

GLOBAL SAFETY FIELD INVESTIGATIONS
DCS5038
URGENT - DISTRIBUTE IMMEDIATELY

Date: June 26, 2019

Subject: N192210460-01 – Service Update
eBoost Control Module Software False Detection with DTC Associated
Revised Labor Times and Service Procedure

Models: 2019 Cadillac CT6 w/ LSY or LTA motors
2019 Chevrolet Silverado 1500 (New Model)
2019 GMC Sierra 1500 (New Model)

To: All General Motors Dealers

This bulletin has updates to the labor time table and the service procedure.
Please discard all previous copies of bulletin N192210460.

END OF MESSAGE
GLOBAL SAFETY FIELD INVESTIGATIONS

Service Update

N192210460 eBoost Control Module Software False Detection with DTC Associated



Release Date: June 2019

Revision: 01

Revision Description: This bulletin has updates to the labor time table and the service procedure. Please discard all previous copies of bulletin N192210460.

Attention: This service update includes vehicles in dealer inventory and customer vehicles that return to the dealership for any reason. This bulletin will expire at the end of the involved vehicle's New Vehicle Limited Warranty period.

Make	Model	Model Year		RPO	Description
		From	To		
Cadillac	CT6	2019	2019	LSY LTA	2.0L TURBO 4.2L TWIN TURBO
Chevrolet	Silverado 1500 (New Model)	2019	2019		
GMC	Sierra 1500 (New Model)	2019	2019		

Involved vehicles are marked "open" on the Investigate Vehicle History screen in GM Global Warranty Management system. This site should always be checked to confirm vehicle involvement prior to beginning any required inspections and/or repairs.

Condition	Certain 2019 Cadillac CT6 equipped with engine RPO's LSY or LTA, Chevrolet Silverado 1500 (New Model), and GMC Sierra 1500 (New Model) vehicles have a condition where the brake system control module (BSCM) may cause a service brake assist message to appear on the driver's information center (DIC), and a service engine soon light to illuminate on the dashboard. This may cause the brake pedal feel to be different. The pedal travel will increase for normal/light braking applies. This is caused by a software issue where the motor position sensors do not correlate.
Correction	Dealers will reflash the BSCM with updated software.

Parts

No parts are required for this repair.

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9104166*	Brake System Control Module (BSCM) Reprogramming with SPS Add: Capture and Record BSCM DTCs on the Repair Order	0.3 0.1**	ZFAT	N/A
9104341*	Verified Module Software or Calibration Level: Module Programmed with Same Level Software or Calibration. Add: Capture and Record BSCM DTCs on the Repair Order	0.2 0.1**		

* To avoid warranty transaction rejections, the SPS Warranty Claim Code must be entered when submitting this transaction. When more than one Warranty Claim Code is generated for a control module programming event, it is required to document all Warranty Claim Codes in the Correction field on the Job Card. Dealers must only enter one code in the "SPS Warranty Claim Code" field on the transaction, otherwise the transaction will reject.

** Add time is applicable **only** when the dealer visit is to diagnose and repair BSCM-related issues.

Warranty Claim Code Information Retrieval

If the SPS Warranty Claim Code was not recorded on the Job Card, the code can be retrieved in the SPS system as follows:

- Open TIS on the computer used to program the vehicle
- Select and start SPS
- Select Settings
- Select the Warranty Claim Code tab

The VIN, Warranty Claim Code and Date/Time will be listed on a roster of recent programming events. If the code is retrievable, dealers should resubmit the transaction making sure to include the code in the SPS Warranty Claim Code field.

Service Update

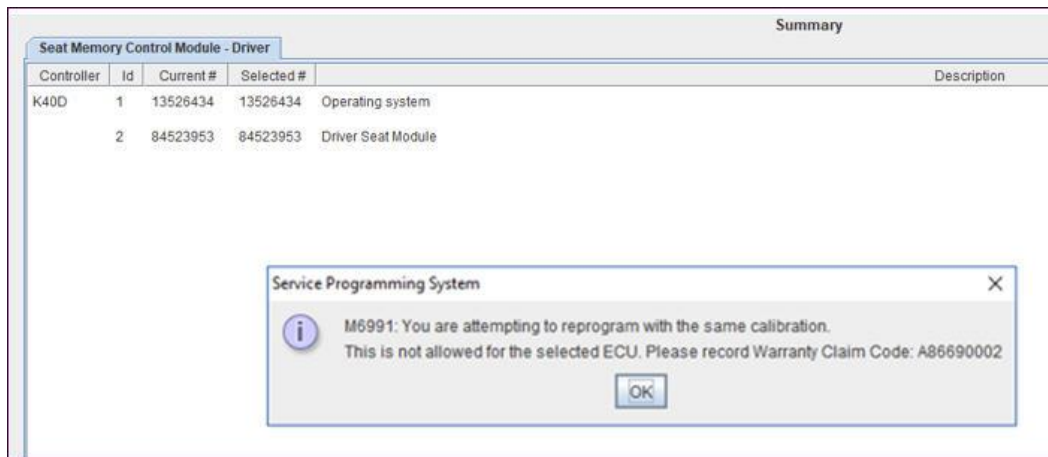
N192210460 eBoost Control Module Software False Detection with DTC Associated



Service Procedure

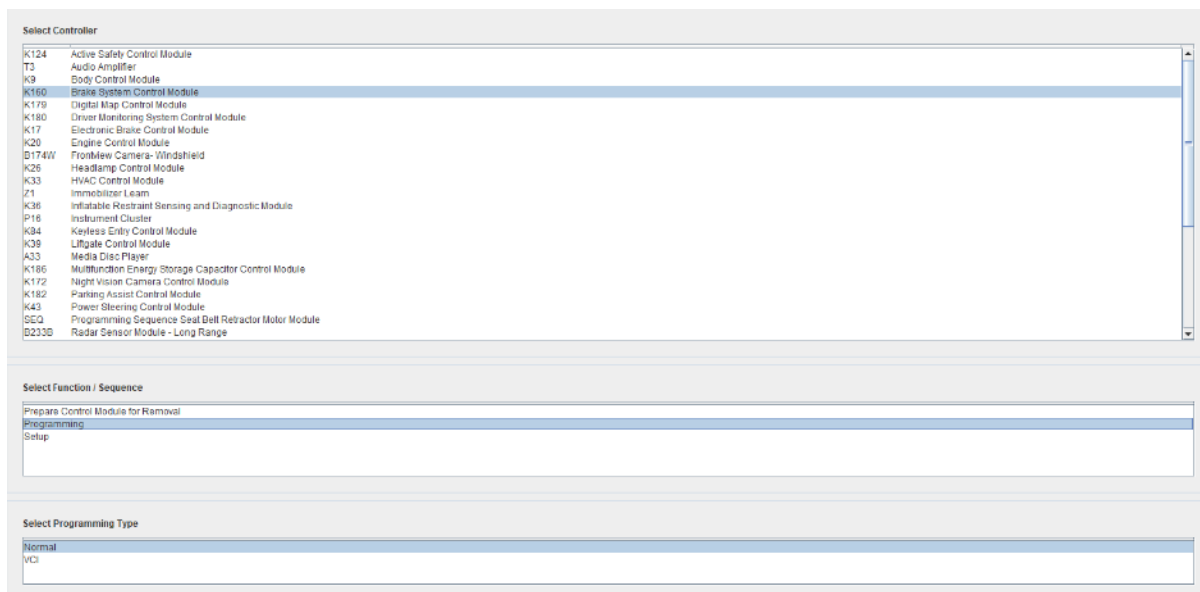
Note: Carefully read and follow the instructions below.

- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or control module damage may occur.
- Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. Install a GM Authorized Programming Support Tool to maintain system voltage. Refer to www.gmdesolutions.com for further information. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.
- Turn OFF or disable systems that may put a load on the vehicles battery such as; interior lights, exterior lights (including daytime running lights), HVAC, radio, etc.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.



5164840

Note: If the Same Calibration/Software Warning is noted on the SPS Summary screen, record the warranty claim code (WCC) and select OK and follow screen instructions. After a successful programming event, the WCC is located in the Service Programming System dialogue box of the SPS Summary screen. No further action is required. Refer to the Warranty section of the bulletin.



5263446

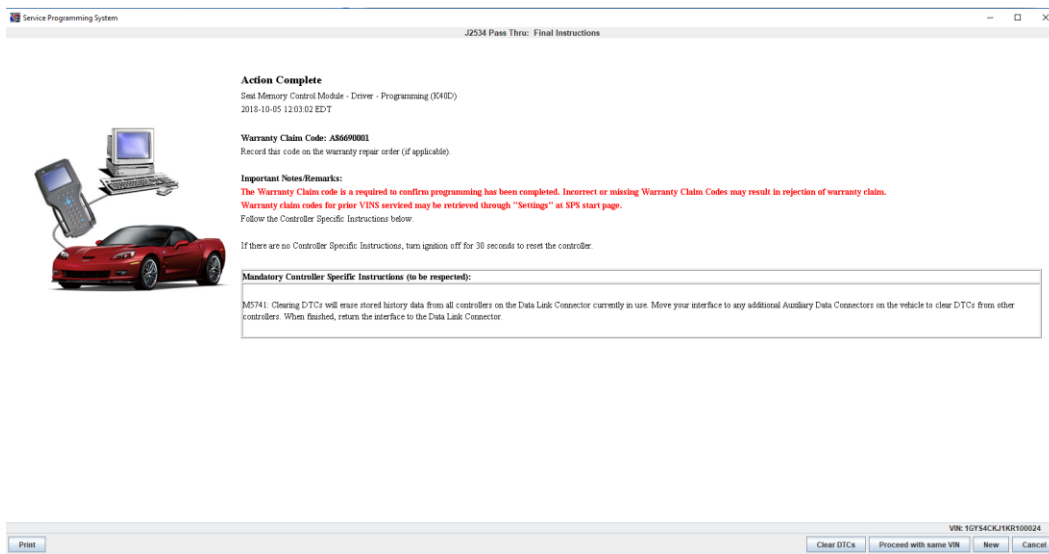
Service Update

N192210460 eBoost Control Module Software False Detection with DTC Associated



Note: If the purpose of the dealer visit is to diagnose and repair potential BSCM issues, it is essential to capture diagnostic trouble codes (DTCs) using a scan tool. Record all vehicle DTCs (current & history) on the repair order. If codes cannot be read, then a TAC case is to be opened to alert GM Engineering, so that Engineering can pull codes remotely and provide guidance for next steps. Any DTCs with the exception of DTC C058E must be diagnosed and repaired under warranty or goodwill assistance prior to performing this field action.

1. Using GDS2, check the vehicle for DTCs **only if** the purpose of the dealer visit is to diagnose a potential Brake System Control Module issue, or if the vehicle has any service lights illuminated.
2. Capture and record DTC information BEFORE programming the module. Any DTC (except for C058E) must be diagnosed and repaired under warranty or goodwill assistance prior to performing this field action.
3. Reprogram the K160 Brake System Control Module (BSCM). Refer to *K160 Brake System Control Module Programming and Setup* in SI.



5164843

4. Record SPS Warranty Claim Code on job card for warranty transaction submission.

Dealer Responsibility

Whenever a vehicle subject to this service update enters your vehicle inventory, or is in your facility for service in the future, and the vehicle is still covered under the New Vehicle Limited Warranty, you must take the steps necessary to be sure the service update correction has been made before selling or releasing the vehicle.

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this bulletin must be held and inspected/repared per the service procedure of this bulletin before customers take possession of these vehicles. Involved vehicles must be held and not delivered to customers, dealer-traded, released to auction, used for demonstration, or any other purpose.

All GM Certified Used vehicles currently in the dealers' inventory within the Certified Pre-Owned Inventory System (CPOIS) will be de-certified and must be held and remedied per the service procedure in this bulletin. Upon submitting an accepted/paid warranty transaction in the Global Warranty Management (GWM) system, the vehicle can be re-certified for sale within the CPOIS system, or once again be used in the CTP program.

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 tools, equipment, 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 dealer for information on whether your vehicle may benefit from the information.



**We Support
Voluntary Technician
Certification**