



Service Bulletin

Bulletin No.: 24-NA-276

Date: December, 2024

TECHNICAL

Subject: Radio Software Version Y176 – Multiple Updates for IOK

This Service Bulletin replaces PIT6233 and PIT6241. Please discard PIT6233 and PIT6241.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Silverado 1500	2025	2025				
	Silverado 2500HD/ 3500HD	2025	2025				
GMC	Sierra 1500	2025	2025				
	Sierra 2500HD/ 3500HD	2025	2025				

Involved Region or Country	North America, Europe, Uzbekistan, Russia, Middle East, Bolivia (West), Chile (West), Colombia (West), Ecuador (West), Peru (West), Japan, Cadillac Korea (South Korea), Thailand (ASEAN), Other Africa, Argentina, Brazil, Paraguay, Uruguay
Additional Options (RPOs)	Equipped with RPO IOK
Condition	Some customers may comment on radio software related issues. Continuous improvement software updates are being released with improvements made in several areas.
Cause	The cause of the condition may be software anomalies.
Correction	A new radio software update, version Y175, was released to service for vehicles equipped with Infotainment system RPO IOK. In addition to providing general robustness and stability enhancements, this update includes all enhancements from previous software version releases. Along with the vehicles mentioned above, vehicles in unconnected markets, and fleet customers may need the dealer to reprogram the radio with the new software package.

Y175 Most Notable Improvements

Important: Improvements will vary by model, build configuration, system, and sales region. Not all vehicles have all features.

Most notable improvements contained in this release may include:

Audio:

- The audio might cut out for a couple of seconds

Camera:

- The front camera button may cause a black screen that requires a 10-minute sleep cycle to recover

Navigation:

- After searching for a location in the embedded Google Maps app the customer might see a "Waiting for location..." message instead of pulling up directions

OnStar:

- When the Hood Open chime is playing, there is no OnStar audio

Phone:

- There may be a crackling noise while on a Bluetooth or third-party app call
- While on a phone call the person on the other end might hear an echo
- When trying to pair a phone the message "Device can't be added while driving" may come up even in Park

Radio:

- When playing music from a USB drive there may be no meta data shown in the audio app and the cluster will show "No Content"
- In Guest mode it might take a long time to play USB music, showing a "No media available" message before getting data

Stability:

- The radio may reset

SXM:

- When changing Favorites with the steering wheel switch, the new Favorite button may not highlight. If scrolling to another page of Favorites, the page may not change. In both cases the station does change.

Trailer:

- transparent trailer fixes

Voice Recognition:

- Google Assistant may not work for an ignition cycle.

Export Only:

- If a DAB announcement comes in while in CarPlay, the CarPlay audio does not automatically resume playing after the announcement is done

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.

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.
- 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.

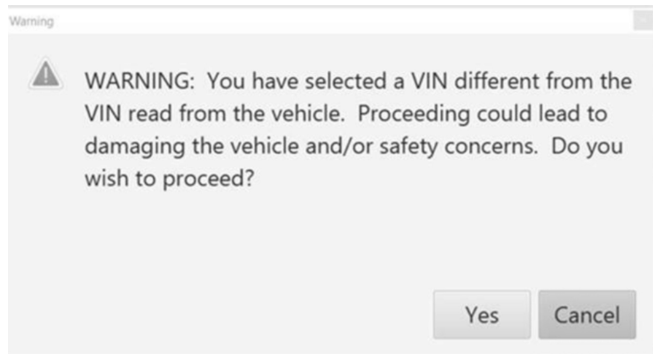
- For the TLC application, service technicians need to always ensure that the power mode (ignition) is “ON” before reading the VIN from the vehicle’s VIN master module and that they do not select a VIN that is already in the TLC application memory from a previous vehicle.
- If the VIN that shows up in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

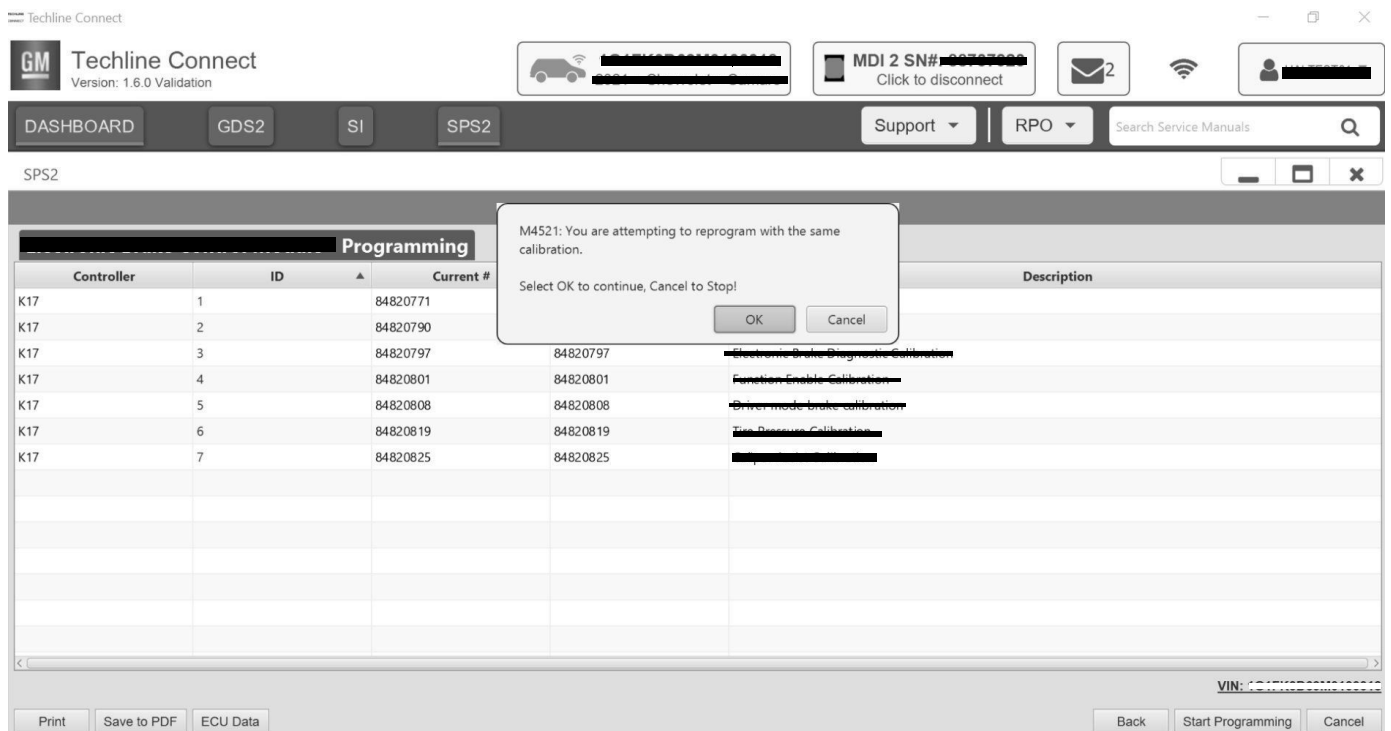
The screenshot displays the Techline Connect SPS2 interface. At the top, the GM logo and 'Techline Connect Version: 1.8.0.2 Production' are visible. A navigation bar includes 'DASHBOARD', 'GDS2', 'SI', and 'SPS2'. The main content area is titled 'Welcome to Service Programming System 2'. On the left, a VIN selection dropdown menu is highlighted with a circled '1'. The selected VIN is '1GNSKGM1M1R100175'. Below this, vehicle details are shown: Model: Suburban - 4WD, Type: -, Make: Chevrolet, Year: 2021, and a Job Card field. On the right, a 'Connect Vehicle' button is highlighted with a circled '2'. Below it, the text 'Diagnostic Tool Ready! J2534' and 'Selected Programming Process: Reprogram' are displayed. At the bottom, system information is provided: Java Version: 1.8.0_92, SPS2 Version: 2.8.5.5060, and Windows Version: Windows 10. Buttons for 'Print' and 'Settings' are located at the bottom left.

5743643

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



5877000

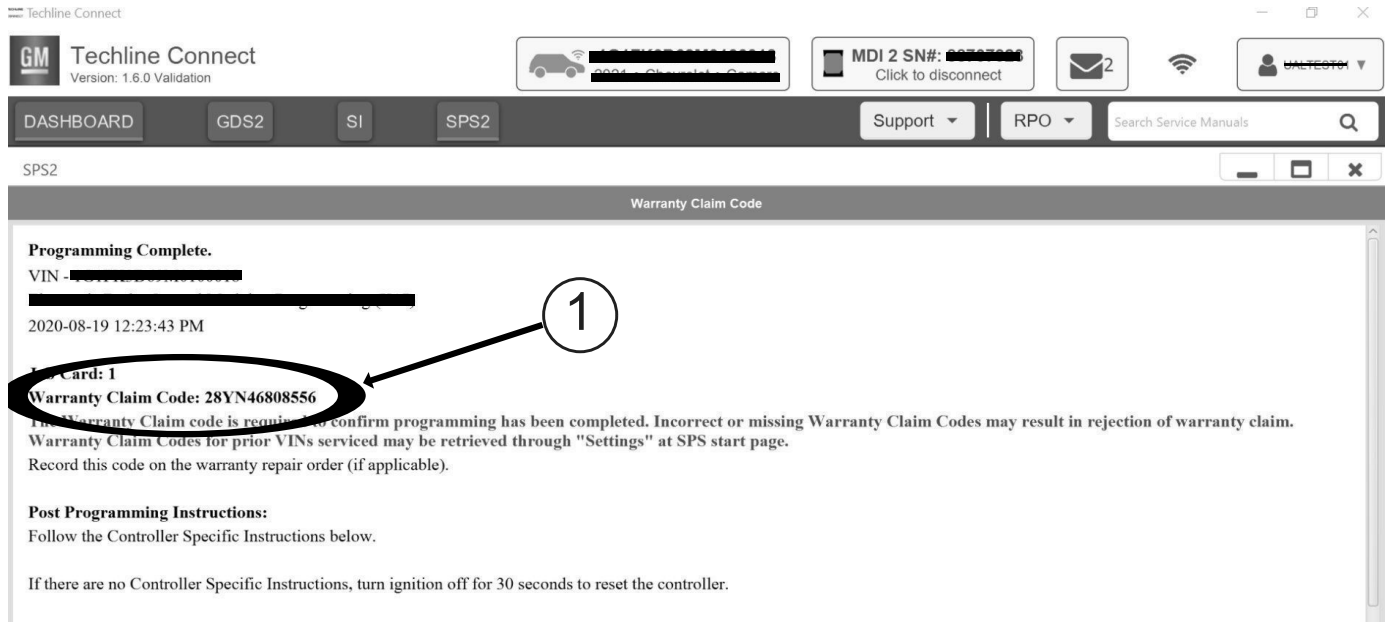


5644477

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 Radio. Refer to *A11 Radio: Programming and Setup*.



5644478

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.

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

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
*2810335	Radio Reprogramming with SPS	Use Published Labor Operation Time

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

Labor Operation	Description	Labor Time
<p>Labour Time [Top]</p> <p>Labour Operation Code:</p> <p>Additional labour op code information: <input type="text"/></p> <p>SPS Warranty Claim Code: <input type="text"/></p>		

6125814

- 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

The screenshot shows a software interface with a 'Warranty Claim Code' dialog box. The dialog box has a tabbed interface with 'Warranty Claim Code' selected. It contains a table with the following data:

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

Arrow 1 points to the 'Settings' button in the bottom left of the main interface. Arrow 2 points to the 'Warranty Claim Code' tab in the dialog box.

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 December 20, 2024

