

GM Chevrolet Suburban 2021 Rear Differential Clutch Learn Command

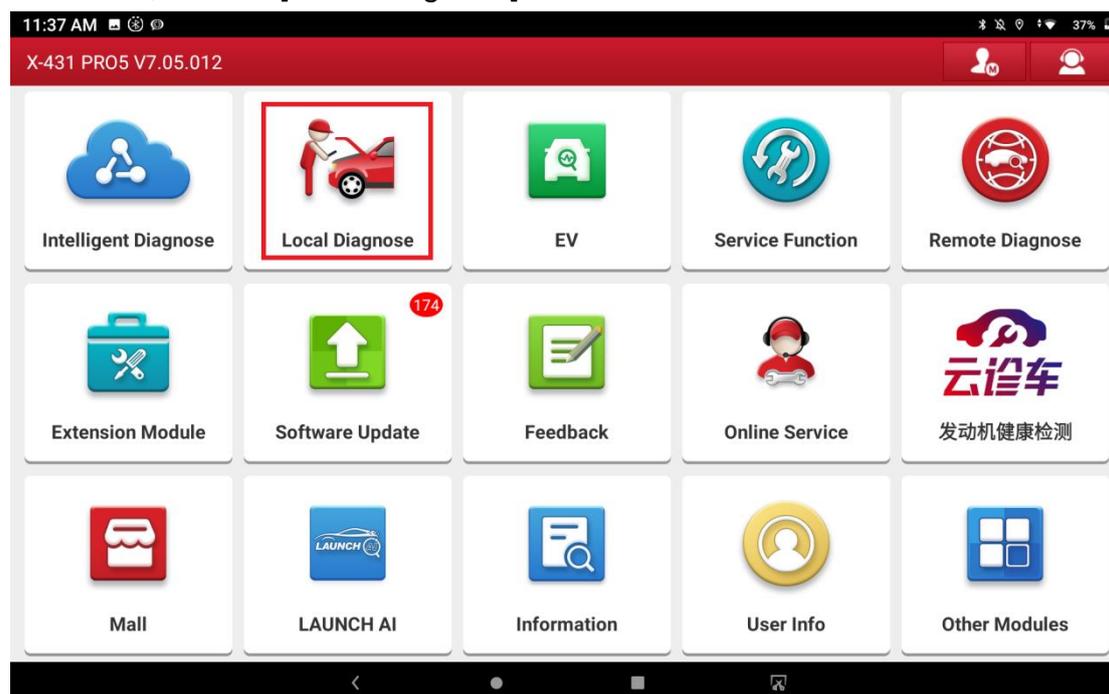
Supported equipment: Launch's full range of comprehensive diagnostic equipment

Current equipment: PAD 5

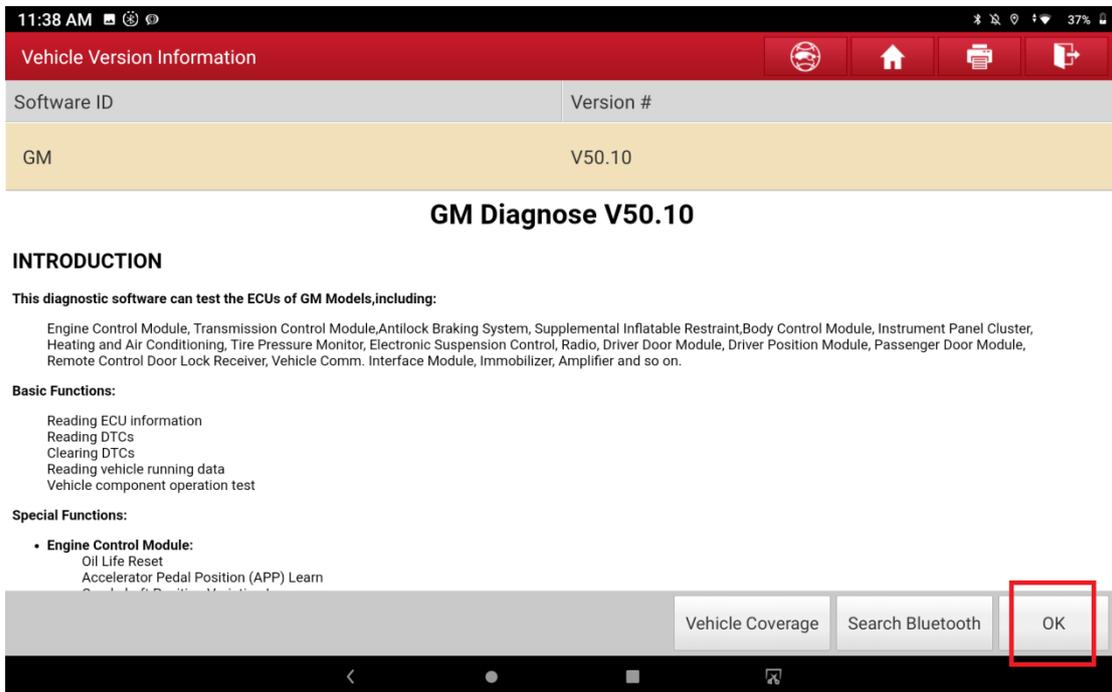
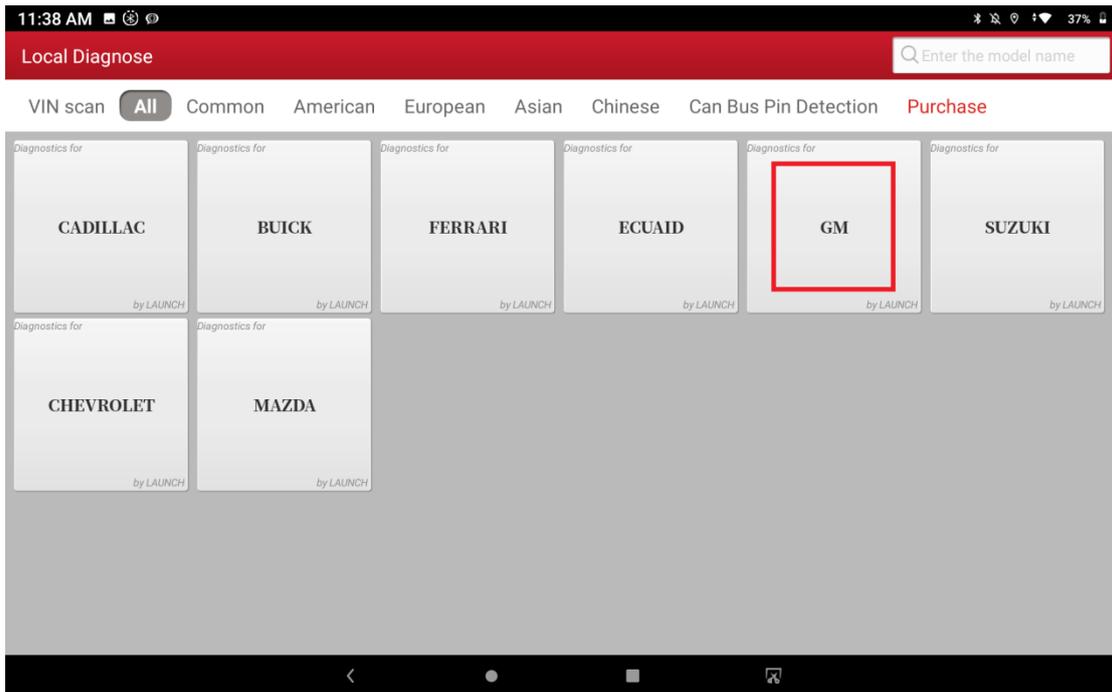
Function description: This function needs to be executed after the rear differential clutch and related components are replaced.

Tested model: 2021 GM Chevrolet Suburban, VIN: 1GNSKDKD9MR*****

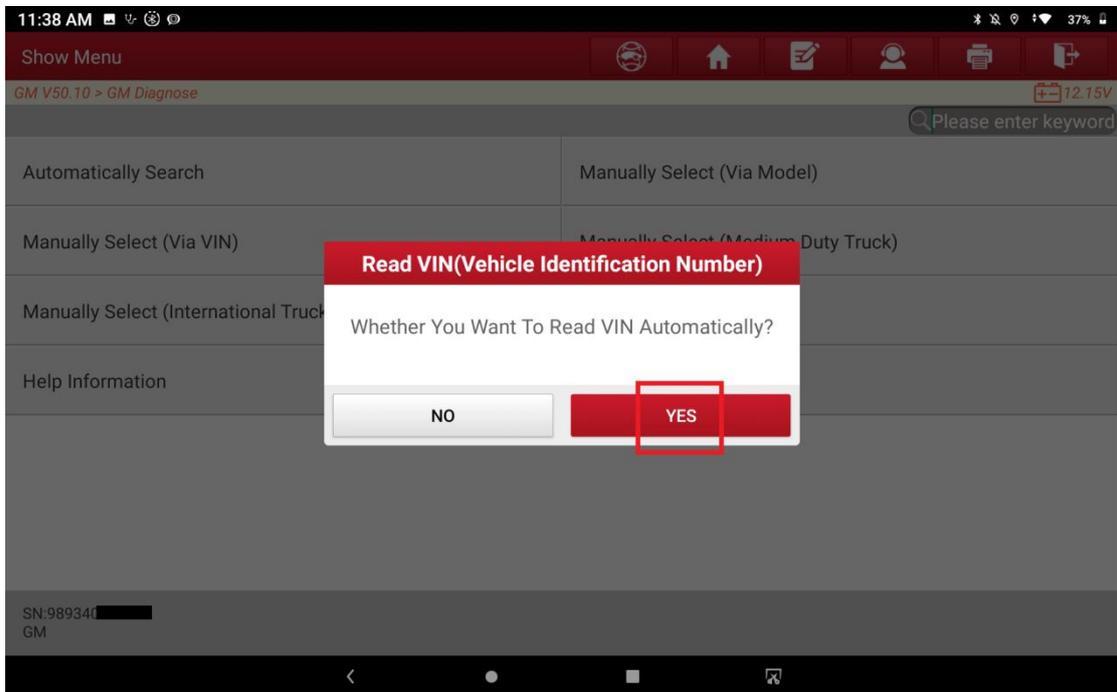
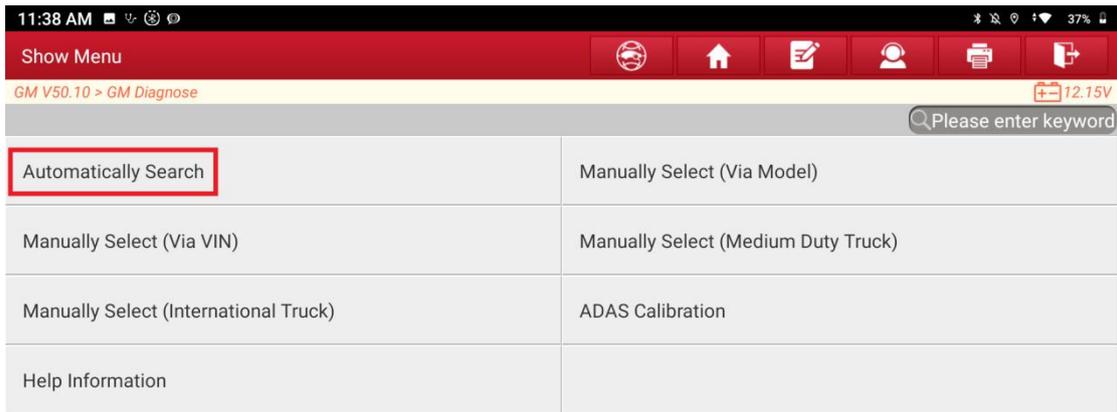
1. It is necessary to stop the vehicle before performing this function. On a PAD 5, choose [Local Diagnose].



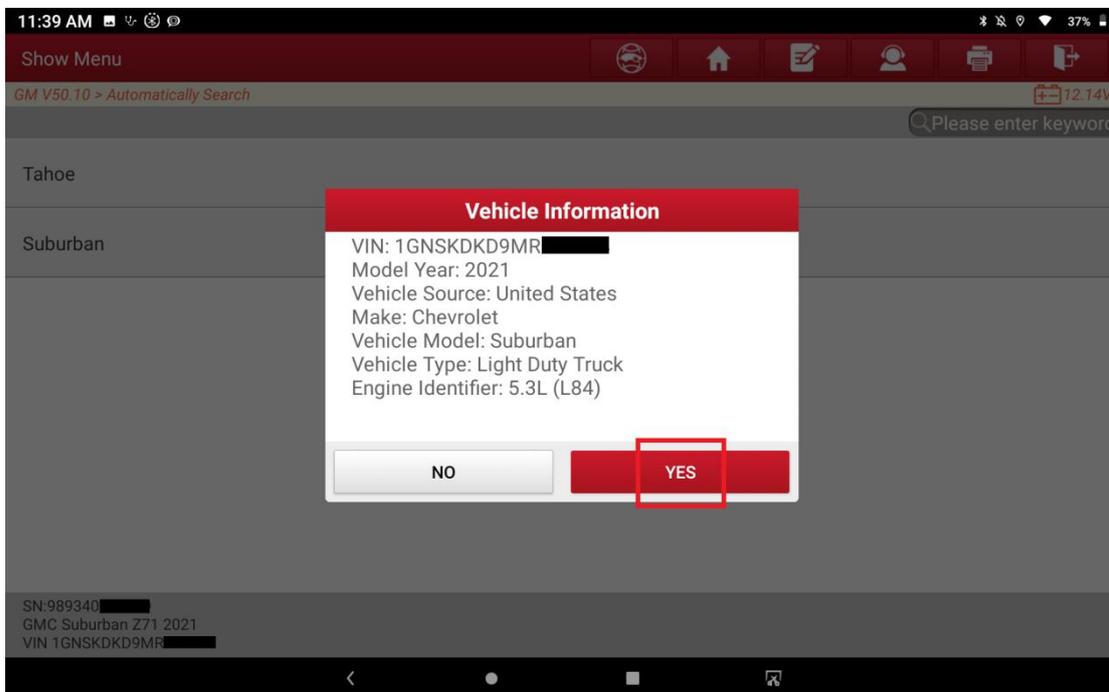
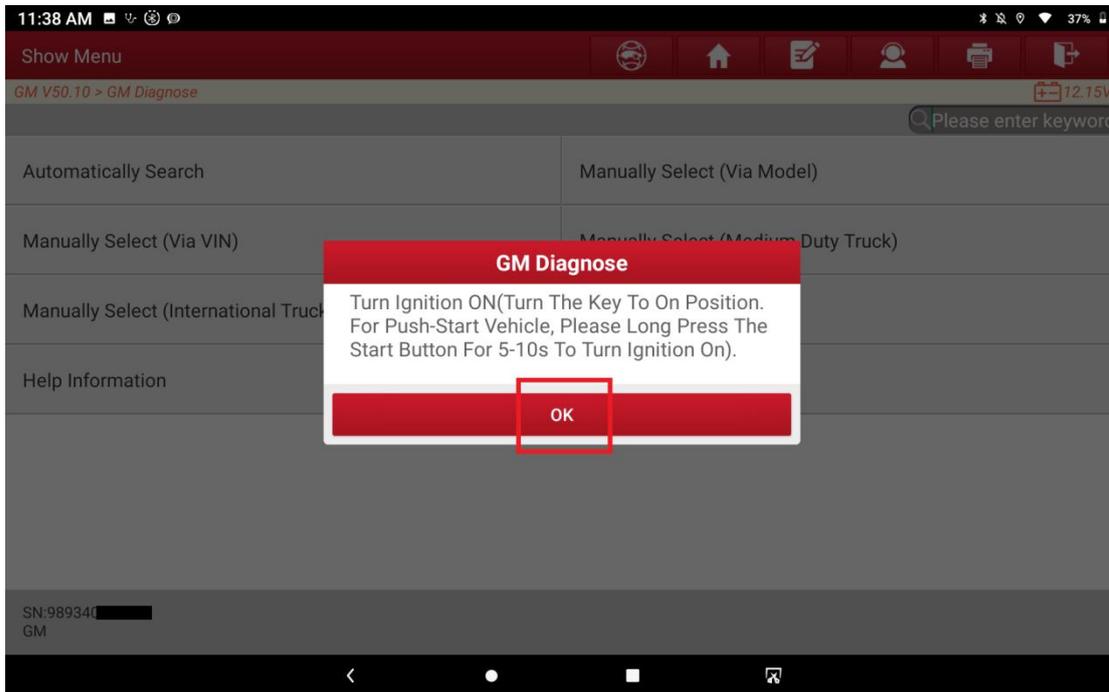
2. Choose [GM] to test.



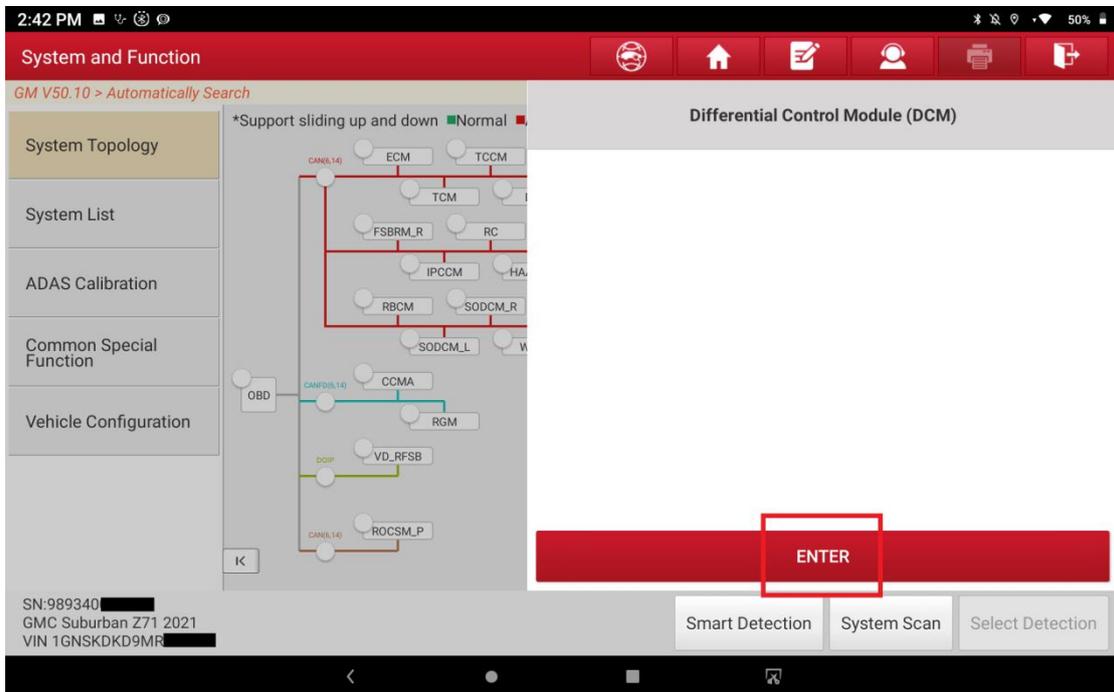
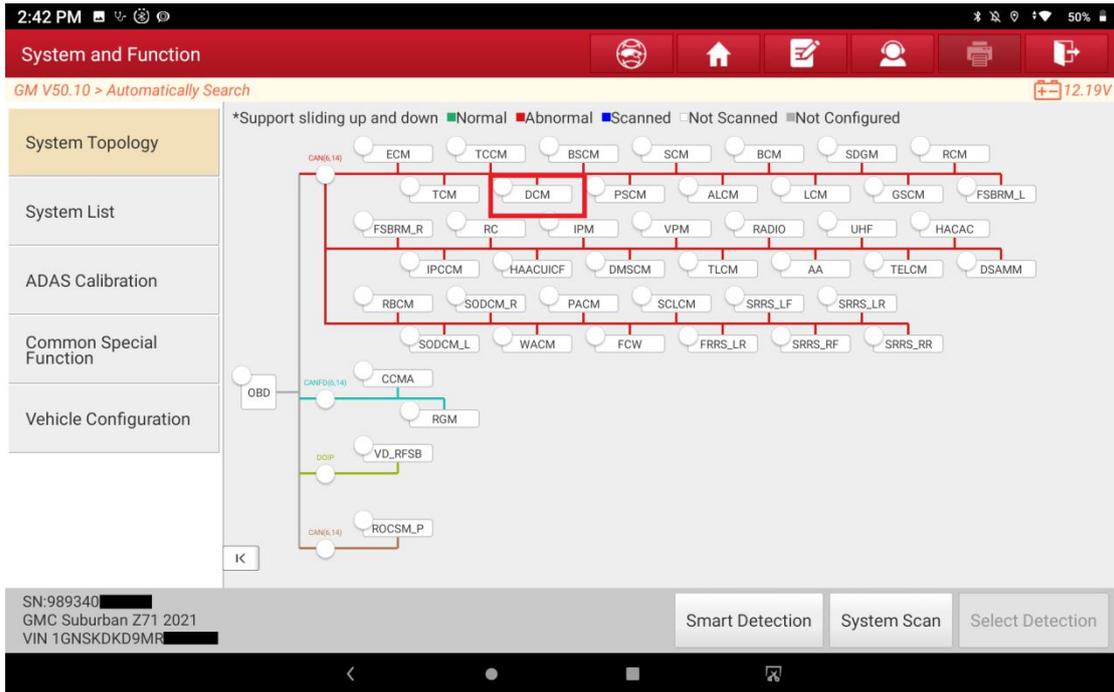
3. Choose [Automatically Search] to identify car models automatically.



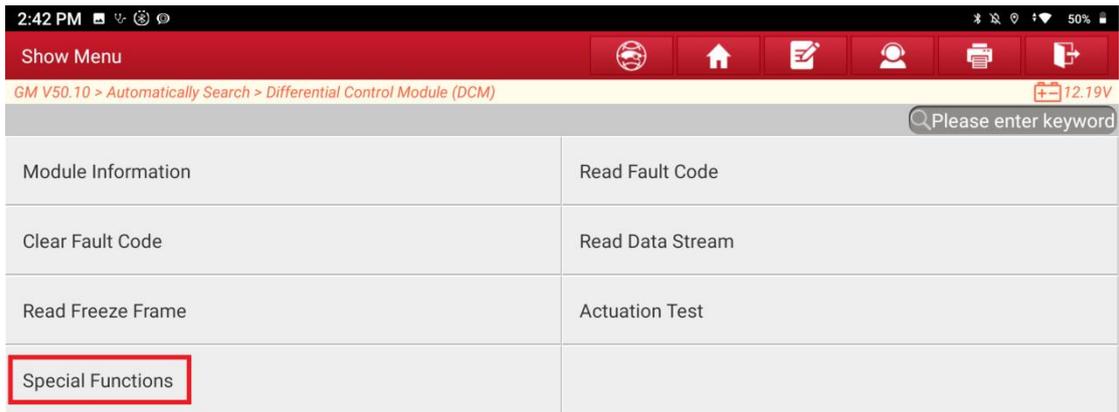
- 4. Operate according to the prompt “Turn Ignition ON (Turn The Key To On Position. For Push-Start Vehicle, Please Long Press The Start Button For 5-10s To Turn Ignition On)”.



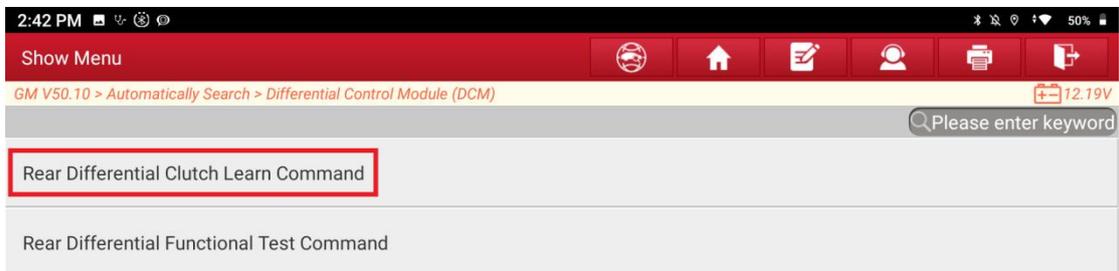
5. Click [DCM] to access the system.



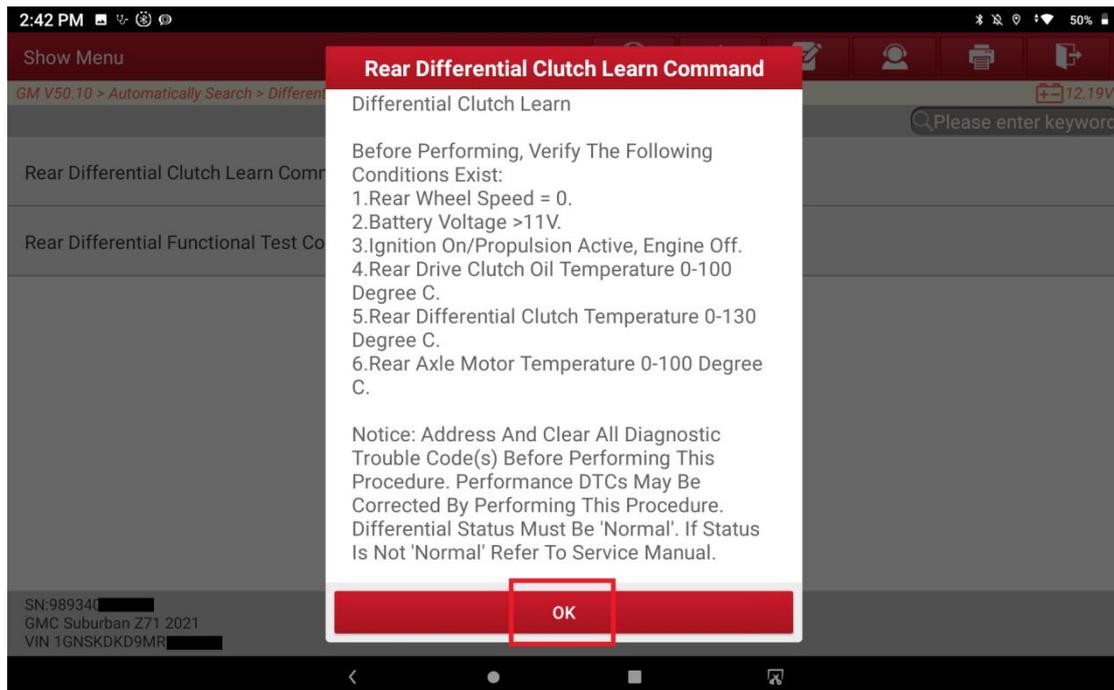
6. Click [Special Functions].



7. Click [Rear Differential Clutch Learn Command].



8. Before execution, confirm that the following conditions are met: “1. Rear Wheel Speed = 0. 2. Battery Voltage >11V. 3. Ignition On/Propulsion Active, Engine Off. 4. Rear Drive Clutch Oil Temperature 0-100 Degree C. 5. Rear Differential Clutch Temperature 0-130 Degree C. 6. Rear Axle Motor Temperature 0-100 Degree. Notice: Address And Clear All Diagnostic Trouble Code(s) Before Performing This Procedure. Performance DTCs May Be Corrected By Performing This Procedure. Differential Status Must Be 'Normal'. If Status Is Not 'Normal' Refer To Service Manual.”



- Confirm that the following conditions are met: "Rear Wheel Speed = 0, Turn The Ignition On, Rear Drive Clutch Oil Temperature 0-100 Degree C, Rear Differential Clutch Temperature 0-130 Degree C, Rear Axle Motor Temperature 0-100 Degree."

2:44 PM 50% 12.20V

Condition Check Information

GM V50.10 > Automatically Search > Differential Control Module (DCM)

DataStream Name	Value	Condition
Left Rear Wheel Speed (rps)	0.00	Okay
Right Rear Wheel Speed (rps)	0.00	Okay
Power Mode	Off	Turn The Ignition On
Rear Drive Clutch Oil Temperature (degree C)	30	Okay
Rear Differential Clutch Temperature (degree C)	30	Okay
Rear Axle Motor Temperature (degree C)	50	Okay

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GMC Suburban Z71 2021
VIN 1GNSKDKD9MR

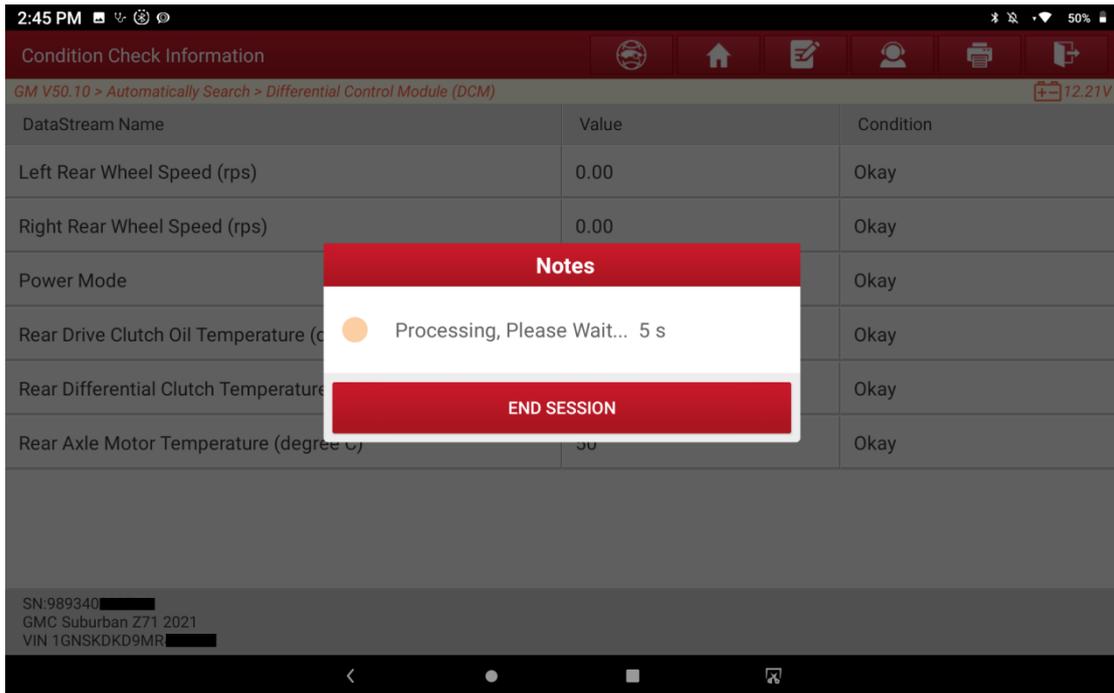
2:45 PM 50% 12.21V

Condition Check Information

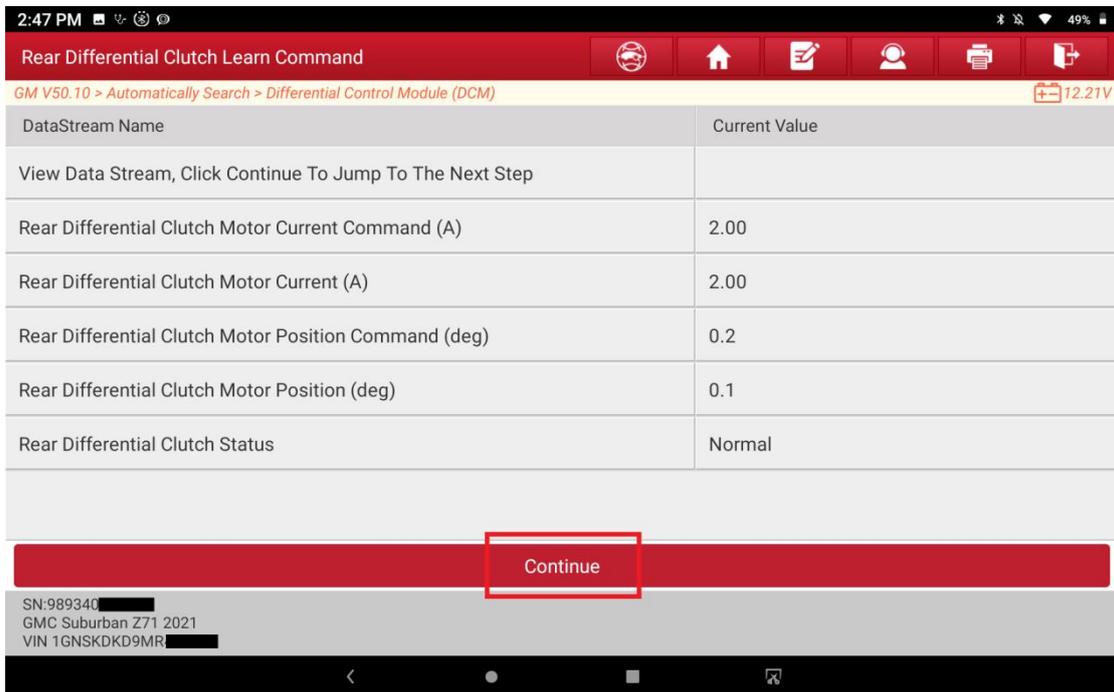
GM V50.10 > Automatically Search > Differential Control Module (DCM)

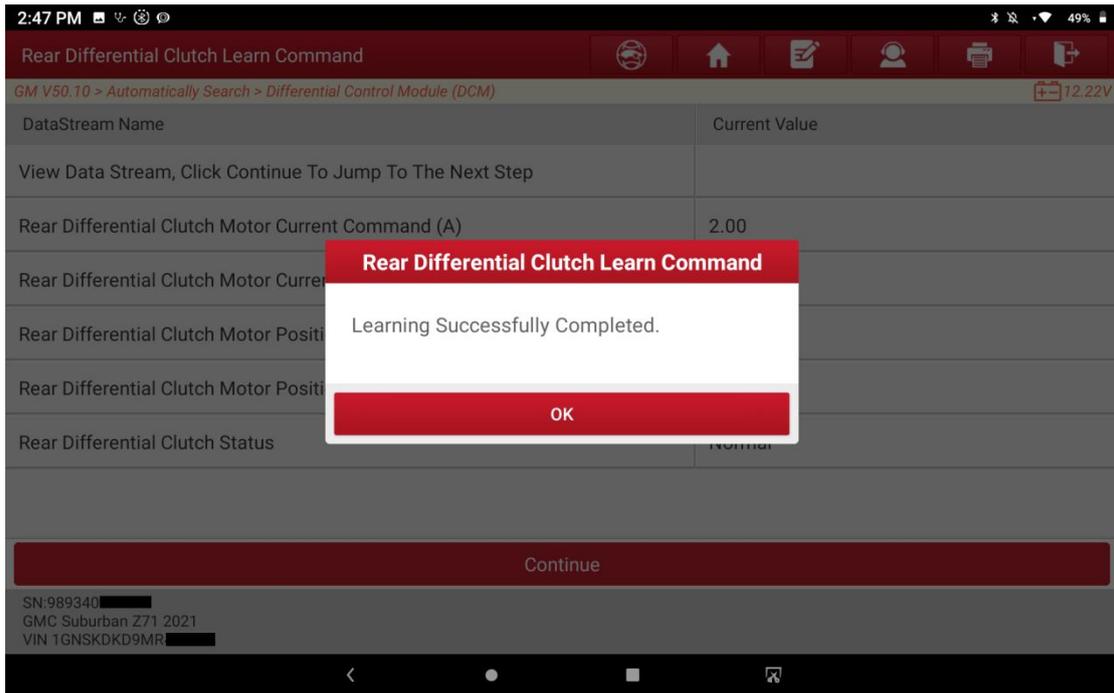
DataStream Name	Value	Condition
Left Rear Wheel Speed (rps)	0.00	Okay
Right Rear Wheel Speed (rps)	0.00	Okay
Power Mode	Run	Okay
Rear Drive Clutch Oil Temperature (degree C)	30	Okay
Rear Differential Clutch Temperature (degree C)	30	Okay
Rear Axle Motor Temperature (degree C)	50	Okay

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10. Click "Continue".





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