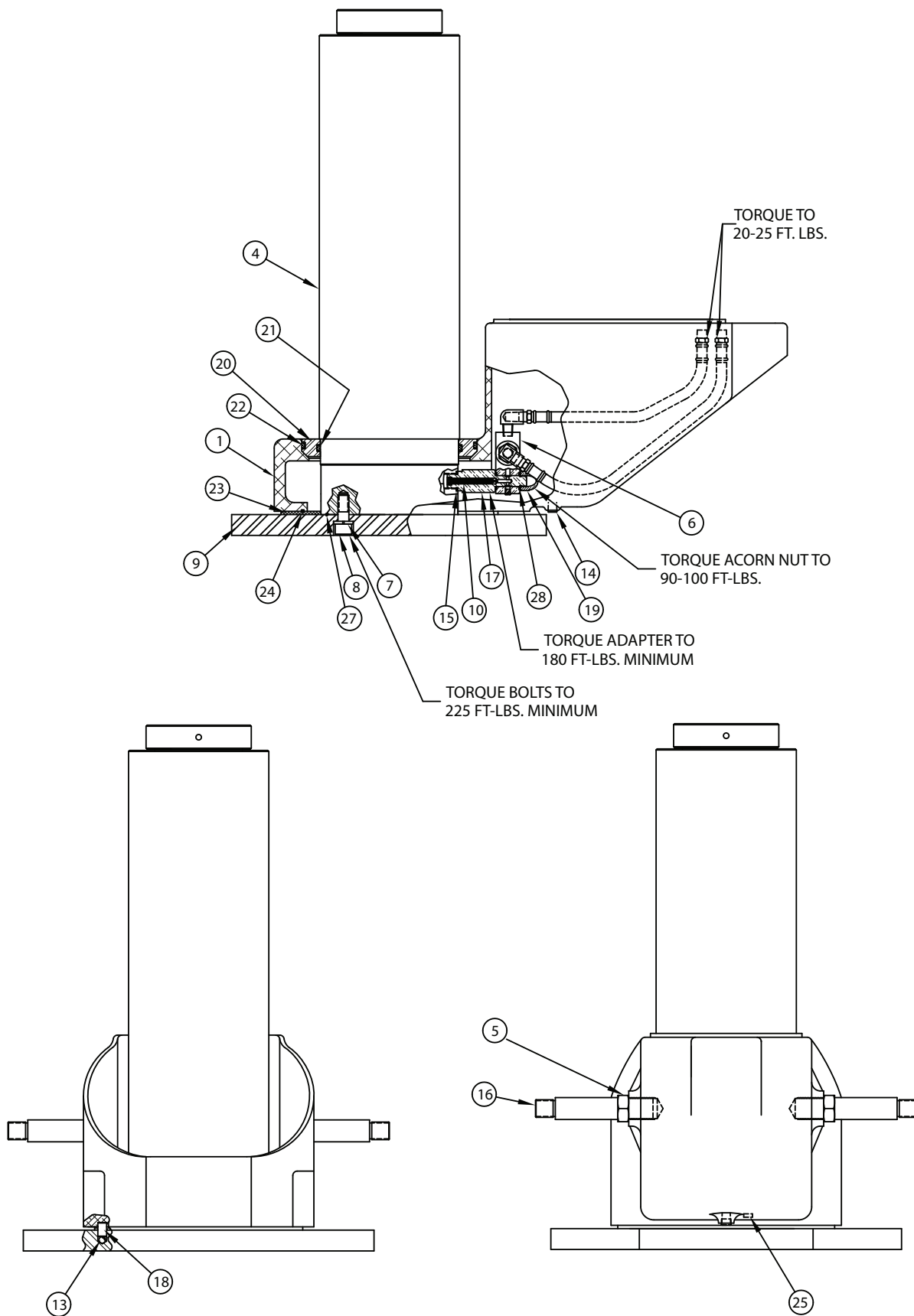
Testing Procedure:

Load the jack to full rated capacity, hold and check. No drift allowed. Lift 1.75-1.25" @ 1 minute. Lower and check load holding .31" drift max. before load lock off.



Repair Parts List (Refer to figure 1)								
Item	Model						Qty.	Description
	PREMB15016L 115 Volt	PREMB15027L 115 Volt	PREMI15016L 230 Volt	PREMI15027L 230 Volt	PREME15016L 230 Volt	PREME15027L 230 Volt		
1	42045SR	41943SR	42045SR	41943SR	42045SR	41943SR	1	PR Basic Asm (See Fig 2)
2	DS1070900SR	DS1070900SR	DS1073900SR	DS1073900SR	DS1176900SR	DS1176900SR	1	Subassembly, Pump and Motor (see Figure 3) , Date Code "B" only
	DD9789900SR	DD9789900SR	n/a	n/a	DD9792900SR	DD9792900SR	1	Subassembly, Pump and Motor (see Figure 3), Date Code "B" thru "C"
4	88743E	88743E	88743E	88743E	88743E	88743E	1	Plug Hex O-Ring
6	85469E	85469E	85469E	85469E	85469E	85469E	1	Gasket
9	89292E	89292E	89292E	89292E	89292E	89292E	1	Decal, Warning PWR R
	DD9743026	DD9743026	DD9743026	DD9743026	DD9743026	DD9743026	1	Decal, Warning PWR R, Starting With Date Code "C"
10	B2005046E	B2005046E	B2005046E	B2005046E	B2005046E	B2005046E	14	Screw 1/4-20 x 3/4" St
11	42358E	N/A	42358E	N/A	42358E	N/A	1	Lifting Bar 24" PR
12	40085E	40085E	40085E	40085E	40085E	40085E	1	Male Elbow 3/8-3/8"
13	42363E	N/A	42363E	N/A	42363E	N/A	4	HCS 5/16-18 x 1.25" Plt.
14	93942E	N/A	93942E	N/A	93942E	N/A	4	Lock Washer 5/16"
15	42365E	N/A	42365E	N/A	42365E	N/A	2	Nut Plt - Lift Bar
17	42208E	42208E	42208E	42208E	42208E	42208E	1	Load Cap PR Long Strm
18	89967E	89967E	89967E	89967E	89967E	89967E	1	Enerpac Logo - Large
22	42367E	42367E	42367E	42367E	42367E	42367E	2	S-Hook, Pendant, Not Used On Date Code "C"
	DD9657900SR	DD9657900SR	DD9657900SR	DD9657900SR	DD9657900SR	DD9657900SR	2	Cord Management Bracket, Starting With Date Code "C"
23	42532E	42532E	42532E	42532E	42532E	42532E	1	Label 150 Ton Capacity
24	42434E	42436E	46451E	45673E	DS1181026	DS1182026	1	Model Label
25	86027E	86027E	86027E	86027E	86027E	86027E	1	Control Valve Plate
26	41944E	41944E	41944E	41944E	41944E	41944E	2	Tire/Rim Assembly
27	41945E	41945E	41945E	41945E	41945E	41945E	2	Spacer
28	41961SR	41961SR	41961SR	41961SR	41961SR	41961SR	1	Handle Assembly
29	43021E	N/A	43021E	N/A	43021E	N/A	2	Square Hole Plug PR
30	46053E	46053E	46053E	46053E	46053E	46053E	2	1"-8 Hex Lock Nut
34	41977E	41978E	41977E	41978E	41977E	41978E	1	Tube
35	41983E	41983E	41983E	41983E	41983E	41983E	1	Screw Shoulder
36	46539E	46539E	46539E	46539E	46539E	46539E	1	Decal Overlay, Not Used On Date Code "C"
37	42281E	42281E	42281E	42281E	42281E	42281E	1	Lower Weldment 5" PR
38	84692E	84692E	84692E	84692E	84692E	84692E	2	SHC 3/8-16 x 1.75"
N/A = Not Available								

Figure 2 - 42045SR, 41943SR Pow'r Riser Basic Assembly



Repair Parts List (Refer to figure 2)								
Item	Model						Qty.	Description
	PREMB15016L 115 Volt	PREMB15027L 115 Volt	PREMI15016L 230 Volt	PREMI15027L 230 Volt	PREME15016L 230 Volt	PREME15027L 230 Volt		
BASIC ASSY	42045SR	41943SR	42045SR	41943SR	42045SR	41943SR		
1	41886E	41886E	41886E	41886E	41886E	41886E	1	Housing Mach P. R.
4	S42050SR	41926SR	S42050SR	41926SR	S42050SR	41926SR	1	150 Ton Cylinder Assy.
5	85477E	85477E	85477E	85477E	85477E	85477E	2	Jam Nut
6	(See Fig. 11)						1	O.C. Valve and Hoses
7	93947E	93947E	93947E	93947E	93947E	93947E	6	Lock Washer 5/8"
8	93605E	93605E	93605E	93605E	93605E	93605E	6	SHCS 5/8-11 x 1.5" Lg.
9	41975E	41975E	41975E	41975E	41975E	41975E	1	150 Ton P.R. Base
10	89754E	89754E	89754E	89754E	89754E	89754E	1	Screen - 2" Nipple
13	44968E	44968E	44968E	44968E	44968E	44968E	2	Rubber Ball 3/8" 70
14	93950E	93950E	93950E	93950E	93950E	93950E	1	1/4" Soc Pipe Plug
15	◆	◆	◆	◆	◆	◆	1	Gasket Adapter
16	41948E	41948E	41948E	41948E	41948E	41948E	2	Axle Shaft
17	41947E	41947E	41947E	41947E	41947E	41947E	1	Adapter O.C. Valve
18	42275E	42275E	42275E	42275E	42275E	42275E	2	PR Base Pin
19	46740E	46740E	46740E	46740E	46740E	46740E	1	Acorn Nut 5/8-11
20	41974E	41974E	41974E	41974E	41974E	41974E	1	Ring 150 Ton
21	◆	◆	◆	◆	◆	◆	1	O-Ring 6-3/4 x 7-1/4"
22	◆	◆	◆	◆	◆	◆	1	O-Ring 9" x 9-1/2"
23	◆	◆	◆	◆	◆	◆	1	Gasket Base
24	◆	◆	◆	◆	◆	◆	1	O-Ring Power Riser
25	66021E	66021E	66021E	66021E	66021E	66021E	1	Magnet
27	◆	◆	◆	◆	◆	◆	1	O-Ring 6" x 6-1/4"
28	68183E	68183E	68183E	68183E	68183E	68183E	2	Gasket Plug
◆ Included in 54411K Repair Kit								

Figure 3 - Pump and Motor Sub-Assembly

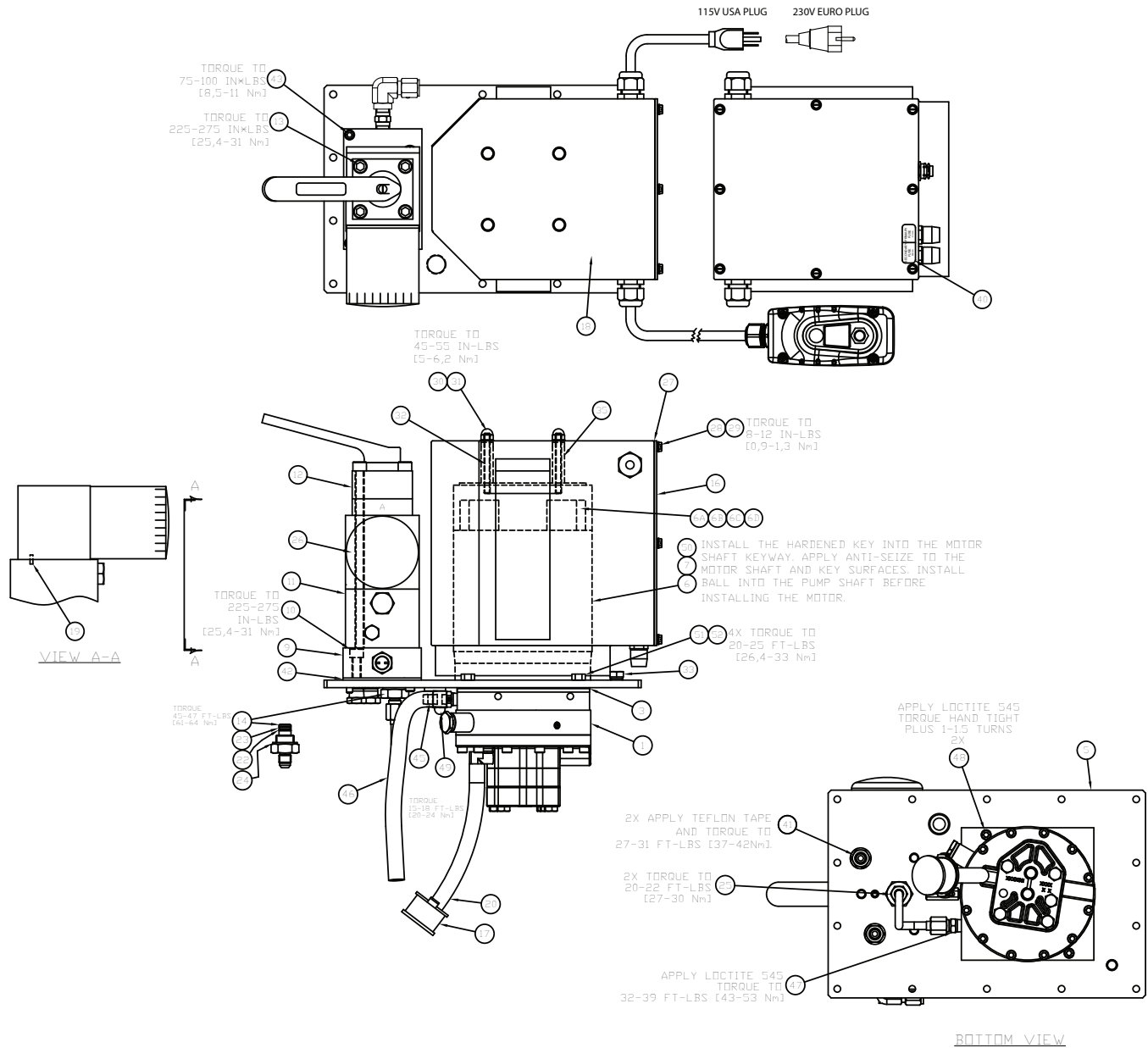
DS1068900SR (115 VAC - See Fig. 16A for electrical parts list. See Fig. 19 for wiring diagram.) (Date Code "B" only)

DS1071900SR (230 VAC - See Fig. 17A for electrical parts list. See Fig. 20 for wiring diagram.) (Date Code "B" only)

DS1174900SR (230 VAC European - See Fig. 18A for electrical parts list. See Fig. 20 for wiring diagram.) (Date Code "B" only)

DD9789900SR (115 VAC - See Fig. 16A for electrical parts list. See Fig. 19 for wiring diagram.) (Date Code "B" thru "C")

DD9792900SR (230 VAC European - See Fig. 18A for electrical parts list. See Fig. 20 for wiring diagram.) (Date Code "B" thru "C")

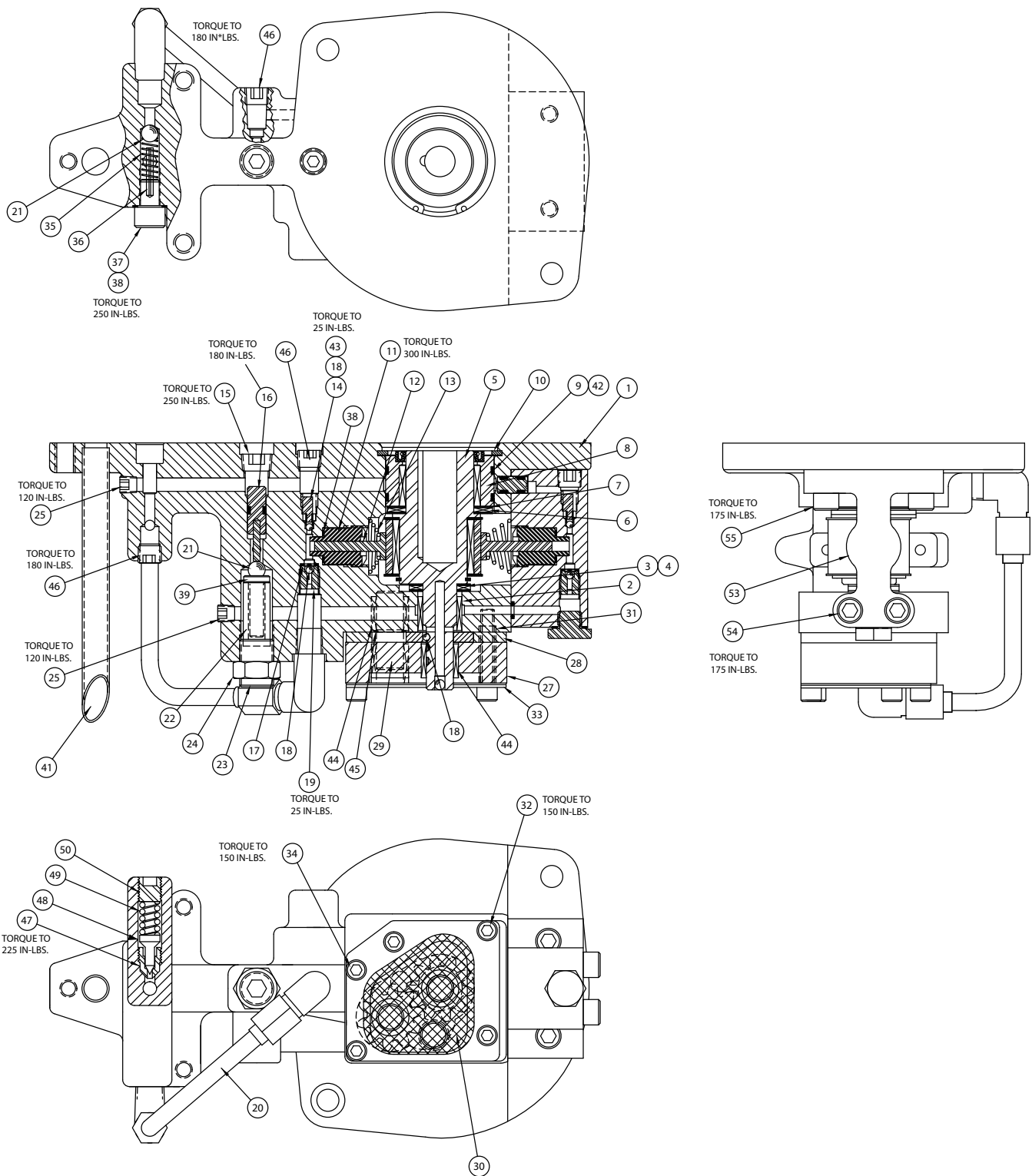


Repair Parts List (Refer to figure 3)					
Item	Part Number			Qty.	Description
	Pump and Motor Assy. DS1070900SR (115 VAC)	Pump and Motor Assy. DS1073900SR (230 VAC)	Pump and Motor Assy. DS1176900SR (230 VAC European)		Date Code "B" only
	Pump and Motor Assy. DD9789900SR (115 VAC)	N/A	Pump and Motor Assy. DD9792900SR (230 VAC European)		Date Code "B" thru "C"
1	(See Fig. 4)			1	Pump Asm 2P 1.5 HP. Date Code "B"
	See RPS L2596 for MPE				Pump Element Date Code "C"
2	★ 66012E	★ 66012E	★ 66012E	1	Gasket-Motor, Not Used On Date Code "C"
3	★ 68231E	★ 68231E	★ 68231E	1	Gasket-Pump @ Motor
	▼ DC9551920SR	- - -	□ DC9551920SR	1	Gasket-Pump, Starting With Date Code "C"
4	★ 68551E	★ 68551E	★ 68551E	1	Gasket-Pump @ Valve, Not Used On Date Code "C"
5	DD6038101E	DD6038101E	DD6038101E	1	Reservoir Cover Plate
	▼ DD9585101	- - -	□ DD9585101	1	Reservoir Cover Plate, Starting With Date Code "C"
6	68376E	- - -	- - -	1	Electric Motor, 1.5 HP 115V
	▼ DD6113259	- - -	- - -	1	Electric Motor, 1.5 HP 115V, Starting With Date Code "C"
	- - -	68403E	68403E	1	Electric Motor, 1.5 HP 230V
	- - -	- - -	□ DD6114259	1	Electric Motor, 1.5 HP 230V, Starting With Date Code "C"
6A	◆ 55028E	- - -	- - -	1	Brush Kit, 115V
6B	- - -	* 55029E	* 55029E	1	Brush Kit, 230V
6C	▲ 55056E	- - -	- - -	1	Brush Ring Kit, 115V
6D	- - -	❖ 55030E	❖ 55030E	1	Brush Ring Kit, 230V
7	69026E	69026E	69026E	1	Pin Dowel 3/16-1
	▼ DD4308251	- - -	□ DD4308251		Hardened Motor Key Date Code "C"
9	(See Fig. 15)			1	Manifold Asm NPR
10	86184E	86184E	86184E	5	SHCS 3/8-16 x 1-1/2"
	▼ B1071028X	- - -	□ B1071028X	3	Date Code "C"
11	(See Fig. 14)			1	Locking Valve w/relief
12	(See Fig. 13)			1	Control Valve Asm.
13	42383E	42383E	42383E	4	SHCS 3/8-16 x 8.0"
14	(See Fig. 10)			1	Adapter Assy.
	▼ DC9173690	- - -	□ DC9173690	1	Connector Tube/Fitting Date Code "C"
15	DS1055398E	DS1055398E	DS1055398E	1	Air Baffle, Not Used On Date Code "C"
16	DS1056098E	DS1056098E	DS1056098E	1	Cover, Shroud
★ Included in 54177K Repair Kit ◆ Includes 4 brushes (68757) and 4 springs (68758) * Includes 2 brushes (68757) and 2 springs (68758) ▲ Includes 4 brushes (68757) and 1 brush ring (45306) ❖ Includes 2 brushes (68757) and 1 brush ring (68761) ▼ Included in Pump Assembly 115V Conversion 150T kit PREMB150PSR □ Included in Pump Assembly 230V Conversion 150T kit PREME150PSR					

Repair Parts List (Refer to figure 3)				
Item	Part Number			Qty. Description
	Pump and Motor Assy. DS1070900SR (115 VAC)	Pump and Motor Assy. DS1073900SR (230 VAC)	Pump and Motor Assy. DS1176900SR (230 VAC European)	Date Code "B" only
	Pump and Motor Assy. DD9789900SR (115 VAC)	N/A	Pump and Motor Assy. DD9792900SR (230 VAC European)	Date Code "B" thru "C"
17	68884E	68884E	68884E	1 Screen
	▼ DC9178118	- - -	☐ DC9178118	1 Inlet Screen, Starting With Date Code "C"
18	(See Fig. 16)	(See Fig. 17)	(See Fig. 18)	1 Shroud Electrical Assembly
19	561604E	561604E	561604E	1 Roll Pin 1/8 x 3/8" Lg.
20	69442E	69442E	69442E	1 Nipple 1/4 NPT x 3"
	▼ DC9603268	- - -	☐ DC9603268	1 Inlet Tube, Starting With Date Code "C"
21	80241E	80241E	80241E	1 Pipe Coupling 1/4", Not Used On Date Code "C"
22	▼ B1012566	- - -	☐ B1012566	1 Back-up-0.375, 0.500, 0.050, Teflon Date Code "C"
23	▼ B1012803	- - -	☐ B1012803	1 O-ring-round, 0.375, 0.500, 0.063, Polyurethane, 92 Date Code "C"
24	▼ DC9271167	- - -	☐ DC9271167	1 Gasket copper .754x1.017x.064 Date Code "C"
25	DD9587900	- - -	DD9587900	1 Tube ASM steel pump Date Code "C"
26	(See Fig. 9)			1 Filter Block Asm
27	DS1057037E	DS1057037E	DS1057037E	1 Gasket, Shroud Cover
28	DS1135042E	DS1135042E	DS1135042E	8 HHCS 10-32 x 3/8" Lg.
29	DS1136108E	DS1136108E	DS1136108E	8 Washer, Sealing
30	42336E	42336E	42336E	4 Nut, Acorn
31	65892E	65892E	65892E	4 Washer, Sealing
32	DS1137305	DS1138305	DS1138305	4 Stud, 1/4-20 Date Code "B"
	▼ DD9723305	- - -	☐ DD9722305	4 Stud, Starting With Date Code "C"
33	69264E	69264E	69264E	1 Breather Vent
34	65888E	65888E	65888E	2 Push-On Terminal
35	DS1139186	44620	44620	4 Spacer, 1.69" Lg. Date Code "B"
	▼ DD9724186	- - -	☐ 69353	4 Spacer, Starting With Date Code "C"
36	DC9922026E	DC9922026E	DC9922026E	1 Decal, High Voltage Not Used on Date Code "C"
40	DD4338026E	DD4338026E	DD4338026E	1 Decal, Transformer Fuses
41	41964E	41964E	41964E	2 Swivel Fitting
42	▼ DD6106037E	DD6106037E	☐ DD6106037E	1 Valve Gasket
43	B1013028X	B1013028X	B1013028X	2 SHCS, 1/4-20 x 1.25" Lg
44	▼ DD9750380	- - -	☐ DD9750380	1 Ferrite Core - Wrap Around Motor Hot Leads, Starting With Date Code "C"
★ Included in 54177K Repair Kit ♦ Includes 4 brushes (68757) and 4 springs (68758) * Includes 2 brushes (68757) and 2 springs (68758) ▲ Includes 4 brushes (68757) and 1 brush ring (45306) ❖ Includes 2 brushes (68757) and 1 brush ring (68761) ▼ Included in Pump Assembly 115V Conversion 150T kit PREMB150PSR ☐ Included in Pump Assembly 230V Conversion 150T kit PREME150PSR				

Repair Parts List (Refer to figure 3)				
Item	Part Number			Qty. Description
	Pump and Motor Assy. DS1070900SR (115 VAC)	Pump and Motor Assy. DS1073900SR (230 VAC)	Pump and Motor Assy. DS1176900SR (230 VAC European)	Date Code "B" only
	Pump and Motor Assy. DD9789900SR (115 VAC)	N/A	Pump and Motor Assy. DD9792900SR (230 VAC European)	Date Code "B" thru "C"
45	▼ F100097-16	---	☐ F100097-16	1 Fitting, Standard Pump
46	▼ DC9335646	---	☐ DC9335646	1 Hose, Bypass 8"
47	▼ F100094-246	---	☐ F100094-246	1 Fitting 5-4 FTX-S
48	▼ CBE621028-1A	---	☐ CBE621028-1A	2 SHCS, M6 X 20
49	▼ DC9639299	---	☐ DC9639299	1 Hose clamp steel 3/8-7/8 Date Code "C"
50	▼ 44968	---	☐ 44968	1 Rubber ball 3/8" 70 Date Code "C"
51	▼ CAE1100108-1A	---	☐ CAE1100108-1A	4 Washer-flat, 10.50, 20.00, 2.00, stl, chrome Date Code "C"
52	▼ CBE621028-1A	---	☐ CBE621028-1A	4 Screw-shcs, hex, M10X35.00, STL/8.8, zinc Date Code "C"
★ Included in 54177K Repair Kit ♦ Includes 4 brushes (68757) and 4 springs (68758) * Includes 2 brushes (68757) and 2 springs (68758) ▲ Includes 4 brushes (68757) and 1 brush ring (45306) ❖ Includes 2 brushes (68757) and 1 brush ring (68761) ▼ Included in Pump Assembly 115V Conversion 150T kit PREMB150PSR ☐ Included in Pump Assembly 230V Conversion 150T kit PREME150PSR				

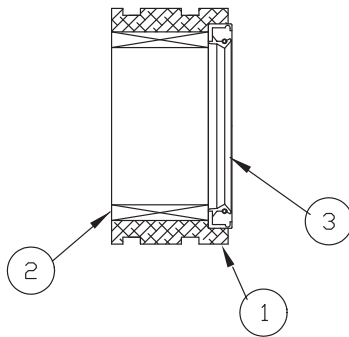
Figure 4 - 18852SR Pump Assembly Date Code "B" Only



Repair Parts List (Refer to figure 4)			
Item	Part Number	Qty.	Description
1	43769E	1	Pump Body 2 Piston
2	68360E	1	Bearing, Roller
3	66033E	1	Thrust Bearing
4	66474E	2	Thrust Washer
5	(See Fig. 7)	1	Eccentric Shaft Assembly
6	66106E	1	Thrust Bearing
7	66108E	2	Thrust Washer
8	(See Fig. 5)	1	Adapter-Shaft Asm.
9	★ 56020322E	2	O-Ring 1-7/8 x 2" Ure
10	68978E	1	Retaining Ring
11	68945E	1	Adaptor .225 Dia.
12	67868E	1	Piston .225 Dia.
13	68340E	1	Spring, Piston
14	68810E	1	Ball Stop
15	93950E	1	1/4" Soc Pipe Plug
16	(See Fig. 6)	1	Unloading Piston Assy
17	66043E	1	Ball Retainer
18	90906E	5	Ball 1/8"
19	66046E	1	Intake Seat
20	68851SR	1	Tube Asm
21	91701E	2	Ball 5/16"
22	43671E	1	Unloading Spring
23	43674E	1	Set Screw Unloading Valve
24	43675E	1	Hex Nut Unloading Valve
25	97641E	2	1/16" Soc Pipe Plug
27	68849E	1	Plate-Bottom
28	N/A	1	Gear Set
29	68850	1	Shaft-Idler

Repair Parts List (Refer to figure 4)			
Item	Part Number	Qty.	Description
30	★ 68921E	1	Screen
31	68894	2	Tube-Guide .11
32	B1018028	4	SHCS 1/4-28 x 1-3/4"
33	68927	1	Plate-Screen Mtg.
34	B1016028	1	SHCS 1/4-28 x 1-1/2"
35	68225E	1	Spring
36	B1058057	1	Roll Pin 1/8 x 15/16"
37	68226	1	Screw, Ball Stop
38	85726E	2	Gasket 25/64 x 19/32"
39	43673	1	Spring Cap Unload Valve
41	68569E	1	Tube Return
42	★ 69513E	2	Shaft Adp Backup Was.
43	66042E	1	Spring
44	68891E	3	Bearing
45	68892	1	Ring-Retaining
46	81093E	3	Pipe Plug 1/8" Flush
47	▲ 68004E	1	Seat - Ext Relief
48	▲ 68003E	1	Cone - Ext Relief
49	▲ 66085E	1	Spring - Relief Valve
50	66083E	1	Relief Valve Adj. Screw
53	(See Fig. 8)	1	Piston Blk .225
54	B1356028	2	SHCS 5/16-24 x 1.75"
55	82687E	2	SHCS 5/16-24 x 5/8"
★ Included in 54177K Repair Kit ▲ Included in 55057K Relief Kit Note: Not used starting with Date Code "C"			

Figure 5 - 68829SR Adapt-Shaft Assembly

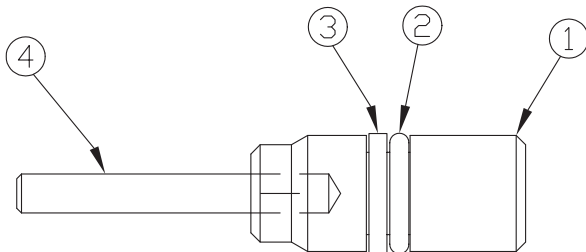


Repair Parts List (Refer to figure 5)

Item	Part Number	Qty.	Description
1	68912E	1	Adapter Shaft
2	66030E	1	Bearing
3	★ 68901E	1	Seal

★ Included in Repair Kit 54177K
Note: Not used starting with Date Code "C"

Figure 6 - 43766 Unloading Piston Assembly

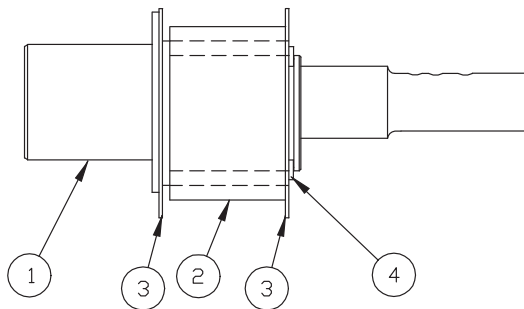


Repair Parts List (Refer to figure 6)

Item	Part Number	Qty.	Description
1	43765	1	Unload Piston
2	5602009E	1	O-Ring
3	43768E	1	Back-Up Washer
4	43686E	1	Roll Pin

Note: Not used starting with Date Code "C"

Figure 7 - 69082SR Eccentric Shaft Assembly

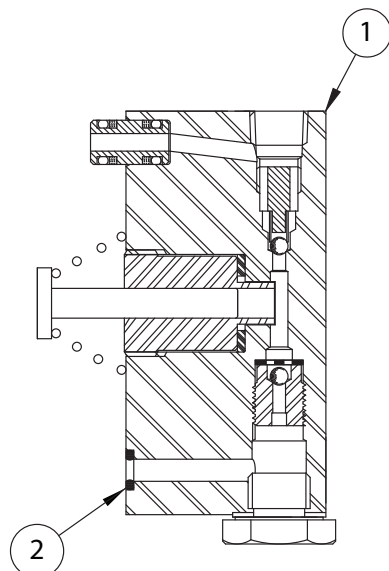


Repair Parts List (Refer to figure 7)

Item	Part Number	Qty.	Description
1	68859	1	Eccentric Shaft
2	69081SR	1	Bearing
3	69475E	2	Bearing Washer
4	67863E	1	Retaining Ring
5	90548E	1	Ball

Note: Not used starting with Date Code "C"

Figure 8 - 68502 Piston Block Assembly

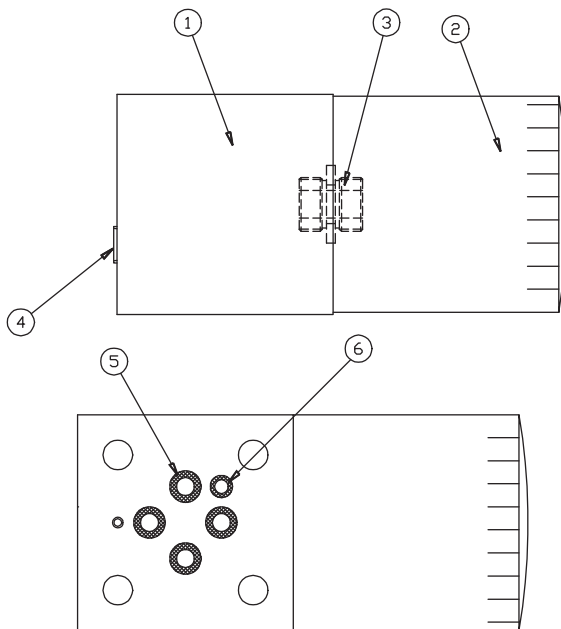


Repair Parts List (Refer to figure 8)

Item	Part Number	Qty.	Description
1	68502	1	Piston Block Assembly (Includes item 2)
2	★ 5602008E	1	O-Ring 3/16 x 5/16"

★ Included in Repair Kit 54177K
Note: Piston block components are shown in Fig. 8 for reference only. Order complete 68898 piston block assembly if replacement is required. Piston block assembly is not repairable.
Note: Not used starting with Date Code "C"

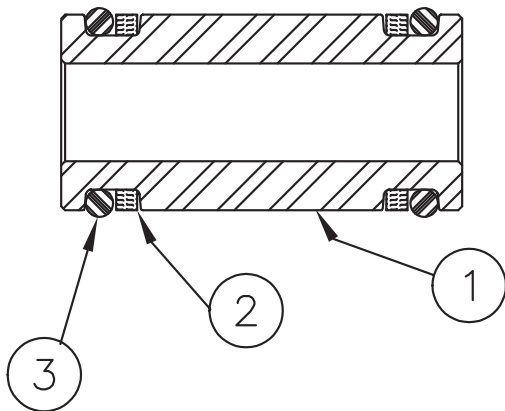
Figure 9 - 69740USR Filter Block Assembly



Repair Parts List (Refer to figure 9)

Item	Part Number	Qty.	Description
1	69546E	1	Filter Block
2	69670E	1	Oil Filter Power Pump
3	69144E	1	Adapter Filter
4	93950E	2	1/4" Soc Pipe Plug
5	56020112E	4	O-Ring 5/16 x 7/16" URE
6	5602008E	1	O-Ring 3/16 x 5/16"

Figure 10 - 68963SR Adapter Assembly



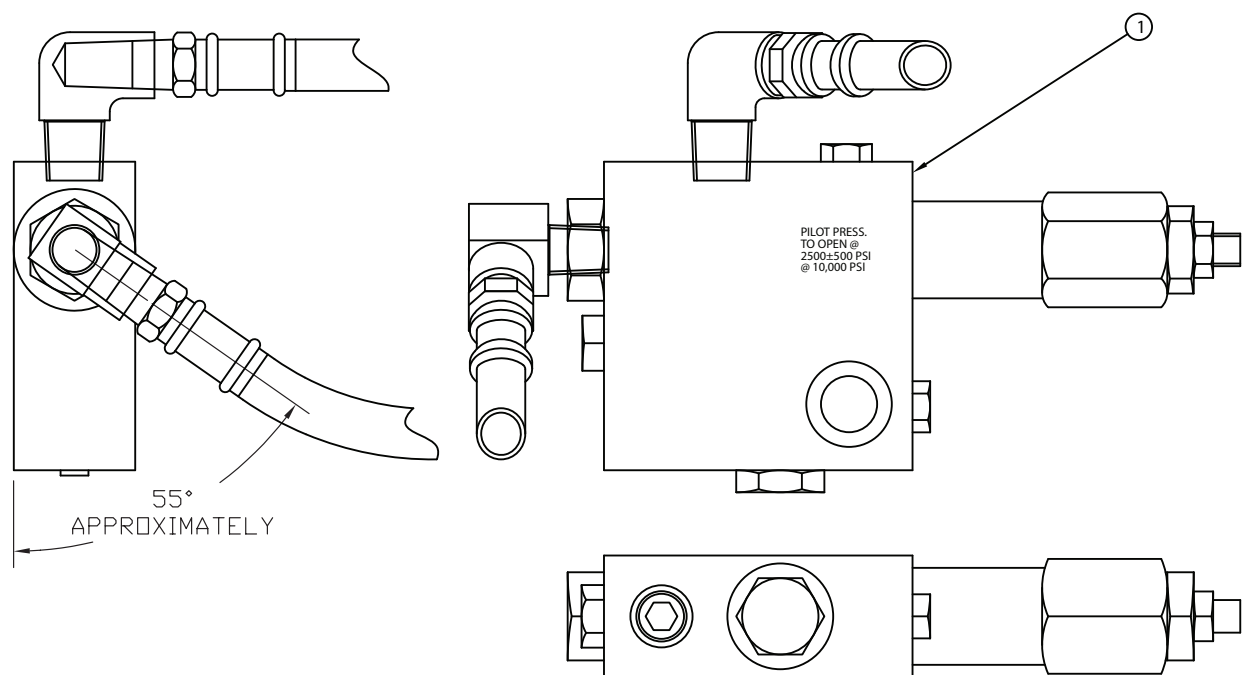
Repair Parts List (Refer to figure 10)

Item	Part Number	Qty.	Description
1	88073E	1	Valve Adapter
2	★ 65881E	2	B-U Ring
3	5602012E	2	O-ring 3/8 x 1/2"

★Included in Repair Kit 54177K

Note: Not used starting with Date Code "C"

Figure 11 - 42353SR Over-Center Valve Subassembly

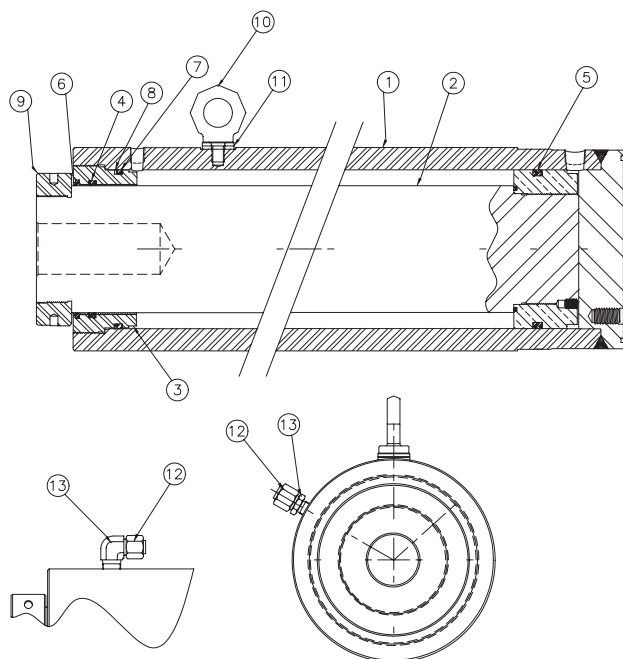


Repair Parts List (Refer to figure 11)

Item	Part Number	Qty.	Description
1	42353SR	1	Valve, Over-Center

Note: Item 1 includes OC valve subassembly, elbows and hydraulic hoses. Items not sold separately. Order complete 42353SR OC valve assembly if replacement is required. Valve is not repairable.

Figure 12 - S42050SR, 41926 Cylinder Asm.

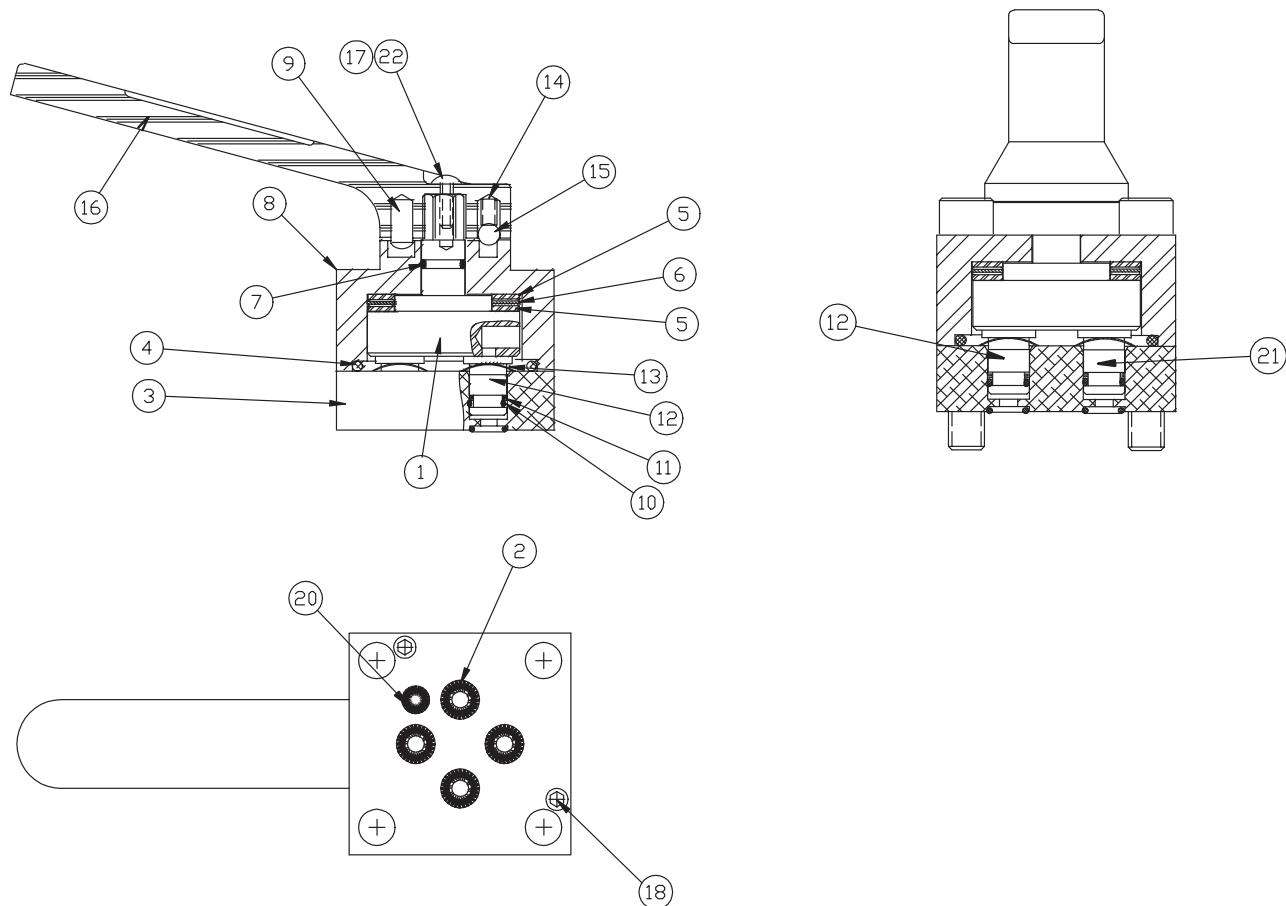


Repair Parts List (Refer to figure 12)

Model	PREM_15016L (all versions)	PREM_15027L (all versions)		
Item	Asm. S42050SR	Asm 41926	Qty.	Description
1	42048E	41927E	1	Cylinder Weldment
2	42051SR	41930SR	1	Piston Rod Asm.
3	41933	41933	1	150 Ton Head Gland
4	*	*	1	T-Seal Rod 5" Dia
5	*	*	1	T-Seal Piston 6-1/4"
6	*	*	1	Wiper 5" Rod Dia
7	*	*	1	O-Ring 6" x 6-1/4"
8	*	*	1	B-U Washer
9	41934E	41934E	1	Ring
10	N/A	43308E	1	Swivel Eye Bolt 1/2"
11	N/A	43307E	1	Washer Eyebolt
12	45664E	45664E	1	O-Ring Face Seal Plug
13	44865E	45666E	1	O-Ring Ftg, 3/8" NPT

* Included in 54403K Repair Kit N/A = Not Available

Figure 13 - 69101SR 4-Way Manual Valve Subassembly



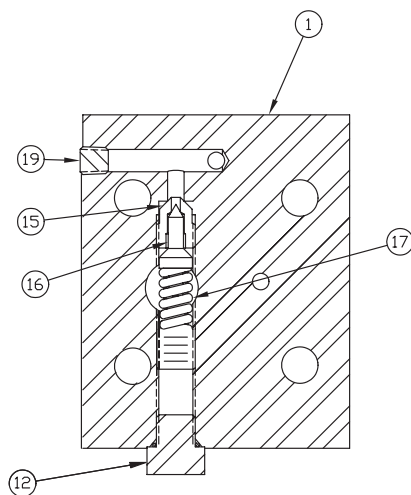
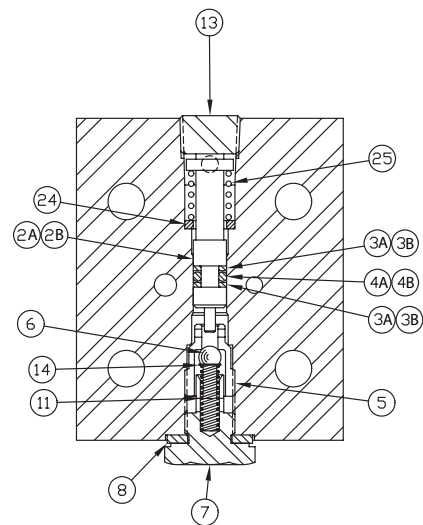
Repair Parts List (Refer to figure 13)

Item	Part Number	Qty.	Description
1	43762E	1	Valve Rotor
2	* 56020112E	4	O-Ring
3	68180	1	Subplate - Valve
4	* 5602225E	1	O-Ring
5	68026E	2	Thrust Washer
6	68155E	1	Thrust Bearing
7	* 5602012E	1	O-Ring
8	69135	1	Upper Valve Block
9	93804E	1	Drive Lok Pin
10	* 5602011E	3	O-Ring
11	* 65882E	3	Washer

Repair Parts List (Refer to figure 13)

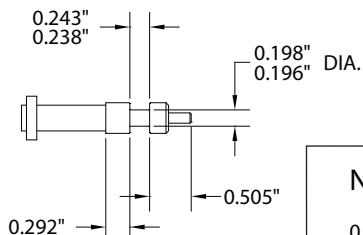
Item	Part Number	Qty.	Description
12	68029E	1	Shear Seal
13	68028E	3	Spring Washer
14	68025E	1	Detent Spring
15	92549E	1	Ball
16	69091E	1	Valve Handle
17	44595E	1	Screw
18	85317E	2	Screw
20	5602008E	1	O-Ring
21	68181E	2	Shear Seal
22	Y0010765E	1	Lockwasher
N/S = Not Shown * Included in Valve Kit 54490K			

Figure 14 - 42480SR Locking Valve Subassembly (with relief)



SPOOL AND SEAL REPLACEMENT INFORMATION

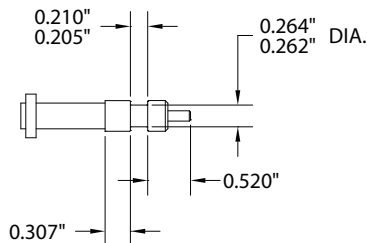
OLD DESIGN - ITEM 2A



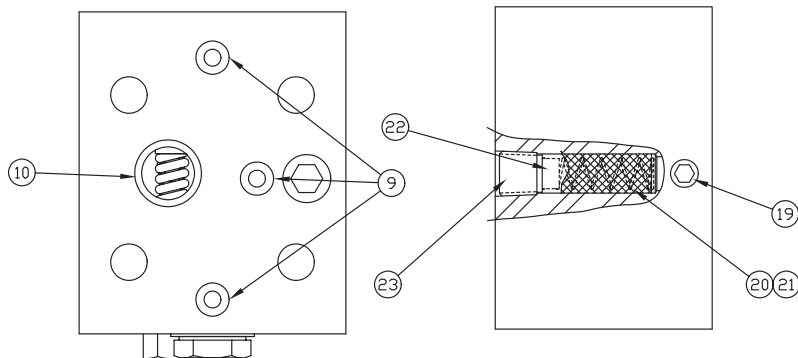
IMPORTANT: Use items 3A and 4A with OLD design spool, item 2A.

IMPORTANT: Use items 3B and 4B with NEW design spool, item 2B.

NEW DESIGN - ITEM 2B



Note: Old design spool (2A) must be replaced with new design spool (2B) if it is worn or damaged. Old design spool (2A) is no longer available.

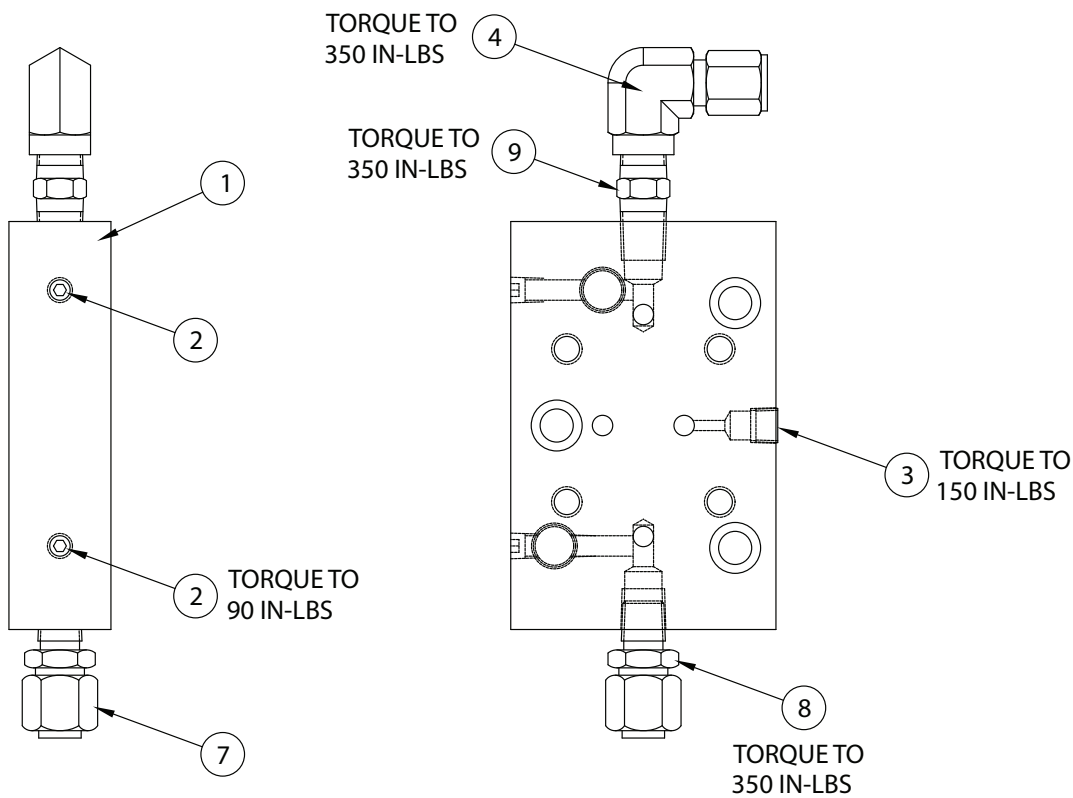


Repair Parts List (Refer to figure 14)

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	42307E	1	Locking Valve Body - Relief	12	68258E	1	Plug SAE #4
2A	(not available)	1	Spool Piston (old design)	13	84084E	1	Pipe Plug 3/8" Flush
2B	42727E	1	Spool Piston (new design)	14	69870E	1	Spring Eyelet Lock
3A	5608106E	2	Backup Washer 8-106	15	▲68004E	1	Seat - Ext Relief
3B	❖43927E	2	Backup Washer TEF -010	16	▲68003E	1	Cone - Ext Relief
4A	5602106E	1	O-Ring 3/16 x 3/8"	17	▲66085E	1	Spring - Relief Valve
4B	❖B1005503	1	O-Ring 1/4 x 3/8"	18	66083E	1	Relief Valve Adjusting Scr.
5	68590E	1	Seat	19	40049E	3	1/16" Pipe Plug - Flush
6	92526E	1	Ball 9/32"	20	69518	1	Screen O.C. Valve
7	69508E	1	Plug - Adapt P.R. Lock	21	42423	1	Spring OC VLV Screen
8	68183E	1	Gasket - Plug	22	69517	1	Screen Cap
9	56020102E	3	O-Ring 1/4 x 3/8" Ureth	23	82552E	1	Pipe Plug 1/4" Flush
10	56020162E	1	O-Ring 5/8 x 3/4" Ureth	24	42726E	1	Washer PR Lock Block
11	68870E	1	Compression Spring	25	68871E	1	Compression Spring

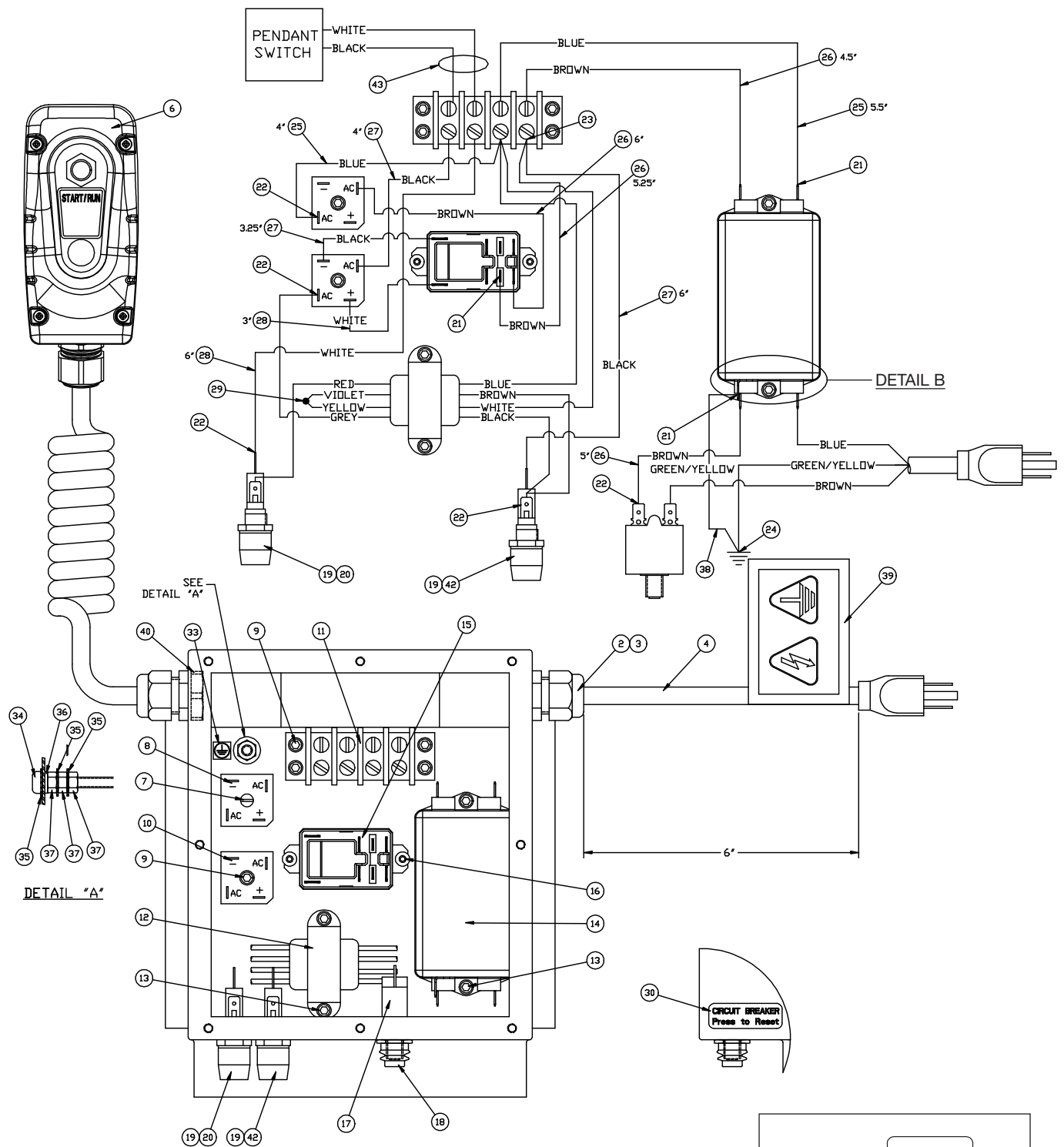
▲ Included in 55057K Relief Kit ❖ Included with item 2B

Figure 15 - 69749SR Manifold Assembly



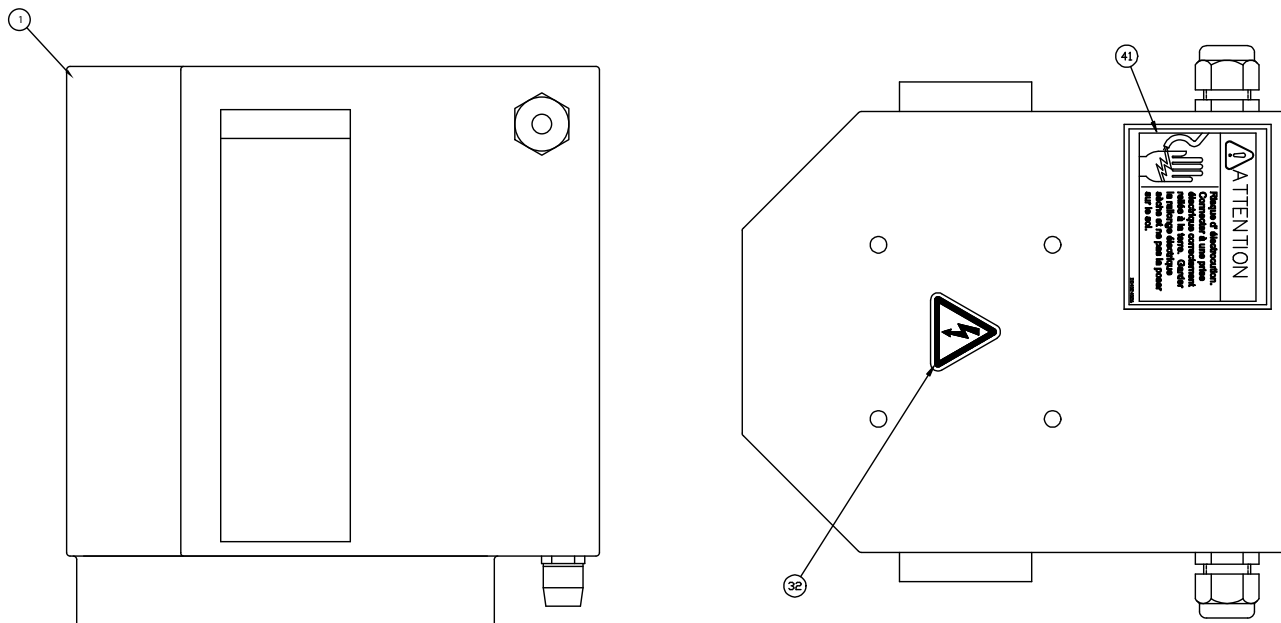
Repair Parts List (Refer to figure 15)							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	69429E	1	Manifold Pow'r Riser	7	45664E	1	O-Ring Face Seal Plug
2	40049E	2	1/16" Pipe Plug - Flush	8	45663E	1	O-Ring Face Tube Ftg 1/4"
3	81093E	1	Pipe Plug 1/8" Flush	9	4100067E	1	Nipple 1/4"
4	43166E	1	Elbow 90 3/8 - 1/4"				

Figure 16A - DD9780900 Shroud Assembly Pow'r Riser (115 V), Date Code "B"



WARNING: High voltage. Disconnect power cord from electrical outlet before beginning any repairs.

Figure 16B - DD9780900 Shroud Assembly Pow'r Riser (115 V) Date code "B"



Repair Parts List (Refer to figure 16A and 16B)

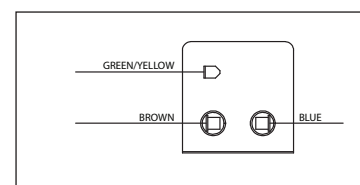
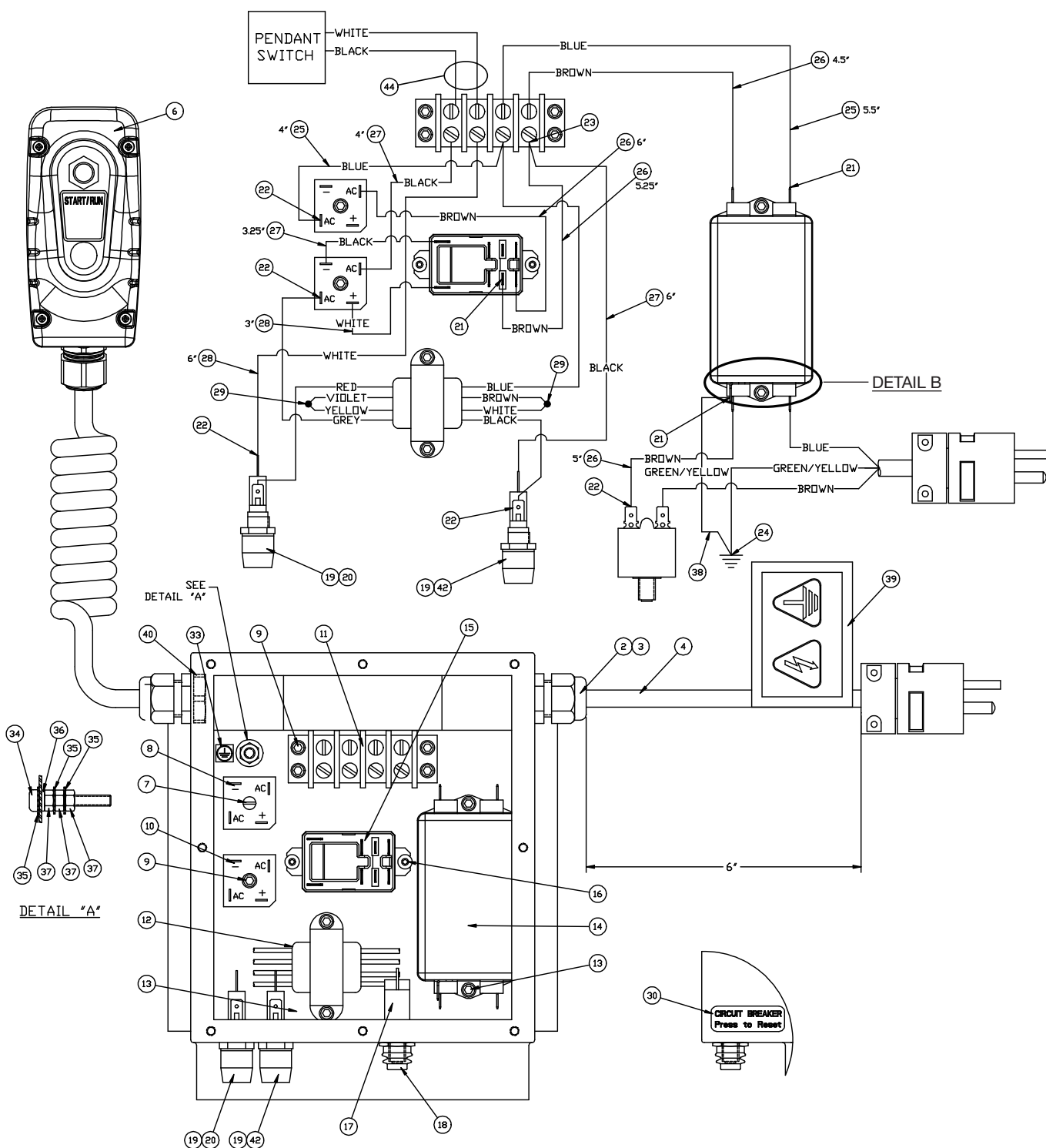
Item	Part Number	Qty.	Description
1	DS1054424E	1	Shroud
2	68375E	1	Fitting, Cord, L-Tight
3	85510E	1	Locknut, 1/2 inch
4	68595	1	Plug and Cord Assy.
6	(See Fig. 21)	1	Pendant Assy.
7	88032E	1	RHMS 10-32 5/8" Lg.
8	DS1244380	1	Bridge Rectifier 1600V
9	B1322028	5	SHCS 10-32 x 1/2" Lg.
10	68623E	1	Bridge Rectifier 25A
11	69599E	1	Terminal Strip
12	68717E	1	Transformer
13	45175	4	SHCS 10-32 x 1/4" Lg. Plt.
14	DS1051380	1	EMI Filter
15	DS1064980	1	Relay, 30A/250V 12VDC
16	81145	2	BHCS 8-32 x 1/4" Lg.
17	DS1058380	1	Circuit Breaker, 20A
18	DC8200380	1	Reset Cap, Circuit Breaker
19	69754E	2	Fuse Holder, 250V
20	DC8371378	1	Fuse, 300mA
21	44491E	9	Flag, Quick-Disc. Blue
22	65888	11	Terminal, Push On
23	65887	6	Spade, Terminal
24	69917	2	Ring, Terminal
25	DS1065452	A/R	Wire #14GA Strand Blue

Repair Parts List (Refer to figure 16A and 16B)

Item	Part Number	Qty.	Description
26	46676	A/R	Wire #14GA Brown
27	68261B	A/R	Wire #14GA Black
28	68262B	A/R	Wire #14GA White
29	68093	1	Wire Nut, Blue
30	DC8237026	1	Decal, CB Reset
32	DC9922026	1	Decal, High Voltage Not Used On Date Code "C"
33	DC8119026	1	Decal, ZE Ground
34	DC9984028	1	M6 x 40 Pan Hd. Screw
35	CCE1060108-6A	3	Star Washer, 6mm Zinc
36	CAE1060108-1A	1	Flat Washer, 6mm Zinc
37	CBE1060120-1D	3	Nut, M6
38	DS1066452	A/R	Wire #14GA Green/Yellow
39	DD1651026	1	Decal, Electric Shock Date Code "B"
		2	Date Code "C"
40	DC9538021	1	Locking Nut, 20mm
41	DD4024026	1	Decal, Attention (French) Not Used On Date Code "C"
42	DC8400378	1	Fuse, 40 mA
43	DD9749380	1	Ferrite Core

A/R = As Required

Figure 17A - DS1062900SR Shroud Electrical Assembly (230 V)

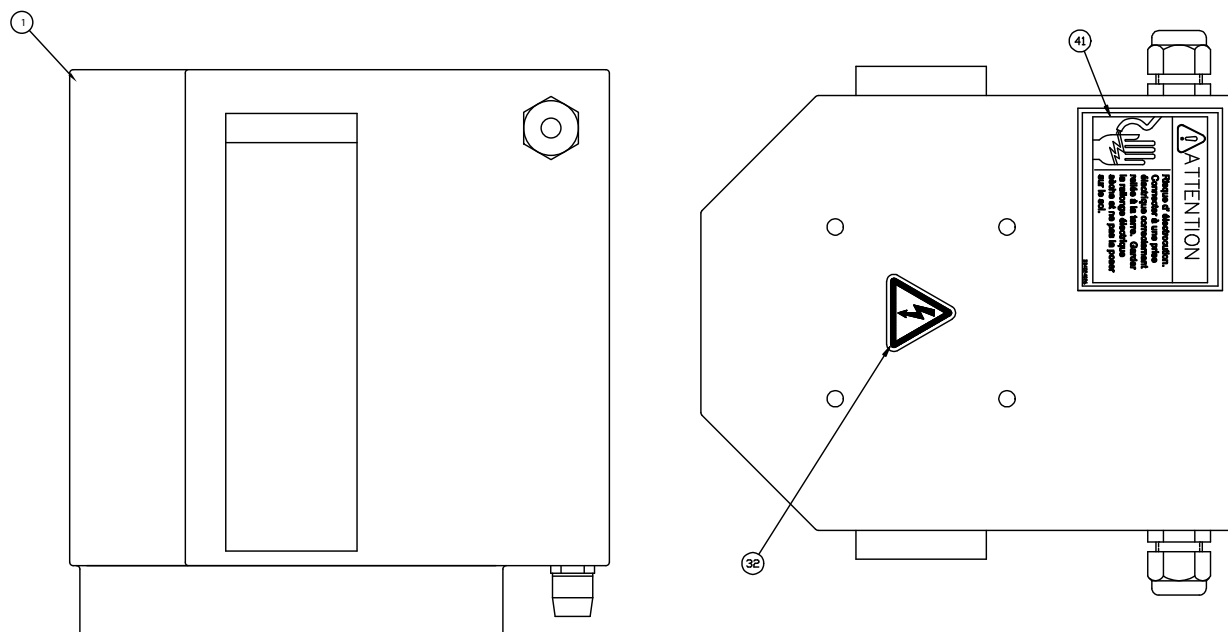


(DETAIL B - VIEWED FROM BELOW)



WARNING: High voltage. Disconnect power cord from electrical outlet before beginning any repairs.

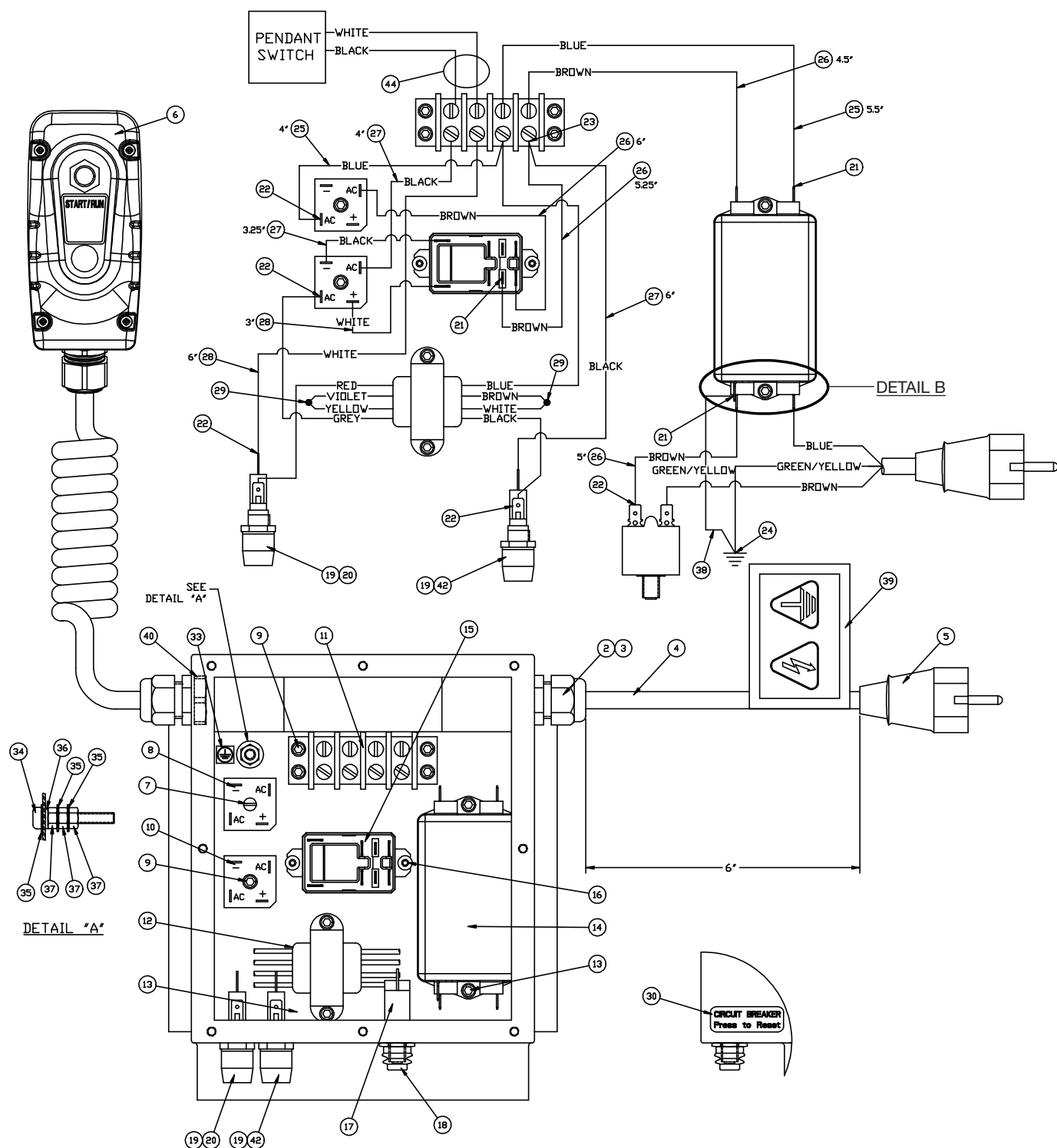
Figure 17B - DS1062900SR Shroud Electrical Assembly (230 V)



Repair Parts List (Refer to figure 17A and 17B)			
Item	Part Number	Qty.	Description
1	DS1054424E	1	Shroud
2	68375E	1	Fitting, Cord, L-Tight
3	85510E	1	Locknut, 1/2 inch
4	DD4773052	1	Cord Assembly, 230V US/Canada, 6 Feet Long
6	(See Fig. 21)	1	Pendant Assy.
7	88032E	1	RHMS 10-32 5/8" Lg.
8	DS1244380	1	Bridge Rectifier 1600V
9	B1322028	5	SHCS 10-32 x 1/2" Lg.
10	68623E	1	Bridge Rectifier 25A
11	69599E	1	Terminal Strip
12	68717E	1	Transformer
13	45175	4	SHCS 10-32 x 1/4" Lg. Plt.
14	DS1051380	1	EMI Filter
15	DS1064980	1	Relay, 30A/250V 12VDC
16	81145	2	BHCS 8-32 x 1/4" Lg.
17	DC8309380	1	Circuit Breaker, 12A
18	DC8200380	1	Reset Cap, Circuit Breaker
19	69754E	2	Fuse Holder, 250V
20	DC8371378	1	Fuse, 300mA
21	44491E	9	Flag, Quick-Disc. Blue
22	65888	11	Terminal, Push On
23	65887	6	Spade, Terminal
24	69917	2	Ring, Terminal

Repair Parts List (Refer to figure 17A and 17B)			
Item	Part Number	Qty.	Description
25	DS1065452	A/R	Wire #14GA Strand Blue
26	46676	A/R	Wire #14GA Brown
27	68261B	A/R	Wire #14GA Black
28	68262B	A/R	Wire #14GA White
29	68093	2	Wire Nut, Blue
30	DC8237026	1	Decal, CB Reset
32	DC9922026	1	Decal, High Voltage Not used on Date Code "C"
33	DC8119026	1	Decal, ZE Ground
34	DC9984028	1	M6 x 40 Pan Hd. Screw
35	CCE1060108-6A	3	Star Washer, 6mm Zinc
36	CAE1060108-1A	1	Flat Washer, 6mm Zinc
37	CBE1060120-1D	3	Nut, M6
38	DS1066452	A/R	Wire #14GA Green/Yellow
39	DD1651026	1	Decal, Electric Shock Date Code "B"
		2	Date Code "C"
40	DC9538021	1	Locking Nut, 20mm
41	DD4024026	1	Decal, Attention (French) Not used on Date Code "C"
42	DC8400378	1	Fuse, 40 mA
44	DD9749380	1	Ferrite Core
A/R = As Required			

Figure 18A - DS1173900SR Shroud Electrical Assembly (230 V European)



WARNING: High voltage. Disconnect power cord from electrical outlet before beginning any repairs.

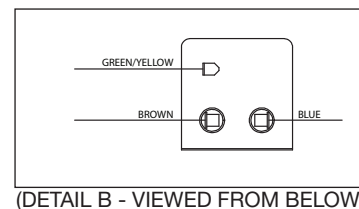
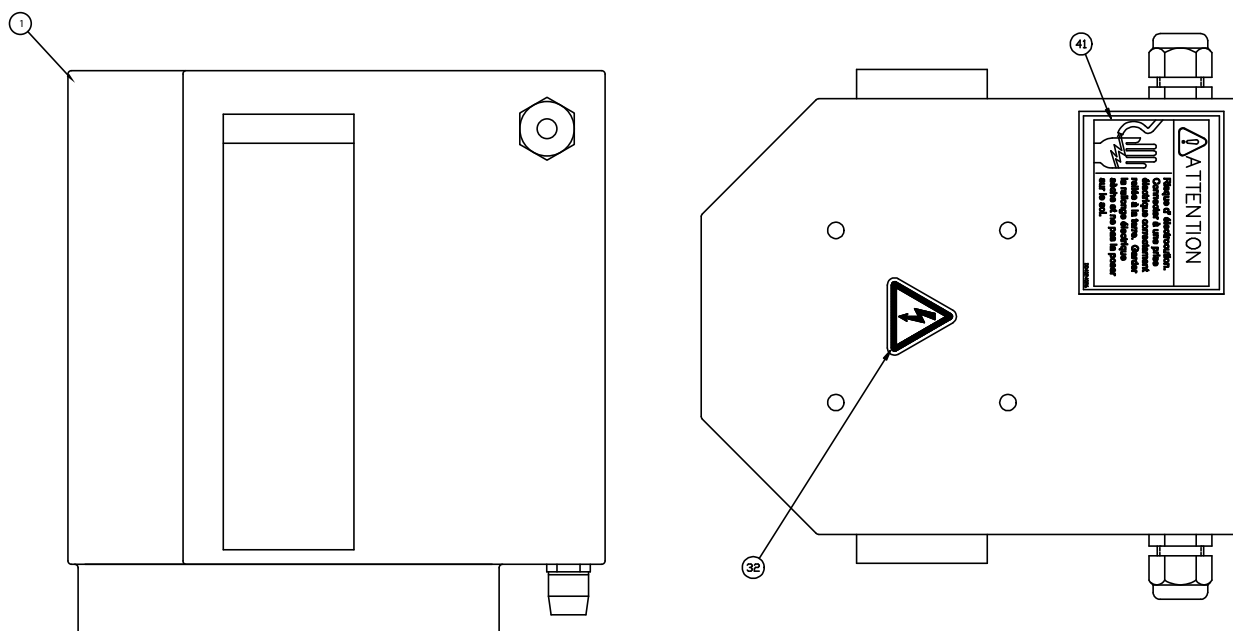


Figure 18B - DS1173900SR Shroud Electrical Assembly (230 V European)



Repair Parts List (Refer to figure 18A and 18B)

Item	Part Number	Qty.	Description
1	DS1054424E	1	Shroud
2	68375E	1	Fitting, Cord, L-Tight
3	85510E	1	Locknut, 1/2 inch
4	69604R	1	Power Cord, 1.6 Ft. Lg.
5	69778	1	Plug 16 A, 250V European
6	(See Fig. 21)	1	Pendant Assy.
7	88032E	1	RHMS 10-32 5/8" Lg.
8	DS1244380	1	Bridge Rectifier 1600V
9	B1322028	5	SHCS 10-32 x 1/2" Lg.
10	68623E	1	Bridge Rectifier 25A
11	69599E	1	Terminal Strip
12	68717E	1	Transformer
13	45175	4	SHCS 10-32 x 1/4" Lg. Plt.
14	DS1051380	1	EMI Filter
15	DS1064980	1	Relay, 30A/250V 12VDC
16	81145	2	BHCS 8-32 x 1/4" Lg.
17	DC8309380	1	Circuit Breaker, 12A
18	DC8200380	1	Reset Cap, Circuit Breaker
19	69754E	2	Fuse Holder, 250V
20	DC8371378	1	Fuse, 300mA
21	44491E	9	Flag, Quick-Disc. Blue
22	65888	11	Terminal, Push On
23	65887	6	Spade, Terminal
24	69917	2	Ring, Terminal

Repair Parts List (Refer to figure 18A and 18B)

Item	Part Number	Qty.	Description
25	DS1065452	A/R	Wire #14GA Strand Blue
26	46676	A/R	Wire #14GA Brown
27	68261B	A/R	Wire #14GA Black
28	68262B	A/R	Wire #14GA White
29	68093	2	Wire Nut, Blue
30	DC8237026	1	Decal, CB Reset
31	DS1169026	1	Decal, Transformer Fuse
32	DC9922026	1	Decal, High Voltage Not Used On Date Code "C"
33	DC8119026	1	Decal, ZE Ground
34	DC9984028	1	M6 x 40 Pan Hd. Screw
35	CCE1060108-6A	3	Star Washer, 6mm Zinc
36	CAE1060108-1A	1	Flat Washer, 6mm Zinc
37	CBE1060120-1D	3	Nut, M6
38	DS1066452	A/R	Wire #14GA Green/Yellow
39	DD1651026	1	Decal, Electric Shock Date code "B"
		2	Date Code "C"
40	DC9538021	1	Locking Nut, 20mm
41	DD4024026	1	Decal, Attention (French) Not Used On Date Code "C"
42	DC8400378	1	Fuse, 40 mA
44	DD9749380	1	Ferrite Core

A/R = As Required

Figure 19 - 115 Volt Wiring Diagram

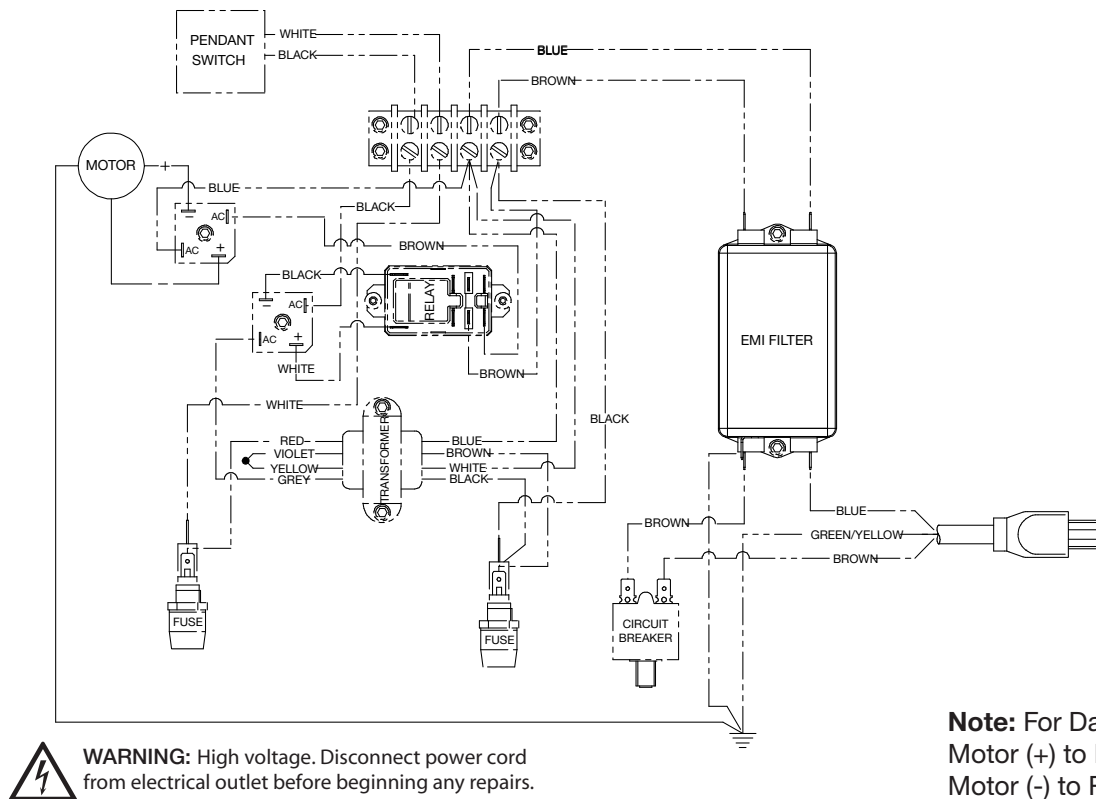
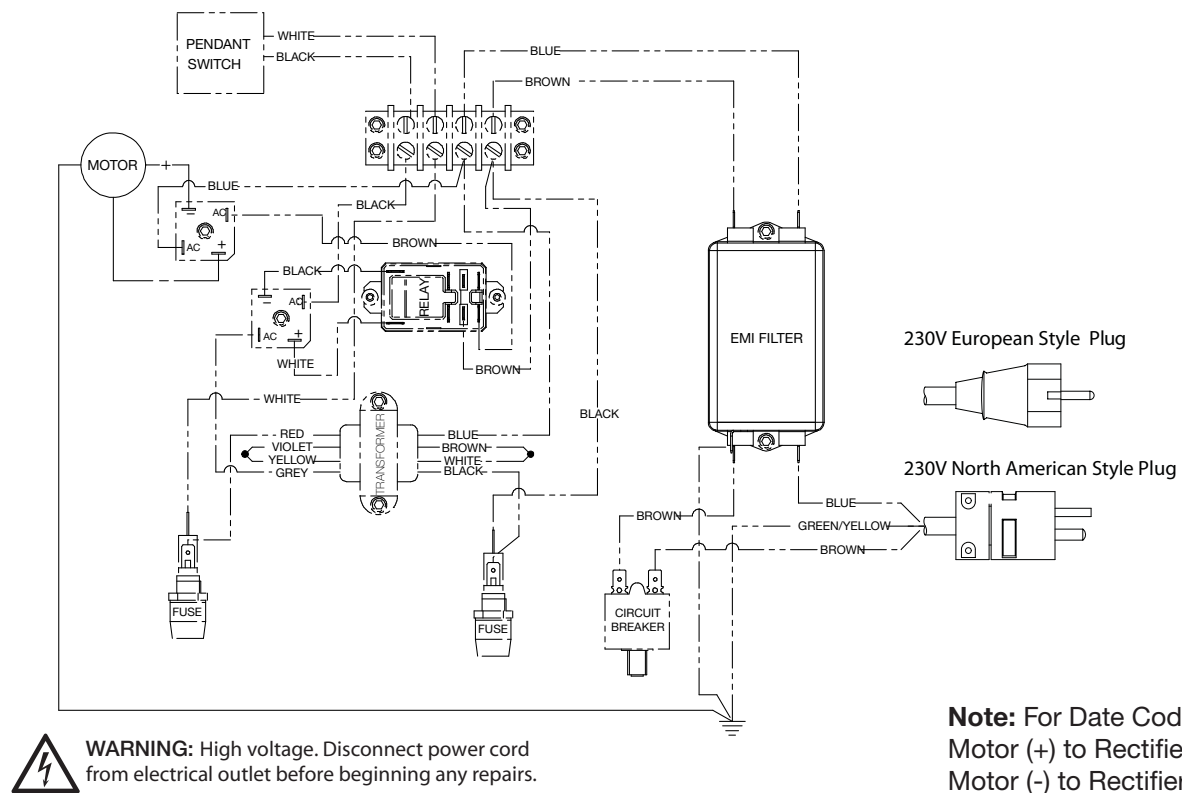
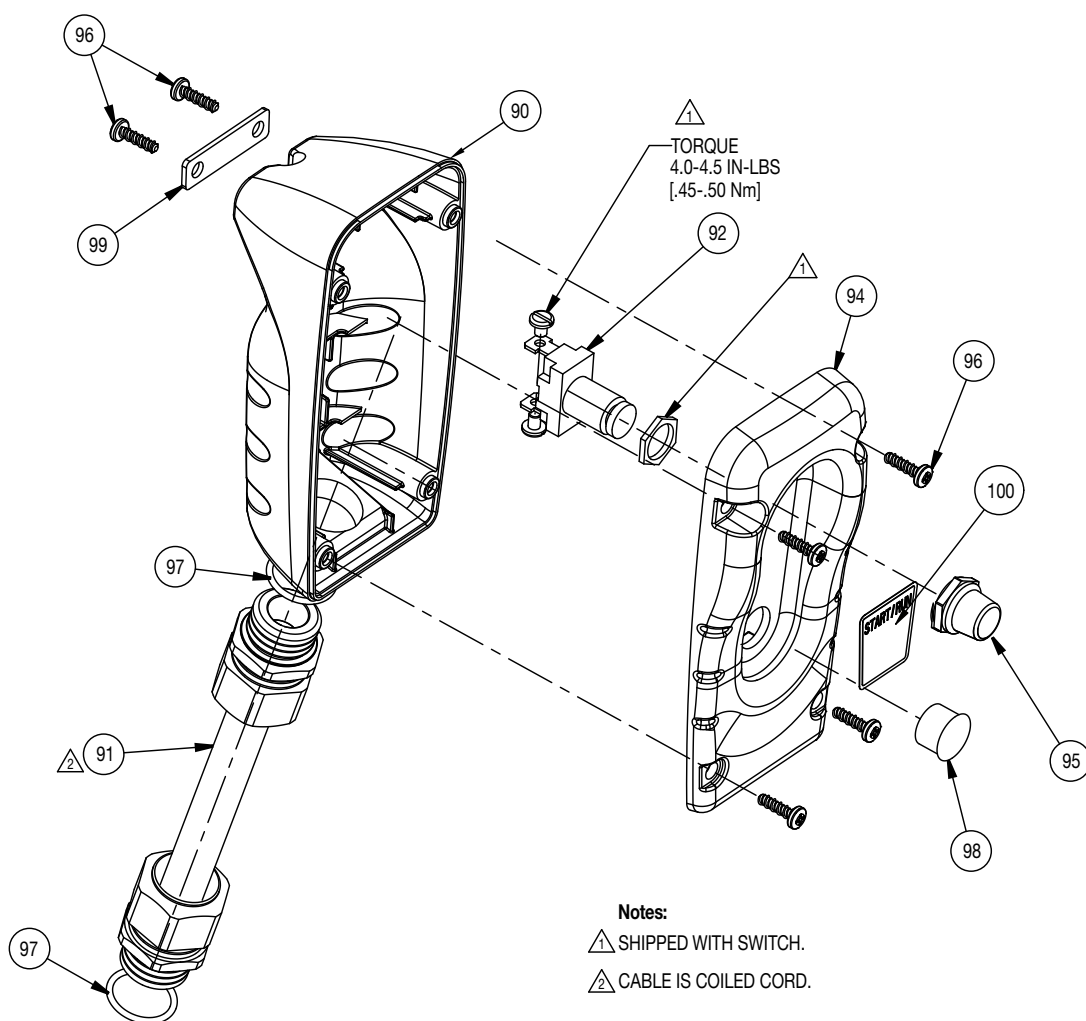


Figure 20 - 230 Volt Wiring Diagram





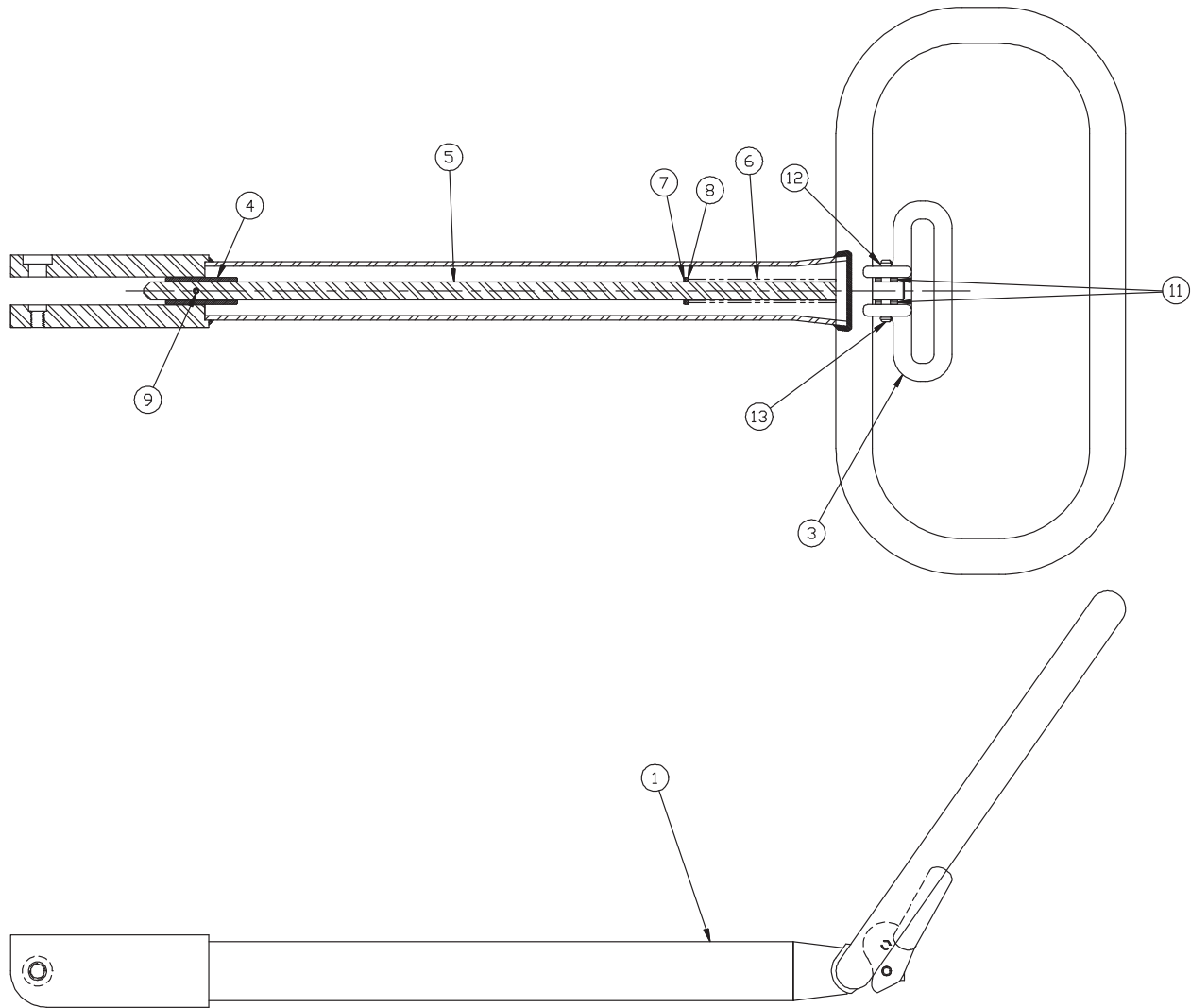
Repair Parts List for Figure 21

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
90	DC9425424	1	Enclosure, Lower	96	DC9428008	6	Screw, Hi-Low #8 x 1/2"
91	DS1075960	1	Cable Assembly	97	B1223503	2	O-Ring
	DD9706960	1	Cable Assembly, Starting With Date Code "C"	98	DC8228009	1	Dome Plug
92	DC8282379	1	Pendant Button, NO	99	DS1167101	1	Plate, Pendant Hook
94	DC8122424	1	Enclosure, Upper		DD9660101	1	Plate, Pendant Hook, Starting With Date Code "C"
95	DC8284379	1	Switch Cover	100	DD4333026	1	Decal, PR Pendant

Note: Pendant Assembly DD9745900SR includes all items shown above

Note: Cable is coiled cord, for Date Code "B" only

Figure 22 - 41961SR Upper Handle Assembly



Repair Parts List (Refer to figure 22)

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	41595E	1	Upper Weldment	8	41614E	1	Washer 9/16" ID x 3/32"
3	42368E	1	Handle Lock Lever	9	42497	1	Roll Pin 5/32 x 7/8"
4	41600	1	Sleeve	11	88429E	4	Washer SS 1/4"
5	41601E	1	Handle Rod	12	42340E	4	Pin Ring
6	41602E	1	Spring . 656 x 9.50"	13	42338E	2	Pin Handle Lever
7	41613E	1	E-Ring .8/.82 x .042				

NOTES:

[illegible]

