



Service Bulletin

Bulletin No.: 24-NA-200

Date: September, 2024

TECHNICAL

Subject: DTC HPCM2 Software Update for Using NACS DC Fast Charge Adapter, Possible DTC(s) P3013 or P302D

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Bolt EV	2019	2020	—	—	—	—

Involved Region or Country	North America
Additional Options (RPOs)	Equipped with DC Fast Charging Provisions (RPO CBT)
Condition	Some customers may comment on a Malfunction Indicator Lamp (MIL) illuminated and/or charging concerns when using the North America Charging Standard (NACS) to CCS1 adapter at a NACS public charger. The DTCs may set due to inter-operability errors.
Cause	The cause of the condition may be that some NACS internal diagnostic functions can be detected by the Hybrid/EV Powertrain Control Module 2 (HPCM2) software as a vehicle fault.
Correction	Product Engineering has developed a programming solution for the charging scenarios. Reprogram the Hybrid/EV Powertrain Control Module 2 (HPCM2). - The May 18, 2024 revision to the HPCM2 software applies to Model Year 2020. The May 25, 2024 revision to the HPCM2 software is applicable to Model Year 2019. Any HPCM2 programmed on or after this date contains the NACS DC Fast Charge solution. - Any HPCM2 programmed before the applicable revision date will need to be reprogrammed to receive the updated NACS DC Fast Charge operation.

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 12V 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.
- 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.

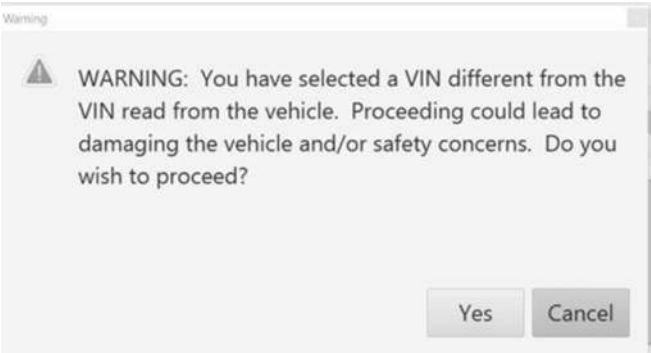
- For the TLC application, service technicians need to always ensure that the power mode (ignition) is “ON” before reading the VIN from the vehicle’s VIN master module and that they do not select a VIN that is already in the TLC application memory from a previous vehicle.
- If the VIN that shows up in 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.

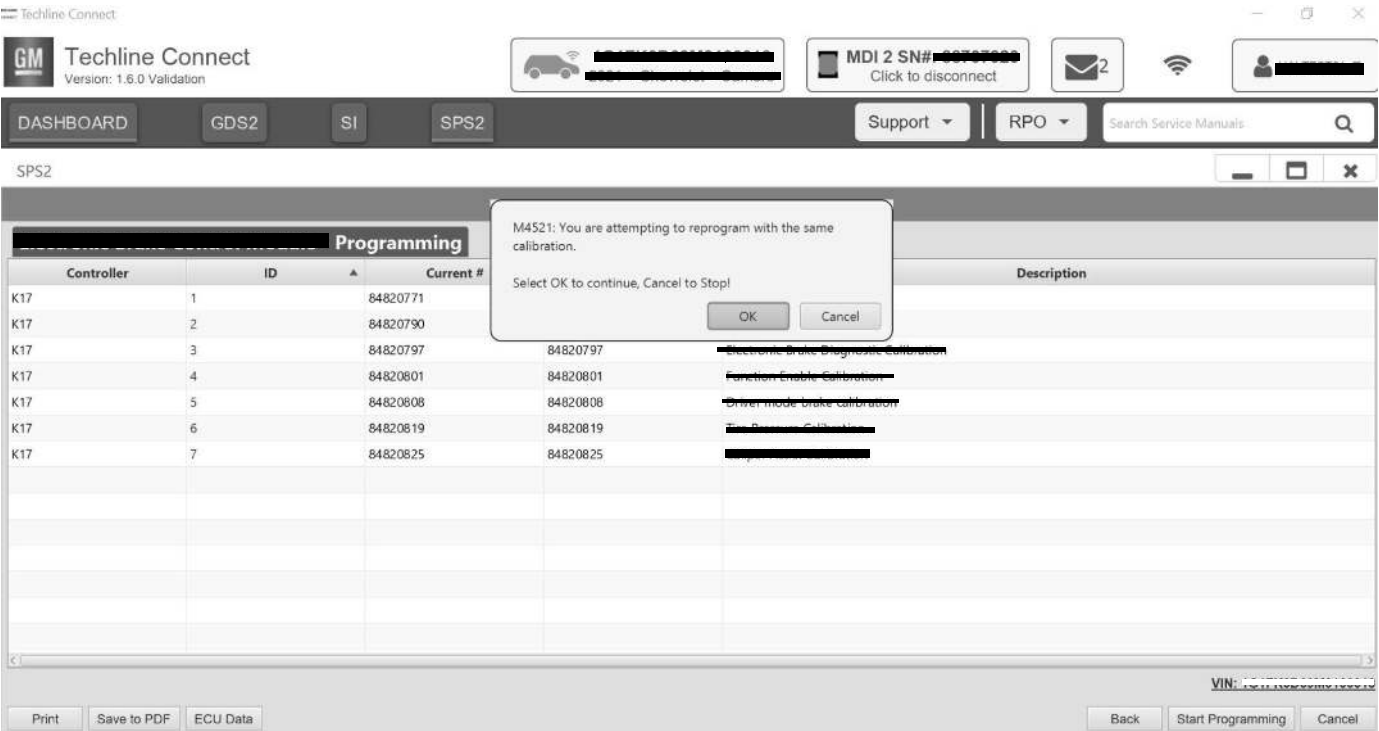
The screenshot displays the Techline Connect SPS2 interface. At the top, the 'Techline Connect' header shows the GM logo and version '1.8.0.2 Production'. Below this is a navigation bar with tabs for 'DASHBOARD', 'GDS2', 'SI', and 'SPS2'. The 'SPS2' tab is active. On the right side of the header, there is a 'Connect Vehicle' button, a mail icon with a '1', a Wi-Fi icon, and a user profile icon. Below the header, a 'Welcome to Service Programming System 2' message is displayed. The main area is divided into two columns. The left column contains a 'VIN:' dropdown menu with the value '1GNSKGM...' selected, marked with a circled '1'. Below the dropdown, the vehicle details are listed: 'Model: Suburban - 4WD', 'Type: -', 'Make: Chevrolet', 'Year: 2021', and a 'Job Card:' field. The right column shows 'Diagnostic Tool Ready! J2534' and a 'Selected Programming Process' dropdown menu with 'Reprogram' selected. At the bottom of the main area, there are buttons for 'Auto Detect New Vehicle', 'Manually Enter Vehicle', 'Auto Detect Tool', and 'Manual'. The footer of the interface includes 'Java Version: 1.8.0_92', 'SPS2 Version: 2.8.5.5060', and 'Windows Version: Windows 10'. A 'Print' button and a 'Settings' button are located at the bottom left.

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



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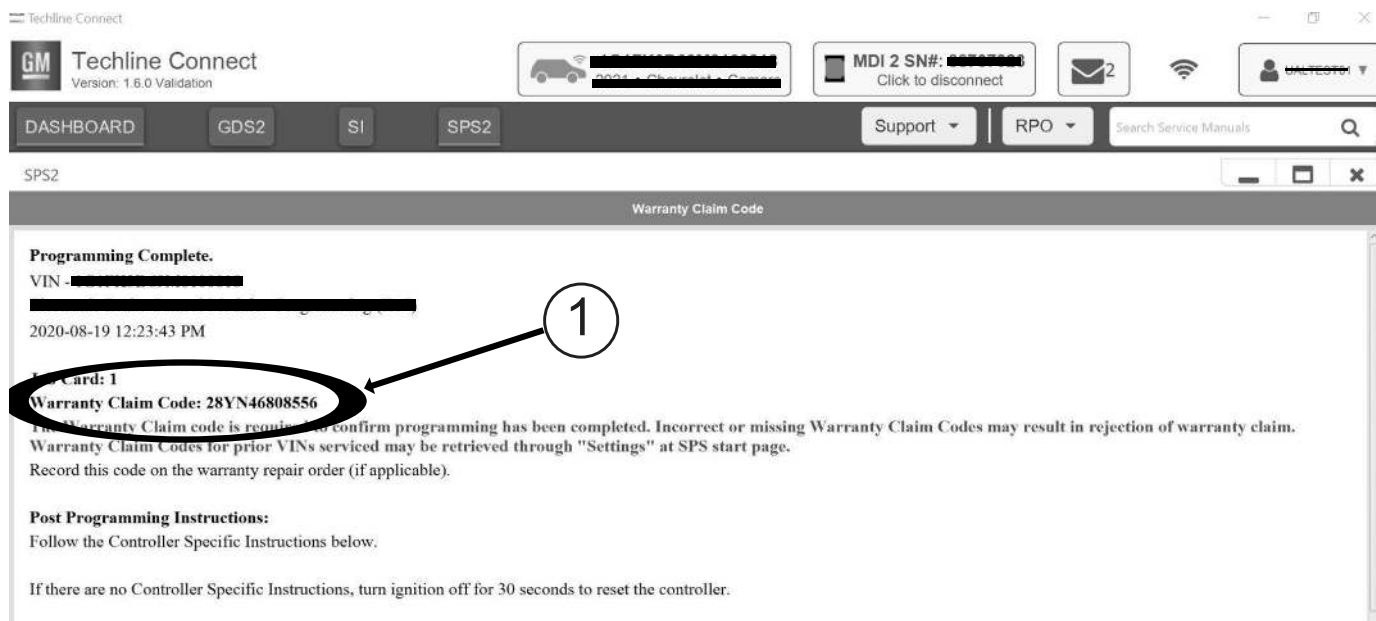


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Important: Techline Connect screen shown above.

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. Record the WCC on the job card. No further action is required. Refer to the Warranty Information section of this bulletin.

1. Reprogram the Hybrid/EV Powertrain Control Module 2. Refer to *K114B Hybrid/EV Powertrain Control Module 2: Programming and Setup* in SI.



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

Warranty Information

For vehicles repaired under the EV Limited Component Warranty, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
2887638*	Hybrid/EV Powertrain Control Module 2 Reprogramming for NACS DC Fast Charge Adapter Update	0.6 hr

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

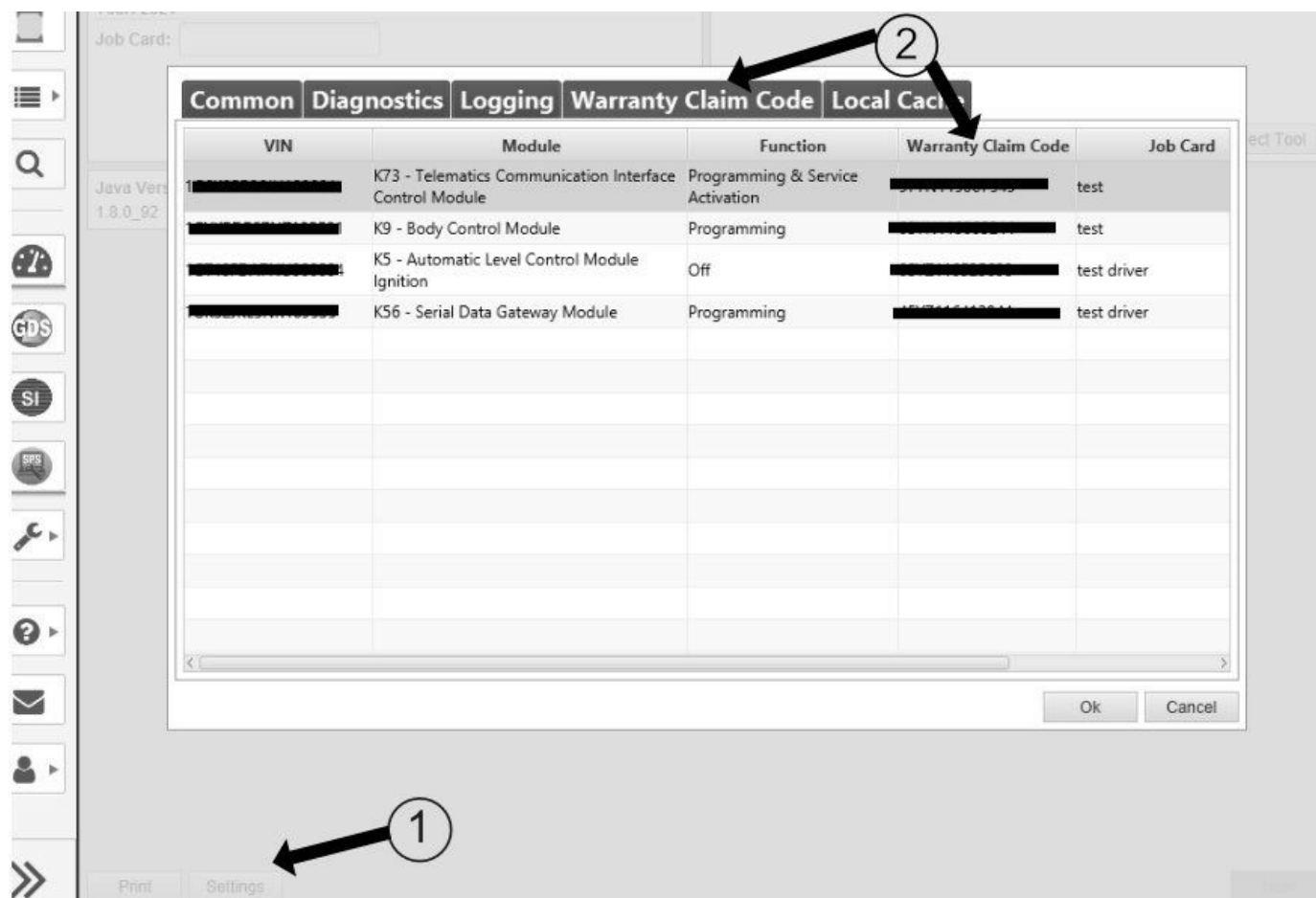
Important: To avoid warranty transaction rejections, carefully read and follow the instructions below:

Labor Operation	Description	Labor Time
Labour Time [Top] Labour Operation Code: Additional labour op code information: SPS Warranty Claim Code:		

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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 September 17, 2024