

GM Chevrolet Suburban 2021 Range

Actuator Correlation Learn

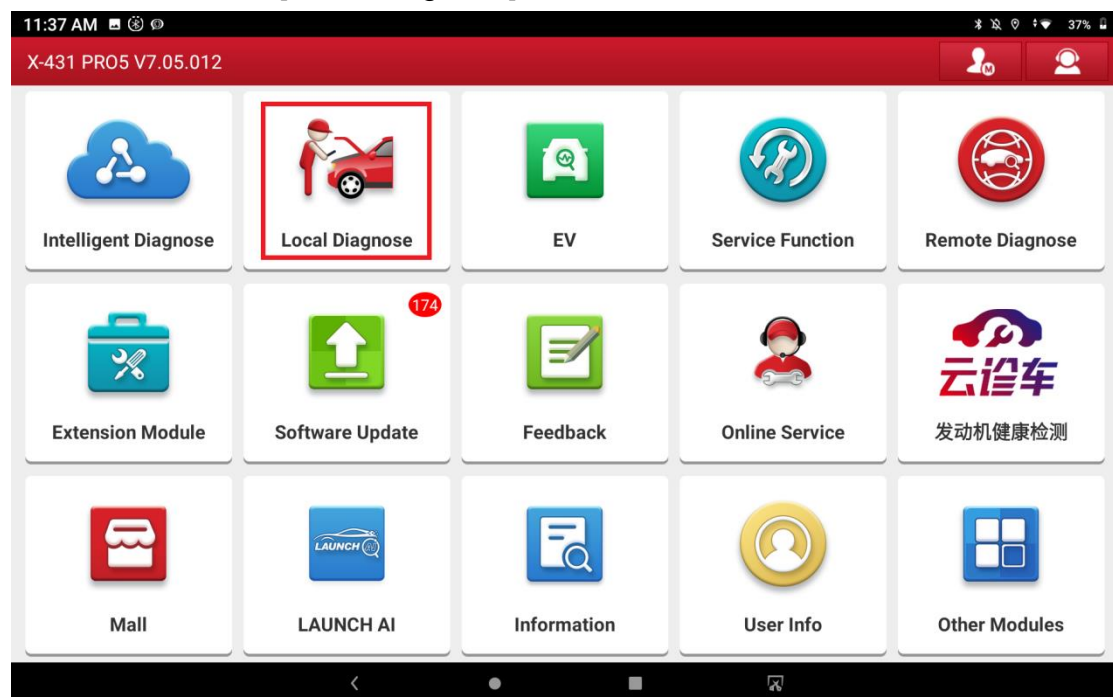
Supported equipment: Launch's full range of comprehensive diagnostic equipment

Current equipment: PAD 5

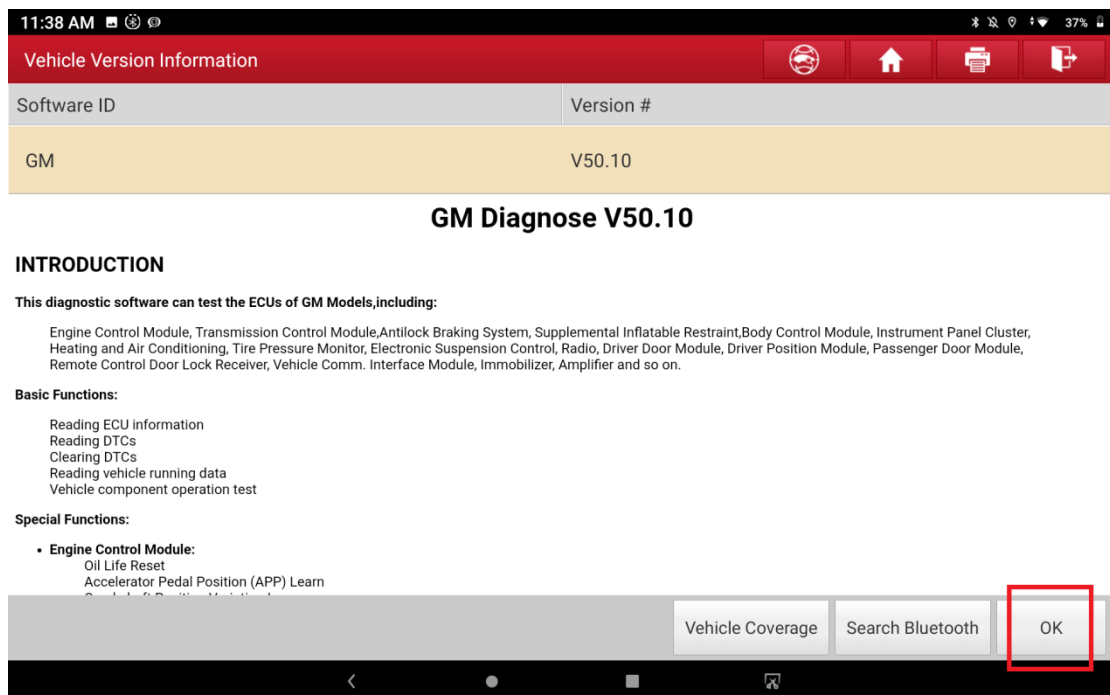
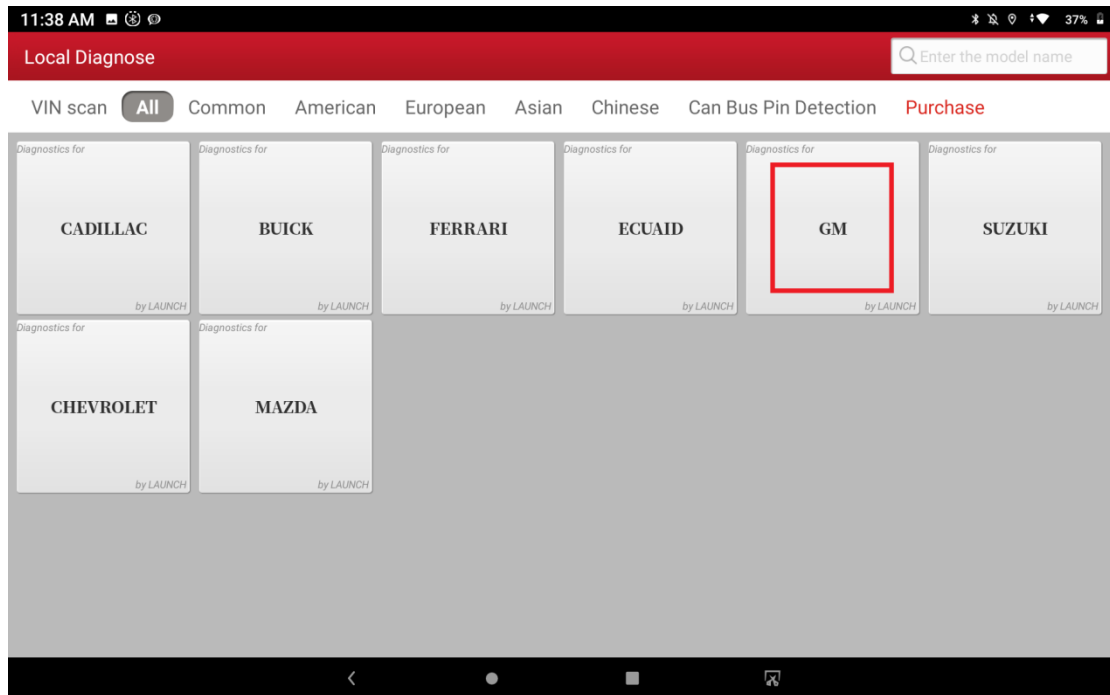
Function description: This function is required after replacing gear actuator-related components (such as the transmission control unit, transmission, sensors, solenoid valves, and various actuators) or after troubleshooting faults in the shift system.

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

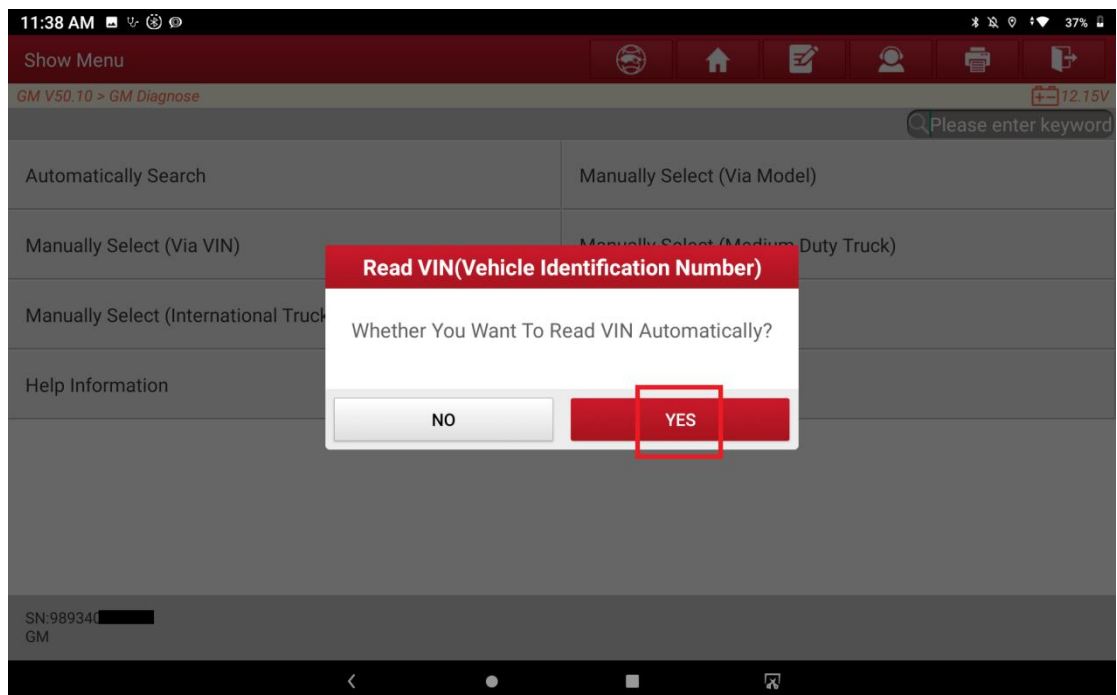
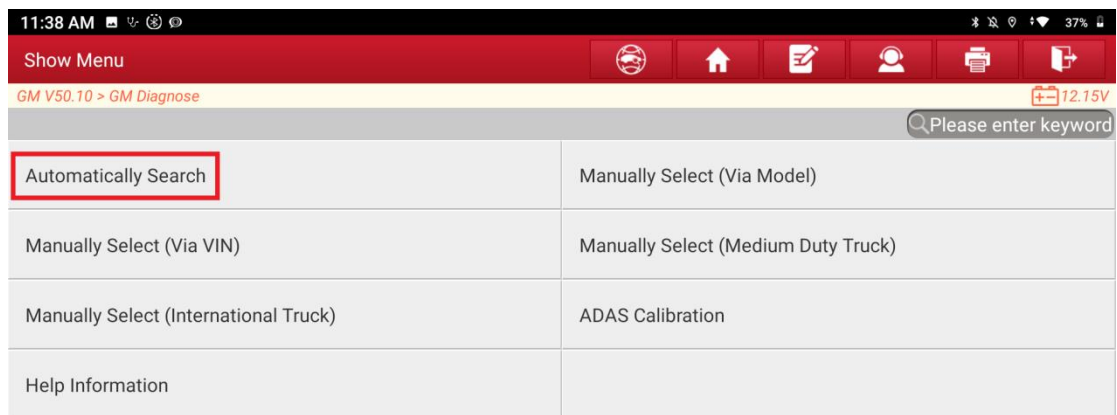
1. It is necessary to stop the vehicle before performing this function. On a PAD 5, choose [Local Diagnose].



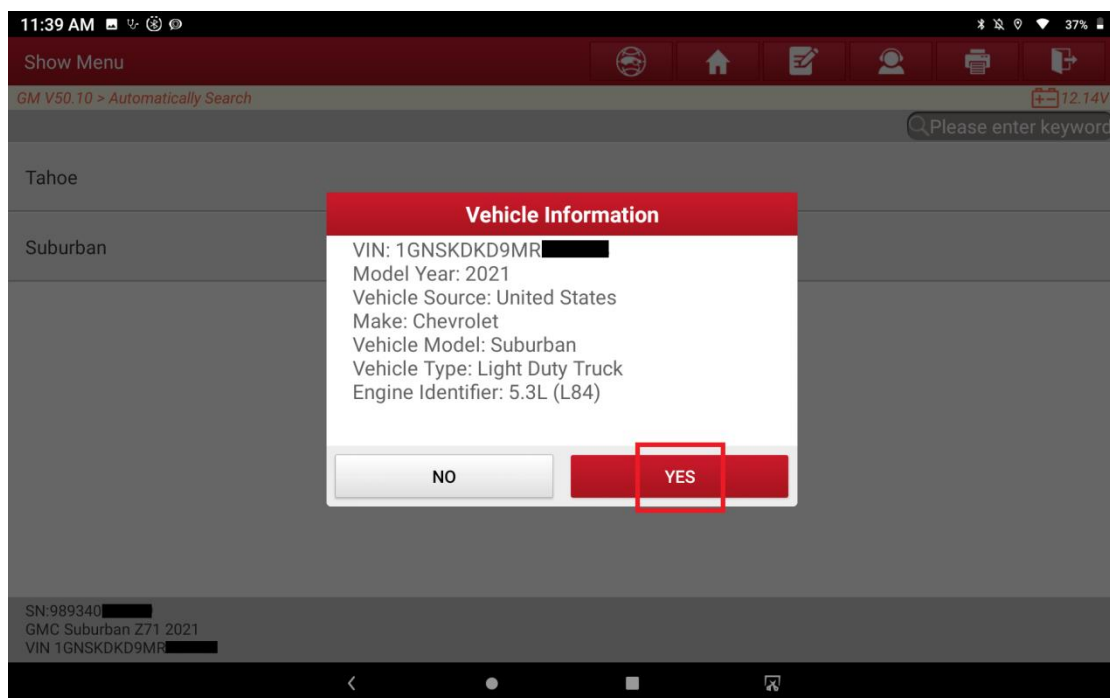
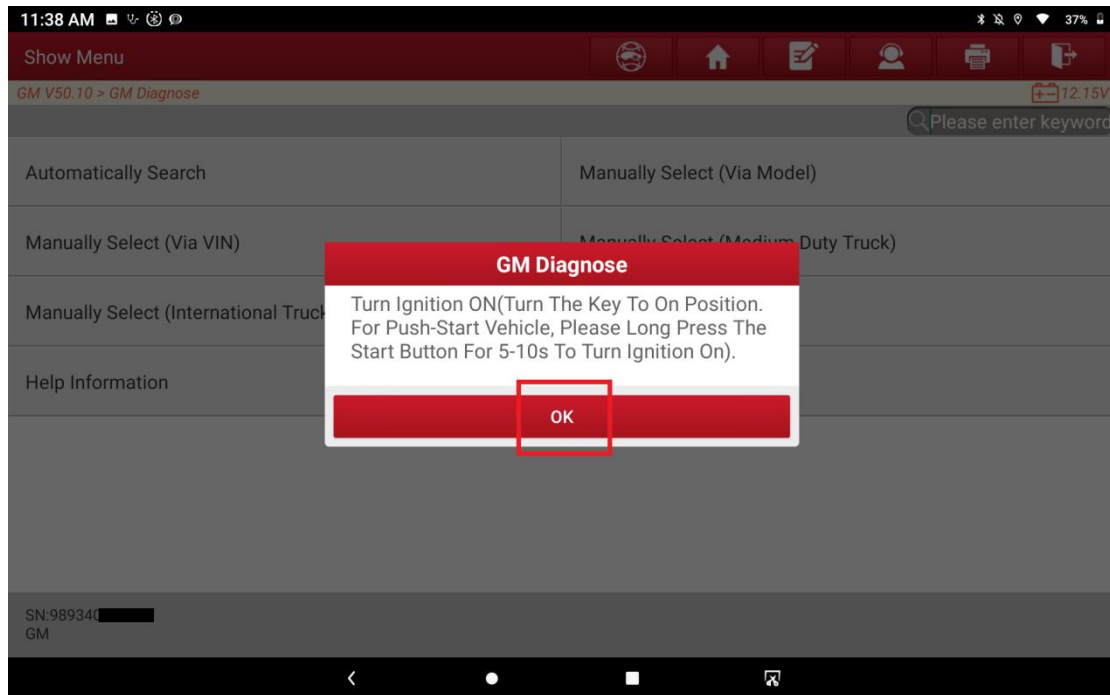
2. Choose [GM] to test.



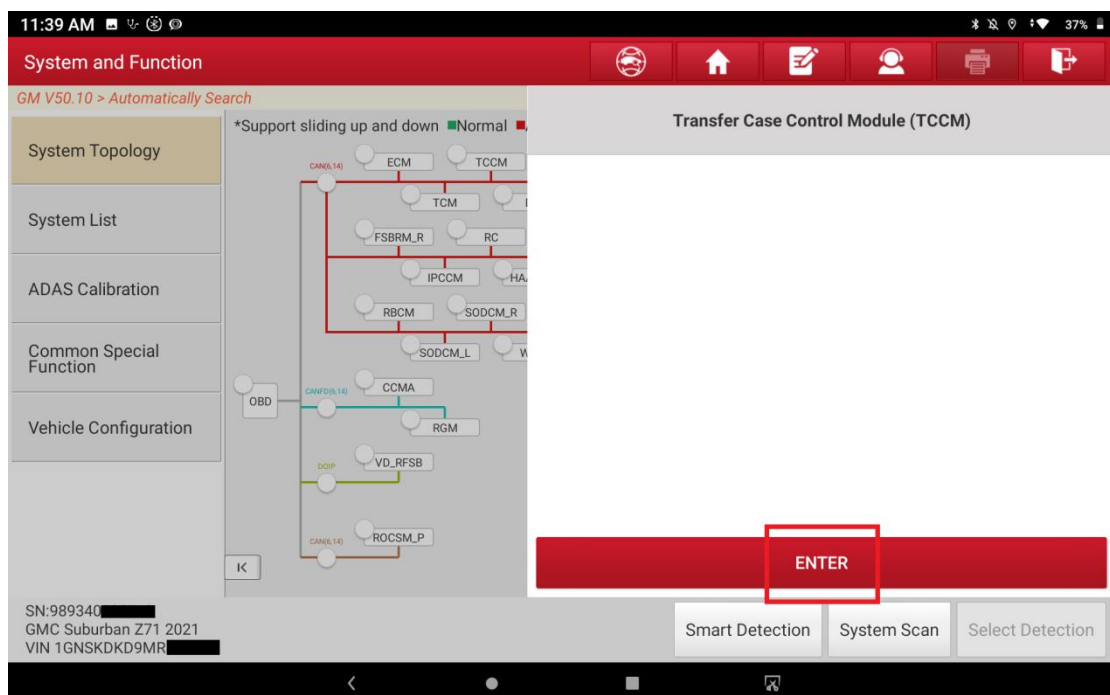
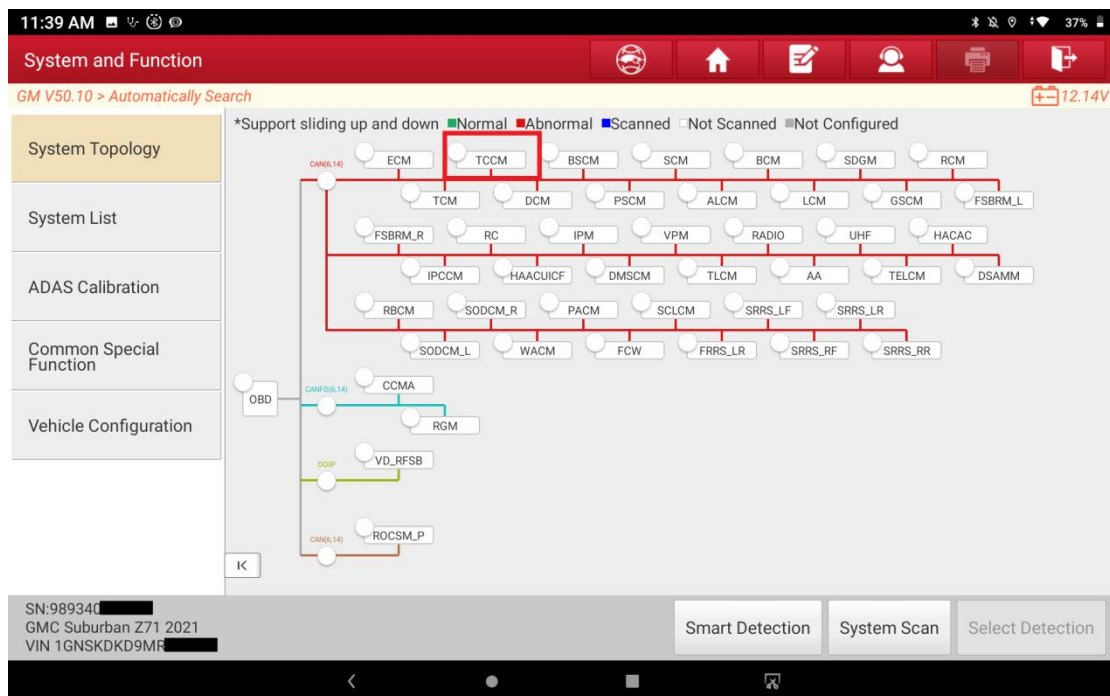
3. Choose [Automatically Search] to identify car models automatically.



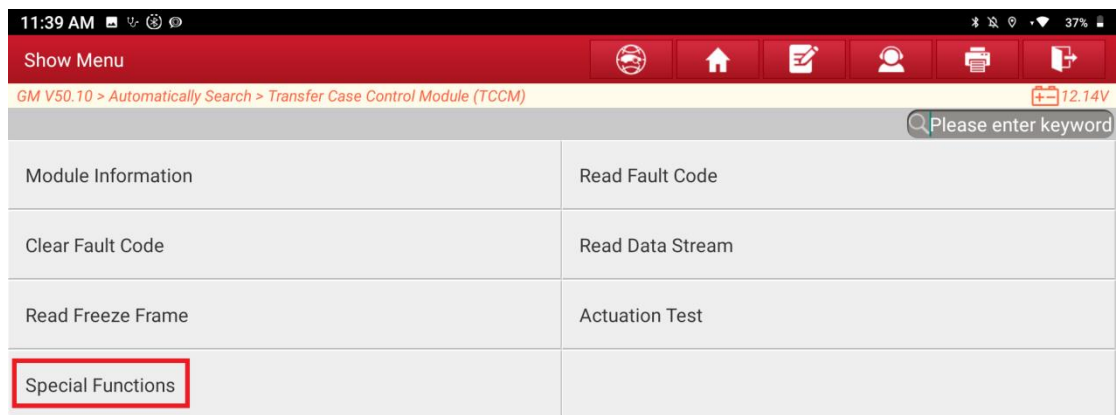
4. Operate according to the prompt “Turn Ignition ON (Turn The Key To On Position. For Push-Start Vehicle, Please Long Press The Start Button For 5-10s To Turn Ignition On)”.



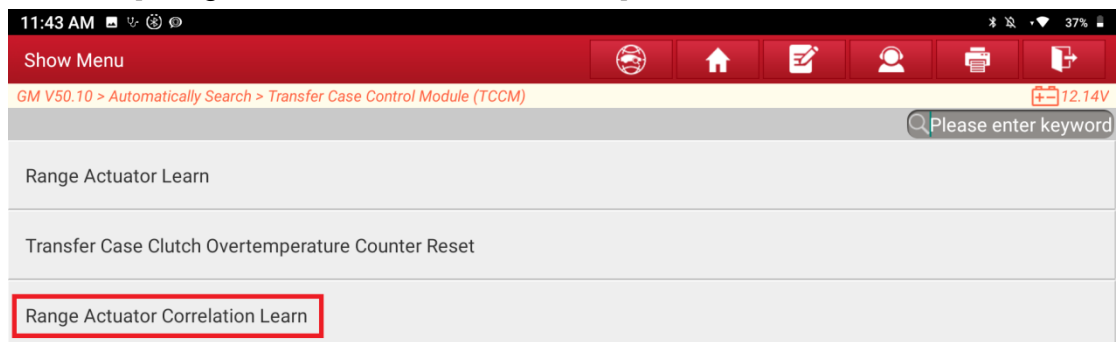
5. Click [TCCM] to access the system.



6. Click [Special Functions].



7. Click [Range Actuator Correlation Learn].



8. Ensure that the following conditions are met: “Start Engine, Control Module Voltage Signal Is Greater Than 11V, Shift The Gear Selection Into The-N-Position, Vehicle Speed Is 0”.

11:43 AM

Condition Check Information

GM V50.10 > Automatically Search > Transfer Case Control Module (TCCM) 12.15V

DataStream Name	Value	Condition
Engine Speed(rpm)	0.0	Start Engine
Control Module Voltage Signal(V)	12.000	Passed
Transmission Range Command	Park	Shift The Gear Selection Into The -N- Position
Vehicle Speed Sensor(km/h)	0	Passed

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VIN 1GNSKDKD9MR

11:44 AM

Condition Check Information

GM V50.10 > Automatically Search > Transfer Case Control Module (TCCM) 12.15V

DataStream Name	Value	Condition
Engine Speed(rpm)	896.0	Passed
Control Module Voltage Signal(V)	12.000	Passed
Transmission Range Command		Passed
Vehicle Speed Sensor(km/h)		Passed

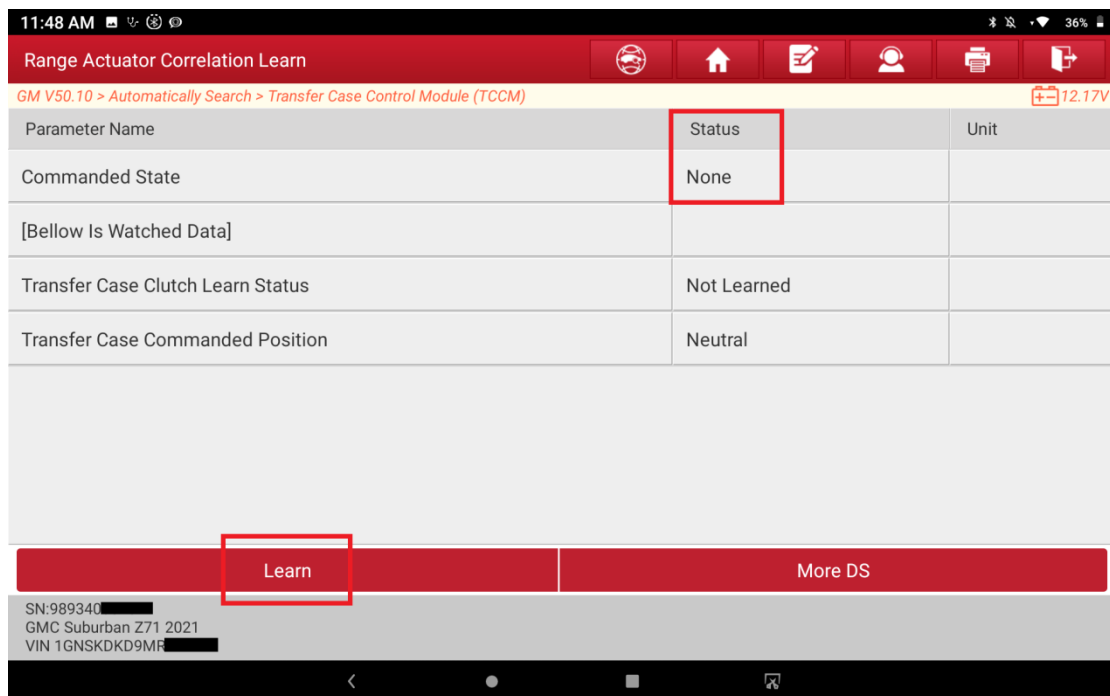
Notes

Reading Data,Please Wait...

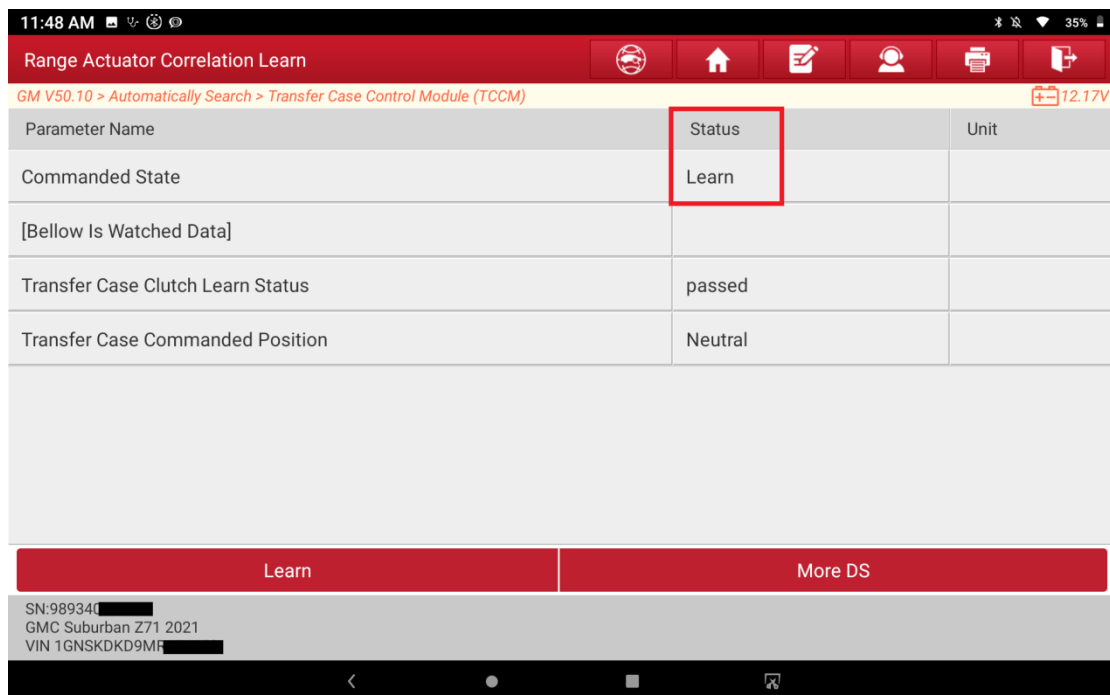
END SESSION

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9. Before the function learning, the status is “None”. Click “Learn”.



10. The status changes to “Learn”, indicating successful learning.



Statement:

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