



Service Bulletin


Bulletin No.: 22-NA-079

Date: April, 2023

TECHNICAL

Subject: Poor Engine Performance in Extremely Cold Weather Conditions for LSY Engines, Charge Air Cooler Icing, Malfunction Indicator Lamp (MIL) Illuminated with P0299

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Envision	2021	2023			LSY	

Involved Region or Country	North America
Additional Options (RPOs)	Equipped with LSY Engines only
Condition	<p>Some customers may comment on one or more of the following conditions when driving in extremely cold weather conditions (-18°C or less / 0°F or less):</p> <ul style="list-style-type: none"> • Loss of power • Hesitation on acceleration • Stalling condition • Malfunction Indicator Lamp illuminated P0299
Cause	This condition may be caused by ice accumulation in the charge air cooler (CAC), restricting air flow.
Correction	 <p style="text-align: right; margin-top: 10px;">6029252</p>

A winter grille cover has been released to address this issue.

Service Procedure

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.

Instructions for installation are included with the grille cover.

The cover can be installed by the technician initially but the technician needs to educate the customer on the removal process after the winter season ends and how the customer will reinstall the cover the following winter season.

One time installation of the winter grille cover is covered under warranty. This can be installed and charged to the unique labor operation code provided in this bulletin.

Important: The winter grille cover should be installed in extreme cold weather and removed when the winter season changes.

Important: Additional covers and repeat installation are customer pay.

Important: Refer to #PIP5540J: Diagnostic Tip: Poor Engine Performance Or CEL On In Cold Ambient Temperatures On Vehicles Equipped With Turbocharged Gasoline Engines May Set One Or More Of The Following DTCs P0299 P2227 for additional service information on cleaning the CAC prior to winter grille cover installation.

Note: Clean the surface before installing the winter grille cover.

Parts Information

Causal Part	Description	Part Number	Qty
X	COVER PKG-FRT GRL OPG	85513002	1

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
2086448*	One Time Installation of Grille Cover	0.2 hr
*This is a unique Labor Operation for Bulletin use only.		

Version	2
Modified	Release April 06, 2022 Revised April 13, 2023 — Added the 2023 Model Year and Important Statement.

