

L2673 Rev. G 02/2020

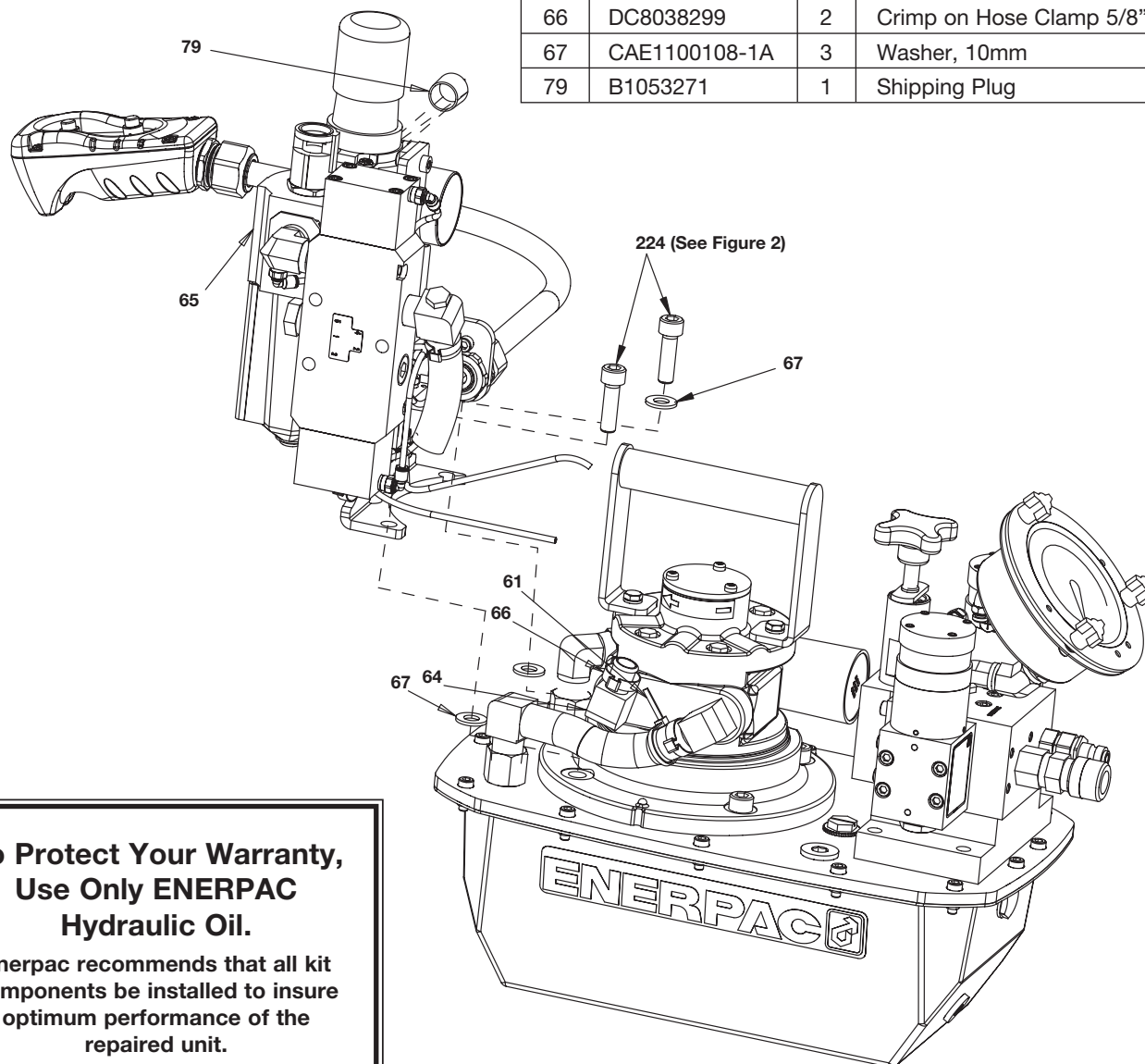
For Date Codes Beginning with the Letter "A"

This Repair Parts Sheet covers the following pump models. For Valve Part Sheet see corresponding valve model.

Pump Model	Valve Model	Valve Repair Part Sheet Number	Pump Model	Valve Model	Valve Repair Part Sheet Number
ZA4204TX-E	VA42A (DC6920950)	L2617	ZA4208TX-Q	VA42QM (DC6923950)	L2617
ZA4204TX-Q	VA42AM (DC6921950)	L2617	ZA4204TX-ER	VA42E (DC6924950)	L2617
ZA4208TX-E	VA42Q (DC6922950)	L2617	ZA4204TX-QR	VA42EM (DC6925950)	L2617

Repair Parts List for Figure 1

Item	Part Number	Qty.	Description
61	DC9876647	2	Black Cable Tie, 6"
64	DC8036038	1	Elbow 5/8 Barbed to 1/2 NPT
65	DD1356900SR	1	Air Logic Assembly. See Figure 6.
66	DC8038299	2	Crimp on Hose Clamp 5/8"
67	CAE1100108-1A	3	Washer, 10mm
79	B1053271	1	Shipping Plug



**To Protect Your Warranty,
Use Only ENERPAC
Hydraulic Oil.**

Enerpac recommends that all kit components be installed to insure optimum performance of the repaired unit.

Figure 1, Mounting Arrangement, Air Logic Assembly

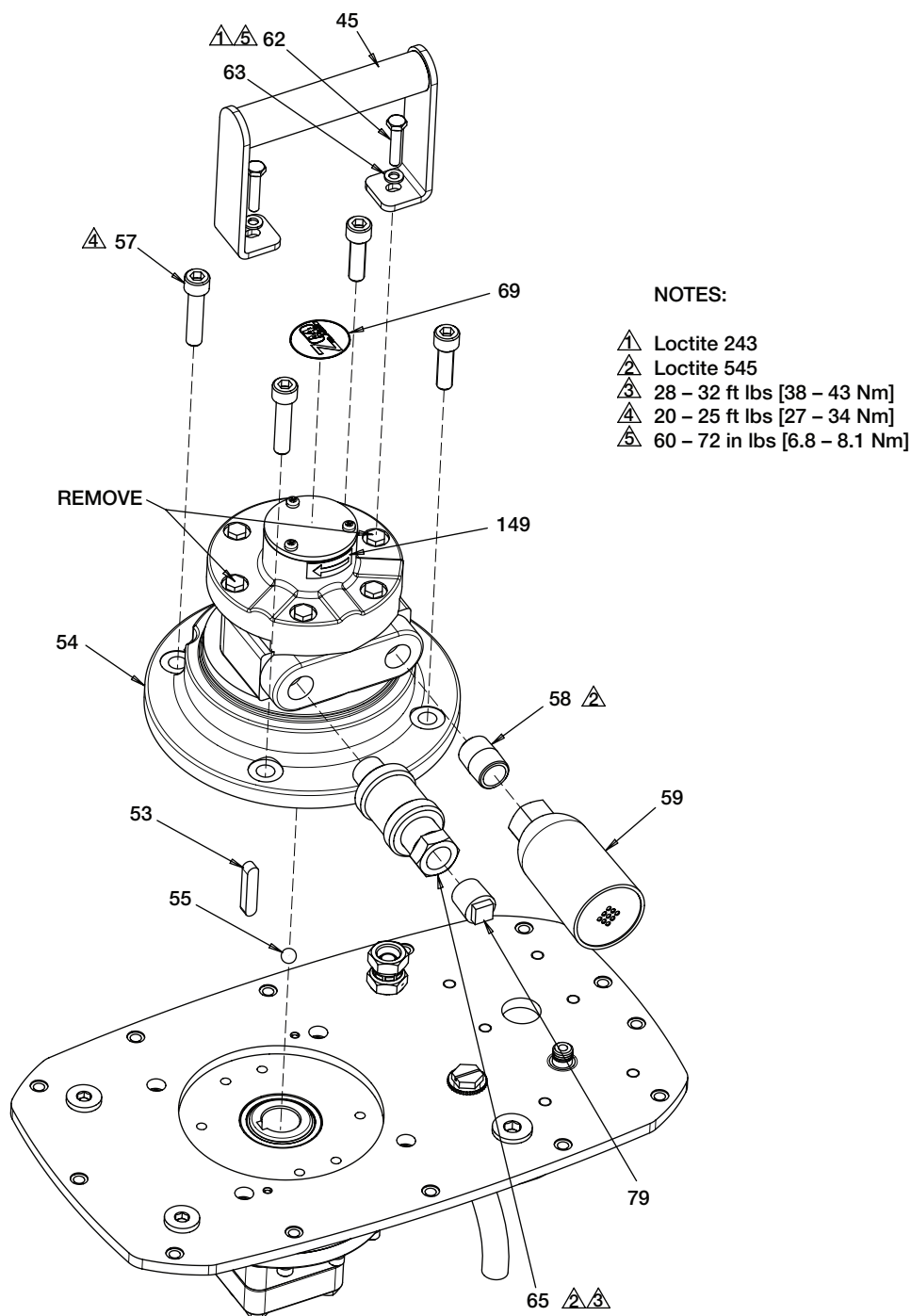


Figure 2, Air Motor Assembly

Repair Parts List for Figure 2

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
45	DC8056070	1	Handle ZA4	62	❖ B1461046X	2	0.25-28X1.25 Hex Head Screw
53	DD4308251	1	Hardened Motor Key		❖ CBE625046-1A	2	M6 x 30mm Hex Head Screw
54	DC8030900SR	1	Air Motor Kit (includes 53, 55 & 57)	63	CAE1060108-1A	2	6MM Washer
55	44968	1	Rubber Ball 3/8" 70 Duro.	65	DC8103662	1	Air Valve
57	CBE1027028-1A	4	M10X35 SHCS	69	DC8099026	1	Decal ZA Class
58	DC8097095	1	1/2 NPT Short Pipe	79	B1053271	1	1/2 NPT Shipping Plug
59	DC8032116	1	Air Muffler	149	CJ193026	1	Rotation Decal

❖ Item 62: Screw holes on pump housing may be either imperial or metric thread. Use the correct screw for your pump.

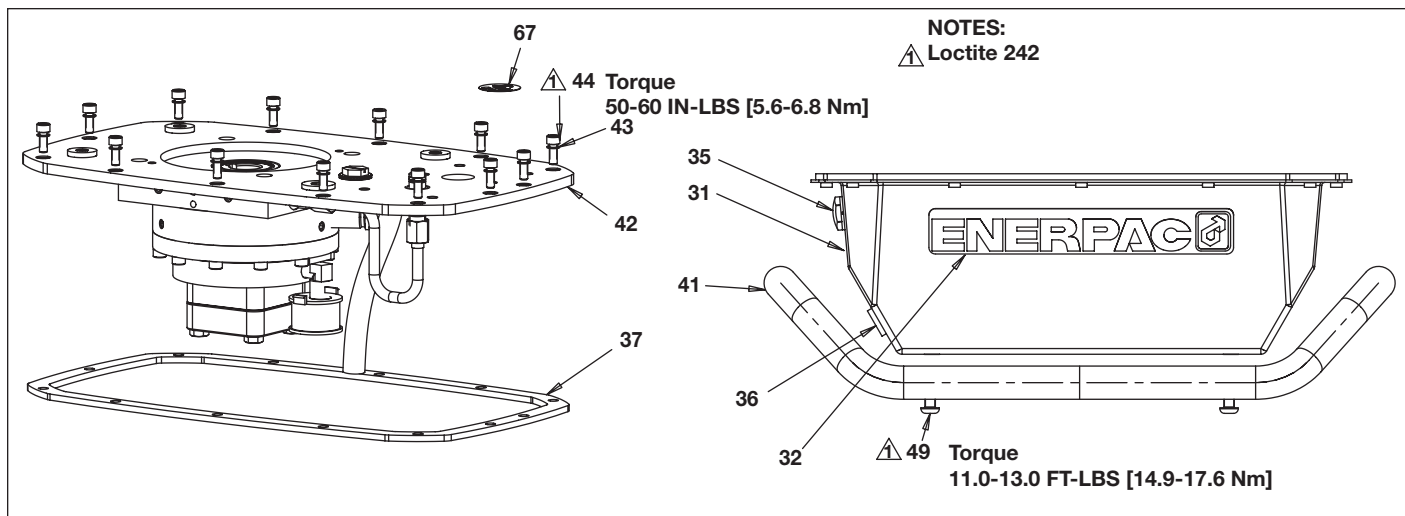


Figure 3, Reservoir Assembly

Repair Parts List for Figure 3							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
31	DC9379025SR	1	Reservoir 4L (inc. 32, 35 & 37)	37	★DC9551920	1	Reservoir & MPE Gasket
31	DC8136025SR	1	Reservoir 8L (inc. 32, 35 & 37)	41	DC9590920	1	Skid Bar 4L & 8L wo/ Heat Ex.
32	DC9596026	2	Reservoir Decal	42	Basic Assy.		See Fig. 4
35	DC85900SR	1	Sight Glass 4L & 8L	43	★S3037	13	Copper Gasket
36	DC8249006	1	Plug SAE#8 (4L & 8L) Magnet	44	CBE619028-1A	13	SHCS M6-1x16
				49	CBE817028-1E	4	BHCS M8x12
				67	DC9920026	1	Decal, Read Instruction

★ Items included in Seal Kit ZE3K.

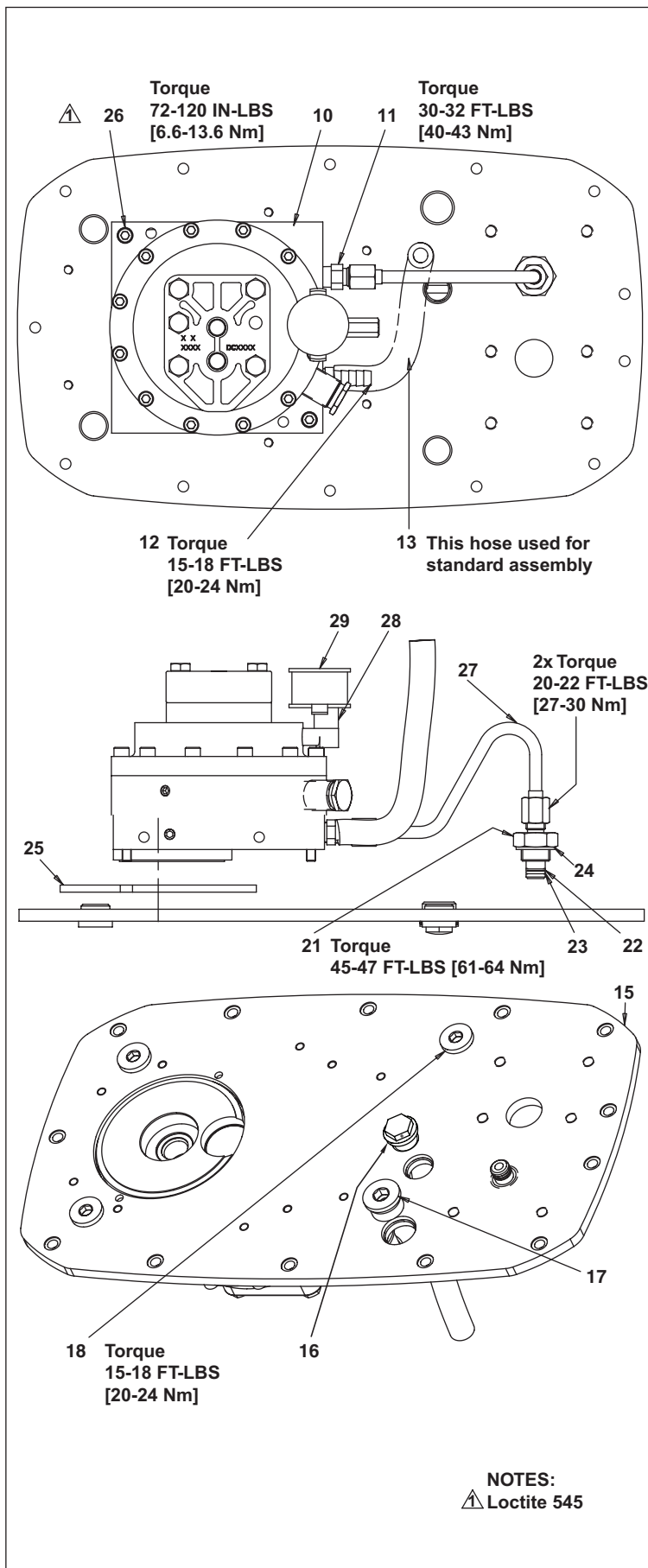


Figure 4, Basic Assembly

Repair Parts List for Figure 4			
Item	Part Number	Qty.	Description
10	Pump Element	1	see RPS L2596 for MPE
11	F100094-246	1	Fitting 5-4 FTX-S
12	F100097-16	1	Fitting, Standard Pump
13	DC9335646	1	Hose, Bypass 8"
15	DC9451101	1	Cover Plate ZE
16	DC9558920	1	Breather Assembly
17	B1007006	1	Plug SAE #10
18	A1009245	1	3/8 Flush Plug
21	DC9173690	1	Connector Fitting
22	★B1012564	1	Back-up
23	★B1012203	1	O-Ring
24	★DC9271167	1	Copper Gasket
25	★DC9551920	1	RES and MPE Gasket
26	CBE621028-1A	2	SHCS M6x20
27	DC9663920	1	Tube ASM Steel ZE Pump
28	DC9600268	1	Intake Tube 1.6" 4L and 8L
29	DC9178118	1	Intake Filter
★Items included in Seal Kit ZE3K.			

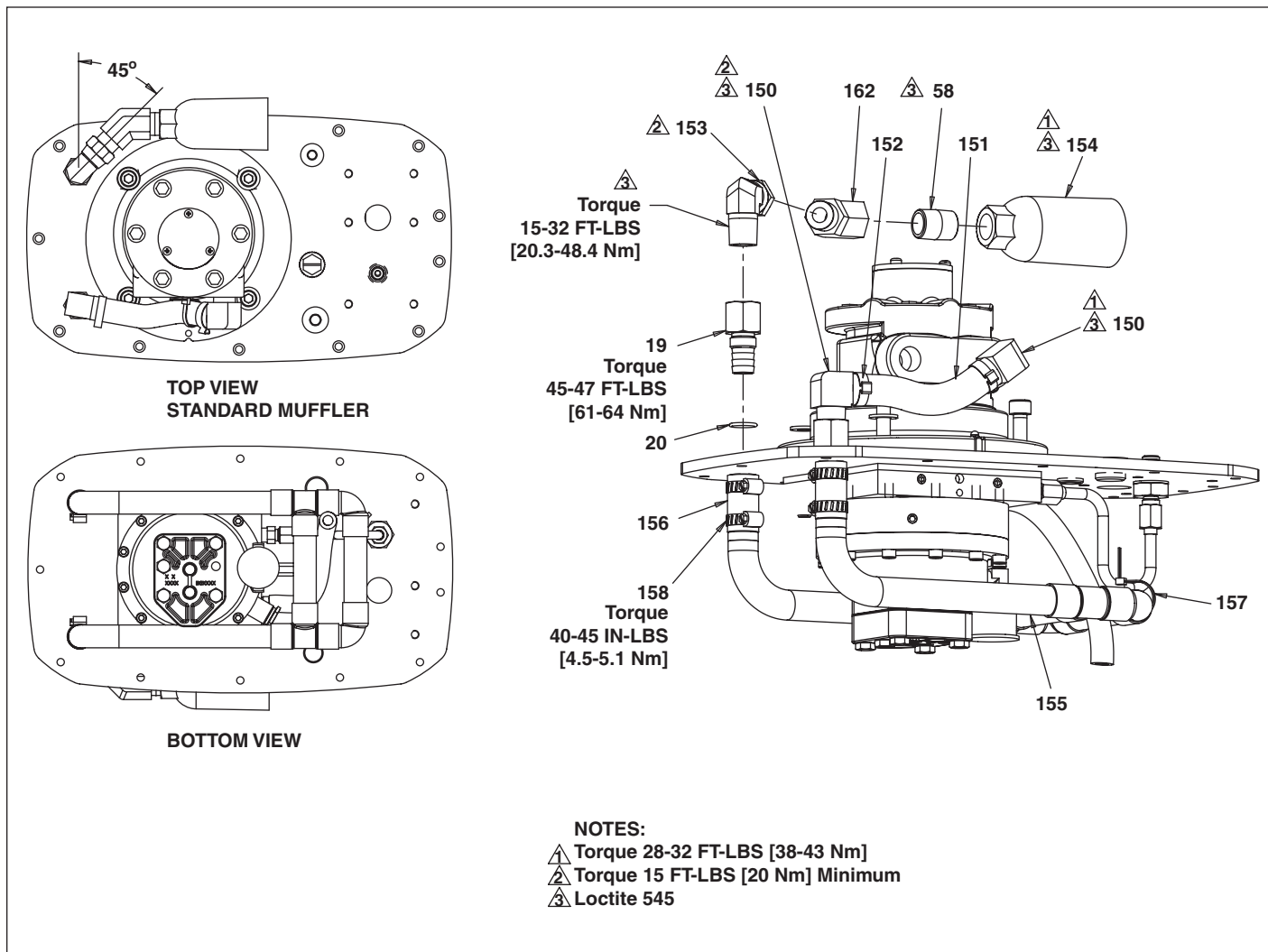


Figure 5, Heat Exchanger

Repair Parts List for Figure 5							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
19	DC8035038	2	Adapter	154	DC8032116	1	Muffler, Parker
20	B1908503	2	O-Ring BUNA-N	155	DC8039471	1	Heat Exchanger Coil
58	DC8097095	1	1/2 NPT Short Pipe	156	DC8043646	2	Hose 5/8 ID
150	DC8036038	2	Elbow 5/8 Barbed to 1/2 NPT	157	DC9989647	1	Cable Tie 12.5"
151	DC8046646	1	Hose 5/8 ID 4.9"	158	CB40299	4	Hose Clamp
152	DC8038299	2	Hose Clamp 5/8"	162	DA1235095	1	Fitting 1/2 NPT
153	DC8126095	1	Elbow 1/2 NPT				

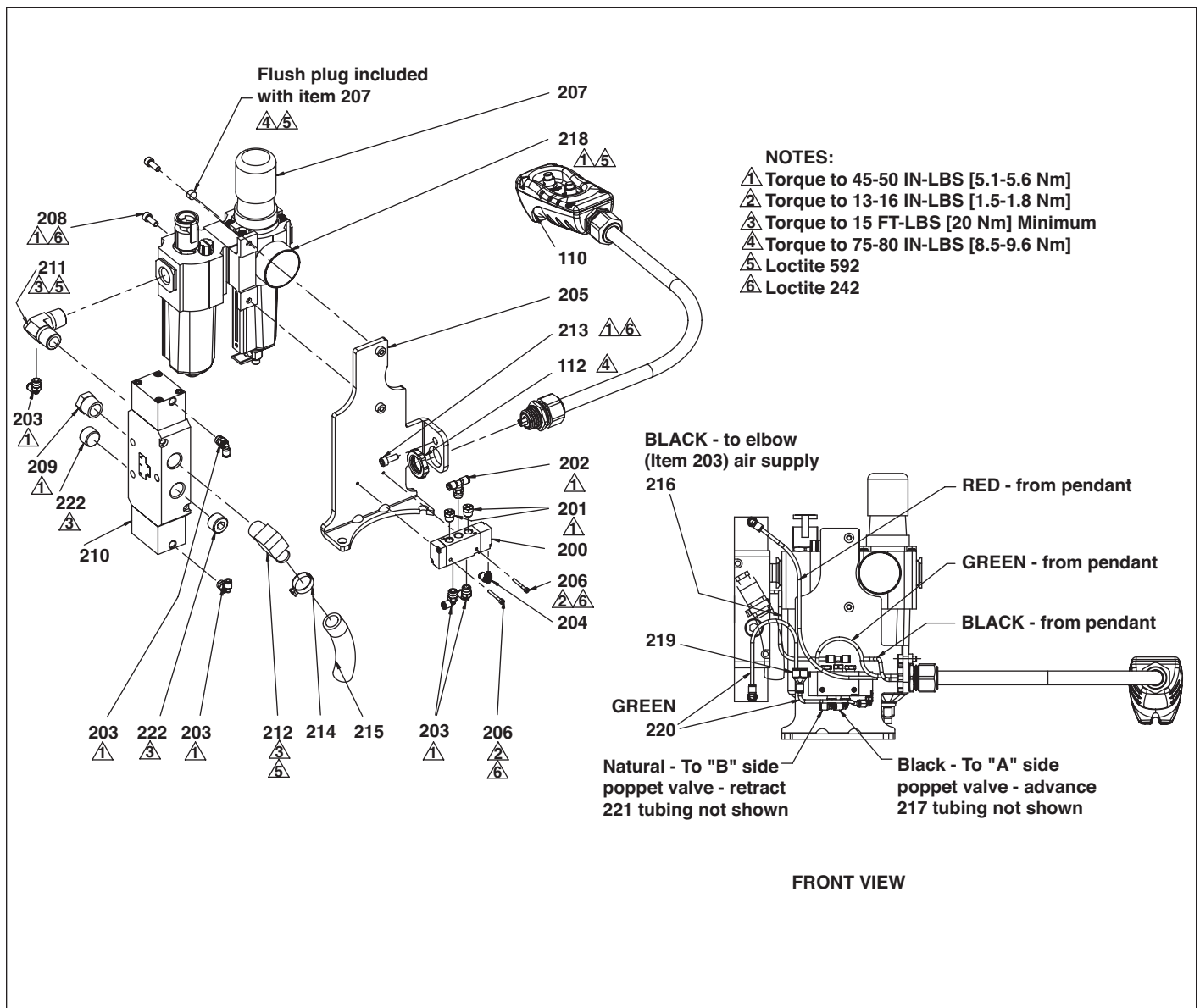


Figure 6, Air Logic Assembly

Repair Parts List for Figure 6							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
110	DC9948900SR	1	Air Pendant Assy (see Fig. 7)	212	DC8036038	1	Elbow, 5/8 Barbed - 1/2 NPT
112	DC9683021	1	Locking Nut 25mm	213	CBE6150028-1A	1	M6 x 10mm SHCS
200	DC8064660	1	Air Directional Valve	214	DC8038299	1	Hose Clamp 5/8"
201	DC352118	2	Vent Pug 1/8 NPT	215	DC8045646	1	Hose 5/8" ID x 3.7"
202	DC8171097	1	Tee 1/8 x 5/32	216	DC8095268	1	Tubing 5/32 x 7.3" Black
203	DC8170097	5	Elbow 1/8 x 5/32	217	DC8096268	1	Tubing 5/32 x 18" Black (not shown)
204	DC8169097	1	Elbow #10 x 5/32	218	DC8101223	1	Gauge 0-160 PSI
205	DC8042111	1	Bracket	219	DC3574097	1	Y Fitting
206	CBE323028-1A	2	M3 x .5 x 25mm SHCS	220	DC8124268	2	Tubing 5/32 x 4.5" Green
207	DC8033118	1	Filter	221	DC8125268	1	Tubing 5/32 x 18" Natural (not shown)
208	CBE619028-1A	2	M6-1 x 16 SHCS	222	A1010245	2	1/2 NPT Flush Plug
209	F100118-20	1	Breather Vent				
210	DC8109662	1	Air Vent				
211	DC8086095	1	Elbow				

- NOTES:**
- ⚠ Assemble one lockwasher underneath pushbuttons as shown. Discard remaining lockwashers and spacers provided with parts 93, 98 and 99.
 - ⚠ Torque to 13-16 IN-LBS [1.5-1.8 Nm]

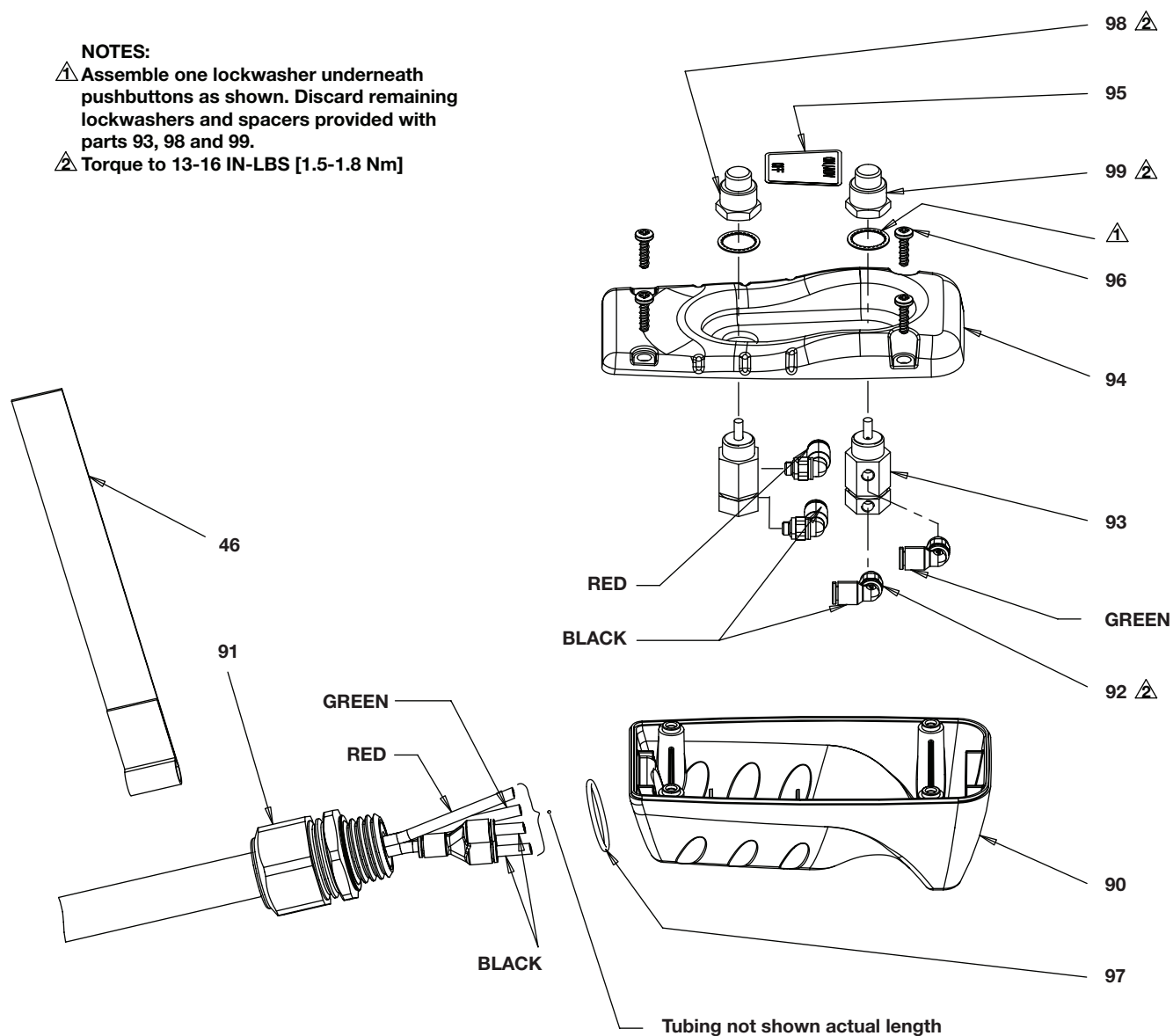


Figure 7, Pendant Assembly

Repair Parts List for Figure 7							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
46	DA7570217	1	Cord Strap	95	DC8127026	1	Pendant Decal
90	DC9991424	1	Lower Pendant Housing	96	DC9428008	4	Screw #8 x 1/2
91	DC1400646	1	Air Tube	97	B1227503	1	O-Ring
92	DC8060097	4	Elbow #10 x 5/32	98	DC3578379	1	Push Button Red
93	DC8059379	2	Push Button Valve	99	DC3577379	1	Push Button Green
94	DC8122424	1	Upper Pendant Housing				

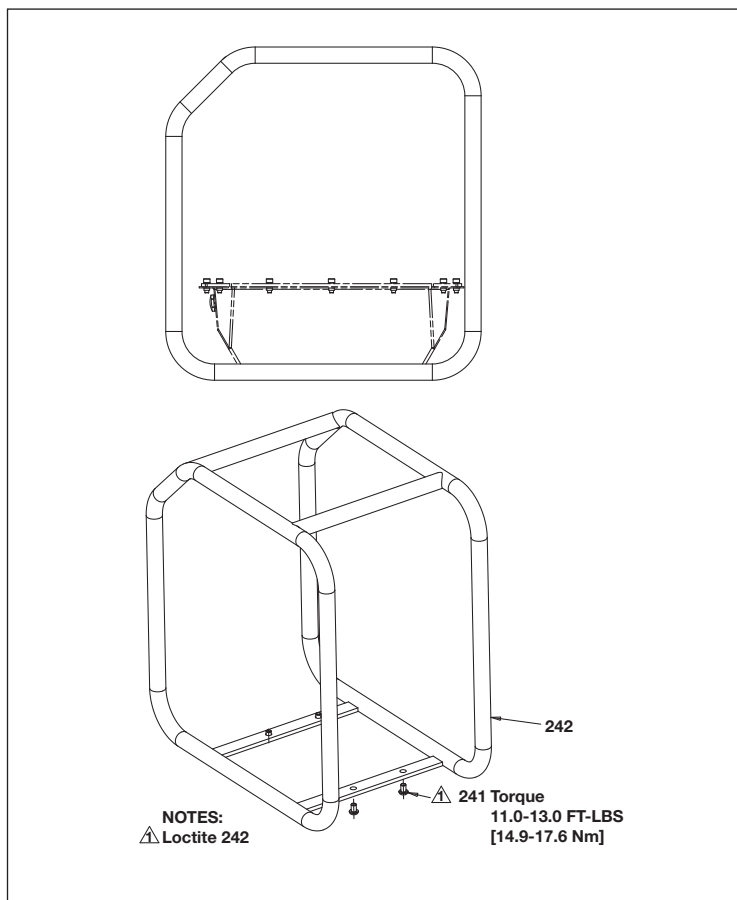


Figure 8, Rollbar Assembly ZRC-04

Repair Parts List for Figure 8			
Item	Part Number	Qty.	Description
241	CBE817028-1E	4	BHCS M8x12
242	DC8040920	1	Roll Bar Assembly
These parts are included in Roll Bar Kit ZRC-04.			

TROUBLESHOOTING:

Only qualified hydraulic technicians should service the pump or system components. A system failure may or may not be the result of a pump malfunction. To determine the cause of the problem, the complete system must be included in any diagnostic procedure.

TROUBLESHOOTING GUIDE		
PROBLEM	POSSIBLE CAUSE	REPAIR ACTION
Pump will not start	No air to pump	Make sure air is not shut off to pump Check air line for blockage
	Low air pressure	Check air pressure setting at air pressure regulator
	Low air SCFM	Make sure air compressor has enough SCFM to operate pump
	Air valve not working	Replace air valve
	Air motor not working	Replace air motor
Pump fails to build pressure	External leak in system	Repair any external components that are leaking
	Internal leak in pump	See RPS L2596 for basic pump assembly
	Internal leak in valve	See RPS for specific control valve as listed on valve chart
	Internal leak in system component	Repair system component
Pump builds less than full pressure	Relief valve set to low	Adjust relief valve
	External leak in system	Repair leak
	Internal leak in pump	Back pressure test, locate and repair leak (See RPS L2596)
	Internal leak in valve	See RPS for specific control valve as listed on valve chart
	Internal leak in system component	Repair system component
Pump builds full pressure, but load does not move	Load greater than cylinder	Higher capacity cylinder is needed to lift load
	capacity at full pressure Flow to cylinder blocked	Check system components

[illegible]

