



Service Bulletin

PRELIMINARY INFORMATION

Subject: Drive Motor Generator Control Module (PIM) Part Restriction

Models: 2009-2013 Cadillac Escalade
2009-2013 Chevrolet Silverado
2008-2013 Chevrolet Tahoe
2009-2013 GMC Sierra
2008-2013 GMC Yukon
Equipped With Two-Mode Hybrid System (RPO HP2)

This PI was superseded to update Part Restriction. Please discard PIT4539S.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

As part of our ongoing quality improvement process, effective November 12th, 2008 the (Drive Motor Generator Control Module, also known as PIM) for the 2-Mode Hybrid Utilities and Trucks are being placed on restriction through the GM TAC (Technical Assistance Center).

Parts on restriction are

2008-2009 Full Size Trucks and Utilities Drive Motor Generator Control Module (PIM)

2010-2013 Full Size Trucks and Utilities Drive Motor Generator Control Module (PIM)

Note: the part is being ordered for a non-warrantable concern (i.e. collision, theft, fire...etc) proceed directly to step 5 below (Valid VIN and proof of ownership required).

Recommendation/Instructions

1. Please have a trained 2-Mode Hybrid technician follow the procedures below prior to contacting TAC.
Note: Do NOT erase DTC's in any of the modules! (Especially on intermittent concerns.) Save the Freeze Frame / Failure Records PRIOR to replacement or reprogramming any module.
2. Please complete the customer questionnaire at the bottom of this document with as much information as possible and as accurately as possible so that it can be e-mailed to TAC.
3. Check and record all diagnostic codes in all modules on the vehicle. The DTC's should be checked by using the following path in the Tech 2.
a) Build Make and Model and Select Hybrid / Vehicle Control System / Select Engine Size / Vehicle DTC Information / DTC Display
4. Be sure to record what module the DTC came from and any symptom codes associated with the DTCs.
Note: See latest version of bulletin 07-07-30-010 for Procedure to Take Snapshot Data with a Tech 2 and Upload Data to a Computer Using TIS Software.
5. If DTC's are set in any of the modules below, please save the captured data for later use. Access the module that has the DTC's listed and use the following path to locate the captured data:
Diagnostic Trouble Codes/Additional DTC
Information/Store Information/ Refresh Capture Information
Accessory Power Module
Battery Energy Control Module

Engine Control Module
 Fuel Pump Control Module
 Hybrid Control Module
 Motor Control Module 1 & 2
 Transmission Control Module

6. Once the above information has been obtained, please review P.I and TSB information, as well as any relevant S.I. Diagnostics available.
7. If diagnostics lead to TPIM replacement, contact TAC @ 877-446-8227 (U.S.) or in Canada 1-800-263-7740 (English) or 1-800-263-7960 (French) to review case details.

Note: Please have as much stored DTC and snapshot information as possible prior to contacting TAC.

8. After reviewing the diagnosis, if component replacement is needed, TAC will arrange for ordering of the new component.

Note: If the PIM will be replaced, the dealer will be required to order a new seal kit GM P/N: 19207978. The seal kit contains a seal that goes between the APM and the PIM to properly seal the APM to the PIM.

Parts Information

MODEL YEAR	PART NAME (COMPONENT CODE)	PART NUMBER
2008 - 2009	Drive Motor Generator Power Inverter Module (T6) *	12647259
2010 - 2013	Drive Motor Generator Power Inverter Module (T6) *	12645548
All	* Use SPS Sequential Programming (SEQ)	See Labor Table

Warranty Information

For vehicles repaired under warranty use:

MODEL YEAR	LABOR CODE DESCRIPTION	GLOBAL LABOR CODE	LABOR TIME
2008 - 2013	Drive Motor Generator Control Module Assembly Replacement	5010160	See Published Labor Time
All	Drive Motor Generator Power Inverter Module Reprogramming with SPS	2810295	0.4
	* (Use SPS Sequential Programming -SEQ)		

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION