

GLOBAL SAFETY FIELD INVESTIGATIONS
DCS4905
URGENT - DISTRIBUTE IMMEDIATELY

Date: November 14, 2018

Subject: N182179090 Service Update
Fuel Injector Calibration Update

Models: 2018 Chevrolet Silverado HD
2018 GMC Sierra HD
Equipped with Duramax Diesel Engine (RPO L5P)

To: All General Motors Dealers

General Motors is releasing Service Update N182179090 today. The total number of U.S. vehicles involved is approximately 40,085. Please see the attached bulletin for details.

Global Warranty Management (GWM)

The Investigate Vehicle History (IVH) screen in the GWM system will be updated November 14, 2018. 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

Service Update

N182179090 Fuel Injector Calibration Update



Release Date: November 2018

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.

Make	Model	Model Year		RPO	Description
		From	To		
Chevrolet	Silverado HD	2018	2018	L5P	Engine - Diesel, 8 Cyl, 6.6L, DI, V8, Turbo, Duramax, Gen 5, Var. 1
GMC	Sierra HD				

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 2018 model year Chevrolet Silverado HD and GMC Sierra HD vehicles may have one or multiple DTCs that are incorrectly illuminating the service engine soon (SES) light. Hardware including fuel injectors and exhaust gas recirculation (EGR) valves may have been used to fix this issue, however, the condition could return after these repairs were made. There is no effect for vehicle performance.
Correction	Reprogram the engine control module (ECM).

Parts

No parts are required for this repair.

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9103989 *	Engine Control Module Reprogramming with SPS Fuel Injection Small Quantity with Data Reset	0.4	ZFAT	N/A
9104150 **	Module Programming Not Required	0.2	ZFAT	N/A

* To avoid warranty transaction rejections, the SPS Warranty Claim Code(s) must be entered when submitting this transaction. Note that if multiple modules are reprogrammed, all claim codes must be entered with a comma separating each code.

** SPS Warranty Claim Code is NOT required when submitting this transaction.

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. When required install a GM Authorized Programming Support Tool to maintain system voltage. Refer <https://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.

Caution: If the Same Calibration/Software Warning is noted on the SPS Controller screen, do NOT attempt to program the module. No further action is required. Refer to the Warranty section of the bulletin and use labor operation code 9104150, Module Programming Not Required.

Important: In Investigate Vehicle History (IVH), verify that recall #17337 has been completed before proceeding with this ECM update.

Important: On the SPS controller screen, select K20/K71 Engine and Transmission Control Modules. This will only update the ECM and skip the TCM reprogramming. DO NOT SELECT K20 Engine Control Module.

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1. Reprogram the ECM. On the SPS controller screen, select K20/K71 Engine and Transmission Control Modules. This will only update the ECM and skip the TCM reprogramming. DO NOT SELECT K20 Engine Control Module. Follow on screen instructions.
2. Using GDS2, select:
 - 2.1. "Module Diagnostics"
 - 2.2. "[K20] Engine Control Module"
 - 2.3. "Configuration/Reset Functions"
 - 2.4. "Reset Functions"
 - 2.5. "Fuel Injection Small Quantity Data Reset"
3. 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.

