



Service Bulletin

Bulletin No.: 22-NA-056

Date: March, 2022

TECHNICAL

Subject: Malfunction Indicator Lamp (MIL) Illuminated - DTC P0172, P06DE and/or P0521 Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Envision	2020	2020	—	—	2.0L Turbo (RPO LTG)	—
	Regal						
Chevrolet	Camaro		2022				
	Equinox		2020				
	Malibu		2022				
GMC	Terrain	2021					

Involved Region or Country	North America, Middle East, Israel, Palestine, Argentina, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Japan, GM Korea Company, Thailand, Egypt, Other Africa
Condition	Some customers may comment that the MIL is illuminated. Technicians may find DTC P0172 (Fuel Trim System Rich) set in the engine control module (ECM). Technicians may also find DTC P06DE and/or P0521 set.
Cause	This condition may be caused by driving the vehicle in short intervals, allowing excessive fuel to collect in the crankcase.
Correction	Important: 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. P06DE and/or P0521 may or may not be set due to a fuel enriched engine oil condition. If fuel in the engine oil has been confirmed to be caused by frequent short trip operation, perform an oil change.

Service Procedure

If P0172 is caused by excessive fuel in the crankcase, the long term fuel trim should be a large negative number.

- Confirm the long term fuel trim is a large negative number (-18% to -30%)

If the MAF sensor is unplugged and the long term fuel trim does not move into a normal range of (-10% to +10%), then check crankcase oil level for being overfilled and having an excessive fuel odor.

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 the Service Manual.
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 the Electronic Parts Catalog (EPC).	1
N/A	OIL		As Required

Warranty Information

For vehicles repaired under the Powertrain coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Note: Warranty Coverage Code E applies to Labor Operation 4088368.

Labor Operation	Description	Labor Time
4088368*	Oil and Filter Change for DTC P0172 Set	0.3 hr
Add	Diagnose MIL and Clear Code	0.2 hr

*This is a unique Labor Operation for bulletin use only.

Version	1
Modified	Released March 11, 2022

