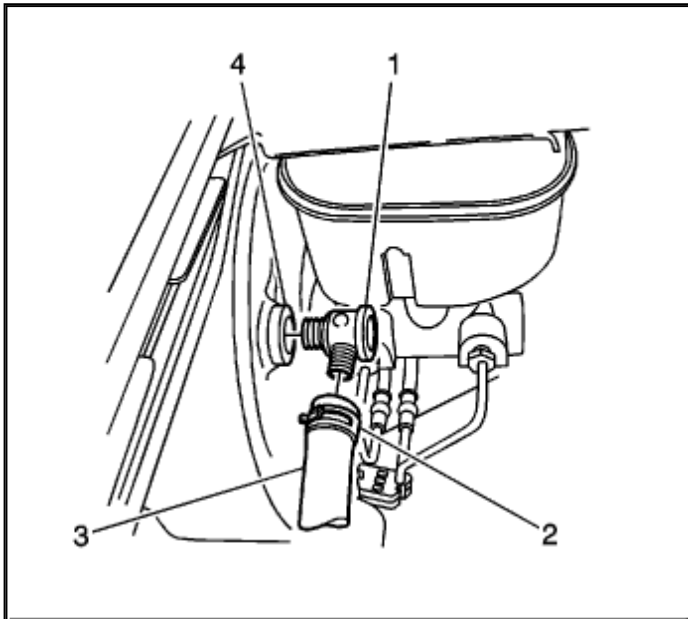


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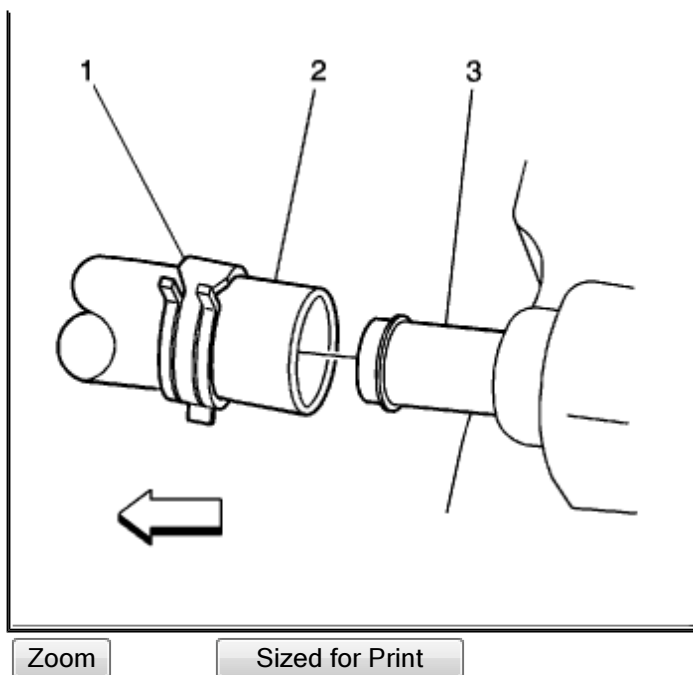
 **2005 Chevrolet Malibu L4-2.2L VIN F**

[Vehicle Level](#) → [Brakes and Traction Control](#) → [Power Brake Assist](#) → [Vacuum Brake Booster Check Valve](#)  
→ [Service and Repair](#) ←

**Service and Repair****Vacuum Brake Booster Check Valve and/or Hose Replacement****Removal Procedure**

1. Disconnect the brake booster vacuum check valve (1) from the brake booster.
2. If the vacuum check valve (1) needs to be separated from the vacuum hose (3), release and reposition the clamp (2) on the vacuum hose (3) and remove the check valve (1) from the hose (3).
3. If replacing the vacuum check valve (1), remove the grommet (4) from the brake booster and discard the grommet.

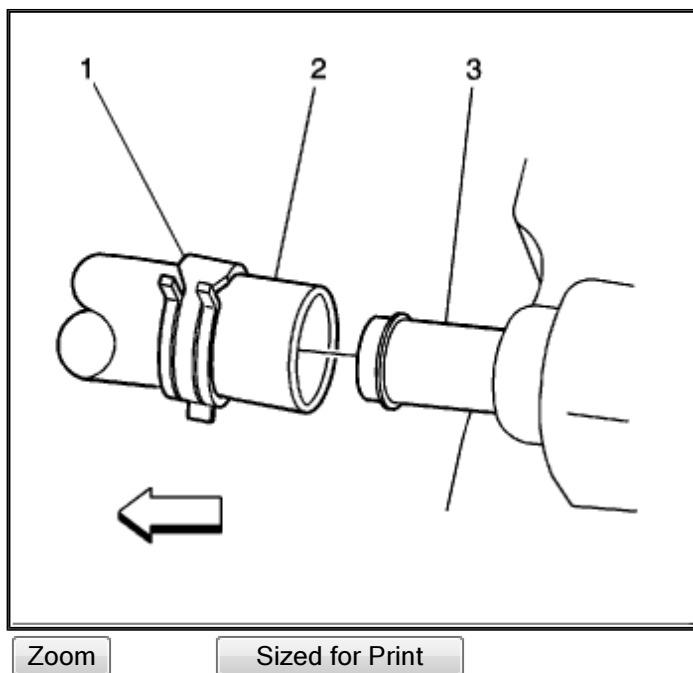




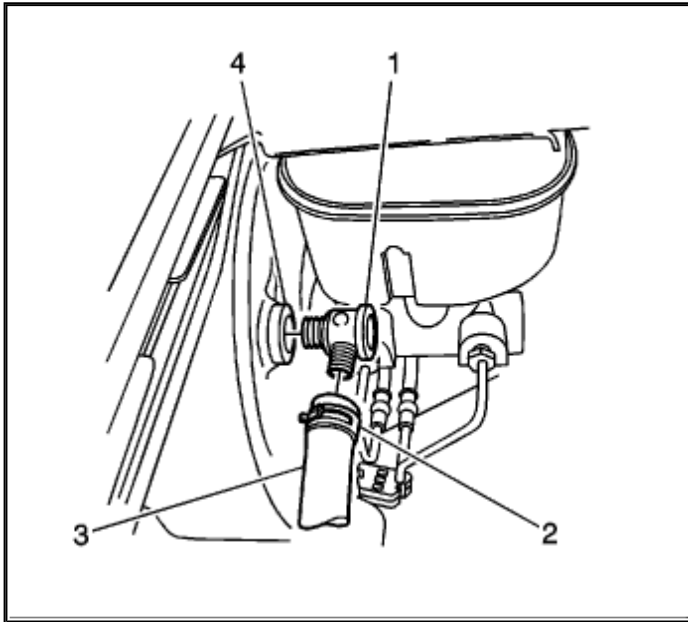
4. If removing the vacuum hose (2), take note of the vacuum hose routing then disconnect from the engine intake manifold connection (3) by releasing tension on the vacuum hose clamp (1) and sliding the vacuum hose (2) off the intake manifold connection (3).

### Installation Procedure

**Important:** A small amount of denatured alcohol can be used as an assembly aid when installing the vacuum check valve and/or grommet. Do NOT use soap.



1. If the vacuum hose (2) was removed, install the vacuum hose into position on the vehicle as noted prior to removal, then connect the vacuum hose (2) to the engine intake manifold connection (3) and secure with the vacuum hose clamp (1).

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2. If the vacuum check valve (1) is being replaced, install a NEW grommet (4) to the brake booster.
3. If the vacuum check valve (1) was separated from the vacuum hose (3), install the check valve (1) to the vacuum hose (3). Install and secure the clamp (2) into position on the hose (3).
4. Connect the brake booster vacuum check valve (1) to the brake booster.

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