



Service Bulletin

Bulletin No.: 20-NA-210

Date: October, 2020

TECHNICAL

Subject: All-Wheel Drive Off and/or Service All-Wheel Drive System Messages Displayed in the DIC

This bulletin replaces PIC6416. Please discard all copies of PIC6416.

Brand:	Model:	Model Year:		Breakpoint Date:		Engine:	Transmission:
		from	to	from	to		
Buick	Encore GX	2020	2020	SOP	August 21, 2020		M3F
Chevrolet	Trailblazer (VIN M)	2021	2021				

Involved Region or Country	United States and Canada.
Additional Options (RPOs)	Equipped with RPO F48: Rear Differential Clutch Control Module
Condition	Some customers may comment on an All-Wheel Drive Off and/or Service All-Wheel Drive System messages displayed in the DIC (Driver Information Center). Upon the next full ignition cycle the AWD function will be restored. Technician may find DTC C15C9 SYM02 set current or in recent history. If the messages are being displayed, the AWD (All-Wheel Drive) system will be disabled without an actual fault.
Cause	The cause of the condition may be a software issue with the K47 Rear Differential Clutch Control Module.
Correction	Update the K47 Rear Differential Clutch Control Module with the latest software.

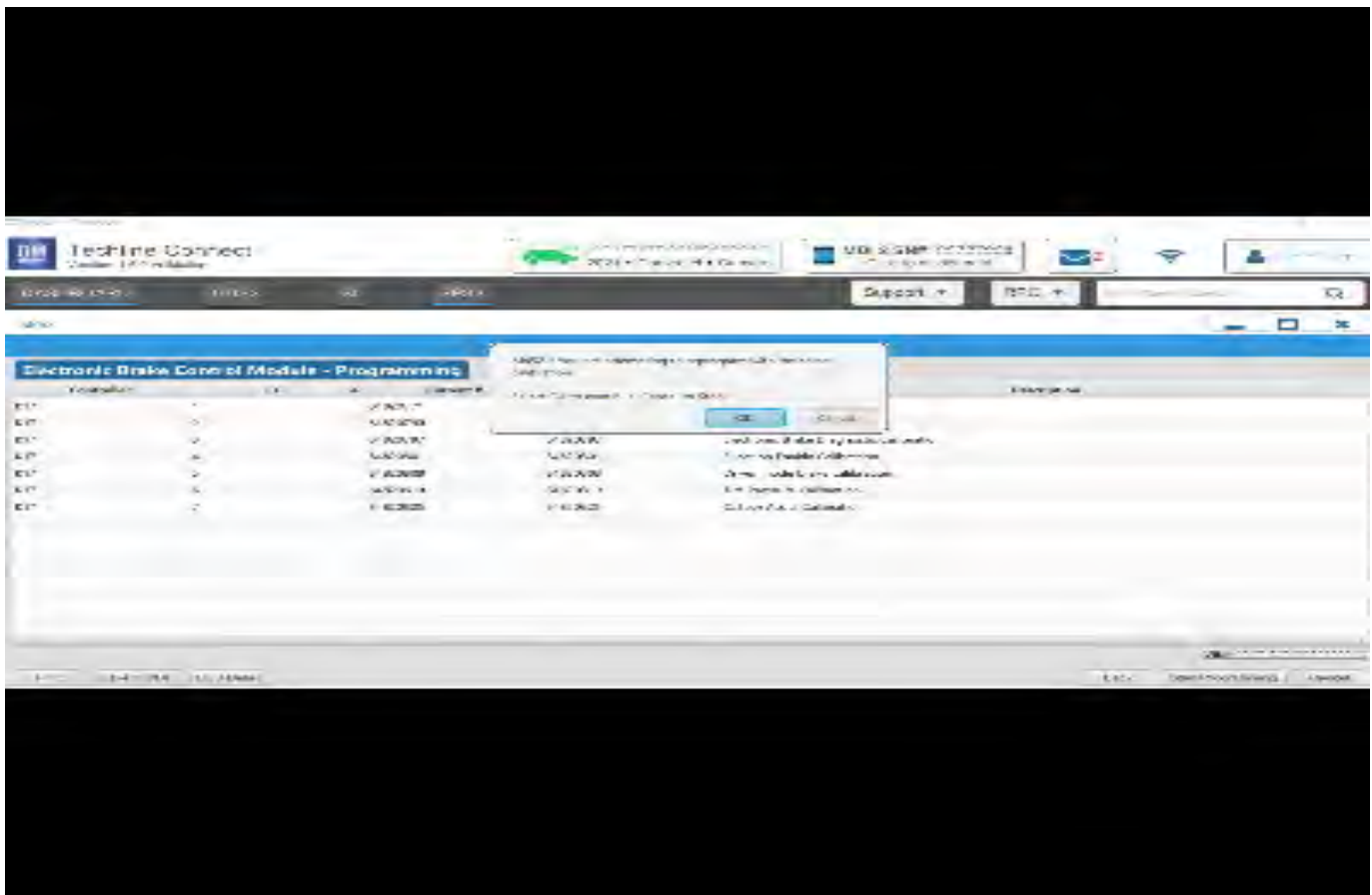
Service Procedure

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.

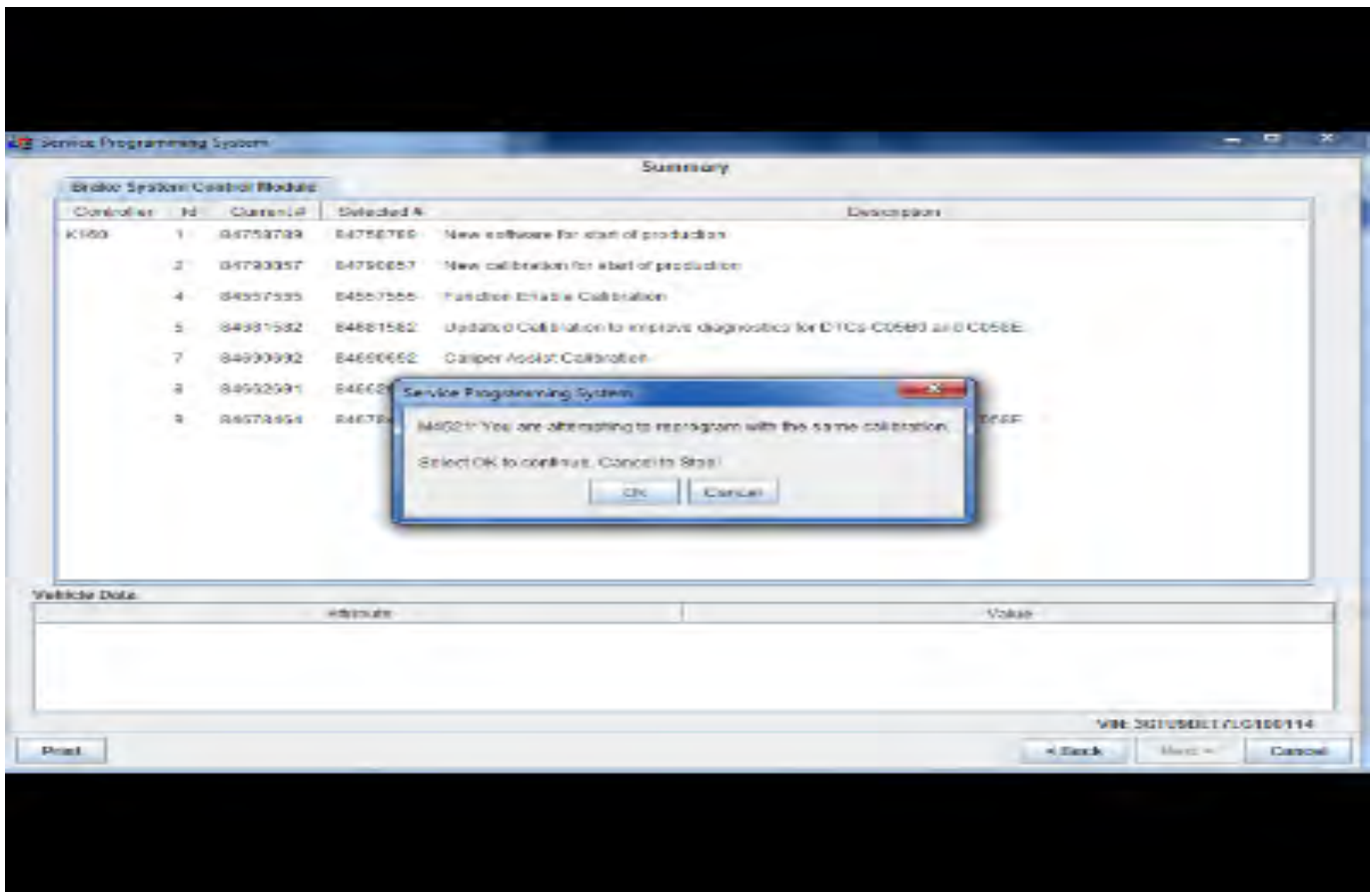
Note: Carefully read and follow the instructions below.

- 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 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.
- Turn OFF or disable systems that may put a load on the vehicles battery such as; interior lights, exterior lights (including daytime running lights), HVAC, radio, etc.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.



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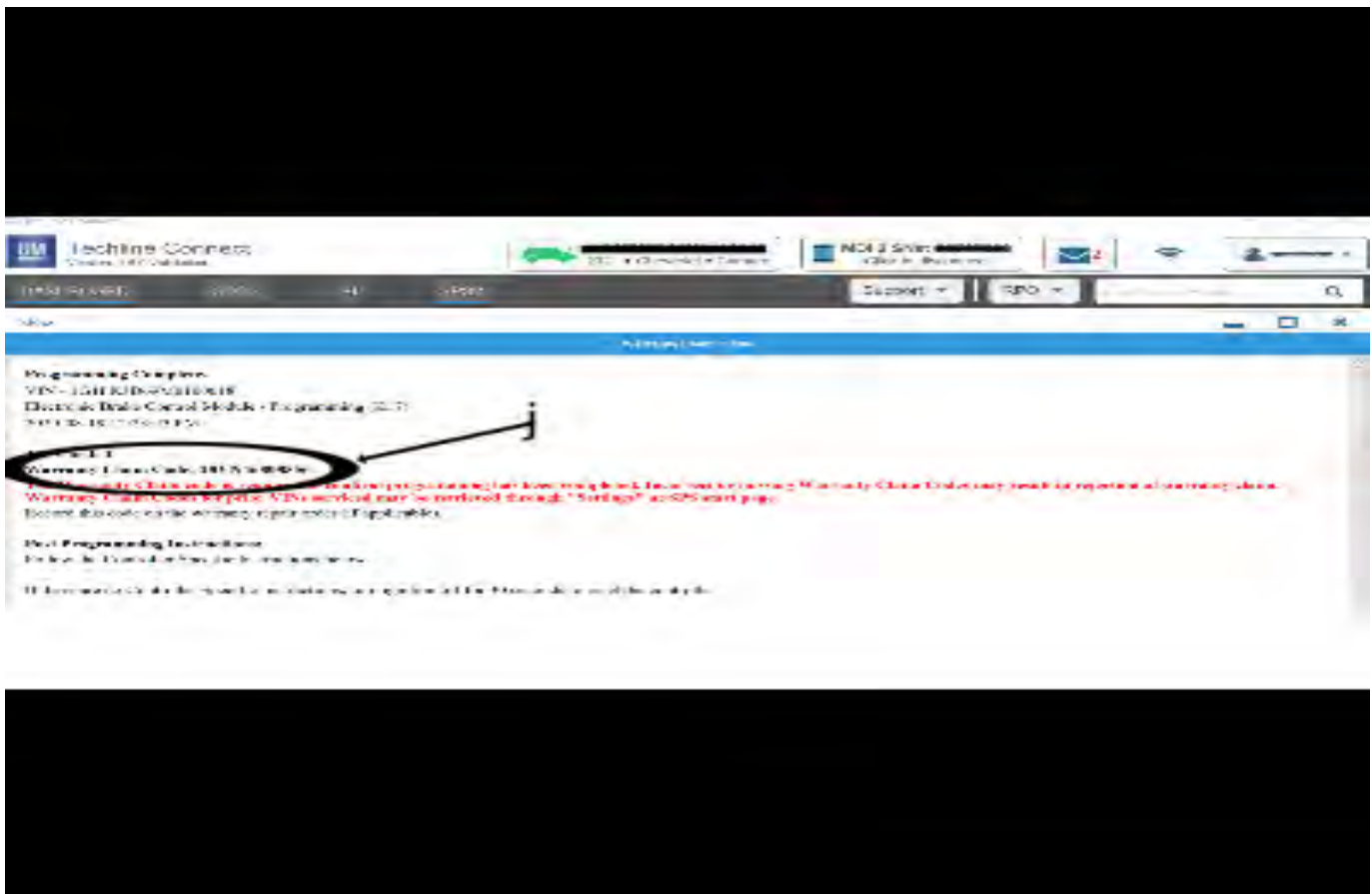
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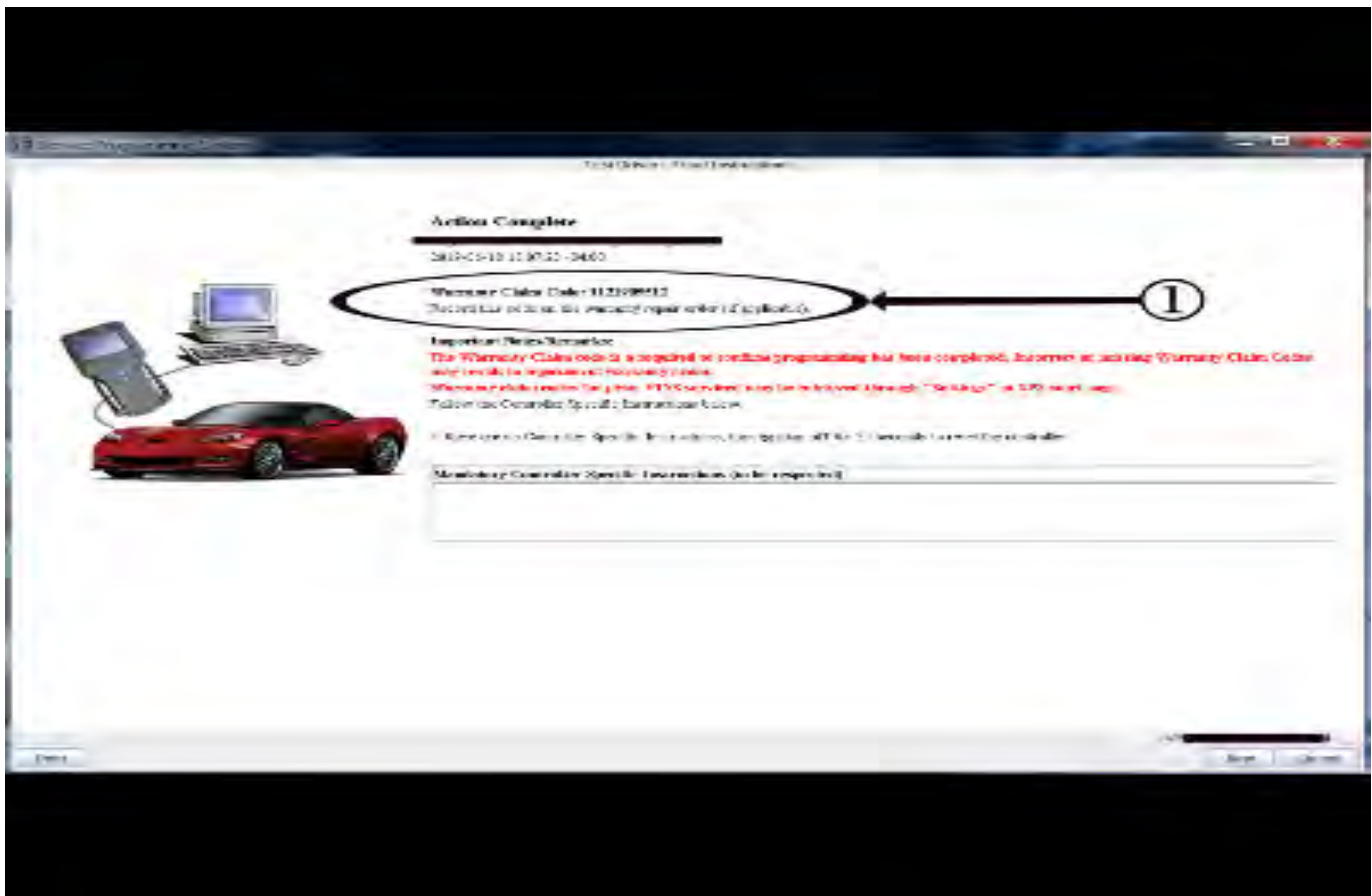
Important: Techline Connect and TIS2WEB screens shown above.

Important: : If the Same Calibration/Software Warning is noted on the TLC or SPS Summary screen, select OK and follow on-screen instructions. The system will generate a warranty claim code (WCC) for documentation purposes only. Perform service information (SI) diagnostics to determine the cause of the condition. Use the applicable labor operation code when submitting a warranty claim. Do NOT use the WCC with the warranty claim submission.

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 K47 Rear Differential Clutch Control Module. Refer to *K47 Rear Differential Clutch Control Module: Programming and Setup* in SI.





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

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
*2810695	Rear Differential Clutch Control Module Reprogramming with SPS	Use Published Labor Operation Time

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

- The SPS 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	1
Modified	Released October 22, 2020

