
Fuel System - Overview

The gasoline fuel system consists of the following:

- 2-speed Mechanical Returnless Fuel System (MRFS) with MFI
- Fuel Pump FP module that operates on 8 or 12.5 volts depending on load, that supplies fuel under pressure to the fuel rail (located in the fuel tank).
- Lifetime fuel filter (serviced as part of the FP module)
- Fuel tank filler pipe assembly
- Fuel tank
- Fuel and vapor tubes packaged in a bundle

The vehicle is equipped with electronic Multi-Port Fuel Injection (MFI) that is supplied by a 2-speed Mechanical Returnless Fuel System (MRFS). The PCM (powertrain control module) is able to maintain constant fuel pressure by varying the FP output. This is accomplished by increasing or decreasing voltage supplied by the fuel pump control module to the FP based on the duty cycle request from the PCM. The return-less fuel system offers improved economy, lower fuel temperatures and decreased fuel vapor in the fuel tank.

Depending on the vehicle configuration, one of two types of evaporative fuel vapor systems are used: - Non - ORVR, ORVR

Refer to: Evaporative Emissions - Overview (303-13B Evaporative Emissions - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), Description and Operation).

Control for further information.
