



Service Bulletin

Bulletin No.: 24-NA-278

Date: January, 2025

TECHNICAL

Subject: BCM Software Update Needed – DTC B1AAE.13: Passive Entry Closure 2 Antenna Circuit High - Circuit Open

Brand:	Model:	Model Year:		Build Date Breakpoint:		Engine:	Transmission:
		from	to	from	to		
Cadillac	LYRIQ	2024	2024	SOP	March 1, 2024	—	—

Involved Region or Country	North America, Europe, Cadillac Korea (South Korea), China, Japan
Condition	Some customers may comment on one or more of the following conditions: • Passive Entry functions are not working • Service Door Latch message • Service Driver/Door message • Service Keyless Start message • A no start condition Technicians may find one or more of the following DTCs set current or in recent history: • B1AAE.13: Passive Entry Closure 2 Antenna Circuit High - Circuit Open Important: This bulletin should only be followed if DTC B1AAE.13 is set or in recent history, otherwise refer to SI for further information.
Cause	The cause of the condition may be that the front fascia antenna was added to the LYRIQ vehicles late and BCM software was not updated properly, setting the DTC.
Correction	Verify the BCM has the latest software, clear DTCs and confirm the DTCs are gone. If B1AAE.13 returns, refer to diagnostic information in service information (SI) for further details.

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 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.

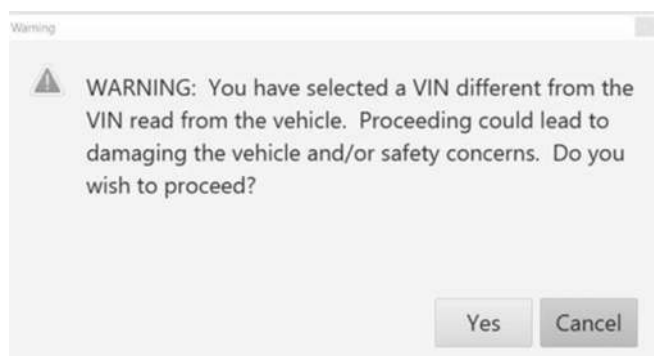
- For the TLC application, service technicians need to always ensure that the power mode (ignition) is “ON” before reading the VIN from the vehicle’s VIN master module and that they do not select a VIN that is already in the TLC application memory from a previous vehicle.
- If the VIN that shows up in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

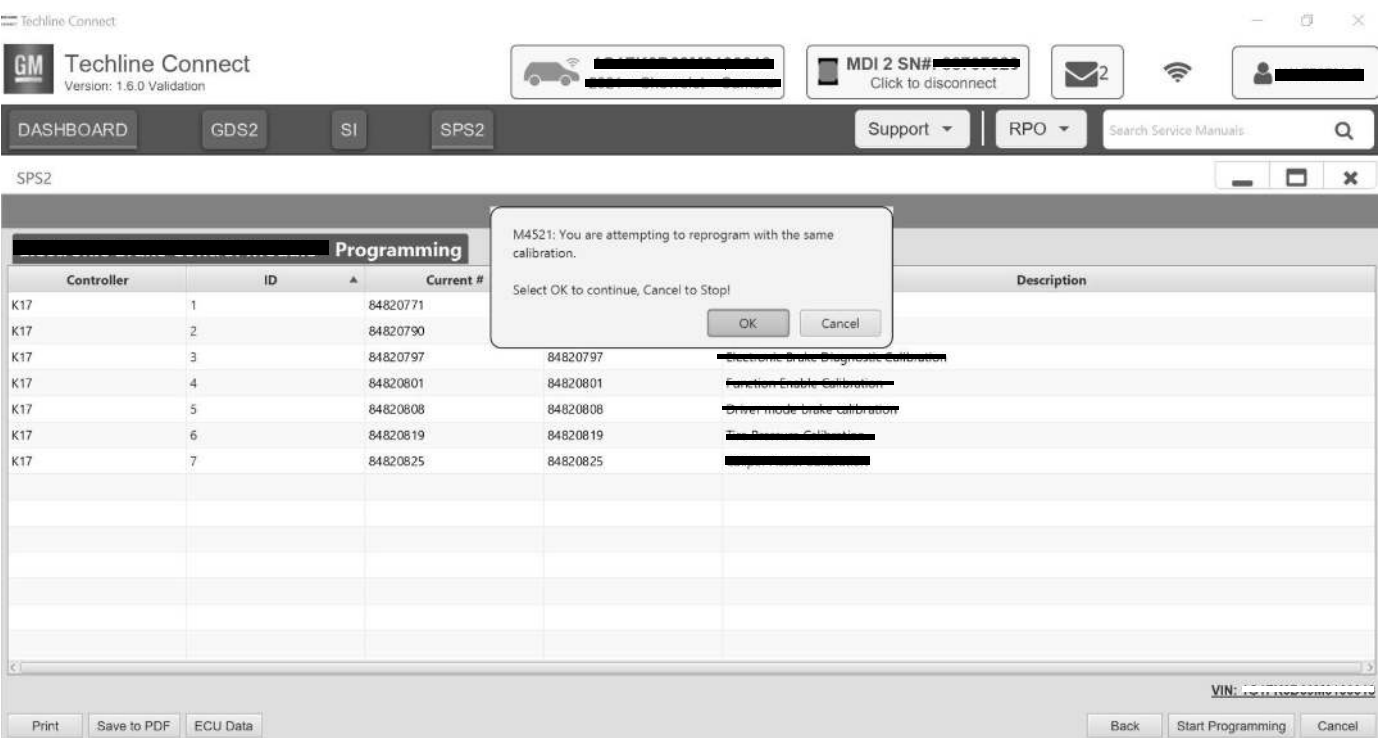
The screenshot shows the Techline Connect SPS2 interface. At the top, there is a header with the GM logo and 'Techline Connect Version: 1.8.0.2 Production'. Below this is a navigation bar with tabs for DASHBOARD, GDS2, SI, and SPS2. The SPS2 tab is active. On the right side of the header, there is a 'Connect Vehicle' button, a notification icon with the number '1', and a user profile icon. Below the navigation bar, there is a 'Welcome to Service Programming System 2' message. The main area is divided into two columns. The left column contains a form with the following fields: VIN (1GNSKGK1YMD100173), Model (Suburban - 4WD), Type (-), Make (Chevrolet), Year (2021), and Job Card. Below these fields are buttons for 'Auto Detect New Vehicle' and 'Manually Enter Vehicle'. The right column contains a 'Diagnostic Tool Ready!' message with the code J2534, a 'Selected Programming Process' dropdown menu set to 'Reprogram', and buttons for 'Auto Detect Tool' and 'Manual'. At the bottom left, there are buttons for 'Print' and 'Settings'. At the bottom right, there are status boxes for 'Java Version: 1.8.0_92', 'SPS2 Version: 2.8.5.5060', and 'Windows Version: Windows 10'. A black arrow points from a circled '1' to the VIN field and from a circled '2' to the vehicle information box.

5743643

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



5877000

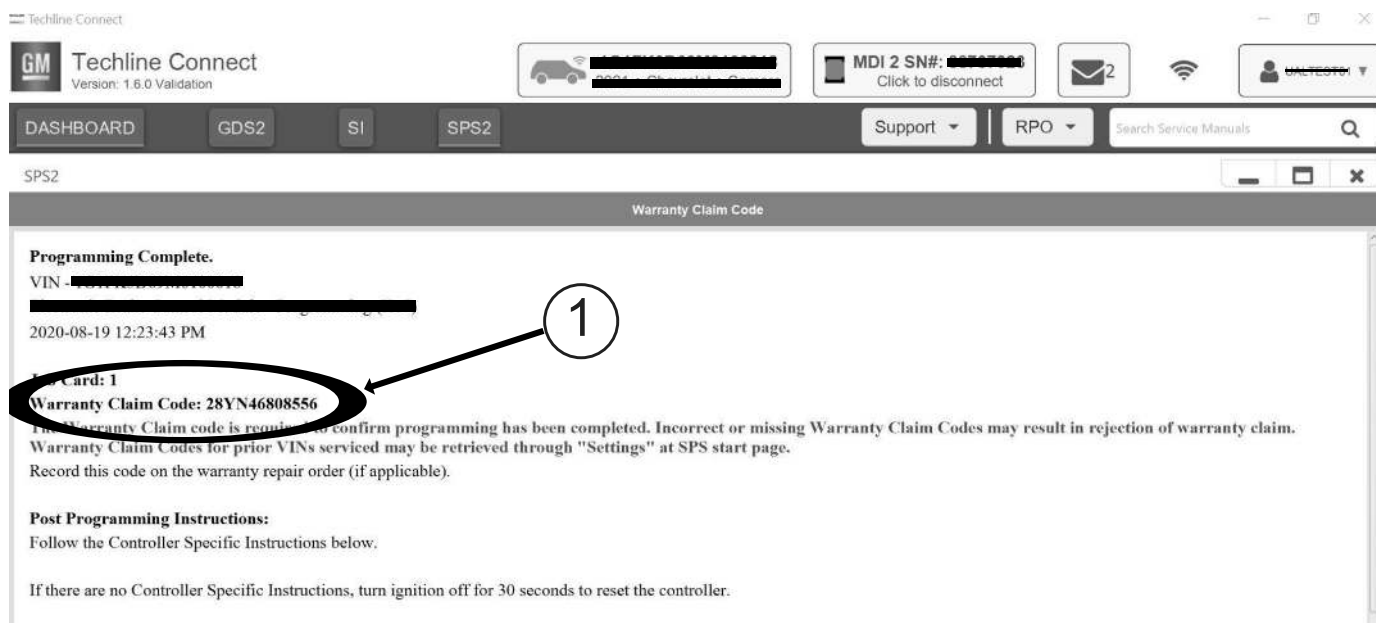


Important: Techline Connect screens shown above.

5644477

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. Record the WCC on the job card. No further action is required. Refer to the Warranty Information section of this bulletin.

1. Reprogram the Body Control Module. Refer to *K9 Body Control Module: Programming and Setup* in SI.



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

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
2889168*	Body Control Module Reprogramming with SPS for B1AAE.13 DTC and DTC Messages	0.5 hr

*This is a unique Labor Operation for bulletin use only.

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

6125814

The screenshot shows the GDS software interface. On the left is a vertical toolbar with icons for Home, Navigation, Search, Time, GDS, SI, GPS, Tools, Help, Mail, and User. The main area displays the 'Warranty Claim Code' window, which has tabs for Common, Diagnostics, Logging, Warranty Claim Code, and Local Cache. The 'Warranty Claim Code' tab is active, showing a table with columns: VIN, Module, Function, Warranty Claim Code, and Job Card. The table contains four rows of 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

At the bottom of the window are 'Ok' and 'Cancel' buttons. Below the window, there are 'Print' and 'Settings' buttons. Two numbered arrows indicate key actions: Arrow 1 points to the 'Settings' button, and Arrow 2 points to the 'Warranty Claim Code' tab.

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	2
Modified	Released January 06, 2025 Revised January 23, 2025 – Added build date breakpoint and Important statement to Condition section.

