

# F/CMVSS Noncompliance Recall N242447940 Blank Cluster Display



Release Date: June 2024

Revision: 00

**Attention:** This bulletin contains an inspection procedure for both dealer inventory and customer vehicles. Vehicles that pass the inspection procedure contained in this bulletin can be sold and delivered to the customer. **Vehicles that DO NOT PASS the inspection procedure contained in this bulletin cannot be sold or delivered to the customer.**

When parts become available, the VINs will be moved to Noncompliance Recall N242447941, to allow for the repair of these vehicles, and floor plan reimbursement may also be added for vehicles which did not pass the inspection procedure.

**Vehicles that pass this inspection procedure and are successfully updated can be delivered and closed using the appropriate labor code.**

Vehicles involved in this recall were placed on stop delivery June 20, 2024. Once the service procedure contained in this bulletin has been performed on the vehicle, the vehicle is released from stop delivery and the vehicle can be delivered to the customer.

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.

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.

Make	Model	Model Year		RPO	Description
		From	To		
Cadillac	XT5	2023	2025	UHS	DISPLAY INSTRUMENT - DRIVER INFO ENHANCED (MULTI COLOR ENHANCED GRAPHIC)
Cadillac	XT6	2024	2025		

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.

<b>Condition</b>	General Motors has decided that certain 2023-2025 model year Cadillac XT5 and 2024-2025 model year XT6 vehicles fail to conform to S5.3.3 of Federal/Canada Motor Vehicle Safety Standard (F/CMVSS) No. 101, "Controls and displays," and S9.3 and S9.8 of F/CMVSS No. 108, "Lamps, reflective devices, and associated equipment." Under some conditions, indicator lights located in the vehicle's instrument panel for the activation of turn signals, hazard warning flashers and high-beam headlights may fail to illuminate as required. Drivers may not be made aware that turn signals, hazard warning flashers or high-beam headlights are or remain unintentionally activated, potentially confusing or distracting pedestrians and other road users and increasing the risk of a crash.
<b>Correction</b>	Dealers will update the instrument cluster software.

## Parts

No parts are required for this repair.

## Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9107345*	Verified Module Software or Calibration Level: Module Is Programmed with Same Level Software or Calibration	0.2	ZFAT	N/A
9107346*	Instrument Panel Cluster Programming via USB	0.6	ZFAT	N/A
9106726	Instrument Panel Cluster Blank – Unable to Program	0.2	ZFAT	N/A

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

# F/CMVSS Noncompliance Recall N242447940 Blank Cluster Display



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

Labour Operation Code:

Additional labour op code information:

SPS Warranty Claim Code:

6125814

- 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

VIN	Module	Function	Warranty Claim Code	Job Card
██████████	K73 - Telematics Communication Interface Control Module	Programming & Service Activation	██████████	test
██████████	K9 - Body Control Module	Programming	██████████	test
██████████	K5 - Automatic Level Control Module Ignition	Off	██████████	test driver
██████████	K56 - Serial Data Gateway Module	Programming	██████████	test driver

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

**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.

**Note:** Carefully read and follow the instructions below.

# F/CMVSS Noncompliance Recall N242447940 Blank Cluster Display

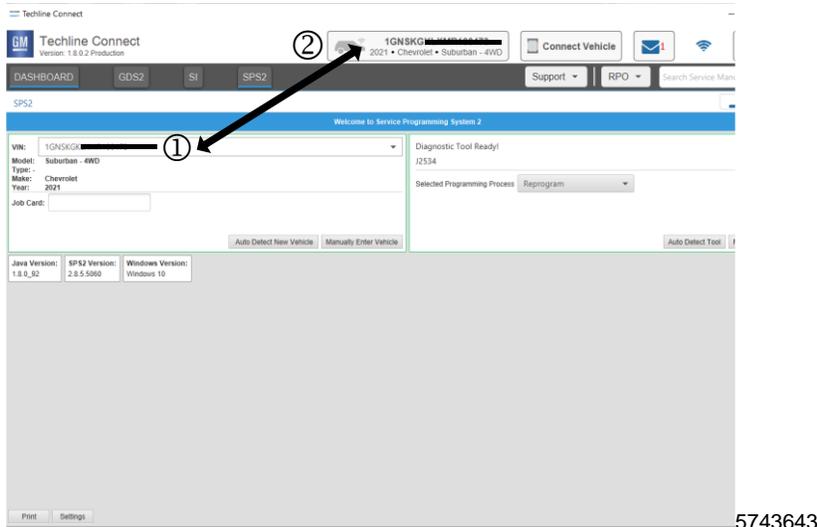


- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or control module damage may occur.
- Stable battery voltage is critical during programming. Any fluctuation, spiking, 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](http://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.



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

# F/CMVSS Noncompliance Recall N242447940 Blank Cluster Display



The screenshot shows the Techline Connect software interface. At the top, a warning dialog box is displayed with the text: "WARNING: You have selected a VIN different from the VIN read from the vehicle. Proceeding could lead to damaging the vehicle and/or safety concerns. Do you wish to proceed?" with "Yes" and "Cancel" buttons. Below the dialog, the VIN "5877000" is visible. The main interface shows a "Programming" table with columns for Controller, ID, Current #, and Description. A small dialog box is also present over the table with the text: "MMS21: You are attempting to reprogram with the same calibration. Select OK to continue, Cancel to Stop!" with "OK" and "Cancel" buttons. At the bottom right, the VIN "5644477" is visible.

Controller	ID	Current #	Description
K17	1	84820771	
K17	2	84820790	
K17	3	84820797	84820797
K17	4	84820801	84820801
K17	5	84820808	84820808
K17	6	84820819	84820819
K17	7	84820825	84820825

**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.

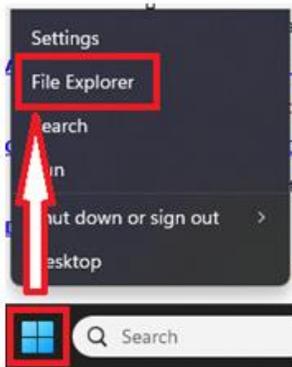
**Important: YOU MUST follow the bullet points below:**

- **Use a USB C type flash drive for the vehicle, it is not recommended to use an adapter as this may cause the programming event to fail.**
- **USB 3.0 & above with FAT32 format.**
- **Minimum size 16GB, maximum size 32GB.**

**Important: USB flash drive MUST BE FORMATTED with Windows prior to programming.**

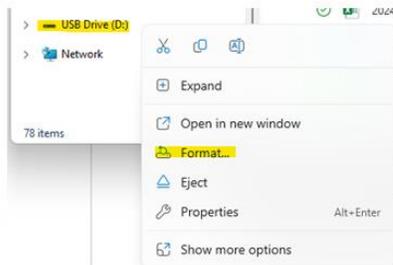
1. Vehicle ON, all systems ON.
2. Verify Instrument Cluster display functions as designed and DOES NOT have a blank screen condition.
  - If the Instrument Cluster display is blank, it will NOT accept USB programming. Part damage has already occurred, and the cluster will need to be replaced. Parts are currently not available. Please use the labor operation 9106726. This will NOT close out the recall.
  - If the Instrument Cluster is NOT blank, proceed to the next step.
3. Connect a USB drive to the computer.
4. Perform a Quick Format on the USB drive to FAT32.

# F/CMVSS Noncompliance Recall N242447940 Blank Cluster Display

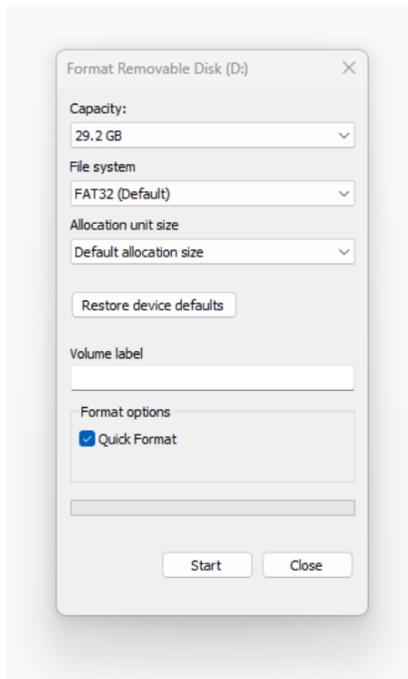


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4.1. Right Click windows logo and select File Explorer.



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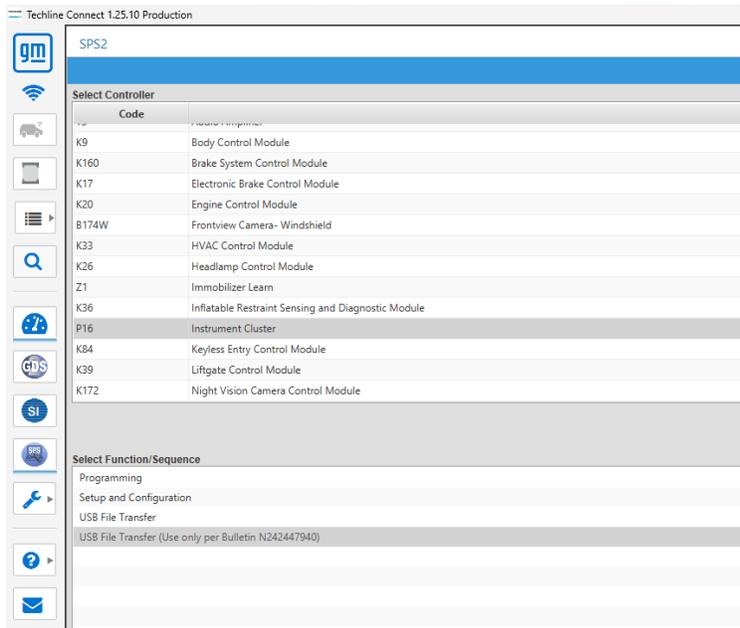


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4.2. Right click on the USB drive in File Explorer and select format.

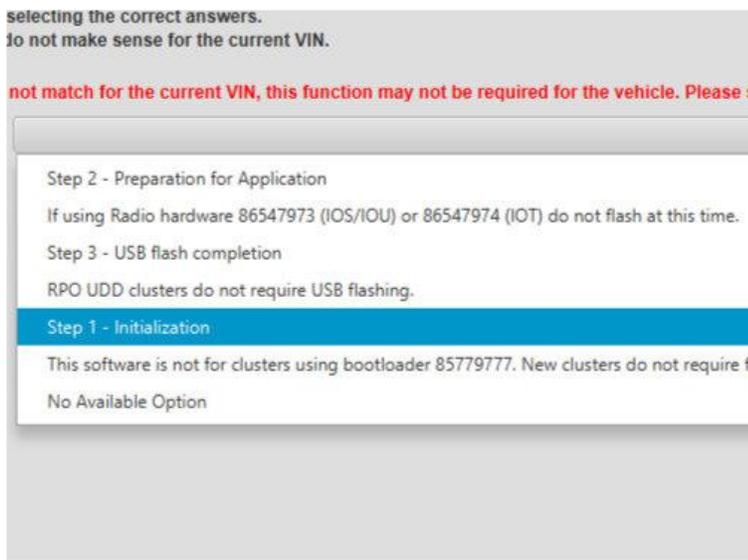
5. Access the Service Programming System (SPS) and follow the on-screen instructions.

# F/CMVSS Noncompliance Recall N242447940 Blank Cluster Display



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6. On the SPS Supported Controllers screen, select P16 Instrument Cluster – USB File Transfer (Use only per Bulletin N242447940).



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**Important:** USB programming **MUST** be followed in the correct order (step 1, 2, and then 3), otherwise damage to the cluster may occur.

7. On the SPS Post Option Questions screen, select the appropriate step.
8. Ignition ON, infotainment system ON.
9. Connect the USB drive to the USB port in the vehicle.

**Note:** The radio may go black and restart multiple times during the update, please do not shut the vehicle off if this happens, this is a normal part of the programming process.

10. The infotainment system will recognize that update files are available. Follow the infotainment display on-screen instructions and select Update when prompted.

**Note:** Once the update is initiated, there is no need to monitor the progress.

11. Upon completion of programming, remove the USB drive.

# F/CMVSS Noncompliance Recall N242447940 Blank Cluster Display

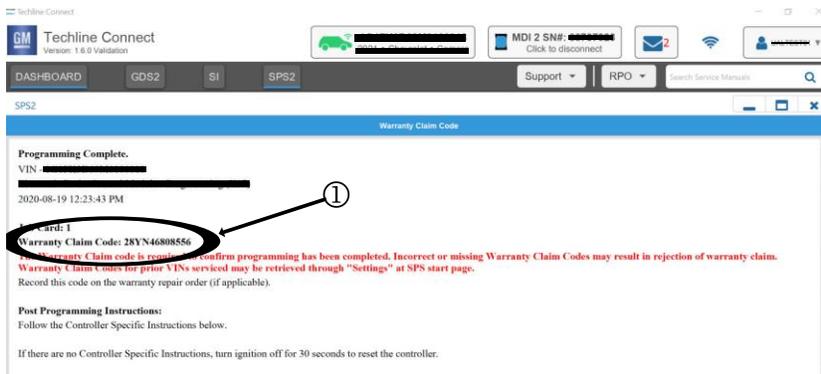


12. Ignition OFF, all systems OFF. Allow the vehicle to remain OFF for at least 2 minutes before proceeding.

**Important:** Ensure that all three USB File Transfers are completed in their correct sequence following the on-screen instructions in SPS. Performing this out of sequence will result in the Instrument Cluster not programming properly and may cause damage to the cluster beyond recovery.

13. Repeat steps 3-12 until all sections of the USB File Transfer are complete.

**Note:** If you receive an Update Failed screen, remove the USB, turn the vehicle OFF, and return to step 9. The update should continue where it stopped.



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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.

14. 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 Pre-Owned (CPO), courtesy transportation vehicles, dealer shuttle vehicles, CarBravo, 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 Pre-Owned (CPO) vehicles currently in the dealers' inventory within the SHIFT Digital system 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 SHIFT Digital system, or once again be used in the Courtesy Transportation 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.

# F/CMVSS Noncompliance Recall

## N242447940 Blank Cluster Display



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 recall 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 recall 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.

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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.



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Voluntary Technician  
Certification**