



PRESSURE REGULATOR INSPECTION

Fuel Line Pressure

1. Disconnect the negative battery terminal
2. Release fuel system pressure. Refer to "Releasing Fuel System Pressure" in this section
3. Connect a fuel pressure gauge to the pressure port located on the front of the fuel rail.
4. Connect the negative battery terminal.
5. Start the engine and run it at idle.
6. Inspect the fuel line pressure measurement.

Fuel line pressure : 34 psi (235 kPa)

7. Disconnect the vacuum hose from the pressure regulator and measure the fuel line pressure.

Fuel line pressure : 42 psi (292.5 kPa)

Hold Pressure

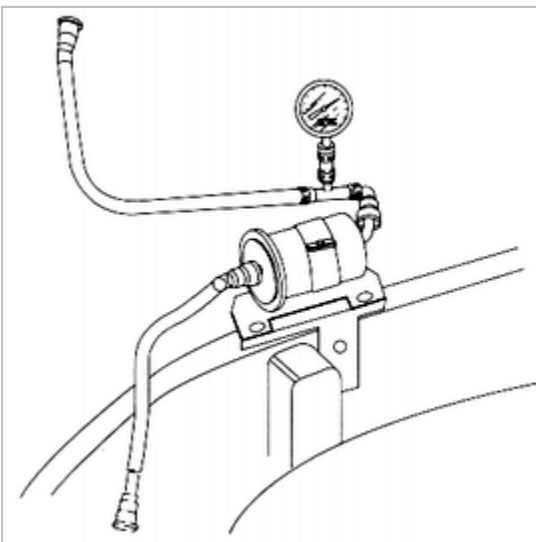
Do this inspection if the fuel line pressure inspection is not as noted.

1. Disconnect the negative battery terminal.

CAUTION

The Fuel System remains under pressure when the engine is not running. Release fuel system pressure before disconnecting any fuel line to reduce the chance of personal injury or fire damage to the vehicle.

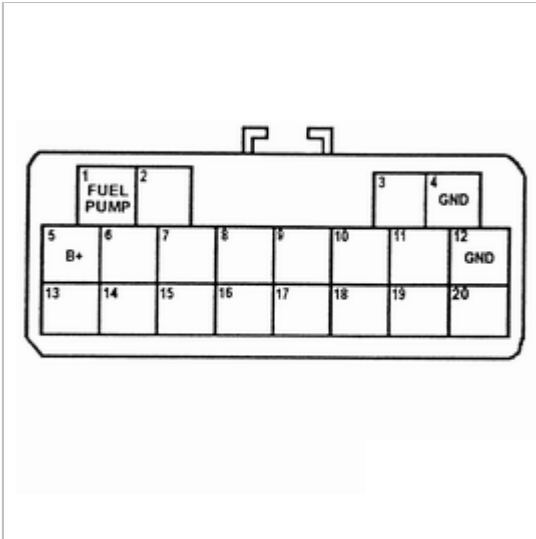
2. Release fuel system pressure. Refer to "Releasing Fuel System Pressure" in this section.
3. Connect a fuel pressure gauge to the pressure port located on the front of the fuel rail.
4. Connect the negative battery terminal.



5. Connect the data link connector terminals FUEL PUMP and B+ with a jumper wire
 6. Turn the ignition switch on for 10 seconds to run the fuel pump.
 7. Turn the ignition switch off and take off the jumper wire.
 8. Pinch the fuel return hose at the regulator with pliers.
 9. Observe the fuel pressure for 5 minutes.
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Fuel pressure : More than 21 psi (147 kPa)

10. If not as noted, replace the pressure regulator, Refer to the pressure regulator replacement steps located in this manual.



Removal

CAUTION

- 1) The fuel system remains under pressure when the engine is not running. Release fuel system pressure before disconnecting any fuel line to reduce the chance of personal injury or fire damage to vehicle components.
- 2) Fuel is explosive. When working with fuel system parts, make sure to supply adequate ventilation to the work area. Do not smoke, and keep sparks and open flames away.

1. Depressurize the fuel system. See "Releasing Fuel System Pressure" in this section.
2. Disconnect the fuel pump connector.
3. Disconnect the vacuum hose.
4. Disconnect the fuel return hose.
5. Remove the pressure regulator by removing the two mounting bolts.

Installation

1. Install a new O-ring on the regulator body.
2. Install the pressure regulator with two mounting bolts.

Tighten to 69 ~ 104 lb-in (7.8 ~ 11.7 N·m).

3. Install the fuel return hose.
4. Install the vacuum hose.
5. Connect the fuel pump electrical connector.