Bulletin BPI 08-22

Subject: Master cylinder bench bleeding

Vehicle Involved: All with a step bore master cylinder

Condition: Cylinder will not build up pressure while bench bleeding with plugs in outlet ports.

Repair Procedure: It may be a challenge to bench bleed step bore master cylinders (Fig 1). They may have a quick take up valve, between the bore and the reservoir, (Fig 2) which can hinder the bleeding process.

Install plugs in the outlet ports of the cylinder and add approximately a half inch of brake fluid. With the plugs tight, use a blunt tool, and push the piston in as far as you can and hold it there for three seconds. Release the piston. Fluid should be sucked down into the master cylinder bore. Wait 10 seconds and repeat this procedure.

Continue this procedure until the piston moves in no more then a 1/8" to ¼" inch. Install the master cylinder on the vehicle, fill the master cylinder with the proper fluid marked on the master cylinder, and bleed the cylinder at the outlet lines, and then at the wheels following the recommended procedure in the bleed sequence manual.

When bleeding the wheels do not pump the pedal. Press the pedal down, open the bleeder screw and release the air. Seal the bleeder screw and let the pedal up. Wait ten seconds and repeat the procedure.

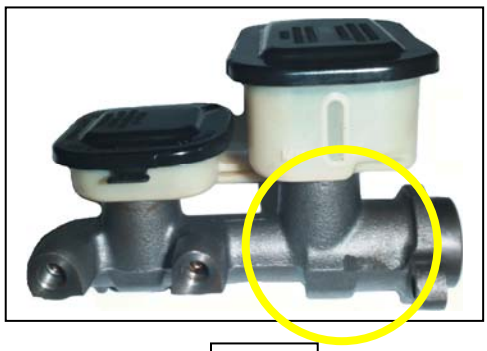

Fig 1

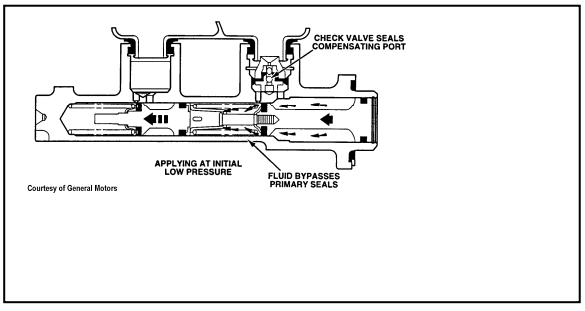

Fig 2