

5E1A-52 PCM/FOUR WHEEL ANTILOCK BRAKE SYSTEM

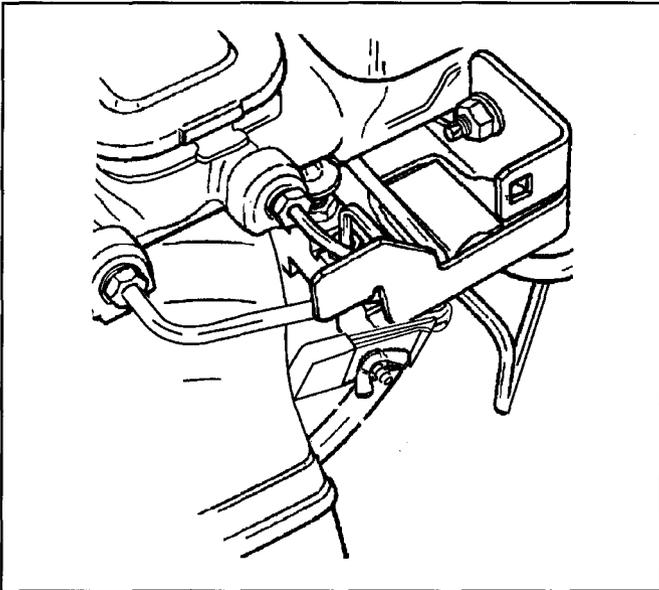


Figure 9—Depressing Combination Valve

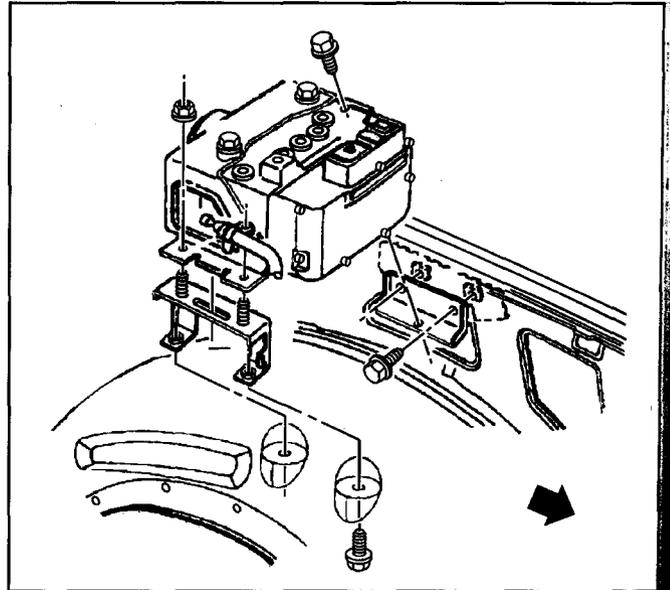


Figure 10—Brake Pressure Modulator Valve

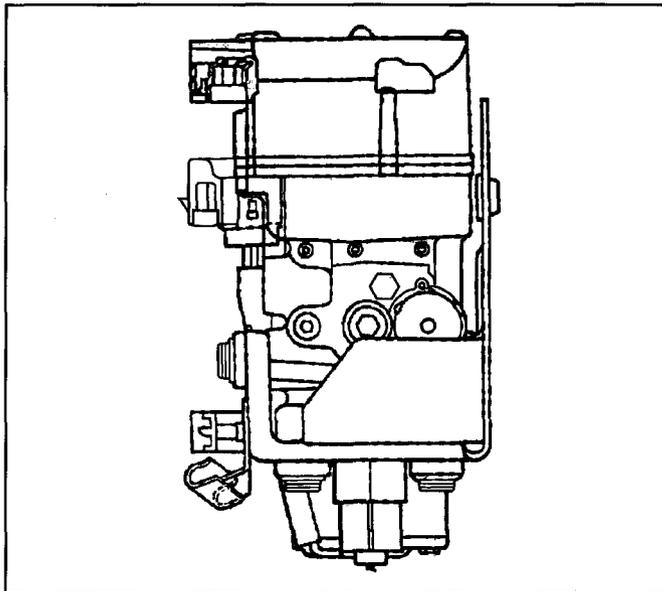


Figure 8—Bleeding the BPMV

! Important

- Expect to use two quarts of brake fluid to thoroughly bleed the system.

1. Open the internal bleed valves on the sides of the BPMV 1/4 to 1/2 turn each.
2. Install J 39177 on the left high pressure accumulator bleed stem of the BPMV (Figure 8).
3. Install J 39177 on the right high pressure accumulator bleed stem of the BPMV (Figure 8).
4. Install J 39177 on the combination valve (Figure 9).
5. Check the master cylinder reservoir fluid level and fill if needed.
6. Bleed the brakes as described in SECTION 5.

NOTICE: Refer to “Notice on page 5E1A-1

7. Close the internal bleed valves.

Tighten

- Internal bleed valves to 7 N.m (60 lbs. in.).

8. Remove the three J 39177 tools.
9. Check the master cylinder reservoir fluid level and fill if needed.
10. With the ignition switch “ON” and the engine off, perform six function tests with the scan tool.
11. Repeat the wheel cylinder and caliper bleed procedure to remove the air that purged from the BPMV during the function tests.
12. Apply firm pressure to the brake pedal and evaluate brake pedal feel.
13. Repeat the bleed procedure if needed.

- Make sure you have a good, hard brake pedal before starting the engine and moving the vehicle.

BRAKE PRESSURE MODULATOR VALVE

The BPMV is not serviceable. Replace it when the diagnostic charts show it is the cause of a malfunction.

↔ Remove or Disconnect (Figures 10 and 11)

1. Brake pipes from the BPMV.
2. Electrical connectors from the BPMV.
3. BPMV mounting bolts and/or nuts.
4. BPMV and mounting bracket assembly.
5. Mounting bracket bolts.
6. BPMV from the mounting bracket.

↔ Install or Connect (Figures 10 and 11)

NOTICE: For steps 2, 4, and 6, refer to “Notice” on page 5E1A-1.

1. BPMV to mounting bracket.
2. Mounting bracket bolts.