

Possible Reason For Catalyst Codes

Even without the presence of P0171 “lean” code, a lean condition can cause a “false” catalyst code due to an improper exhaust content of HC & CO.

Lean conditions are the leading cause of “false” catalytic converter codes!

2006 Chevrolet Malibu L4-2.2L VIN F

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- Engine Controls - SES Lamp ON/DTC P0171 Set

Bulletin No.: 06-06-04-033

Date: June 21, 2006

TECHNICAL

Subject:

L61 Engine Malfunction Indicator Lamp (MIL)/Service Engine Soon (SES) Lamp Illuminated with DTC P0171 "Fuel Trim System Lean" Set (Reprogram ECM)

Models:

2005-2006 Chevrolet Cobalt, Cobalt SS Supercharged

2006 Chevrolet HHR

2004-2006 Chevrolet Malibu

2005-2006 Pontiac Pursuit (Canada Only)

2004-2005 Saturn ION Redline

2005-2006 Saturn ION

with Ecotec(TM) 2.0L or 2.2L I-4 Engine (VINs P, F - RPOs LSJ, L61)

Condition

Some customer may comment that the MIL/SES lamp is illuminated. Further diagnostic investigation with a scan tool may reveal a DTC P0171 Fuel Trim System Lean. No other driveability or performance concerns may be reported.

Cause

The most likely cause of this issue may be that the engine calibrations need to be updated to correct a variation in the Mass Air Flow Sensor.

Correction

DO NOT replace the MAF sensor, the ECM or any other parts.

Important:

- ^ Chevrolet/Pontiac Dealers: The ECM calibration is available to dealerships as part of TIS2000 incremental satellite update version 6.5, which was broadcast to dealers June 12, 2006 or later. For the dealerships that use CDs, they were mailed out June 2006 or later.
- ^ Saturn Retailers: Before installing the new ECM calibration, make sure the Saturn Service Stall (SSS) version is TIS 6.5 2006 or later.
- ^ While the ignition is OFF, apply the parking brake to disable the daytime running lights (DRLs) prior to starting reprogramming procedures
- ^ The technician must select the "Reprogram" option in order to reprogram the ECM.

Reprogram the ECM with the latest calibration. This calibration, or any that follow, is designed to address this DTC P0171 concern. Refer to Service Programming System (SPS) in SI for reprogramming procedures. As always, make sure your Tech 2(R) is updated with the latest software version.

Warranty Information

Labor Operation	Description	Labor Time
J6353	Reprogram ECM with SPS	0.4 hr*
* U.S. Saturn Retailers: Refer to Saturn Electronic Labor Time Guide.		

For vehicles repaired under the 8-year/80,000 mile (130,000 km) emission controller warranty, use the table.