



Service Bulletin

PRELIMINARY INFORMATION

Subject: Intermittent Engine No Crank, Intermittent Exhaust Camshaft Position (CMP) Sensor Signal

Models: 2009-2011 Chevrolet Aveo
2011-2013 Chevrolet Cruze
2012-2013 Chevrolet Sonic
Equipped with 4 Cylinder Engine - RPO LUJ, LUV, LUW, LWE or LXV

Attention: The intake camshaft position (CMP) sensor WILL NOT cause this intermittent engine no crank condition. If the intake CMP sensor has a fault it will set a DTC.

Condition/Concern

Some customers may comment on an intermittent engine no crank.

They may also comment that if they cycle the ignition OFF and then back ON the engine may crank.

This condition may be caused by the engine control module (ECM) receiving an intermittent exhaust camshaft position (CMP) sensor signal as soon as the ignition is turned ON. This results in the ECM not sending a crank request signal because it has determined that the engine is already running.

Recommendation/Instructions

Notice: DO NOT replace the exhaust CMP sensor based solely on the description of this condition.

Perform the following actions:

1. Connect a scan tool to the vehicle.
2. Turn ON the ignition with the engine OFF.
3. Perform the Diagnostic System Check - Vehicle.
⇒ If any DTC is set, refer to Diagnostic Trouble Code (DTC) List – Vehicle in SI.

4. Select Engine Data.

Notice: The scan tool parameter name will vary depending on the vehicle.

5. With the ignition ON and the engine OFF, observe one of the following Active Counter parameters for incrementing:

Exh. CMP Active Counter

OR

Exhaust Camshaft Position Active Counter

⇒ If the Active Counter parameter is incrementing, replace the exhaust CMP sensor. Refer to SI.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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