



Service Bulletin

Bulletin No.: 20-NA-151

Date: August, 2020

TECHNICAL

Subject: Engine Idle Unstable, Malfunction Indicator Lamp (MIL) Illuminated - DTC P0011, P0014, P0016, P0017, P05CC and/or P05CE Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Encore GX (VIN M)	2020	2020	—	—	1.3L (L3T)	—
Chevrolet	Trailblazer (VIN M)	2021	2021				

Involved Region or Country	North America
Condition	<p>Some customers may comment that the MIL is illuminated and engine RPM at idle is unstable.</p> <p>Some technicians may find one or more of the following DTCs set in the Engine Control Module:</p> <ul style="list-style-type: none">• P0011: Intake Camshaft Position System Performance• P0014: Exhaust Camshaft Position System Performance• P0016: Crankshaft Position - Intake Camshaft Position Not Plausible• P0017: Crankshaft Position - Exhaust Camshaft Position Not Plausible• P05CC: Cold Start Intake Camshaft Position System Performance• P05CE: Cold Start Exhaust Camshaft Position System Performance
Cause	<p>This condition may be caused by the camshaft position actuator valve solenoid bolt being stuck internally when the engine oil is hot.</p>
Correction	<p>Caution: When removing the camshaft cover, the camshaft position actuator magnet (intake/exhaust) should be removed in advance. If the camshaft cover is removed or installed with the actuator magnet installed, the protrusion of the camshaft position actuator valve solenoid bolt can be broken due to interference with the cover.</p> <p>Dealers are required to replace the intake and exhaust camshaft position actuator valve solenoid bolts.</p>

Service Procedure

Refer to *Camshaft Position Actuator Valve Solenoid Bolt Replacement* in SI.

Parts Information

Causal Part	Description	Part Number	Qty
X	BOLT-EXH. CM/SHF POSN ACTR VLV SOL	12703758	1
X	BOLT-INT. CM/SHF POSN ACTR VLV SOL	12698402	1
N/A	TUBE ASM-PCV FOUL AIR-L3T	12693663	1
N/A	SEAL-F/PMP HSG (O RING)-L3T	12645181	1
N/A	P/N - PIPE ASM-FUEL FEED INTER L3T	12664331	1
N/A	GASKET-EXH MANIF OTLT PIPE-L3T	12666899	1
N/A	SEAL-CM/SHF CVR-L3T	12670503	1
N/A	SEAL-CM/SHF CVR-L3T	12669132	1
N/A	SEAL-CM/SHF CVR-L3T	12671789	1
N/A	GASKET-CM/SHF POSN ACTR MAGNET-L3T	12698384	2
N/A	SEAL-SPLG SHLD-L3T	12613249	3

Causal Part	Description	Part Number	Qty
N/A	SENSOR ASM-CM/SHF POSN-L3T	12683500	2
N/A	GREASE, MULTI-PURPOSE DIELECTRIC SI ACDELCO 10Z-L3T, US	19260901 19260902 CA (29G)	1
N/A	COOLANT, ENGINE DEXCOOL CONC ACDELCO 1GAL-L3T, US	12346290 10953464 CA (3.78L)	1
N/A	OIL, ENG DEXOS1 GEN2 FULL SYN 5W30 ACDELCO 1QT-L3T, US	88865926 19353385 CA (1L)	1
N/A	SEAL - OIL LVL IND TUBE (O RING)	12670252	1

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4064240	Camshaft Position Actuator Valve Solenoid Bolt Replacement	Use Published Labor Operation Time

Version	1
Modified	Released July 28, 2020

