

L1667

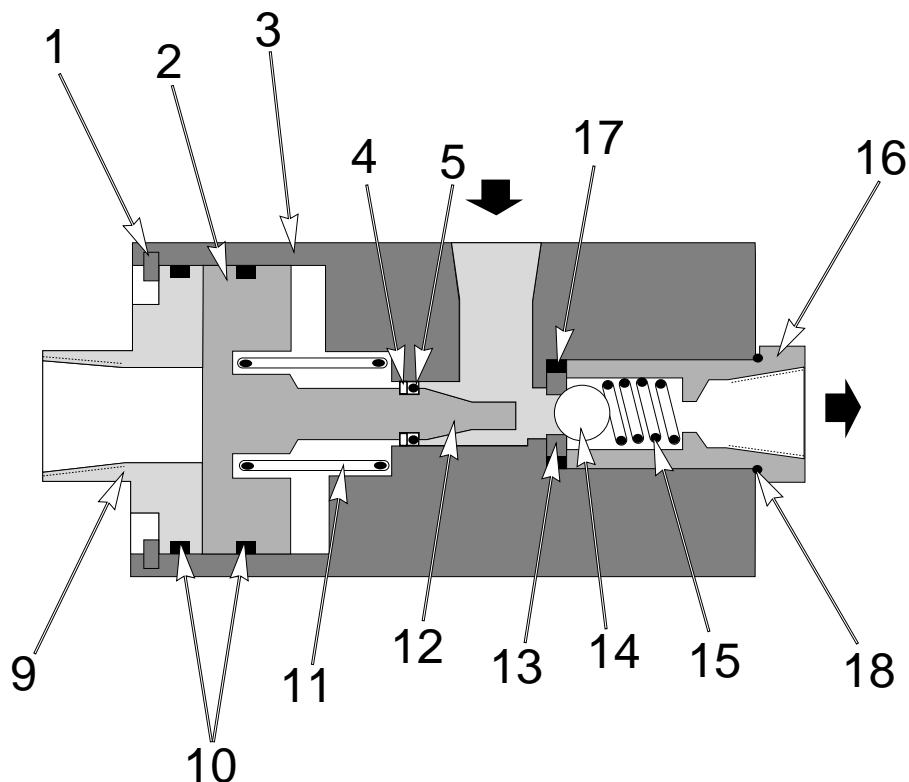
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Rev. O

03/97

PC5220

**INSTALL ALL KIT COMPONENTS TO INSURE OPTIMUM PERFORMANCE OF THE REPAIRED VALVE.**



**REPAIR PARTS LIST FOR FIGURE 1**

Item	Part Number	Quantity	Description	Item	Part Number	Quantity	Description
1	402030	1	Retaining Ring	12	402026	1	Plunger
2	402341	1	Piston	13	★ 402055	1	Seat
3	402023	1	Body	14	B1008016	1	9/32" Ball
4	B1006564	1	Back-Up Washer	15	DA5100210	1	Conical Spring
5	★ B1001503	1	O-Ring	16	402054	1	Bushing
9	402340	1	Retainer	17	★ 300109	1	O-Ring
10	★ B1265503	2	O-Ring	18	★ B1906503	1	O-Ring
11	503625	1	Spring	20	DA5111126	1	Name Plate

★ Items included in and available only as part of Repair Kit HV1000AK.  
 Repair Kit also contains: o-ring 300131, seat 402219, and o-ring B1028503.

# SERVICE INSTRUCTIONS

Work on a clean bench and use lint free wipes.

## ■ Disassembly

1. Drain oil out of the pressure ports. Wipe off excess oil.
2. Remove retaining ring (1) and retainer (9).
3. Remove piston (2) by plugging the hydraulic outlet port and applying 10 psi of air pressure to the hydraulic inlet port. Use caution as the piston is forced out by the air pressure.
4. Remove spring (11).
5. Unscrew bushing (16). The ball (14) and spring (15) will come out with the bushing. Use a pick to remove the seat (13) and o-ring (17). Discard seat and o-ring.
6. Remove remaining o-rings (5, 10, 18) and discard.
7. Clean metal components with solvent and dry thoroughly using shop air.
8. Inspect all parts for wear. Replace as required.

## ■ Assembly

Assemble valve using parts from repair kit. Take care to avoid damaging plunger (12) and inside of body (3).

**NOTE:** If you need to replace the plunger (12), apply Loctite 290 to threads and torque to 28-34 ft-lbs.

1. Lubricate o-rings (5, 10, 17, 18) and install.
2. Coin and install seat (13).
3. Insert ball (14) and spring (15). Secure with bushing (16).
4. Insert spring (11), piston (2) and retainer (9). Secure with retaining ring.

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