



Repair Parts Sheet

15000, 15020, 15040

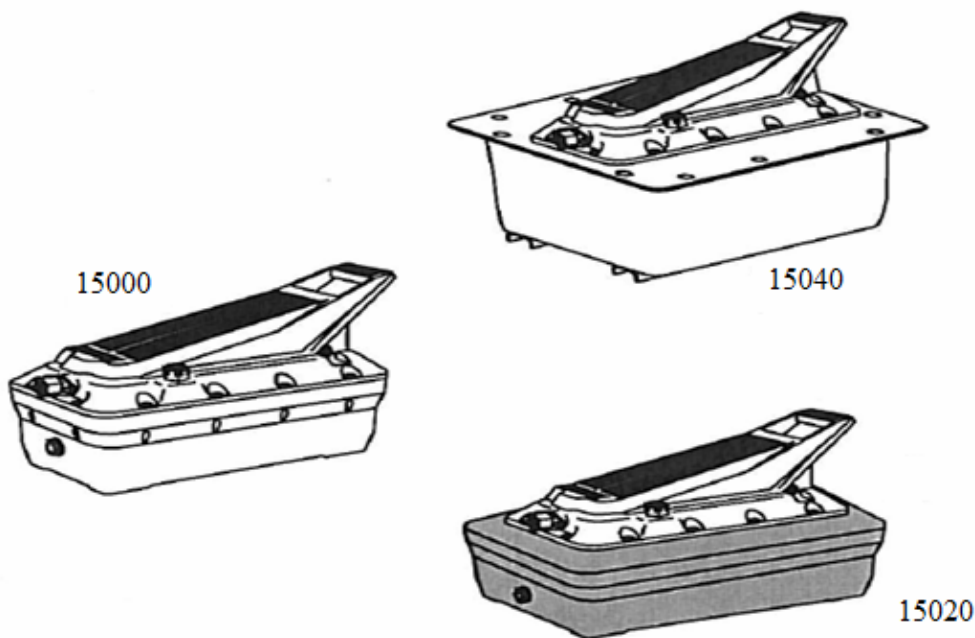
Rev. C 01/08

For Date Codes Beginning with Letter "C"

Install all kit components to insure optimum performance of the repaired product

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. Apply Loctite 545 to threads and torque to 10-12 ft.-lbs. [14-16 Nm].
5. Replace pump cover. Tighten fasteners according to torque sequence on Figure 1, Page 2.



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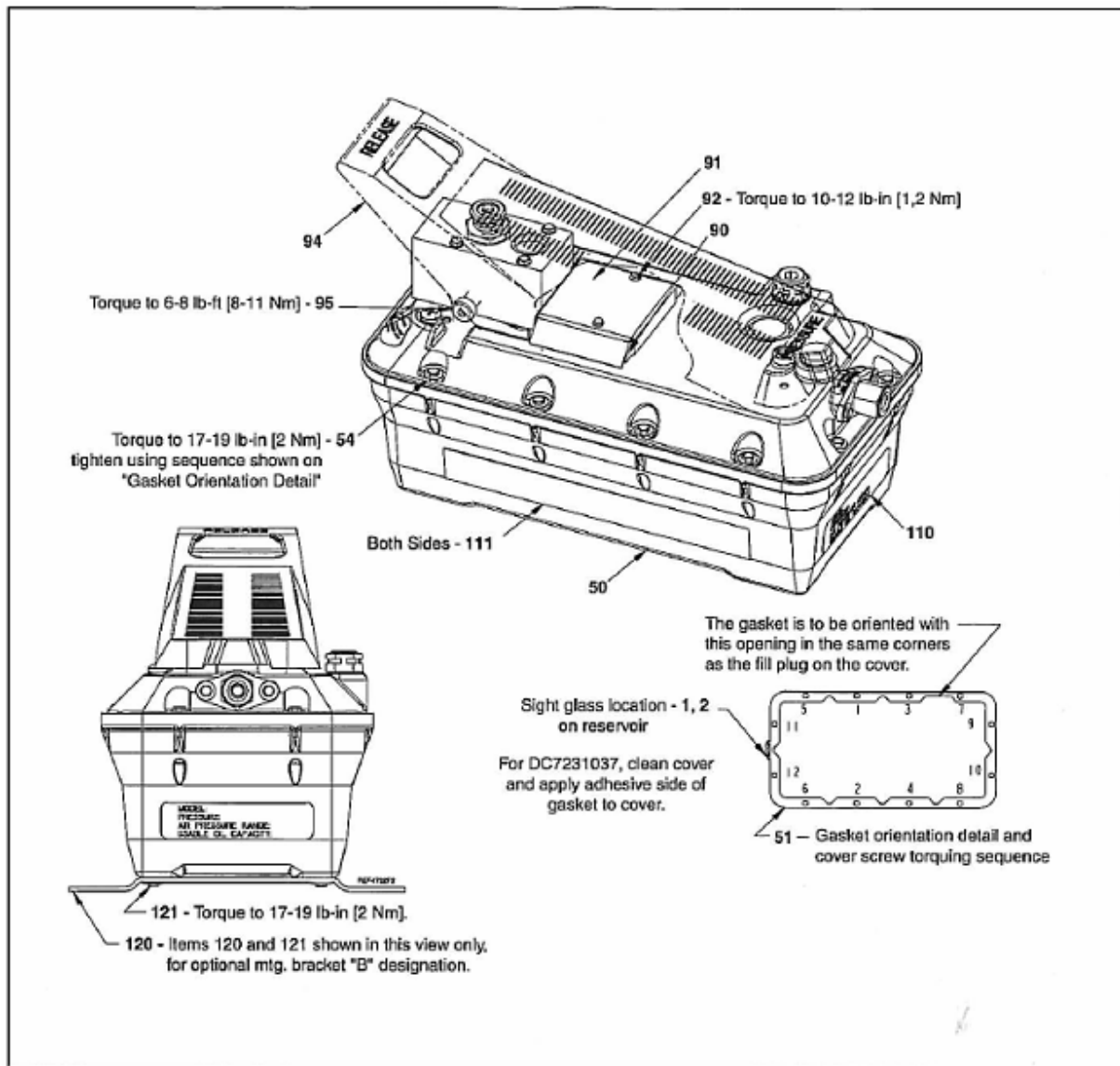


Figure 1, Treadle Assembly, 15000, 15020

Repair Parts List for Figure 1									
Item	Part No.	Stock No.	Qty.	Description	Item	Part No.	Stock No.	Qty.	Description
1	15000-001	DA12288022	1	Sight Glass	92	15000-092	DC7851028	2	Hi Lo Screw
2	15000-002	★ B1908503	1	O Ring	94	15000-094	DA4849218	1	Treadle
50	15000-050	DC4321900SR	1	Reservoir, 2 L, Yellow	95	15000-095	DA4236242	2	Shoulder Screw
	15020-050	DC4320900SR	1	Reservoir, 5 L, Black	110	15000-110	DA4296026	1	Model No. Decal
51	15000-051	★ DC4027167	1	Reservoir Gasket, 2 L	111	15000-111	DC1146026	2	Decal, AME (15040-111,15000-111)
	15020-051	★† DC7231037	1	Reservoir Gasket, 5 L (foam)		15020-111	DC825026	2	Decal, AME (15020-111)
54	15000-054	DA5938028	12	Hi Lo Screw	120	15000-120	DA5389111	2	Mtg. Bracket
90	15000-090	DA8625116	1	Muffler	121	15000-054	DA5938028	4	Hi Lo Screw
91	15000-091	DA5690098	1	Muffler					
★ Items include in Pump Repair Kit 15000RK									
† Replaces DC714517 O-Ring Gasket									

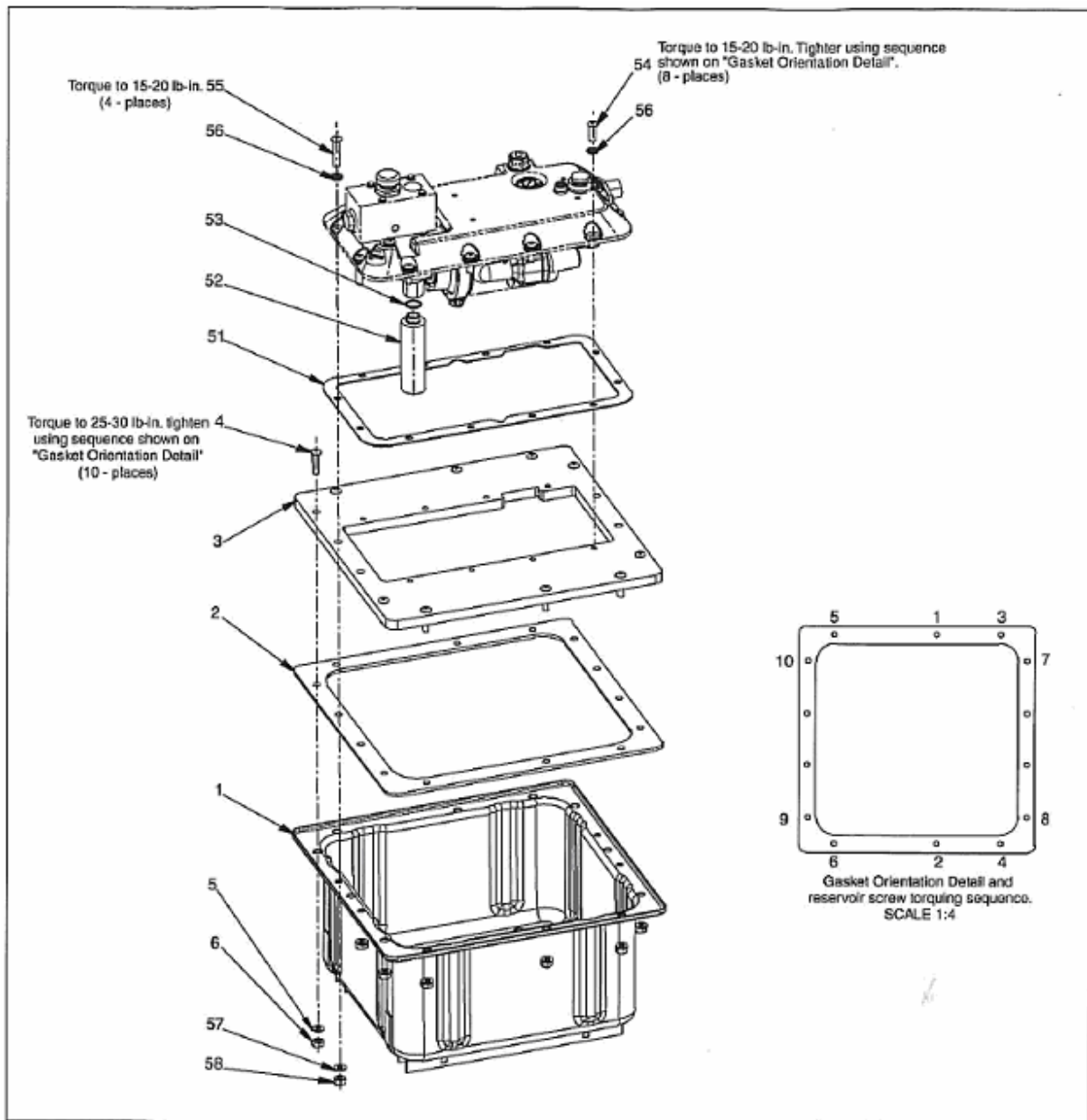


Figure 2 Treadle Assembly, 15040

Repair Parts List for Figure 2										
Item	Part No.	Stock No.	Qty.	Description	Item	Part No.	Stock No.	Qty.	Description	
1	15040-001	DA11741025	1	2 Gallon Reservoir	53	15000-253	B1221503	1	O-Ring	
2	15040-002	★DA11720037	1	Reservoir Gasket Top Plate	54	15040-054	B2521028	8	BHC Screw- .250-20x. 75 lg.	
3	15040-003	DA11730101	1	Plate	55	15040-055	DC4487028	4	Capscrew	
4	15040-004	B2525028	10	BHC Screw	56	15040-056	DC1063108	12	Sealing Washer	
5	15040-005	B1015066	14	Washer, Lock, .250	57	15040-005	B1015066	4	Lock Washer .250	
6	15040-006	B1001122	14	Hex Nut (.250-20)	58	15040-006	B1001122	4	Hex Nut (.250-20)	
51	15040-051	★DA7933167	1	Gasket	110	15040-110	DA6197028	4	Screw	
52	15040-052	DC460900SR	1	Intake Tube						
★ Items include in Pump Repair Kit 15000RK										

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 # 206. 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 #208 and # 213
4. Apply one drop of Loctite 242 on threads, and apply 16-18 ft-lbs. [22-24 Nm] of torque to item # 218
5. Items # 224 and # 225 are installed finger tight.
6. Apply a 1/2 bead of Loctite 243 on threads and apply 38-45 ft-lbs. of torque to item #208

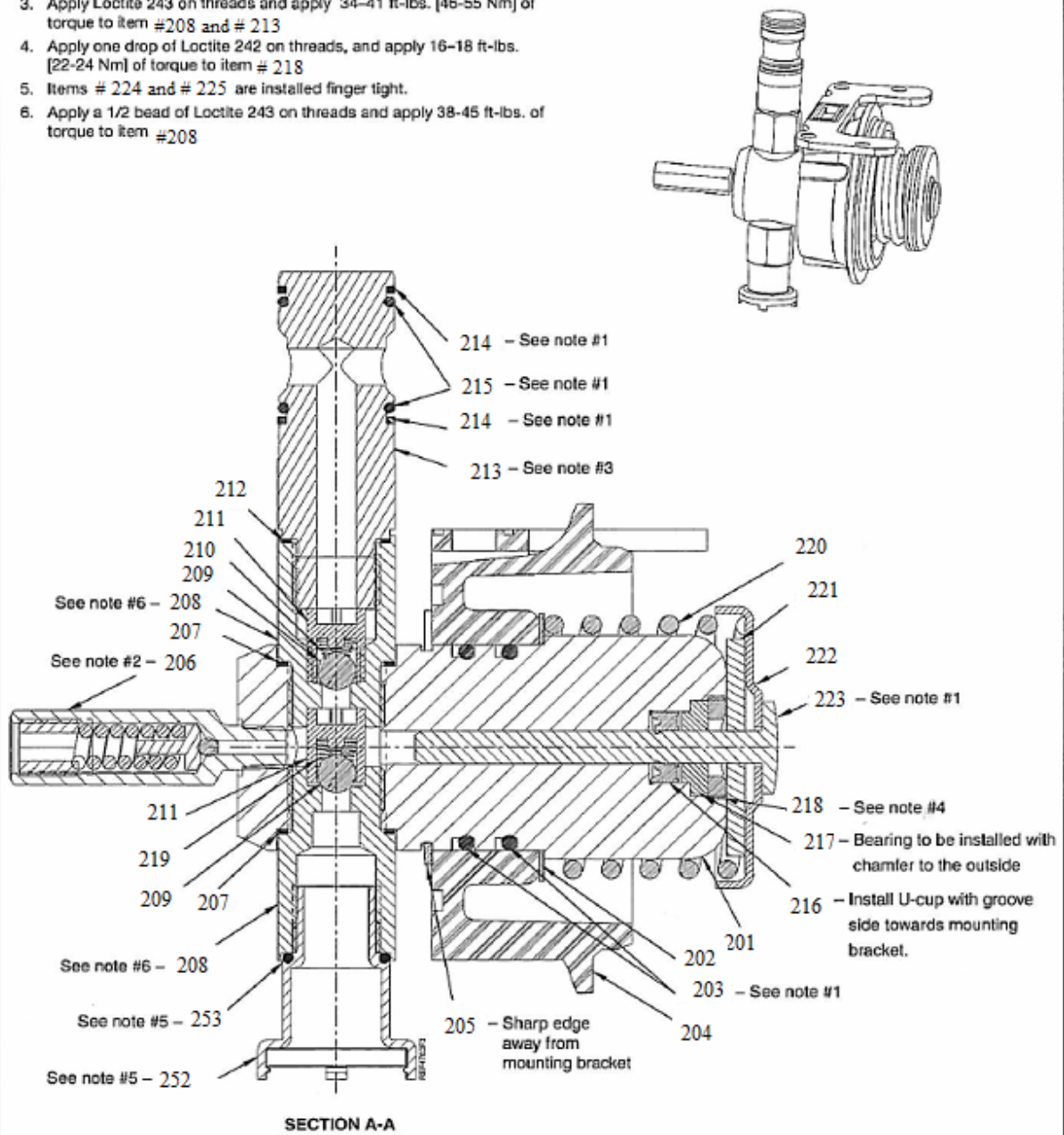


Figure 3, Hydraulic Section Detail

Hydraulic Repair Parts

Hydraulic Repair Parts List for Figure 3									
Item	Part No	Part No.	Qty.	Description	Item	Part No	Part No.	Qty.	Description
201	15000-201	DC114030	1	Hydraulic Cylinder, Turbo 10 KSI	214	15000-214	★DA4974367		Backup Ring
202	15000-202	DA4298108	1	Washer	215	15000-215	★B1016803	2	O-Ring - Global
203	15000-203	★B1258503	2	O-Ring	216	15000-216	★CB918041	2	U-Cup 10 KSI
204	15000-204	DA4287111	1	Mtg. Bracket	217	15000-217	★CB624108	1	Bearing 10 KSI
205	15000-205	DA4343044	1	Bowed Ret. Ring	218	15000-218	★DA1204044	1	Bearing Retainer 10 KSI
206	15000-206	DA8802900SR	1	Relief Valve Assy	219	15000-219	★DA6911210	1	Conical Spring
207	15000-207	★DA3811167	2	Copper Gasket	220	15000-220	DA4285110	1	Spring
208	15000-208	DC283290SR	2	Seat	221	15000-221	DA6600108	1	Rubber Washer 10 KSI
209	15000-209	★B1007016	2	1/4" Dia. Ball	222	15000-222	DA4284108	1	Spring Washer, Turbo, 10 KSI
210	15000-210	★DA4874110	1	Conical Spring	223	15000-223	DC6428040	1	Plunger, 10 KSI
211	15000-211	★DA3682013	2	Ball Guide	224	15000-224	★DC4440	1	Poppet
212	15000-212	★DC170167	1	Copper Gasket	252	15000-252	DC442900SR	1	Intake Tube Assy
213	15000-213	DC5268SR	1	Pressure Tube 10 KSI	253	15000-253	★B1221503	1	O-Ring Ref. C403503

★ Items include as part of Repair Kit 15000-HPK, Also included in complete Pump Repair Kit 15000RK

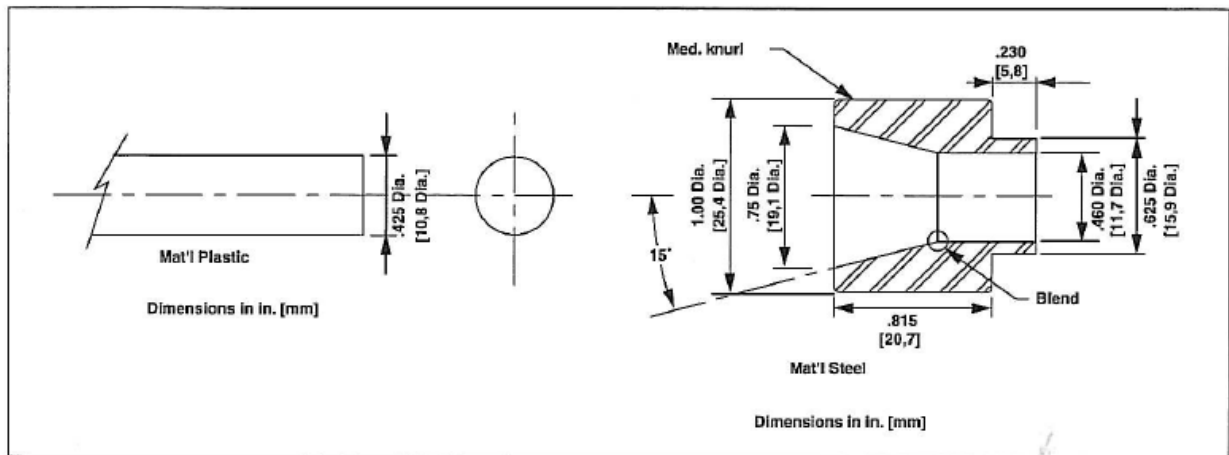


Figure 4, Seal Push Tools (U-Cup Installation)

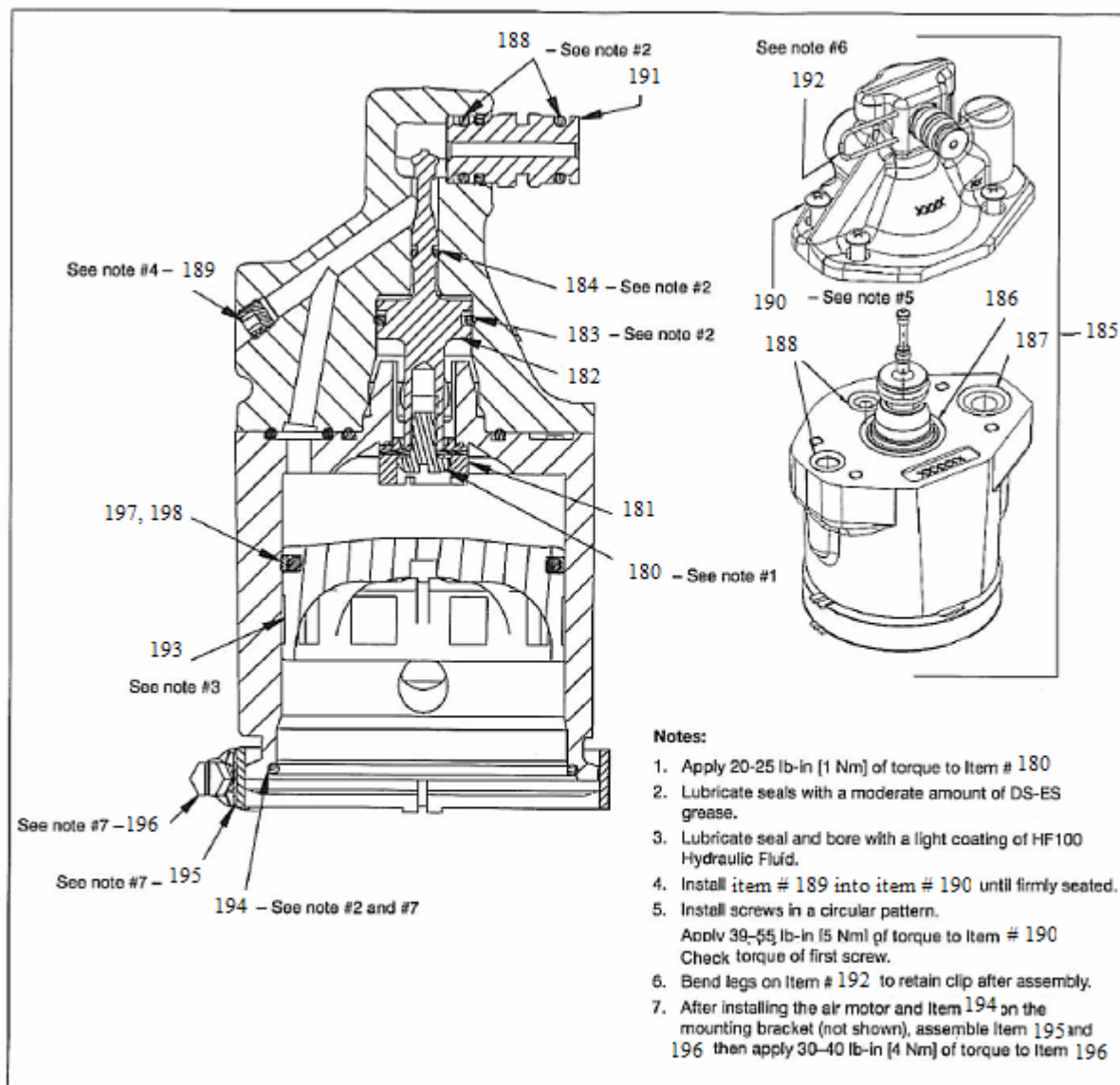


Figure 5, Air Motor Assembly

Repair Parts List for Figure 5									
Item	Part No	Stock No	Qty.	Description	Item	Part No	Stock No	Qty.	Description
180	15000-180	★ DA7085028	1	Screw - .250-20 Special	189	15000-189	A1006245	1	1/16 Flush Plug w/Sealant
181	15000-181	★ DA3706120	1	B/U Washer	190	15000-190	DC2261628	4	Screw, Torx (.25-20 x .75 lg.)
182	15000-182	★ DC2234051	1	Piston	191	15000-191	DC2182099	1	Extension Fitting, Air Motor
183	15000-183	★ B1013503	1	O-Ring	192	15000-174	★ DA5521149	1	Retaining Pin
184	15000-137	★ B1001503	1	O-Ring (.12 x .25 x .06)	193	15000-193	DC4122051SR	1	Air Motor Piston
185	15000-185	DC2200900SR	1	Air Motor, Complete	194	15000-194	★ B1282503	1	O-Ring
186	15000-186	★ B1260503	1	O-Ring	195	15000-195	DA2687111	2	Clamo Brk.
187	15000-187	★ B1014503	1	O-Ring Ref M760041	196	15000-196	DA2686299	1	Hose Clamp
188	15000-188	★ B1009503	4	O-Ring Ref K1041	197	15000-197	★ DC4119703	1	O-Ring
					198	15000-198	★ DC4120141	1	Glyde Ring

★ Items include in and available only as part of Repair Kit 15000-AMK

Also include in complete Pump Repair Kit 15000RK

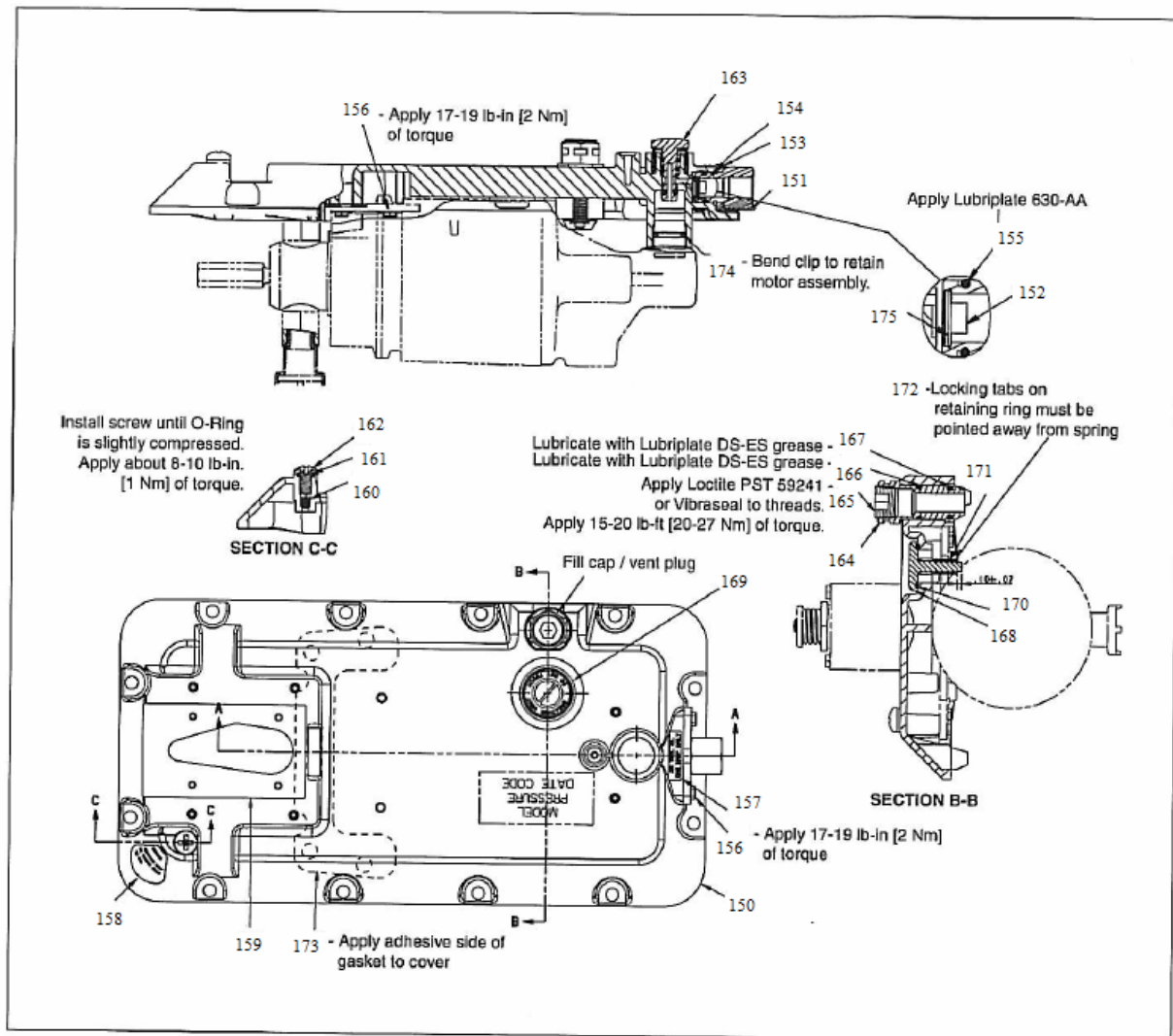


Figure 6, Cover Assembly

Item		Part No.	Qty.	Description		Item		Part No.	Qty.	Description
150	15000-150	DC3913900SR	1	Blk Cover Assy. (incl 61-87)		163	15000-163	DA4802051SR	1	Air Button
151	15000-151	DA5295034	1	Swivel Coupler		164	15000-164	DA4871118	1	Breather
152	15000-152	★ A8001018SR	1	Filter		165	15000-165	A1009245	1	3/8 Flush Plug W/Sealant
153	15000-153	DA4847799	1	Stamper Bracket		166	15000-166	★ DA5349503	1	O Ring (Wear Coated)
154	15000-154	DA5026349	1	Ret. Ring		167	15000-167	★ B1010503	1	O Ring (Wear Coated)
155	15000-155	★ B1220503	1	O Ring Ref B839503		168	15000-168	DC708440	1	Poppet
156	15000-054	DA5938028	6	Hi Lo Screw		169	15000-169	U972038026-2	1	Breather Vent Decal
157	15000-157	U972038026-3	1	Air Tool Oil Decal		170	15000-170	B1224503	1	O Ring Ref J711041
158	15000-158	DA7931026	1	Caution Decal		171	15000-171	DC821110	1	Compression Spring
159	15000-159	★ DC4997900K	1	Gasket Set		172	15000-172	DC4077160	1	3/16"Retainer
160	15000-160	★ DA4390118	1	Filter		173	15000-173	† ★ DC7872037	1	Gasket
161	15000-161	★ B1005503	1	O Ring		174	15000-174	★ DA5521149	1	Retaining Pin
162	15000-162	★ DC7838028	1	1/4 x 3/8"Hi Lo Screw		175	15000-175	★ DC5217049	1	Retaining Ring

★ Items include in Pump Repair Kit, 15000 RK.
† Replaces and interchangeable with gasket DA6956057

Notes:

1. Torque Item #19 to 72-78 lb-ft [98-105 Nm] with threads lubricated.
2. Torque Item #11 to 17-19 lb-in [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 ϕ .219 ball to a force of 95-105 lbs. [444 N].

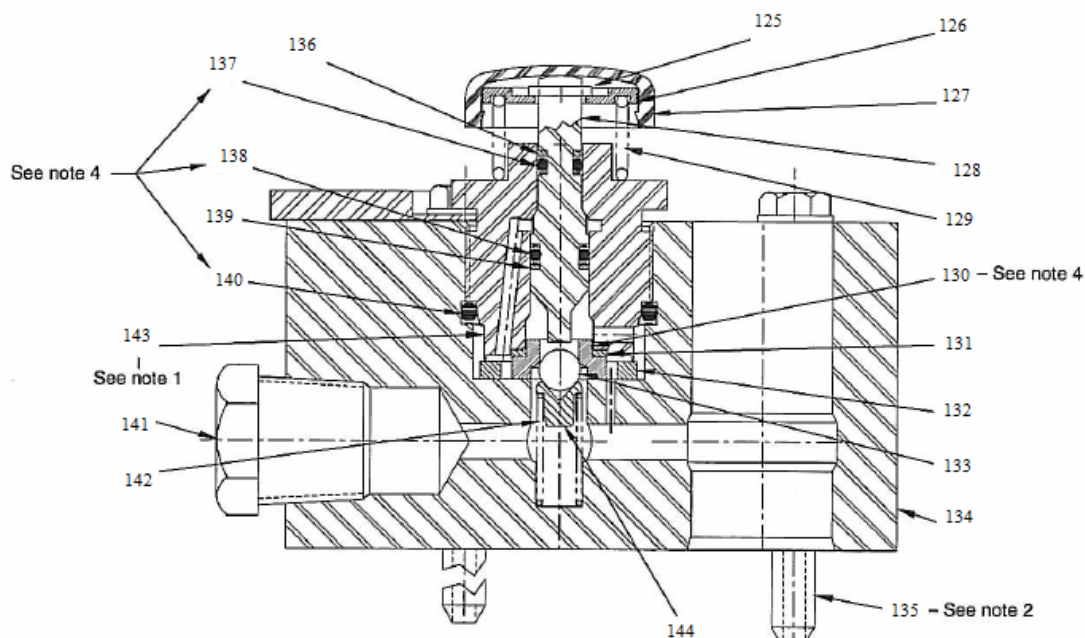


Figure 8, Release Valve

Repair Parts List for Figure 8

Item		Part No.	Qty.	Description	Item		Part No.	Qty.	Description
125	15000-125	★ DA5025349	1	Ret. Ring	135	15000-135	DA4294028	4	Thd. Form Screw
126	15000-126	DA4848108	1	Spring Washer	136	15000-136	★ B1006564	1	B/U Washer
127	15000-127	★ DA4831020	1	Cap	137	15000-137	★ B1001503	1	O-Ring (.12 x .25 x .06)
128	15000-128	DA4832040	1	Release Plunger	138	15000-138	★ B1003503	1	O-Ring (.19 x .31 x .06) BUNA
129	15000-129	★ DA6971110	1	Spring Washer	139	15000-139	★ B1008564	1	Back-up Washer
130	15000-130	★ CB581290	1	Ball Seat	140	15000-140	★ B1118903	1	O-Ring
131	15000-131	★ P20037	1	Gasket	141	15000-141	R515245-2	1	Plug
132	15000-132	★ CL344167	1	Gasket	142	15000-142	★ CJ656110	1	Spring
133	15000-133	★ B1006016	1	7/32"Dia. Ball	143	15000-143	DA4872013	1	Release Guide
134	15000-134	DA4833190	1	Manifold	144	15000-144	★ DA7572013	1	Ball Guide

★ Items included in and available only as part of Repair Kit 15000-RVK

Also included in complete Pump Repair Kit 15000 RK



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