



Preliminary Information

PIP5432B eAssist (BAS3 HYBRID) Generator Control Module (GCM) Part Restriction

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado	2016 - 2018	All	All	5.3L (L8B)	All
GMC	Sierra	2016 - 2018	All	All	5.3L (L8B)	All
Buick	LaCrosse	2018	All	All	2.5L (LHN)	All
Involved Region or Country:		North America				
Condition:		Part Restriction				
Cause:		New product, Engineering is reviewing these cases.				

As part of our ongoing quality improvement process, effective May 30, 2016 the for the K59, Generator Control Module (GCM) for the 2016-2017 Silverado and Sierra with eAssist are being placed on restriction through the General Motors Technical Assistance Center (TAC).

IMPORTANT: DO NOT ATTEMPT TO REPROGRAM SOFTWARE OR CLEAR ANY DTCs PRIOR TO CAPTURING DATA AND CALLING TAC

Prior to calling TAC, please, completely follow diagnosis guidelines and obtain all required information as provided in the Recommendation/Instructions portion of this PI. This will minimize the time spent on the telephone and prevent the need for multiple calls to TAC. Guidelines for honoring this exchange program are being strictly enforced. To obtain a replacement part, the servicing eAssist technician must provide TAC with a detailed customer complaint, conditions, diagnostic trouble codes (DTCs), Freeze Frame/Failure Records and other useful information as outlined below

DANGER: Always perform the High Voltage Disabling procedure prior to servicing any High Voltage component or connection. Personal Protection Equipment (PPE) and proper procedures must be followed.

The High Voltage Disabling procedure will perform the following tasks:

- Identify how to disable high voltage.
- Identify how to test for the presence of high voltage.
- Identify condition under which high voltage is always present and personal protection equipment (PPE) and proper procedures must be followed.

Before working on any high voltage system, be sure to wear the following Personal Protection Equipment:

- Safety glasses with appropriate side shields when within 15 meters (50 feet) of the vehicle, either indoors or outdoors.
- Certified and up-to-date Class "0" Insulation gloves rated at 1000V with leather protectors.
- Visually and functionally inspect the gloves before use.
- Wear the Insulation gloves with leather protectors at all times when working with the high voltage battery assembly, whether the system is energized or not.

DANGER: Ensure all High Voltage safety procedures are followed. Failure to follow the procedures exactly as written may result in serious injury or death. Have an eAssist trained hybrid technician follow the diagnostic procedures below prior to contacting TAC.

- 1) If DTCs are present and procedure gives direction to remove internal components; STOP, record Freeze Frame/Failure Record stored data, view vehicle wide DTCs and Module ID information with GDS2. Any data reviewed will be included in your GDS2 Session Log. If possible, test drive vehicle with GDS2 and MDI connected to capture data from the Hybrid Powertrain Control Module (HPCM) and Hybrid Powertrain Control Module 2 (HPCM2) voltage menus, including any other menus as needed, when condition occurs. See the latest version of [PIP4902](#) for instructions on GDS2 data collection and how to email the log to TAC. TAC may request that you email the Session Log to them.
- 2) If DTCs are not present, refer to Hybrid/EV Controls - Symptoms - Hybrid Controls in G.S.I.
- 3) If any diagnostic procedure gives direction to remove internal components, stop and call TAC, internal components should not be removed at this time.
- 4) Upon review of the diagnosis, TAC will establish a case reference number.

Parts Information

Description:	Part Number:	Models:
K59, Starter/Generator Control Module (SGCM)	24290529	Silverado and Sierra
K59, Starter/Generator Control Module (SGCM)	24286663 FSU 24290531	LaCrosse

Warranty Information

Labor Operation:	Description:	Labor Time:
5010210	Generator Control Module Replacement	Use Published Labor Operation Time

Version History

Version	3
Modified	Created on 10/7/2016 Updated to include Buick LaCrosse on 4/10/2018 Updated Part Number to 24290529 on 5/17/2018



© 2016 General Motors. All Rights Reserved.