

F/CMVSS Noncompliance Recall

N222386380 Daytime Running Lights (DRL) May Not Deactivate When Headlamps Are On



Release Date: December 2022

Revision: 00

Attention: It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

This is a phased launch.

Software is currently available for the model year 2021 – 2023 model year Cadillac CT4 and CT5 vehicles; 2021 – 2023 model year Buick Envision vehicles; and 2022 – 2023 model year Cadillac Escalade and Escalade ESV, Chevrolet Silverado 1500 New, Suburban, and Tahoe, and GMC Sierra 1500 New, Yukon, and Yukon XL. These vehicles were placed in “Open” status in IVH on December 8, 2022.

Software is currently NOT available for the 2020 model year Cadillac CT4 and CT5 vehicles. These vehicles were placed in “Incomplete – Remedy Not Available” status in IVH on December 8, 2022 and are on stop delivery until software is available and the repairs in this bulletin are performed. We anticipate software availability for the 2020 model year Cadillac CT4 and CT5 vehicles in the near future and will revise this bulletin when software becomes available.

All involved vehicles that are in dealer inventory must be held and not delivered to customers, dealer traded, or used for demonstration purposes until the repair contained in this bulletin has been performed on the vehicle.

Involved vehicles will be repaired either through dealer repairs as described in this bulletin or through over the air (OTA) programming. Dealers can and should perform the procedure in this bulletin on any vehicle with an “Open” status on the Investigate Vehicle History (IVH) screen in GM Global Warranty Management system. Due to the fact that vehicles will be closed in IVH through successful OTA programming, dealers should always check the status in IVH before performing any vehicle repairs.

Make	Model	Model Year		RPO	Description
		From	To		
Cadillac	CT4	2020	2023		
Cadillac	CT5	2020	2023		
Buick	Envision	2021	2023		
Cadillac	Escalade	2022	2023		
Cadillac	Escalade ESV	2022	2023		
Chevrolet	Silverado 1500 New	2022	2023		
Chevrolet	Suburban	2022	2023		
Chevrolet	Tahoe	2022	2023		
GMC	Sierra 1500 New	2022	2023		
GMC	Yukon	2022	2023		
GMC	Yukon XL	2022	2023		

Certain 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.

2020 model year Cadillac CT4 and CT5 vehicles were placed in “Incomplete - Remedy Not Available” status on the Investigate Vehicle History screen in GM Global Warranty Management system on December 8, 2022.

Condition	General Motors has decided that certain 2020 – 2023 model year Cadillac CT4 and CT5 vehicles; 2021 – 2023 model year Buick Envision vehicles; and 2022 – 2023 model year Cadillac Escalade and Escalade ESV, Chevrolet Silverado 1500 New, Suburban, and Tahoe, and GMC Sierra 1500 New, Yukon, and Yukon XL vehicles, fail to conform, in part, to Federal/Canada Motor Vehicle Safety Standard (F/CMVSS) No. 108, “Lamps, reflective devices, and associated equipment.” The daytime running lamps (DRLs) may not deactivate when the headlamps are on. If the DRLs do not deactivate when the headlamps are on, the resulting glare could increase the risk of a crash.
Correction	General Motors will update the software in the vehicles’ Body Control Module (BCM) to correct the condition. Owners who have accepted applicable terms and conditions will have the opportunity to accept these software changes using wireless over-the-air (OTA) technology without having to bring their

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vehicle to a dealership. Alternatively, owners may have their vehicle serviced at a GM dealer to receive these software updates.

Parts

No parts are required for this repair.

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9106364*	Verified Module Software or Calibration Level: Module Is Programmed with Same Level Software or Calibration	0.2	ZFAT	N/A
9106365*	Body Control Module Reprogramming with SPS Sierra, Silverado CT4**, CT5**, Envision, Escalade, Suburban, Tahoe, Yukon	0.3		
		0.5		

****Do NOT perform this procedure on 2020 model year Cadillac CT4 or CT5 vehicles until the software is available.**

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:

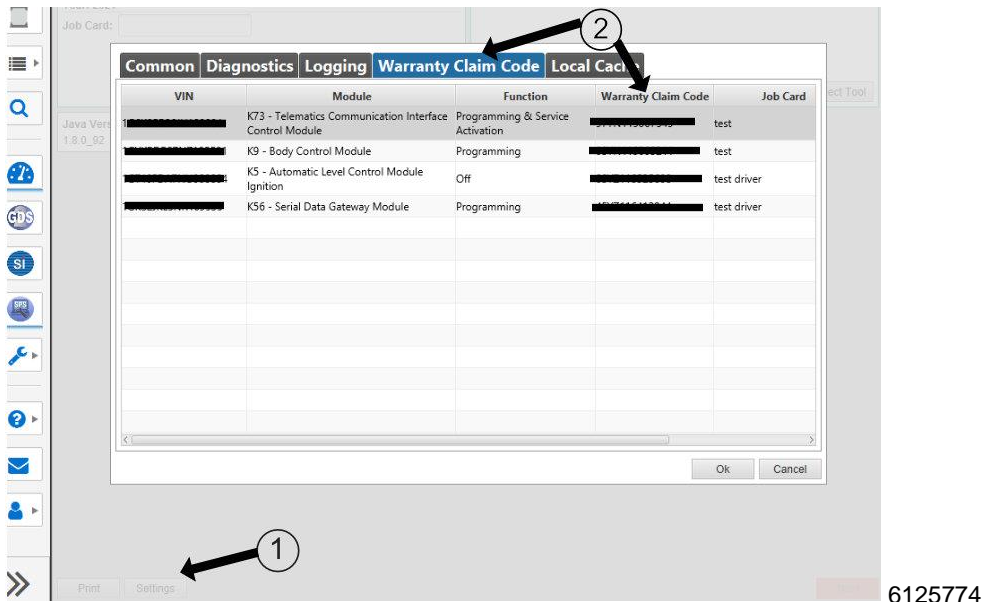
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- The Warranty Claim Code from the programming event must be accurately entered in the "Warranty Claim Code" field of the transaction.
- When more than one Warranty Claim Code is generated for a programming event, it is required to document all Warranty 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

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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.

Service Procedure

Do NOT perform this procedure on 2020 model year Cadillac CT4 or CT5 vehicles until the software is available.

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 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.

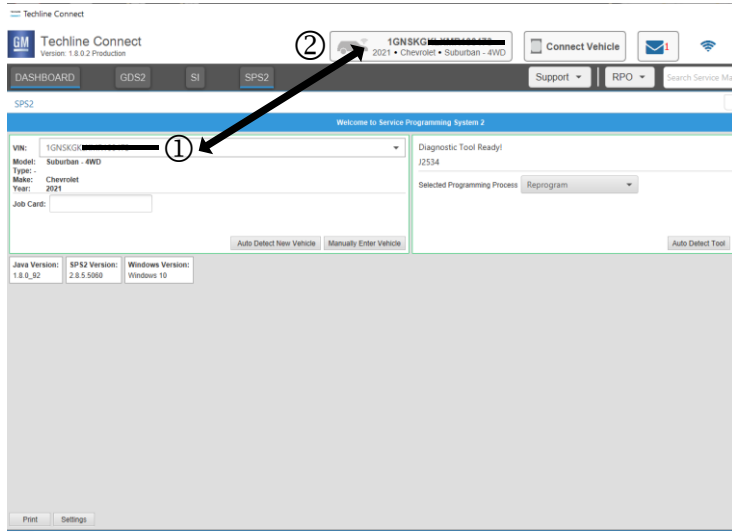
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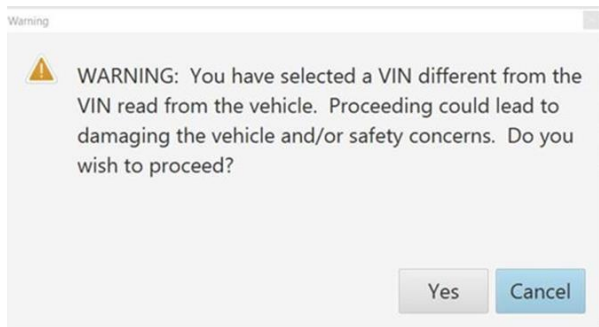
- The Engine Control Module (ECM) is the master module (for VIP vehicles) that TLC reads to determine the VIN of the vehicle. If the VIN read from the vehicle by TLC does not match the VIN plate of the vehicle, the ECM also needs to be reprogrammed with the correct VIN, software and calibrations that 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.

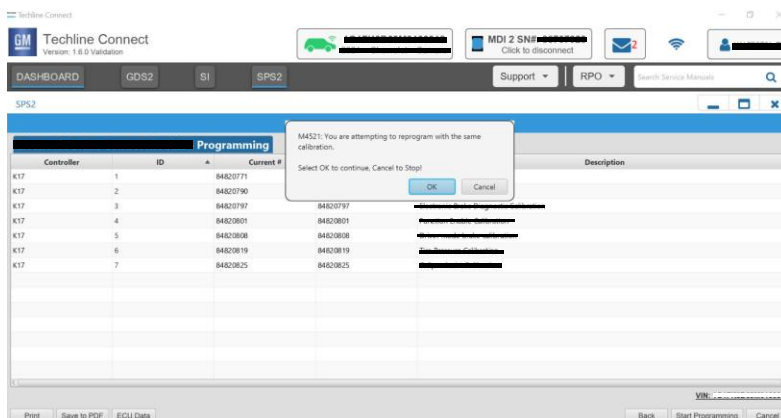


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Important: If the vehicle VIN DOES NOT match, the message below will be shown.



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Important: Techline Connect screens shown above.

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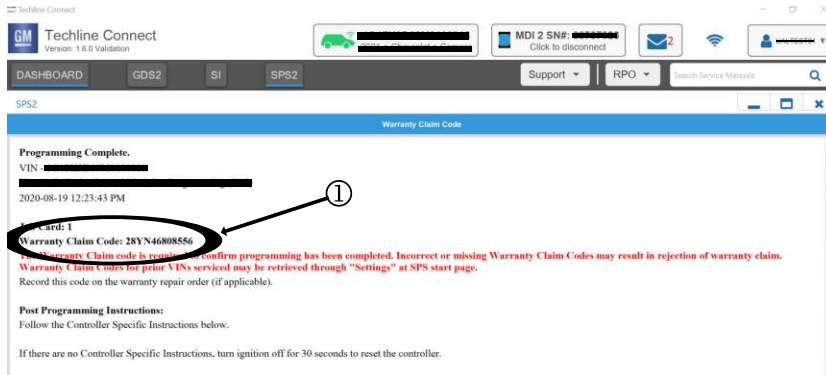
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Important: If the same calibration/software warning is noted on the TLC Summary screen, select OK and follow screen instructions. After a successful programming event, the WCC is located in the Service Programming System dialogue box of the SPS Summary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

Do NOT perform this procedure on 2020 model year Cadillac CT4 or CT5 vehicles until the software is available.

1. Reprogram the Body Control Module. Refer to *K9 Body Control Module: 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 SPS Warranty Claim Code on job card for warranty transaction submission.

Dealer Responsibility – For USA & Export (USA States, Territories, and Possessions)

It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

The US National Traffic and Motor Vehicle Safety Act provides that each vehicle that is subject to a recall of this type must be adequately repaired within a reasonable time after the customer has tendered it for repair. A failure to repair within sixty days after tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within a reasonable time, the customer may be entitled to an identical or reasonably equivalent vehicle at no charge or to a refund of the purchase price less a reasonable allowance for depreciation. To avoid having to provide these burdensome remedies, every effort must be made to promptly schedule an appointment with each customer and to repair their vehicle as soon as possible. In the recall notification letters, customers are told how to contact the US National Highway Traffic Safety Administration if the recall is not completed within a reasonable time.

Dealer Responsibility – All

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this recall 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 recall at no charge to customers, regardless of mileage, age of vehicle, or ownership, from this time forward.

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Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the dealer 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. Recall 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 field action enters your vehicle inventory you must take the steps necessary to ensure the program correction has been made before selling the vehicle. In addition, for vehicles entering your facility for service, you are required to ensure the customer is aware of the open field action and make every reasonable effort to implement the program correction as set forth in this bulletin prior to 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 recall. This information is intended to assist dealers with the **PROMPT COMPLETION** of these 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 recall 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 recall on their vehicle.

Export - Letters will be sent to known owners of record located within areas covered by the US National Traffic and Motor Vehicle Safety Act.

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**