

PEDAL ACTUATED Reverse Modulating Brake Valve



Service Instructions

DISASSEMBLY

(Refer to Figure 1)

1. Remove one e-ring (1) from pin (2) and remove pin (2).
2. Separate the valve assembly from base (9) by removing two cap screws (4) and lock washers (3).
3. Remove two studs (5) and separate bracket (10) from base (9).
4. Loosen set screw (6) and remove pin (7) from bracket (10) and clevis (8).
5. Any further disassembly is unnecessary unless there is damage.

ASSEMBLY

(Refer to Figure 1)

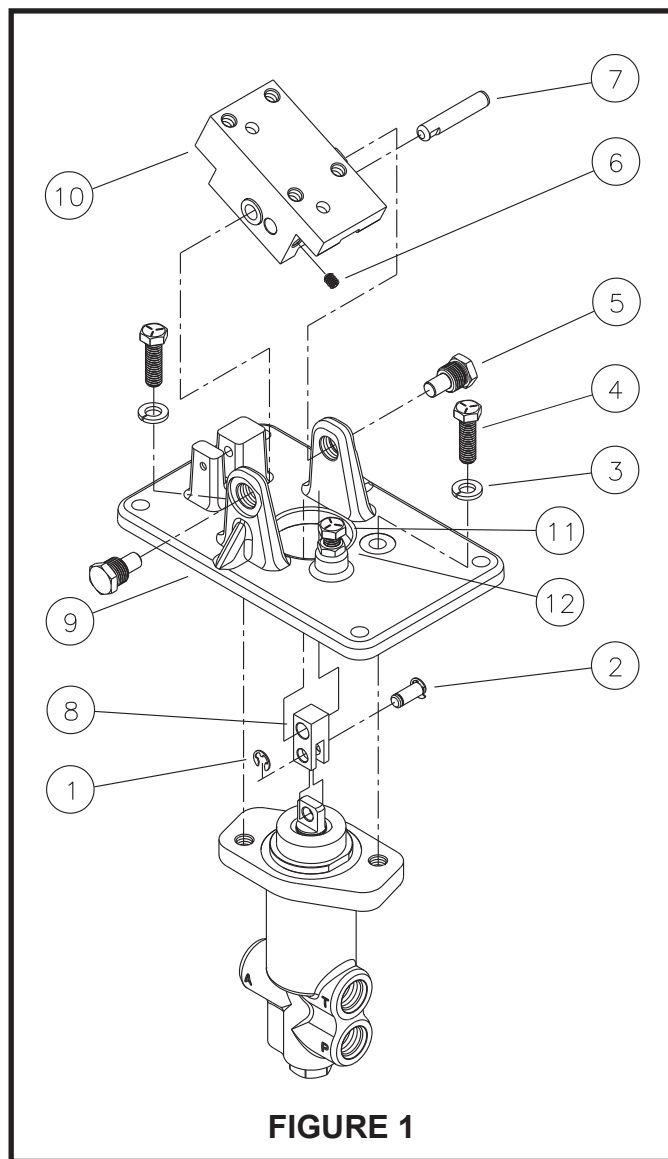
NOTE

Before assembly, clean and lubricate pins (2 & 7) and bearing pins on studs (5) with good quality polymer base moly grease.

1. Thoroughly clean bracket (10), base (9), and all other components and allow to dry before proceeding.
2. Install pin (7) in pedal (10) and clevis (8). Position pin (7) so flat on pin is aligned with set screw (6). Torque set screw (6) 8.5-9.6 N·m (75-85 lb·in).
3. Apply one drop of Loctite 242 to the threads of studs (5). No Loctite allowable on bearing pin of studs (5). Attach bracket (10) to base (9) using studs (5). Torque studs (5) 47.5-61.0 N·m (35-45 lb·ft).
4. Attach clevis (8) to valve push rod using pin (2). Install e-ring (1) on pin (2).
5. Install cap screws (4) and lock washers (3). Torque cap screws (4) 29.8-36.6 N·m (22-27 lb·ft).

NOTE

If cap screw (11) or nut (12) are loosened or removed, they must be reset properly. With all parts assembled, adjust screw (11) to allow the valve spool to fully release. After adjustment is made, torque nut (12) 27.1-33.9 N·m (20-25 lb·ft).



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