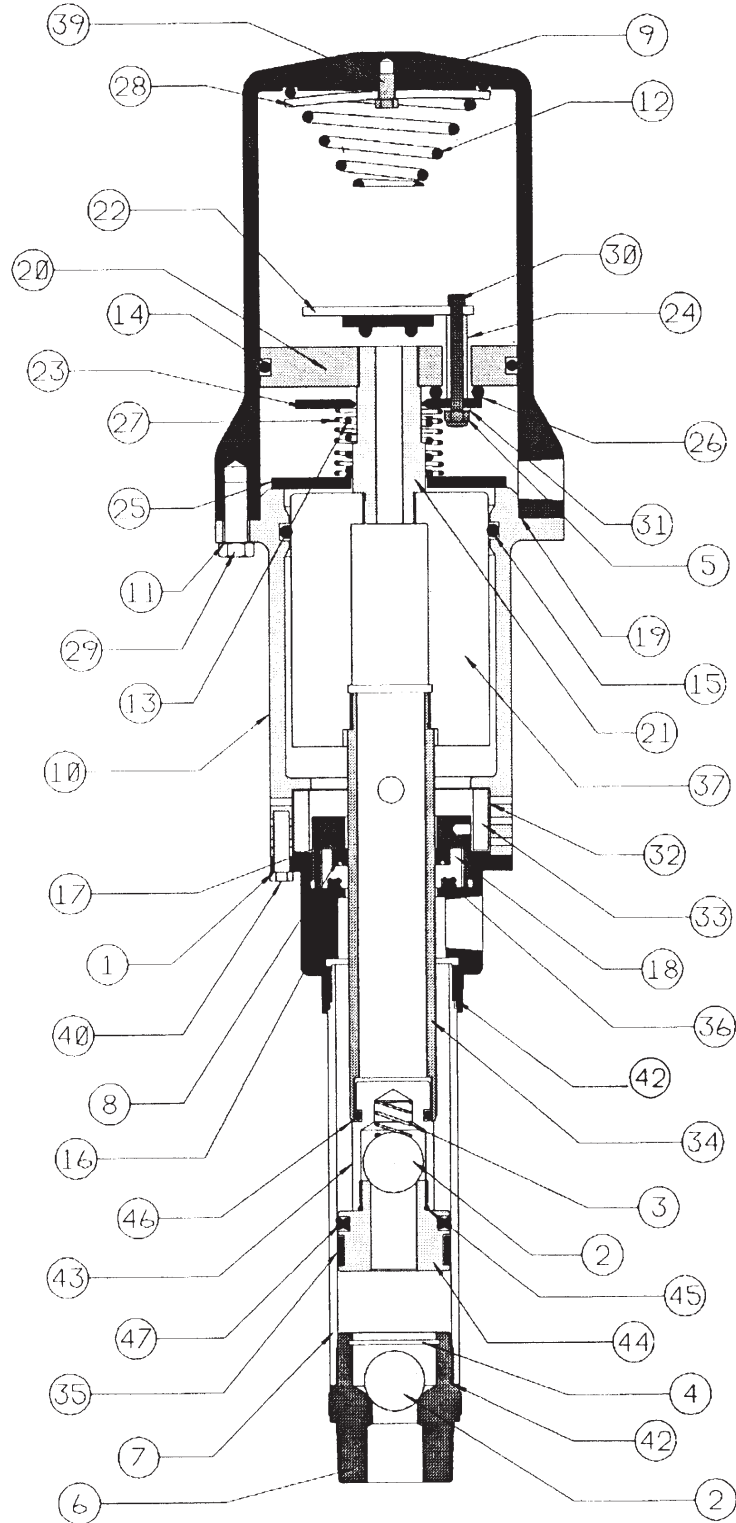


# Diagram



### Revision Log:

SERVICE BULLETIN 826281  
Rev. G 10/03

Rev. G - Added O-Ring  
(item 47).

# Parts List

ITEM	PART #	DESCRIPTION	QTY	IN KIT
1	805784	Lock Washer	4	
2	806962	1" Steel Ball	2	
3	807511	Fluid Piston Spring	1	**
4	827427	Ball Retainer (prior to 6/03)	1	
	829769	Ball Retainer (after 6/03)	1	
5	814247	Air Valve Nut	3	
6	826060	Foot Valve	1	
7	828361	Pump Tube	1	
8	826097	Rod Seal, Buna-N	1	**
9	826201	Air Motor Cap	1	
10	826202	Pump Body	1	
11	826203	5/16 Star Washer	4	
12	826204	Upper Spring	1	*
13	826205	Lower Spring	1	*
14	826206	O-Ring	1	*
15	826207	O-Ring	1	*
16	828367	Adapter	1	
17	826209	Floating Seal Nut	1	
18	827893	Seal Housing	1	**
19	826211	O-Ring	1	*
20	826212	Upper Air Piston	1	
21	826213	Air Piston Adapter	1	
22	826242	Upper Toggle Plate	1	*
23	826215	Lower Toggle Plate	1	
24	826216	Air Motor Spacer	3	*
25	826217	Trip Plate	1	
26	826218	O-Ring	3	*
27	827807	Lower Spring, Outer	1	*
28	826220	Spring Retainer	1	
29	826221	Body Screw	4	
30	826223	Air Valve Screw	3	
31	826224	Washer	3	*
32	826227	Muffler Screen	1	
33	826228	Muffler Screen	1	**
34	826245	Rod Seal, Buna-N	1	
35	826248	Wear Ring	1	**
36	830306	O-Ring	1	**
37	826253	Lower Air Piston	1	
38	831489	Grounding Lug (not shown)	1	
39	826665	Air Motor Screw	1	
40	826666	Adapter Screw	4	
41	826678	O-Ring	1	**
42	826678	O-Ring	1	**
43	827056	Fluid Piston Spring	1	
44	827058	Fluid Piston Nut	1	
45	807060	O-Ring	1	**
46	827062	O-Ring	1	**
47	827064	Quad Ring (prior to 10/03)	1	**
	831638	O-Ring (after 10/03)	1	**

### Quality Checklist

Bill of Material checked for current content.

I \_\_\_\_\_  
certify that this product meets or exceeds Balcrank's  
high quality standards.

# Balcrank

## REPAIR KIT 826280 INSTRUCTION SHEET PUMP DISASSEMBLY

NOTE: Shut off air supply and disconnect air line before beginning any type of disassembly. Depressurize the system by pointing dispensing valve away from self and others, and opening valve into waste container until pressure is released.

- Using a soft jaw vice, clamp the pump horizontally on the lower body (10). Remove four body screws (29) and star washers (11), remove cap (9). Remove three air valve nuts (5), washers (31), and screws (30). Remove air motor top assembly, remove three spacers (24).
- Clamp on air piston adapter (21) flats and unscrew air piston (20). Remove lower toggle plate (23), springs (13 & 27), and trip plate (25).
- Remove foot valve (6) and pump tube (7). Remove fluid piston assembly (43 & 44). Remove adapter (16).
- Slide lower air piston (37) / pump rod assembly (34) out the top of the pump body (10). Take care not to scratch the pump rod. Minor scratches can be polished out with #320 grit, wet or dry paper.

### PUMP REASSEMBLY

NOTE: The air motor is lubricated with a life-tested synthetic grease (Balcrank Part 826733) at the factory. This grease coats all parts and repels air line moisture to prevent rusting. It is imperative that any grease removed during routine maintenance be replaced. Contact your Balcrank service representative, using the above part number, for replacement grease.

- Bolt adapter (16) to lower pump body (10) with four adapter screws (40) and four lock washers (1). Tighten securely. Place large O-ring (15) in groove in pump body (10). **FROM THE TOP ONLY** slide air piston / rod assembly (37 & 34) into lower body (10) and out through adapter (16). Any other assembly procedure will damage the rod seal (8).
- Place lower pump body (10) horizontally in a suitable fixture. While holding flats on air piston adapter (21), thread fluid piston assembly (43 & 44) on to pump rod (34). Tighten securely. Grease fluid piston seal (47) liberally, slide pump tube (7) over fluid piston (43 & 44) and thread into adapter (16) securely. Thread foot valve (6) into tube (7). Tighten securely. Take care that all o-rings are replaced correctly to avoid leaks.
- Place trip plate (25), then lower springs (13 & 27), then lower toggle plate (23) onto air piston adapter (21). Screw upper air piston (20), with o-ring (14) in groove, onto air piston adapter (21). Tighten securely. Place three spacers (24) into upper air piston (20) holes, catching o-rings (26) and centering them over holes on lower toggle plate (23).
- Replace entire upper toggle plate (22) with new one from kit. Place three air valve screws (30) through upper toggle plate (22), spacers (24) and lower toggle plate (23). Place washers (31) and nuts (5) on air valve screws and tighten securely. **Assure that all o-rings have been placed correctly to avoid leaks.**
- Place o-ring (19) on lower pump body (10), around step. Grease air piston o-ring (14) liberally. Carefully slide air motor cap (9) down over air piston (20) taking care not to pinch the o-ring (14). Bolt cap (9) to body with four body screws (29) and four star washers (11). Tighten securely to prevent leaks.

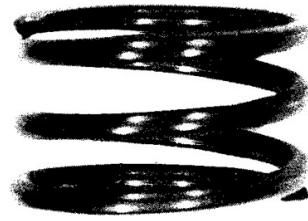
# REPAIR KIT 826280



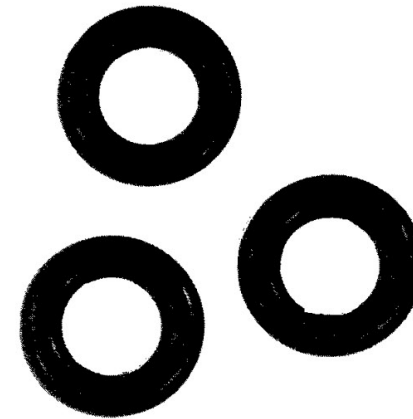
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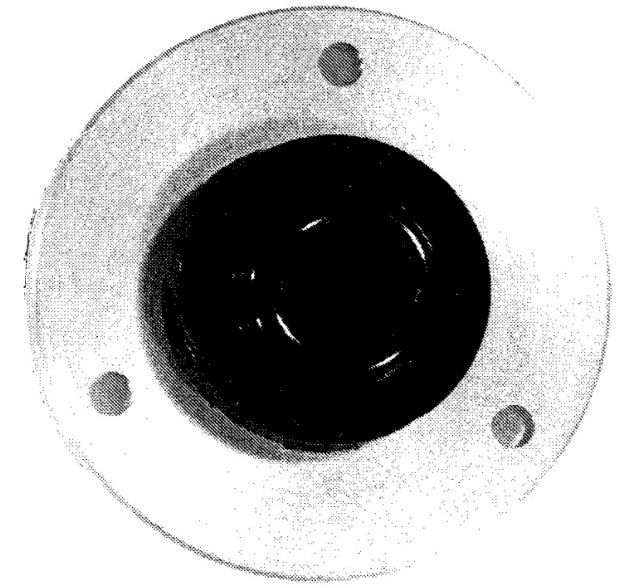
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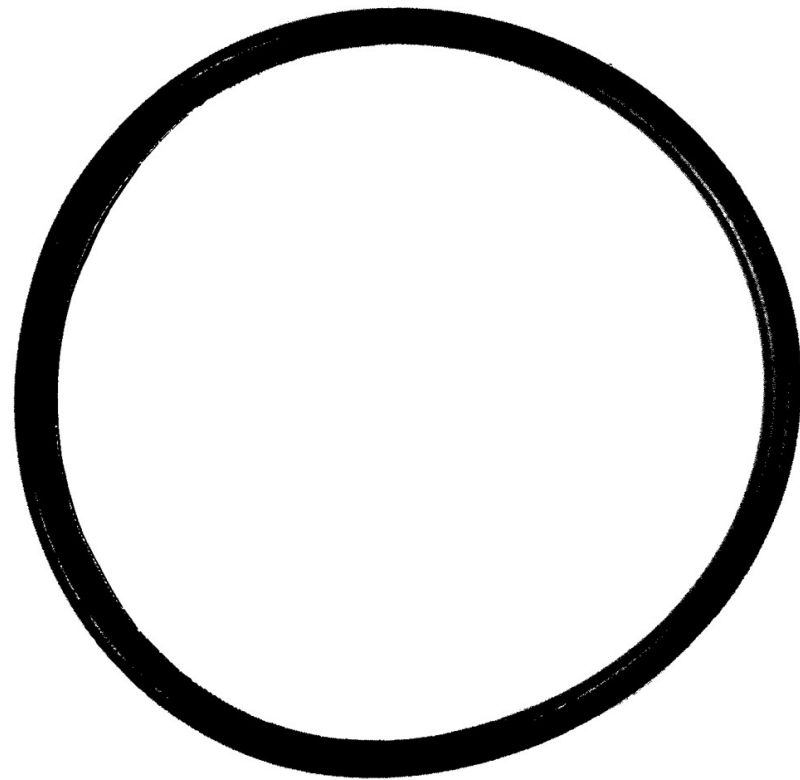
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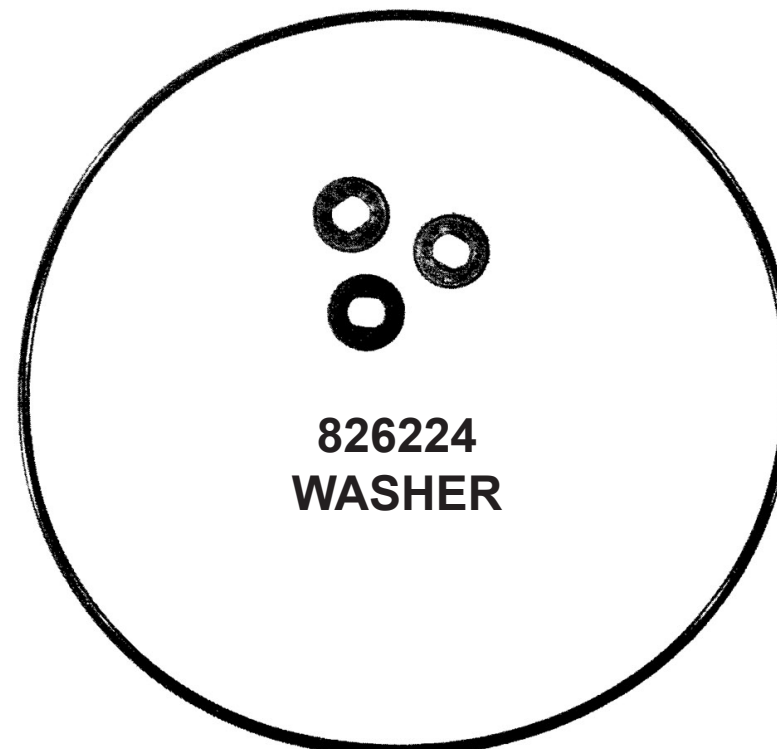
O-RING  
826218



826242  
UPPER TOGGLE  
PLATE

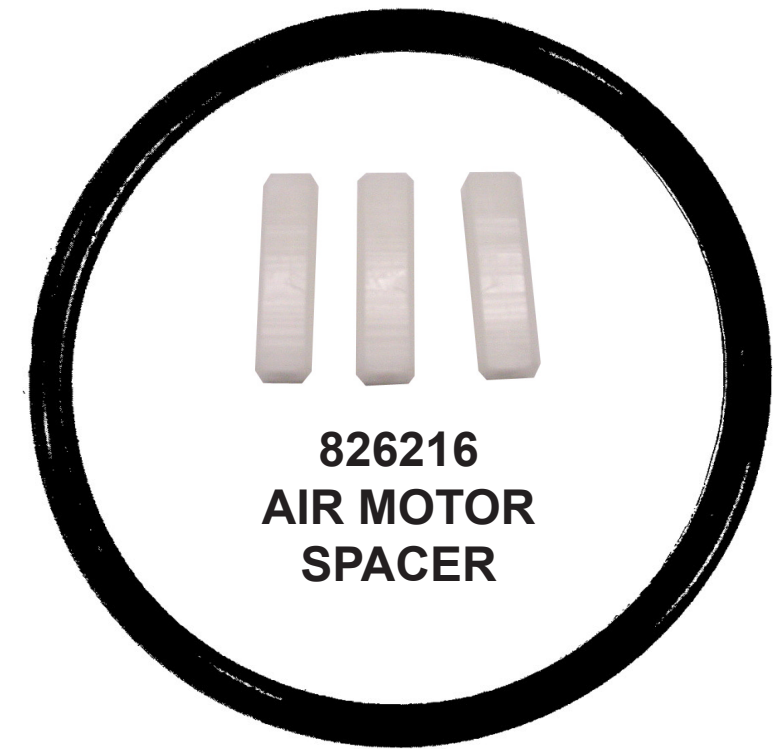


826206  
O-RING



826224  
WASHER

826211  
O-RING



826216  
AIR MOTOR  
SPACER

826207  
O-RING