

Service Instructions

DISASSEMBLY

- Remove the master cylinder from vehicle. Do not attempt to repair the master cylinder while it is on the vehicle. Drain fluid from the master) cylinder.
- 2. Remove push rod (13) and boot (12) from housing (18).
- 3. Remove end plug (1) from housing (18).

A CAUTION

End plug (1) is under spring (8) tension.

- 4. Seat (2), check valve (3), spring (4), retainer (6), and spring (8) should follow end plug out of housing (18) bore.
- 5. Carefully remove piston (10) from housing (18) bore. Use a wooden dowel to push piston (10) out the end plug (1) end of housing (18).
- 6. Remove cups (9 & 11) from piston (10). **NOTE: Be** careful not to scratch or mar piston (10).
- 7. Remove o-ring (7) and seal (5) from retainer (6).

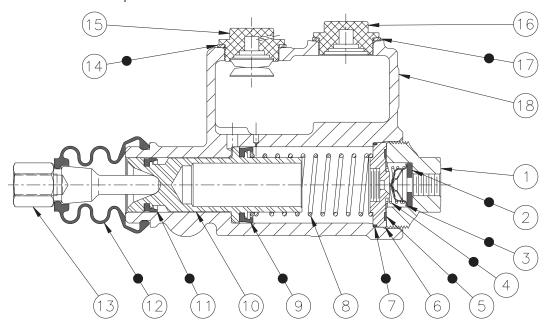
 NOTE: O-ring (7) may have remained in housing (18) bore. Be careful not to scratch or mar housing bore while removing o-ring (7).
- 8. Remove filler caps (15 & 16) and gaskets (14 & 17) from housing (18).

ASSEMBLY

LUBRICATE ALL RUBBER COMPONENTS FROM REPAIR KIT WITH CLEAN SYSTEM FLUID.

- 1. Install new cups (9 & 11) on piston (10). Note direction of cups. **NOTE: Care must be taken so as not to scratch or mar piston.**
- 2. Carefully install piston (10) into housing (18) bore. Note direction of piston.
- 3. Install spring (8) into housing (18) bore. Spring (8) should fit around piston (10).
- 4. Install new o-ring (7) into housing (18) bore.
- 5. Install new seal (5) on retainer (6). Position retainer (6) on spring (8). Note direction of retainer (6).
- 6. Lubricate the threads on end plug (1). Assemble new spring (4), new check valve (3), and new seat (2) in the correct order between retainer (6) and end plug (1).
- 7. Carefully guide retainer (6) into housing bore and start end plug (1) threads by hand. Tighten end plug (1) to approximately 67.8-108.5 N·m (50-80 ft·lb).
- 8. Install new gaskets (14 & 17) and filler plugs (15 & 16) on housing (18). Take note of filler plug locations.
- 9. Install new boot (12) and push rod (13).





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ZF Off-Highway Solutions Minnesota Inc.

1911 Lee Boulevard / North Mankato, MN U.S.A. 56003

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