

P064A: FUEL PUMP CONTROL MODULE

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$220-\$1000
Can I Still Drive?	:	No

What Does The P064A Code Mean?

A stored code P064A means that the powertrain control module (PCM) has detected a malfunction in the fuel pump control module.

The fuel pump control module is responsible for supply and regulation of voltage to the fuel pump relay and the fuel pump. In most cases, the fuel pump controller is integrated into the PCM but it may also be a stand-alone module. The fuel pump provides pressurized fuel for the fuel injection system. It is most often located inside the fuel tank.

Each time the ignition is turned on and the PCM is energized, multiple controller self-tests are performed. By performing internal controller self-tests, the PCM can monitor serial data that is carried over the controller area network (CAN) to ensure that on-board controllers are interfacing properly.

If a problem is detected in monitoring the fuel pump control module, a code P064A will be stored and a malfunction indicator lamp (MIL) may be illuminated.

What Are The Symptoms Of The P064A Code?

Symptoms of a P064A trouble code may include:

- Delayed engine starting
- No-start condition

- Engine drivability issues
- Other stored codes

What Are The Potential Causes Of The P064A Code?

Causes for this code may include:

- Faulty fuel pump controller or PCM
- Open fuel pump control module voltage supply circuit
- Bad or tripped fuel pump voltage shutoff switch
- PCM programming error
- Open or shorted fuel pump control circuit

How Can You Fix The P064A Code?

A diagnostic scanner, a digital volt/ohmmeter (DVOM), and a source of reliable vehicle information will be required to diagnose a code P064A.

Consult your vehicle information source for technical service bulletins (TSB) that replicate the code stored, vehicle (year, make, model, and engine), and symptoms exhibited. If you find the appropriate TSB, it may yield helpful diagnostic information.

Step 1

Begin by connecting the scanner to the vehicle diagnostic port and retrieving all stored codes and freeze frame data. You will want to write this information down, just in case the code proves to be an intermittent one. After recording all pertinent information, clear the codes and test drive the vehicle (if possible) until the code is reset or the PCM enters readiness mode.

Step 2

If the PCM enters readiness mode, the code is intermittent and will be more difficult to diagnose. The condition, which caused the P064A to be stored, may need to worsen before an accurate diagnosis can be reached. If the code is reset, continue with your diagnosis.

Step 3

Use your source of vehicle information to obtain connector face views, connector pin-out charts, component locators, wiring diagrams, and diagnostic flow charts related to the code and vehicle in question.

Check to see if there is battery voltage on the fuel pump control circuit by using the appropriate wiring diagram and your DVOM. If not check system fuses and relays and replace defective parts as

required. If the vehicle is equipped with a fuel pump voltage shutoff switch, test it to make sure that it has not been activated or is defective.

If there is no voltage (and/or ground) on the fuel pump control circuit (and all fuses and relays appear to be functioning properly) an inspection of controller related wiring and harnesses is in order. You will also want to check chassis and engine ground junctions. Use your vehicle information source to obtain ground locations for related circuits.

If there is voltage (and ground) present on the fuel pump control circuit, inspect system controllers for signs of water, heat, or collision damage. Any controller that is damaged (particularly by water) should be considered defective.

Step 4

If controller power and ground circuits are intact, suspect a defective controller or a controller programming error. Controller replacement will require reprogramming.

- If the vehicle has been involved in a collision, check the fuel pump voltage interrupt switch first
- Test controller ground integrity by connecting the negative test lead of the DVOM to ground and the positive test lead to battery voltage

Severity Description

Fuel pump control module codes should be taken seriously. A stored code P064A could result in a no-start condition.

Reference Sources

[P064A Fuel Pump Control Module](#), OBD-Codes.