

Fig. 67: Identifying Intake Manifold Bolt Tightening Sequence
Courtesy of GENERAL MOTORS CORP.

NOTE: Refer to **Fastener Notice** in **Cautions and Notices**.

4. Install the intake manifold bolts.

Tighten:

- Tighten the intake manifold bolts a first pass in sequence to 5 N.m (44 lb in).
- Tighten the intake manifold bolts a final pass in sequence to 10 N.m (89 lb in).

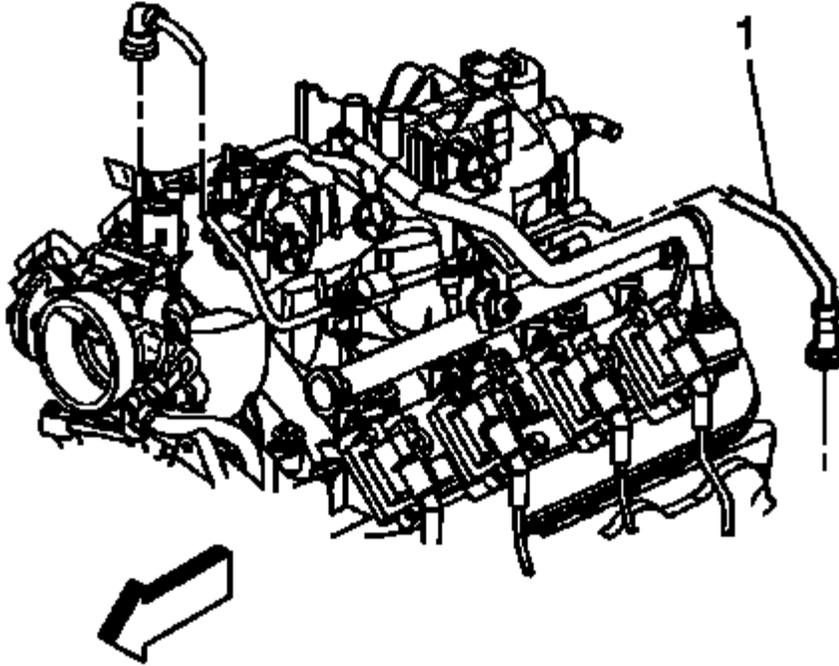


Fig. 68: View Of EVAP Purge Solenoid Vent Tube
Courtesy of GENERAL MOTORS CORP.

5. Install the EVAP purge solenoid vent tubes (1) and (2).

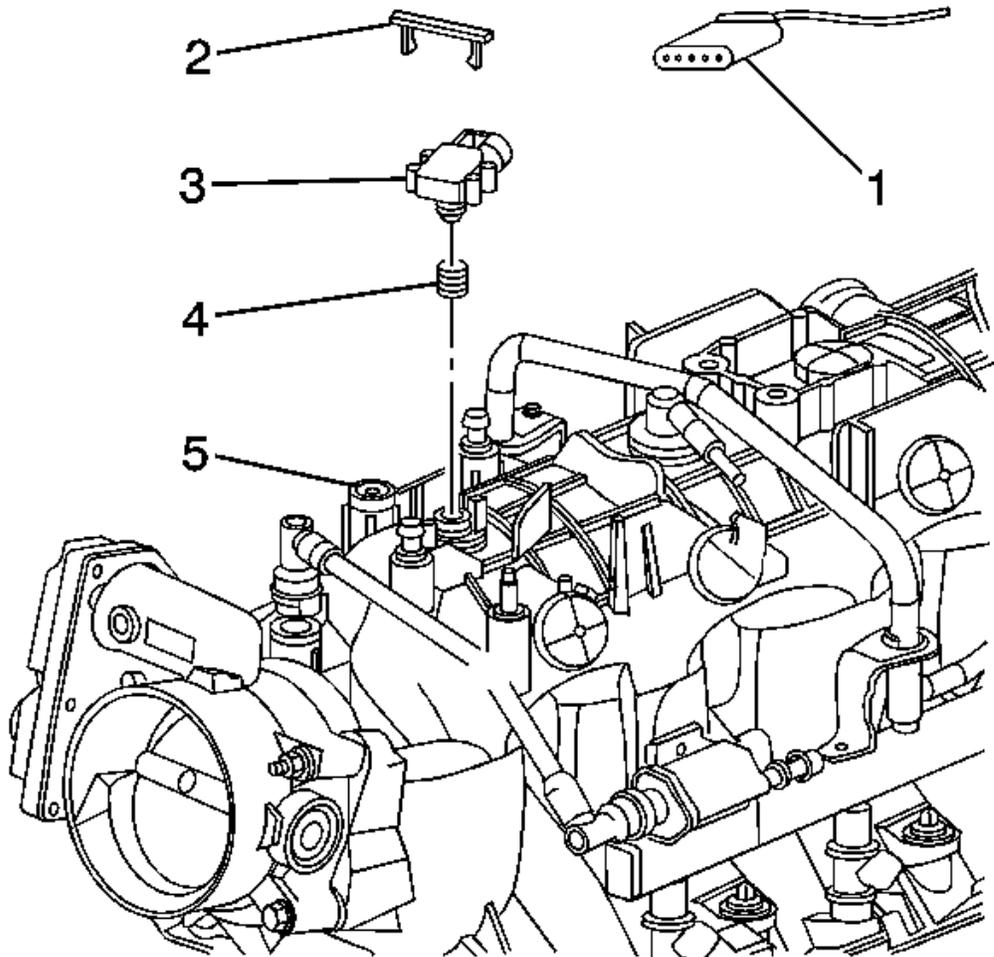


Fig. 69: Removing/Installing Manifold Absolute Pressure (MAP) Sensor
Courtesy of GENERAL MOTORS CORP.

IMPORTANT: Lightly coat the MAP sensor seal with clean engine oil before installing.

6. Install the MAP sensor. Refer to **Manifold Absolute Pressure (MAP) Sensor Replacement** in Engine Controls - 6.0L.
7. Install the PCV hose.

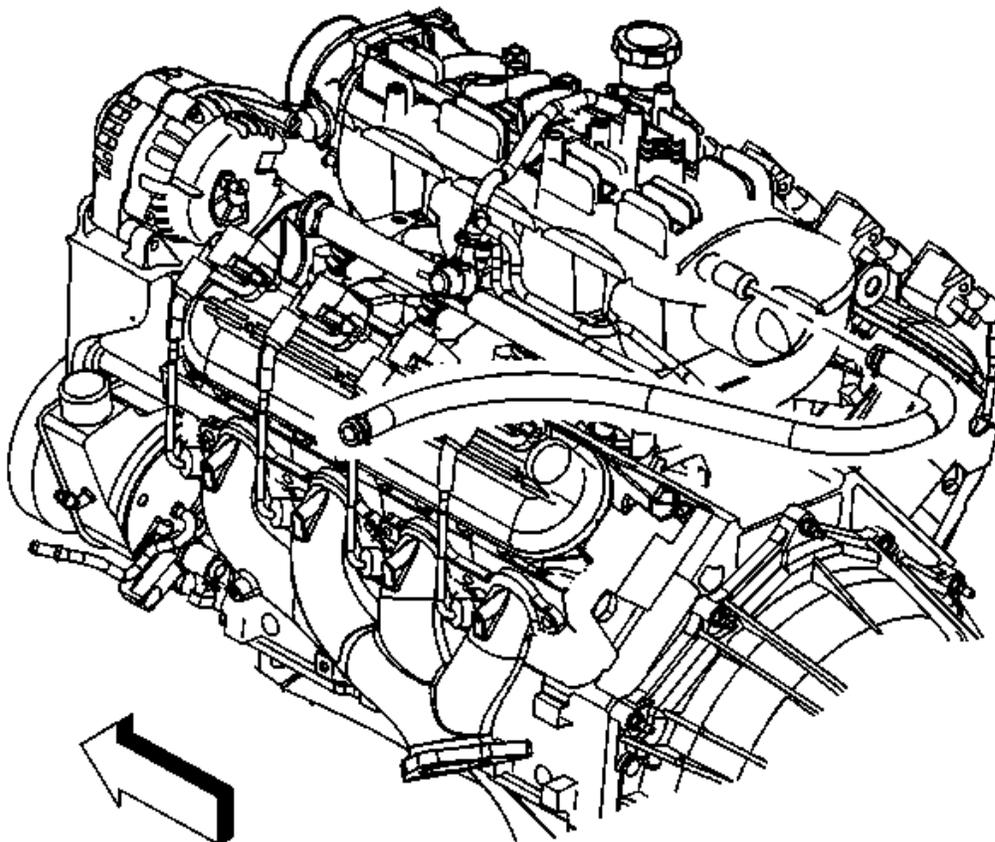


Fig. 70: Disconnecting Vacuum Brake Booster Hose (4.8L, 5.3L, 6.0L)
Courtesy of GENERAL MOTORS CORP.

8. Install the vacuum brake booster hose.
9. Route the electrical harness into position over the engine.
10. Install the fuel injectors. Refer to **Fuel Injector Replacement** in Engine Controls - 6.0L.
11. Install the throttle body. Refer to **Throttle Body Assembly Replacement** in Engine Controls - 6.0L.

Engine Valley Cover Replacement

Removal Procedure

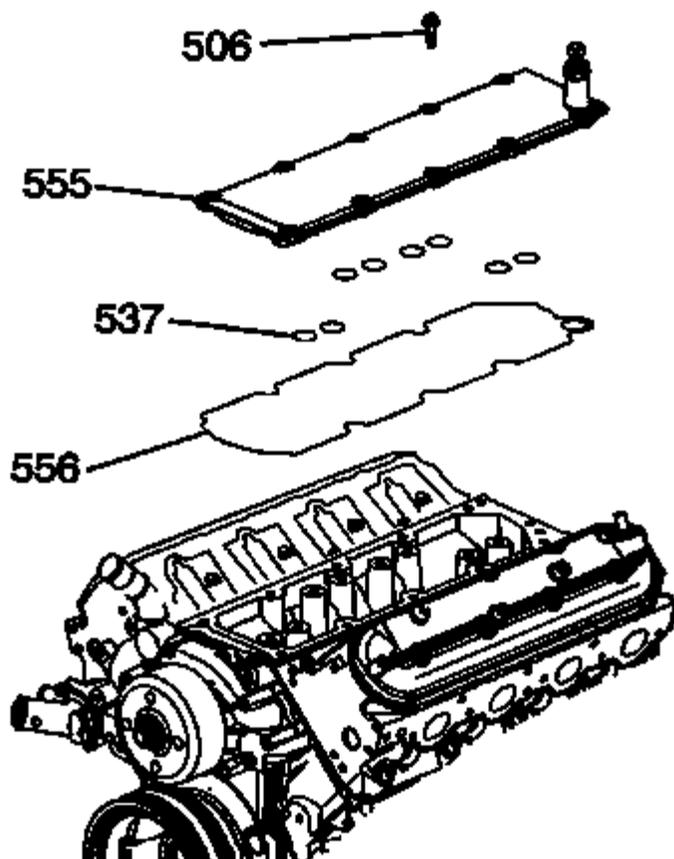


Fig. 71: Removing/Installing Engine Valley Cover
Courtesy of GENERAL MOTORS CORP.

1. Remove the intake manifold. Refer to **Intake Manifold Replacement**.
2. Remove the engine valley cover bolts (506).
3. Remove the engine valley cover (555), gasket (556), and the O-rings (537) from the cover.
4. Remove the oil pressure sensor and washer as required.
5. Discard the old gaskets and O-rings. DO NOT reuse. Use NEW gaskets and O-rings ONLY.

Installation Procedure