



Service Bulletin

Bulletin No.: 23-NA-171

Date: May, 2024

INFORMATION

Subject: Camshaft Position Learned Values Reset Not Available – ECM Replacement Required

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Corvette	2023	2023	—	—	5.5L (LT6)	—

Involved Region or Country	United States, Canada, Europe, Middle East, Australia/New Zealand
Condition	Technicians may find that for the 2023 Corvette engine RPO LT6, the Camshaft Position Learned Values Reset function is not compatible with the current ECM base software. - This reset function is used to reset the camshaft position adaptation values in the event of a mechanical timing or sensing component replacement.
Cause	This condition may be caused by the ECM base software not being compatible with the Camshaft Position Learned Values Reset function.
Correction	Any time one of the following components is replaced, the ECM must also be replaced in order to perform the “Camshaft Position Learned Values Reset” function. This procedure is required when the following component has been repaired, replaced, removed, or serviced: <ul style="list-style-type: none"> • B23 Camshaft Position Sensor • B26 Crankshaft Position Sensor • Any repair that disturbs the alignment between the components: Camshaft & Crankshaft • Camshaft • Camshaft Sprocket • Crankshaft • Engine Assembly • Timing Chain

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 *Engine Control Module Replacement* in SI.

Parts Information

Causal Part	Description	Part Number	Qty
X	Engine Control Module	12721177	1

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
4089158*	Engine Control Module Replacement	1.5 hrs
*This is a unique Labor Operation for bulletin use only.		

Version	2
Modified	Released September 26, 2023 Revised May 20, 2024 – Changed the Engine Control Module Part Number from 12731739 to 12721177.

