



Service Bulletin

Bulletin No.: 25-NA-025

Date: February, 2025

TECHNICAL

Subject: Malfunction Indicator Lamp (MIL) Illuminated - DTCs P0690, P16B3, and/or P2420 Set

Brand:	Model:	Model Year:		Build Date:		Engine:	Transmission:
		from	to	from	to		
Buick	Encore GX	2025	2026			LBP	
	Envista						
Chevrolet	Trailblazer						
	Trax						

Involved Region or Country	North America
Condition	<p>Some customers may comment that the MIL is illuminated.</p> <p>Note: A software issue may cause the DTCs noted below to incorrectly set and illuminate the MIL in the ECM.</p> <p>Some technicians may find one or more of the following DTCs set in the ECM:</p> <ul style="list-style-type: none"> • P0690: Engine Controls Ignition Relay Feedback Circuit High Voltage • P16B3: Engine Controls Ignition Relay Feedback Circuit 2 High Voltage <p>Some technicians may also find P2420 (Evaporative Emission System Vacuum Leak Pump module switching valve shorted to battery) set in History in the ECM.</p>
Cause	This condition may be caused by a short to power in the wiring or connectors to the Evaporative Emission System Vacuum Leak Pump.
Correction	<p>Check wiring and connectors to the Evaporative Emission System Vacuum Leak Pump for continuity and shorts and repair/replace wiring issues.</p> <p>⇒ If no wiring issues are found, then replace the Evaporative Emission System Vacuum Leak Detection Pump.</p>

Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

Service Procedure

Refer to *Wire to Wire Repair in SI*.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
5430902	Wire-to-Wire Repair	Use the Published Labor Operations Time
4027810	Evaporative Emission System Vacuum Leak Detection Pump Replacement	

Version	1
Modified	Released February 18, 2025

