



Service Bulletin

Bulletin No.: 21-NA-176

Date: December, 2021

TECHNICAL

Subject: Airbag Warning Lamp Illuminated on Driver Information Center (DIC), DTC B0017 01 B0024 01 or B001E 01 Set

This bulletin replaces PIT5827A. Please discard all copies of PIT5827A.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	XT4	2021	2022	—	—	—	—
	XT5						
	XT6						
Chevrolet	Blazer	2021	2022	—	—	—	—
	Camaro						
	Malibu						
GMC	Acadia	2021	2022	—	—	—	—

Involved Region or Country	North America, Europe, Russia, Middle East, Israel, Palestine, Chile, Colombia, Paraguay, Peru, Japan, Cadillac Korea (South Korea), GM Korea Company, Thailand
Condition	Some customers may comment on an Airbag Warning Lamp illuminated on the Driver Information Center (DIC), or they got a notification from OnStar for an SIR concern with no lamps or messages. Technicians may find DTC B0017 01, B0024 01, or B001E 01 set.
Cause	The cause of the condition may be anomalies in the SDM software. This condition does not affect the operation of the system.
Correction	Verify the DTC B0017 01, B0024 01, or B001E 01 is in history. Reprogram the Inflatable Restraint Sensing and Diagnostic Module with the current SPS 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.

- " 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.

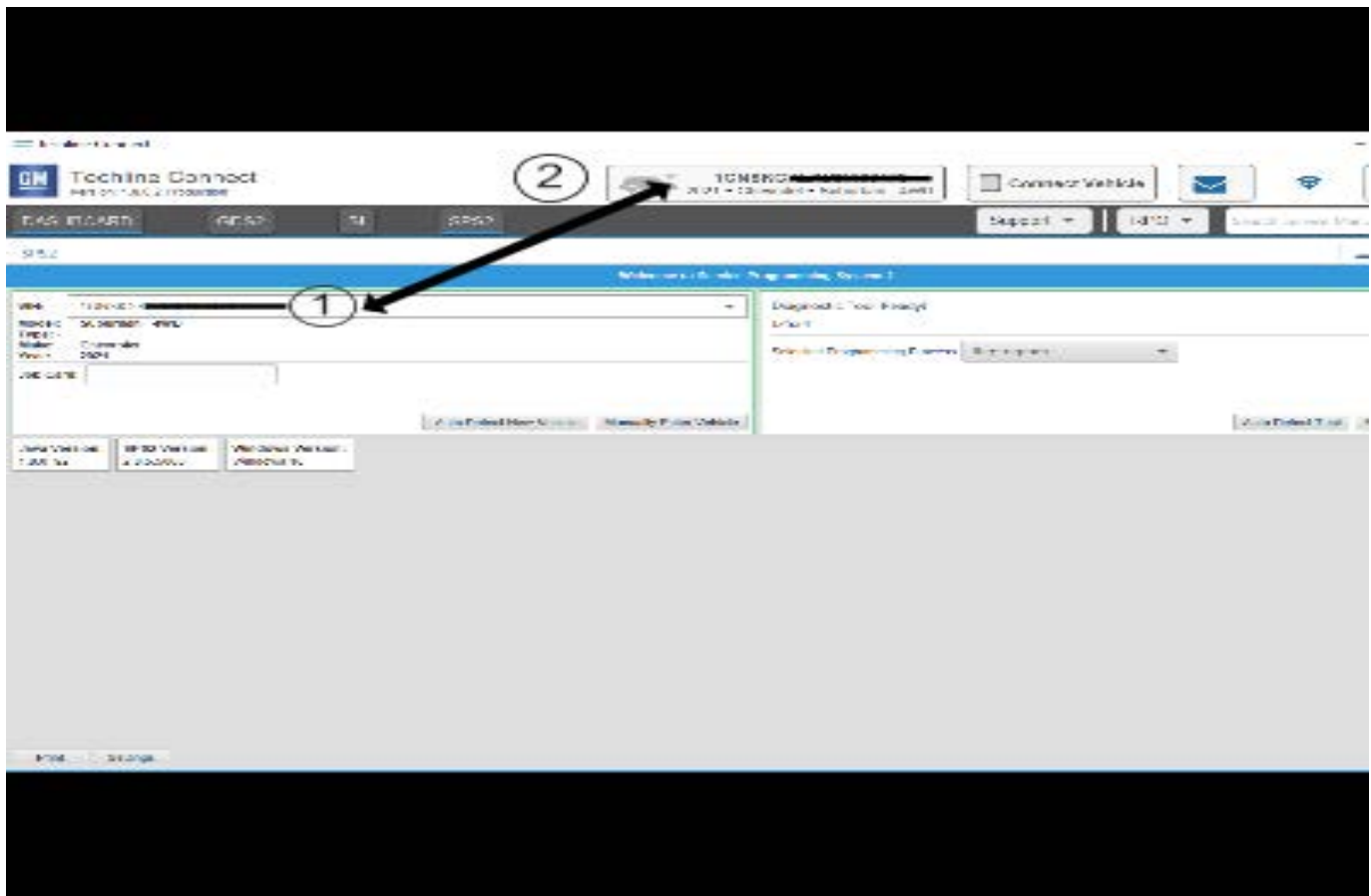
- " Follow the on-screen prompts regarding ignition power mode, but ensure that anything that drains excessive power (exterior lights, HVAC blower motor, etc) is off.
- " Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators 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.

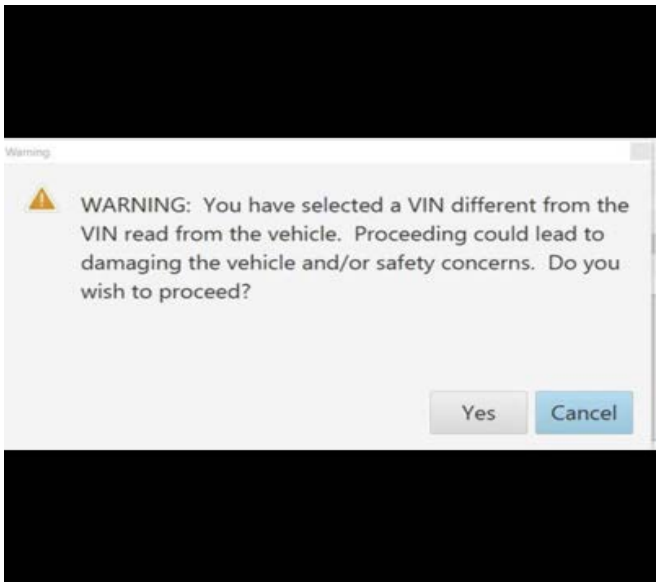
- " For the TLC application, service technicians need to always ensure that the power mode (ignition) is "ON" before reading the VIN from the vehicle's VIN master module and that they do not select a VIN that is already in the TLC application memory from a previous vehicle.
- " If the VIN that shows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

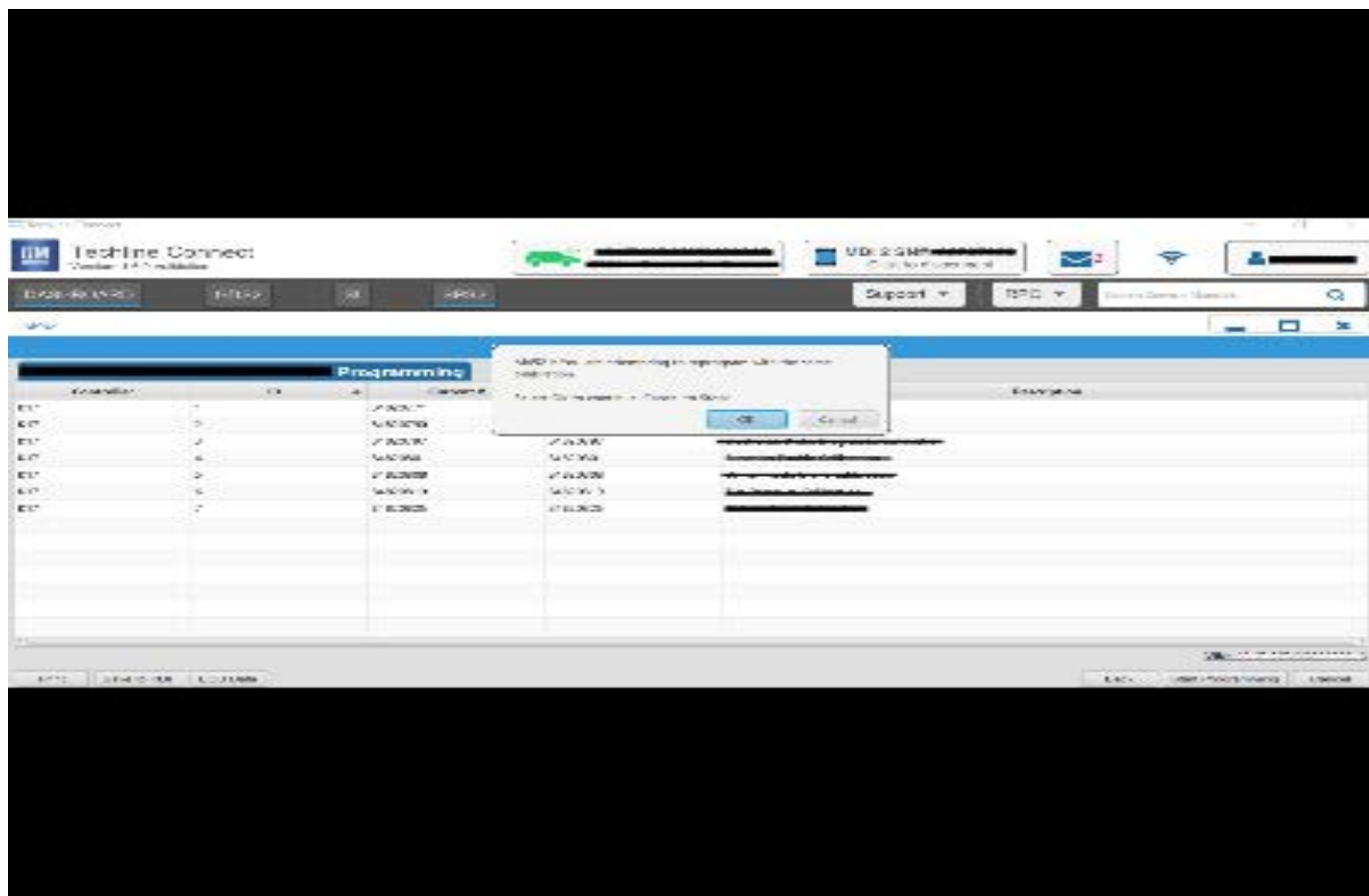


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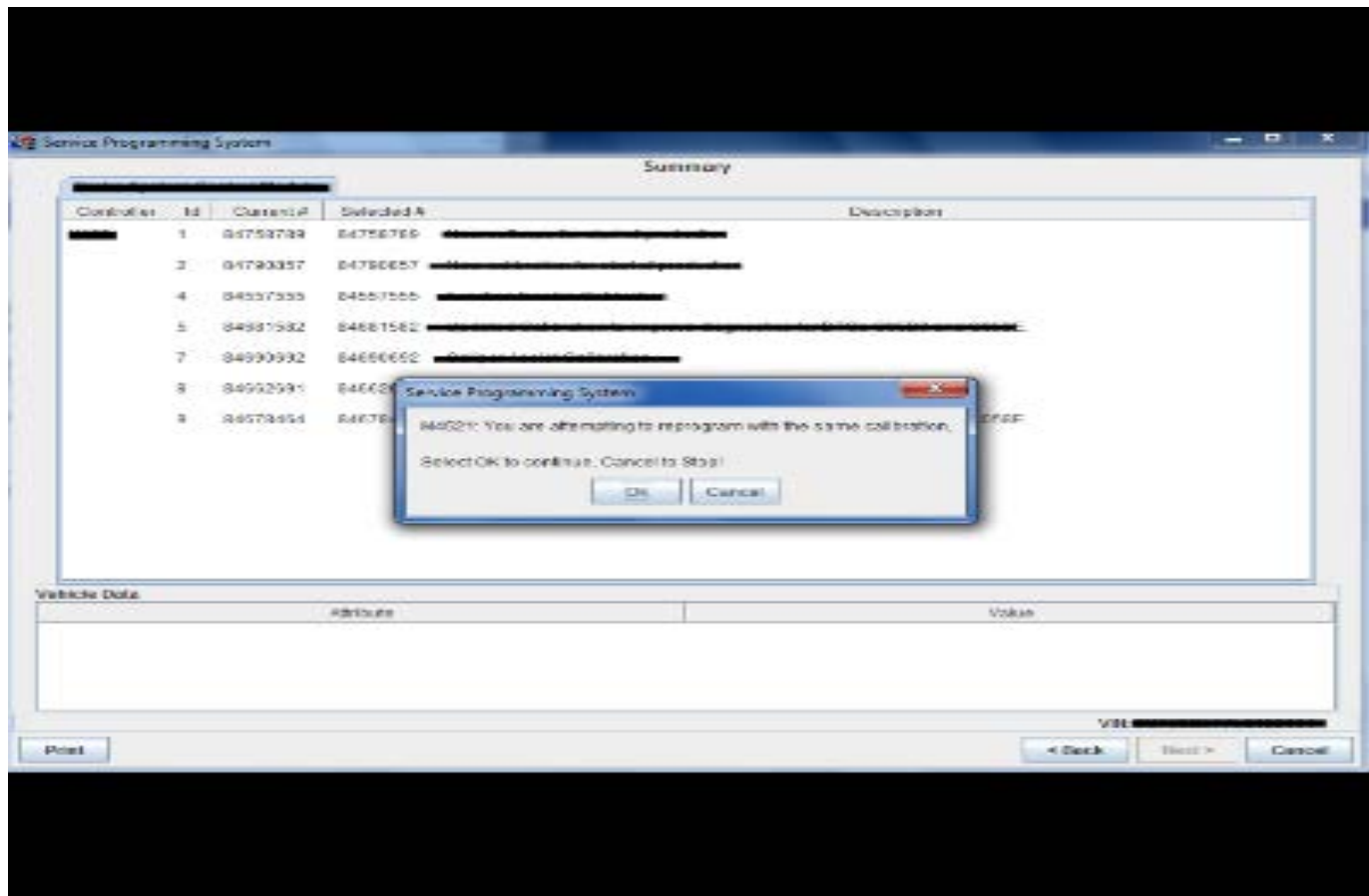
Important: If the vehicle VIN DOES NOT match, the message below will be shown.



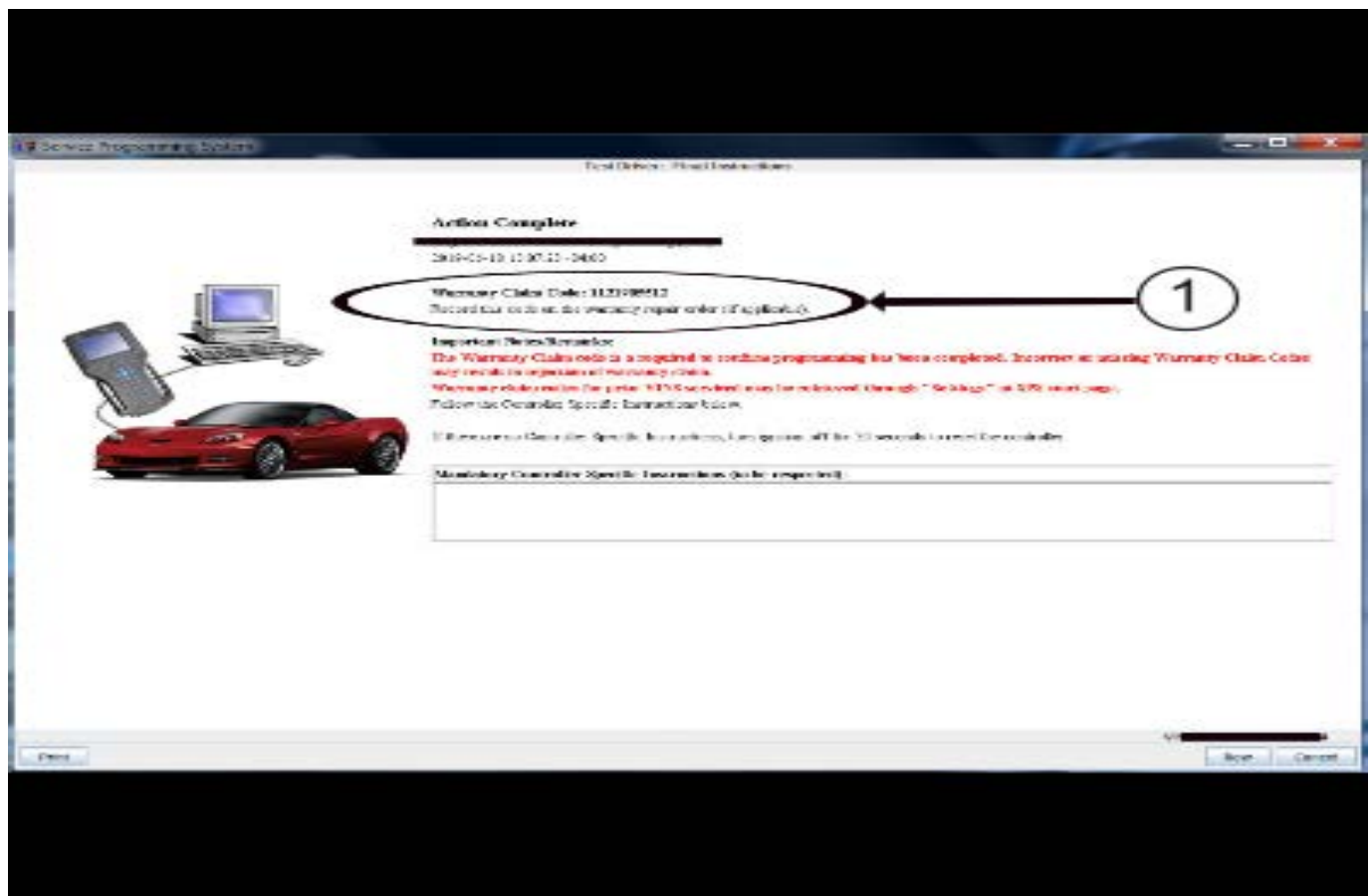
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5431209

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 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.

Parts Information

No parts are required for this repair.

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
2888138*	Inflatable Restraint Sensing and Diagnostic Module Reprogramming with SPS for Airbag Warning Lamp	0.3 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 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 August 02, 2021 December 23, 2021 – Added the 2022 Model Year.

