# GLOBAL SAFETY FIELD INVESTIGATIONS DCS5743 URGENT - DISTRIBUTE IMMEDIATELY

Date: April 7, 2021

Subject: N212331790 - Service Update

NOx Sensor False Failure

Models: 2021 Chevrolet Silverado 2500/3500 HD

2021 GMC Sierra 2500/3500 HD

Equipped with 6.6L, 8-Cylinder Diesel Engine (RPO L5P)

To: All General Motors Dealers

General Motors is releasing Service Update N212331790 today. The total number of U.S. vehicles involved is approximately 29,707. Please see the attached bulletin for details.

## **Global Warranty Management (GWM)**

The Required Field Action section on the Investigate Vehicle History (IVH) screen will be updated April 8, 2021 or sooner. A list of involved vehicles in dealer new inventory is attached to this message. Please hold all warranty transactions until IVH has been updated.

END OF MESSAGE GLOBAL SAFETY FIELD INVESTIGATIONS

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Release Date: April 2021 Revision: 00

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.

		Mode	Model Year				
Make	Model	From	То	RPO	Description		
Chevrolet	Silverado 2500/3500 HD	2024	2024	LED	C.C. O culindor diagol angino		
GMC	Sierra 2500/3500 HD	2021	2021	L5P	6.6L, 8-cylinder diesel engine		

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.

	Certain 2021 model year Chevrolet Silverado HD and GMC Sierra HD may incorrectly present the				
	MIL/Service Engine Soon Light being illuminated and technicians may find DTC P11D5.				
Correction	Dealers are to reprogram the engine control module. This correction applies to vehicles registered in				
	cold weather US states and Canadian Provinces.				

#### **Parts**

No parts are required for this repair.

#### **Warranty Information**

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9105409*	Verified Module Software or Calibration Level: Engine Control	0.2		
	Module Is Programmed with Same Level Software or Calibration		ZFAT	N/A
9105410*	Engine Control Module Reprogramming with SPS			

Important: \* To avoid warranty transaction rejections, carefully read and follow the instructions below:

- The Warranty Claim Code must be accurately entered in the "Warranty Claim Code" field of the transaction.
- When more than one Warranty Claim Code is generated for a programming event, it is required to document all Warranty Claim Codes in the "Correction" field on the job card. Dealers must also enter one of the codes in the "Warranty Claim Code field of the transaction, otherwise the transaction will reject. It is best practice to enter the FINAL code provided by SPS/SPS2.

#### **Warranty Claim Code Information Retrieval**

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

- Open TIS/TLC on the computer used to program the vehicle.
- 2. Select and start SPS/SPS2.
- Select Settings.
- 4. 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 Procedure

**Caution:** Before downloading the update files, be sure the computer is connected to the internet through a network cable (hardwired). DO NOT DOWNLOAD or install the files wirelessly. If there is an interruption during programming, programming failure or control module damage may occur.

Note: Carefully read and follow the instructions below.

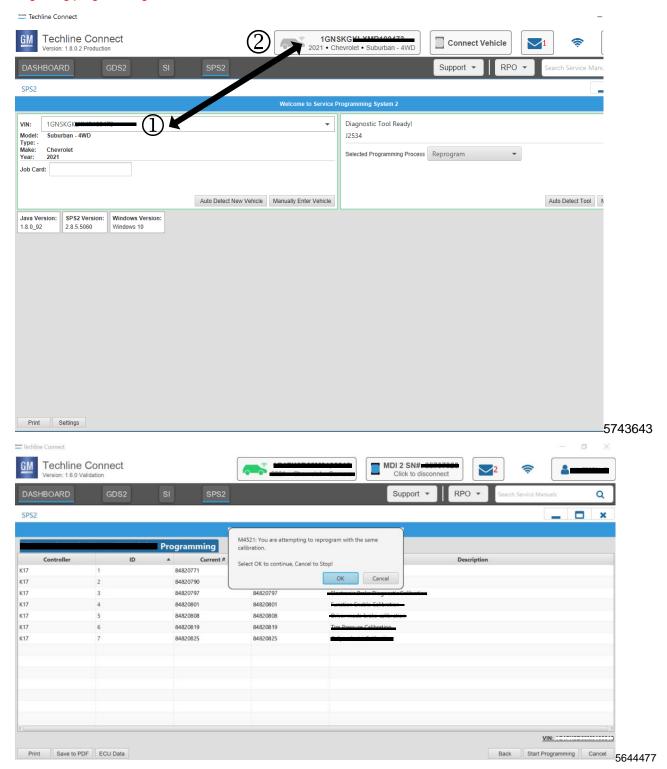
- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or control module damage may occur.
- Stable battery voltage is critical during programming. Any fluctuation, spiking, 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.

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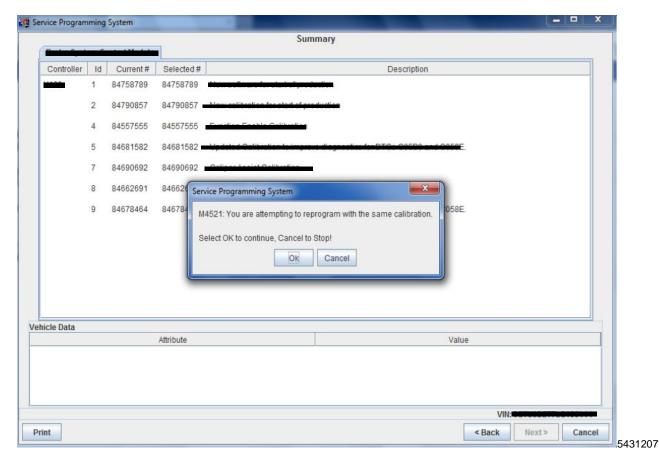
- Turn OFF or disable systems that may put a load on the vehicles battery such as; interior lights, exterior lights (including daytime running lights), HVAC, etc.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.

**Caution:** Be sure the VIN selected in the drop down menu (1) is the same as the vehicle connected (2) before beginning programming.



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Important: Techline Connect and TIS2WEB screens shown above.

**Important:** If the same calibration/software warning is noted on the TLC or SPS Summary screen, 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.

**Important:** When programming a module in GM's new Vehicle Intelligence Platform, or VIP, the power mode (ignition) needs to be off or errors may occur. This involves the 2020 Chevrolet Corvette, Cadillac CT5 and CT4, full-size Chevrolet, GMC, Cadillac SUVs and Buick Envision. Serial Data Message Authentication also needs to have the ignition off.

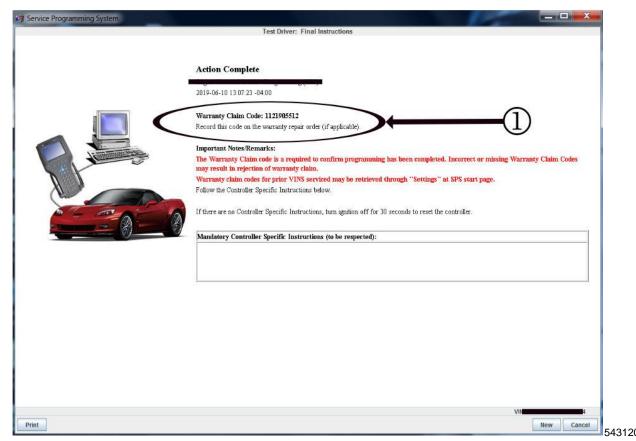
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1. Reprogram the Engine Control Module. Refer to K20 Engine Control Module: Programming and Setup in SI.



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**Note:** The screenshots above are an example of module programming and may not be indicative of the specific module that is being programmed. Module selection and VIN information have been blacked out.

**Important:** To avoid warranty transaction rejections, you MUST record the warranty claim code provided on the Warranty Claim Code (WCC) screen shown above on the job card. Refer to callout 1 above for the location of the WCC on the screen.

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

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#### **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 <u>must</u> be held and inspected/repaired per the service procedure of this bulletin <u>before</u> 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.

#### **Dealer Reports**

The Inventory tab of the Open Vehicle Report will contain Service Update Bulletin VINs that apply to this field action. This information is intended to assist dealers with the **PROMPT COMPLETION** of these vehicles. The Customer In-Service tab will not contain Service Update Bulletin VIN data because the intent of a Service Update Bulletin is to not inconvenience a customer with a special trip for service. Service Update Bulletins are to be completed when the customer is in for a regularly scheduled visit.