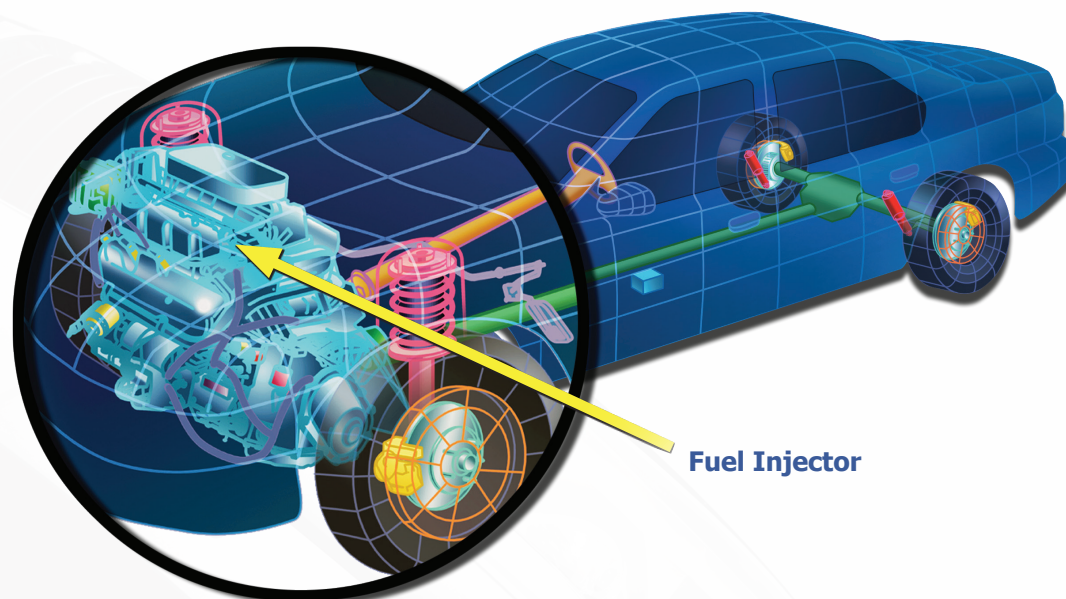


Fuel Injectors



Fuel Injector

What does a Fuel Injector do?

The Fuel Injector is an electronically controlled valve that is supplied with pressurized fuel by the fuel pump and when energized atomizes the fuel into a fine mist so that it can burn easily by the vehicle's engine.

Where are Fuel Injectors located?

The fuel injector is mounted in the intake manifold so that fuel is sprayed directly at the intake valves. A fuel supply rail connects all of the fuel injectors to the fuel supply.

Will a malfunctioning Fuel Injector illuminate the check engine light or affect vehicle operation?

A failing sensor can illuminate the MIL and cause the engine to run too rich or lean, leading to misfire and loss of power.

What are the common causes of failure?

Improper fuel filter maintenance can cause the injector to clog with debris. Poor quality fuel often results in deposits on the fuel injector disrupting the fuel spray pattern.

How to determine if these injectors are malfunctioning?

The CLEEN Fuel Injection Cleaning Kit (CST100CQ) can test fuel pumps, pressure regulators and diagnose leaking fuel injectors. An injector balance test with a scan tool will determine fuel contribution and an injector drop test will determine fuel flow through each injector.

What makes BWD® Fuel Injectors the best.

- BWD® flow-matched injectors promote smooth engine operation and balanced fuel delivery reducing overall fuel consumption and harmful emissions
- Stainless steel calibration slide and spring assembly prevents corrosion within the fuel control body leading to an extended service life
- Precision wound and trimmed solenoid windings allow the computer to command efficient delivery of fuel
- High-temp Viton o-rings enable prolonged sealing of injector under extreme heat conditions



Ford
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