



# Service Bulletin

Bulletin No.: 18-NA-246

Date: March, 2019

## TECHNICAL

**Subject:** Malfunction Indicator Lamp (MIL) Illuminated - DTC P0172 Set

**Attention:** This bulletin applies to the vehicles that have fuel enriched engine oil due to short driving intervals.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Envision	2016	2019			Equipped with 2.0L (RPO LTG)	
	Regal	2014					
Cadillac	ATS	2013					
	CTS	2014					
Chevrolet	Camaro	2016					
	Equinox	2018					
	Malibu	2013					
	Traverse	2018					
GMC	Terrain	2018					

<b>Involved Region or Country</b>	North America
<b>Condition</b>	Some customers may comment that the MIL is illuminated. Some technicians may find DTC P0172 (Fuel Trim System Rich) set in the Engine Control Module (ECM).
<b>Cause</b>	This condition may be caused by driving the vehicle in short intervals, allowing excessive fuel to collect in the crankcase.
<b>Correction</b>	<b>Important:</b> This service procedure is for vehicles that have fuel enriched engine oil due to frequent short trip operation. Replacing fuel components such as the high pressure fuel pump or fuel injectors will not correct the setting of P0172 under the operating conditions described unless those components can be verified as causing a fuel rich condition. If fuel in the engine oil has been confirmed to be caused by frequent short trip operation, refer to the Service Procedure below.

### Service Procedure

**Important:** Perform all of the procedures below that apply to the model year of the vehicle being worked on.

#### For 2016-2018 Model Years:

**Note:** Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. Install a GM Authorized Programming Support Tool to maintain system voltage. Refer to [www.gmdesolutions.com](http://www.gmdesolutions.com) for further information. If not available, connect a fully

charged 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.

1. Program ECM to the latest software available. Refer to *K20 Engine Control Module: Programming And Setup* in SI.

For 2016-2019 Model Years:

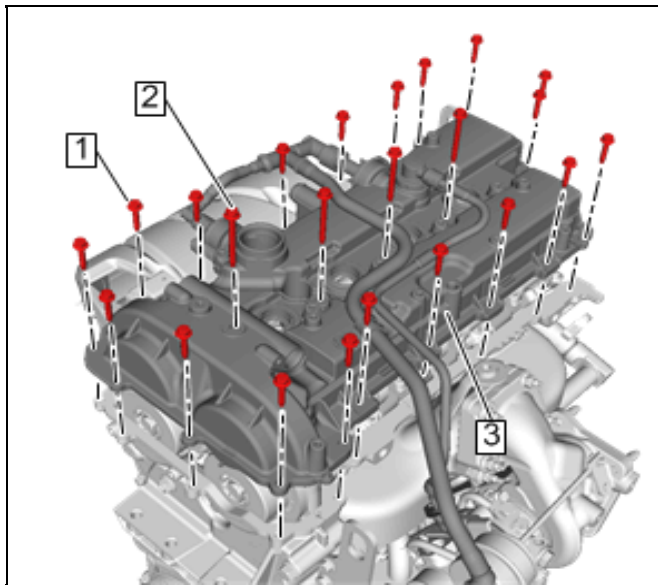
**A**



**B**



**Note:** The graphic above compares the old style primary PCV valve (A) to the revised PCV valve (B).



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1. Remove the camshaft cover (3). Refer to *Camshaft Cover Replacement* in SI.
2. Remove the PCV valve from the cover.

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3. Apply a light coating of oil to the revised PCV valve O-ring.



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4. Using hand pressure, install the PCV valve into the cover until seated into bore.
5. Install the camshaft cover.

### 2013-2019 Model Years

**Note:** An oil and filter change is necessary to remove excessive fuel collected in the crankcase and correct the DTC set.

1. Perform an oil change. Refer to *Engine Oil and Oil Filter Replacement* in SI.
2. Clear the code and take the vehicle for a test drive to validate that the code does not return.

**Important:** If the customer continues to frequently operate the vehicle in this manner, they **MUST** change the engine oil and filter more frequently than the oil life monitor indicates. How often the customer must change the engine oil is based on how they operate the vehicle.

**Parts Information**

Causal Part	Description	Part Number	Qty
N/A	Filter, Oil	Refer to EPC	1
N/A	Oil		
N/A	VALVE, PCV (Primary)	55596783	1

**Warranty Information**

**Important:** Only select the labor operation that coincides with the repair performed.

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Model	Description	Labor Time
4086338*	All	Diagnosis MIL and Clear Code	0.2 hr
Add	All	Oil and Filter Change	0.3 hr
Add	Envision	Camshaft Cover Removal and Install	2.5 hrs

Labor Operation	Model	Description	Labor Time
Add	Regal	Camshaft Cover Removal and Install	1.5 hrs
Add	ATS	Camshaft Cover Removal and Install	3.9 hrs
Add	CTS	Camshaft Cover Removal and Install	3.7 hrs
Add	Camaro	Camshaft Cover Removal and Install	3.9 hrs
Add	Equinox	Camshaft Cover Removal and Install	2.5 hrs
Add	Malibu	Camshaft Cover Removal and Install	3.6 hrs
Add	Traverse	Camshaft Cover Removal and Install	4.0 hrs
Add	Terrain	Camshaft Cover Removal and Install	2.5 hrs
Add	All	Install Primary PCV Valve	0.1 hr
2886148*	All	Engine Control Module Reprogramming with SPS for DTC P0172 Set	0.5 hr

\*This is a unique Labor Operation for Bulletin use only.

<b>Version</b>	4
<b>Modified</b>	Released August 06, 2018 January 30, 2019 – Added an Attention statement, updated the Models section, Correction, Service Procedure and Parts and Warranty Information. February 14, 2019 – New Labor Operation number requested for ECM programming under Warranty Information section. March 19, 2019 – Updated the Envision, Equinox and Terrain Labor Times.

