

FUEL PRESSURE REGULATOR

The fuel pressure regulator is a diaphragm-operated relief valve with fuel pump pressure on one side and intake manifold pressure (engine vacuum) combined with mechanical spring pressure on the other. The function of the regulator is to maintain a regulated pressure at the injectors at all times by controlling the flow into the return line.

The fuel pressure regulator is mounted on the fuel rail and may be serviced separately.

If the fuel pressure is too low, poor performance and a DTC P0131, or P0151 could set. If the pressure is too high, excessive odour and a DTC P0132, or P0152 may result. Refer to [Table A-4.1](#) for information on diagnosing fuel pressure conditions.

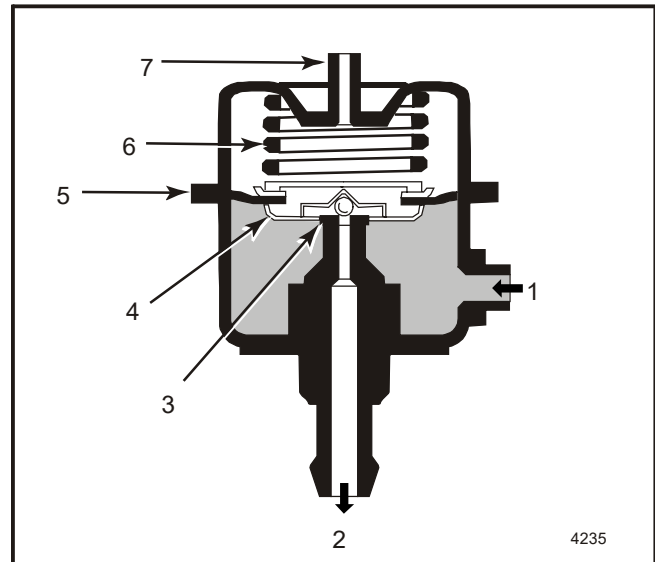
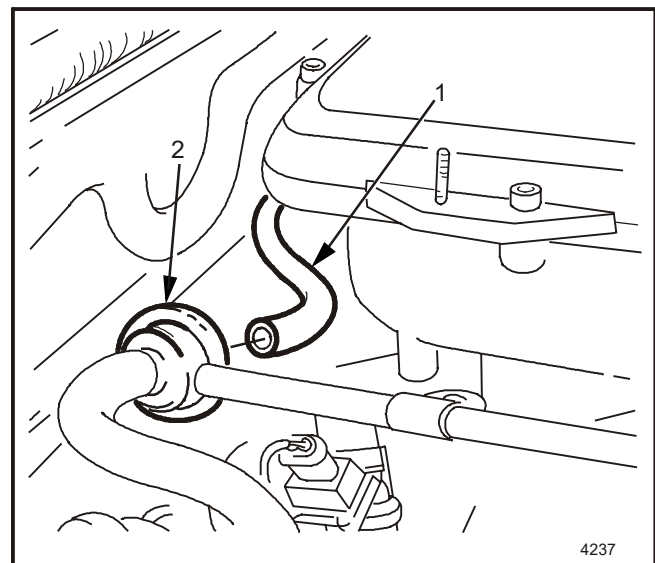


Figure 6C1-1-83 Typical Fuel Pressure Regulator

1. Fuel Inlet
2. Fuel Return Outlet
3. Valve
4. Valve Holder
5. Diaphragm
6. Compression Spring
7. Vacuum Connection



**Figure 6C1-1-84 Fuel Pressure Regulator Location
V6 Engine**

1. Vacuum Hose
2. Fuel Pressure Regulator