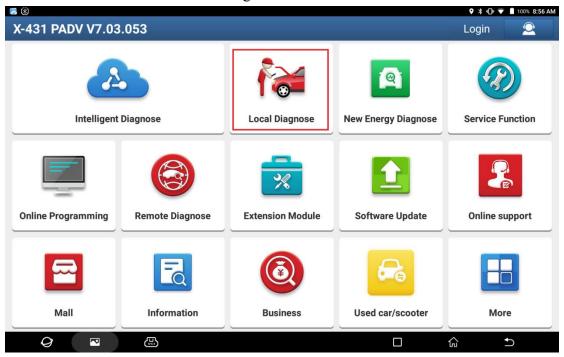
# **GM GMC Sierra Crankshaft Position Variation Learning Method**

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

Current equipment: PAD V

**Function description:** When replacing the engine control unit or crankshaft position sensor, it is necessary to perform the crankshaft position variation learning function. Tested model: 2020 GMC Sierra VIN: 3GTU2NEJ1JG2\*\*\*\*\*

1. Use PAD V to choose "Local Diagnose".



## 2. Choose "GM" to test.





**GM Diagnose V49.65** 

### INTRODUCTION

### This diagnostic software can test the ECUs of GM Models,including:

Engine Control Module, Transmission Control Module, Antilock Braking System, Supplemental Inflatable Restraint, Body Control Module, Instrument Panel Cluster, Heating and Air Conditioning, Tire Pressure Monitor, Electronic Suspension Control, Radio, Driver Door Module, Driver Position Module, Passenger Door Module, Remote Control Door Lock Receiver, Vehicle Comm. Interface Module, Immobilizer, Amplifier and so on.

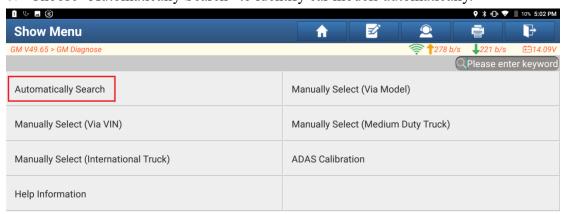
Reading ECU information Reading DTCs Clearing DTCs Reading vehicle running data Vehicle component operation test

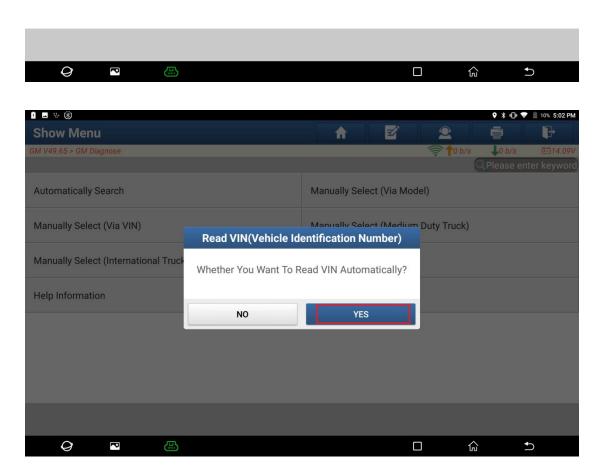
## Special Functions:

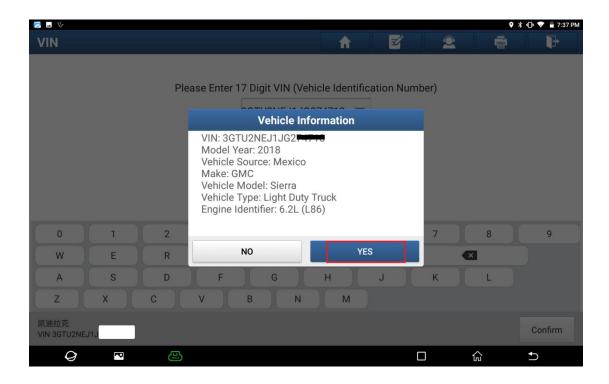
Engine Control Module:
Oil Life Reset
Accelerator Pedal Position (APP) Learn



3. Choose "Automatically Search" to identify car models automatically.



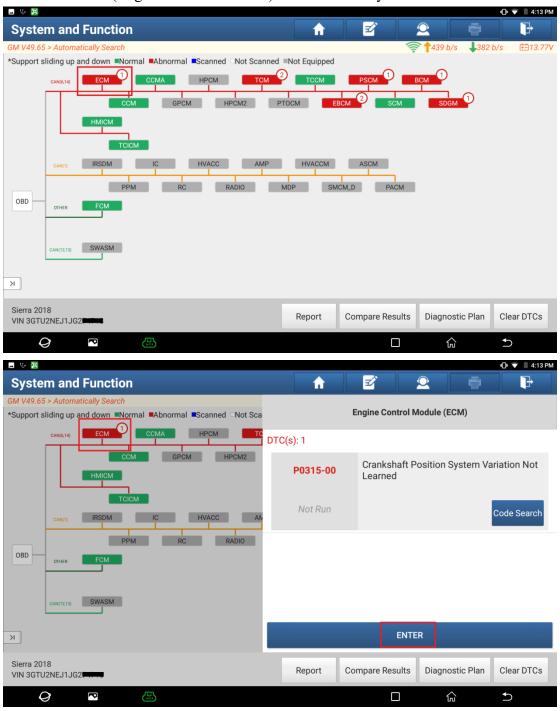




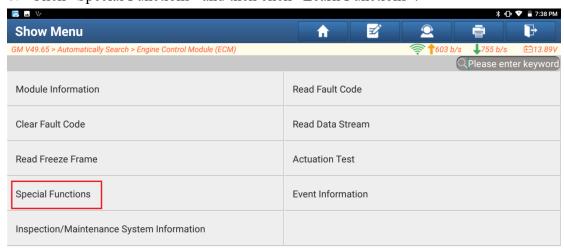
4. Click "Smart Detection" to scan the entire vehicle systems.

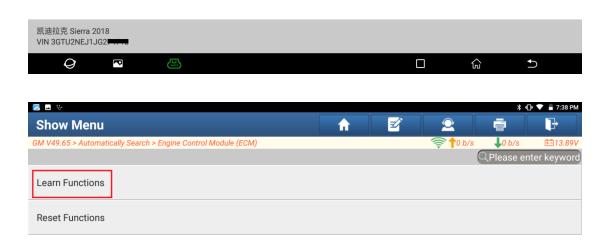


5. Click "ECM (Engine Control Module)" to access the system.



6. Click "Special Functions" and then click "Learn Functions".





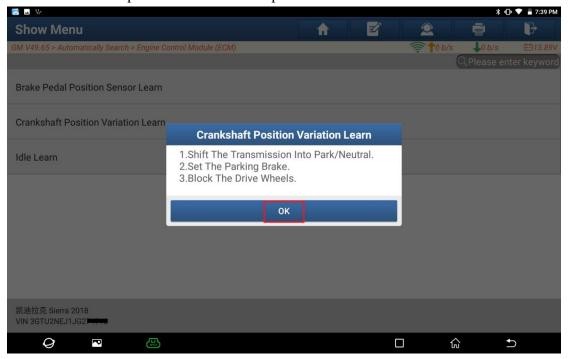


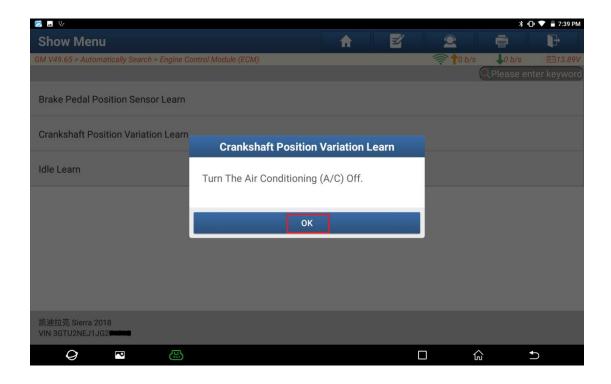
7. Click "Crankshaft Position Variation Learn".



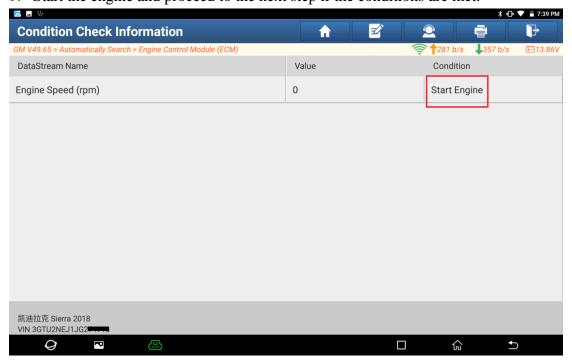


8. Click "OK" to proceed to the next step.



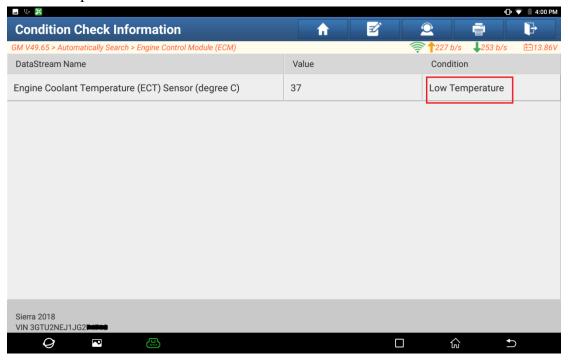


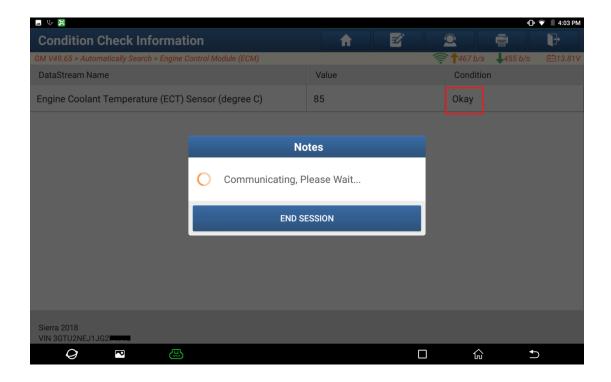
9. Start the engine and proceed to the next step if the conditions are met.



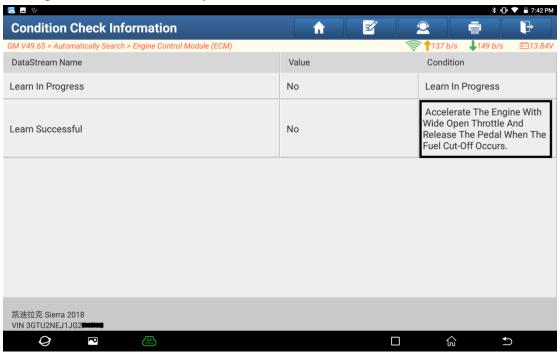


10. Wait until the engine coolant temperature meets the conditions to proceed to the next step.

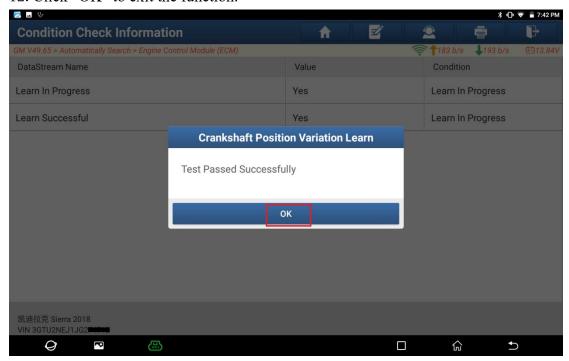




11. Depress the accelerator fully to meet the conditions.



## 12. Click "OK" to exit the function.



## **Statement:**

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