



Service Bulletin

Bulletin No.: 19-NA-127

Date: June, 2019

INFORMATION

Subject: Check Engine Light Illuminated with DTC's P0106, P0046, P20EE, P249D, and/or P249E Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Colorado	2019	2019			LWN	All
GMC	Canyon	2019	2019				

Involved Region or Country	North America, N.A. Export Regions
Additional Options (RPOs)	
Condition	<p>Some customers may comment on a check engine light on the Driver Information Center (DIC) illuminated.</p> <p>Some technicians may find one or more of the following DTCs set in the Engine Control Module (ECM):</p> <ul style="list-style-type: none"> • P0106: Manifold Absolute Pressure (MAP) Sensor Performance • P0046: Turbocharger Boost Control Position Performance • P20EE: NOx Catalyst Efficiency Below Threshold • P249D: Closed Loop Reductant Injection Control At Limit - Flow Too Low • P249E: Closed Loop Reductant Injection Control At Limit - Flow Too High
Cause	The cause of the condition may be an ECM software anomaly.
Correction	<p>Important: For vehicles registered in Canada, please see field action N192220100.</p> <p>Check the Engine Control Module (ECM) for the latest update:</p> <ul style="list-style-type: none"> • If the software version is not the latest update, reprogram the ECM following the Service Procedure below. • If the ECM has already been updated, continue with SI diagnostics for the codes set in the ECM.

Service Procedure

If programming the ECM then refer to *K20 Engine Control Module: Programming and Setup* in SI.

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 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

Parts Information

No parts are required for this repair.

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.

Labor Operation	Description	Labor Time
*2886308	Engine Control Module Reprogramming with SPS	0.3
<p>*This is a unique Labor Operation for Bulletin use only.</p> <p>*To avoid warranty transaction rejections, the SPS Warranty Claim Code must be entered when submitting this transaction. When more than one Warranty Claim Code is generated for a control module programming event, it is required to document all Warranty Claim Codes in the Correction field on the Job Card. Dealers must only enter one code in the "SPS Warranty Claim Code" field on the transaction, otherwise the transaction will reject.</p>		

Warranty Claim Code Information Retrieval

If the SPS Warranty Claim Code was not recorded on the Job Card, the code can be retrieved in the SPS system as follows:

- Open TIS on the computer used to program the vehicle.
- Select and start SPS.
- Select Settings.
- Select the Warranty Claim Code tab.

The VIN, Warranty Claim Code and Date/Time will be listed on a roster of recent programming events. If the code is retrievable, dealers should resubmit the transaction making sure to include the code in the SPS Warranty Claim Code field.

Version	1
Modified	Released June 11, 2019

