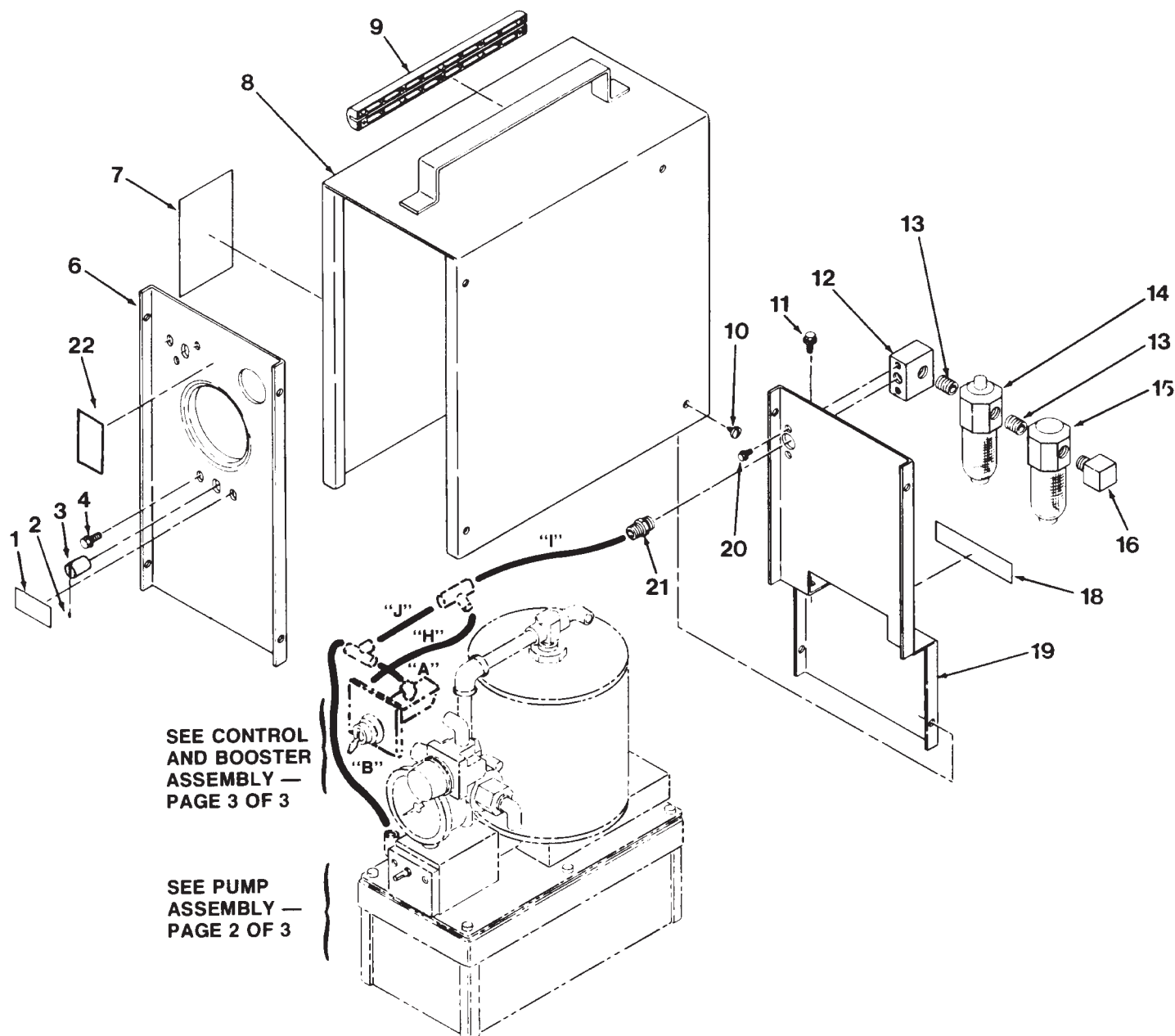


MODEL D
AIR/HYDRAULIC TWO-STAGE BOOSTER-PAC®

GENERAL ASSEMBLY



Parts List, Form No. 100614, Back sheet 1 of 3

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 UNC X 3/4 Lg.)
6	42626PU2	1	Front Panel
7	211638	2	Decal (Trade Name)
8	50700WH2	1	Top Cover
9	41756	2	Handle Grip
10	14394	8	Sheet Metal Screw (#10-16 X 3/8 Lg.)
11	211060	10	Screw (#9-15 X 1" Lg.; Torque to 25/30 in. lbs.)
12	200342	1	Intake Adapter
13	15024	2	Close Nipple

Item No.	Part No.	No. Req'd	Description
14	15009	1	Air Lubricator (Replacement bowl only - #206264 for Wilkerson model, #251076 for Norgren model)
15	15010	1	Air Filter (Replacement bowl only - #206265 for Wilkerson model, #251076 for Norgren model)
16	15373	1	Elbow (90°)
18	*15408	1	Decal (Air-Oil Vent)
19	50701PU2	1	Back Panel
20	15415	2	Hex Hd. Machine Screw (#10-24 UNC X 3/8 Lg.)
21	250464	1	Straight Fitting
22	*203134	1	Decal (Clamp/Release)

PARTS INCLUDED BUT NOT SHOWN
350492 1 Important Decal

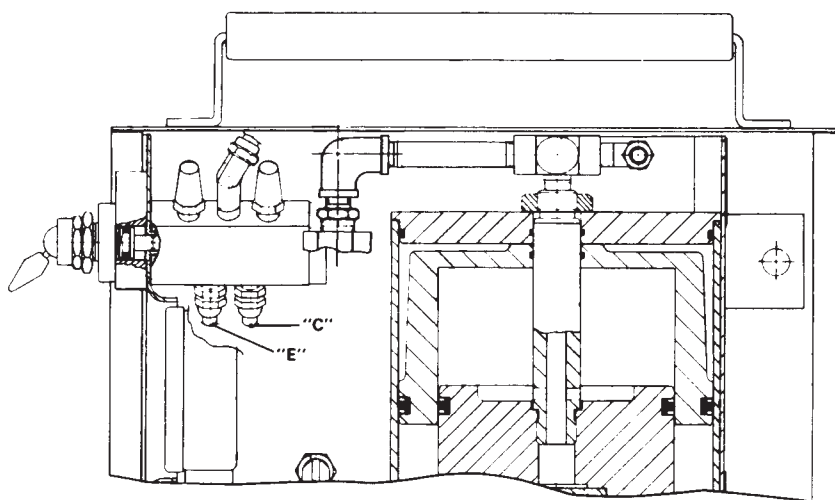
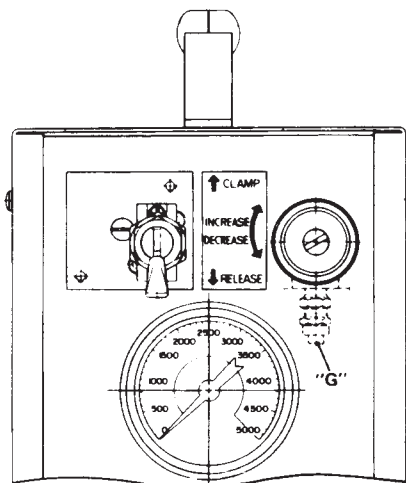
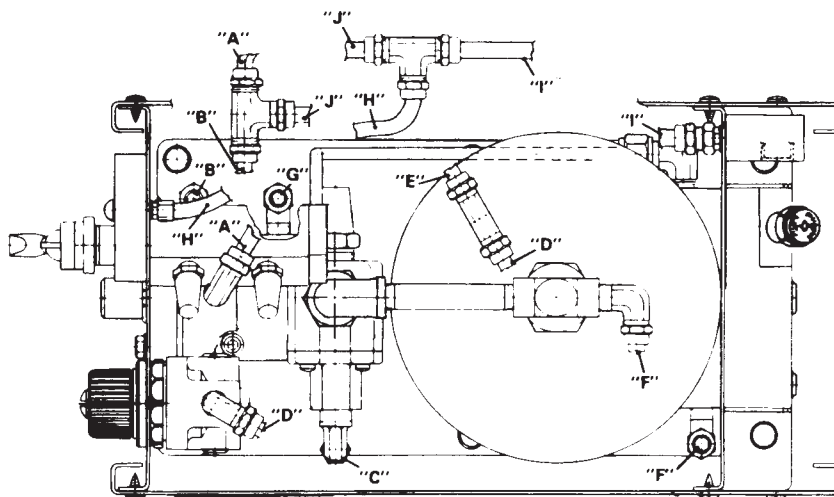
Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300448.

SERVICE INSTRUCTIONS FOR TUBE HOOK-UP

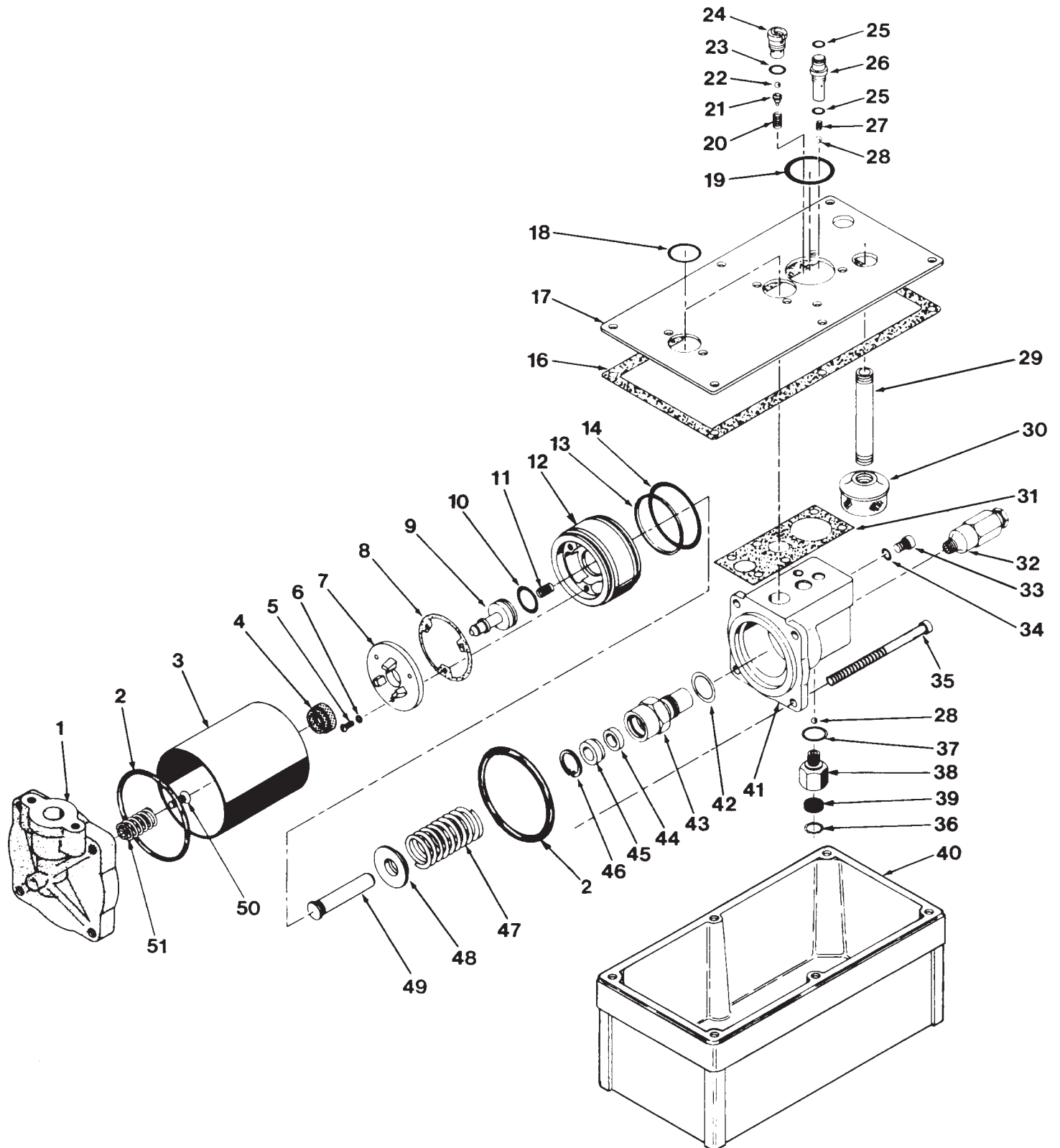
The assembly drawings on this page provide a cut-away view of all tube hook-ups for repair and reassembly. A hook-up is indicated between a corresponding set of parts by their matching letters. For example, "A" connects with "A", "B" connects with "B", and so forth. The appropriate length of tubing used 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. 100614, Back sheet 2 of 3

Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	51480	1	Rear Head	28	*10423	2	Steel Ball (9/32 Dia.)
2	*17429	2	Backup Ring (2-15/16" X 2-3/4" X .045)	29	15426	1	Pipe Nipple
3	37434	1	Air Cylinder (Locate groove toward top near cover plate)	30	15417	1	Suction Line Strainer
4	*28183	1	Piston Poppet	31	*34283	1	Gasket
5	211054	3	Cap Screw (#10-24 X 1/2 Lg.; Torque to 50/55 in. lbs.)	32	21278-50	1	Relief Valve Assembly (Set at 5,100/5,700 PSI)
6	10241	3	Lockwasher (For #10 bolt)	33	10002	1	Cap Screw (1/4-20 UNC X 3/8 Lg.)
7	33822	1	Piston End Plate	34	*10442	1	Copper Washer (3/8 X 1/4 X 1/32)
8	*28239	1	Gasket	35	17428	4	Cap Screw (1/4-20 UNC X 3-1/2" Lg.; Torque to 85/95 in. lbs. oiled)
9	305475	1	Exhaust Valve Stem	36	214586	1	Retaining Ring (Internal)
10	*211052	1	O-ring (.900 X .706 X .097)	37	*10261	1	Copper Washer (3/4 X 19/32 X 1/32)
11	*12692	1	Compression Spring (3/16 O.D. X 1-11/16" Lg.)	38	48010	1	Filter Adapter (Torque to 40/50 ft. lbs. oiled)
12	52390	1	Piston Body	39	214578	1	Filter
13	*14265	2	Piston Ring	40	61243	1	Reservoir
14	*251835	2	O-ring (2-1/2" X 2-5/16" X 3/32)	41	50494	1	Pump Body
16	*33853	1	Reservoir Gasket	42	*10263	1	Copper Washer (1" X .765 X 1/32)
17	41823WH2	1	Cover Plate	43	33959	1	Cylinder (Torque to 90/100 ft. lbs. oiled)
18	*251214	2	O-ring (1.002 X .720 X .141)	44	*253095	1	U-cup
19	*251215	1	O-ring (1.494 X 1.212 X .141)	45	202624	1	Retainer
20	14624	1	Compression Spring (1/4 O.D. X 3/4 Lg.)	46	*11034	1	Retaining Ring (Install with sharp edge toward retained part)
21	25685	1	Adapter	47	*13938	1	Compression Spring (1.452 O.D. X 4-7/16" Lg.)
22	*10375	1	Steel Ball (1/4 Dia.)	48	211082	1	Spring Guide
23	*13943	1	O-ring (1/2 X 3/4 X 1/16)	49	28400	1	Piston
24	34377	1	Poppet Retainer	50	*205674	1	Screw (#8-32 UNC; Torque to 12/18 in. lbs.)
25	*12522	2	O-ring (3/8 X 1/4 X 1/16)	51	*205679	1	Compression Spring (.485 O.D. X .915 Lg.)
26	34378	1	Check Valve Body				
27	10445	1	Compression Spring (5/32 O.D. X 3/4 Lg.)				

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

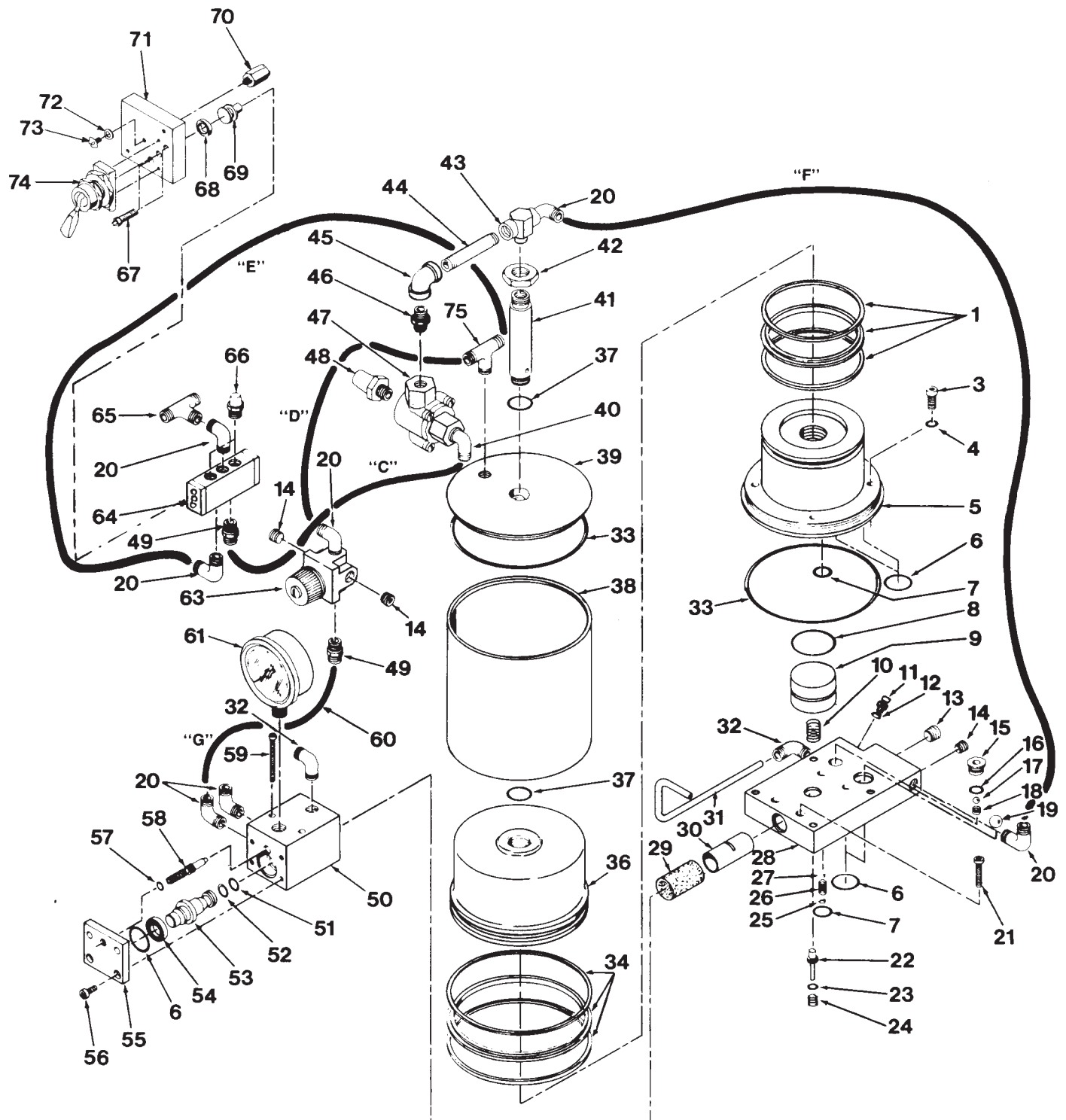
Note: Shaded areas reflect last revision(s) made to this form.

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.

CONTROL AND BOOSTER ASSEMBLY



Parts List, Form No. 100614, Back sheet 3 of 3

Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	*15381	1	Backup Rings w/ Tee Seal	38	35225	1	Cylinder Tube
3	10006	4	Cap Screw (1/4-20 UNC X 5/8 Lg.; Torque to 70/80 in. lbs.)	39	35229	1	Cover
4	*10442	4	Copper Washer (3/8 X 1/4 X 1/32)	40	15457	1	Elbow
5	50698	1	Piston Housing	41	200341	1	Tube Stud
6	*10304	5	O-ring (1" X 7/8 X 1/16)	42	10394	1	Nut
7	*11284	2	O-ring (11/16 X 9/16 X 1/16)	43	14538	1	Tee
8	*14875	1	O-ring (1-5/8" X 1-1/2" X 1/16)	44	15456	1	Pipe Nipple
9	200343	1	Return Piston	45	12890	1	Elbow
10	14960	1	Compression Spring (1/2 OD. X 1" Lg.)	46	16449	1	Close Nipple
11	24132	1	Filler Cap	47	15007	1	Exhaust Valve
12	*10300	1	O-ring (5/8 X 15/32 X 5/64)	48	15459	1	Muffler
13	10479	1	Plug (1/4 NPTF)	49	250464	2	Fitting
14	10427	3	Plug (1/8 NPTF)	50	50699	1	Sequence Valve Body
15	200338	1	Flange Seat	51	*10268	1	O-ring (1/2 X 3/8 X 1/16)
16	*13943	1	O-ring (3/4 X 1/2 X 1/16)	52	*208672	1	Teflon Glyd Ring
17	*10377	1	Steel Ball (5/16 Dia.)	53	35230	1	Sequence Valve Poppet
18	14070	1	Compression Spring (1/4 O.D. X 3/8 Lg.)	54	*15374	1	Block "V" Packing
19	*15005	1	Steel Ball (9/16 Dia.)	55	200340	1	End Cap
20	250463	7	Elbow	56	211054	2	Cap Screw (#10-24 X 1/2 Lg.; Torque to 45/55 in. lbs.)
21	11151	4	Cap Screw (10-24 UNC X 1-1/4" Lg.; Torque to 45/55 in. lbs.)	57	*15023	1	O-ring (5/16 X 3/16 X 1/16)
22	29365	1	Release Valve Button	58	203135	1	Stem
23	*10266	1	O-ring (3/8 X 1/4 X 1/16)	59	14423	2	Cap Screw (#10-24 X 2" Lg.; Torque to 45/55 in. lbs.)
24	13944	1	Compression Spring (3/8 O.D. X 1/2 Lg.)	60	14726	AR	Nylon Tubing
25	12041	1	Retaining Ring	61	17946	1	Gauge (0-5,000 PSI)
26	*15691	1	Compression Spring (1/4 O.D. X 5/8 Lg.)	63	15008	1	Air Regulator
27	*10375	1	Steel Ball (1/4 Dia.)	64	15376	1	4-Way Air Valve (Includes Item 76)
28	60229	1	Valve Body	65	15684	2	Brass Tee
29	*29992	1	Foam Tube	66	15458	2	Muffler
30	200389	1	Muffler	67	17094	2	Cap Screw (#8-32 UNC X 5/8 Lg.)
31	200404	1	Oil Line	68	*16949	1	U-cup Packing
32	11278	2	Fitting (High Pressure)	69	203128	1	Piston Plunger
33	*15379	2	O-ring (4-15/16" X 4-3/4" X 3/32)	70	215180	1	Connector (Male)
34	*15380	1	Backup Rings w/ Tee Seal	71	37186	1	Valve Subplate
36	35227	1	Piston	72	*14319	1	Soft Copper Washer (For 3/16 bolt)
37	*10303	2	O-ring (7/8 X 3/4 X 1/16)	73	12909	1	Rnd. Hd. Machine Screw
				74	19764	1	Actuator Ass'y Only
				75	250741	1	Tee

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

AR= As Required (Order length of tubing as needed according to the chart on back of page 1 of 3).