



Service Bulletin

Bulletin No.: 23-NA-165

Date: March, 2025

TECHNICAL

Subject: Vehicle Will Not Lock and Unlock (Loss of Active Functions) Crank or Start (Loss of Passive Functions) with DTC P0513 Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:					
		from	to	from	to							
Buick	Enclave	2018	2024	—	—	—	—					
	Envision	2019	2020									
	Encore GX	2020	2022									
	LaCrosse	2019	2019									
	Regal	2019	2020									
Cadillac	CT6	2019	2020	—	—			—	—			
	XT4	2019	2023									
	XT5	2018	2025									
	XT6	2020										
Chevrolet	Blazer	2019	2025	—	—					—	—	
	Camaro	2019	2024									
	Colorado	2019	2022									
	Cruze	2019	2019									
	Equinox	2018	2024									
	Malibu	2019	2025									
	Trailblazer	2020	2025									
	Traverse	2018	2024			LFY						
	Volt	2019	2019			—						
GMC	Acadia	2019	2023	—	—	—						—
	Canyon	2019	2022									
	Terrain	2018	2024									

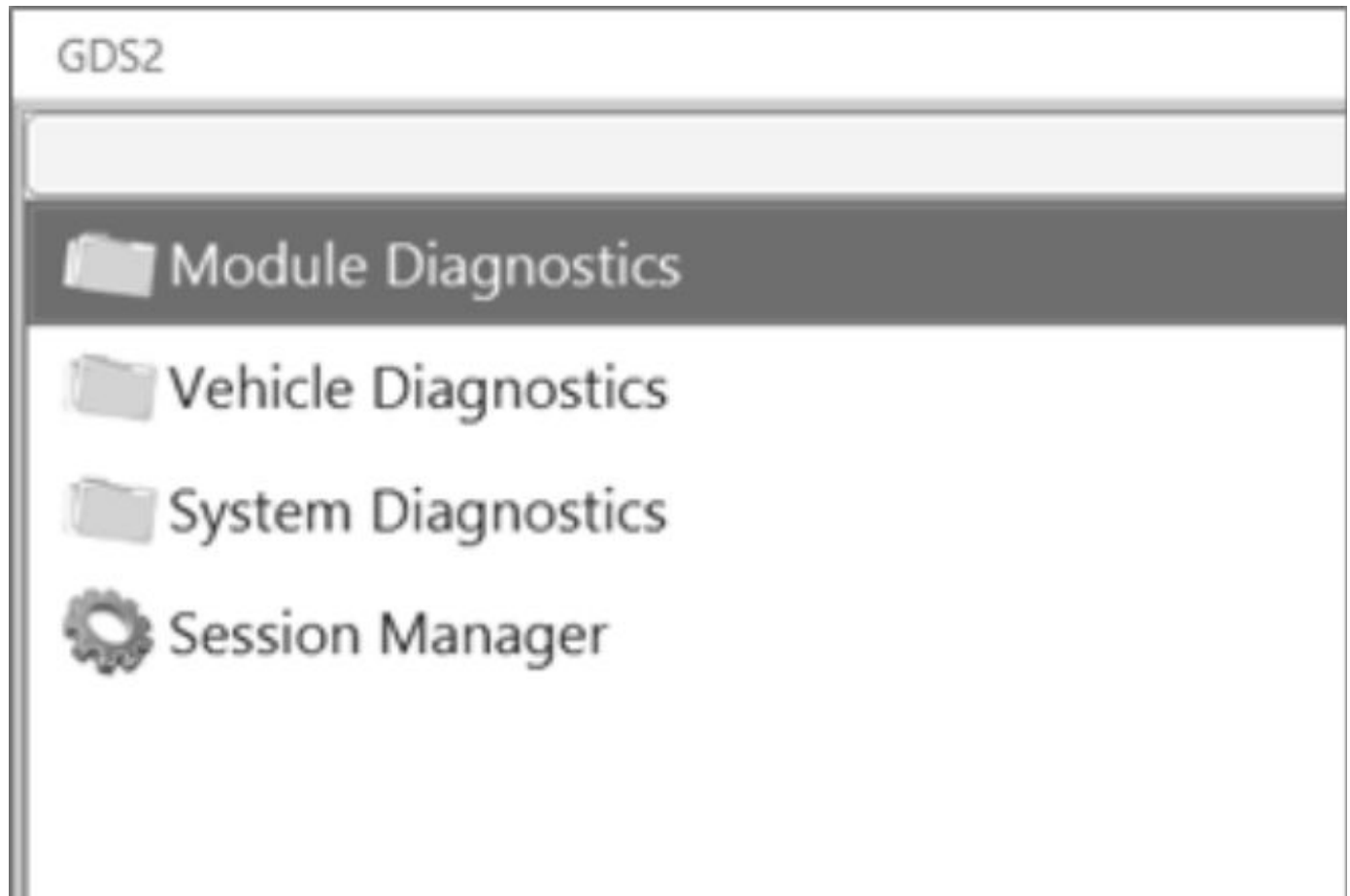
Involved Region or Country	North America, Israel, Middle East
Condition	Some customers may comment that active (lock/unlock) and passive (vehicle starting) key FOB functions do not work and that the vehicle will not crank. Technicians may find DTC P0513 may be set in active or history.
Cause	This condition may have presented immediately following a low voltage condition, jump start, battery charging, battery replacement or battery disconnect and reconnect. This can present a memory corruption event in the BCM. Loss of key FOB passive and active can also follow incorrect immobilizer repair attempts.

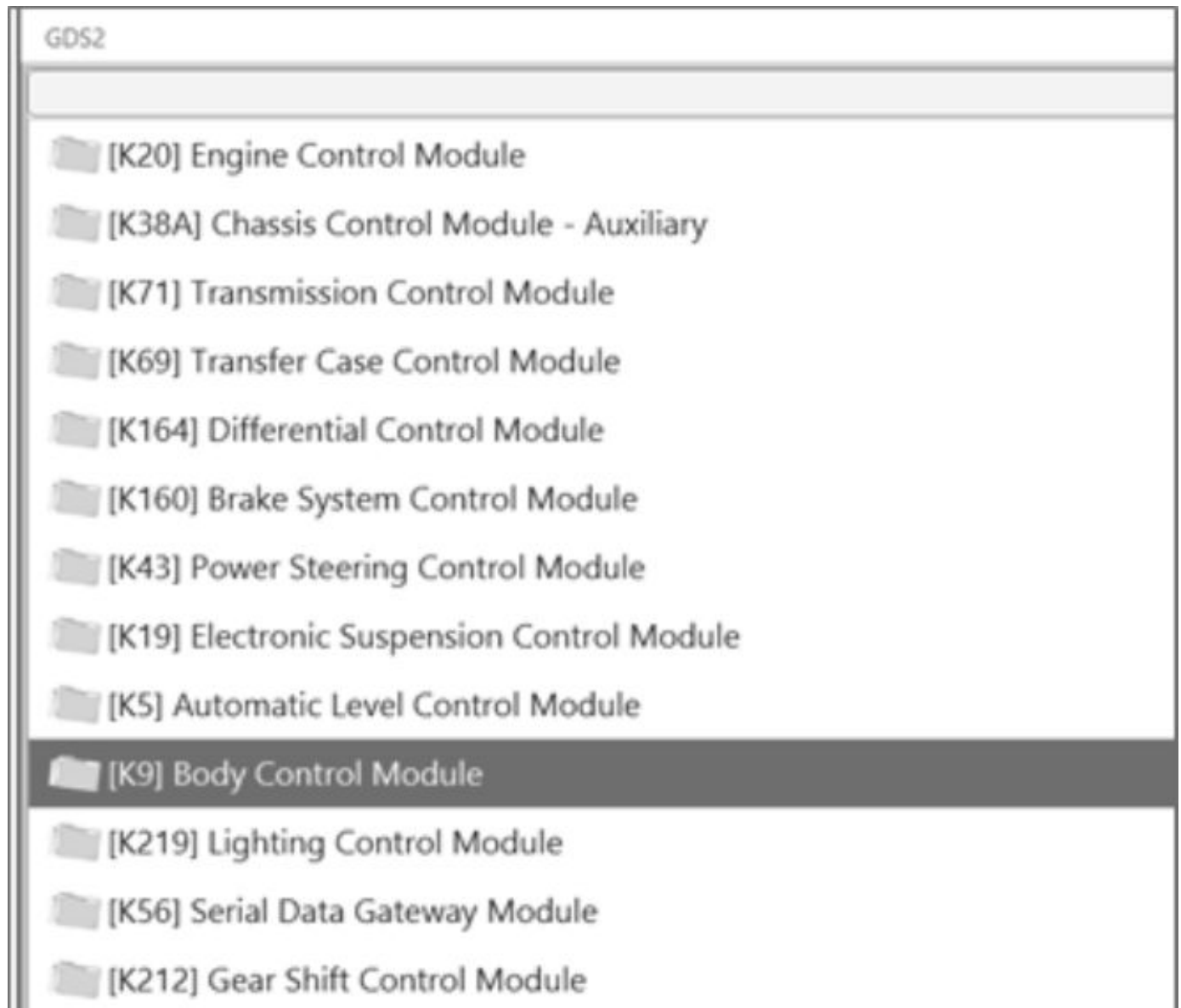
Correction	Important: Do not attempt the immobilizer procedure or module replacements before following this bulletin. This procedure ONLY applies to the GEN3R BCM. GEN3R BCMs can be identified by either the label on the module or looking up the BMPN part number information in GDS2. 
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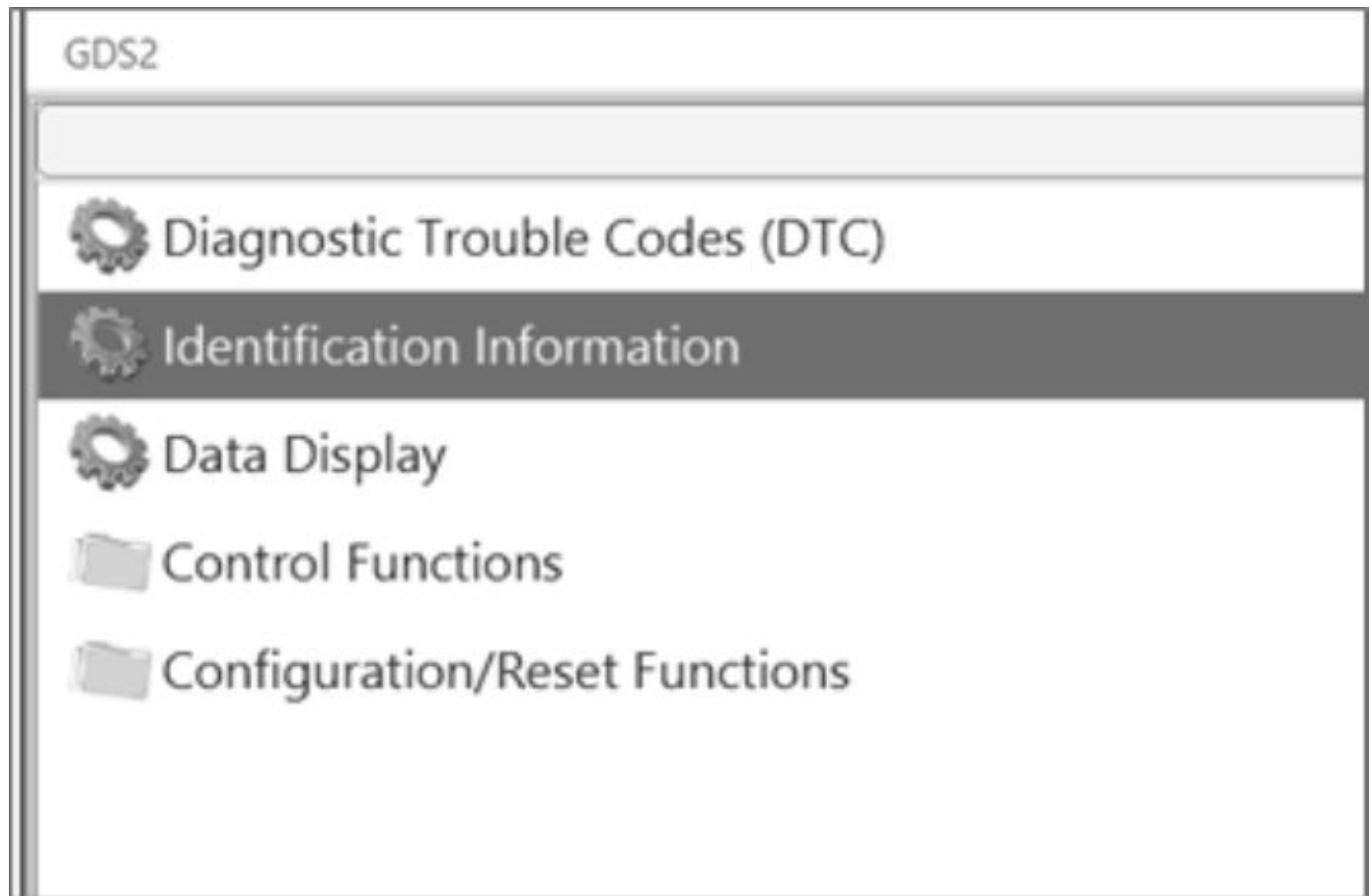
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Follow the steps below to verify BMPN is a GEN3R through GDS2.

Verify you have a GEN3R BCM Base Model Part Number. Only GEN3R BCMS are eligible for this bulletin. Navigate to GDS2 > Module Diagnostics > [K9] Body Control Module > Identification Information > Identification Information.







GDS2
Identification Information
Identification Information
Internal Control Module Performance Data

GDS2	
Identification Information	
Diagnostic Data Display	
Identification Information	
Parameter Name	
Diagnostic Data Identifier	
Module Diagnostic Address	
End Model Part Number	
End Model Part Number Alpha Code	
Base Model Part Number	
Base Model Part Number Alpha Code	
Boot Software Part Number 1	
Boot Software Part Number 1 Alpha Code	
Application Software Part Number 1	

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BMPNs eligible for this bulletin: 13518569, 13518570, 13518602, 13518603, 13519619, 13519620, 13519648, 13527252, 13527260, 13527261, 13527297, 13527298, 13527827, 13529492, 13529493, 13533809, 13533813, 13533814, 13533817, 13533821.

If the BCM is not a GEN3R, this bulletin does not apply. Continue with standard troubleshooting procedures in SI.

If the BCM is GEN3R, proceed.

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: If an immobilizer learn was previously done prior to this bulletin and no passive/active FOB functions work but the vehicle will now start with the FOB in the immobilizer pocket, and P0513 is no longer current, proceed to the step 5.

1. If no immobilizer learn was performed, verify there are no immobilizer DTCs set in the K9 Body Control Module. If any codes are set, please refer to service information.
2. From SPS Supported Controllers, select K9 Body Control Module "Programming A Per Bulletin 23-NA-163 and 23-NA-165 Only."



The screenshot displays the SPS2 software interface. On the left is a vertical toolbar with icons for GM, Wi-Fi, Bluetooth, a smartphone, a list, a magnifying glass, a clock, a car icon, a key icon, a question mark, an envelope, and a person. The main area is divided into three sections:

- Select Controller:** A table with two columns: Code and Name. The table lists various vehicle modules, with 'K3' (Body Control Module) highlighted.
- Select Function/Sequence:** A list of programming options, with 'Programming A Per Bulletin 23-NA-163 and 23-NA-165 Only' highlighted.
- Select Programming Type:** A list with two options: 'Normal' and 'VCI', with 'VCI' highlighted.

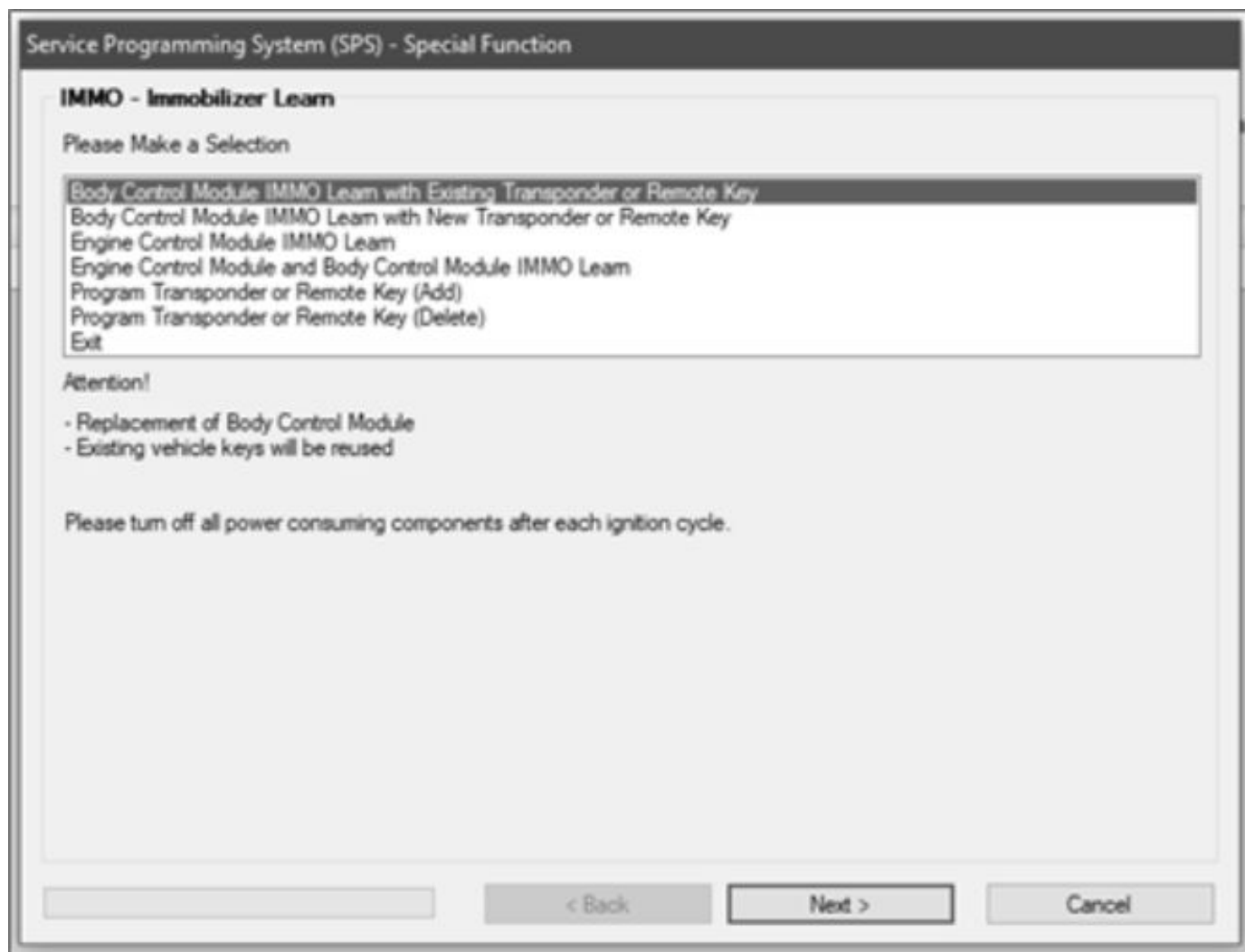
SPS2	
Select Controller	
Code	
T3	Audio Amplifier
K3	Body Control Module
K17	Electronic Brake Control Module
K20	Engine Control Module
B174W	Frontview Camera- Windshield
K33	HVAC Control Module
Z1	Immobilizer Learn
K36	Inflatable Restraint Sensing and Diagnostic Module
P16	Instrument Cluster
K34	Keyless Entry Control Module
K39	Liftgate Control Module
A33	Media Disc Player
K182	Parking Assist Control Module
P13	Power Windows

Select Function/Sequence	
Programming	
Setup	
Accessory Only-Keypad Learn	
Programming A Per Bulletin 23-NA-163 and 23-NA-165 Only	
Programming B Per Bulletin 23-NA-163 Only	

Select Programming Type	
Normal	
VCI	

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- Using the **existing** FOBs, from SPS Supported Controllers, select Immobilizer procedure “Body Control Module IMMO Learn with Existing Transponder or Remote Key.”



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4. Confirm vehicle cranks and starts and all FOB functions work properly on every FOB and that there are no current DTCS. If there are no current DTCs and every FOB function works on all FOBs, stop here. If any DTCs related to this bulletin are still current and vehicle will not start, proceed to step 5.

Important: Only proceed to these next steps if an immobilizer learn was previously done prior to this bulletin and no passive/active FOB functions work but the vehicle will now start with the FOB in the immobilizer pocket and P0513 is no longer current.

Note: If the FOBs work actively or passively and P0513 is not present, proceed to the *FOB troubleshooting* section in SI.

5. From SPS Supported Controllers, select K9 Body Control Module "Programming A Per Bulletin 23-NA-163 and 23-NA-165 Only."



SPS2

Select Controller

Code	
T3	Audio Amplifier
K9	Body Control Module
K17	Electronic Brake Control Module
K20	Engine Control Module
B174W	Frontview Camera- Windshield
K33	HVAC Control Module
Z1	Immobilizer Learn
K36	Inflatable Restraint Sensing and Diagnostic Module
P16	Instrument Cluster
K84	Keyless Entry Control Module
K39	Liftgate Control Module
A33	Media Disc Player
K182	Parking Assist Control Module

Select Function/Sequence

Programming

Setup

Accessory Only-Keypad Learn

Programming A Per Bulletin 23-NA-163 and 23-NA-165 Only

Programming B Per Bulletin 23-NA-163 Only

Select Programming Type

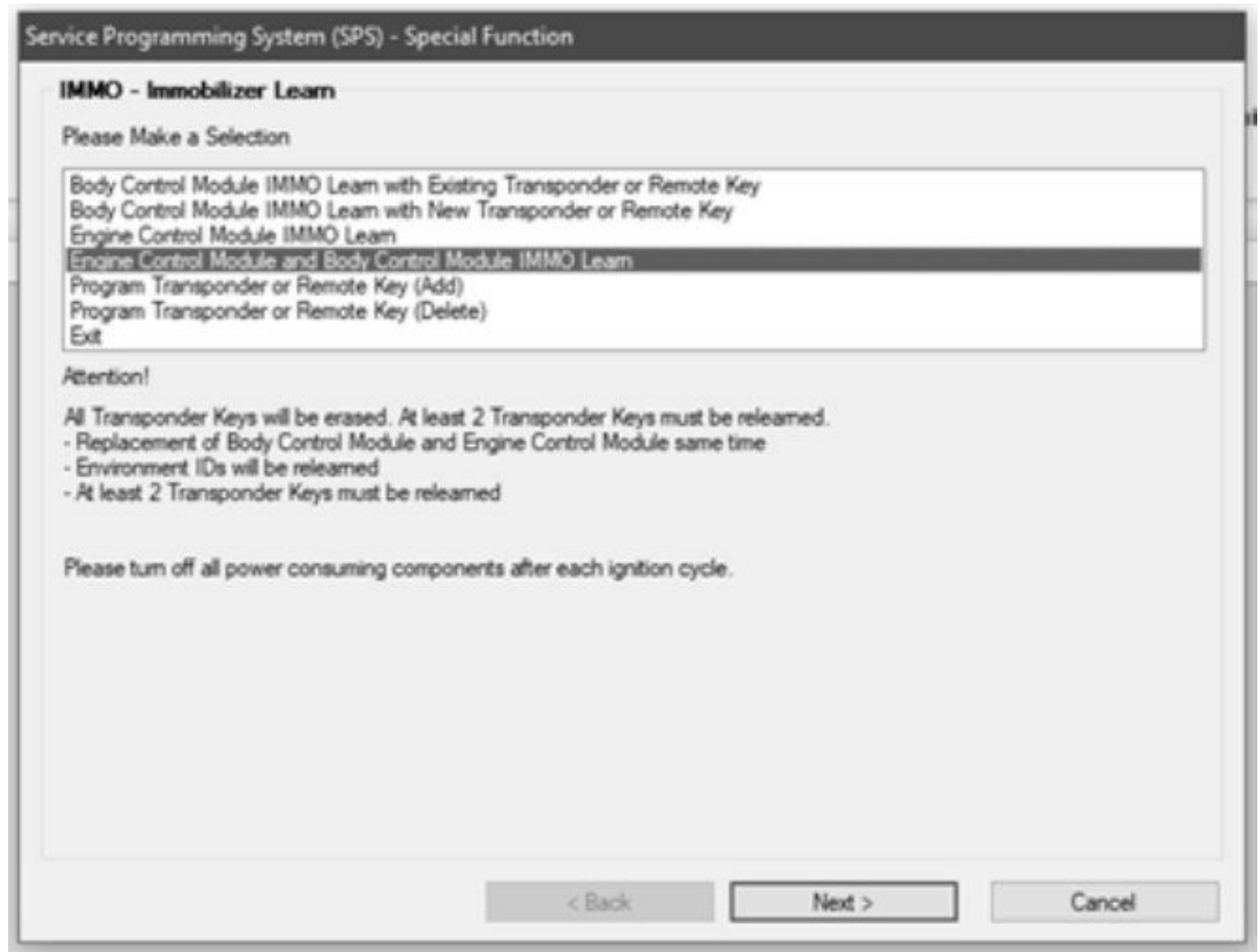
Normal

VCI

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Note: At this time the existing key FOBs will not work and new blank FOBs must be used.

- Using at least **2 NEW** FOBs, from SPS Supported Controllers, select Immobilizer procedure “Engine Control Module and Body Control Module IMMO Learn.”



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Note: If the vehicle had more than two FOBs paired, all FOBS must be replaced.

7. Confirm vehicle cranks and starts and all FOB functions work properly on every FOB and that there are no current DTCs.

Parts Information

May require FOB replacements, use Electronic Parts Catalog to determine correct part number.

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
2889828*	GEN3R P0513 DTC Special Data Reset	ST
*This is a unique Labor Operation for bulletin use only.		

Version	4
Modified	Released September 18, 2023 Revised November 15, 2023 – Updated Step 2 and 5 programming sequence title and graphics. Revised August 13, 2024 – Added the Buick Enclave, Cadillac XT5 and XT6, Chevrolet Blazer and Traverse and several Model Years. Revised March 13, 2025 – Updated Models, Model Years and changed the Labor Time under Warranty Information.

Additional SI Keywords: GEN3R

