



# Service Bulletin

Bulletin No.: 24-NA-056

Date: April, 2024

## TECHNICAL

**Subject: Radio Software Version W27E-172.5.1-M169-SQBR4-126.4**

| Brand:    | Model:    | Model Year: |      | VIN: |    | Engine: | Transmission: |
|-----------|-----------|-------------|------|------|----|---------|---------------|
|           |           | from        | to   | from | to |         |               |
| Cadillac  | LYRIQ     | 2024        | 2024 |      |    |         |               |
| Chevrolet | Blazer EV | 2024        | 2024 |      |    |         |               |

|                                   |   |
|-----------------------------------|---|
| <b>Involved Region or Country</b> | North America   |
| <b>Additional Options (RPOs)</b>  | Equipped with RPO IVD   |
| <b>Condition</b>                  | Some customers may comment on software related issues. Continuous improvement software updates are being released with improvements made in several areas.  |
| <b>Cause</b>                      | The cause of the condition may be software anomalies.   |
| <b>Correction</b>                 | <p>A new radio software update, version W27E-172.5.1-M169-SQBR4-126.4, was released to service for vehicles equipped with Infotainment system RPO IVD being brought into the service department. 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; fleet customers may need the dealer to reprogram the radio with the new software package.</p> <p>This new radio software update has been released via an Over-the Air-Update. Customer will receive a Software Update notification once the software has been downloaded to their vehicle. Customers need to accept the OTA when prompted.</p> <p><b>Caution:</b> to avoid potential programming errors, ensure both programming events (Programming and USB File Transfer) are performed.</p> <p><b>Important:</b> Improvements will vary by model, build configuration, system, and sales region. Not all vehicles have all features.</p> <p><b>Important: Blazer EV ONLY:</b> when updating radio please refer to N242436241 for labor time information.</p> <p><b>Important: LYRIQ ONLY:</b> when updating radio refer to PIT 6065 for labor time information.</p> |

### Notable Improvements:

- Virtual controls may not pop up on the radio display.

### 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.**

**Important:** This technical service bulletin (TSB) can only be completed by certified repair facilities who have met all specific training, tool and equipment requirements pertaining to the vehicle Brand and Model serviced. Repairs must be performed by a technician who has successfully completed the required training.

**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](http://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.

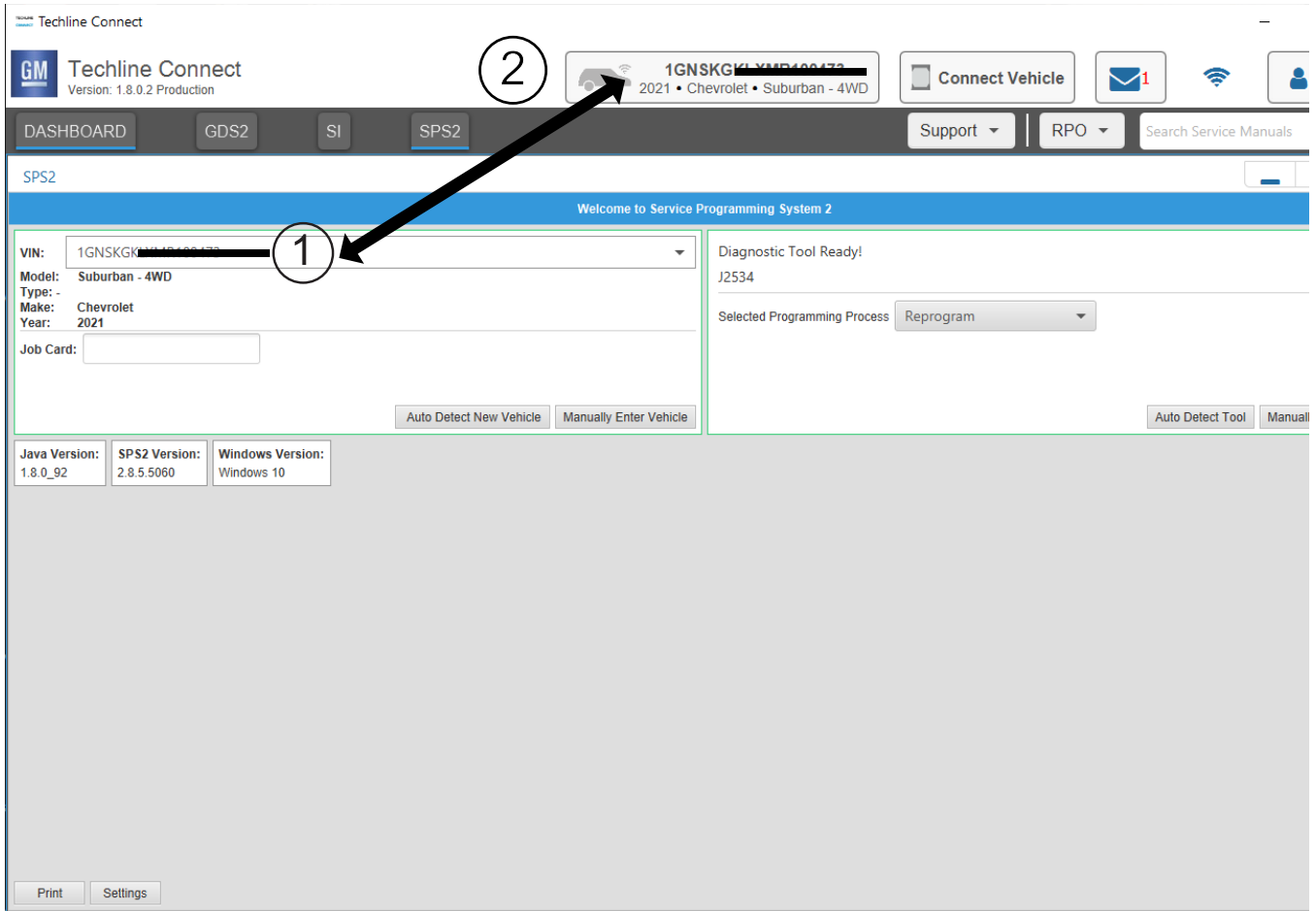
**Important:** The service technician always needs to verify that the VIN displayed in the TLC left side drop down menu and the top center window match the VIN plate of the vehicle to be programmed prior to using Service Programming System 2 (SPS2) for programming or reprogramming a module.

- 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.

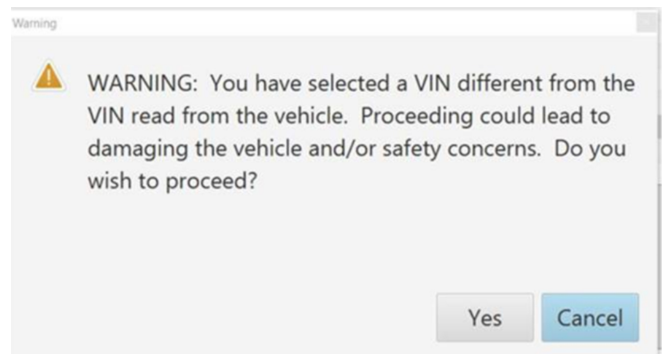
- If the VIN that shows up in the TLC top center window after correctly reading the VIN from the vehicle does not match the VIN plate of the vehicle, manually type in the VIN characters from the vehicle VIN plate into the TLC top center window and use these for programming or reprogramming the subject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



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



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The screenshot shows the Techline Connect SPS2 Programming interface. A modal dialog box is displayed in the center with the following text: "M4521: You are attempting to reprogram with the same calibration. Select OK to continue, Cancel to Stop!". The dialog has "OK" and "Cancel" buttons. In the background, a table lists programming items for K17 controllers. The table has columns for Controller, ID, Current #, and Description. The descriptions are partially obscured by redaction bars.

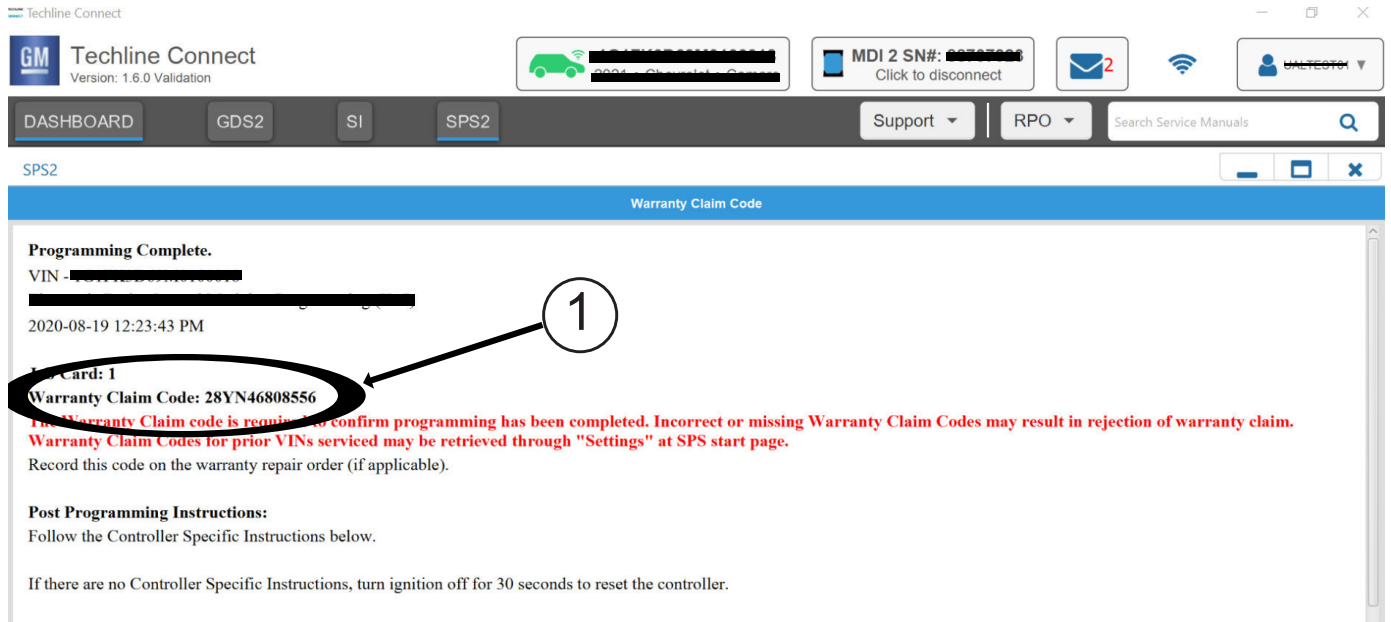
| Controller | ID | Current # | Description   |
|------------|----|-----------|---|
| K17        | 1  | 84820771  |   |
| K17        | 2  | 84820790  |   |
| K17        | 3  | 84820797  | 84820797 <del>Electronic Brake Diagnostic Calibration</del> |
| K17        | 4  | 84820801  | 84820801 <del>Function Enable Calibration</del>             |
| K17        | 5  | 84820808  | 84820808 <del>Driver mode brake calibration</del>           |
| K17        | 6  | 84820819  | 84820819 <del>Pre-Pressure Calibration</del>                |
| K17        | 7  | 84820825  | 84820825 <del></del>  |

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



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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.

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

**Warranty Information**

| Labor Operation    | Description   | Labor Time                         |
|--------------------|---|------------------------------------|
| 9107074*           | For Blazer EV refer to N242436241 for labor time information. | Use Published Labor Operation Time |
| 2889878* / 2888068 | For LYRIQ refer to PIT6065 for labor time information.        |                                    |

|                 |   |
|-----------------|---|
| <b>Version</b>  | 2   |
| <b>Modified</b> | Released March 20, 2024<br>Revised April 26, 2024 - Added Cadillac LYRIQ and reference for proper labor time. |

