Service Bulletin

Bulletin No.: 25-NA-104
Date: May, 2025

TECHNICAL

Subject: DTC P175E Calibration Update - Reprogram Transmission Control Module (TCM) and/or Complete Transmission Fast Learn

Brand:	Model:	Model Year:		Break Point:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	3500 HG/4500 HG Low Cab Forward	2025	2025	SOP	December 13, 2024	6.8L (RPO L8T)	8L90
	5500 HG/5500 XG Low Cab Forward	2025	2025				

Involved Region or Country	North America
Condition	Some customers may comment on the Check Engine Malfunction Indicator Light (MIL) being illuminated.
Cause	The cause of the condition may be software anomalies.
Correction	An updated TCM calibration correcting this concern is now available. Additionally, the Transmission Fast Learn must be completed after the TCM calibration is completed. Reprogram the TCM with a corrected service calibration and perform the Transmission Fast Learn. Follow the service procedure below to update the TCM calibration and perform the Transmission Fast Learn as required.

Service Procedure

Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

Important: This technical service bulletin (TSB) can only be completed by certified repair facilities who have met all specific training, tool, and equipment requirements pertaining to the vehicle Brand and Model serviced. Repairs must be performed by a technician who has successfully completed the required training.

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.

- 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.
- Follow the on-screen prompts regarding ignition power mode but ensure that anything that drains excessive power (exterior lights, HVAC blower motor, etc) is off.
- Please verify that the radio time and date are set correctly before inserting USB drive into vehicle for programming; otherwise, an error will result. .

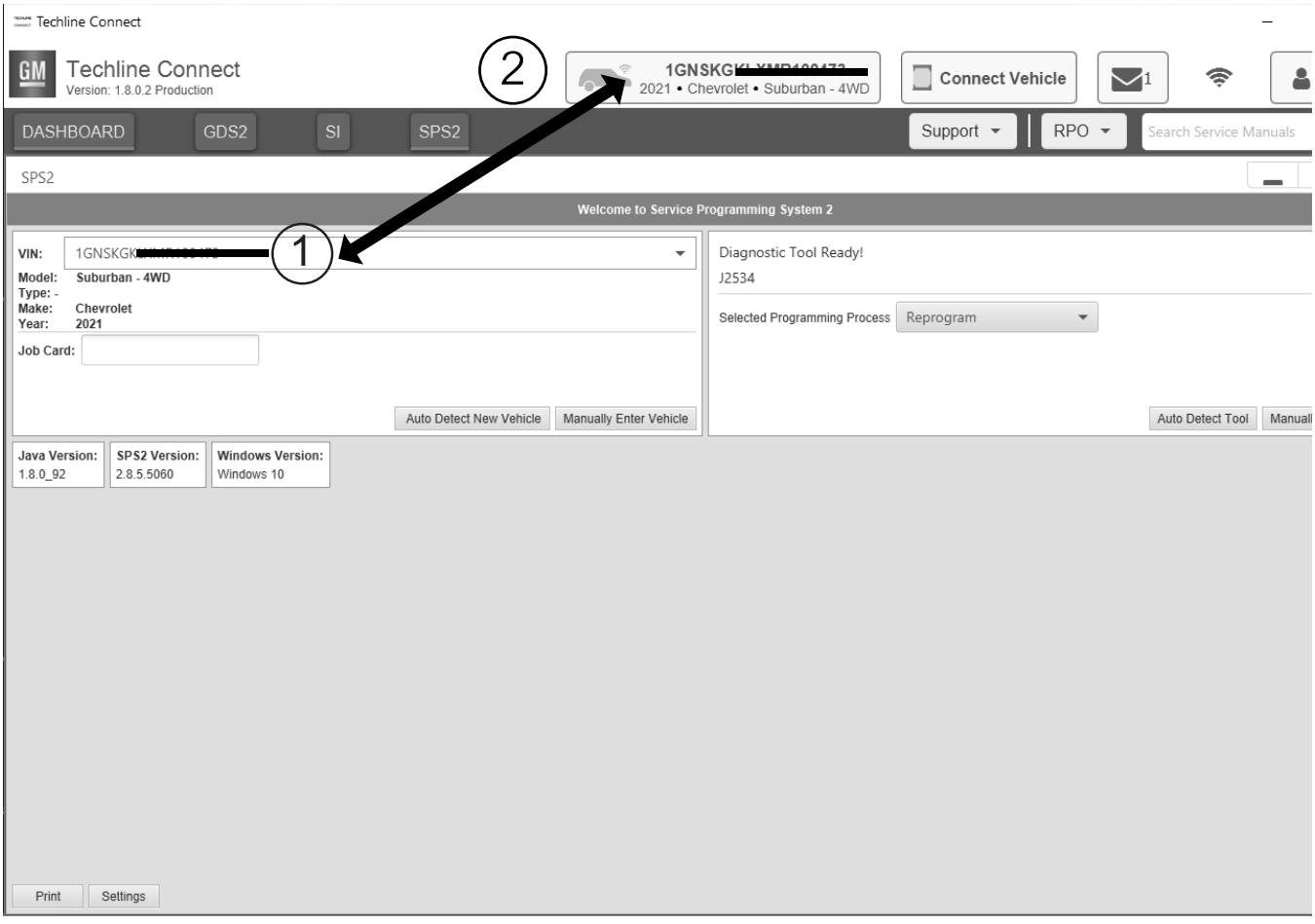
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- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.

Important: The service technician always needs to verify that the VIN displayed in the TLC left side drop down menu and the top center window match the VIN plate of the vehicle to be programmed prior to using Service Programming System 2 (SPS2) for programming or reprogramming a module.

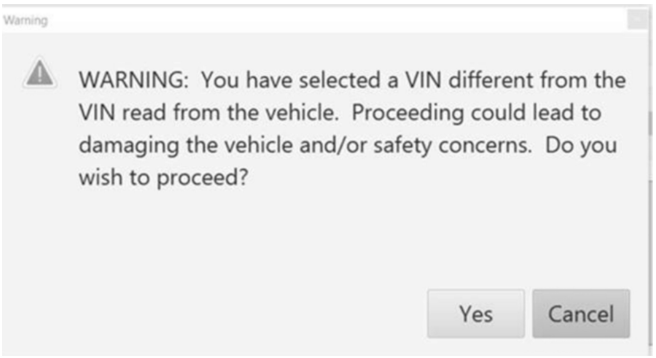
- For the TLC application, service technicians need to always ensure that the power mode (ignition) is “ON” before reading the VIN from the vehicle’s VIN master module and that they do not select a VIN that is already in the TLC application memory from a previous vehicle.
- If the VIN that shows up in the TLC top center window after correctly reading the VIN from the vehicle does not match the VIN plate of the vehicle, manually type in the VIN characters from the vehicle VIN plate into the TLC top center window and use these for programming or reprogramming the subject module with the correct vehicle VIN and software and/or calibrations.
- The Engine Control Module (ECM) is the master module (for VIP vehicles) that TLC reads to determine the VIN of the vehicle. If the VIN read from the vehicle by TLC does not match the VIN plate of the vehicle, the ECM also needs to be reprogrammed with the correct VIN, software and calibrations that match the vehicle’s VIN plate.
- The Body Control Module (BCM) is the master module (for GEM vehicles) that TLC reads to determine the VIN of the vehicle. If the VIN read from the vehicle by TLC does not match the VIN plate of the vehicle, the BCM also needs to be reprogrammed with the correct VIN, software and calibrations that match the vehicle’s VIN plate.

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

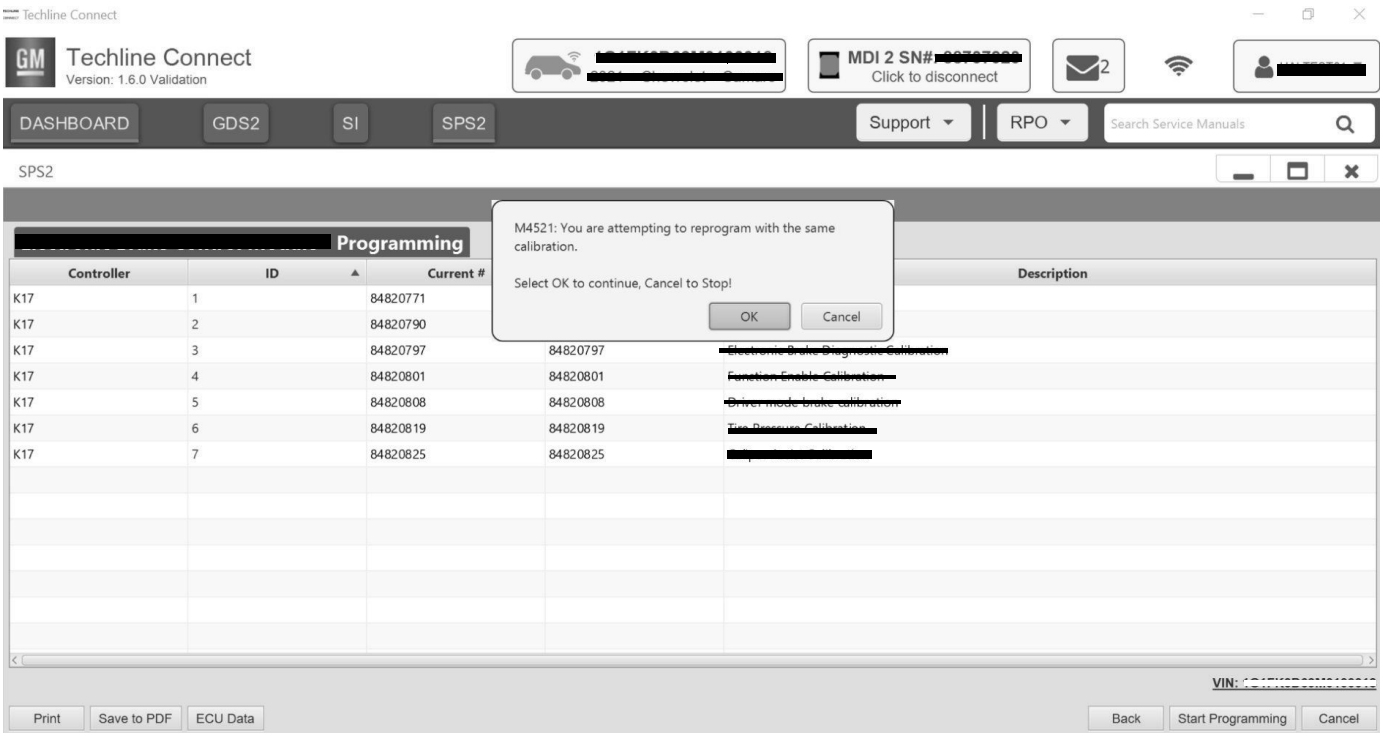


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Important: If the vehicle VIN DOES NOT match, the message below will be shown



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Important: Techline Connect screens shown above.

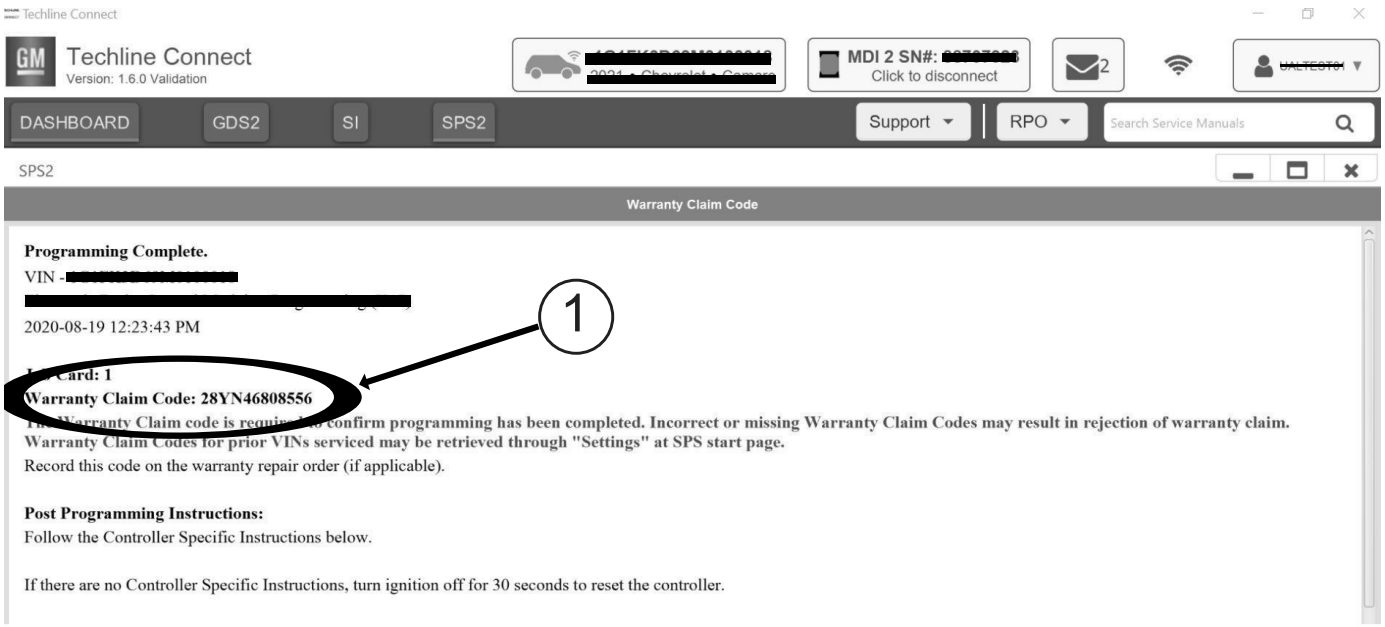
Important: If the same calibration/software warning is noted on the TLC Summary screen, select OK and follow screen instructions. After a successful programming event, the WCC is located in the Service Programming System dialogue box of the SPS Summary screen. No further action is required. Refer to the Warranty section of the bulletin.

1. Reprogram the Transmission Control Module with the latest software and calibration using the Isuzu Diagnostic Service System (IDSS) if the calibration part number does NOT match the calibration numbers listed under Parts Information. To find the Calibration number go to **Controller Programming > Transmission > Software and Calibrations > Update Calibrations** and read the .TCM calibration part number.

   a. If the calibration part number shown in the vehicle does **NOT** match the calibration number listed in the table below, reprogram the TCM and then proceed with the *Transmission Service Fast Learn* in SI.

   b. If the calibration part number **matches** the service calibration part number in this bulletin, this bulletin no longer applies. Follow the diagnostics in the appropriate Workshop Manual for the DTC set.

Warning: Perform this procedure outside or with proper exhaust ventilation equipment. Ensure that there are no obstacles or people in front of the vehicle while performing the Transmission Service Fast Learn procedure.



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Note: The screenshot above is 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.

Parts Information

No parts are required for this repair.

Model Year:	Vehicle:	Engine:	Transmission:	Calibration:
2025	NPR	6.6L	8L90	24069901
2025	NPR-HD	6.6L	8L90	24069900

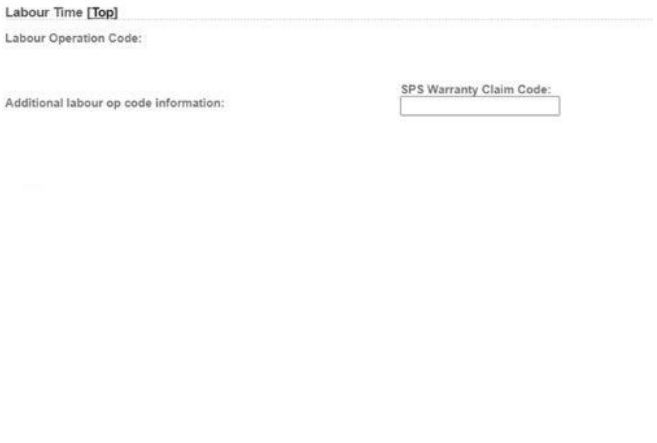
Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
K8000*	25 N-Gas DTC P175E Calibration Update	0.5 Hr.

*This is a unique Labor Operation for Bulletin use only.

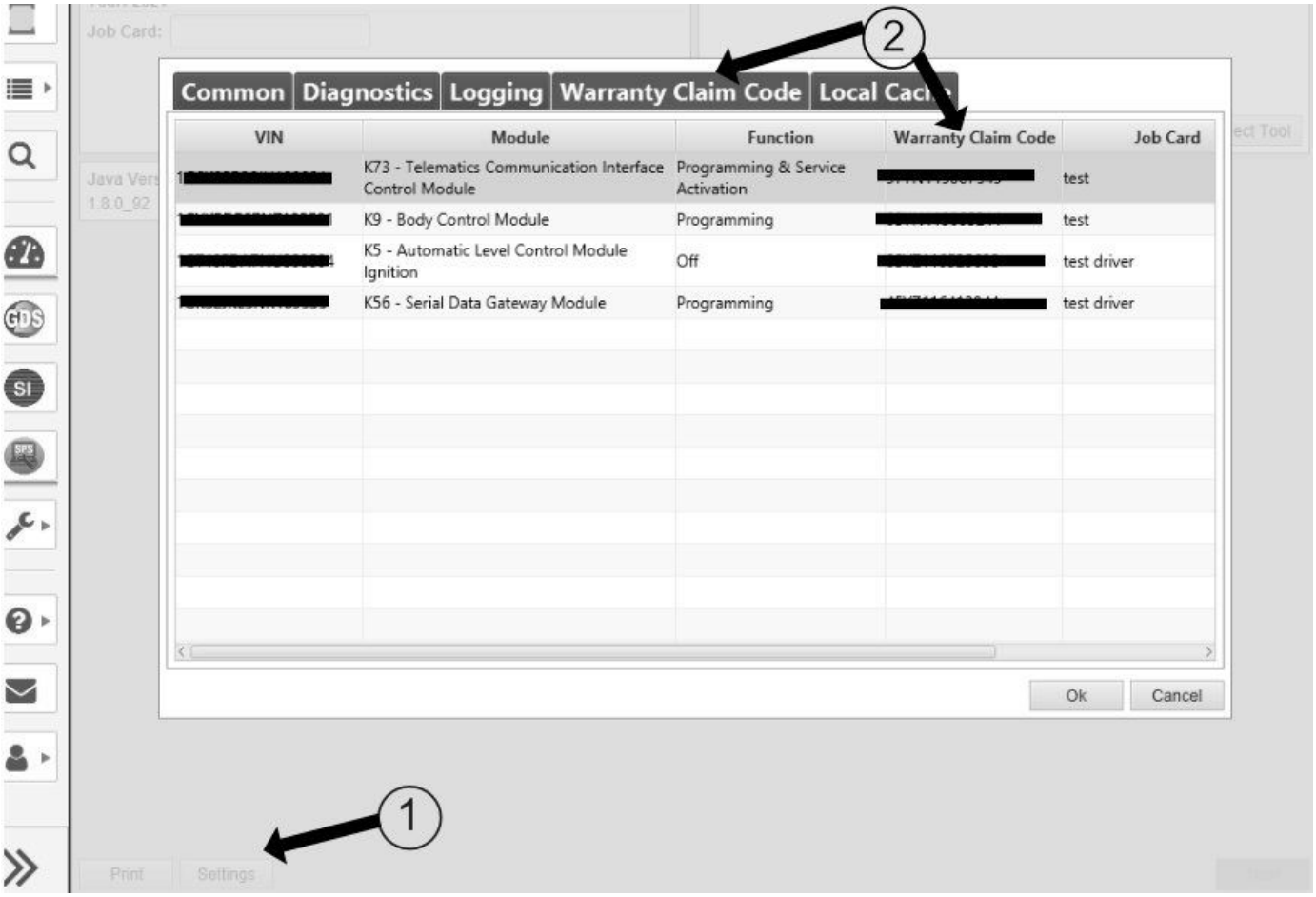
Important: **To avoid warranty transaction rejections, carefully read and follow the instructions below:



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- 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 SPS2.

Warranty Claim Code Information Retrieval



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If the Warranty Claim Code was not recorded on the Job Card, the code can be retrieved in the SPS2 system as follows:

1. Open TLC on the computer used to program the vehicle.
2. Select and start SPS2.
3. Select Settings (1).
4. Select the Warranty Claim Code tab (2).

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.

Version	1
Modified	Released May 02, 2025

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.

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