POWER TEAM
HYDRAULIC TECHNOLOGIES

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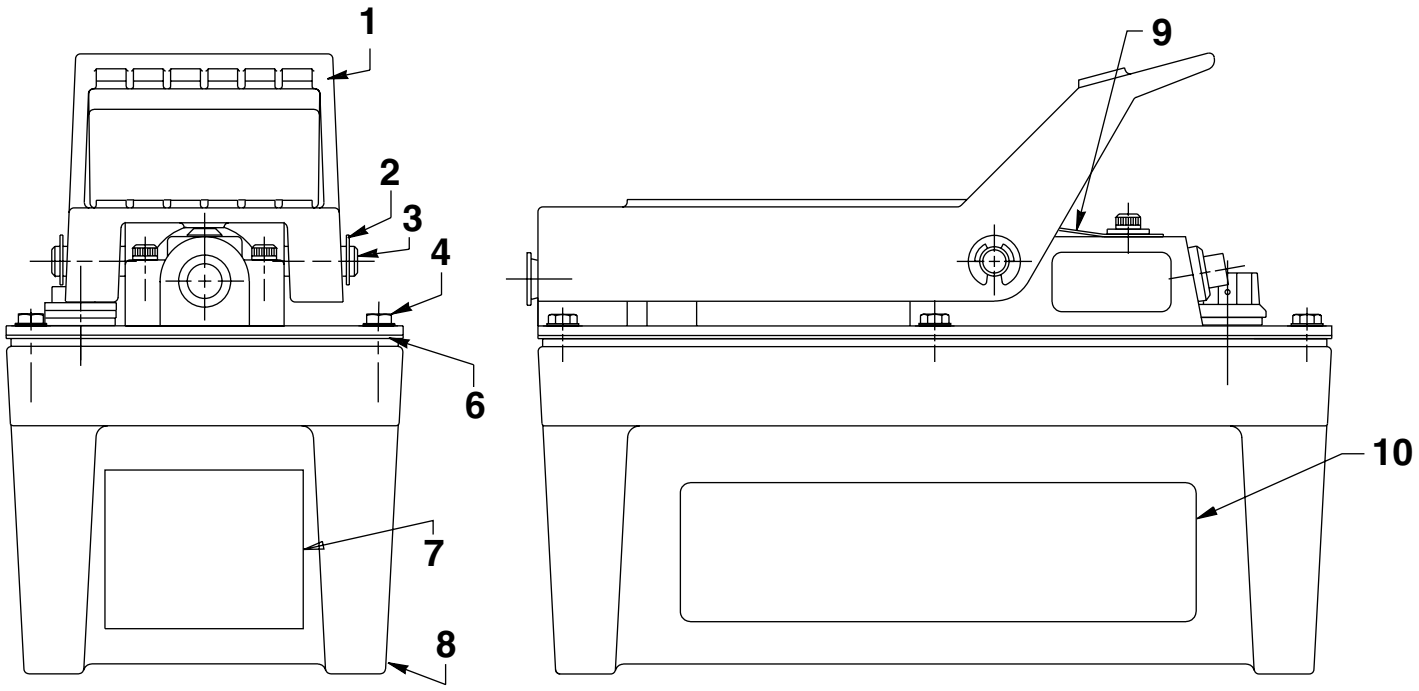
Form No. 101454

Parts List for:

58577
58584

MODEL F
AIR HYDRAULIC PUMP
Max. Capacity: 10,000 PSI



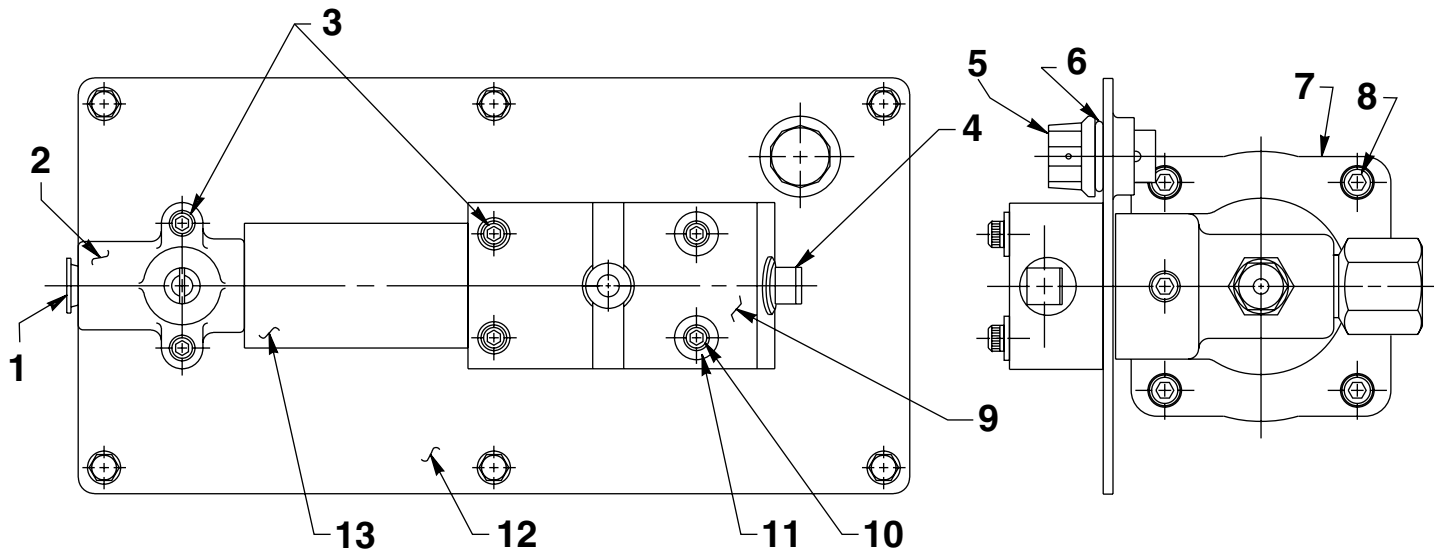
Item No.	Part No.	No. Req'd	Description
1	**41322**	1	Foot Pedal
2	***11032**	2	Retaining Ring
3	**28386**	1	Pin
4	**211060**	10	Screw (#9-15 X 1" Lg.; Torque to 25/30 in. lbs. - For 58584)
	215952	6	Screw (#10-24 x 5/8 Lg.; Torque to 25/35 in. lbs. - For 58577)

Item No.	Part No.	No. Req'd	Description
6	***33853**	1	Reservoir Gasket
7	***305494**	1	Decal
8	**41300WH2**	1	Reservoir (For 58577)
	61243	1	Reservoir (For 58584)
9	**302466**	1	Spring Clip
10	**350643**	2	Trade Name Decal

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300836.

Litho in USA

TOP AND END VIEWS



Item No.	Part No.	No. Req'd	Description
1	**14794**	1	Plastic Cap
2	**37199**	1	Intake Air Valve Body
3	**11151**	4	Cap Screw (10-24 UNC X 1-1/4" Lg.; Torque to 50/60 in. lbs.)
4	**11127**	1	Pressure Plug
5	**251689**	1	Filler/Breather Cap
6	***10273**	1	O-ring (7/8 x 11/16 x 3/32)
7	**64767**	1	Pump Body
8	**17428**	4	Soc. Hd. Cap Screw (1/4-20 UNC X 3-1/2" Lg.; Torque to 85/95 in. lbs. oiled. Note: Cross torque in increments of 30 in. lbs.)
9	**58579**	1	Release Valve
10	**11435**	2	Soc. Hd. Cap Screw (10-24 UNC x 1-3/4" Lg.; Torque to 50/60 in. lbs.)
11	**11089**	2	Washer (No. 10)
12	**420965BK2**	1	Cover Plate
13	***29992**	1	Foam Tube

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300836.

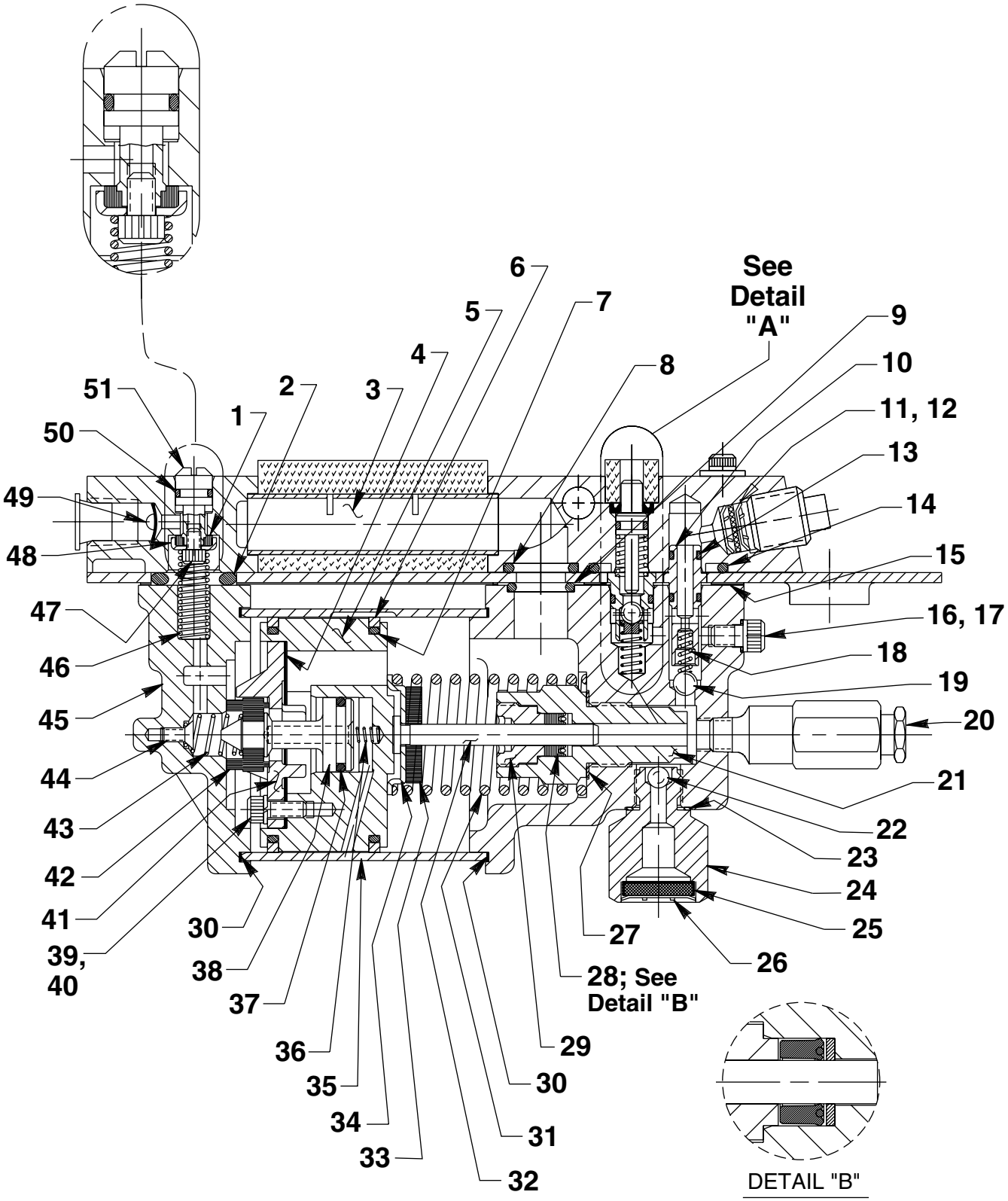
Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

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

Additional questions can be directed to our Technical Services Department.

BASIC PUMP ASSEMBLY

To Parts List



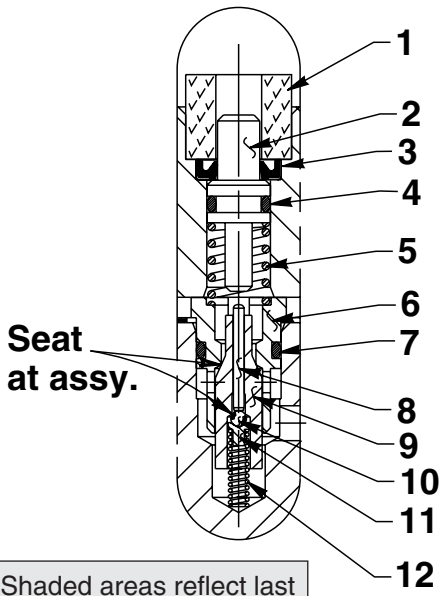
Note: Added Detail "B" at last revision(s) made to this form.

Parts List, Form No. 101454, Back sheet 2 of 3

Item No.	Part No.	No. Req'd	Description
1	*28182	1	Air Valve Poppet
2	*251717	1	O-ring (1" x 5/8 x 3/16)
3	28387	1	Muffler
4	*28239	1	Gasket
5	52390	1	Piston Body
6	*14265	2	Piston Ring
7	*251835	2	O-ring (2-1/2" x 2-5/16" x 3/32)
8	*10276	2	O-ring (3/4 x 1/2 x 1/8)
9	*10272	1	O-ring (3/4 X 9/16 X 3/32)
10	34378	1	Check Valve Body
11	*250638	1	Filter Disc
12	*11088	2	Retaining Ring
13	*12522	2	O-ring (3/8 X 1/4 X 1/16; Urethane)
14	*11841	1	O-ring (1.494 x 1.212 x .141)
15	*351021	1	Gasket
16	*10442	1	Washer (3/8 X 1/4 X 1/32)
17	10002	1	Cap Screw (1/4-20 UNC X 3/8 Lg.; Torque to 90/110 in. lbs.)
18	*10445	1	Compression Spring (5/32 O.D. X 3/4 Lg.)
19	*10423	1	Steel Ball (9/32 Dia.)
20	21278	1	Relief Valve Assembly (Set at 10,100 /10,700 PSI; Apply loctite 592 [Power Team #905516] or equiv. & torque to 150/170 in. lbs.)
21	45278	1	Piston Cylinder (Torque to 90/100 ft. lbs. oiled.)
22	*10375	1	Steel Ball (1/4 Dia.)
23	*10261	1	Copper Washer (3/4 X 19/32 X 1/32)
24	308893	1	Filter Adapter (Torque to 40/50 ft. lbs. oiled.)
25	214578	1	Filter
26	214586	1	Retaining Ring (Internal)
27	*10263	1	Copper Washer (1" X .765 X 1/32)
28	*13934	1	U-cup & Backup
29	*304295	1	Retainer (See "INSTRUCTIONS FOR RETAINER REPLACEMENT" on sheet 3 of 3.)
30	*17429	2	Backup Washer (2-15/16" X 2-3/4" X .045)
31	*13938	1	Compression Spring (1.452 O.D. X 4-7/16" Lg.)
32	28226	1	Piston
33	203143	1	Bumper
34	210994	1	Spring Guide
35	37434	1	Air Cylinder (Note: Locate groove on upper half (top) of pump with chamfered tube end towards rear head as shown.)
36	*12692	1	Compression Spring (3/16 O.D. X 1-11/16" Lg.)
37	*211052	1	O-ring (.900 X .706 X .097)
38	305475	1	Exhaust Valve Stem
39	*10241	3	Lockwasher (For #10 bolt)
40	211054	3	Screw (#10-24 X 1/2 Lg.; Torque to 50/55 in. lbs.)
41	33822	1	Piston End Plate
42	*28183	1	Piston Poppet
43	*205679	1	Compression Spring (.485 O.D. X .915 Lg.)
44	*205674	1	Screw (8-32 UNC X 3/8 Lg.; Torque to 12/18 in. lbs.)
45	51480	1	Rear Head
46	12691	1	Compression Spring (3/8 O.D. X 1-1/2" Lg.)
47	13936	1	Soc. Hd. Cap Screw (8-32 UNC X 1/4 Lg.)
48	28198	1	Seal Guide
49	*216296	1	Filter Disc
50	*10267	1	O-ring (7/16 X 5/16 X 1/16)
51	33841	1	Actuator Button

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300836.

To Drawing



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

DETAIL "A"

Item No.	Part No.	No. Req'd	Description
1	†*206504	1	Foam Tube
2	28227	1	Release Valve Button
3	15620	1	Wiper
4	*10266	1	O-ring (3/8 X 1/4 X 1/16; Nitrile)
5	*251297	1	Compression Spring (3/8 O.D. X 1/2 Lg.)
6	†34377	1	Poppet Retainer
7	†*15279	1	O-ring (1/2 X 3/8 X 1/16)
8	†13937	1	Dowel Pin (Note: Place tapered end toward ball.)
9	†29037	1	Release Valve Poppet
10	†*14443	1	Steel Ball (3/32 Dia.)
11	†209736	1	Ball Retainer
12	†*13959	1	Compression Spring (1/8 O.D. x 1/2 Lg.)

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300836.
Part numbers marked with a dagger (†) are contained in Release Valve Repair Kit No. 200383.

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.