

## P008D: FUEL COOLER PUMP CONTROL CIRCUIT LOW

### OVERVIEW

Severity	:	<div><div>Medium</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$150 - 600
Can I Still Drive?	:	Yes (Short-term only)

### What Does The P008D Code Mean?

Trouble code P008D is one of several possible codes associated to diesel powered vehicles that indicates that the Powertrain Control Module (PCM) has detected a malfunction and with the operation of the Fuel Cooler Pump Control Circuit that is incorporated to facilitate the proper operation of a diesel engine.

The codes that are commonly associated to Fuel Cooler Pump Control Circuit malfunctions are [P008C](#) and [P008E](#).

The purpose of the Fuel Cooler Pump Control Circuit is to control the operation of the fuel cooler pump. This feature is specific to diesel powered vehicles to cool the excess fuel prior to returning the fuel back to the fuel supply system.

The fuel is cooled by the fuel cooler that operates in a similar manner to a radiator using coolant to remove heat from the fuel.

The pump is temperature controlled by the Fuel Cooler Pump Control Circuit that turns the pump on to route fuel through the fuel cooler assembly prior to returning the fuel back to the fuel tank.

This process will vary based on the specific diesel powered vehicle and the fuel system configuration. The end result is the same providing optimum performance and protecting fuel system components.

Based on the specific diesel-powered vehicle involved, various other codes may be activated by the PCM and illuminate the Check Engine Light as well.

Code P008D is set by the PCM when the Fuel Cooler Pump Control Circuit has a low voltage condition.

## What Are The Symptoms Of The P008D Code?

Symptoms of a P008D engine code may include:

- Decreased engine performance
- Acceleration and idle surging
- Check Engine Light illuminated
- Increased fuel consumption
- Noise coming from the fuel cooler pump

## What Are The Potential Causes Of The P008D Code?

Causes for this code may include:

- Defective fuel cooler pump
- Corroded or damaged connector
- Faulty or damaged wiring
- Faulty PCM

## How Can You Fix The P008D Code?

Replacing the fuel cooler pump  
Cleaning corrosion from connectors  
Repairing or replacing wiring  
Flashing or replacing PCM  
Hopefully, the information in this article has been helpful to point you in the right direction to correct the problem with your Fuel Cooler Pump Control Circuit.

This article is strictly informational and the specific technical data and service bulletins for your vehicle should always take priority.

## Severity Description

The severity of this code starts as moderate based on the specific malfunction and the severity level will progress. Hot fuel temperatures are not desirable and can cause excessive wear on fuel system components and excessive wear to internal engine components as well if not corrected in a timely manner.

## Reference Sources

[P008D: Fuel Cooler Pump Control Circuit Low](#), OBD-Codes.