

GLOBAL SAFETY FIELD INVESTIGATIONS
DCS6567
URGENT - DISTRIBUTE IMMEDIATELY

Date: May 15, 2023

Subject: N232396990 - Customer Satisfaction Program
Super Cruise Map Enhancements

Models: 2022 GMC HUMMER EV

To: All General Motors Dealers

General Motors is releasing Customer Satisfaction Program N232396990 today. The total number of U.S. vehicles involved is approximately 939. Please see the attached bulletin for details.

Customer Letter Mailing

The customer letter mailing will begin at the end of May 2023.

Global Warranty Management (GWM)

The Required Field Action section on the Investigate Vehicle History (IVH) screen will be updated May 15, 2023. A list of vehicles in dealer inventory is attached to this message.

END OF MESSAGE

GLOBAL SAFETY FIELD INVESTIGATIONS

Customer Satisfaction Program

N232396990 Super Cruise Map Enhancements



Release Date: May 2023

Revision: 00

Attention: This field action must only be completed by GMC EV certified dealers and repairs must be performed by a technician who has successfully completed the required training.

For Canadian Dealers: Only GMC Dealers who have signed the GMC Electric Models Agreement and have met all the GMC HUMMER EV-specific training, tools, and equipment requirements are eligible to complete the repair. Any Dealer unsure of their eligibility status should immediately review with their District Service Manager.

This program is in effect until May 31, 2025.

| Make | Model | Model Year | | RPO | Description |
|------|-----------|------------|------|-----|-------------|
| | | From | To | | |
| GMC | HUMMER EV | 2022 | 2022 | | |

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| Condition | Certain 2022 model year GMC HUMMER EV vehicles may have a condition where the Super Cruise map is out of date. |
| Correction | Dealers are to replace the serial data gateway and automated driving mapping modules and reprogram the image processing module. |

Parts

| Quantity | Part Name | Part No. |
|----------|-----------------------------------|----------|
| 1 | MODULE, AUTOMATED DRIVING MAPPING | 85610354 |
| 1 | MODULE, SERIAL DATA GATEWAY | 13551131 |

It is estimated that only 939 involved vehicles will require parts replaced. **Due to the small number of vehicles anticipated that will need this fix and the limited initial parts availability, dealers are encouraged not to order these parts for use as shelf stock.**

Reminder: Parts may be removed from Retail Inventory Management (RIM). Dealers should review the affected parts to confirm RIM managed status. Parts may have quantity limiters in effect.

Warranty Information

| Labor Operation | Description | Labor Time | Trans. Type | Net Item |
|-----------------|--|------------|-------------|----------|
| 9106651* | Verified Module Software or Calibration Level: Module Is Programmed with Same Level Software or Calibration | 0.2 | ZFAT | N/A |
| 9106652* | Replace Serial Data Gateway, Automated Driving Mapping Modules (includes programming) and Image Processing Module Reprogramming with SPS | 1.5 | | |

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

Labour Time [\[Top\]](#)

Labour Operation Code:

Additional labour op code information:

SPS Warranty Claim Code:

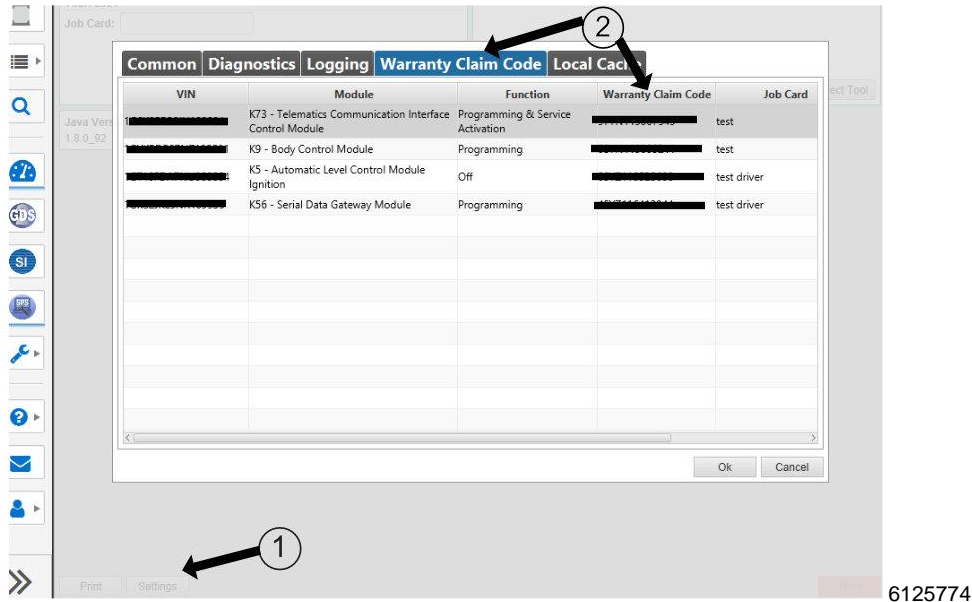
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- The Warranty Claim Code from the programming event must be accurately entered in the "Warranty Claim Code" field of the transaction.



- 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



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

- Open TLC on the computer used to program the vehicle.
- Select and start SPS2.
- Select Settings (1).
- 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.

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.
- 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.

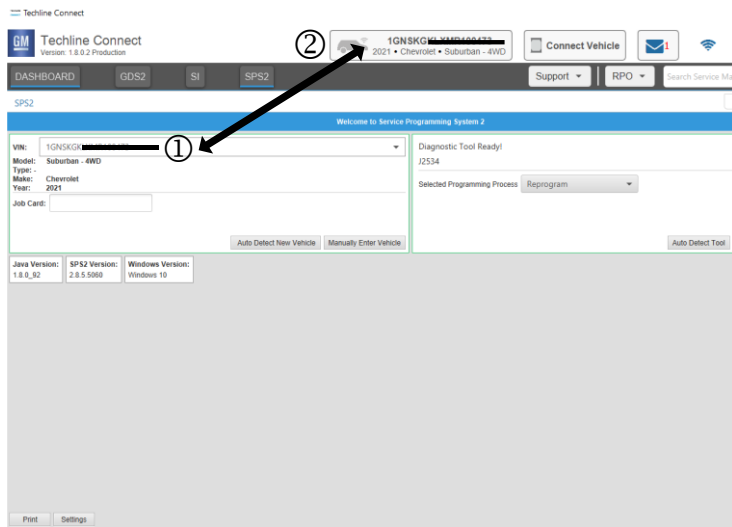
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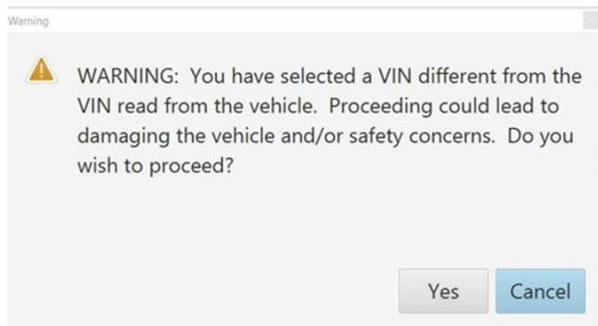
- If the VIN that shows up in the TLC top center window after correctly reading the VIN from the vehicle does not match the VIN plate of the vehicle, manually type in the VIN characters from the vehicle VIN plate into the TLC top center window and use these for programming or reprogramming the subject 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.

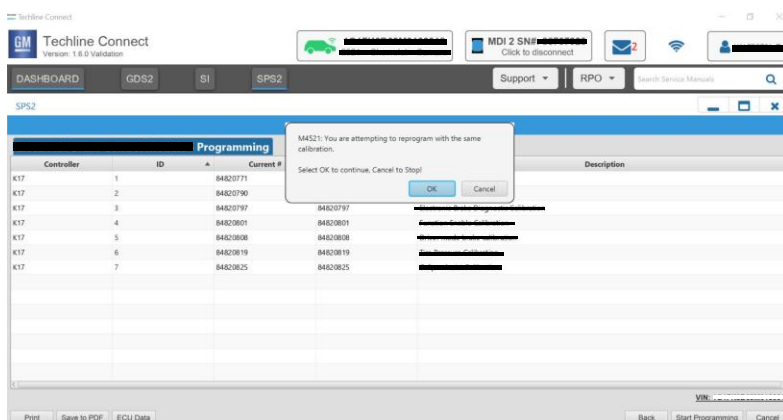


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Important: If the vehicle VIN DOES NOT match, the message below will be shown.



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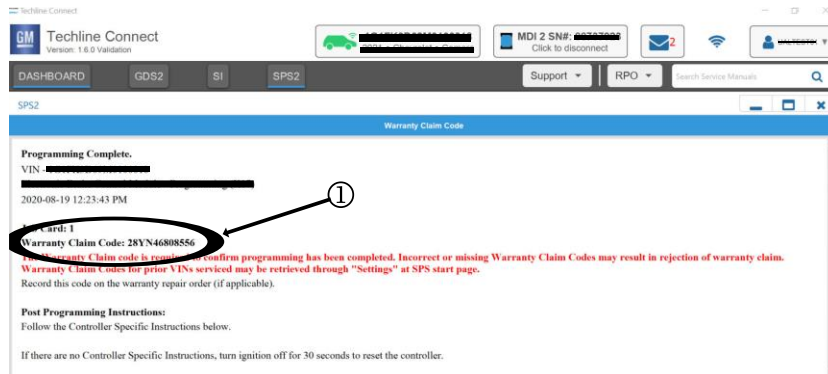
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Important: Techline Connect screens shown above.

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. Replace the serial data gateway module. Refer to *Serial Data Gateway Module Replacement* in SI.
2. Replace the automated driving mapping module. Refer to *Automated Driving Mapping Module Replacement* in SI.
3. Reprogram the image processing module. Refer to *K124 Image Processing Module Reprogramming 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.

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

Dealer Responsibility

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this program 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.

Dealers are to service all vehicles subject to this program at no charge to customers, regardless of mileage, age of vehicle, or ownership, through May 31, 2025. Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the involved vehicle listing, are to be contacted by the dealer. Arrangements are to be made to make the required correction according to the instructions contained in this bulletin. A copy of the customer letter is provided in this bulletin for your use in contacting customers. Program follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

In summary, whenever a vehicle subject to this program enters your vehicle inventory or is in your facility for service through May 31, 2025, you must take the steps necessary to be sure the program correction has been made before selling or releasing the vehicle.

Dealer Reports – For USA & Export

For dealers with involved vehicles, a listing has been prepared and will be available through GM GlobalConnect Maxis Field Action Reports or sent directly to export dealers. The Inventory tab of the dealer reports will contain VINs that apply to this field action. This information is intended to assist dealers with the **PROMPT COMPLETION** of these

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vehicles. The Customer In-Service tab will contain customer names and addresses from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any purpose other than follow-up necessary to complete this field action may be a violation of law in several states.

Courtesy Transportation – For USA & Canada

Courtesy transportation is available for customers whose vehicles are involved in a product program and still within the warranty coverage period. See General Motors Service Policies and Procedures Manual for courtesy transportation program details.

Customer Notification

USA & Canada - General Motors will notify customers of this program on their vehicle (see copy of customer letter included with this bulletin).

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**

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May 2023

This notice applies to your vehicle, **VIN:** _____

Dear General Motors Customer:

Thank you for being among our first GMC HUMMER EV owners. Your HUMMER EV is already equipped with many innovative features and technologies, and now it's getting even better. As you know, your HUMMER EV is equipped with the Super Cruise™ driver assistance technology and hardware. Super Cruise software updates for your HUMMER EV are now available. These updates include the Super Cruise Road Expansion which will allow you to drive hands-free on more than 400,000 miles of compatible roads in the U.S and Canada including non-divided highways, which is double the amount of mileage currently available in your vehicle.

What We Will Do: Your GM dealer will replace the serial data gateway and automated driving mapping modules and reprogram the image processing module. This service will be performed for you at **no charge until May 31, 2025**. After that, any applicable warranty will apply.

What You Should Do: To limit any possible inconvenience, we recommend that you contact the HUMMER EV Concierge or your GMC EV Certified dealership as soon as possible to schedule an appointment for this update. By scheduling an appointment, your dealer can ensure that the necessary parts will be available on your scheduled appointment date. When scheduling your appointment, confirm with the dealership that they are an EV certified dealer.

If you have any questions or concerns that your dealer is unable to resolve, please contact the appropriate Customer Assistance Center at the number listed below.

For the hearing or speech impaired, please contact our Customer Assistance Center using the Telecommunication Relay Service by dialing 711 then providing the appropriate Customer Assistance Center number for your vehicle.

| Division | Number | Text Telephones (TTY) |
|-----------------------|-------------------------------------|-----------------------|
| GMC HUMMER EV/SUV | 1-833-HUMMER-EV (1-833-486-6373) | 711 / 1-800-833-2438 |
| Puerto Rico – English | 1-866-467-9700 | |
| Puerto Rico – Español | 1-866-467-9700 | |
| Virgin Islands | 1-866-467-9700 | |

We truly appreciate you taking the time to enhance your vehicle as we know your time is valuable. We want you to know that we will do our best, throughout your ownership experience, to ensure that your GMC HUMMER EV provides you many miles of enjoyable driving.

Neelie O'Connor
Global Executive Director
Customer Experience Operations

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