

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.

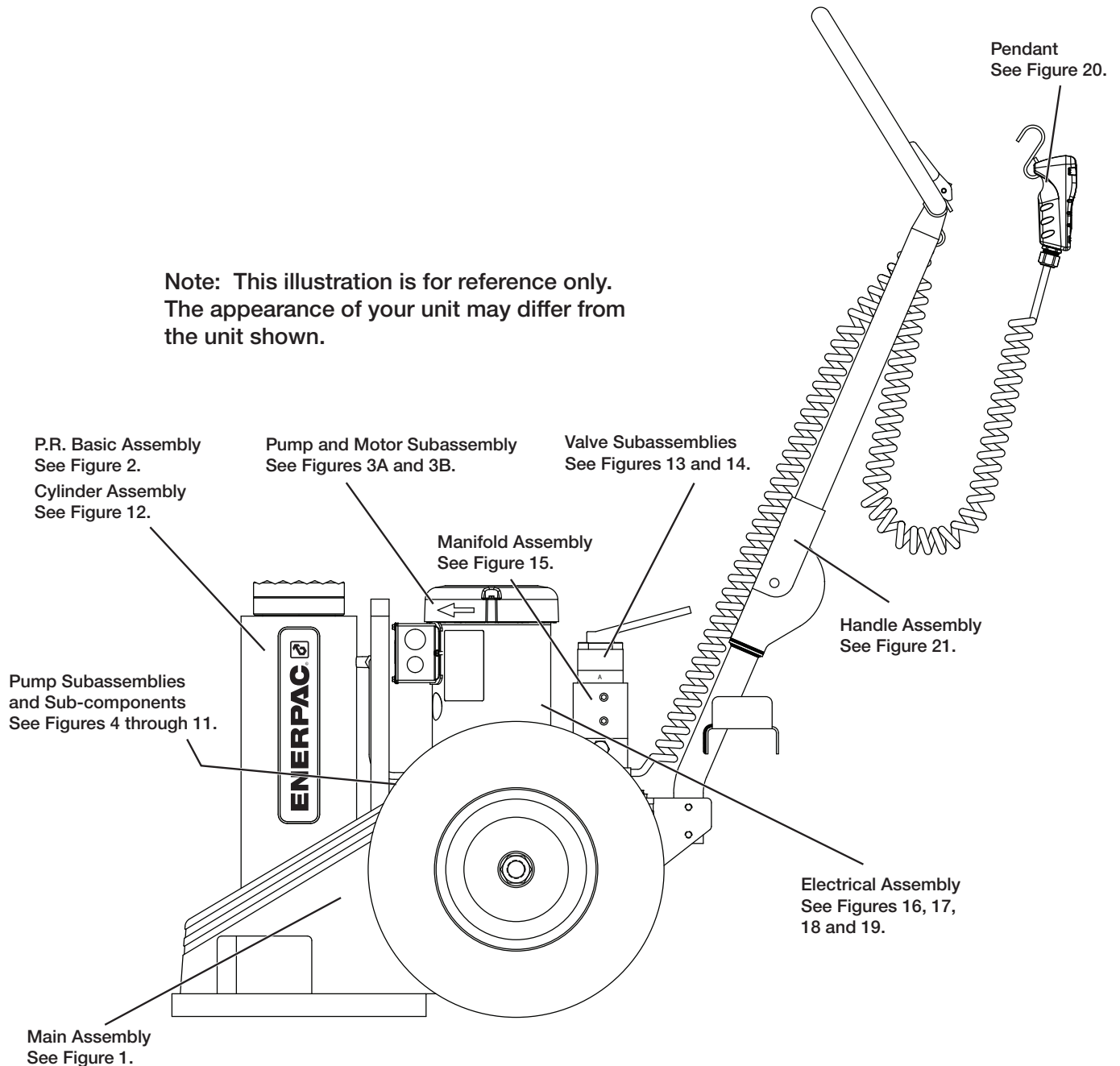
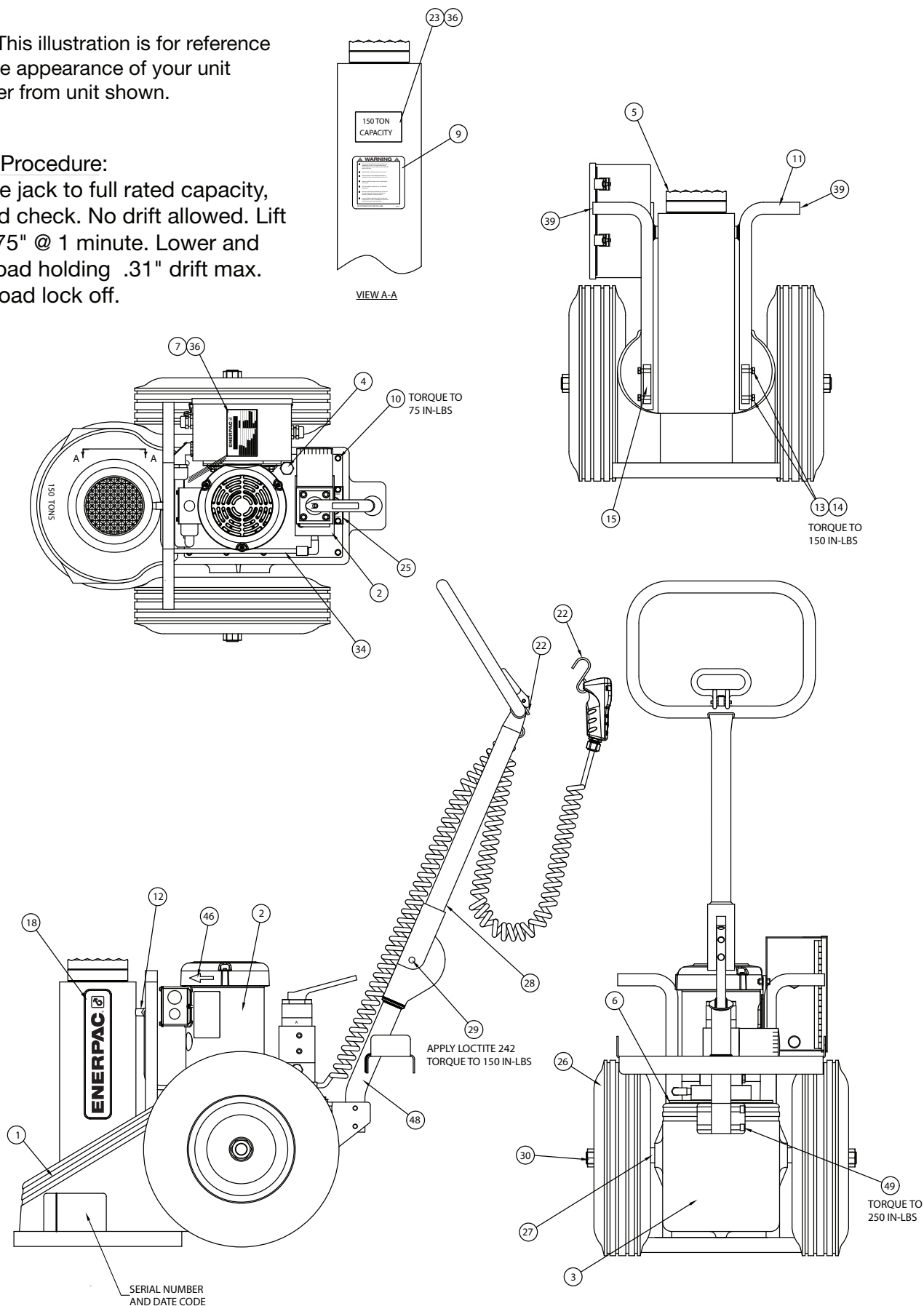


Figure 1 - Main Assembly

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 2.50-1.75" @ 1 minute. Lower and check load holding .31" drift max. before load lock off.



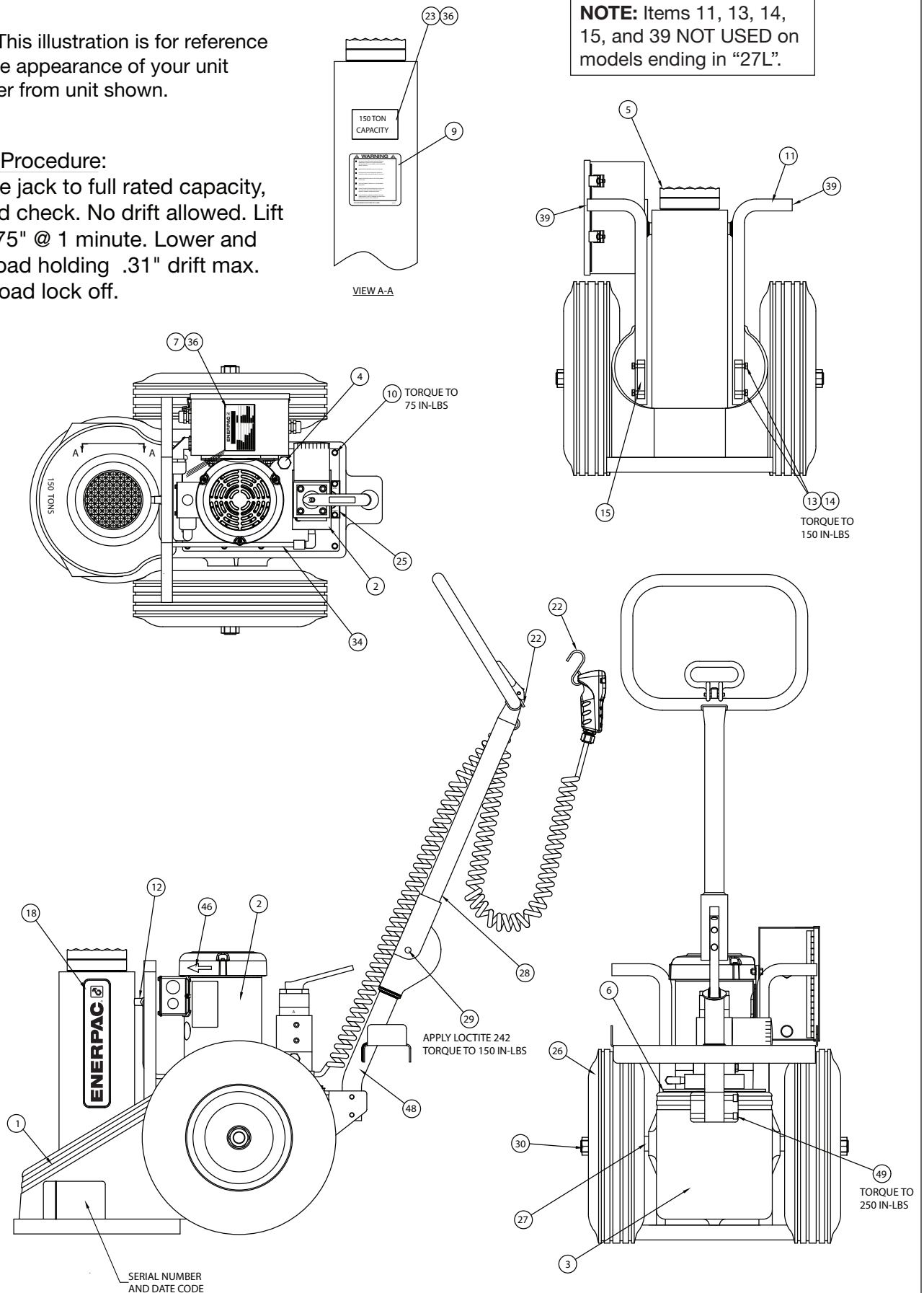
Repair Parts List - Models Ending in "16L" (Refer to figure 1)						
Item	Model				Qty.	Description
	PREMG15016L 230 VAC, 3 Phase	PREMW15016L 380 VAC, 3 Phase	PREMJ15016L 480 VAC, 3 Phase	PREMR15016L 575 VAC, 3 Phase		
1	42045SR	42045SR	42045SR	42045SR	1	Pow'r Riser Basic Asm (See Figure 2)
2	DS1170900SR	DS2177900SR	DS1171900SR	DS1172900SR	1	Subassembly, Pump and Motor (See Figure 3)
4	88743E	88743E	88743E	88743E	1	Plug Hex O-Ring
5	42208E	42208E	42208E	42208E	1	Load Cap PR Long Stm
6	85469E	85469E	85469E	85469E	1	Gasket
7	DS1186026	DS2967026	DS2968026	DS2969026	1	Model Label
9	89292E	89292E	89292E	89292E	1	Decal, Warning PWR R
10	B2005046E	B2005046E	B2005046E	B2005046E	14	Screw 1/4-20 x 3/4" St
11	42358E	42358E	42358E	42358E	1	Lifting Bar 24" PR
12	40085E	40085E	40085E	40085E	1	Male Elbow 3/8-3/8"
13	42363E	42363E	42363E	42363E	4	HCS 5/16-18 x 1.25" Plt.
14	B1016066	B1016066	B1016066	B1016066	4	Lock Washer 5/16"
15	42365E	42365E	42365E	42365E	2	Nut Plt - Lift Bar
18	89967E	89967E	89967E	89967E	1	Enerpac Logo - Large
22	42367E	42367E	42367E	42367E	2	S-Hook, Pendant
23	42532E	42532E	42532E	42532E	1	Label 150 Ton Capacity
25	86027E	86027E	86027E	86027E	1	Control Valve Plate
26	41944E	41944E	41944E	41944E	2	Tire/Rim Assembly
27	41945E	41945E	41945E	41945E	2	Spacer
28	41961SR	41961SR	41961SR	41961SR	1	Handle Assembly
29	41983E	41983E	41983E	41983E	1	Screw Shoulder
30	46053E	46053E	46053E	46053E	2	1"-8 Hex Lock Nut
34	41977E	41977E	41977E	41977E	1	Tube 15026
36	46539E	46539E	46539E	46539E	1	Decal Overlay
39	43021E	43021E	43021E	43021E	2	Square Hole Plug PR
46	68094E	68094E	68094E	68094E	1	Decal, Arrow
48	42281E	42281E	42281E	42281E	1	Lower Weldment 5" PR
49	84692E	84692E	84692E	84692E	2	SHC 3/8-16 x 1.75"

Figure 1 - Main Assembly (repeated)

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

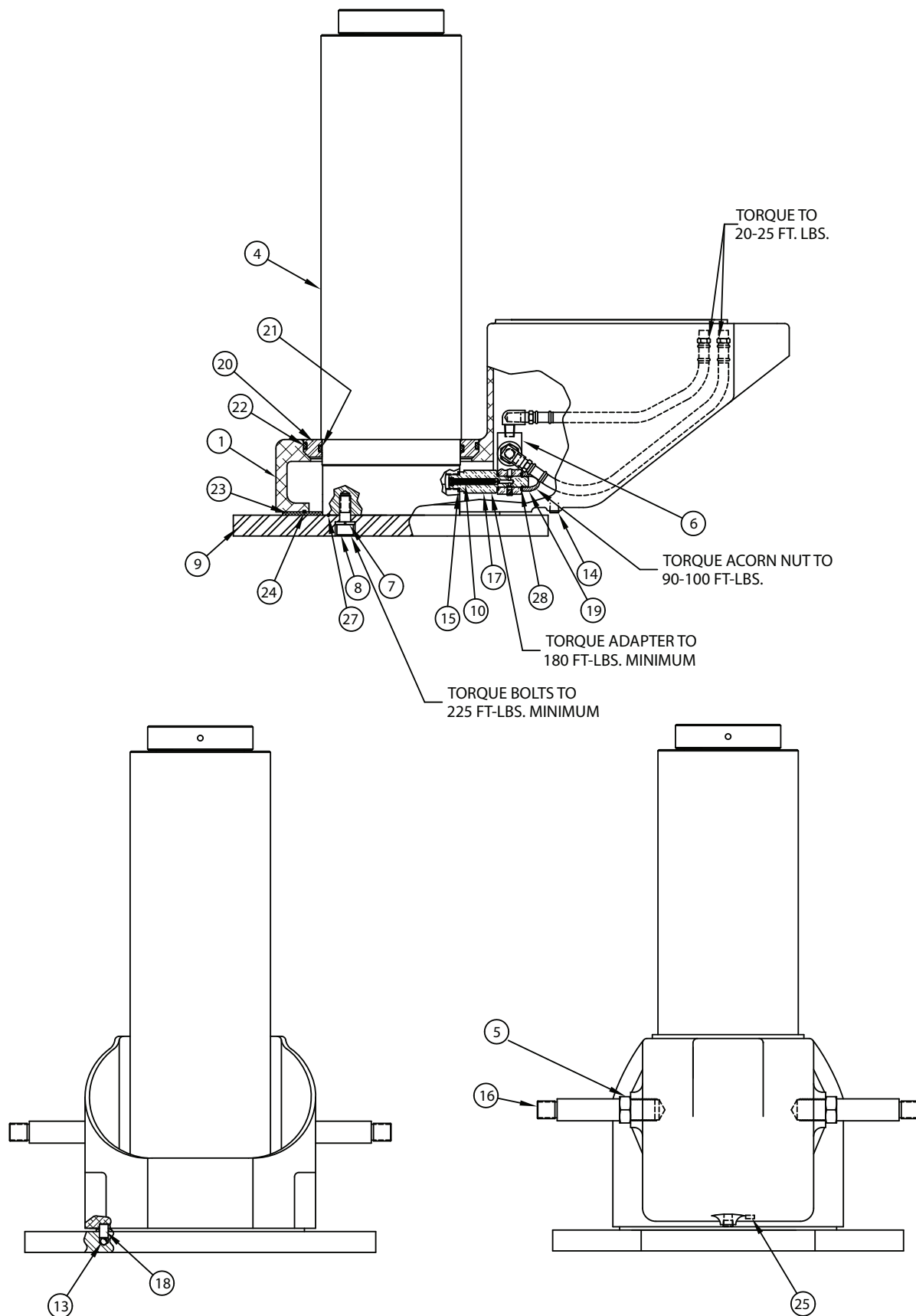
Testing Procedure:

Load the jack to full rated capacity, hold and check. No drift allowed. Lift 2.50-1.75" @ 1 minute. Lower and check load holding .31" drift max. before load lock off.



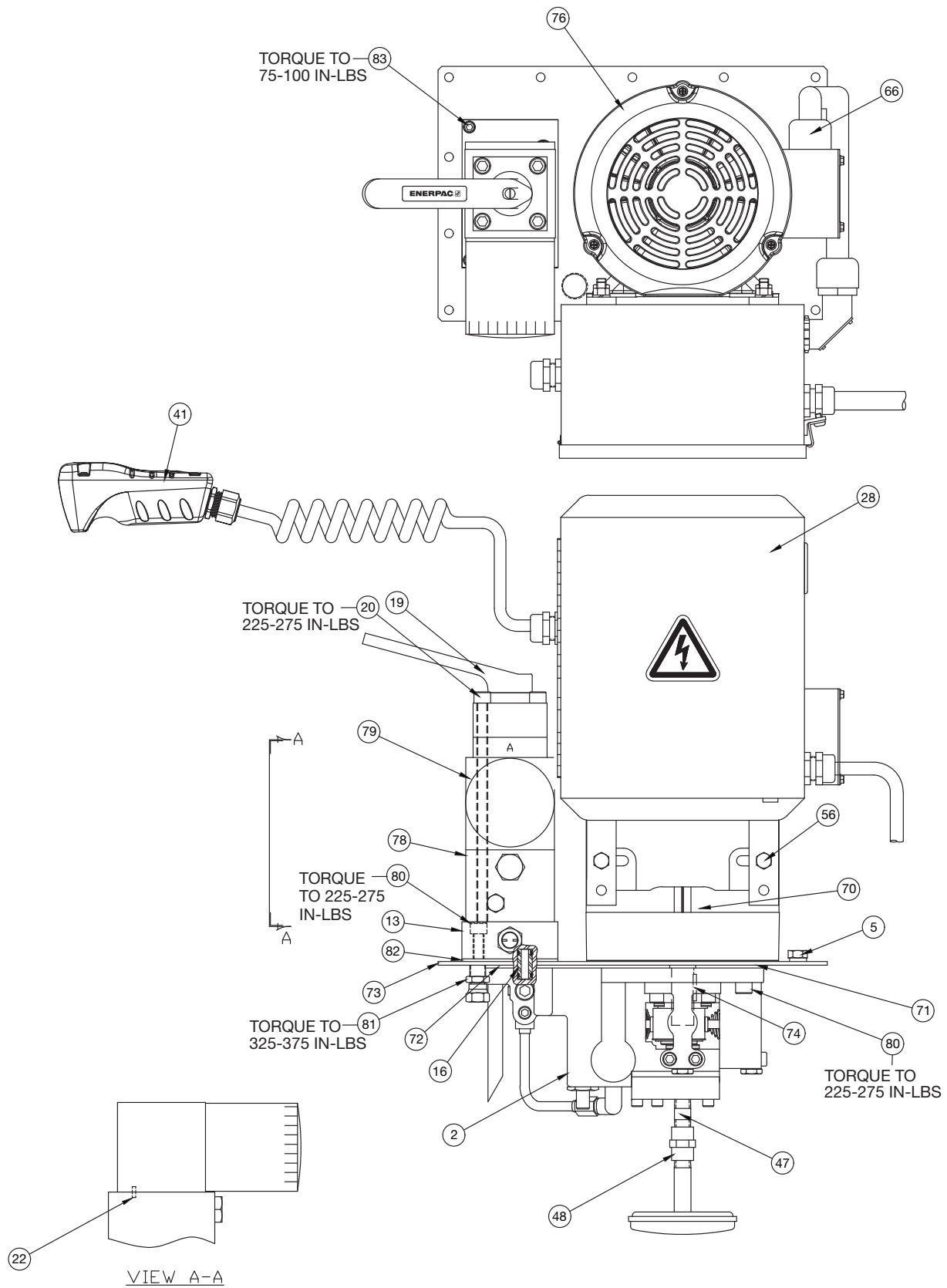
Repair Parts List - Models Ending in "27L" (Refer to figure 1)						
Item	Model				Qty.	Description
	PREMG15027L 230 VAC, 3 Phase	PREMW15027L 380 VAC, 3 Phase	PREMJ15027L 480 VAC, 3 Phase	PREMR15027L 575 VAC, 3 Phase		
1	41943SR	41943SR	41943SR	41943SR	1	Pow'r Riser Basic Asm (See Figure 2)
2	DS1170900SR	DS2177900SR	DS1171900SR	DS1172900SR	1	Subassembly, Pump and Motor (See Figure 3)
4	88743E	88743E	88743E	88743E	1	Plug Hex O-Ring
5	42208E	42208E	42208E	42208E	1	Load Cap PR Long Stm
6	85469E	85469E	85469E	85469E	1	Gasket
7	46382E	DS2970026	DS2971026	DS2972026	1	Model Label
9	89292E	89292E	89292E	89292E	1	Decal, Warning PWR R
10	B2005046E	B2005046E	B2005046E	B2005046E	14	Screw 1/4-20 x 3/4" St
11	N/A	N/A	N/A	N/A	1	Lifting Bar 24" PR
12	40085E	40085E	40085E	40085E	1	Male Elbow 3/8-3/8"
13	N/A	N/A	N/A	N/A	4	HCS 5/16-18 x 1.25" Plt.
14	N/A	N/A	N/A	N/A	4	Lock Washer 5/16"
15	N/A	N/A	N/A	N/A	2	Nut Plt - Lift Bar
18	89967E	89967E	89967E	89967E	1	Enerpac Logo - Large
22	42367E	42367E	42367E	42367E	2	S-Hook, Pendant
23	42532E	42532E	42532E	42532E	1	Label 150 Ton Capacity
25	86027E	86027E	86027E	86027E	1	Control Valve Plate
26	41944E	41944E	41944E	41944E	2	Tire/Rim Assembly
27	41945E	41945E	41945E	41945E	2	Spacer
28	41961SR	41961SR	41961SR	41961SR	1	Handle Assembly
29	41983E	41983E	41983E	41983E	1	Screw Shoulder
30	46053E	46053E	46053E	46053E	2	1"-8 Hex Lock Nut
34	41978E	41978E	41978E	41978E	1	Tube 15037
36	46539E	46539E	46539E	46539E	1	Decal Overlay
39	N/A	N/A	N/A	N/A	2	Square Hole Plug PR
46	68094E	68094E	68094E	68094E	1	Decal, Arrow
48	42281E	42281E	42281E	42281E	1	Lower Weldment 5" PR
49	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



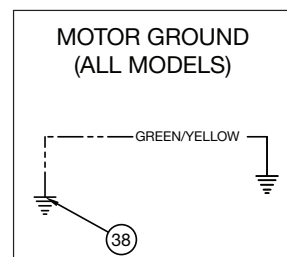
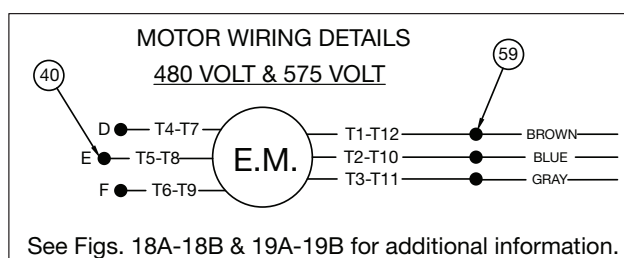
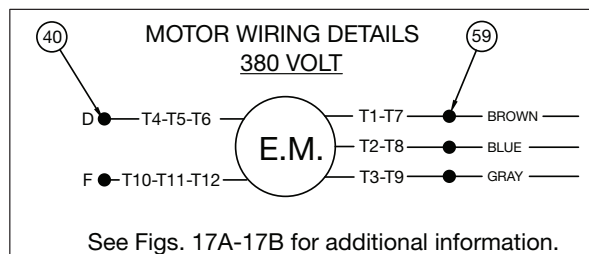
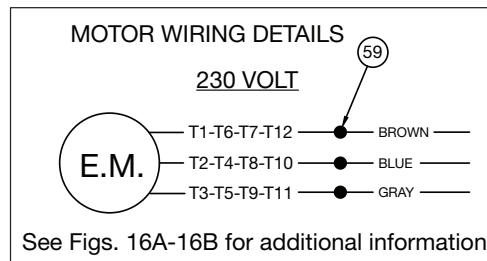
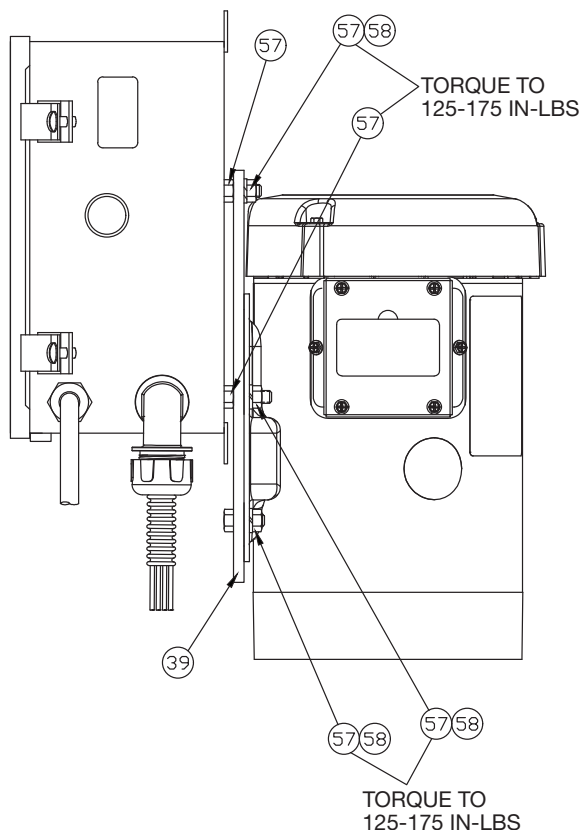
Repair Parts List (Refer to figure 2)				
Item	Model		Qty.	Description
	PREMG15016L 230 VAC, 3 Phase PREMW15016L 380 VAC, 3 Phase PREMJ15016L 480 VAC, 3 Phase PREMR15016L 575 VAC, 3 Phase	PREMG15027L 230 VAC, 3 Phase PREMW15027L 380 VAC, 3 Phase PREMJ15027L 480 VAC, 3 Phase PREMR15027L 575 VAC, 3 Phase		
BASIC ASSY	42045SR	41943SR		
1	41886E	41886E	1	Housing Mach P. R.
4	(See Fig 12)	(See Fig 12)	1	150 Ton Cylinder Assy.
5	85477E	85477E	2	Jam Nut
6	(See Fig. 11)		1	O.C. Valve and Hoses
7	93947E	93947E	6	Lock Washer 5/8"
8	93605E	93605E	6	SHCS 5/8-11 x 1.5" Lg.
9	41975E	41975E	1	150 Ton P.R. Base
10	89754E	89754E	1	Screen - 2" Nipple
13	44968E	44968E	2	Rubber Ball 3/8" 70
14	93950E	93950E	1	1/4" Soc Pipe Plug
15	◆	◆	1	Gasket Adapter
16	41948E	41948E	2	Axle Shaft
17	41947E	41947E	1	Adapter O.C. Valve
18	42275E	42275E	2	PR Base Pin
19	46740E	46740E	1	Acorn Nut 5/8-11
20	41974E	41974E	1	Ring
21	◆	◆	1	O-Ring 7-3/4 x 8-1/4"
22	◆	◆	1	O-Ring 9" x 9-1/2"
23	◆	◆	1	Gasket Base
24	◆	◆	1	O-Ring Power Riser
25	66021E	66021E	1	Magnet
27	◆	◆	1	O-Ring 7" x 7-1/4"
28	68183E	68183E	1	Gasket Plug
◆ Included in 54411K Repair Kit.				

Figure 3A - Pump and Motor Sub-Assembly - View 1 of 2
 DS1170900SR (230 VAC 3 Phase)
 DS2177900SR (380 VAC 3 Phase)
 DS1171900SR (480 VAC 3 Phase)
 DS1172900SR (575 VAC 3 Phase)



Repair Parts List (Refer to figure 3A)						
Item	Part Number				Qty.	Description
	Pump and Motor Assy. DS1170900SR (230 VAC 3 Phase)	Pump and Motor Assy. DS2177900SR (380 VAC 3 Phase)	Pump and Motor Assy. DS1171900SR (480 VAC 3 Phase)	Pump and Motor Assy. DS1172900SR (575 VAC 3 Phase)		
2	(See Fig. 4)				1	Pump Asm 4P 3 HP.
5	69264E	69264E	69264E	69264E	1	Breather Vent
13	(See Fig. 15)				1	Manifold Asm NPR
16	(See Fig. 10)				1	Adapter Assy.
19	(See Fig. 13)				1	Control Valve Asm.
20	42383E	42383E	42383E	42383E	4	SHCS 3/8-16 x 8.0"
22	B1049057	B1049057	B1049057	B1049057	1	Spring Pin
28	DS1168960	DS2176960	DS1184960	DS1185960	1	Electrical Box Assembly
38	69917E	69917E	69917E	69917E	1	Ring Terminal, 1/4"
39	45977E	45977E	45977E	45977E	2	Spacer Plate
40	(not used)	68657E	68657E	68657E	3	Wire Nut, Orange
41	(See Fig. 20)				1	Pendant Assembly
47	69442E	69442E	69442E	69442E	1	Nipple 1/4 NPT x 3"
48	80241E	80241E	80241E	80241E	1	Pipe Coupling 1/4"
55	88187E	88187E	88187E	88187E	1	Decal, Enerpac
56	93535E	93535E	93535E	93535E	2	HHCS 5/16-18 x .75" Lg.
57	Y0001045E	Y0001045E	Y0001045E	Y0001045E	4	Nut, Hex 5/16-18 Zinc Plt.
58	B1016066	B1016066	B1016066	B1016066	6	Washer (service only)
59	84983E	84983E	84983E	84983E	3	Wire Nut, Tan
66	68961E	68961E	68961E	68961E	1	Connectors, Nylon
70	★ 66012E	★ 66012E	★ 66012E	★ 66012E	1	Gasket-Motor
71	★ 68231E	★ 68231E	★ 68231E	★ 68231E	1	Gasket-Pump @ Motor
72	★ 68551E	★ 68551E	★ 68551E	★ 68551E	1	Gasket-Pump @ Valve
73	DD6038101E	DD6038101E	DD6038101E	DD6038101E	1	Reservoir Cover Plate
74	69026E	69026E	69026E	69026E	1	Pin Dowel 3/16-1
76	DS1025259E	DS1025259E	DS1025259E	DS1025259E	1	Motor, 3 HP 230/380/480 3 Phase
78	(See Fig. 14)				1	Locking Valve w/relief
79	(See Fig. 9)				1	Filter Block Asm
80	86184E	86184E	86184E	86184E	5	SHCS 3/8-16 x 1-1/2"
81	41964E	41964E	41964E	41964E	2	Swivel Fitting
82	DD6106037E	DD6106037E	DD6106037E	DD6106037E	1	Valve Gasket
83	B1013028X	B1013028X	B1013028X	B1013028X	2	SHCS, 1/4-20 x 1.25" Lg.
★Included in 54177K Repair Kit.						

Figure 3B - Pump and Motor Sub-Assembly - View 2 of 2
DS1170900SR (230 VAC 3 Phase)
DS2177900SR (380 VAC 3 Phase)
DS1171900SR (480 VAC 3 Phase)
DS1172900SR (575 VAC 3 Phase)



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

Repair Parts List (Refer to figure 3B)

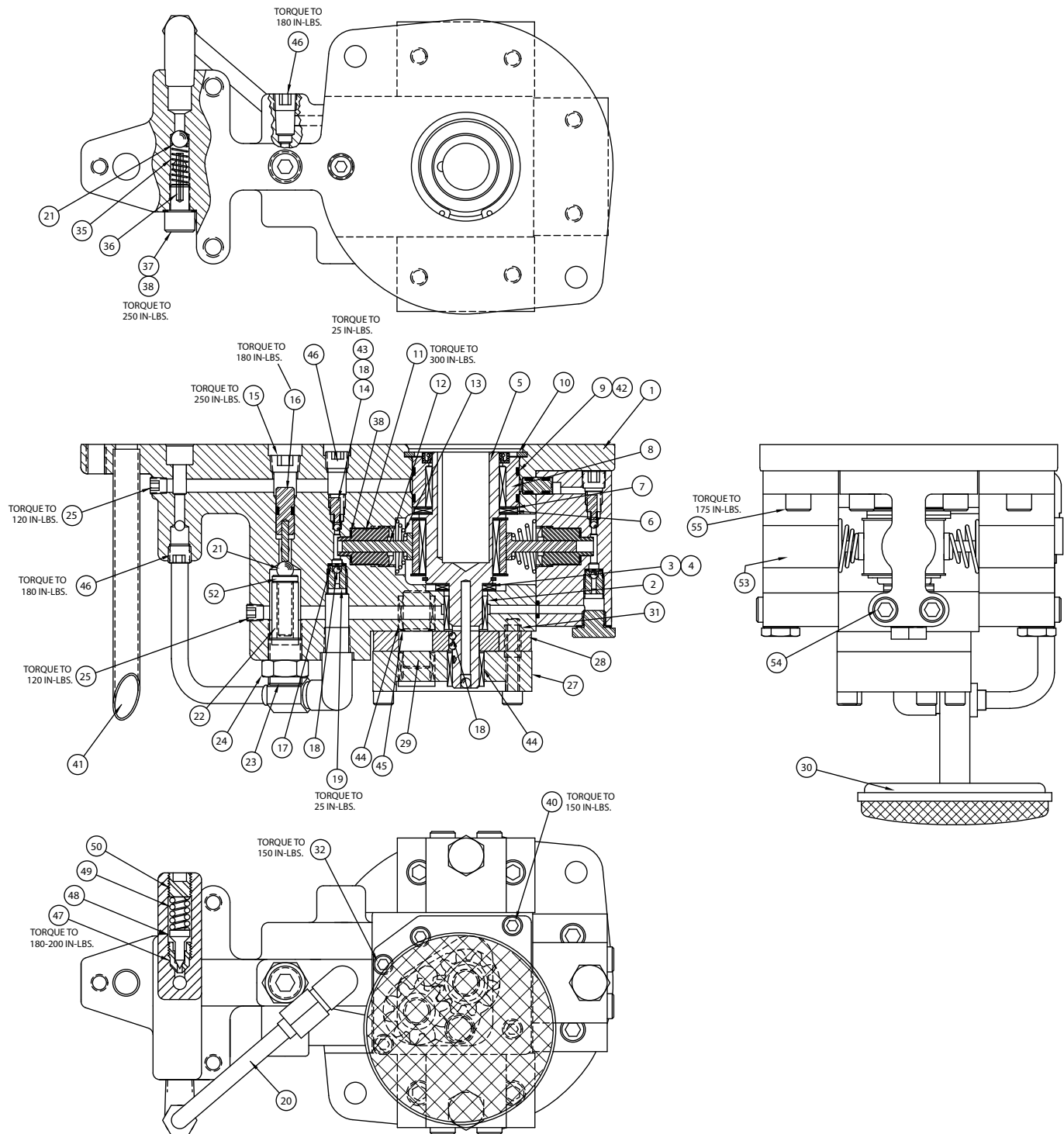
Item	Part Number				Qty.	Description
	Pump and Motor Assy. DS1170900SR (230 VAC 3 Phase)	Pump and Motor Assy. DS2177900SR (380 VAC 3 Phase)	Pump and Motor Assy. DS1171900SR (480 VAC 3 Phase)	Pump and Motor Assy. DS1172900SR (575 VAC 3 Phase)		
38	69917E	69917E	69917E	69917E	1	Ring Terminal, 1/4"
39	45977E	45977E	45977E	45977E	1	Spacer Plate
40	(not used)	68657E	68657E	68657E	3	Wire Nut, Orange
57	Y0001045E	Y0001045E	Y0001045E	Y0001045E	4	Nut, Hex 5/16-18 Zinc Plt.
58	B1016066	B1016066	B1016066	B1016066	6	Lock Washer
59	84983E	84983E	84983E	84983E	3	Wire Nut, Tan

Note: Electrical box contains four threaded mounting studs.

NOTES:

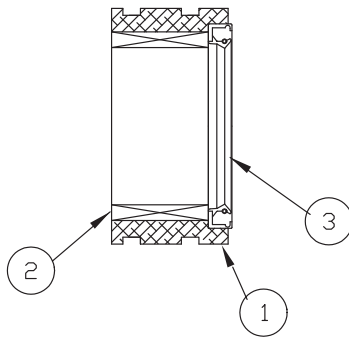
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Figure 4 - 69445SR Pump Assembly



Repair Parts List (Refer to figure 4)							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	44917E	1	Pump Body 4 Piston	27	68849E	1	Plate-Bottom
2	68360E	1	Bearing, Roller	28	68855E	1	Gear Set 3/8"
3	66033E	1	Thrust Bearing	29	68850E	1	Shaft-Idler
4	66474E	2	Thrust Washer	30	★ 68884E	1	Screen
5	(See Fig. 7)	1	Eccentric Shaft Assembly	31	68922E	2	Tube-Guide .22
6	66106E	1	Thrust Bearing	32	B1016028	4	SHCS
7	66108E	2	Thrust Washer	35	68225E	1	Spring
8	(See Fig. 5)	1	Adapter-Shaft Asm.	36	B1058057	1	Roll Pin .13 x 15/16"
9	★ 56020322E	2	O-Ring 1-7/8 x 2" Ure	37	68226E	1	Screw, Ball Stop
10	68978E	1	Retaining Ring	38	85726E	2	Gasket 25/64 x 19/32"
11	68915E	1	Adaptor .210 Piston	40	68255E	4	SHCS 1/4-28 x 1-3/4"
12	68830E	1	Piston .210 Dia.	41	68569E	1	Tube Return
13	68340E	1	Spring, Piston	42	★ 69513E	2	Shaft Adp Backup Was.
14	68810E	1	Ball Stop	43	66042E	1	Spring
15	93950E	1	1/4" Soc Pipe Plug	44	68891E	3	Bearing
16	(See Fig. 6)	1	Unloading Piston Assy	45	68892E	1	Ring-Retaining
17	66043E	1	Ball Retainer	46	A1007245	3	Pipe Plug 1/8" Flush
18	90906E	6	Ball 1/8"	47	▲ 68004E	1	Seat - Ext Relief
19	66046E	1	Intake Seat	48	▲ 68003E	1	Cone - Ext Relief
20	68851E	1	Tube Asm	49	▲ 66085E	1	Spring - Relief Valve
21	B1009016	2	Ball 5/16"	50	66083E	1	Relief Valve Adj. Screw
22	43671E	1	Unloading Spring	52	43673E	1	Spring Cap
23	43674E	1	Set Screw Unloading Valve	53	(See Fig. 8)	3	Piston Blk .210
24	43675E	1	Hex Nut Unloading Valve	54	B1356028	6	SHCS 5/16-24 x 1.75"
25	97641E	2	1/16" Soc Pipe Plug	55	82687E	6	SHCS 5/16-24 x 5/8"
★ Included in 54177K Repair Kit. ▲ Included in 55057K Relief Kit.							

Figure 5 - 68829SR Adapt-Shaft Assembly

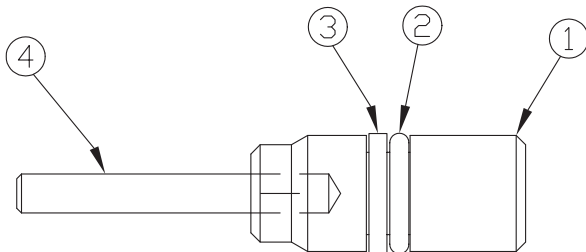


Repair Parts List (Refer to figure 5)

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

★Included in Repair Kit 54177K.

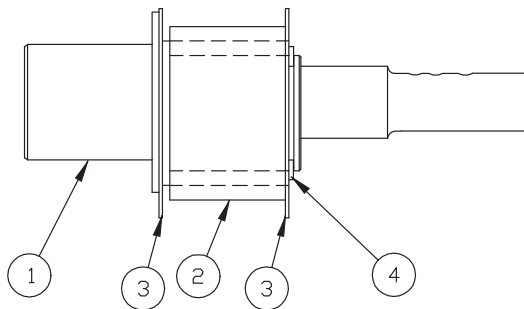
Figure 6 - 43766SR Unloading Piston Assembly



Repair Parts List (Refer to figure 6)

Item	Part Number	Qty.	Description
1	43765E	1	Unload Piston
2	B1004503	1	O-Ring
3	B1009564	1	Back-Up Washer
4	43686E	1	Roll Pin

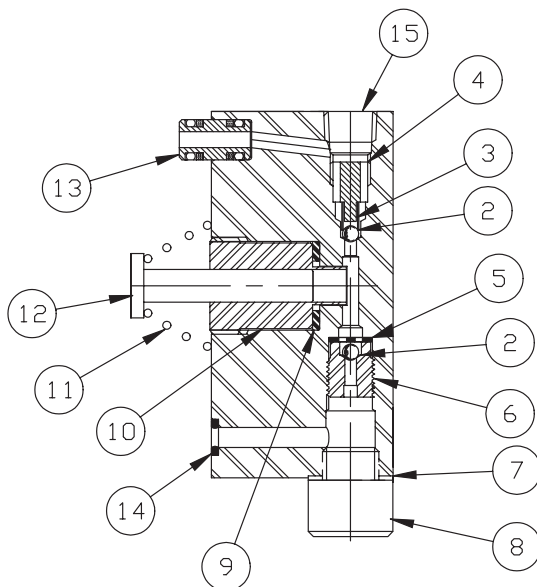
Figure 7 - 68906SR Eccentric Shaft Assembly



Repair Parts List (Refer to figure 7)

Item	Part Number	Qty.	Description
1	68907E	1	Eccentric Shaft
2	68818SR	1	Bearing
3	69475E	2	Bearing Washer
4	67863E	1	Retaining Ring
5	B1005016	1	Ball

Figure 8 - 68832SR Piston Block Assembly

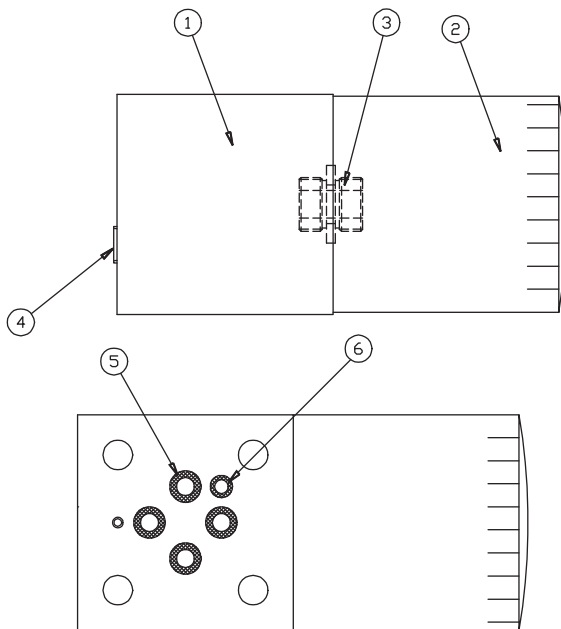


Repair Parts List (Refer to figure 8)

Item	Part Number	Qty.	Description
2	90906E	2	Ball 1/8"
3	66042E	1	Spring
4	68810E	1	Ball Stop
5	66043E	1	Ball Retainer
6	66046E	1	Intake Seat
7	86269E	1	Gasket 29/64" x 5/8"
8	68825E	1	Plug, Piston Block
9	85726E	1	Gasket 25/64 x 19/32"
10	68915E	1	Adaptor .210 Dia.
11	68340E	1	Spring, Piston
12	68830E	1	Piston, .210 Dia.
13	68970SR	1	Adapter Assy.
14	★ B1003503	1	O-Ring 3/16 x 5/16"
15	A1007245	1	Pipe Plug 1/8" Flush

★Included in Repair Kit 54177K.

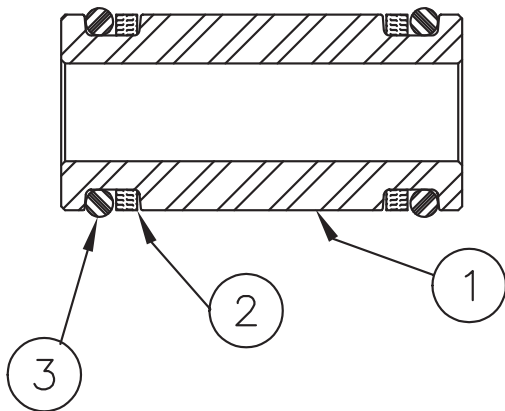
Figure 9 - 69740USR Filter Block Assembly



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	B1003503	1	O-Ring 3/16 x 5/16"

Figure 10 - 68963SR Adapter Assembly

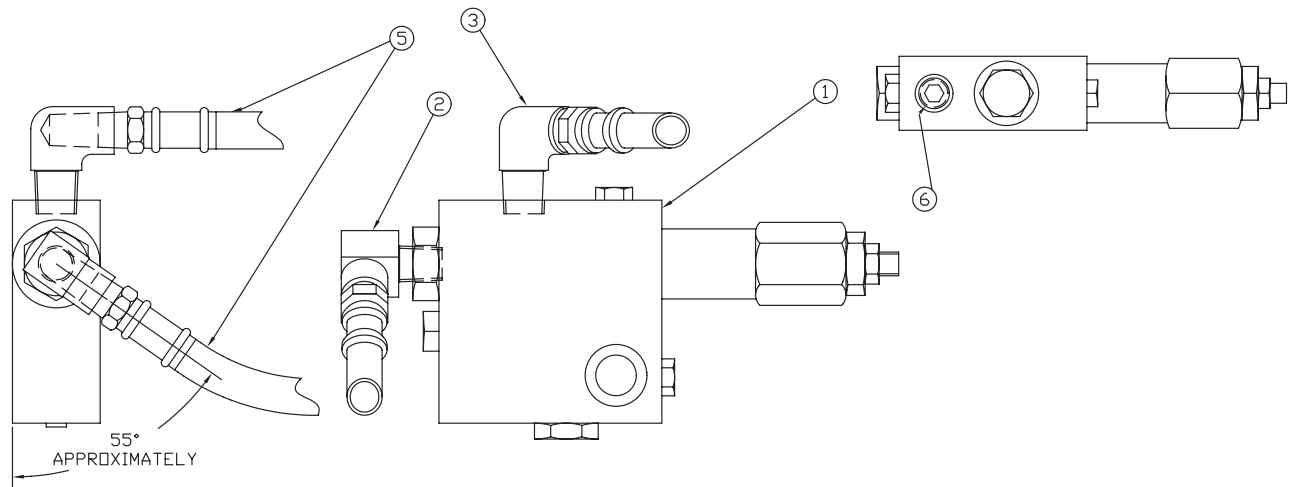


Repair Parts List (Refer to figure 10)

Item	Part Number	Qty.	Description
1	88073E	1	Valve Adapter
2	★ B1012564	2	B-U Ring
3	B1007503	2	O-Ring, - 012

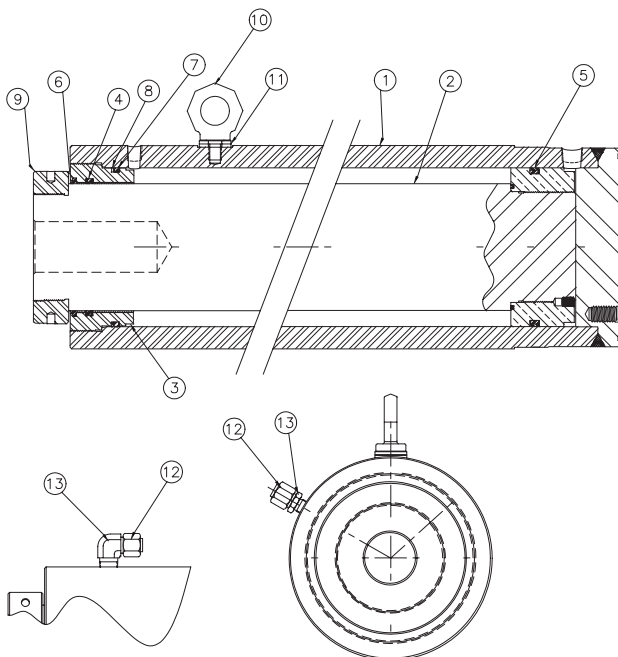
★Included in Repair Kit 54177K.

Figure 11 - 42353SR OC Valve Subassembly



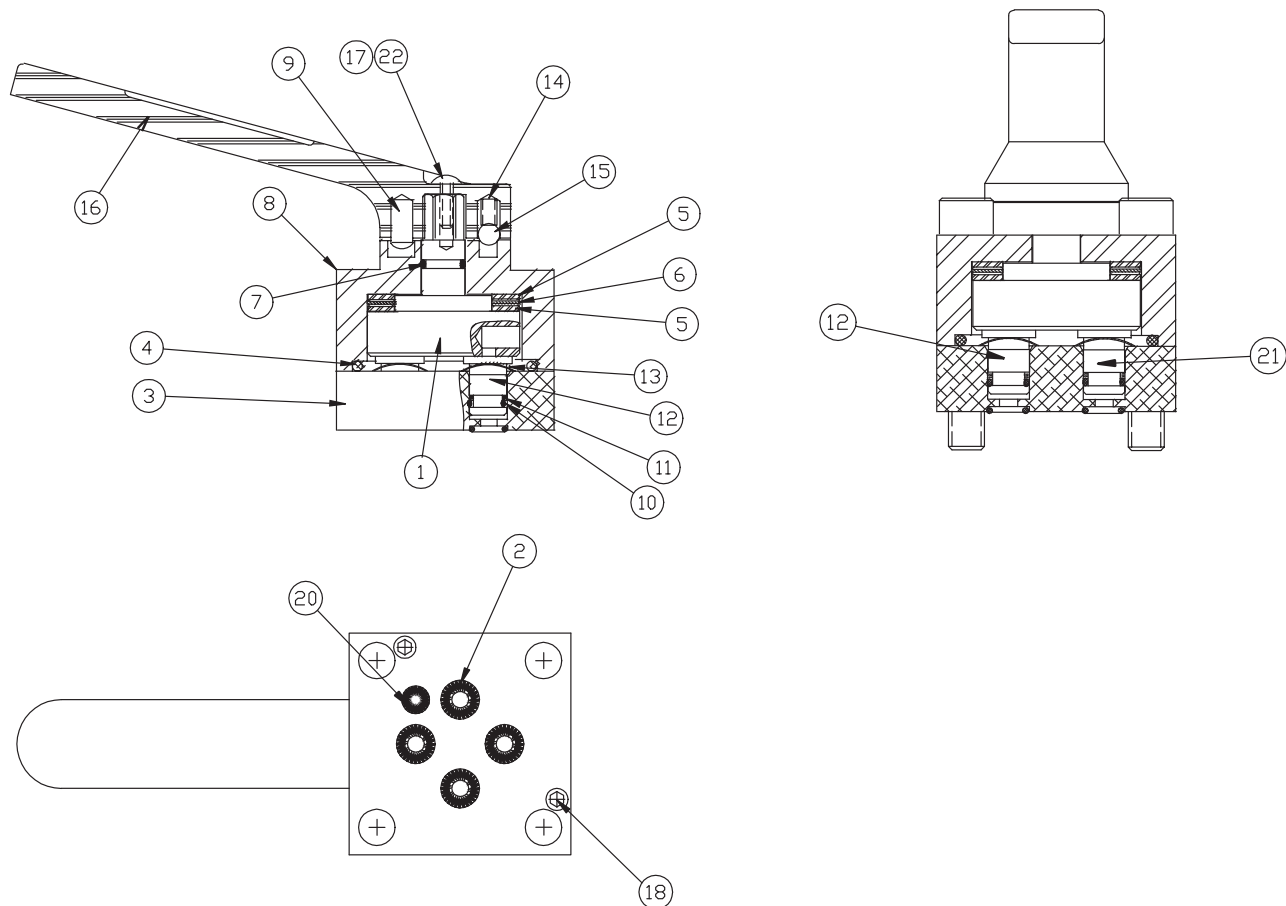
Repair Parts List (Refer to figure 11)				
Item	Model	Qty.	Description	
1	69522MSR	1	O.C. Valve Asm New PR	
2	18970E	1	Elbow 1/4" 90 Deg Strt	
3	42352E	1	Elbow 1/4-3/8" 90 Strt	
5	42354E	2	Hose 1/4 x 17" Nw PR	
6	84084E	1	3/8" Pipe Plug - Flush	

Figure 12 - S42050SR, 41926SR Cylinder Assy.



Repair Parts List (Refer to figure 12)				
Model	PREM_15016L (all versions)	PREM_15027L (all versions)		
Item	Asm. S42050SR	Asm. 41926SR	Qty.	Description
1	42048E	41927E	1	Cylinder Weldment
2	42051SR	41930SR	1	Piston Rod Asm.
3	41933E	41933E	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	2	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.				

Figure 13 - 69101SR 4-Way Manual Valve Subassembly

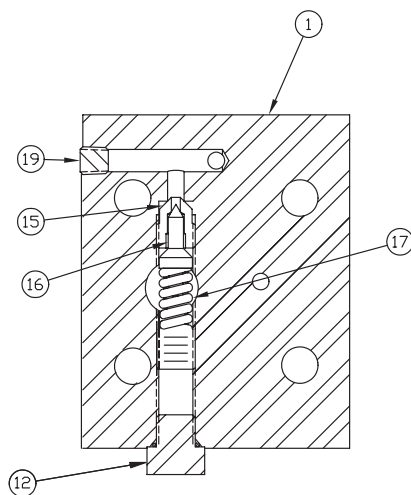
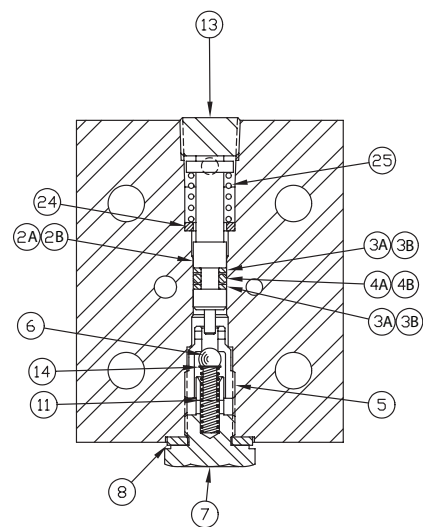


Repair Parts List (Refer to figure 13)

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	43762E	1	Valve Rotor	12	68029E	1	Shear Seal
2	* 56020112E	4	O-Ring	13	68028E	3	Spring Washer
3	68180E	1	Subplate - Valve	14	68025E	1	Detent Spring
4	* B1091503	1	O-Ring	15	B1007016	1	Ball
5	68026E	2	Thrust Washer	16	69091E	1	Valve Handle
6	68155E	1	Thrust Bearing	17	44595E	1	Screw
7	* B1007503	1	O-Ring	18	85317E	2	Screw
8	69135E	1	Upper Valve Block	N/S	93598E	4	Screw
9	93804E	1	Drive Lok Pin	20	B1003503	1	O-Ring
10	* B1006503	3	O-Ring	21	68181E	2	Shear Seal
11	* B1011564	3	Washer	22	Y0010765E	1	Lockwasher

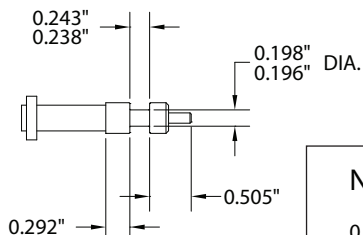
N/S = Not Shown. * Included in Valve Kit 54490K.

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



SPOOL AND SEAL REPLACEMENT INFORMATION

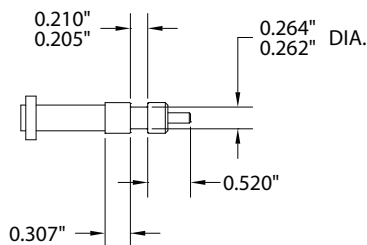
OLD DESIGN - ITEM 2A



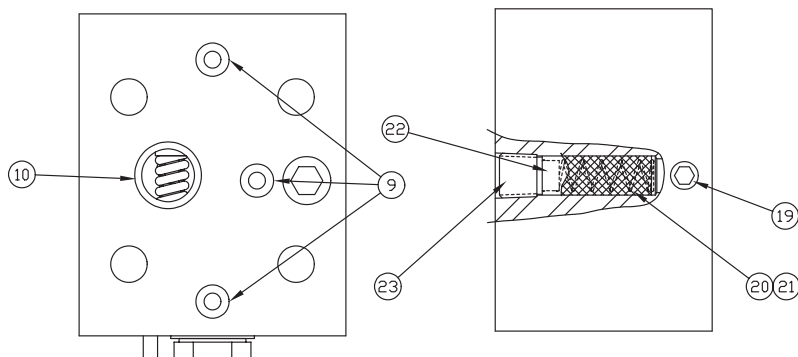
IMPORTANT: Use items 3A and 4A with OLD design spool, item 2A.

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.

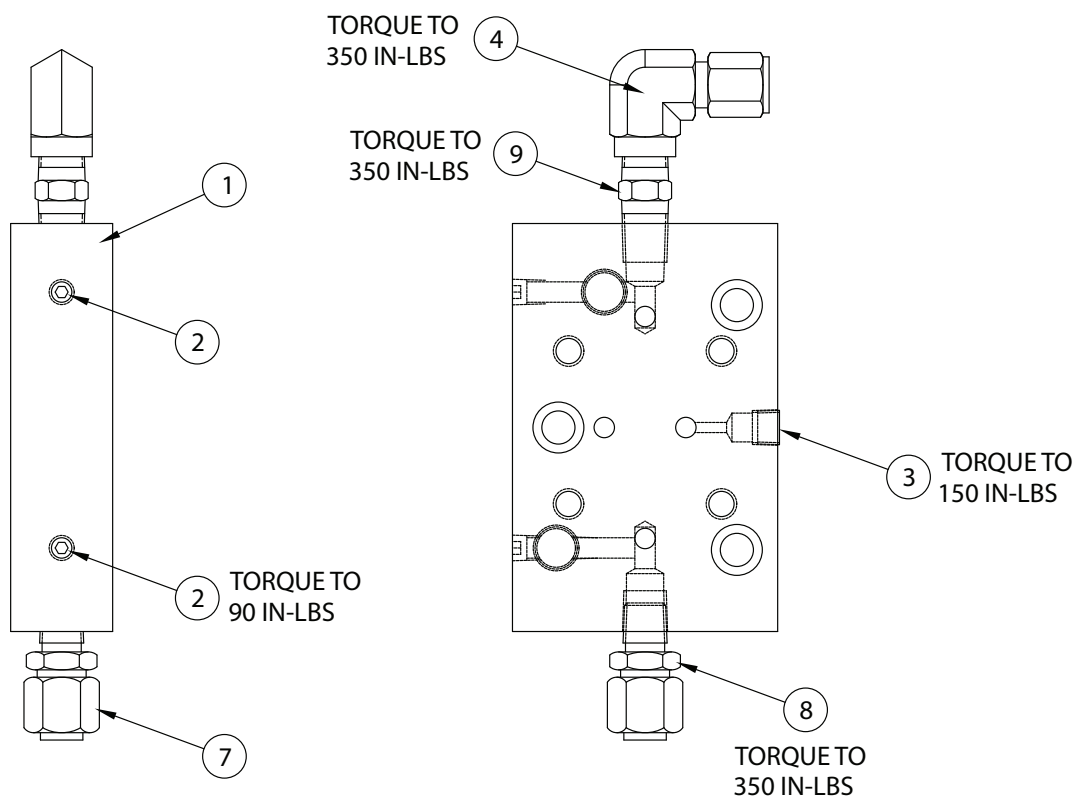


Repair Parts List (Refer to figure 14)

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	Spring Washer
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	69518E	1	Screen O.C. Valve
7	69508E	1	Plug - Adapt P.R. Lock	21	42423E	1	Screen O.C. Valve
8	68183E	1	Gasket - Plug	22	69517E	1	Screen Cap
9	56020102E	3	O-Ring 1/4 x 3/8" Ureth	23	82522E	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

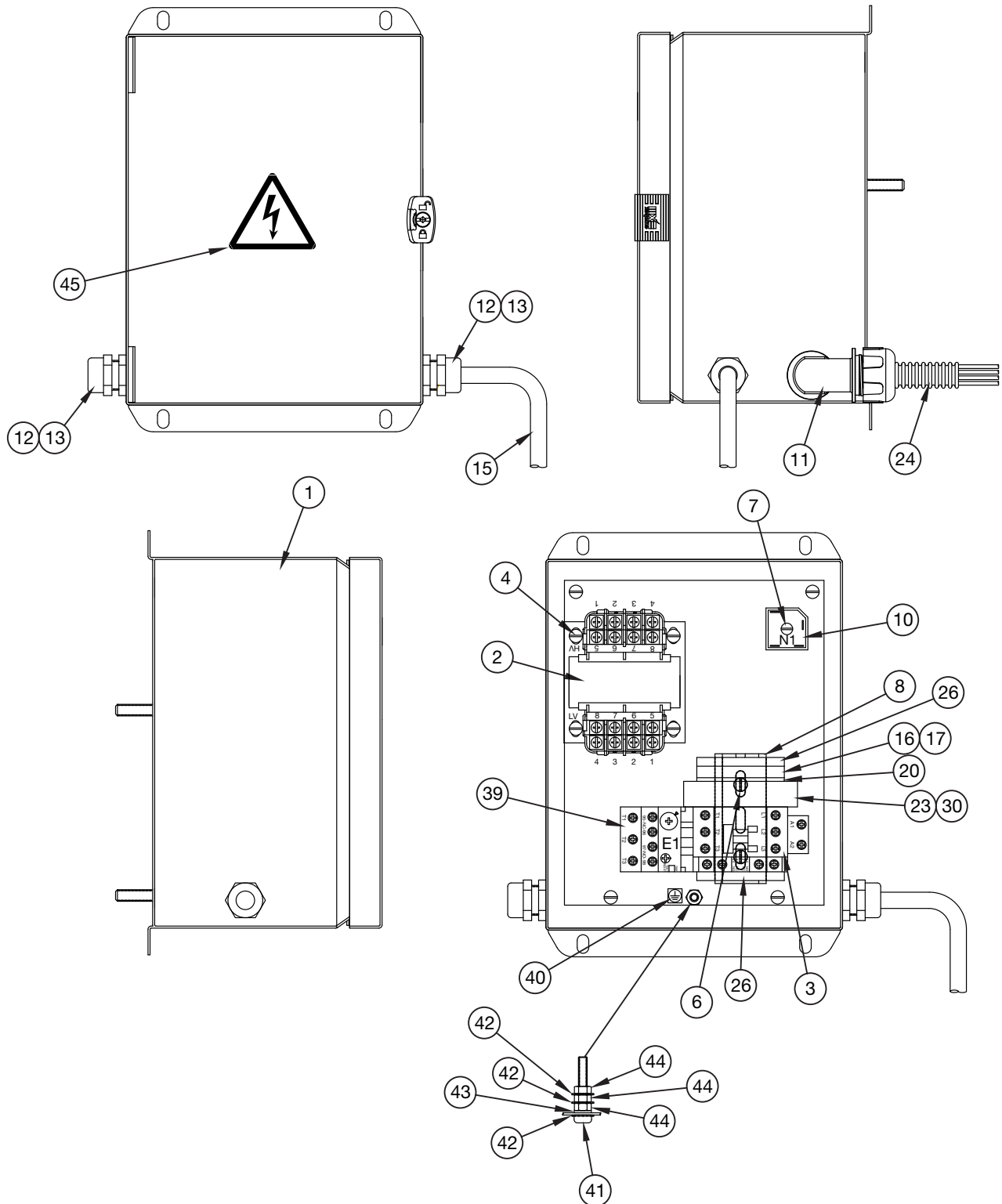
Figure 15 - 69749SR Manifold Assembly



Repair Parts List (Refer to figure 15)

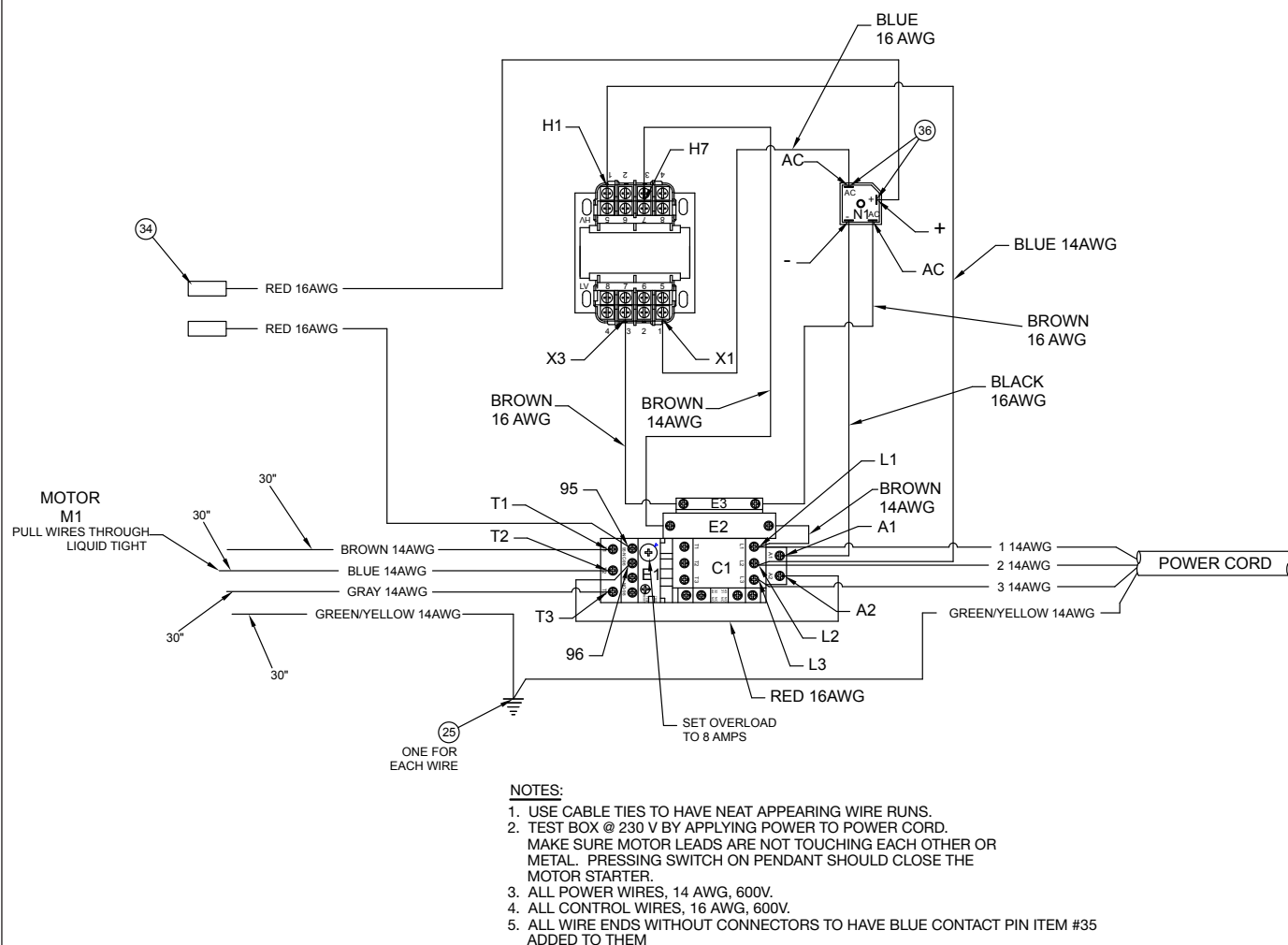
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	69429E	1	Manifold Pow'r Riser	7	45664E	1	O-Ring Face Seal Plug
2	40049E	2	1/16" Pipe Plug - Flush	8	45663E	1	O-Ring Face Tube Ftg 1/4"
3	81093E	1	Pipe Plug 1/8" Flush	9	4100067E	1	Nipple 1/4"
4	43166E	1	Elbow 90 3/8 - 1/4"				

Figure 16A - DS1168960 Electrical Box Assembly (230 VAC - 3 Phase)



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

Figure 16B - DS1168960 Electrical Box Assembly (230 VAC - 3 Phase)

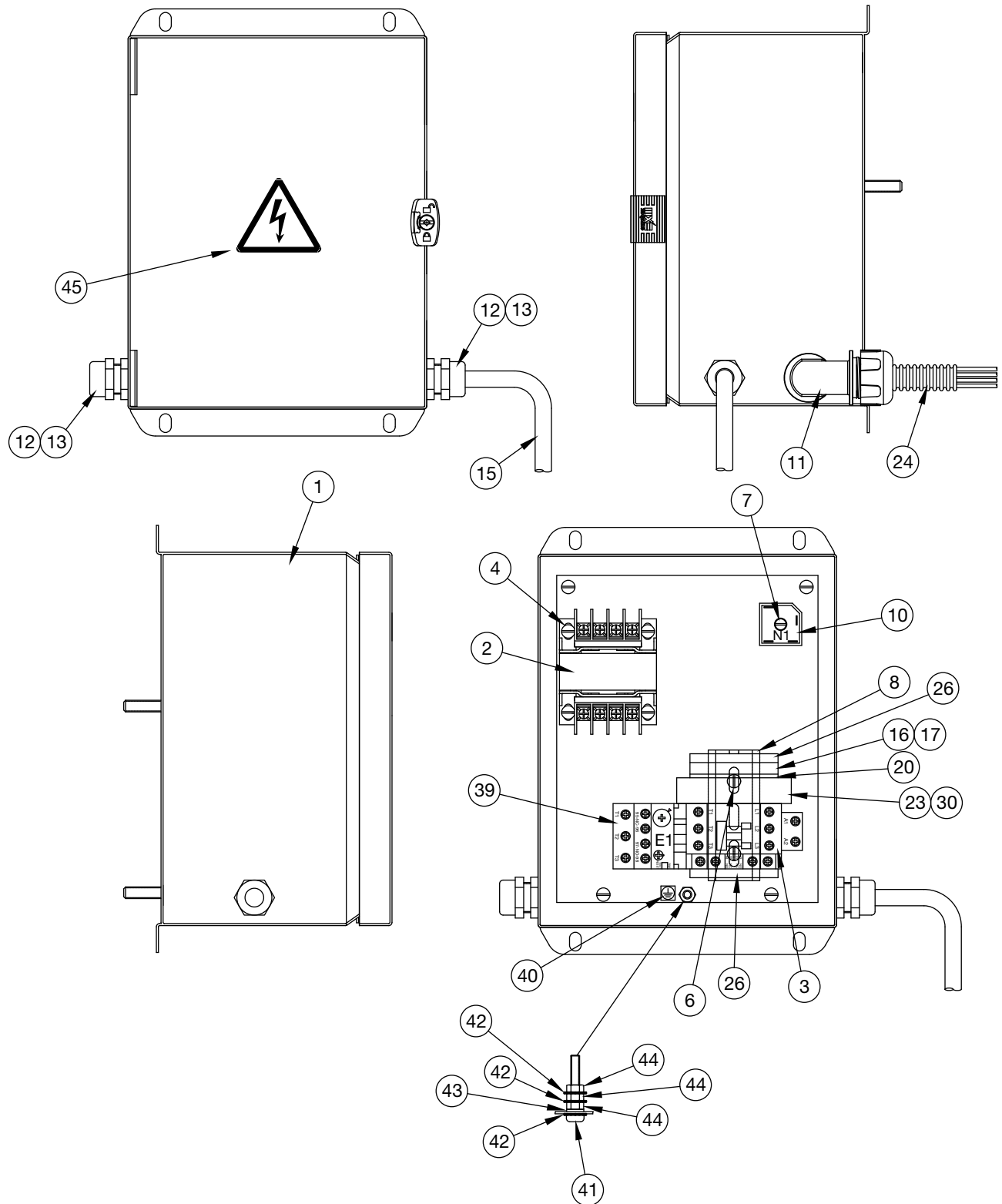


Repair Parts List (Refer to figures 16A and 16B)

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	---	1	Box, Electrical	23	---	1	Fuse Holder
2	---	1	Transformer	24	---	1	Tubing, Liquid Tight, 12"
3	---	1	Motor Starter	25	---	2	Ring Terminal
4	---	4	Screw, Pan Hd 10-32 x 0.38"	26	---	2	End Stop
6	---	2	Screw, 8-18 TEK	30	---	1	Fuse, 1A, 600V Time Delay
7	---	1	Screw, 8-32 x 0.63"	34	66132E	2	Butt Connector, Yellow
8	---	1	Din Rail, 3.5"	35	---	20	Contact Pin, Blue
10	DS1244380E	1	Rectifier	36	65888E	4	Terminal Push-On, Blue
11	---	1	Elbow	39	---	1	Motor Overload
12	D132104007-1	2	Strain Relief	40	DC8119026	1	Decal, Ground
13	D132104007-5	2	Lock Nut	41	DC9984028	1	Screw, M6 x 40 Pan Head
15	---	1	Power Cord, 10 Foot	42	CCE1060108-6A	3	Starwasher, 6mm
16	---	1	Fuse Holder	43	CCE1060108-1A	1	Flatwasher, 6mm
17	---	1	Fuse, 4A, 125V Time Delay	44	CBE1060120-1D	3	Nut, M6
20	---	1	End, Fuse Holder	45	DC9922026	1	Decal, High Voltage

A/R = As Required Note: Contact Enerpac for part numbers not shown.

Figure 17A - DS2176960 Electrical Box Assembly (380 VAC - 3 Phase)



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

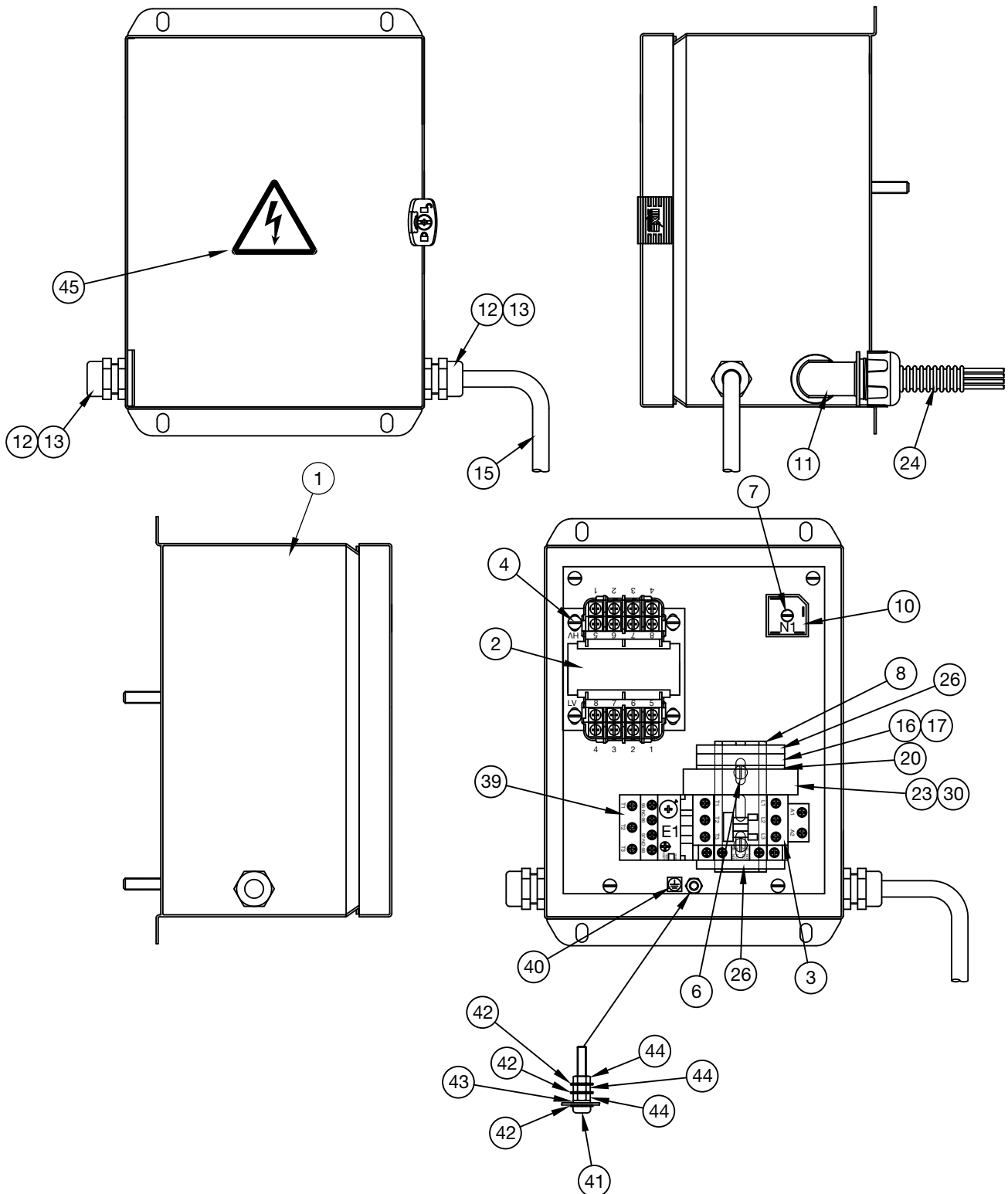
Figure 17B - DS2176960 Electrical Box Assembly (380 VAC - 3 Phase)

Wiring Diagram Details:

- Motor (M1):** Pull wires through liquid tight. Wires are 30" long.
- Power Cord:** 1 14AWG, 2 14AWG, 3 14AWG.
- Wires and Gauges:**
 - RED 16AWG (2 wires)
 - BROWN 16AWG
 - BLUE 16AWG
 - BLUE 14AWG
 - BROWN 14AWG
 - GRAY 14AWG
 - GREEN/YELLOW 14AWG
 - BLACK 16AWG
 - RED 16AWG
- Components:**
 - H1, H3, X1, X2, X3, X4
 - T1, T2, T3
 - L1, L2, L3
 - A1, A2, A3
 - E1, E2, E3
 - AC, N, GND
- Notes:**
 - 1. USE CABLE TIES TO HAVE NEAT APPEARING WIRE RUNS.
 - 2. TEST BOX @ 380 V BY APPLYING POWER TO POWER CORD. MAKE SURE MOTOR LEADS ARE NOT TOUCHING EACH OTHER OR METAL. PRESSING SWITCH ON PENDANT SHOULD CLOSE THE MOTOR STARTER.
 - 3. ALL POWER WIRES, 14 AWG, 600V.
 - 4. ALL CONTROL WIRES, 16 AWG, 600V.
 - 5. ALL WIRE ENDS WITHOUT CONNECTORS TO HAVE BLUE CONTACT PIN ITEM #35 ADDED TO THEM

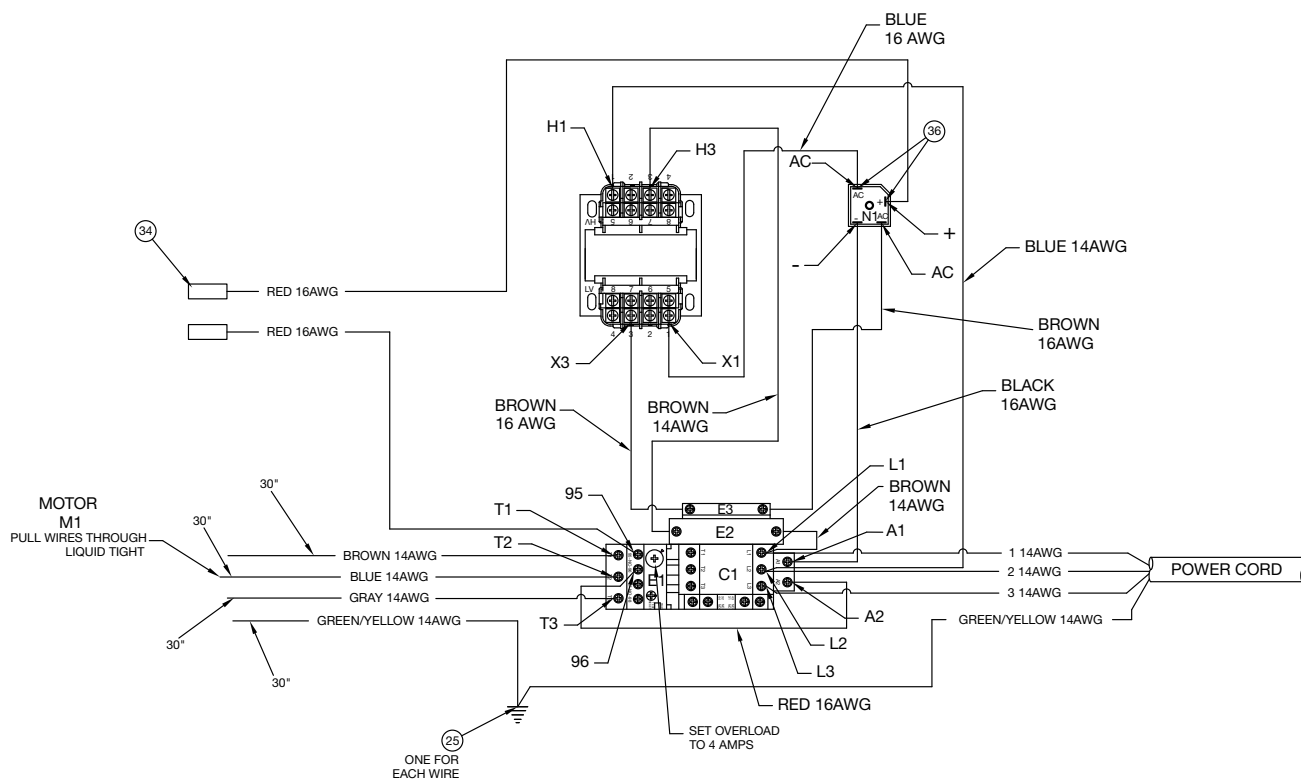
A/R = As Required Note: Contact Enerpac for part numbers not shown.

Figure 18A - DS1184960 Electrical Box Assembly (480 VAC - 3 Phase)



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

Figure 18B - DS1184960 Electrical Box Assembly (480 VAC - 3 Phase)



NOTES:

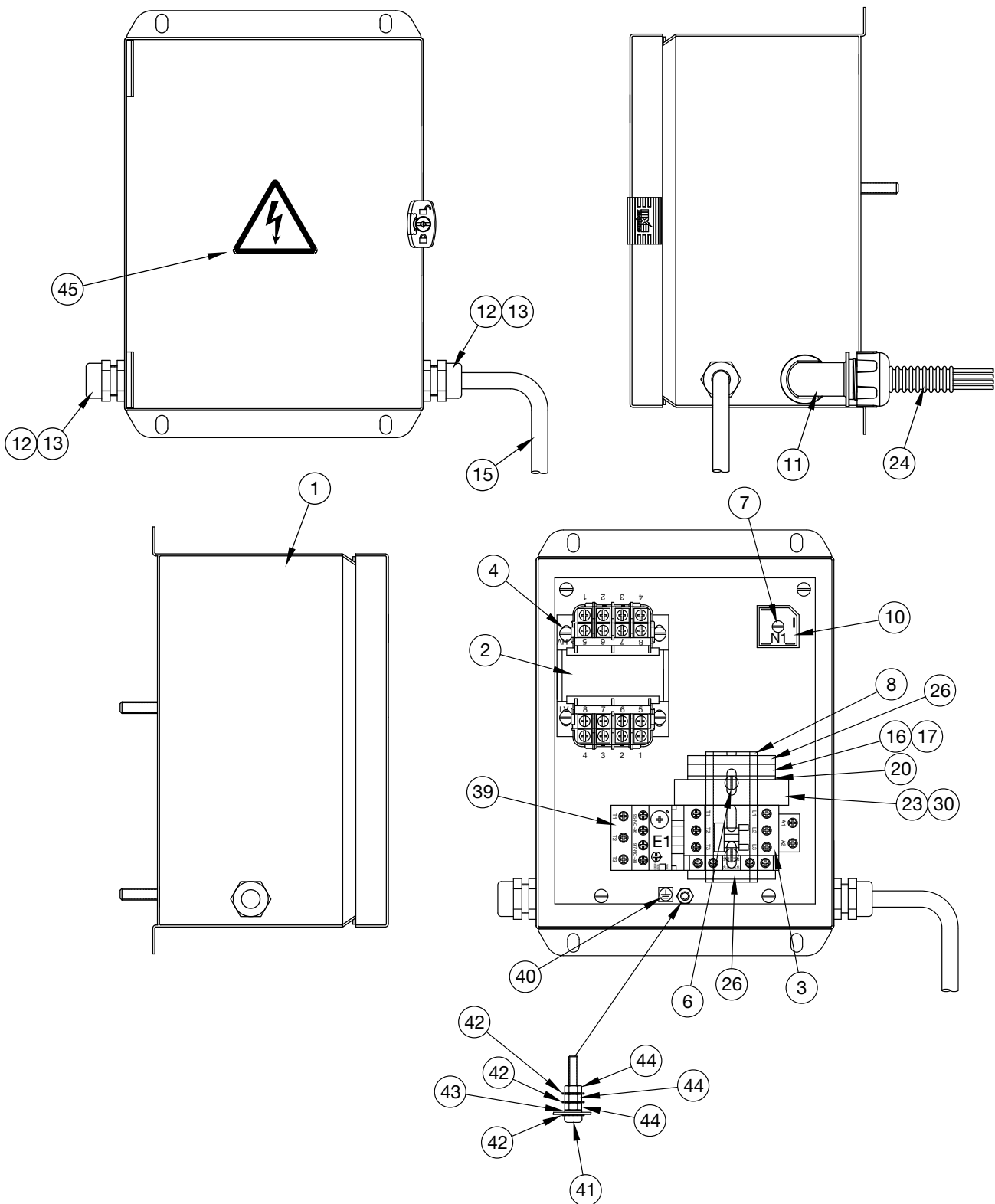
1. USE CABLE TIES TO HAVE NEAT APPEARING WIRE RUNS.
2. TEST BOX @ 480 V BY APPLYING POWER TO POWER CORD. MAKE SURE MOTOR LEADS ARE NOT TOUCHING EACH OTHER OR METAL. PRESSING SWITCH ON PENDANT SHOULD CLOSE THE MOTOR STARTER.
3. ALL POWER WIRES, 14 AWG, 600V.
4. ALL CONTROL WIRES, 16 AWG, 600V.
5. ALL WIRE ENDS WITHOUT CONNECTORS TO HAVE BLUE CONTACT PIN ITEM #35 ADDED TO THEM.

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

Item	Part Number	Qty.	Description		Item	Part Number	Qty.	Description
1	- - -	1	Box, Electrical		24	- - -	1	Tubing, Liquid Tight, 12"
2	- - -	1	Transformer		25	- - -	2	Ring Terminal
3	- - -	1	Motor Starter		26	- - -	2	End Stop
4	- - -	4	Screw, Pan Hd 10-32 x 0.38"		30	- - -	1	Fuse, 500 ma, 600V Time Delay
6	- - -	2	Screw, 8-18 TEK					
7	- - -	1	Screw, Pan Hd 8-32 x 0.63"		34	66132E	2	Butt Connector, Yellow
8	- - -	1	Din Rail, 3.5"		35	- - -	20	Contact Pin, Blue
10	DS1244380E	1	Rectifier		36	65888E	4	Terminal Push-On, Blue
11	- - -	1	Elbow		39	- - -	1	Motor Overload
12	D132104007-1	2	Strain Relief		40	DC8119026	1	Decal, Ground
13	D132104007-5	2	Lock Nut		41	DC9984028	1	Screw, M6 x 40 Pan Head
15	- - -	1	Power Cord, 10 Foot		42	CCE1060108-6A	3	Star Washer, M6
16	- - -	1	Fuse Holder		43	CCE1060108-1A	1	Flat Washer, M6
17	- - -	1	Fuse, 4A, 125V Time Delay		44	CBE1060120-1D	3	Hex Nut, M6
20	- - -	1	End, Fuse Holder		45	DC9922026	1	Decal, High Voltage
23	- - -	1	Fuse Holder					

A/R = As Required Note: Contact Enerpac for part numbers not shown.

Figure 19A - DS1185960 Electrical Box Assembly (575 VAC - 3 Phase)



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

Figure 19B - DS1185960 Electrical Box Assembly (575 VAC - 3 Phase)

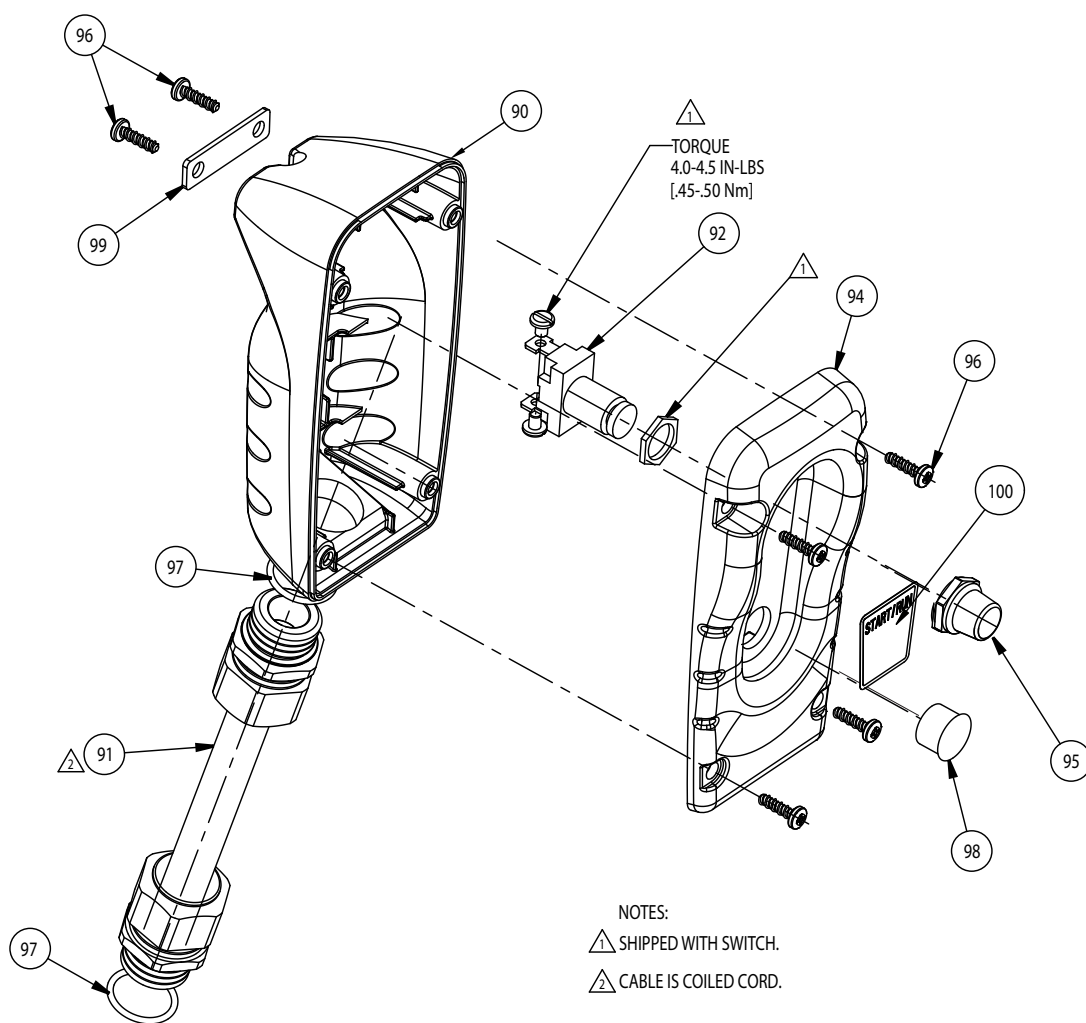
Wiring Diagram Details:

- Motor (M1):** 3-phase motor with terminals T1, T2, T3. Wires are pulled through liquid tight fittings (30°).
- Power Cord:** 3-phase power source with terminals L1, L2, L3. Wires are 1 14AWG, 2 14AWG, and 3 14AWG.
- Wires:**
 - RED 16AWG (2 wires)
 - BLUE 16AWG (1 wire)
 - BROWN 16AWG (1 wire)
 - BLACK 16AWG (1 wire)
 - BROWN 14AWG (1 wire)
 - BLUE 14AWG (1 wire)
 - GRAY 14AWG (1 wire)
 - GREEN/YELLOW 14AWG (1 wire)
- Components:**
 - H1, H4, AC, X1, X2, X3, X4 (Terminal block)
 - T1, T2, T3 (Motor terminals)
 - L1, L2, L3 (Power cord terminals)
 - C1, E2, E3, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, A49, A50, A51, A52, A53, A54, A55, A56, A57, A58, A59, A60, A61, A62, A63, A64, A65, A66, A67, A68, A69, A70, A71, A72, A73, A74, A75, A76, A77, A78, A79, A80, A81, A82, A83, A84, A85, A86, A87, A88, A89, A90, A91, A92, A93, A94, A95, A96, A97, A98, A99, A100 (Terminal block)
- Instructions:**
 - INSTALL JUMPER X2-X3
 - SET OVERLOAD TO 3.5 AMPS
 - ONE FOR EACH WIRE

NOTES:

- USE CABLE TIES TO HAVE NEAT APPEARING WIRE RUNS.
- TEST BOX @ 575 V BY APPLYING POWER TO POWER CORD. MAKE SURE MOTOR LEADS ARE NOT TOUCHING EACH OTHER OR METAL. PRESSING SWITCH ON PENDANT SHOULD CLOSE THE MOTOR STARTER.
- ALL POWER WIRES, 14 AWG, 600V.
- ALL CONTROL WIRES, 16 AWG, 600V.
- ALL WIRE ENDS WITHOUT CONNECTORS TO HAVE BLUE CONTACT PIN ITEM #35 ADDED TO THEM.

Figure 20 - DS1074900SR Pendant Assembly

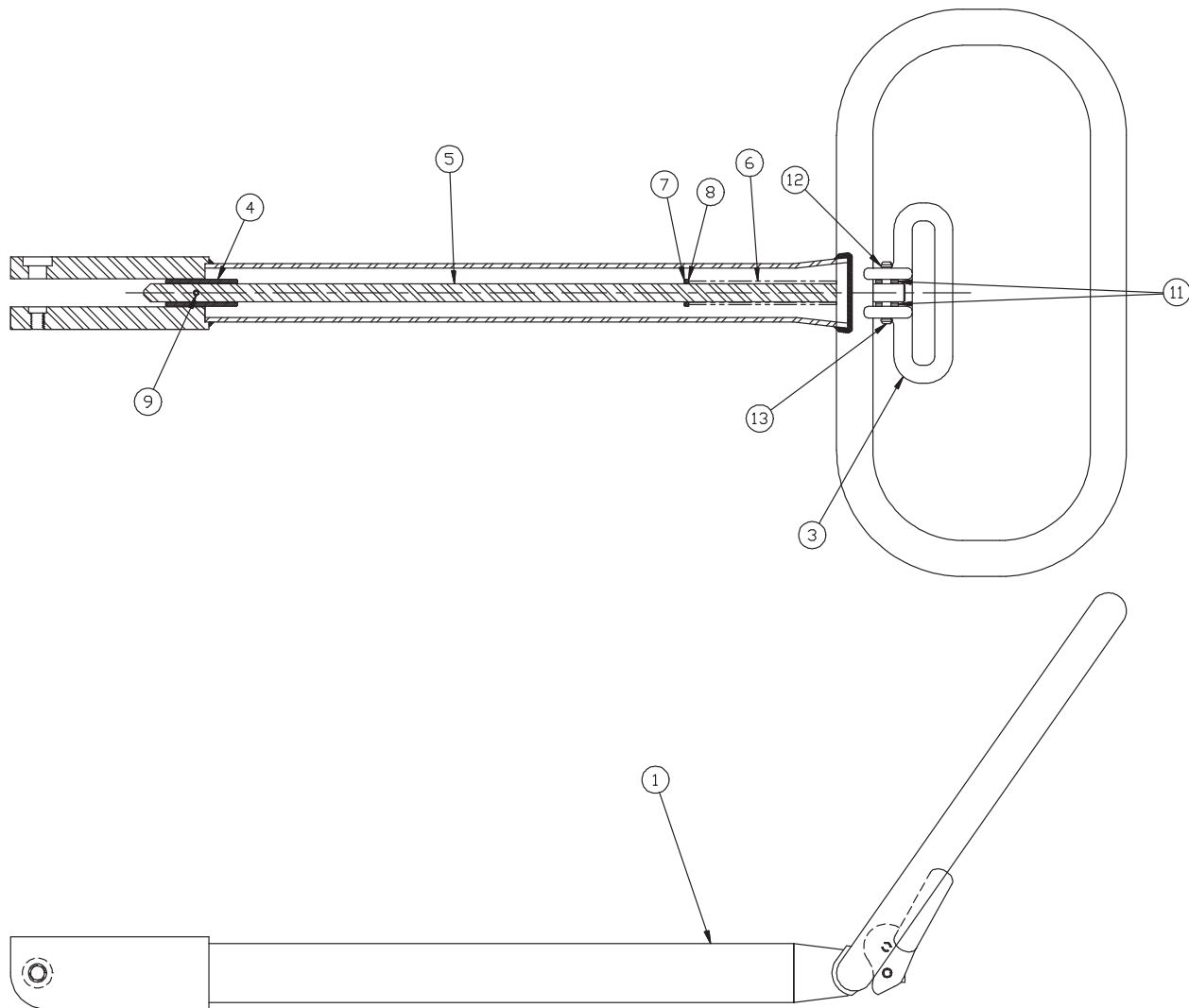


Repair Parts List for Figure 20

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
90	DC9425424E	1	Enclosure, Lower	96	DC9428008E	6	Screw, Hi-Low #8 x 1/2"
91	DS1075960E	1	Cable Assembly	97	B1223503E	2	O-Ring
92	DC8282379E	1	Pendant Button, NO	98	DC8228009E	1	Dome Plug
94	DC8122424E	1	Enclosure, Upper	99	DS1167101E	1	Plate, Pendant Hook
95	DC8284379E	1	Switch Cover	100	DD4333026E	1	Decal, PR Pendant

Note: Pendant Assembly DS1074900SR includes all items shown above.

Figure 21 - 41961SR Upper Handle Assembly



Repair Parts List (Refer to figure 21)

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	42497E	1	Roll Pin 5/32 x 7/8"
4	41600E	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:

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NOTES:

[illegible]

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