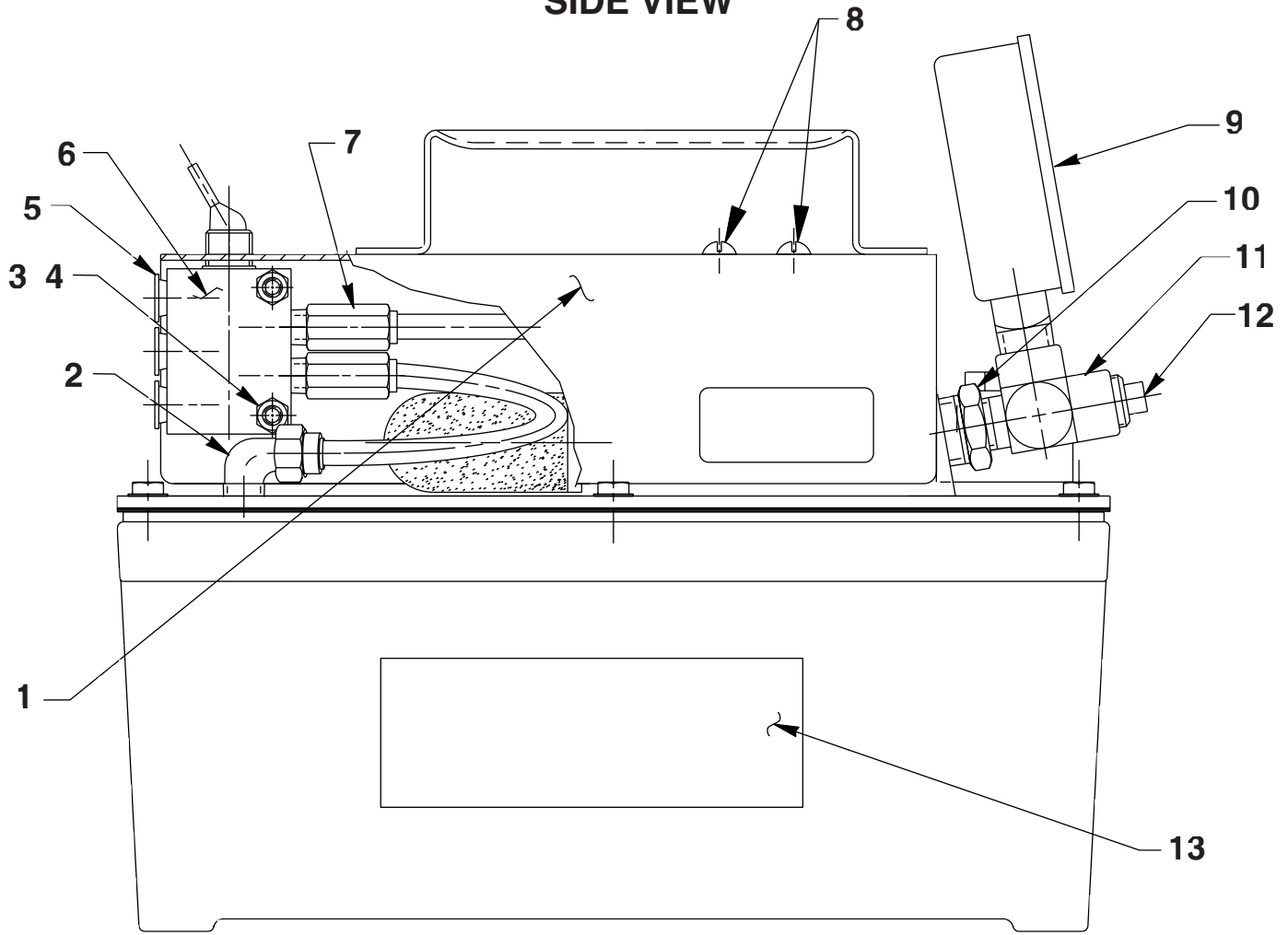
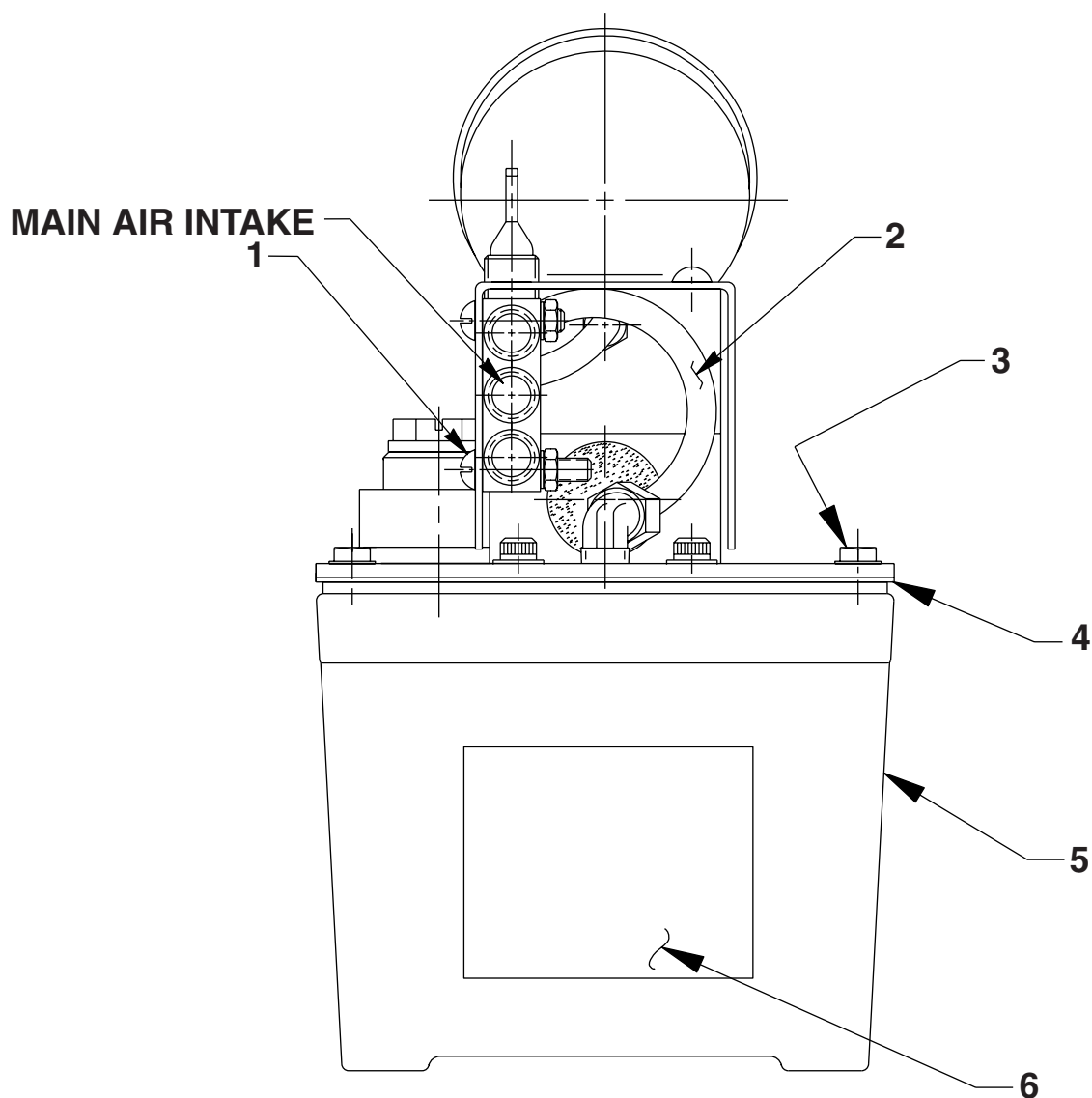


MODEL G
AIR HYDRAULIC PUMP
Rated Capacity: 5,000 PSI at 110 PSI Air Max.
SIDE VIEW



Item No.	Part No.	No. Req'd	Description
1	420384BK2	1	Shroud
2	15457	1	Fitting, Elbow (90°; 1/4 NPTF)
3	10197	2	Nut, Hex (10-24)
4	11108	2	Washer, Tooth Ext. (.40 x .20)
5	15697	3	Cap, Plastic
6	350329	1	Valve, Air Operated 4-Way
7	250464	3	Fitting, Straight (1/8 NPTF)
8	10164	4	Screw, Round HD (10-24 x 3/8)
9	17946	1	Gauge, 0-6000 PSI (2-1/2" DIA.)
10	10676	1	Fitting, Straight (3/8 NPTF)
11	10618	1	Fitting, Tee (1/4 NPTF)
12	10970	1	Fitting, Plug (1/4 NPTF)
13	211533	2	Decal, Tradename (Hytec, Center on reservoir as shown [Both Sides])

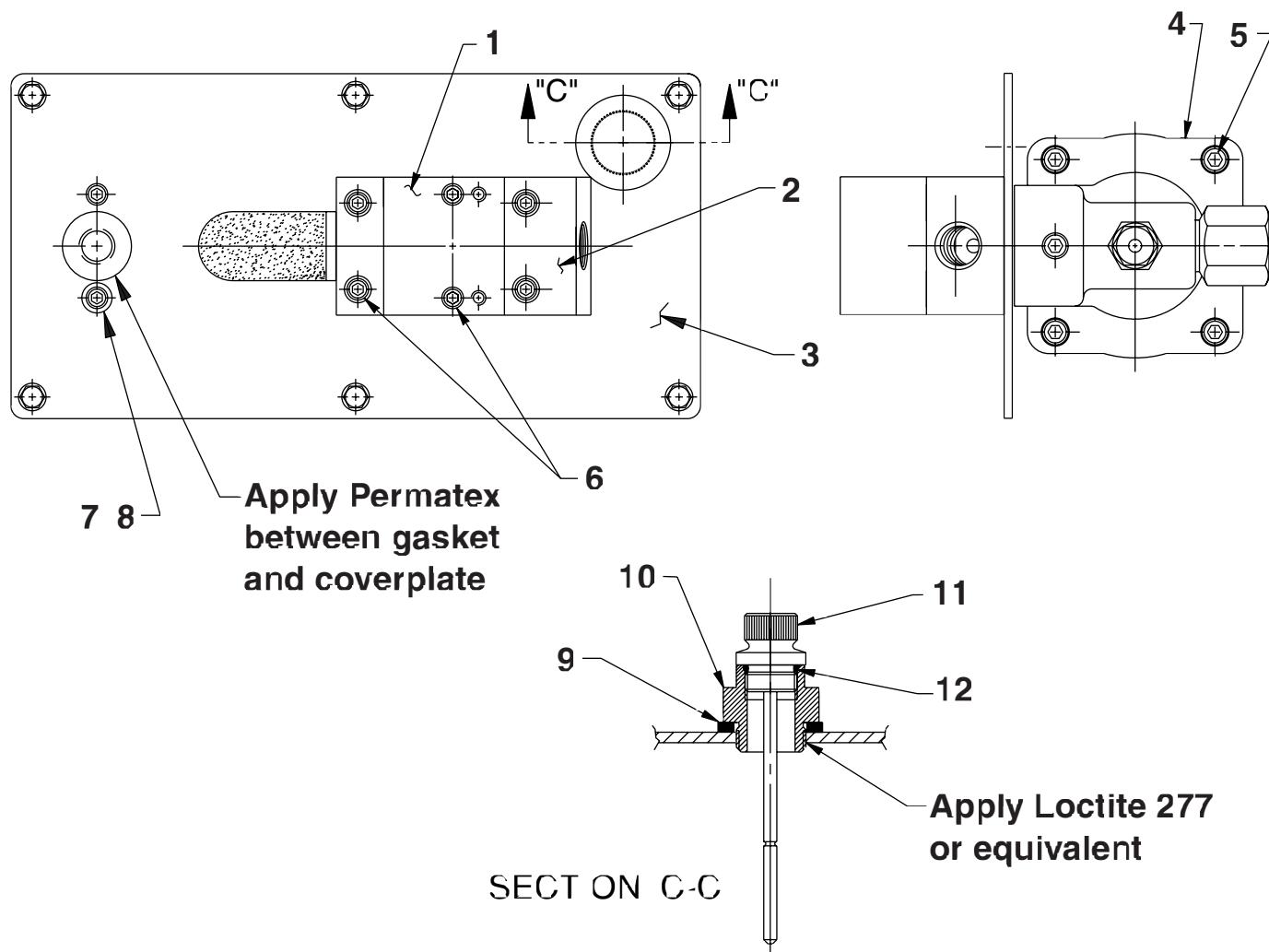
END VIEW



Item No.	Part No.	No. Req'd	Description
1	11856	2	Screw, Round HD (10-24 x 1)
2	14726	.80 ft.	Tubing, Nylon
3	211060	10	Screw, Hex Washer HD (9-15 x 1; Torque to 25/30 in. lbs.)
4	*33853	1	Gasket, Reservoir
5	61243	1	Reservoir
6	305494	1	Decal, Instruction Oil Lub (NOTE: Center on reservoir.)

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300983.

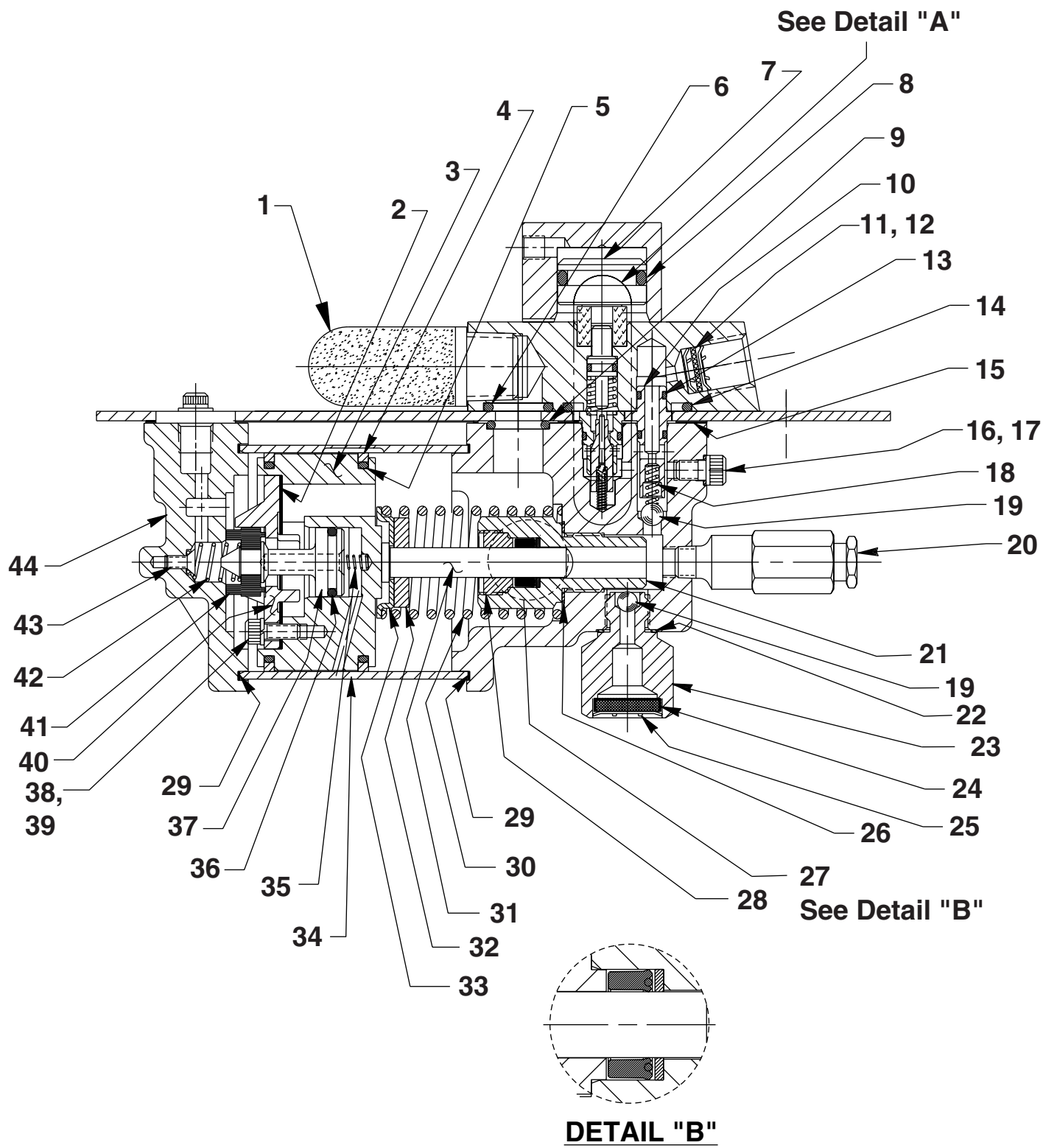
TOP & END VIEWS



Item No.	Part No.	No. Req'd	Description
1	420293	1	Body, Piston Release Valve
2	58685	1	Body, Release Valve
3	421236BK2	1	Plate, Cover
4	64767	1	Body, Pump
5	17428	4	Screw, Socket HD (1/4-20 x 3-1/2; Torque to 85/95 in. lbs. oiled; NOTE: Cross torque in increments of 30 in. lbs.)
6	11151	6	Screw, Socket HD (10-24 x 1-1/4; Torque to 50/60 in. lbs.)
7	11434	2	Screw, Socket HD (10-24 x 1/2)
8	11089	2	Washer, Flat (.51 x .22)
9	252041	1	Washer, Seal (1.50 x 1.05)
10	351214	1	Adapter, Filler Plug
11	252076	1	Stick, Dip
12	*10273	1	O-ring (.81 x .62 Nitrile)

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300983.

BASIC PUMP ASSEMBLY

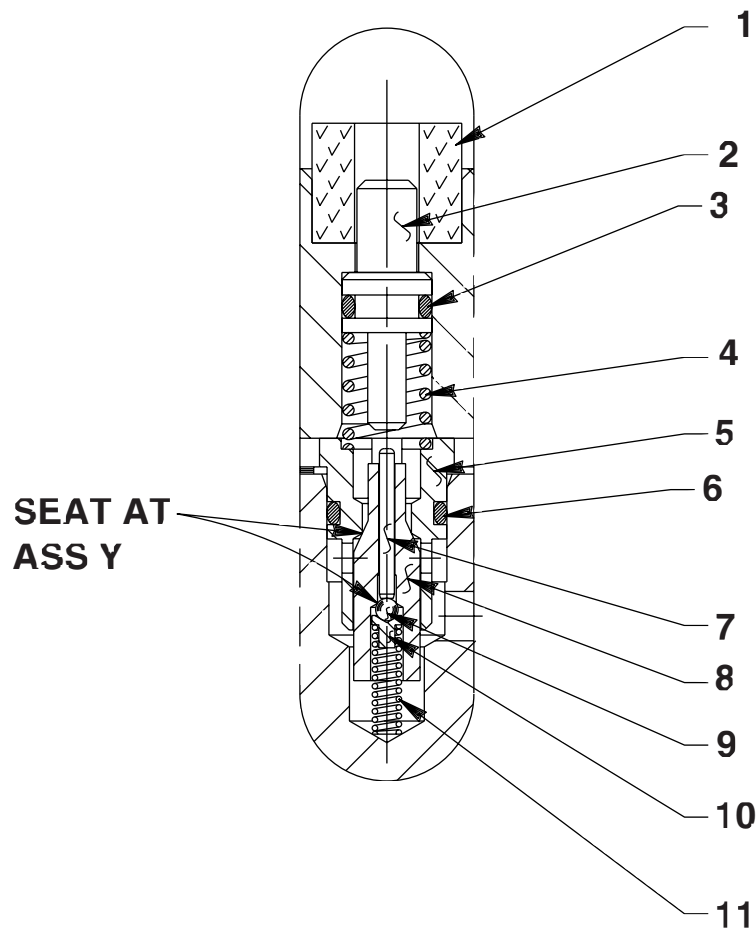


Item No.	Part No.	No. Req'd	Description
1	250461	1	Muffler, Air Pump
2	*28239	1	Gasket
3	52390	1	Body, Piston
4	*14265	2	Ring, Piston (2.77 x 2.54)
5	*251835	2	O-ring (2.50 x 2.31 Nitrile)
6	*10276	1	O-ring (1.00 x .75 Nitrile)
7	34757	1	Piston, Release
8	*208144	1	O-ring (1.12 x .87 Nitrile; Apply Moly Kote)
9	*10272	1	O-ring (.75 x .50 Nitrile)
10	34378	1	Body, Check Valve
11	*250638	1	Disc, Filter Oil
12	*11088	2	Ring, Retain Int. (0.31 x .010)
13	12522	2	O-ring (.37 x .25 Nitrile)
14	*11841	1	O-ring (1.62 x 1.37 Nitrile)
15	*351021	1	Gasket, Cover Plate
16	*10442	1	Washer, Copper (.37 x .25)
17	10002	1	Screw, Socket HD (1/4-20 x 3/8; Torque to 90/110 in. lbs.)
18	*10445	1	Spring (.16 OD x .72 x .01 WS)
19	*10423	2	Ball (9/32" DIA. Steel)
20	21278-48	1	Valve, Relief (4,800/5,300 PSI; Apply Loctite 592 [PT #905516] or equiv.; Torque to 150/170 in. lbs.)
21	421676	1	Housing, Seal & Piston (Torque to 90/100 ft. lbs. oiled)
22	*10261	1	Washer, Copper (.75 x .60)
23	48010	1	Adapter, Filter (Torque to 40/50 ft. lbs. oiled)
24	214578	1	Filter
25	214586	1	Ring, Retain Int. (0.63 x .015)
26	*10263	1	Washer, Special (1.00 x .77)
27	*252373	1	U-cup & Backup (.375)
28	*351801	1	Retainer (Note: See "INSTRUCTIONS FOR RETAINER REPLACEMENT" on sheet 4 of 4.)
29	*17429	2	Washer, Backup (2.94 x 2.75)
30	*13938	1	Spring (1.45 OD x 4.4 x .12 WS)
31	252372	1	Piston (3/8")
32	*252371	1	Bumper
33	252370	1	Guide, Spring
34	37434	1	Cylinder, Air (NOTE: Locate groove on upper half [top] of pump with chamfered tube end towards rear head as shown.)
35	*12692	1	Spring (.18 OD x 1.70 x .02 WS)
36	*211052	1	O-ring (.90 x .70 Nitrile)
37	305475	1	Stem, Exhaust Valve
38	*10241	3	Washer, Lock (.33 x .20)
39	211054	3	Screw, Socket HD (10-24 x 1/2; Torque to 50/55 in. lbs.)
40	33822	1	Casting, Piston End Plate
41	*28183	1	Poppet, Piston
42	*205679	1	Spring (.49 OD x .92 x .04 WS)
43	*205674	1	Screw, Flat HD (8-32 x 3/8; Torque to 12/18 in. lbs.)
44	37468	1	Head, Rear

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300983.

Note: Shaded areas reflect last revision(s) made to this form.

DETAIL "A"



Item No.	Part No.	No. Req'd	Description
1	*206504	1	Tube, Foam
2	28227	1	Button, Release Valve
3	*10266	1	O-ring (.37 x .25 Nitrile)
4	*13944	1	Spring (.36 OD x .50 x .05 WS)
5	34377	1	Retainer, Poppet
6	*15279	1	O-ring (.50 x .37 Nitrile)
7	13937	1	Pin, Dowel (.06 x .63; NOTE: Place tapered end toward ball.)
8	29037	1	Poppet, Release Valve
9	*14443	1	Ball (3/32" DIA. Steel)
10	209736	1	Retainer, Ball
11	*13959	1	Spring (.12 OD x .50 x .02 WS)

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300983.

Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

Items found in this parts list have been carefully tested and selected. **Therefore: Use only genuine Hytec replacement parts!**

Additional questions can be directed to our Technical Services Department.

INSTRUCTIONS FOR RETAINER REPLACEMENT

Your pump's retainer is locked into place by one of the two following methods. Determine which method was used on your pump's retainer, then follow the appropriate steps to remove the old and install and stake the new.

Method 1 - Retainer shows no sign of stake marks

1. This retainer has been locked in place with a Loctite product. To replace it, a moderate amount of heat needs to be applied to the cylinder nut (in the area of the retainer) to soften the existing Loctite allowing it to be removed.
2. Install the new retainer into the cylinder nut and torque to 80/100 in. lbs. **Note: Do not use a Loctite product this time but stake the new retainer in place according to instructions in Step 3.**
3. To lock retainer into place, use a center punch positioned in the seam between the retainer and the cylinder nut and stake the new retainer in two places approximately 180° apart.

Method 2 - Retainer has two stake marks in the seam between the retainer and the cylinder nut

1. For replacement of this retainer, the stake marks must be removed. Using a 1/8" or larger diameter drill bit, remove the existing stakes by drilling a short distance into the stake marks. Remove the retainer.
2. Install the new retainer into the cylinder nut and torque to 80/100 in. lbs.
3. To lock retainer into place, use a center punch positioned in the seam between the retainer and the cylinder nut and stake the new retainer in two places approximately 180° apart.

NOTE: Do not stake in the old stake marks.

