TECHNICAL

Subject: Radio Software Version W161 – Multiple Updates

> **This bulletin replaces PIT5866B and PIT5875. Please discard all previous copies of PIT5866B and PIT5875.**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Tahoe Suburban	2022	2022				
GMC	Yukon Yukon XL	2022	2022				

Involved Region or Country	United States, Canada, Mexico, Uzbekistan, Russia, Middle East, Bolivia (West), Chile (West), Colombia (West), Ecuador (West), Peru (West), Cadillac Korea (South Korea), Thailand (ASEAN)
Additional Options (RPOs)	Equipped with RPO IOK
Condition	Some customers may comment on 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 W161, 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.

W161 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:

Radio:

- That the home screen bar may be missing on the left side of the display (only happens in guest profile).
- Presets may be lost over an ignition cycle.
- Home button may be inoperable.
- Multiple apps may be inoperable, such as MyGMC and CarPlay.
- Return to dealer message on Display Center Stack Module (CSM) may be present.

Phone:

- Phone settings may not retain over ignition cycle, unable to delete paired phones, etc.
- Call audio may be lost when a customer gets a second call while they are on the first call.

Cluster (IPC):

- Log in as guest message may be present on Integrated Center Stack (ICS) — Demo Mode

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.**
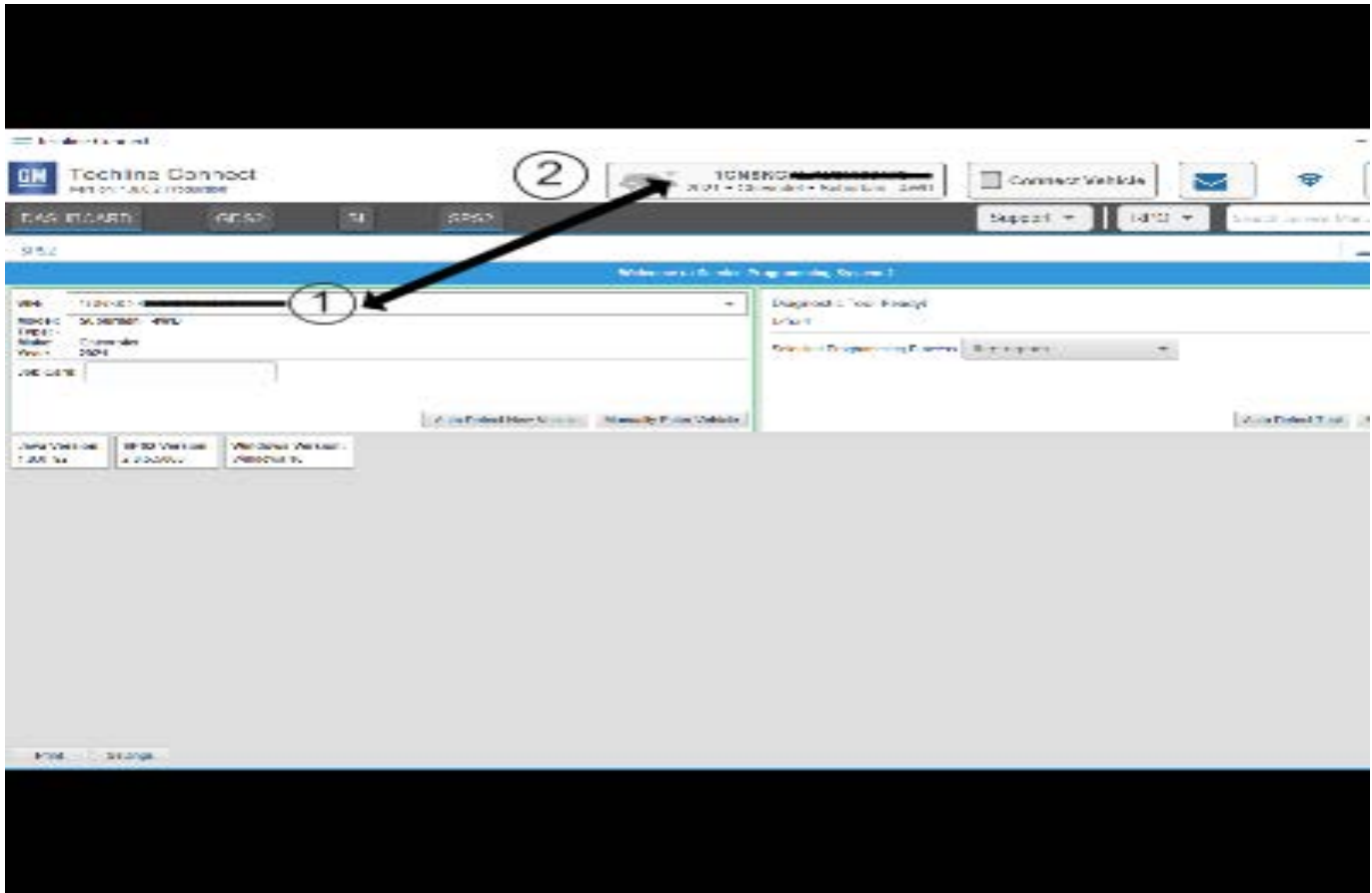
Caution: Before downloading the update files, be sure the computer is connected to the internet through a network cable (hardwired). DO NOT DOWNLOAD or install the files wirelessly. If there is an interruption during programming, programming failure or control module damage may occur.

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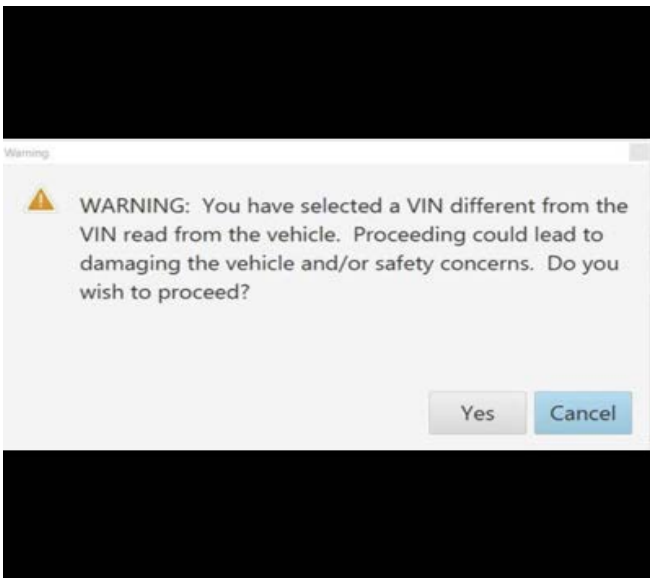
- For the TLC application, service technicians need to always ensure that the power mode (ignition) is "ON" before reading the VIN from the vehicle's VIN master module and that they do not select a VIN that is already in the TLC application memory from a previous vehicle.
- If the VIN that shows up in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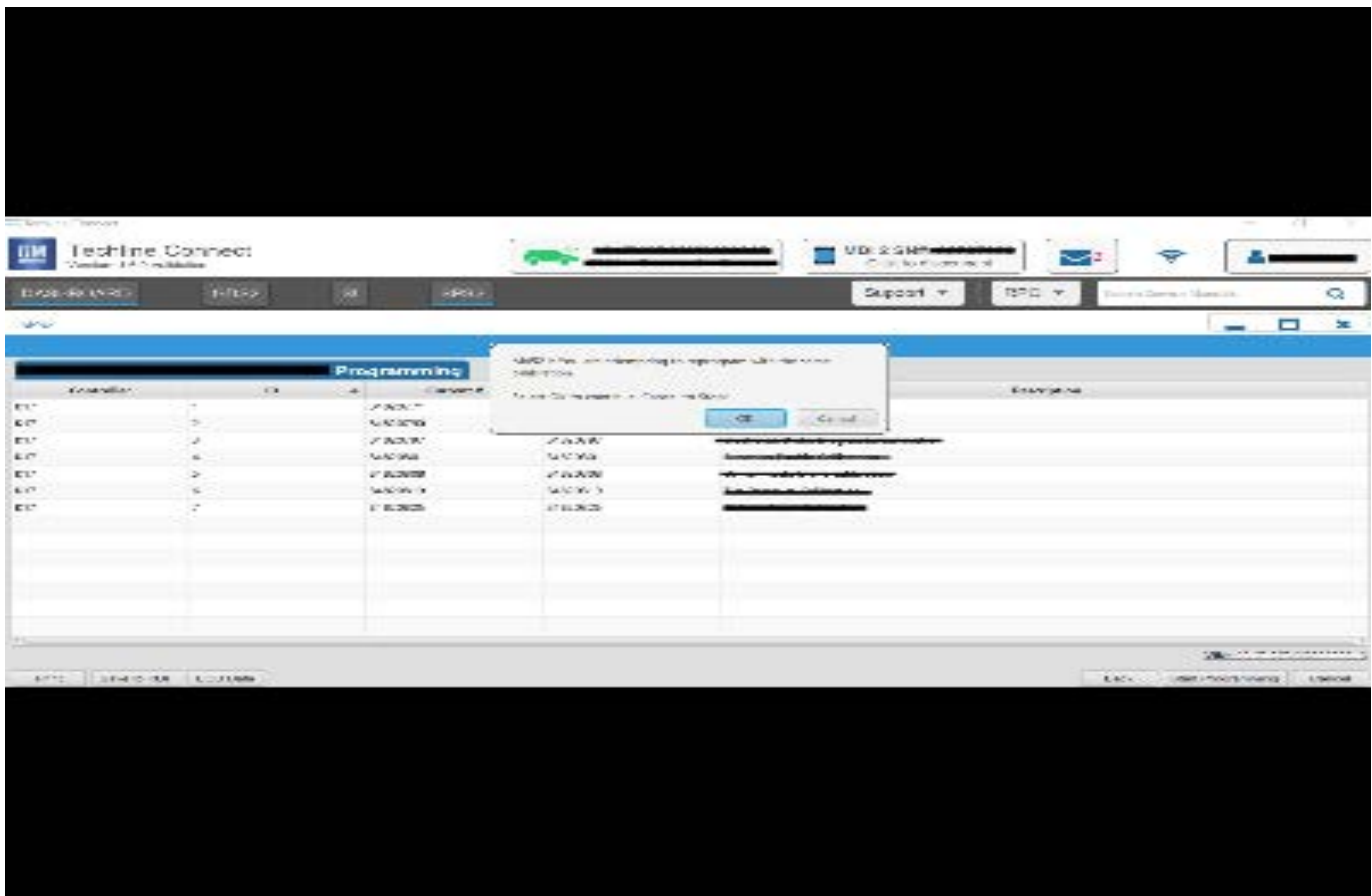

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Important: If the vehicle VIN DOES NOT match, the message below will be shown

Warning

⚠ 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?

[Yes] [Cancel]

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Important: Techline Connect and TIS2WEB screens shown above.

Important: If the same calibration/software warning is noted on the TLC or SPS 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. Inspect the current radio software version. Navigate to Settings -> About -> Build Number -> Information "i" to view and verify the software version. If the build number is less than W161, update the radio software.

   • If the build number is W161 or greater, this bulletin does not apply.

   • If the build number is less than W161, update the radio software.

Tip:

   • Once the USB update is initiated, there is no need to monitor the progress.

   • If an Infotainment over the air (OTA) update is present in the radio Updates menu, check for and reference any applicable field action bulletins first.

   • If the radio displays Conditions are not ideal, there are many reasons this can display but be aware that stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming.

Caution: to avoid potential programming errors that might result in a Cadillac splash animation being displayed on non-Cadillac models, ensure both programming events (Programming and USB File Transfer) are performed.

2. Install the radio software update via USB. Refer to *A11 Radio: Programming and Setup in the Service Manual*.

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Note: The screenshots above are 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.

3. Record Warranty Claim Code on job card for warranty transaction submission.
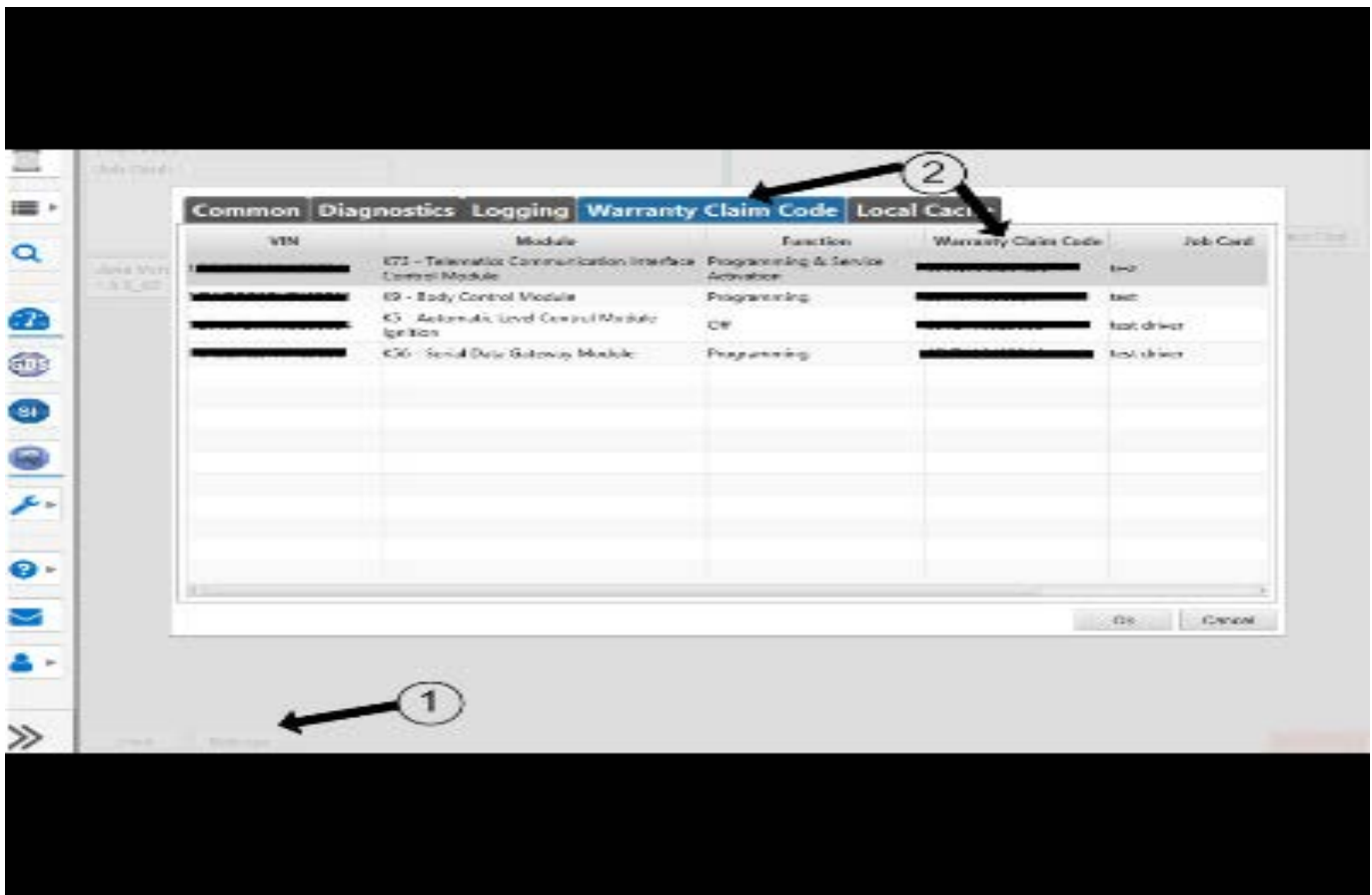
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Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
*2888458	Reprogram Radio - W161 software for IOK	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:

- The Warranty Claim Code must be accurately entered in the "SPS 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 "SPS Warranty Claim Code" field of the transaction, otherwise the transaction will reject. It is best practice to enter the FINAL code provided by SPS/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:

1. Open TLC on the computer used to program the vehicle.
2. Select and start SPS2.
3. Select Settings.
4. Select the Warranty Claim Code tab.

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	3
Modified	Released February 08, 2022
	Revised February 18, 2022 – Updating Warranty Information Labor Operation and Subject.
	Revised October 17, 2022 – Added PI reference to supersede statement.