



Service Bulletin

File in Section: -

Bulletin No.: PI0296

Date: November, 2010

PRELIMINARY INFORMATION

Subject: Malfunction Indicator Lamp (MIL) Illuminated, DTC P0201, P0300 and/or P0301 Set, Engine Misfire (Inspect Wiring Harness Insulation of Fuel Injector #1 for Chafing, Repair as Outlined)

Models: 2008-2011 Chevrolet Cobalt, HHR, Malibu
2008-2010 Pontiac G5, G6
Equipped with 2.4L Engine RPO LE5 or LE9

The following information may be helpful if the vehicle exhibits the symptoms described in this PI.

Condition/Concern

Some customers may comment that the malfunction indicator lamp (MIL) is illuminated and the engine has a misfire. The technician may observe on a scan tool DTC P0201, P0300 and/or DTC P0301 set as Current or in History. This condition may be caused by chafing of the wiring harness insulation for fuel injector #1.

Recommendation/Instructions

Important: DO NOT replace the ECM or the fuel injector for the above condition.

1. Perform the Diagnostic System Check - Vehicle.
 - ⇒ If DTC P0201, P0300 and/or P0301 are set as Current or in History, proceed to Step 2.
 - ⇒ If DTC P0201, P0300 and/or P0301 are not set as Current or in History, refer to > Symptoms - Vehicle > Symptoms - Engine Controls in SI.
2. Turn OFF the ignition.
3. Inspect the wiring harness insulation of fuel injector #1 for chafing in the area of the alternator and the upper radiator cooling hose at the engine.
 - ⇒ If the wiring harness insulation of fuel injector #1 has chafing, then repair as needed. Refer to Power and Signal Distribution > Wiring Systems and Power Management > Diagnostic Information and Procedures > Repairing Damaged Wire Insulation in SI.
 - ⇒ If the wiring harness insulation of fuel injector #1 does not have chafing, then refer to Diagnostic Trouble Code (DTC) List - Vehicle in SI.



4. Cut a piece of plastic convoluted tube (2), approximately 38 mm (1.5 in) in length to install on the wiring harness (1) of fuel injector #1.



2541230

5. Wrap and secure the wiring harness of fuel injector #1 in the plastic convoluted tube.
6. Turn ON the ignition. Clear all DTCs with a scan tool.
7. Start the engine and observe the following control circuit status parameters for fuel injector #1:
 - Injector Ckt Short Gnd Test Status
 - Injector Ckt Open Test Status
 - Injector Ckt Short Volts Test Status
 Each parameter should display OK or Not Run.
8. With the engine running, observe the DTC information with a scan tool. DTC P0201 should not set.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
N6653	Wire to Wire Repair	Use Published Labor Operation Time