

Fuel Venting Out With Key ON

Symptoms: Fuel Venting Out With Key ON

General Information

The Fuel Delivery System (FDS) regulator has a pressure relief valve in the regulated pressure circuit on the low-pressure side of the regulator. This relief valve is in place to protect the engine from seeing too much pressure. The nominal set pressure of the pressure relief valve is 175 psi. If the pressure relief valve activates, it is spring loaded and should close once the regulated pressure drops below the set pressure. In rare circumstances the regulated pressure may briefly creep high enough to activate the pressure relief valve at key on, but should close in a short amount of time, and the regulated pressure should go to the normal operating pressure once the engine is running.

Condition

- Key ON, Fuel Venting

Action

- Does venting stop within a few seconds.
 - If yes, start engine and see if pressure returns to normal operating pressure.
- If no, Turn key OFF
 - If it does not stop after a few seconds, perform regulator adjustment to make certain outlet pressure is set at the correct set point.
 - If outlet was set at correct pressure, fuel regulator will need to be replaced.

Specification

- If venting STOPS proceed to Linked Solutions Section.
- If venting DOES NOT STOP proceed to Linked Solutions Section.

Linked Solutions

- [Fuel System Regulator \(042-022\)](#)
- [Pressure Relief Device \(PRD\) \(042-010\)](#)
- [Fuel System Regulator Pressure Relief Valve \(PRV\) \(042-024\)](#)

Repair

- Replace or repair components that were found to be out of specification.

Validation

Turn key ON and check vents.