

2002 to Present



PROFESSIONAL LIFTING EQUIPMENT

Repair Parts Sheet

910017A, 910018A
AIR HYDRAULIC PUMP

L2551 Rev. A 10/02

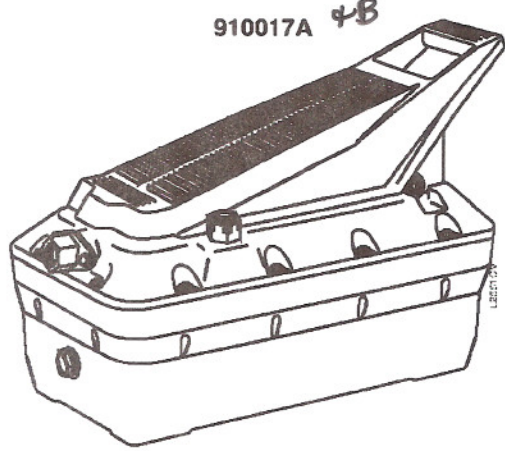
For Date Codes Beginning with the Letter "C"

Install all kit components to insure optimum performance of the repaired unit.

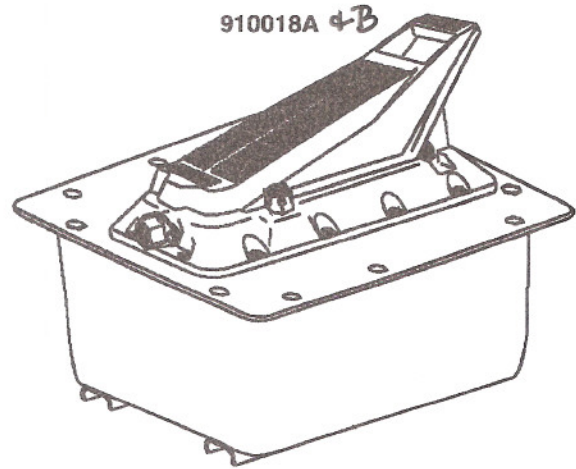
NOTE: Storing the pump in the vertical position may cause it to lose its prime. If pump loses its prime:

1. Remove cover.
2. Remove relief valve.
3. Fill chamber with oil.
4. Replace relief valve. Apply Loctite 545 to threads and torque to 10–12 ft-lbs. [14–16 Nm].
5. Replace pump cover. Tighten fasteners according to torquing sequence on Figure 1, page 2.

910017A 4B



910018A 4B



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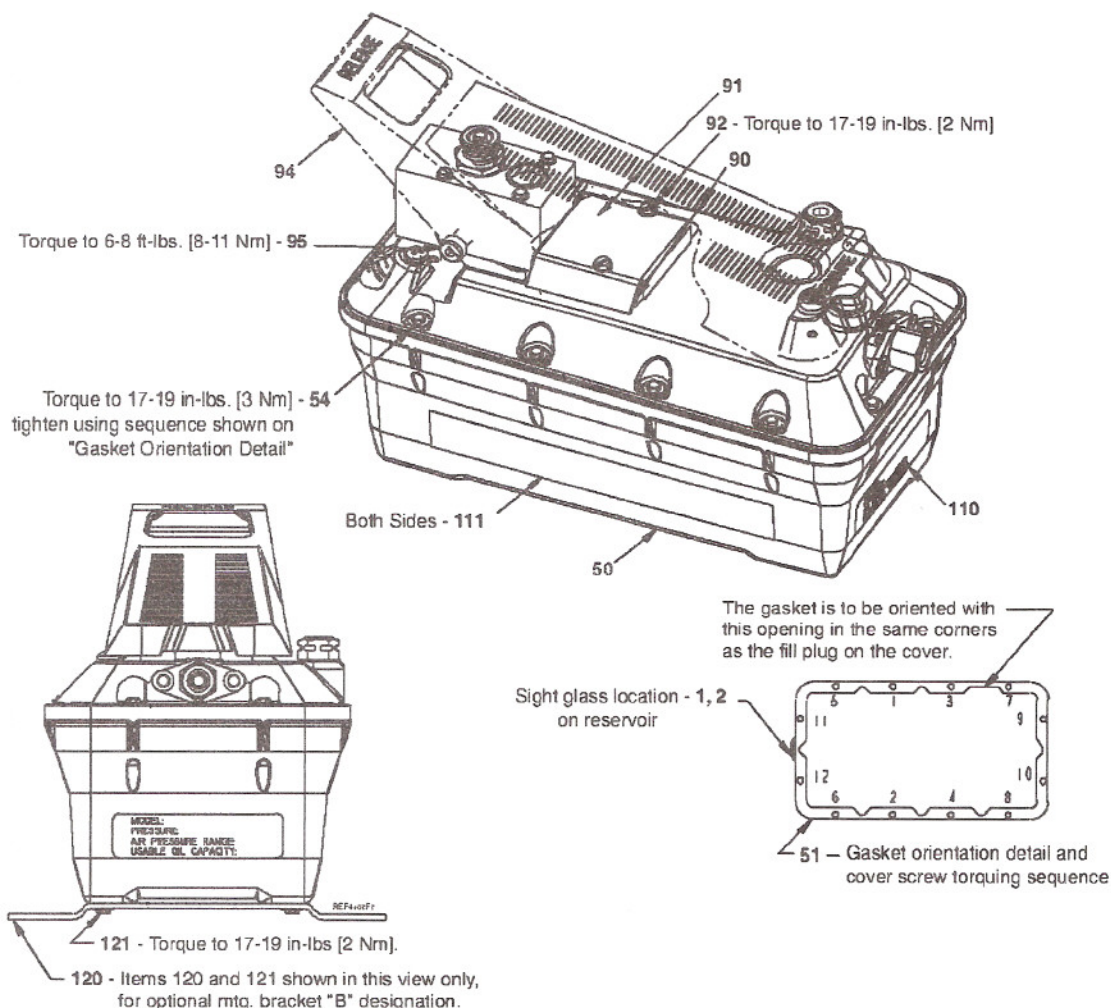


Figure 1

Repair Parts List for Figure 1

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	DA12288022	1	Sight Glass	94	DA4849218	1	Treadle
2	★B1908503	1	O-ring	95	DA4236242	2	Shoulder Screw
50	DC4323900SR	1	Reservoir, 2 L, Red	110	DA4296026	1	Model No. Decal
51	★DC4027167	1	Reservoir Gasket, 2 L	111	DA12067026	2	Decal, Norco, 910017A
54	DA5938028	12	Hi Lo Screw		DA12068026	2	Decal, Norco, 910018A
90	DA8625116	1	Muffler	120	DA5389111	1	Mounting Bracket
91	DA5690098	1	Muffler Cover	121	DA5938028	4	Hi Lo Screw
92	DC1523028	2	Slotted Hex Washer Head Scr.				

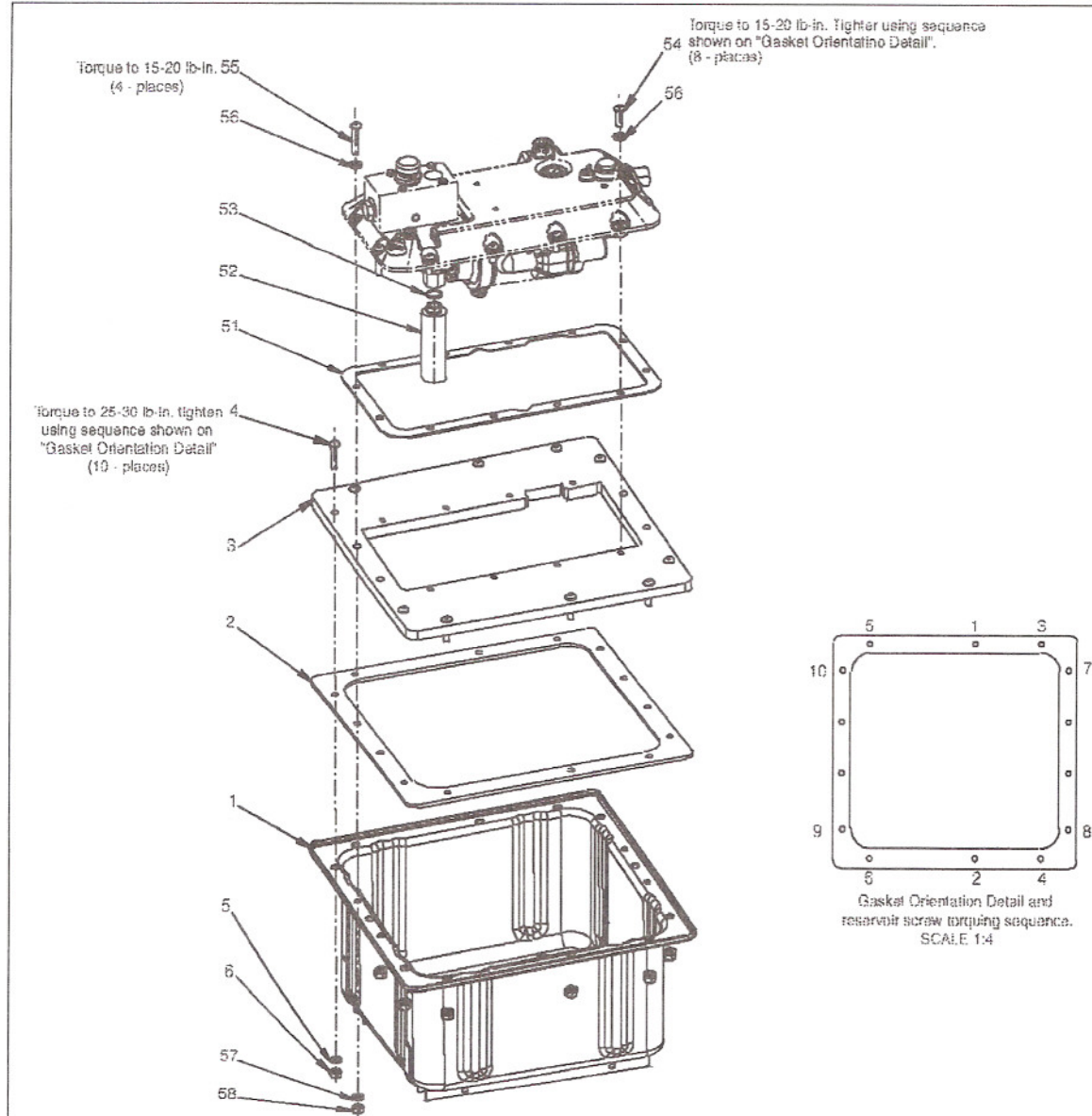


Figure 2

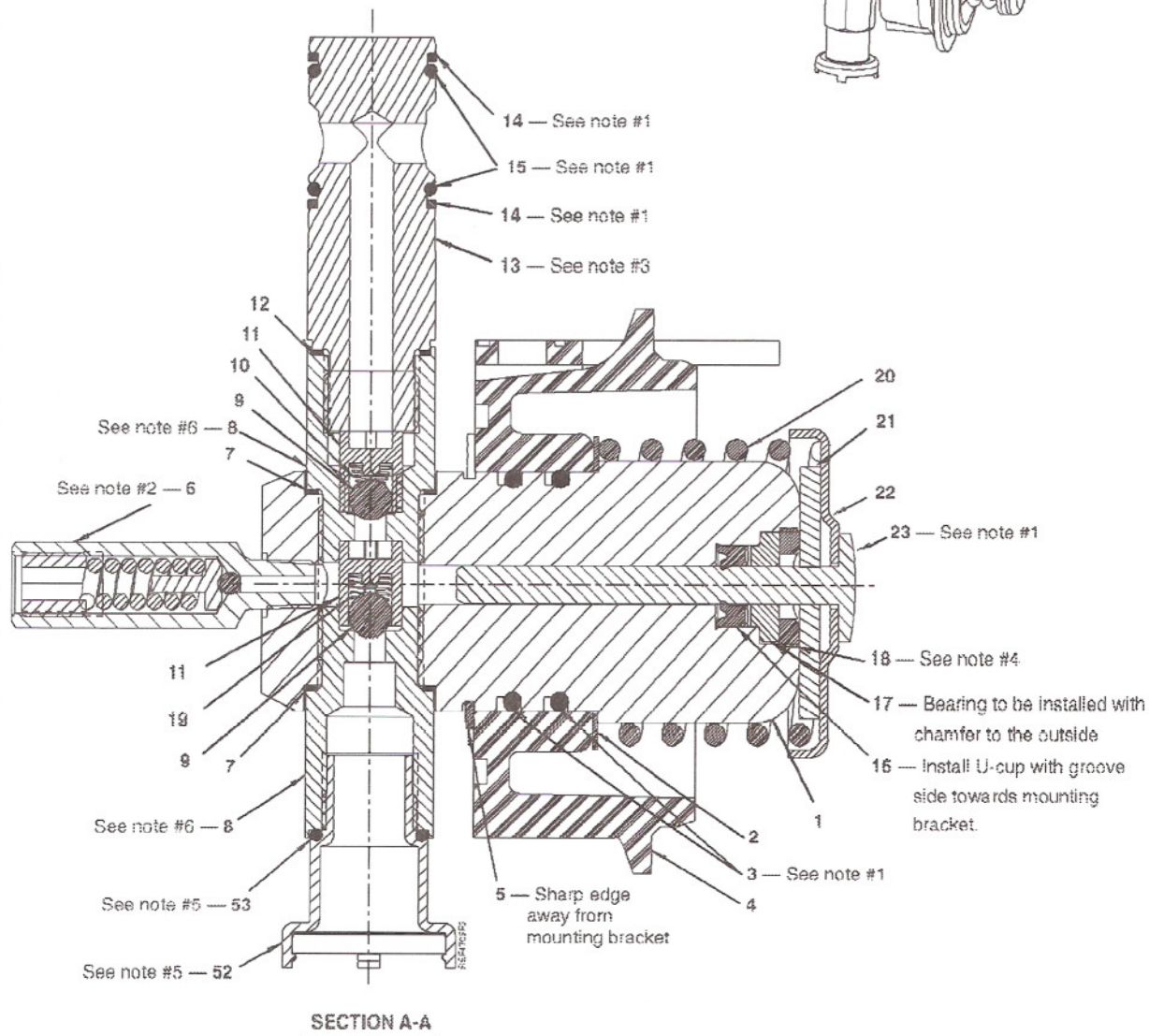
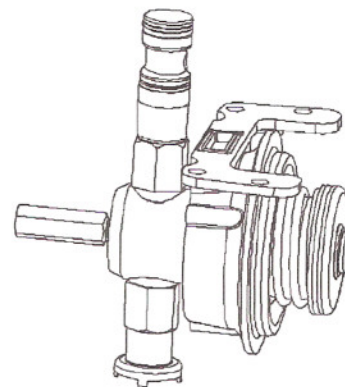
Repair Parts List for Figure 2

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	DA11741025	1	2 Gallon reservoir	53	B1221503	1	O-Ring
2	DA11720037	1	Reservoir Gasket Top Plate	54	B2521028	8	BHC Screw- .250-20x. 75 lg.
3	DA11730101	1	Plate	55	DC4487028	4	Capscrew
4	B2525028	10	BHC Screw	56	DC1063108	12	Sealing Washer
5	B1015066	14	Washer, Lock, .250	57	B1015066	4	Lock Washer .250
6	B1001122	14	Hex Nut (.250-20)	58	B1001122	4	Hex Nut (.250-20)
51	DA7933167	1	Gasket	110	DA6197028	4	Screw
52	DC460900SR	1	Intake Tube				

★ Items included in pump repair kit PAT1100K.

Notes:

1. Lubricate seals with moderate amount of DS-ES grease.
2. Apply Loctite 545 on threads, and apply 10–12 ft-lbs. [14–16 Nm] of torque to item #6. Set at 10,400 to 11,000 psi.
3. Apply Loctite 243 on threads and apply 34–41 ft-lbs. [46–55 Nm] of torque to item #8 and #13.
4. Apply one drop of Loctite 242 on threads, and apply 16–18 ft-lbs. [22–24 Nm] of torque to item #18.
5. Items #24 and #25 are installed finger tight.
6. Apply a 1/8 bead of Loctite 243 on threads and apply 38–45 ft-lbs. of torque to item #8.

**Figure 3**

Repair Parts List for Figure 3

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	DC114030	1	Hydraulic Cylinder, Turbo 10 KSI	14	★ DA4974367	2	Backup Ring
2	DA4298108	1	Washer	15	★ B1016803	2	O-ring – Global
3	★ B1258503	2	O-ring	16	★ CB918041	1	U-cup 10 KSI
4	DA4287111	1	Mounting, Bracket	17	★ CB624108	1	Bearing 10 KS
5	DA4343044	1	Bowed Ret. Ring	18	★ DA1204044	1	Bearing Retainer 10 KSI
6	DA8802900SR	1	Relief Valve Assembly	19	★ DA6911210	1	Conical Spring
7	★ DA3811167	2	Copper Gasket	20	DA4285110	1	Spring
8	DC283290SR	2	Seat	21	DA6600108	1	Rubber Washer 10 KSI
9	★ B1007016	2	1/4" Diameter Ball	22	DA4284108	1	Spring Washer, Turbo, 10 KSI
10	★ DA4874110	1	Conical Spring	23	CB180040	1	Ptunger, 10 KSI
11	★ DA3682013	2	Ball Guide	24	★ DC4440	1	Poppet
12	★ DC170167	1	Copper Gasket	52	DC442900SR	1	Intake Tube Assembly
13	DC5268SR	1	Pressure Tube 10 KSI	53	★ B1221503	1	O-Ring Ref. C403503

★ Items included as part of Repair Kit: (DC2222900K) Also included in complete Pump Repair Kit PATG1100K.

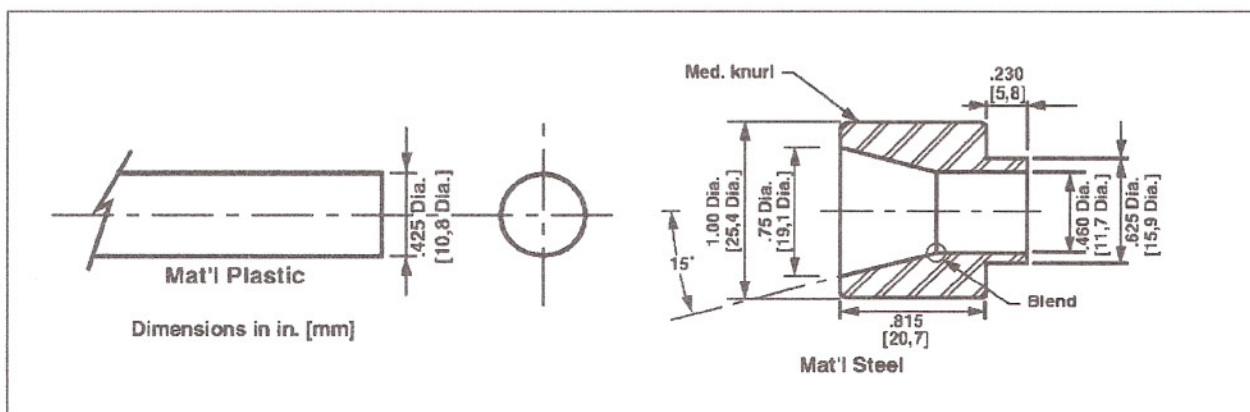


Figure 4, U-cup Installation Tools

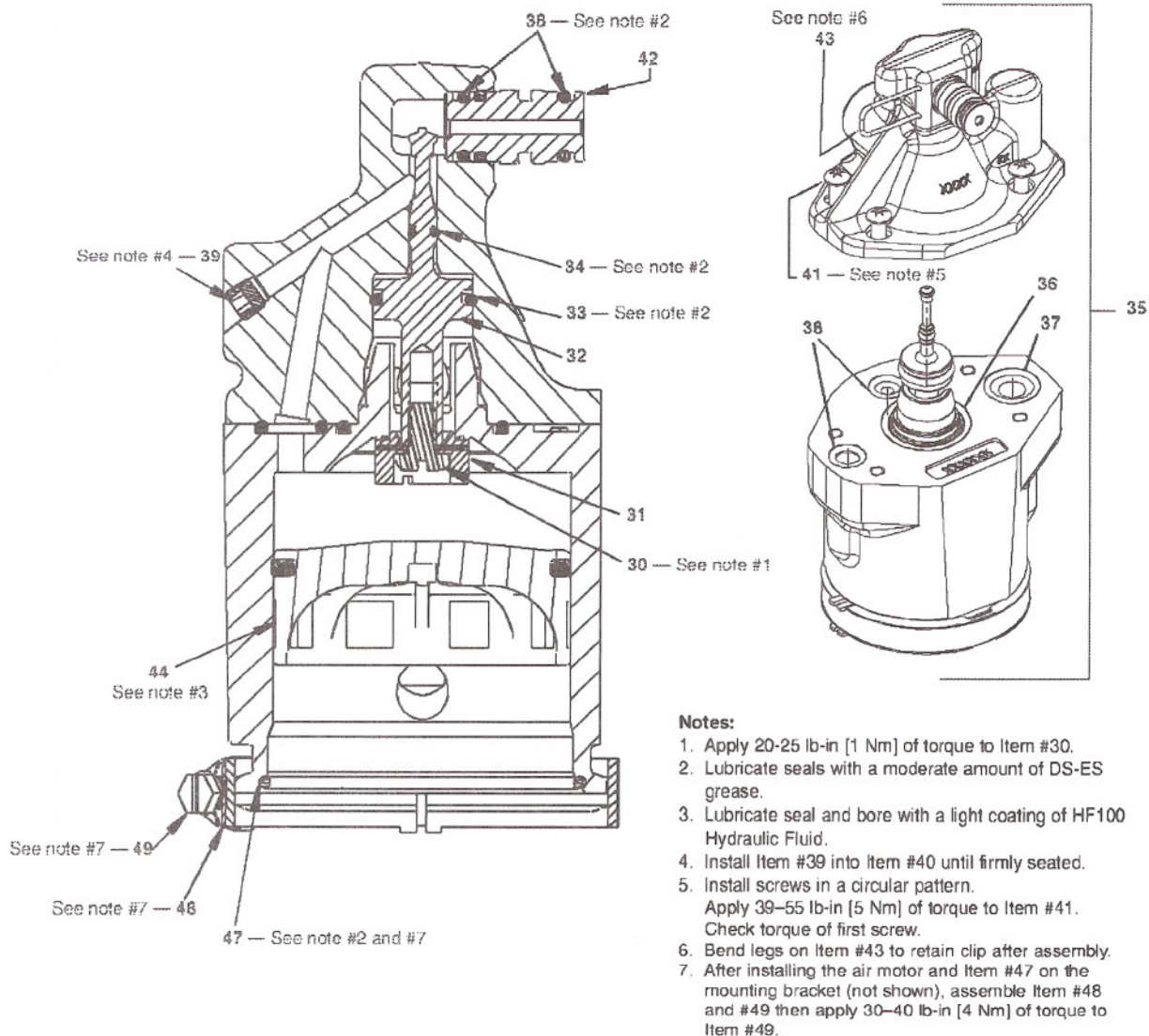


Figure 5

Repair Parts List for Figure 5

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
30	★ DA7085028	1	Screw - .250-20 Special	39	A1006245	1	1/16 Flush Plug w/Sealant
31	★ DA3706120	1	B/U Washer	41	DC2261628	4	Screw, Torx (.25-20 x .75 lg.)
32	★ DC2234051	1	Piston	42	DC2182099	1	Extension Fitting, Air Motor
33	★ B1013503	1	O-ring	43	★ DA5521149	1	Retaining Pin
34	★ B1001503	1	O-ring (.12 x .25 x .06)	44	DA4122051SR	1	Air Motor Piston Assembly
35	DC2200900SR	1	Air Motor, Complete	47	★ B1282503	1	O-ring
36	★ B1260503	1	O-ring	48	DA2687111	2	Clamp Bracket
37	★ B1014503	1	O-ring Ref M760041	49	DA2686299	1	Hose Clamp
38	★ B1009503	4	O-ring Ref K1041				

★ Items included in and available only as part of Repair Kit DC2234900SR.
Also included in complete Pump Repair Kit PATG1100K.

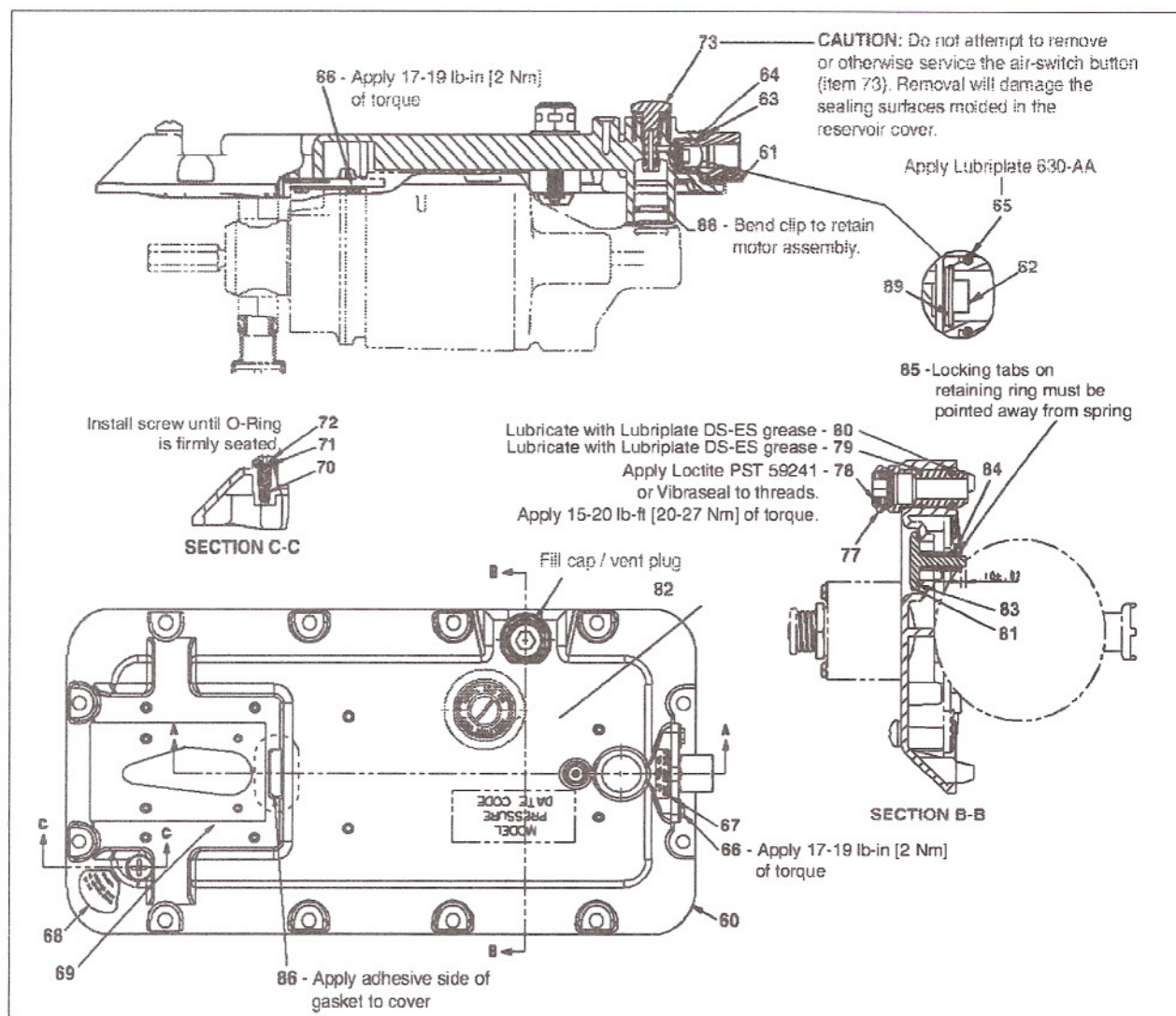


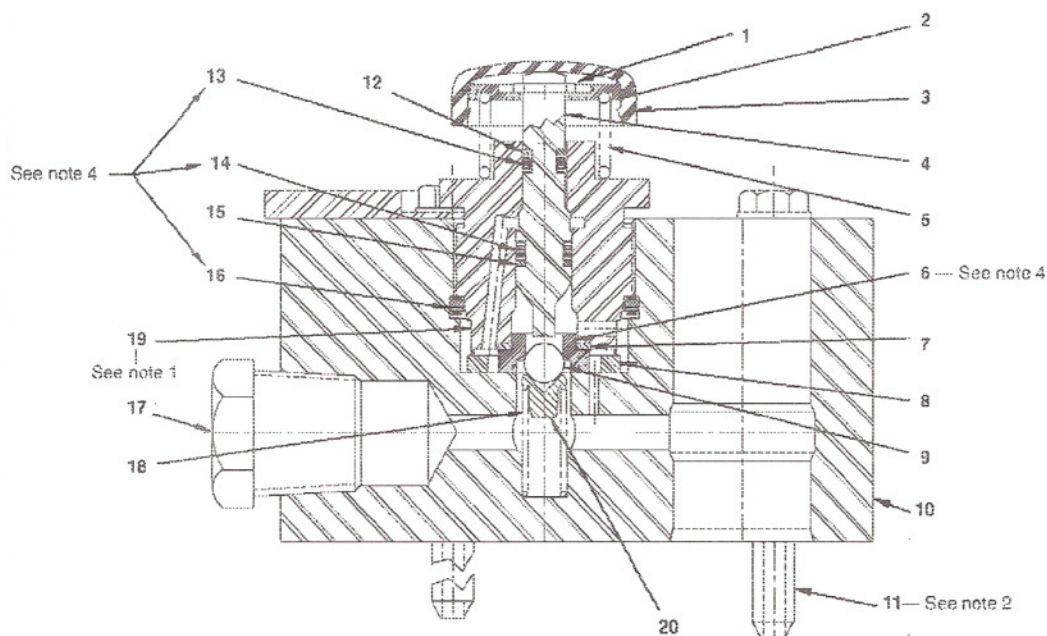
Figure 6

Repair Parts List for Figure 6

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
60	DC3914900SR	1	Red Cover Assy. (includes 61-87)	73	Air Button Kit	1	Air Button
61	DA5295034	1	Swivel Coupler	77	DA4871118	1	Breather
62	★A8001018SR	1	Filter	78	A1009245	1	3/8 Flush Plug W/Sealant
63	DA4847799	1	Stamped Bracket	79	★DA5349503	1	O-ring (Wear Coated)
64	DA5026349	1	Ret. Ring	80	★B1010503	1	O-ring
65	★B1220503	1	O-ring Ref. B839503	81	DC708440	1	Poppet
66	DA5938028	6	Hi Lo Screw	82	U972038026-2	1	Breather Vent Decal
67	U972038026-3	1	Air Tool Oil Decal	83	B1224503	1	O-ring Ref J711041
68	DA7931026	1	Caution Decal	84	DC821110	1	Compression Spring
69	★DC4997900K	1	Gasket	85	DC4077160	1	3/16" Retainer
70	★DA4390118	1	Filter	86	★DA6956037	1	Gasket
71	★B1005503	1	O-ring	88	★DA5521149	1	Retaining Pin
72	DC1522028	1	Phillips Heads Screw	89	★DC5217049	1	Retaining Ring
★ Items included in Pump Repair Kit PATG1100K.				87	★DC4027167	1	Cover Gasket
				70mm Gasket DC7031037			

Notes:

1. Torque Item #19 to 72—78 ft.-lbs. [98-105 Nm] with threads lubricated.
2. Torque Item #11 to 17—19 in.-lbs. [2 Nm].
3. Lubricate all seals and mating surfaces w/DS-ES.
Grease prior to assembly unless otherwise noted.
4. Prior to assembling Item #6 seat, coin seat with a
1/2 .219 ball to a force of 95—105 lbs. [444 N].

**Figure 7****Repair Parts List for Figure 7**

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	★ DA5025349	1	Ret. Ring	11	DA4294028	4	Thread Form Screw
2	DA4848108	1	Spring Washer	12	★ B1006564	1	B/U Washer
3	★ DA4831020	1	Cap	13	★ B1001503	1	O-Ring (.12 x .25 x .06)
4	DA4832040	1	Release Plunger	14	★ B1003503	1	O-Ring (.19 x .31 x .06) BUNA
5	★ DA6971110	1	Spring	15	★ B1008564	1	Back-up Washer
6	★ CB581290	1	Ball Seat	16	★ B1118903	1	O-Ring
7	★ P20037	1	Gasket	17	R515245-2	1	Plug
8	★ CL344167	1	Gasket	18	★ CJ656110	1	Spring
9	★ B1006016	1	7/32" Dia. Ball	19	DA4872013	1	Release Guide
10	DA4833190	1	Manifold	20	★ DA7572013	1	Ball Guide

★ Items included in and available only as part of Repair Kit DA4836900K1.
Also included in complete Pump Repair Kit PATG1100K.