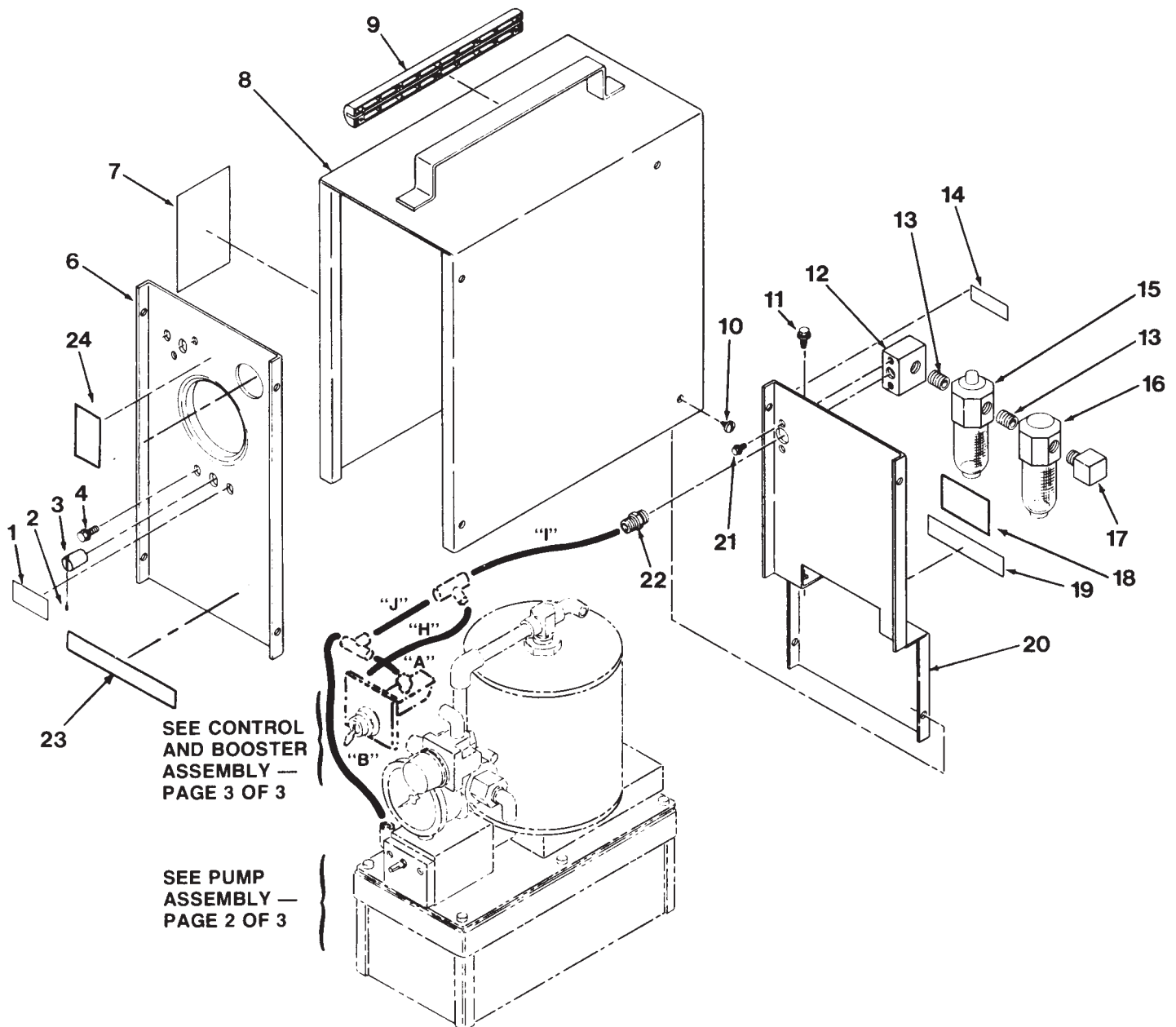


MODEL C
AIR HYDRAULIC 2 STAGE BOOSTER
GENERAL ASSEMBLY



Item No.	Part No.	No. Req'd	Description
1	*15407	1	Decal
2	10132	1	Set Screw (#8-32 UNC X 1/4 Lg.)
3	200685	1	Knob
4	15416	2	Hex. Hd. Machine Screw (#10-24 X 3/4 Lg.)
6	42626PU2	1	Front Panel
7	201906	2	Decal (Trade Name)
8	50700WH2	1	Top Cover
9	41756	2	Handle Grip
10	14394	8	Sheet Metal Screw (10 X 3/8 Lg.)
11	14456	6	Thread Forming Screw (#10-24 X 1/2 Lg.; Torque to 25/30 in. lbs.)
12	200342	1	Intake Adapter
13	15024	2	Close Nipple
14	15411	1	Decal (Patent)

Item No.	Part No.	No. Req'd	Description
15	15009	1	Air Lubricator (Replacement bowl only - #206264; For Service Instr. see Form #16460)
16	15010	1	Air Filter (Replacement bowl only - #206265; For Service Instr. see Form #16967)
17	15373	1	Elbow (90°)
18	*12204	1	Decal (Venting Instructions)
19	*15408	1	Decal (Air-Oil Vent)
20	50701PU2	1	Back Panel
21	15415	2	Hex. Hd. Machine Screw (#10-24 X 3/8 Lg.)
22	15042	1	Fitting
23	36443	1	Decal (Booster-Pac)
24	203134	1	Decal (Clamp Release)

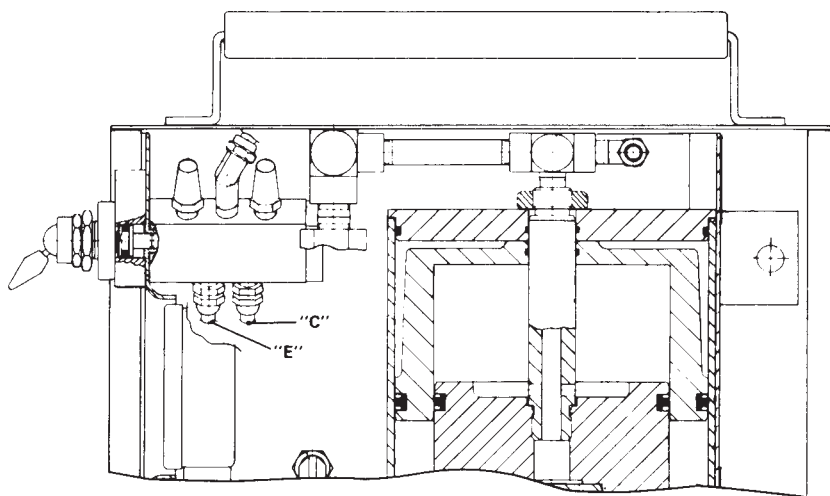
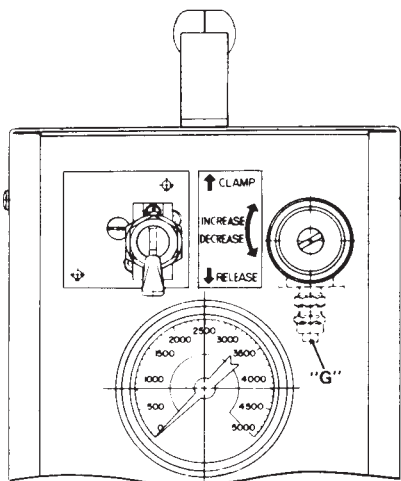
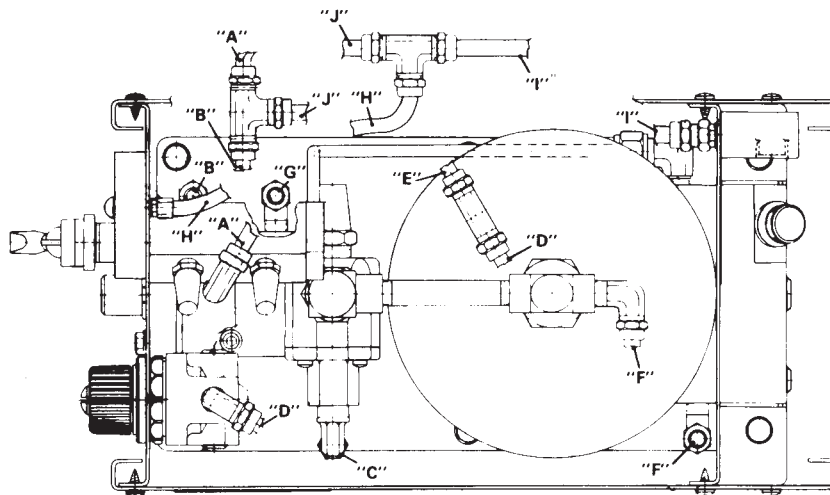
Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300448.

SERVICE INSTRUCTIONS FOR TUBE HOOK-UP

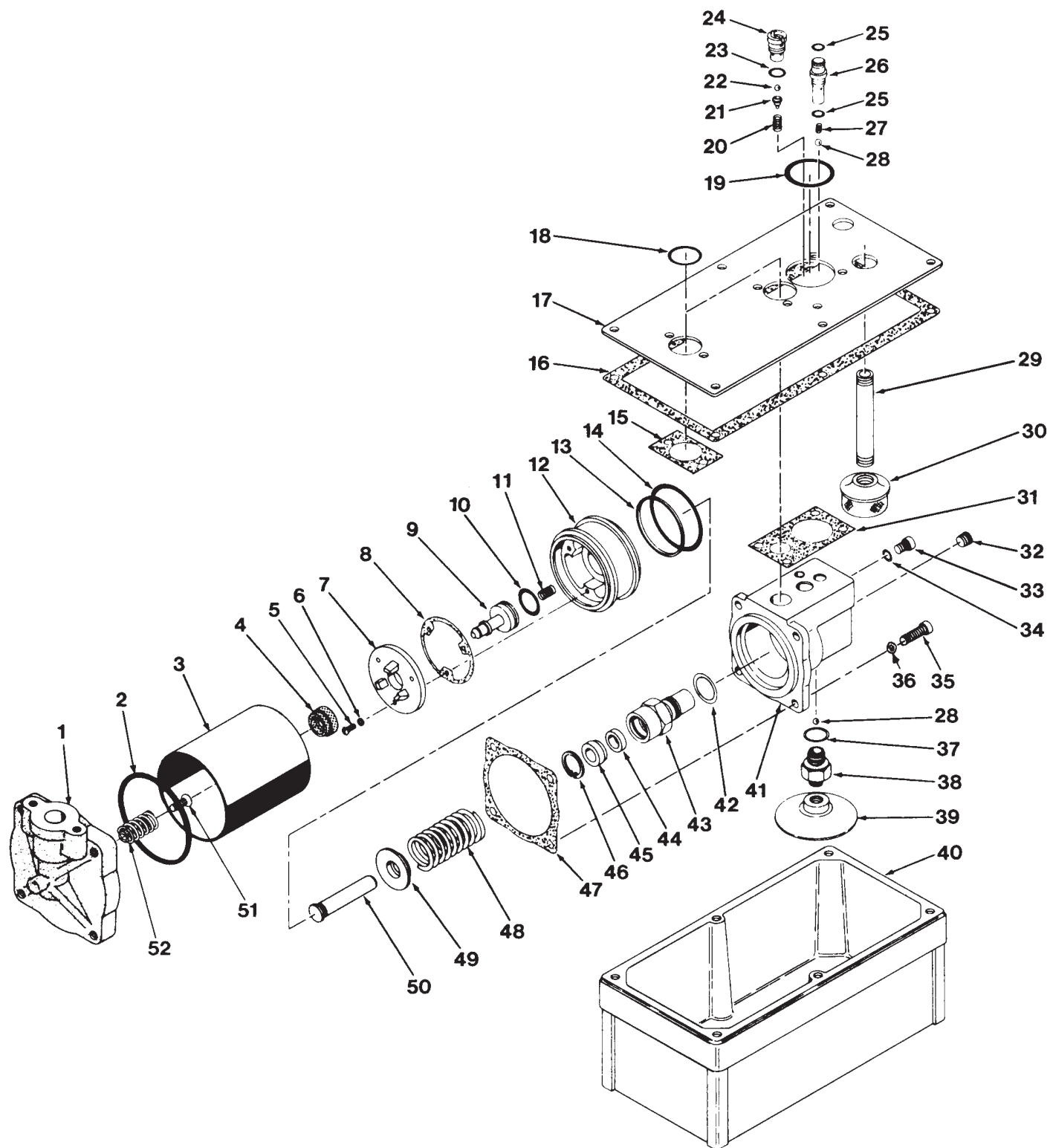
The assembly drawings on this page provide a cut-away view of all tube hook-ups for repair and reassembly. A hook-up is indicated between a corresponding set of parts by their matching letters. For example, "A" connects with "A", "B" connects with "B", and so forth. The appropriate length of tubing used on the hook-ups is shown in the table below.

TUBING LENGTH

Length	Location
1-3/4"	"B" - "B"
2-1/2"	"J" - "J"
5"	"I" - "I" & "E" - "E"
5-1/2"	"H" - "H"
6"	"A" - "A"
6-1/2"	"G" - "G"
7-3/4"	"D" - "D"
8-3/4"	"F" - "F"
9"	"C" - "C"



BASIC PUMP ASSEMBLY



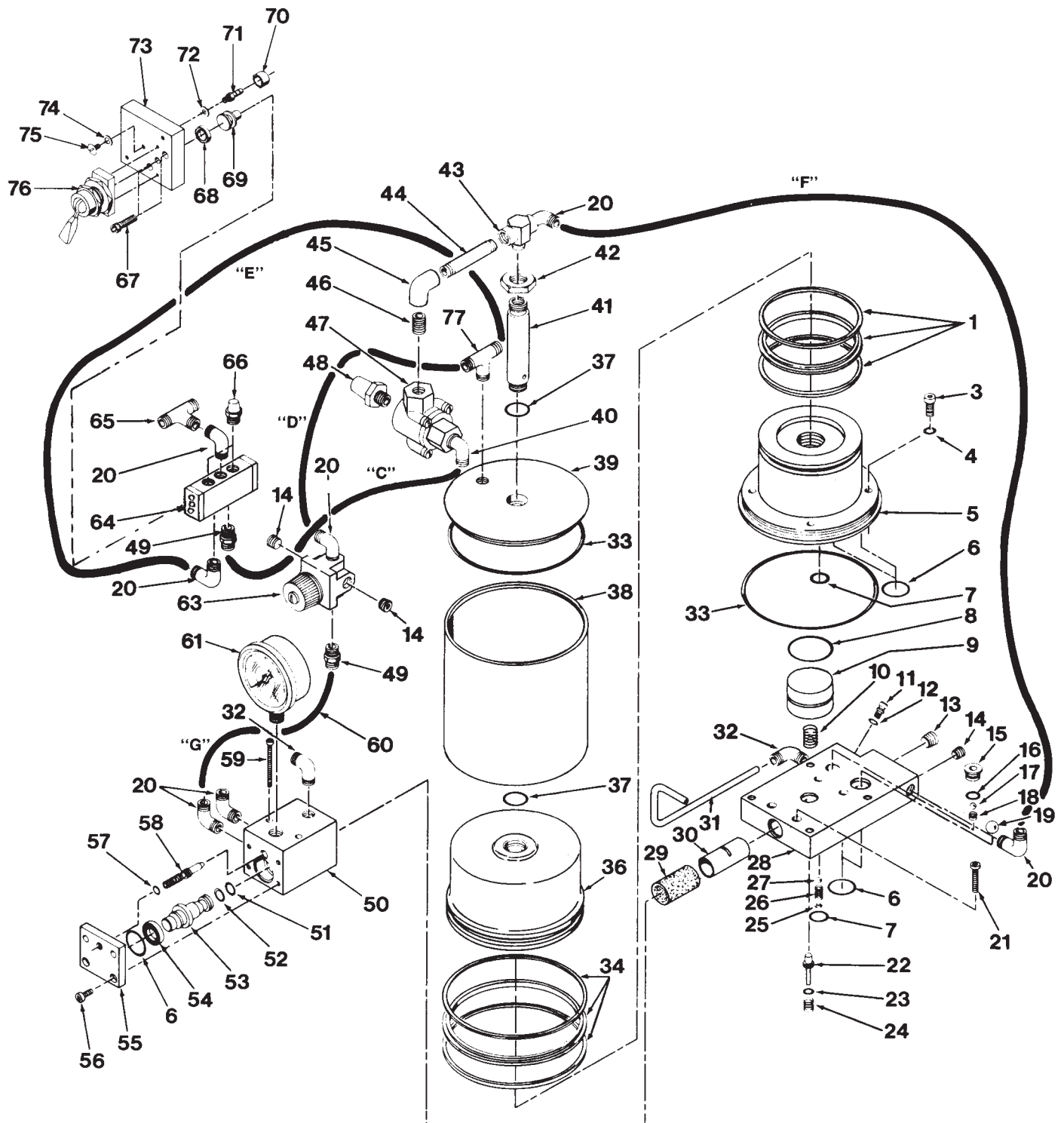
Parts List, Form No. 100433, Back sheet 2 of 3

Item No.	Part No.	No. Req'd	Description
1	51480	1	Rear Head
2	*17429	1	Backup Ring (2-15/16" X 2-3/4" X .045)
3	37434	1	Air Cylinder (Locate groove toward top near cover plate)
4	*28183	1	Piston Poppet
5	11434	3	Soc. Hd. Cap Screw (#10-24 X 1/2 Lg.; Torque to 50/55 in. lbs.)
6	10241	3	Lockwasher (For #10 bolt)
7	33822	1	Piston End Plate
8	*28239	1	Gasket
9	33845	1	Exhaust Valve Stem
10	*211052	1	O-ring (.900 x .706 x .097)
11	*12692	1	Compression Spring (3/16 O.D. X 1-1/2" Lg.)
12	33824	1	Piston Body
13	*14265	2	Piston Ring
14	*251835	2	O-ring (2-1/2" X 2-5/16" X 3/32)
16	*33853	1	Reservoir Gasket
17	41823WH2	1	Cover Plate
18	*251214	2	O-ring (1.002 x .720 x .141)
19	*251215	1	O-ring (1.494 x 1.212 x .141)
20	14624	1	Compression Spring (1/4 O.D. X 3/4 Lg.)
21	25685	1	Adapter, Spring & Ball
22	*10375	1	Steel Ball (1/4 Dia.)
23	*13943	1	O-ring (1/2 X 3/8 X 1/16)
24	34377	1	Poppet Retainer
25	*12522	2	O-ring (3/8 X 1/4 X 1/16)
26	34378	1	Check Valve Body
27	10445	1	Compression Spring (5/32 O.D. X 3/4 Lg.)

Item No.	Part No.	No. Req'd	Description
28	*10423	2	Steel Ball (9/32 Dia.)
29	15426	1	Pipe Nipple
30	15417	1	Suction Line Strainer
31	*34283	1	Gasket
32	10427	1	Plug
33	10002	1	Soc. Hd. Cap Screw (1/4-20 X 3/8 Lg.)
34	*10442	1	Copper Washer
35	17428	4	Soc. Hd. Cap Screw (1/4-20 X 4" Lg.; Torque to 90/100 in. lbs. oiled)
36	210923	4	Washer
37	*10261	1	Copper Washer
38	36822	1	Filter Adapter (Torque to 35/40 ft. lbs. oiled)
39	27680	1	Filter
40	41633	1	Reservoir
41	50494	1	Pump Body
42	*10263	1	Copper Washer
43	33959	1	Cylinder (Torque to 90/100 ft. lbs. oiled)
44	*253095	1	U-cup
45	202624	1	Retainer
46	*11034	1	Retainer Ring
47	*28979	1	Gasket
48	*13938	1	Compression Spring (1-3/8" O.D. X 5" Lg.)
49	28395	1	Spring Guide
50	28400	1	Piston
51	*205674	1	Screw (Torque to 25/35 in lbs.)
52	*205679	1	Compression Spring (1/2 O.D. X 15/16 Lg.)

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300448.

CONTROL AND BOOSTER ASSEMBLY



Parts List, Form No. 100433, Back sheet 3 of 3

Item No.	Part No.	No. Req'd	Description
1	*15381	1	Backup Rings with Tee Seal
3	10006	4	Soc. Hd. Cap Screw (1/4-20 X 5/8 Lg.; Torque to 70/80 in. lbs.)
4	*10442	4	Copper Washer
5	50698	1	Piston Housing
6	*10304	5	O-ring (1" X 7/8 X 1/16)
7	*11284	2	O-ring (11/16 X 9/16 X 1/16)
8	*14875	1	O-ring (1-5/8" X 1-1/2" X 1/16)
9	200343	1	Return Piston
10	*14960	1	Compression Spring (1/2 O.D. X 1" Lg.)
11	24132	1	Filler Cap
12	*10300	1	O-ring (5/8 X 15/32 X 1/16)
13	10479	1	Plug (1/4 NPTF)
14	10427	3	Plug (1/8 NPTF)
15	200338	1	Flange Seat
16	*13943	1	O-ring, Disogrin (1/2 X 3/8 X 1/16)
17	*10377	1	Steel Ball (5/16 Dia.)
18	*14070	1	Compression Spring (1/4 O.D. X 3/8 Lg.)
19	*15005	1	Steel Ball (9/16 Dia.)
20	15045	7	Elbow (90°)
21	11151	4	Soc. Hd. Cap Screw (#10-24 X 1-1/4" Lg.; Torque to 45/55 in. lbs.)
22	29365	1	Release Valve Button
23	*10266	1	O-ring (3/8 x 1/4 X 1/16)
24	*13944	1	Compression Spring (3/8 O.D. X 1/2 Lg.)
25	12041	1	Retaining Ring
26	*15691	1	Compression Spring (1/4 O.D. X 5/8 Lg.)
27	*10375	1	Steel Ball (1/4 Dia.)
28	60229	1	Valve Body
29	*29992	1	Foam Tube
30	200389	1	Muffler
31	200404	1	Oil Line
32	11278	2	Fitting (High Pressure)
33	*15379	2	O-ring (4-15/16" X 4-3/4" X 3/32)
34	*15380	1	Backup Rings with Tee Seal
36	35227	1	Piston
37	*10303	2	O-ring (7/8 X 3/4 X 1/16)
38	35225	1	Cylinder Tube
39	35229	1	Cover

Item No.	Part No.	No. Req'd	Description
40	15457	1	Elbow (90°)
41	200341	1	Tube Stud
42	10394	1	Nut (5/8 - 18)
43	14538	1	Tee
44	15456	1	Pipe Nipple
45	15455	1	Elbow (90°)
46	15024	1	Close Nipple
47	15007	1	Exhaust Valve
48	15459	1	Muffler
49	15042	2	Fitting
50	50699	1	Sequence Valve Body
51	*10268	1	O-ring (1/2 X 3/8 X 1/16)
52	*15375	1	Teflon Glyd Ring
53	35230	1	Sequence Valve Poppet
54	*15374	1	Block "V" Packing
55	200340	1	End Cap
56	11434	2	Soc. Hd. Cap Screw (#10-24 X 1/2 Lg.; Torque to 45/55 in. lbs.)
57	*15023	1	O-ring, Disogrin (5/16 X 3/16 X 1/16)
58	203135	1	Stem
59	14424	2	Soc. Hd. Cap Screw (#10-24 X 2" Lg.; Torque to 45/55 in. lbs.)
60	14726	A.R.†	Nylon Tubing (1/4 O.D. X .035 wall)
61	17946	1	Gauge (0-5,000 PSI)
63	15008	1	Air Regulator
64	15376	1	4-Way Air Valve (Includes Item 76)
65	15684	2	Brass Tee (1/4 Tube)
66	15458	2	Muffler
67	17094	2	Soc. Hd. Cap Screw (#8-32 X 5/8 Lg.)
68	*16949	1	U-cup Packing (1/2 X 5/16 X 3/32)
69	203128	1	Piston Plunger
70	17084	1	Hose Clamp
71	17083	1	Hose Fitting
72	*17294	1	Gasket
73	37186	1	Valve Subplate
74	*14319	1	Soft Copper Washer (.190/.195 X 5/16 X 1/32)
75	12909	1	Rnd. Hd. Machine Screw (#10-32 X 1/4 Lg.)
76	19764	1	Actuator Assy Only
77	15378	1	Tee

†ORDER LENGTH REQUIRED (See Back Side of Page 1 of 3)

Part numbers marked with an asterisk (*) are included in Repair Kit No. 300448.

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.