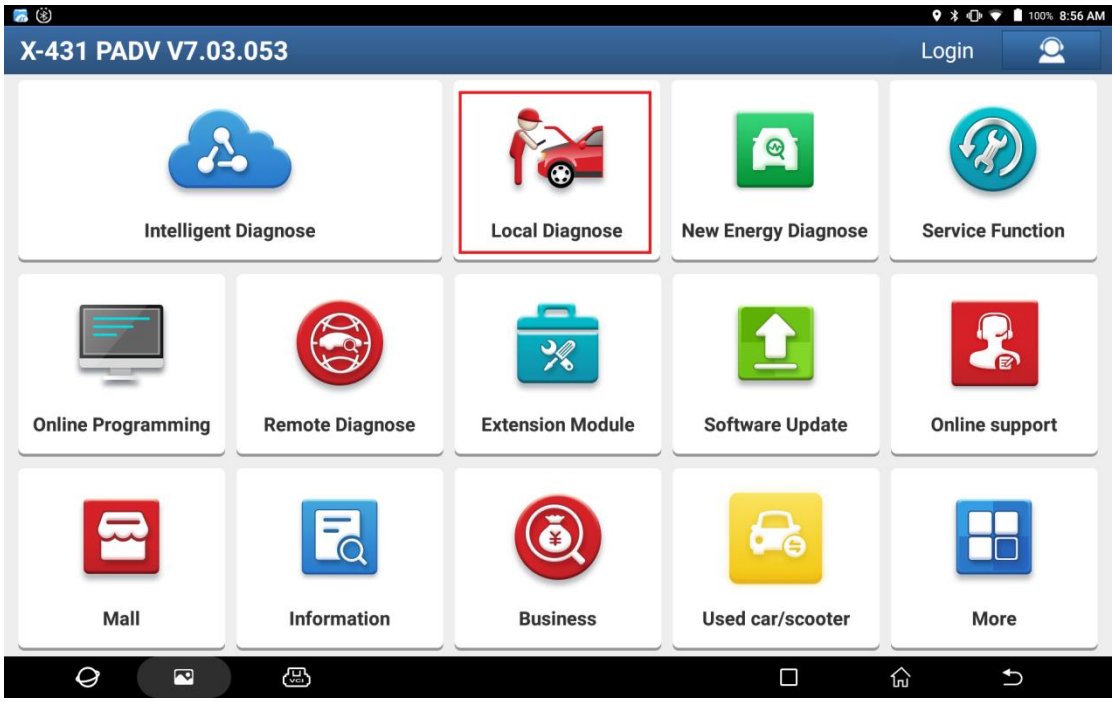
# GM GMC Sierra Crankshaft Position Variation Learning Method

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

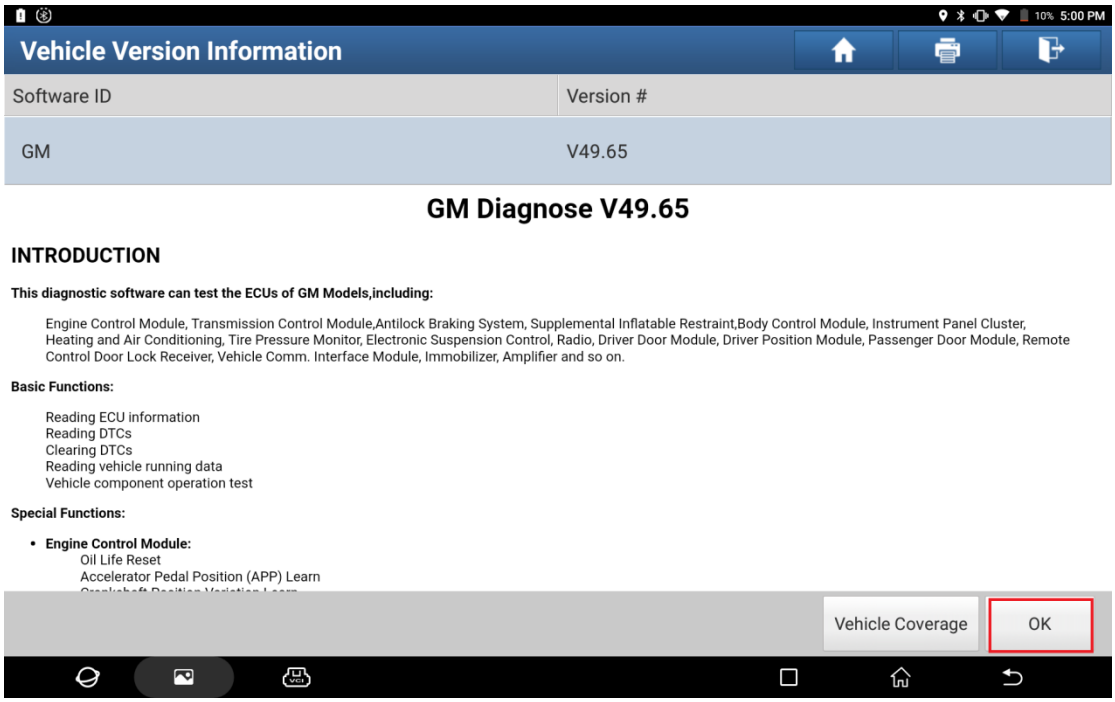
**Current equipment:** PAD V

**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*****

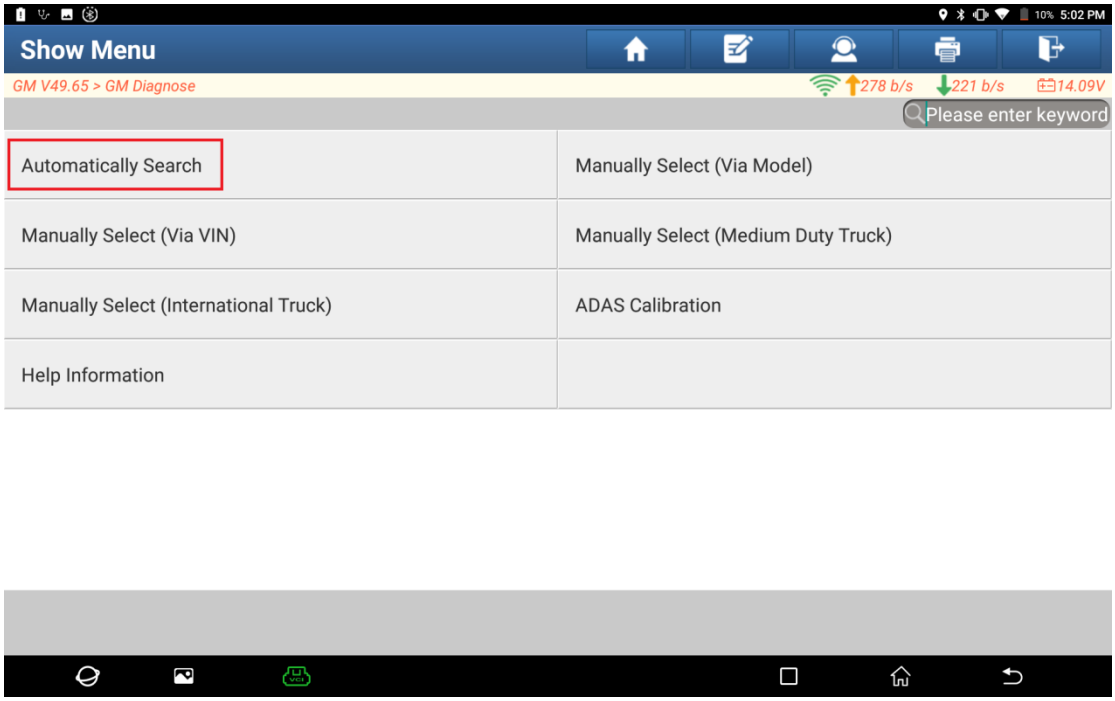
1. Use PAD V to choose "Local Diagnose".

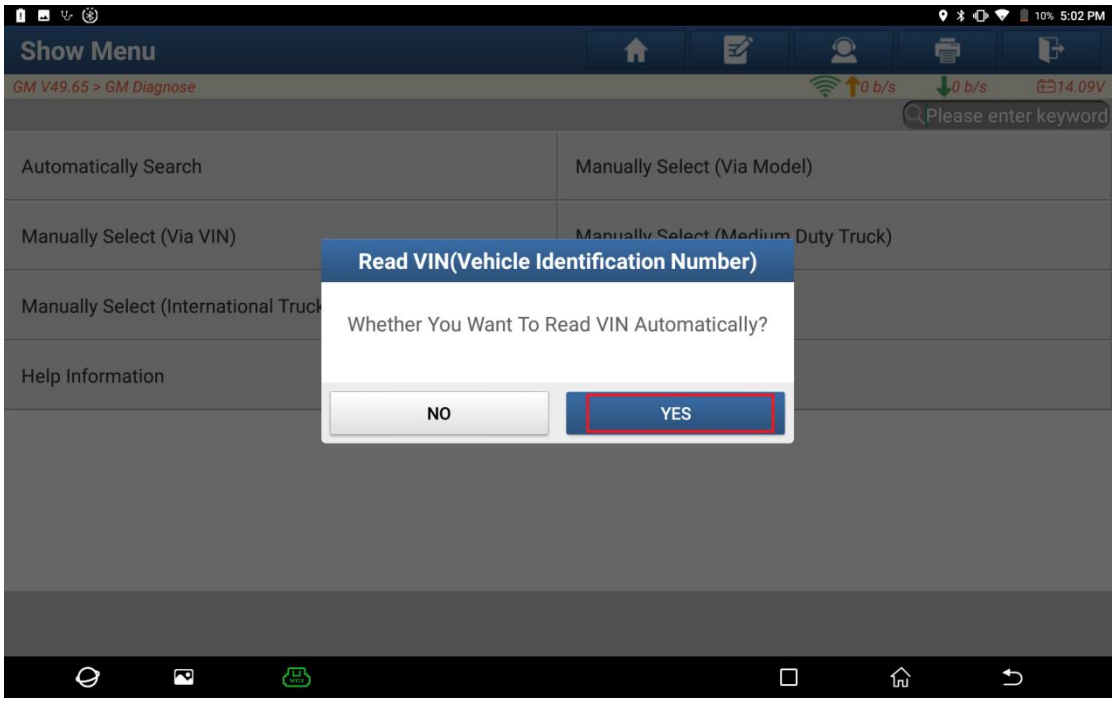


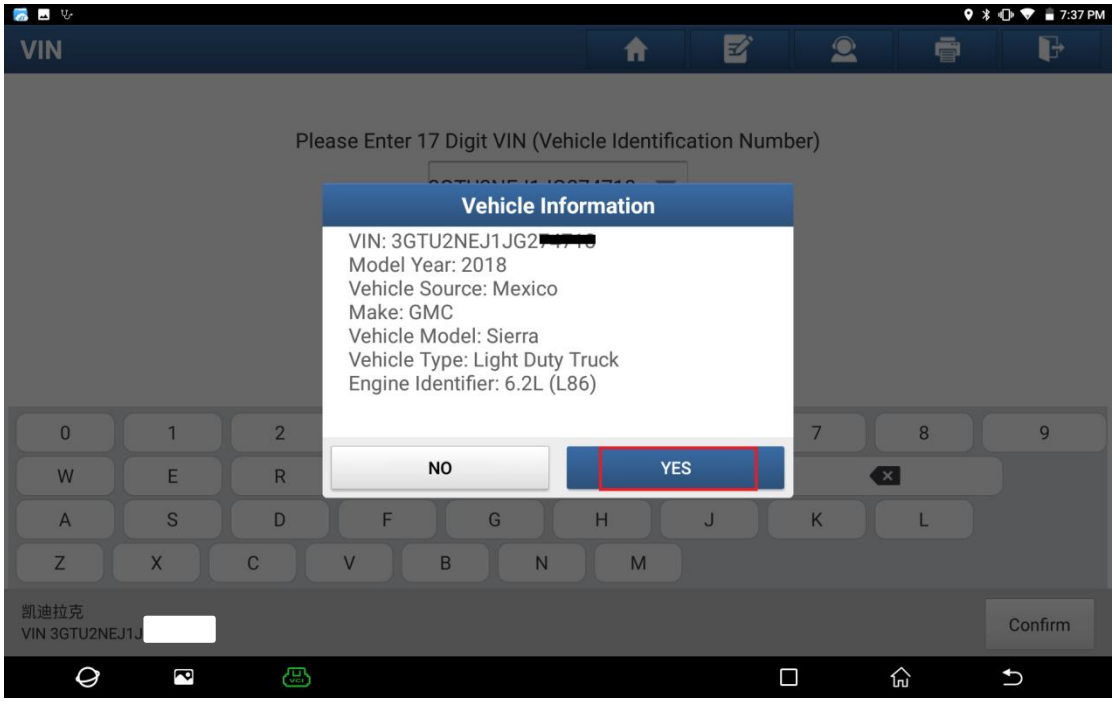
2. Choose “GM” to test.

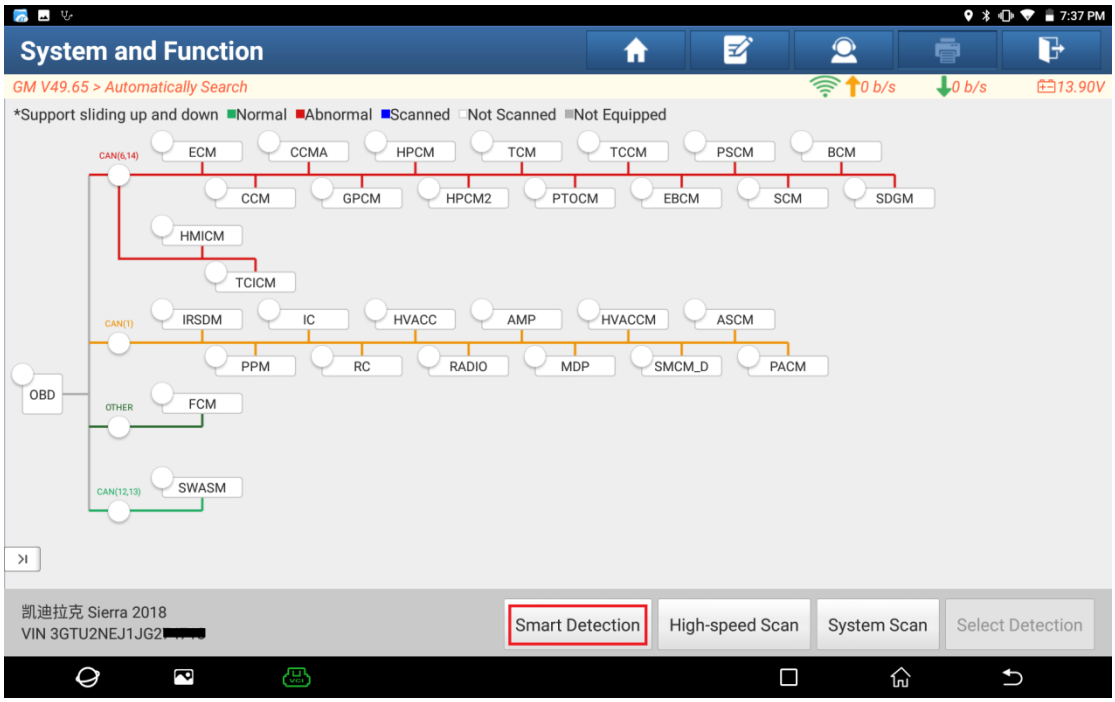
3. Choose “Automatically Search” to identify car models automatically.



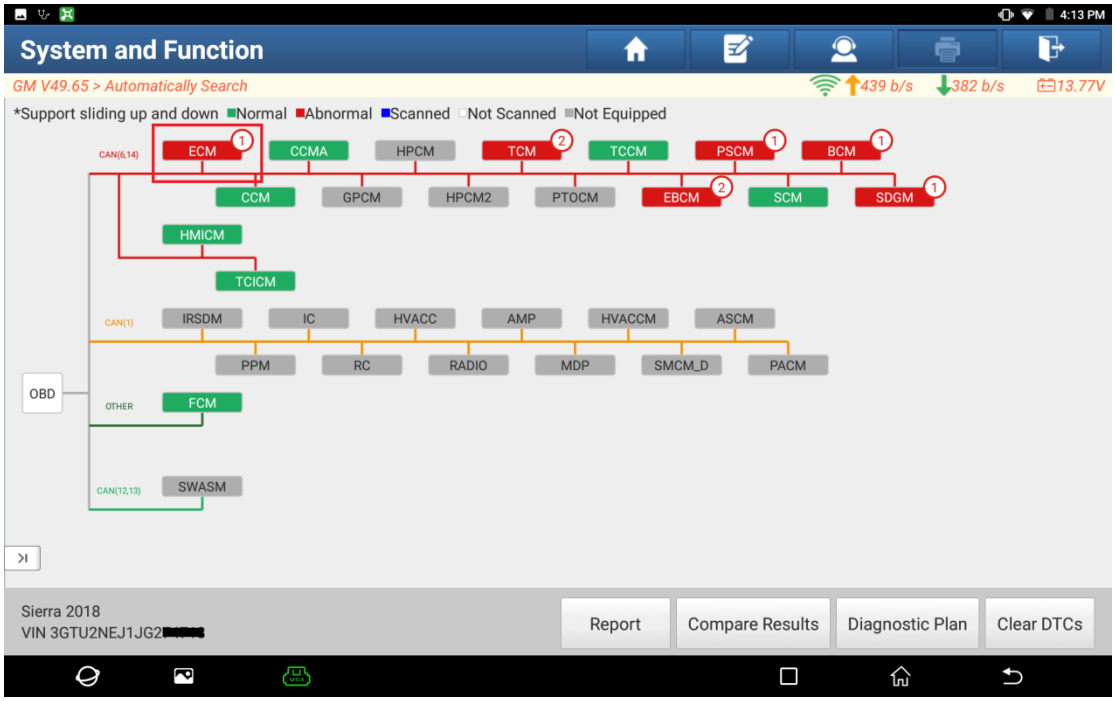



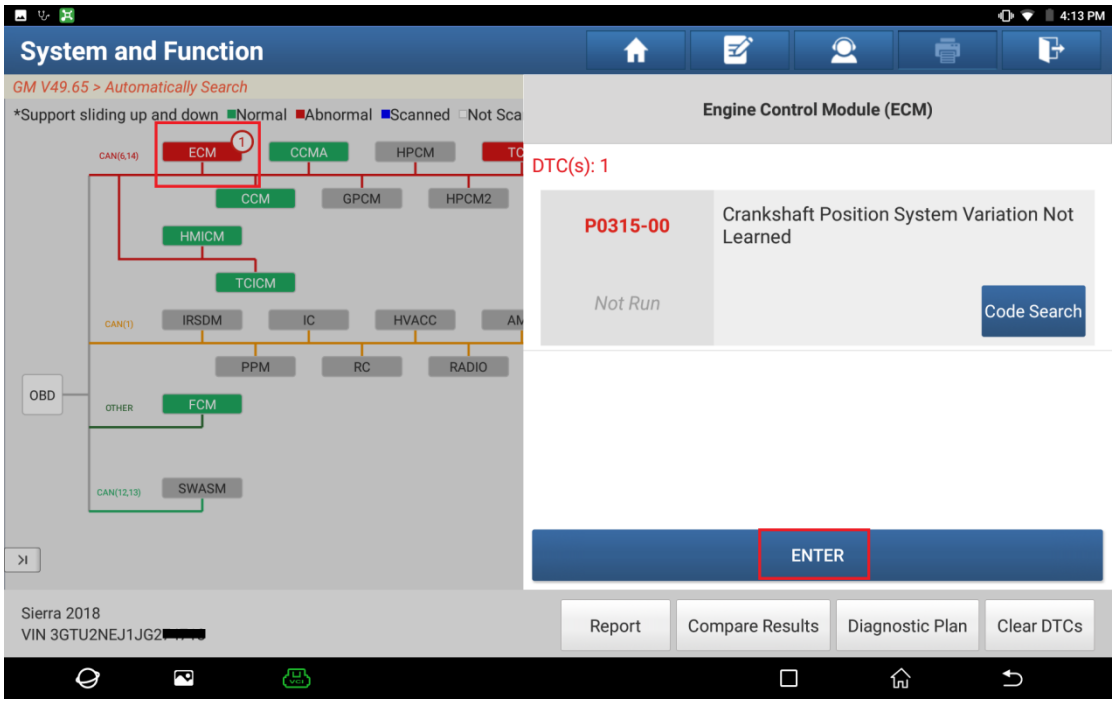



4. Click “Smart Detection” to scan the entire vehicle systems.

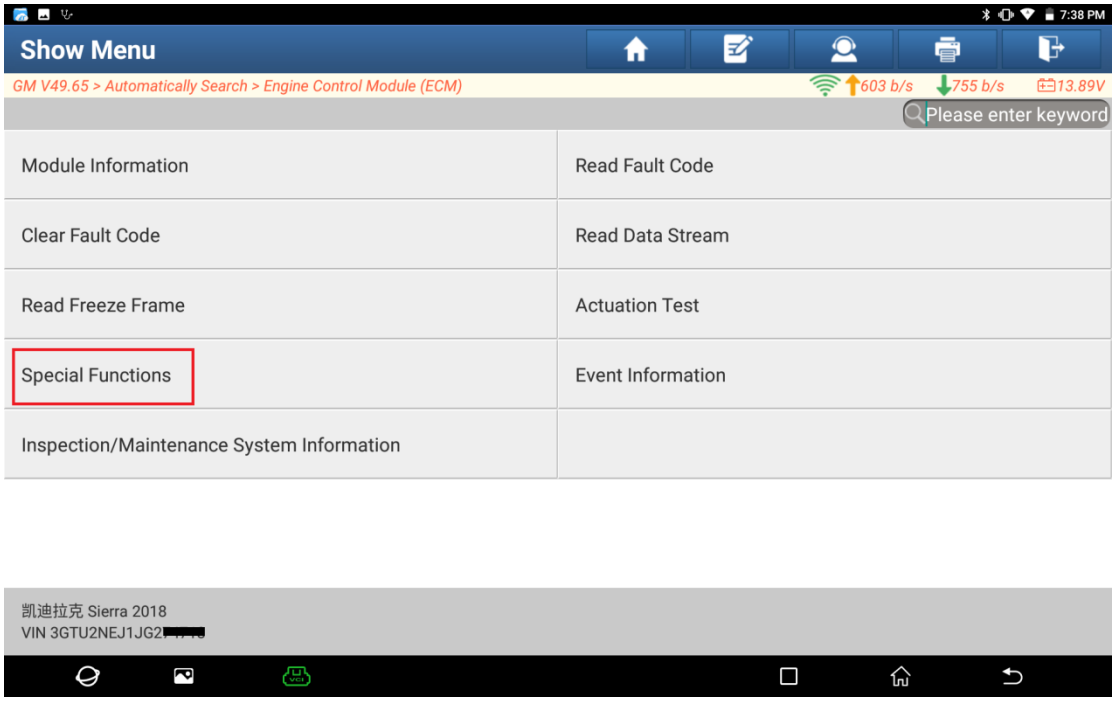


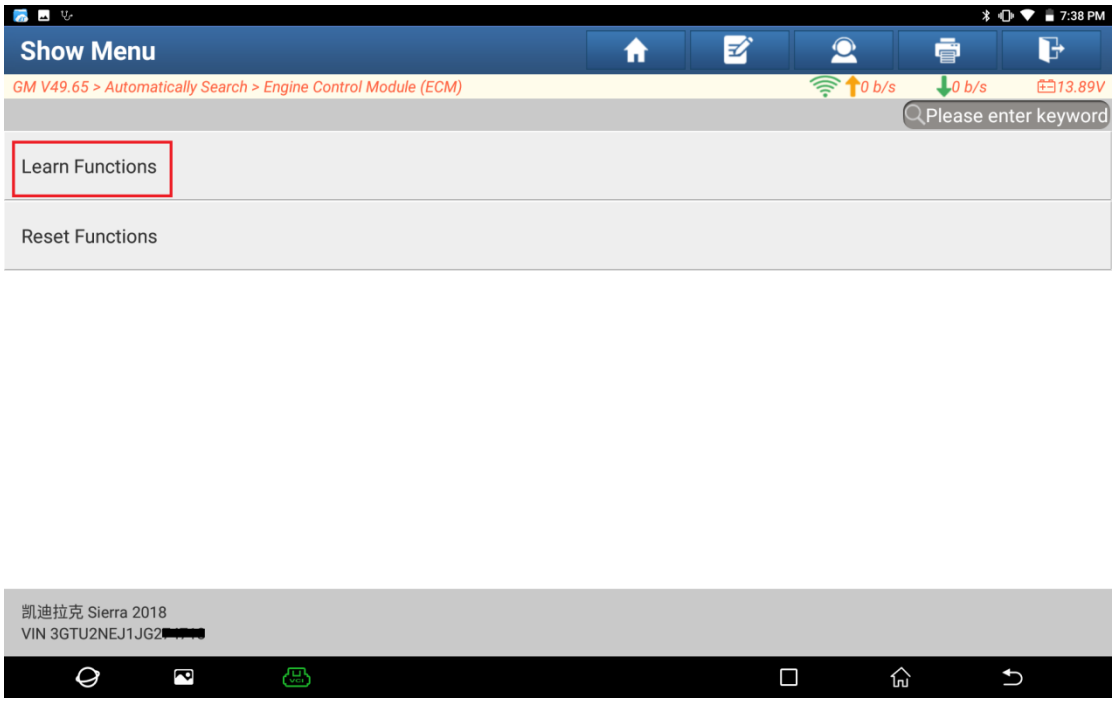
5. Click “ECM (Engine Control Module)” to access the system.



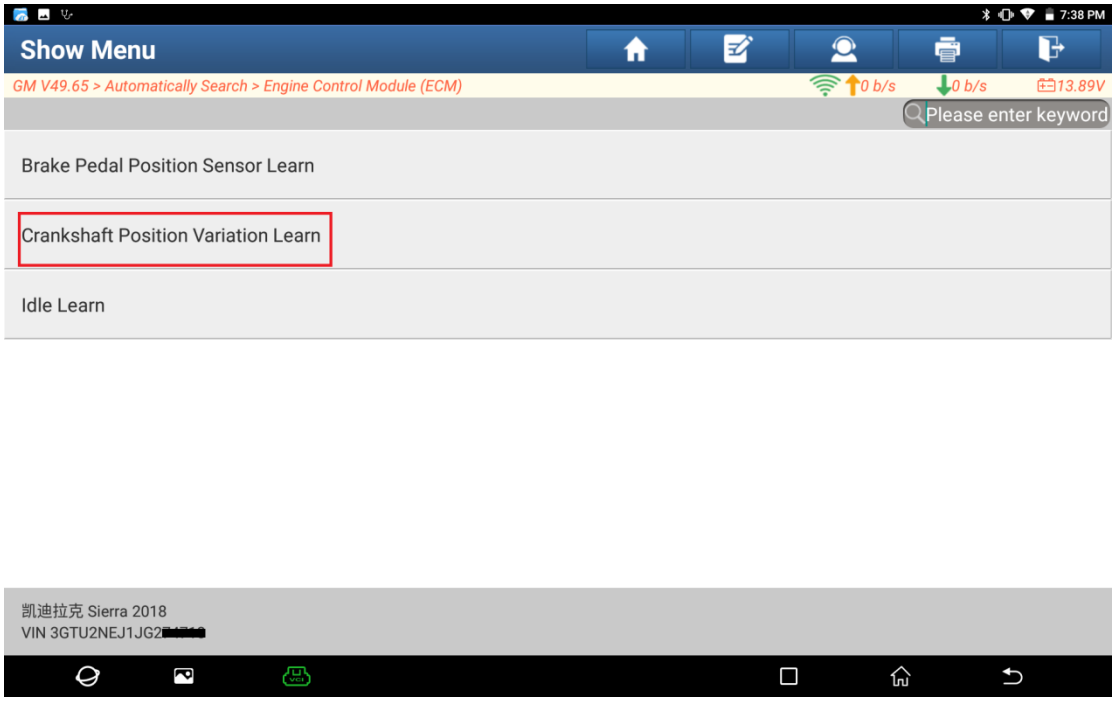



6. Click “Special Functions” and then click “Learn Functions”.

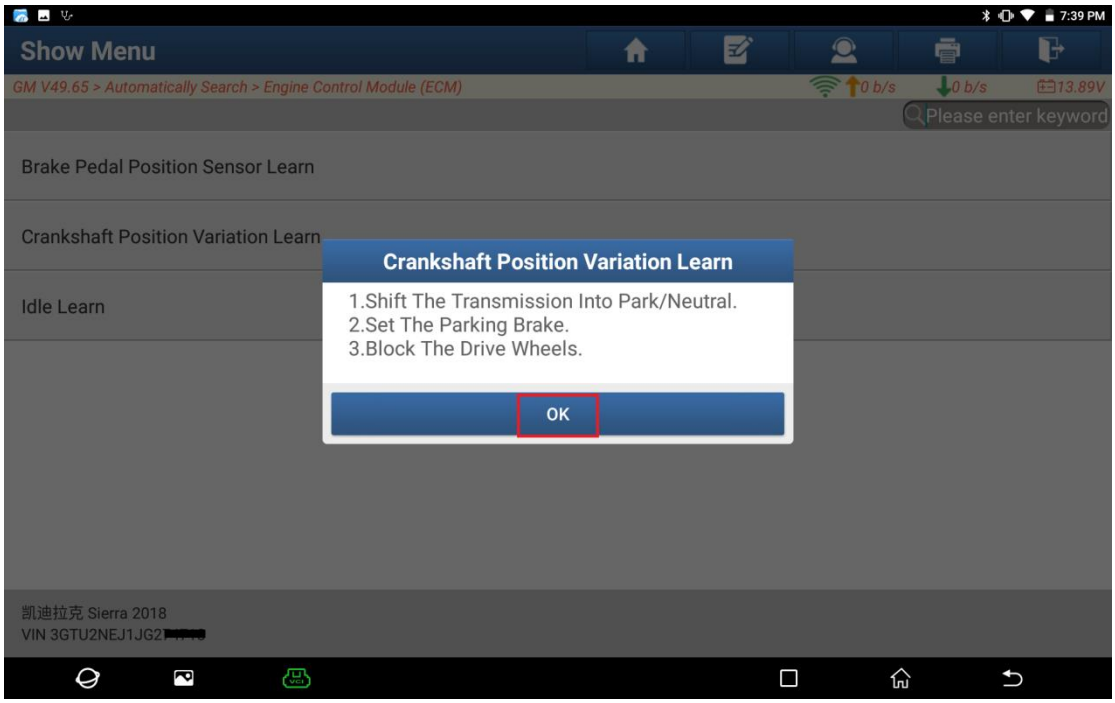


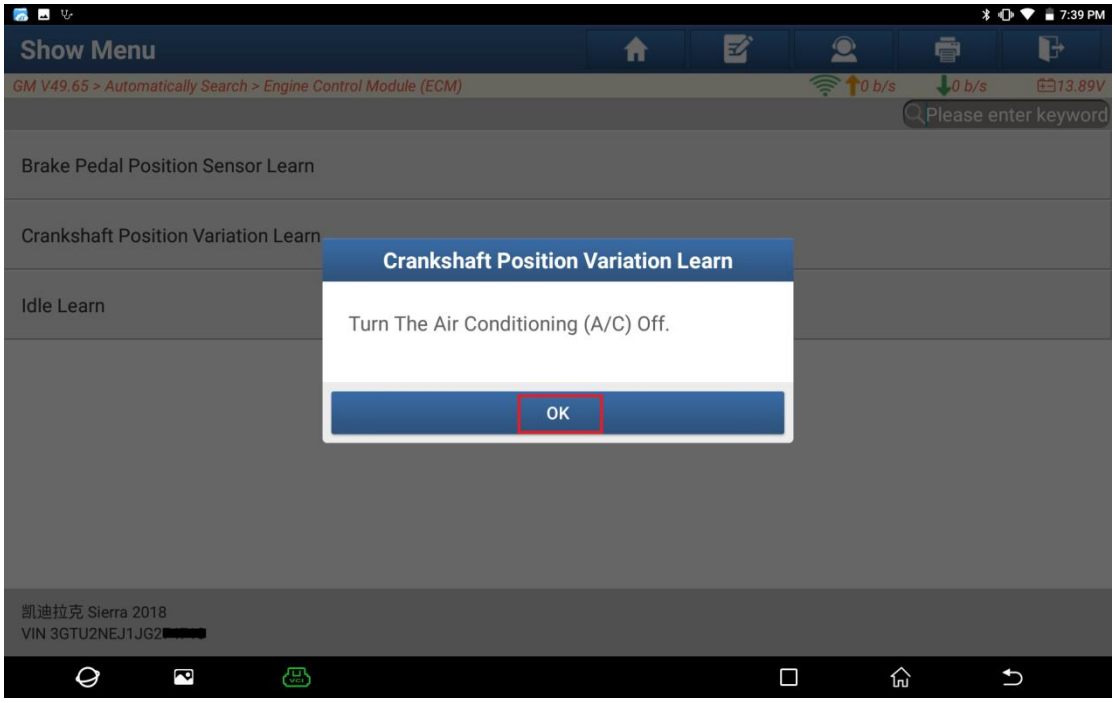



7. Click “Crankshaft Position Variation Learn”.

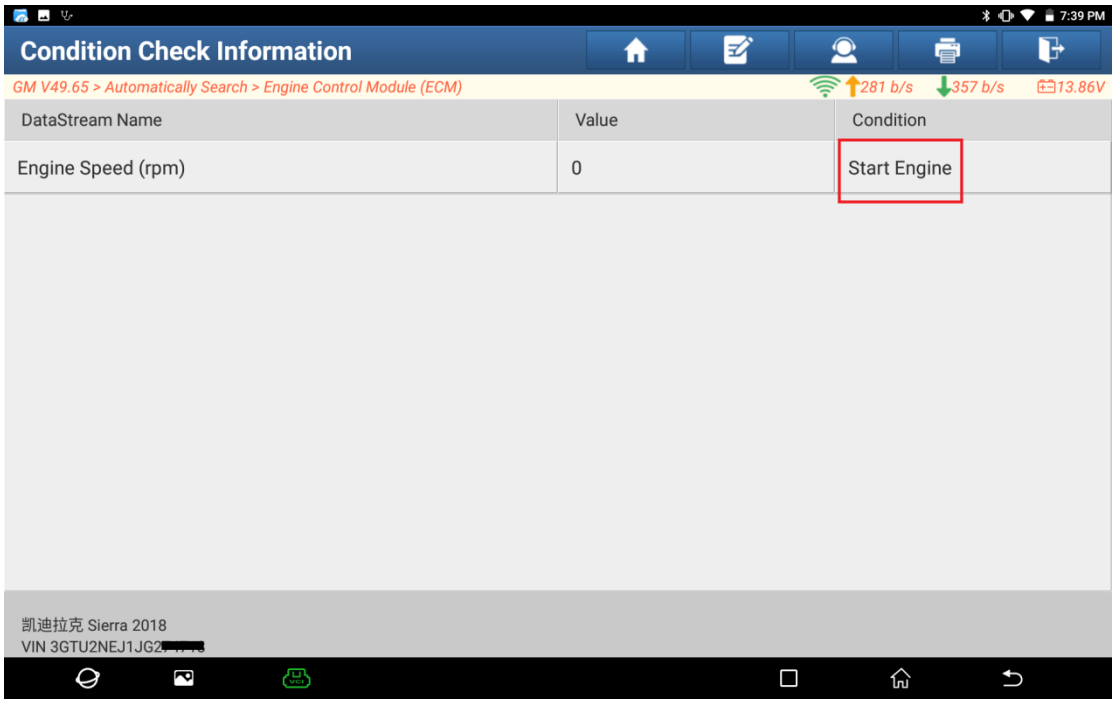


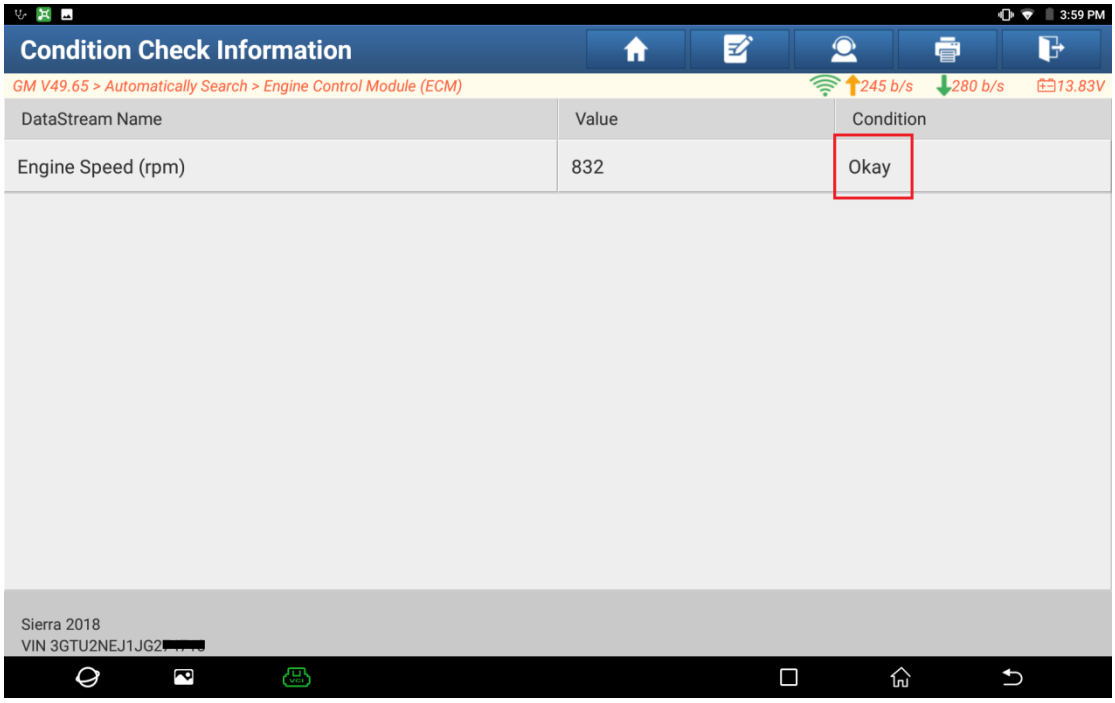

8. Click “OK” to proceed to the next step.



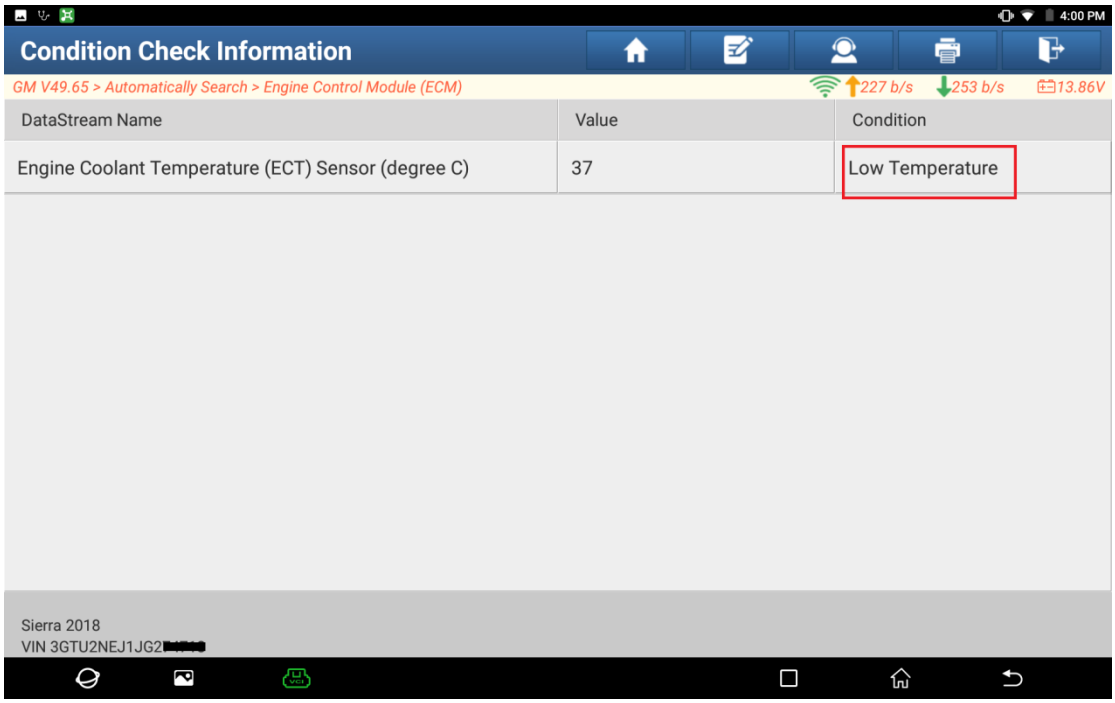


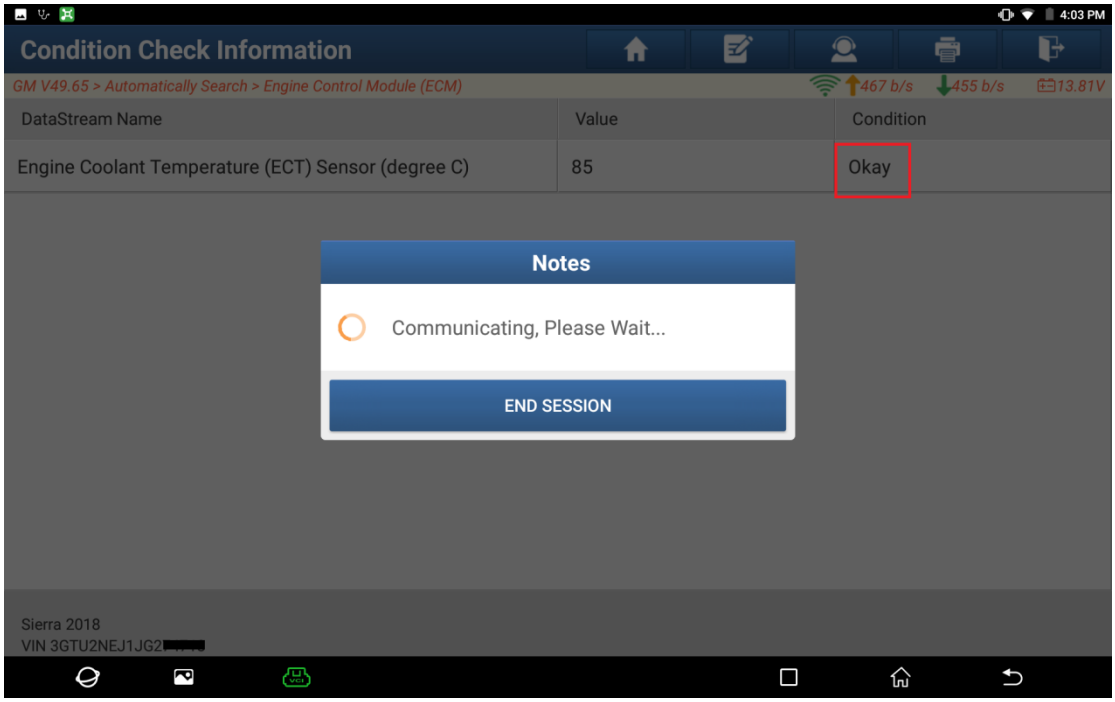

9. Start the engine and proceed to the next step if the conditions are met.



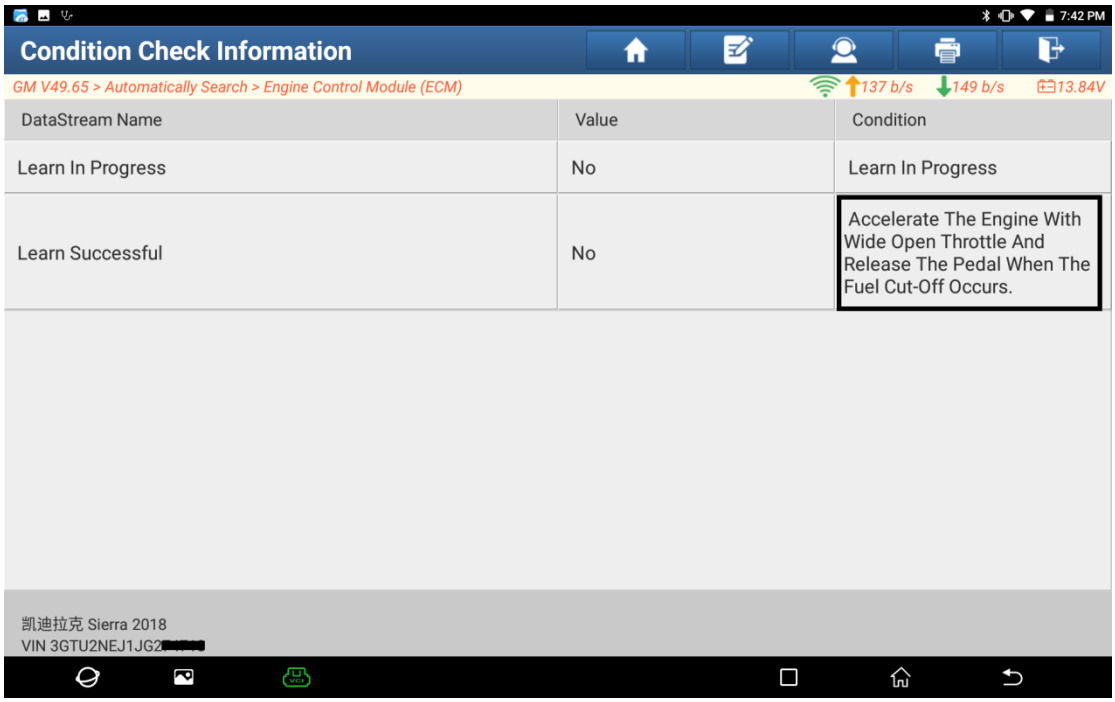



10. Wait until the engine coolant temperature meets the conditions to proceed to the next step.

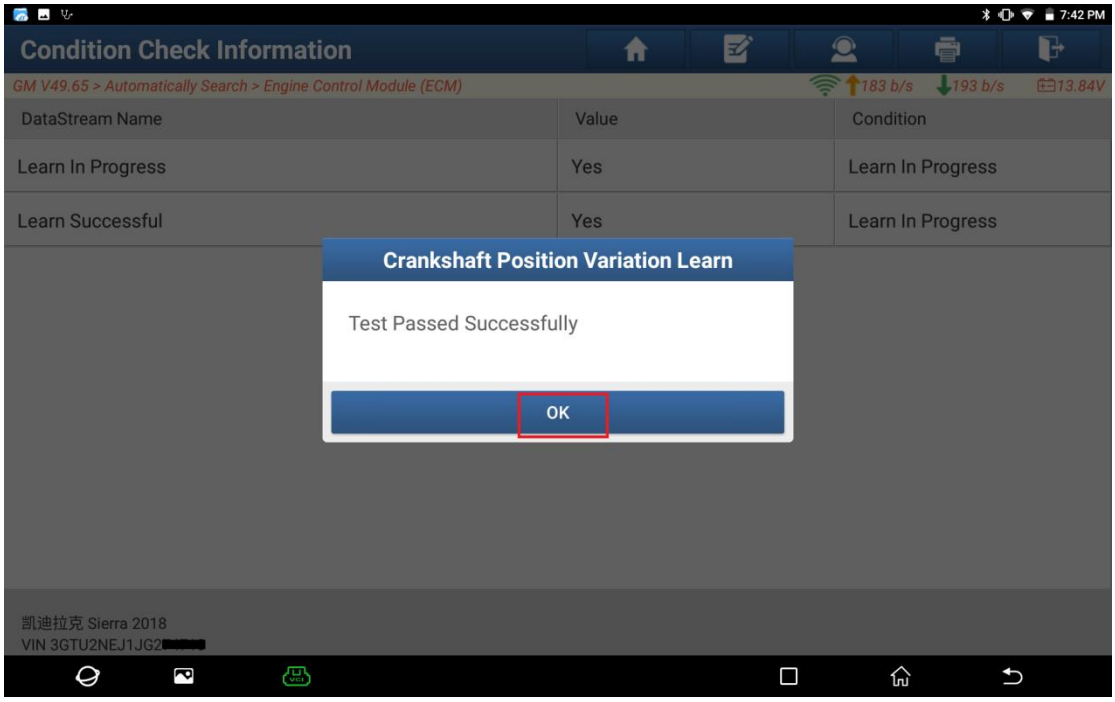





11. Depress the accelerator fully to meet the conditions.



12. Click “OK” to exit the function.




## Statement: