



Service Bulletin

Bulletin No.: 20-NA-233

Date: April, 2021

TECHNICAL

Subject: Long Range Radar Setting DTC U3000 49

Brand:	Model:	Model Year:		Breakpoint Dates:		Engine:	Transmission:
		from	to	from	to		
Buick	Envision	2021	2021	SOP	Prior to October 12, 2020	—	—
Cadillac	CT4	2021	2021	SOP	Prior to June 14, 2021		
	CT5				Prior to November 4, 2020		
	Escalade						
	Escalade ESV						
Chevrolet	Tahoe	2021	2021	SOP	Prior to November 4, 2020		
	Suburban						
GMC	Yukon	2021	2021	SOP	Prior to November 4, 2020		
	Yukon XL						

Involved Region or Country	North America, Russia, Middle East, Israel, Palestine, Japan, Cadillac Korea (South Korea), Chile, Colombia, Ecuador, Peru, Thailand
Additional Options (RPOs)	Equipped with RPO UGN
Condition	Some customers may comment on the Adaptive Cruise Control being unavailable with a Service Driver Assist message displayed. Technicians may find DTC U3000 49 set current or in recent history.
Cause	The cause of the condition may be an issue with the Long Range Radar (LRR) setting the DTC due to highly reflective environments.
Correction	There is software released that will correct issue. Reprogram the Long Range Radar (LRR).

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.

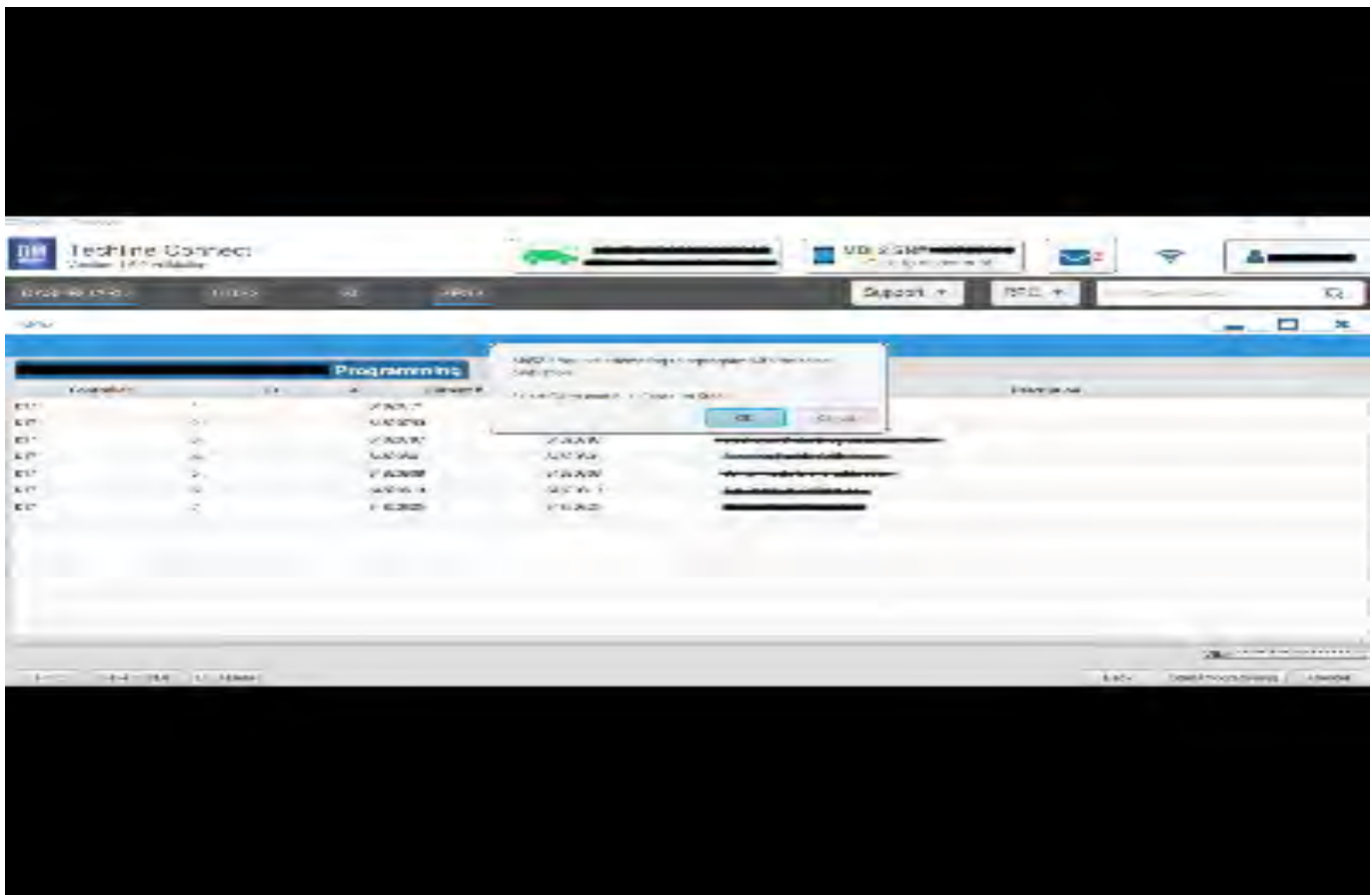
Note: Carefully read and follow the instructions below.

- 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

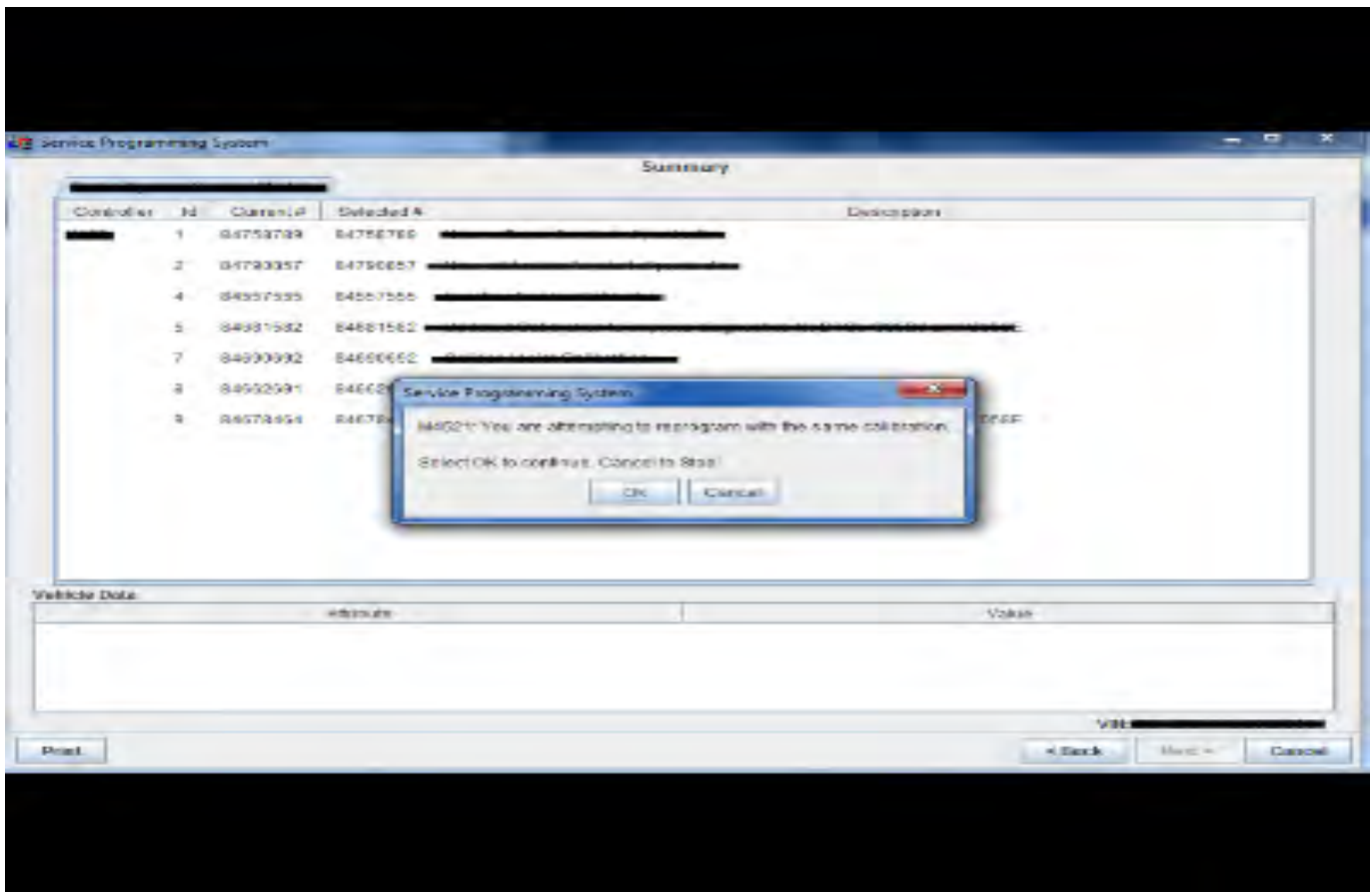
voltage. Refer to www.gmdesolutions.com for further information. If not available, connect a fully charged 12V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.

- Ensure the ignition is turned OFF. Load on the vehicle's battery such as; interior lights, exterior lights (including daytime running lights), HVAC, etc. may affect the download process.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.

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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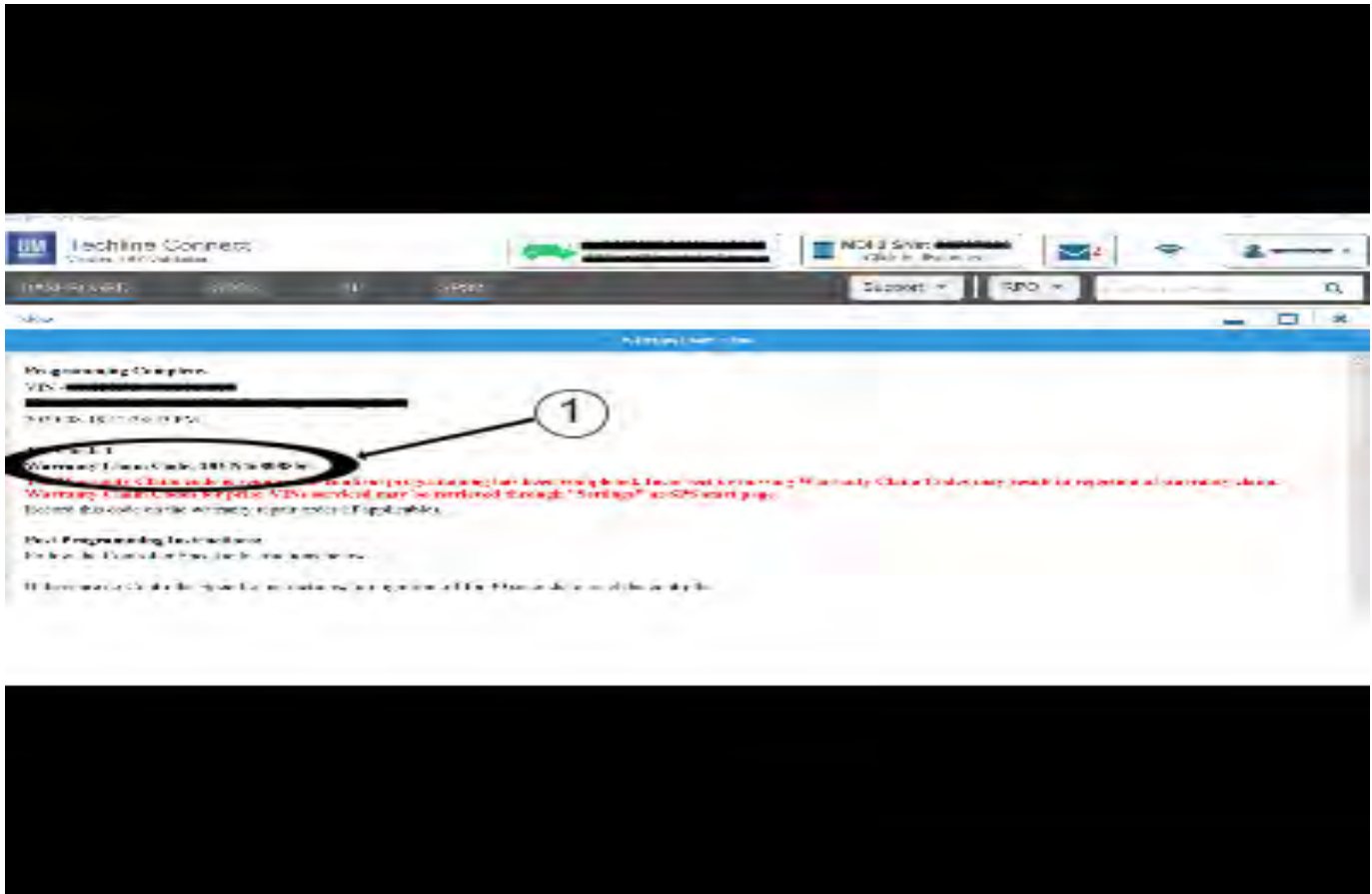
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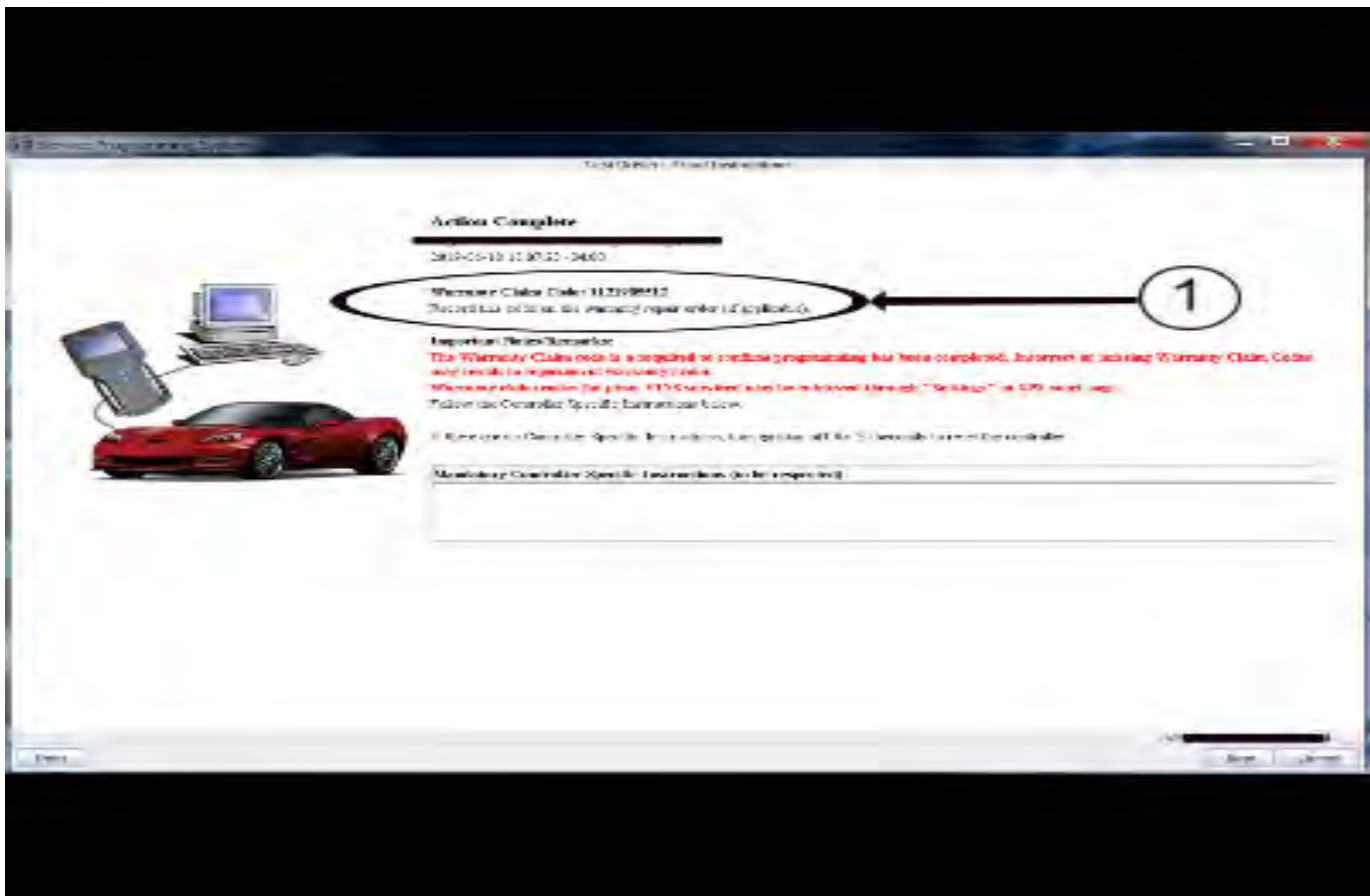
Important: Techline Connect and TIS2WEB screens shown above.

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 Information section of this bulletin.

Important: When programming a module in GM's new Vehicle Intelligence Platform, or VIP, the power mode (ignition) needs to be off or errors may occur. This involves the 2020 Chevrolet Corvette, Cadillac CT5 and CT4, as well as the upcoming full-size Chevrolet, GMC, Cadillac SUVs and Buick Envision. Serial Data Message Authentication also needs to have the ignition off.

1. Reprogram the Long Range Radar. Refer to *B233B Forward Range Radar Sensor - Long Range: Programming and Setup* in SI.





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Note: The screenshots above are an example of module reprogramming, and may not be indicative of the specific module you're reprogramming.

Important: To avoid warranty transaction rejections, you **MUST** record the warranty claim code provided on the SPS Warranty Claim Code (WCC) screen shown above on the job card. Refer to callout 1 above for the location of the WCC on the SPS screen.

2. 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
2887108*	Reprogram Long Range Radar (LRR)	0.3 hr
*This is a unique Labor Operation for bulletin use only.		
<p>Important: To avoid warranty transaction rejections, carefully read and follow the instructions below:</p> <ul style="list-style-type: none"> • 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 SPS Warranty Claim Code was not recorded on the Job Card, the code can be retrieved in the SPS system as follows:

1. Open TLC/TIS on the computer used to program the vehicle.
2. Select and start SPS/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	2
Modified	Released December 23, 2020 April 15, 2021 – Added Cadillac CT4 and CT5 models, updated the Involved Region or Country section and updated the programming information.

