Service Bulletin

Bulletin No.: 24-NA-063
Date: June, 2024

TECHNICAL

Subject: **Service Driver's Assist Message Illuminated in DIC with DTC B2BA1 Set**

This Service Bulletin replaces PIT6000. Please discard PIT6000.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	CT5	2022	2024	—	—	—	—
	Escalade	2023	2023				
	Escalade ESV						
Chevrolet	Silverado 1500	2023	2024				
	Silverado 1500	2024	2024				
	Silverado LD						
	Suburban	2023	2023				
	Tahoe						
GMC	Sierra 1500	2023	2024				
	Sierra 1500	2024	2024				
	Sierra Limited						
	Yukon	2023	2023				
	Yukon XL						

Involved Region or Country	North America, Argentina, Brazil, Bolivia, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Europe, Kazakhstan, Uzbekistan, Middle East, Israel, Palestine, Japan, Cadillac Korea (South Korea), Thailand, Australia/New Zealand, Other Africa
Additional Options (RPOs)	Equipped with RPO UKL
Condition	Some customers may comment on a Service Driver's Assist (SDA) message illuminated in the cluster over a key cycle. Technicians may find DTC B2BA1 set current or in recent history.
Cause	The cause of the condition may be due to the K179 Automated Driving Mapping Module (High-Definition Localization Module) setting DTC B2BA1 and the K124 Image Processing Module (External Object Calculation Module) may set the Service Driver's Assist message.
Correction	Update the K179 Automated Driving Mapping Module (HDLM) and the K124 Image Processing Module (EOCM) software.

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.

Caution: Before downloading the update files, be sure the computer is connected to the internet through a network cable (hardwired). DO NOT DOWNLOAD or

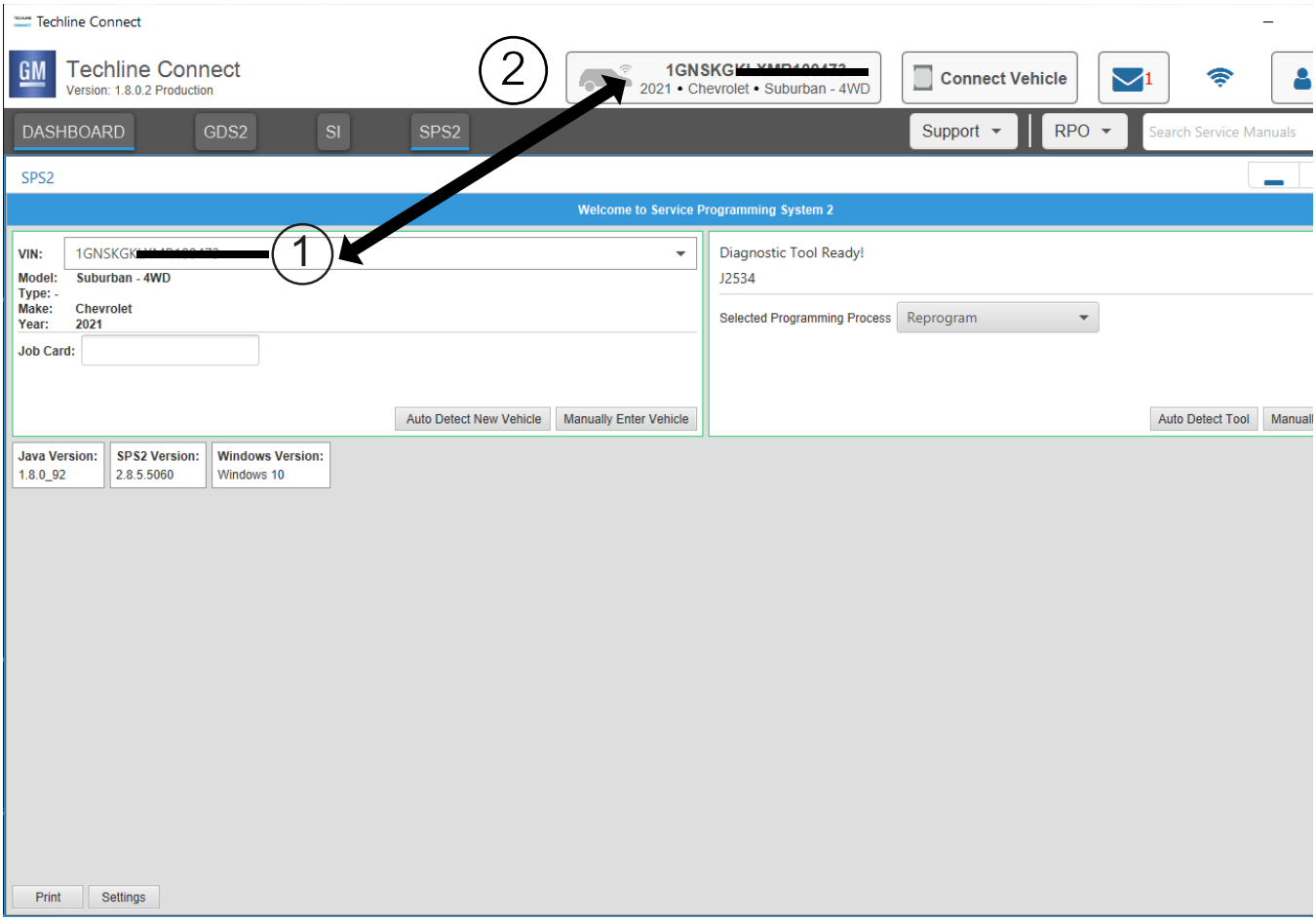
install the files wirelessly. If there is an interruption during programming, programming failure or control module damage may occur.

- 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.

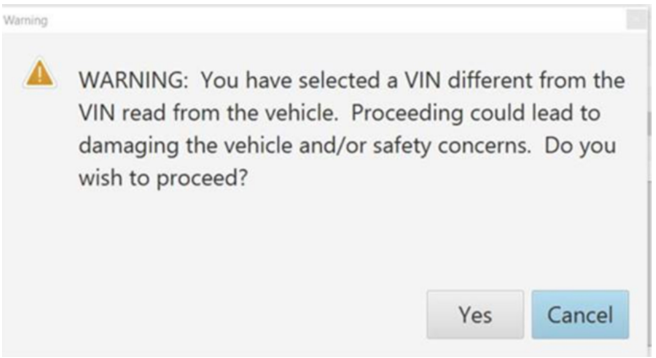
- For the TLC application, service technicians need to always ensure that the power mode (ignition) is “ON” before reading the VIN from the vehicle’s VIN master module and that they do not select a VIN that is already in the TLC application memory from a previous vehicle.
- If the VIN that shows up in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

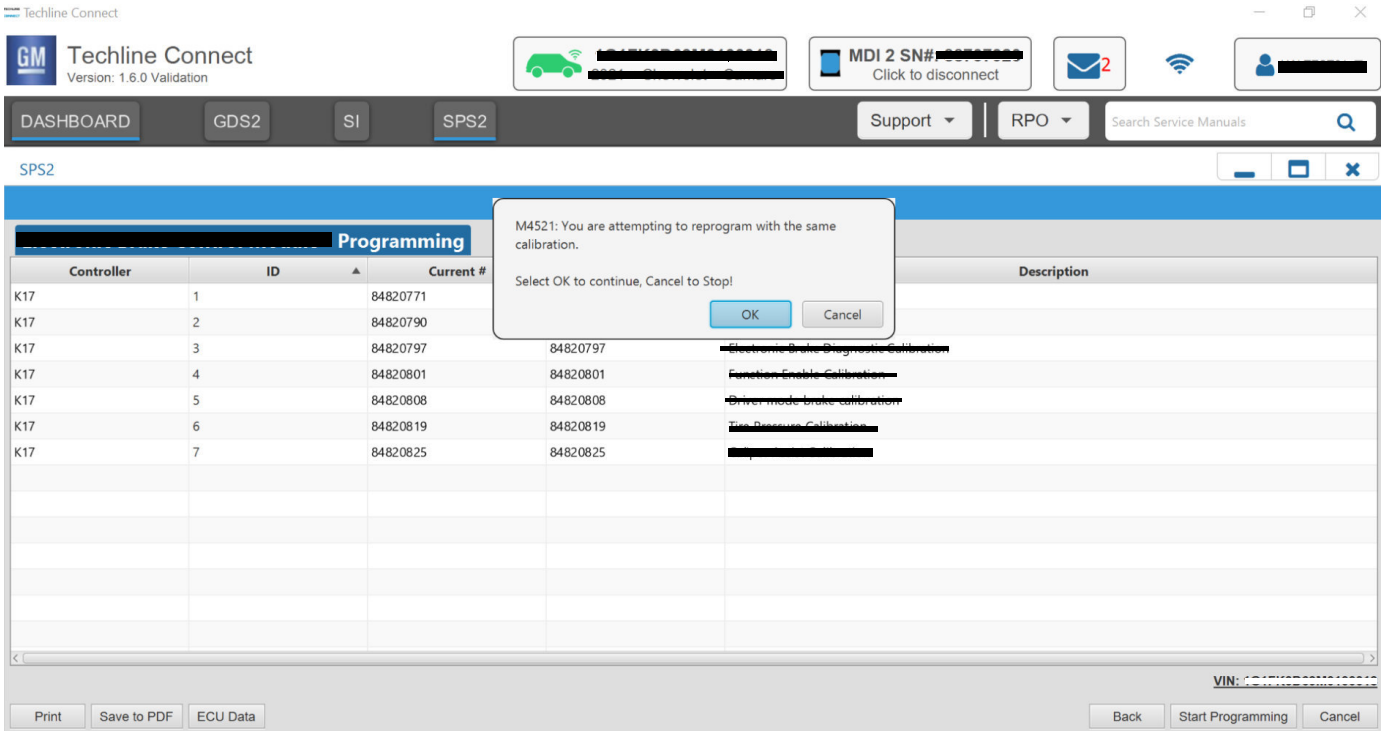


5743643

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



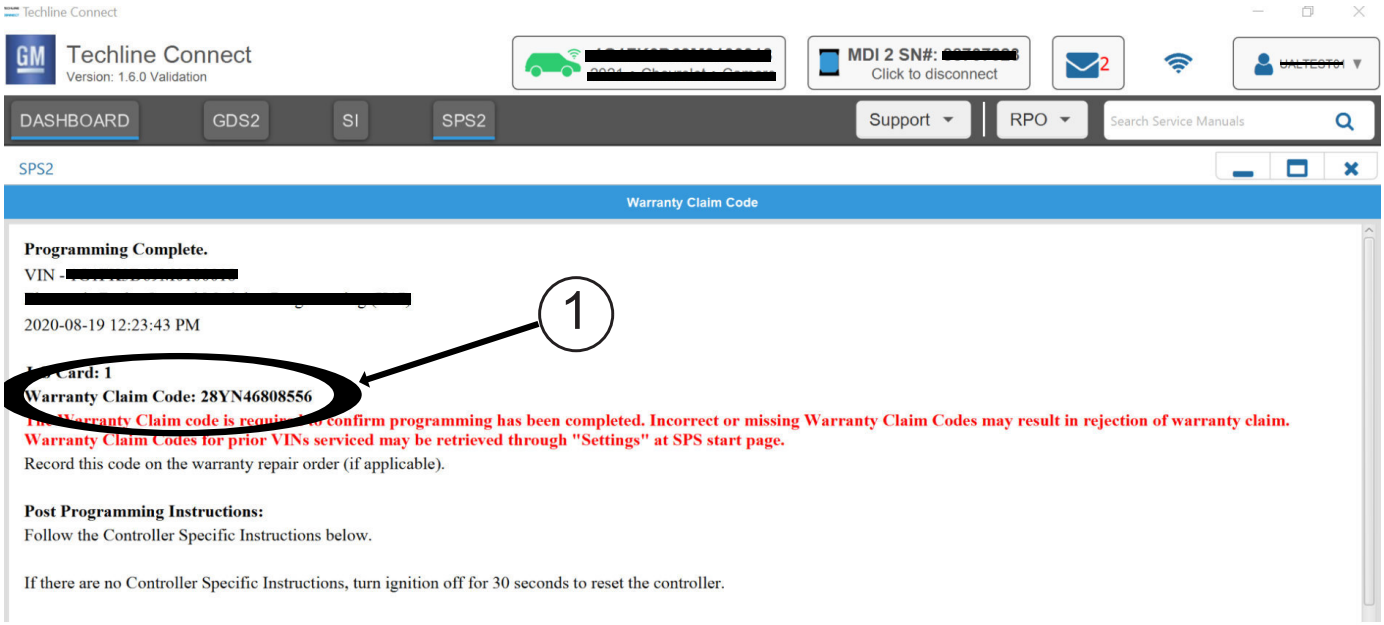
5877000



5644477

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

1. Reprogram the K179 Automated Driving Mapping and K124 Image Processing modules. Refer to *K179 Digital Map Control Module: Programming and Setup* and *K124 Image Processing 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.

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.

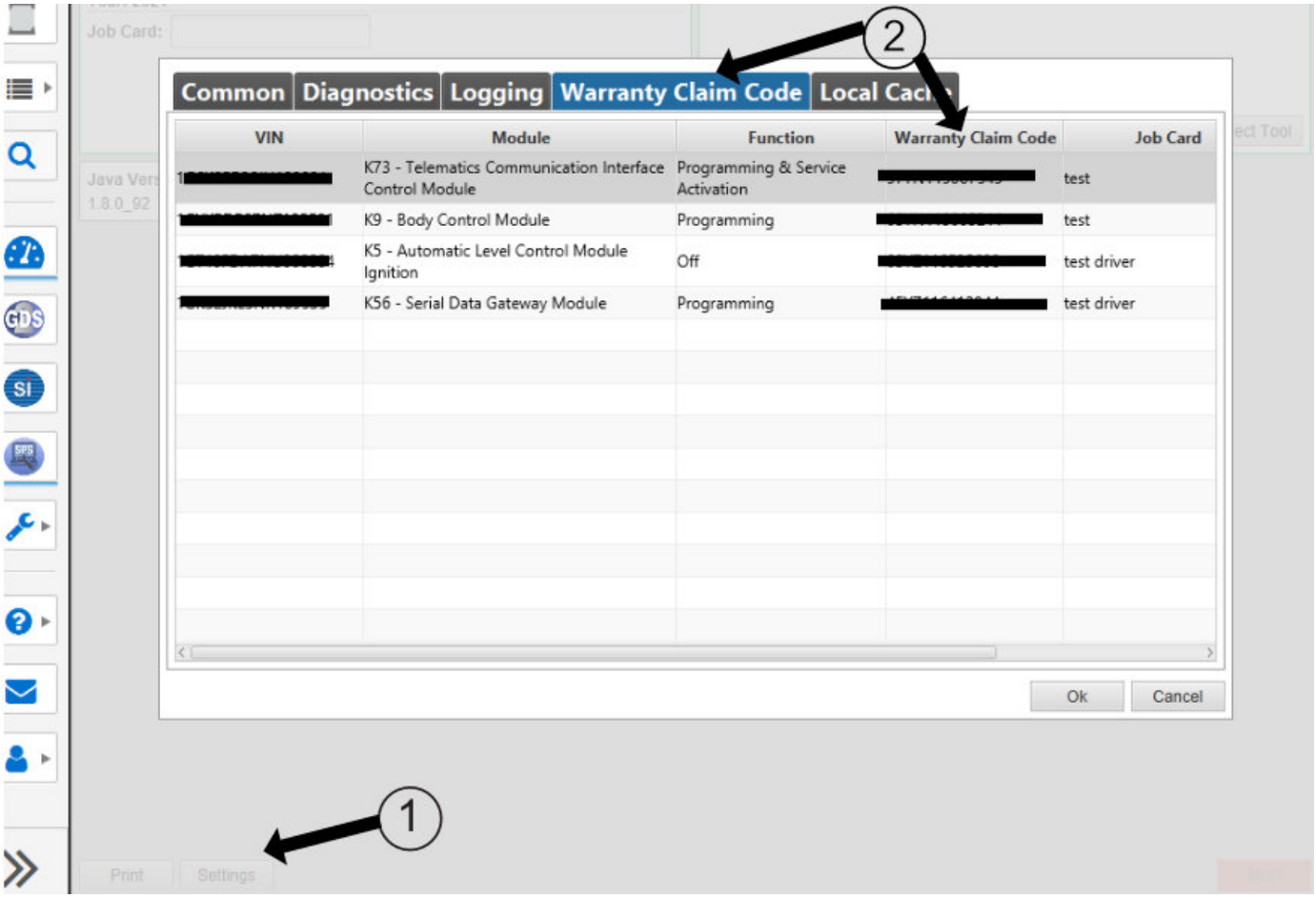
Labor Operation	Description	Labor Time
2887518*	Reprogram K179 Automated Driving Mapping Module (HDLM) for SDA and B2BA1	0.3 hr
2887528*	Reprogram K124 Image Processing Module (EOCM) for SDA message with B2BA1	0.3 hr
*These are unique Labor Operations for bulletin use only.		
Important: To avoid warranty transaction rejections, carefully read and follow the instructions below:		

Labor Operation	Description	Labor Time

6125814

- The Warranty Claim Code must be accurately entered in the “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 “Warranty Claim Code” field of the transaction, otherwise the transaction will reject. It is best practice to enter the FINAL code provided by SPS2.

Warranty Claim Code Information Retrieval



6125774

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	3
Modified	Released March 27, 2024 Revised April 4, 2024 – Removed 2022 Model Year SUVs. Revised June 13, 2024 – Added the Cadillac CT5 and Involved Regions/Countries.