

GM Chevrolet Suburban 2021 Forward Range Radar Sensor Dynamic Learn

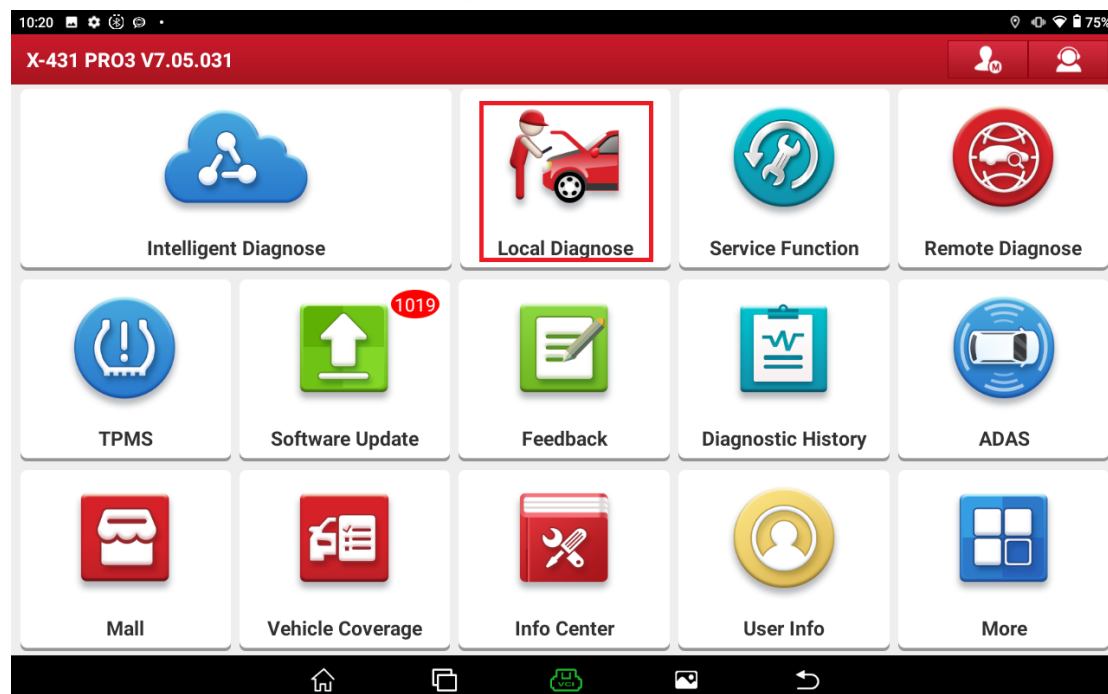
Supported equipment: Launch's full range of comprehensive diagnostic equipment

Current equipment: PRO3S+

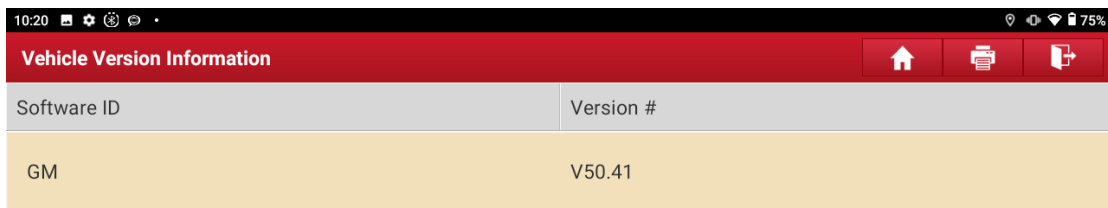
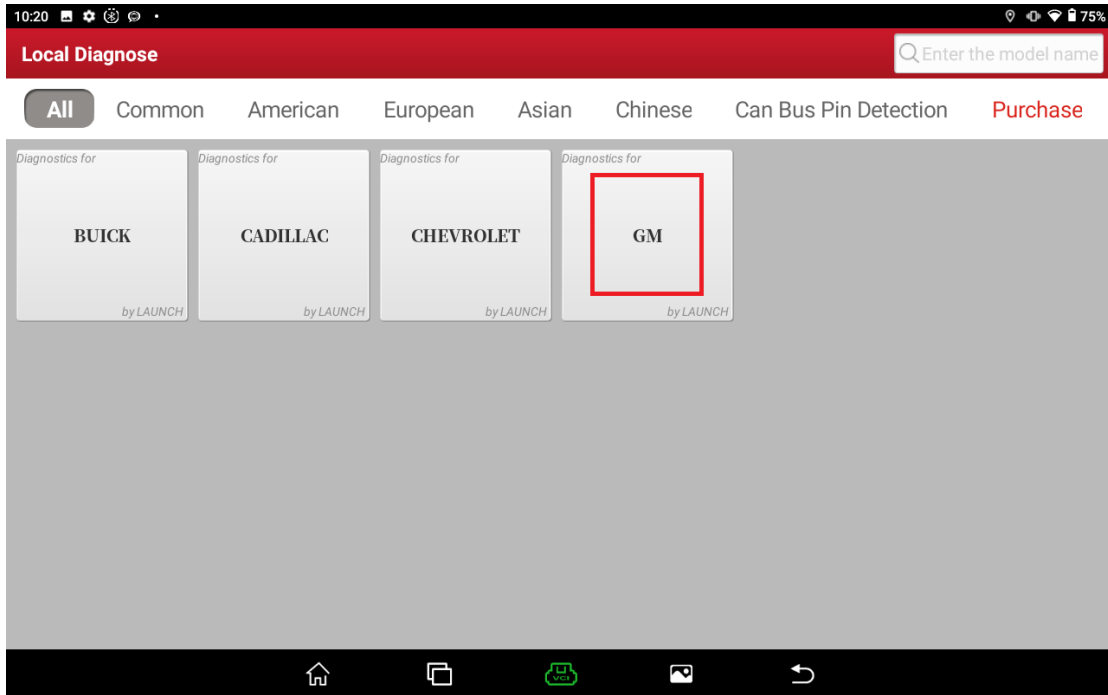
Function description: This function is required after removal, reinstallation or replacement of the forward radar sensor, collision repair, wheel alignment, suspension adjustment, module programming, or when radar calibration related DTCs are triggered.

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

1. It is necessary to stop the vehicle before performing this function. On a PRO3S+, choose [Local Diagnose].



2. Choose [GM] to test.



GM Diagnose V50.41

INTRODUCTION

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

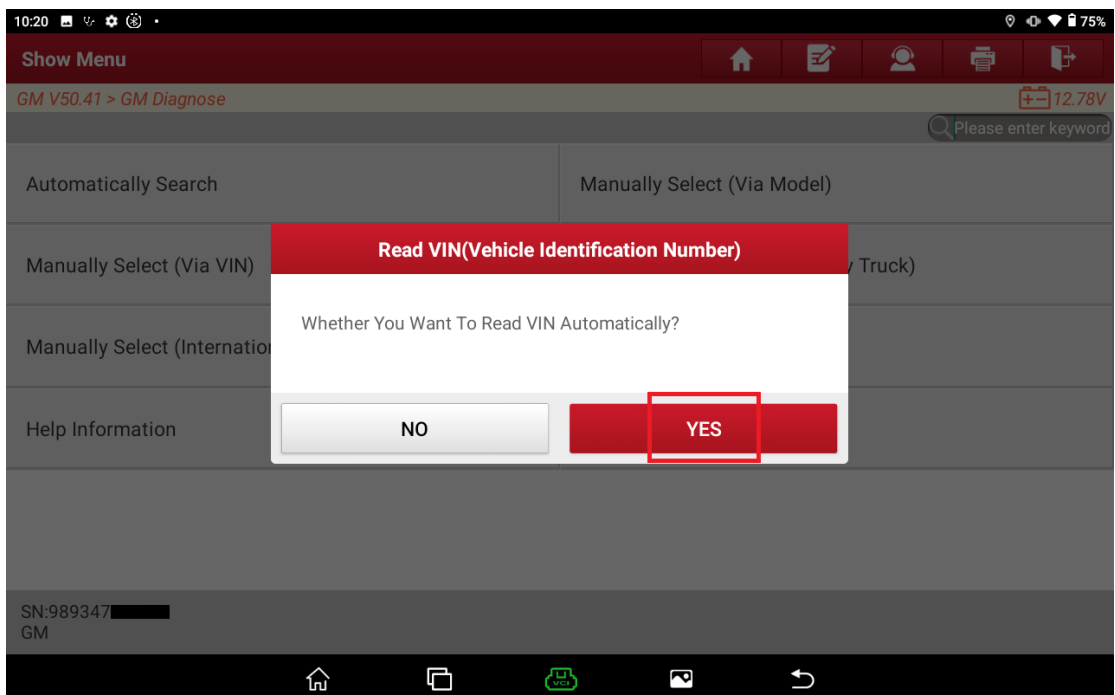
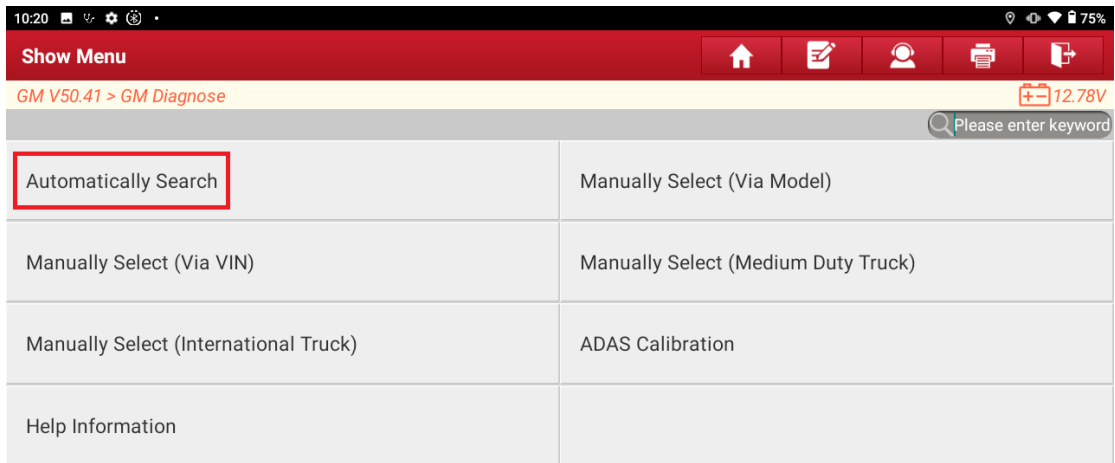
Engine Control Module, Transmission Control Module,Antilock Braking System, Supplemental Inflatable Restraint,Body Control Module, Instrument Panel Cluster, Heating and Air Conditioning, Tire Pressure Monitor, Electronic Suspension Control, Radio, Driver Door Module, Driver Position Module, Passenger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

Basic Functions:

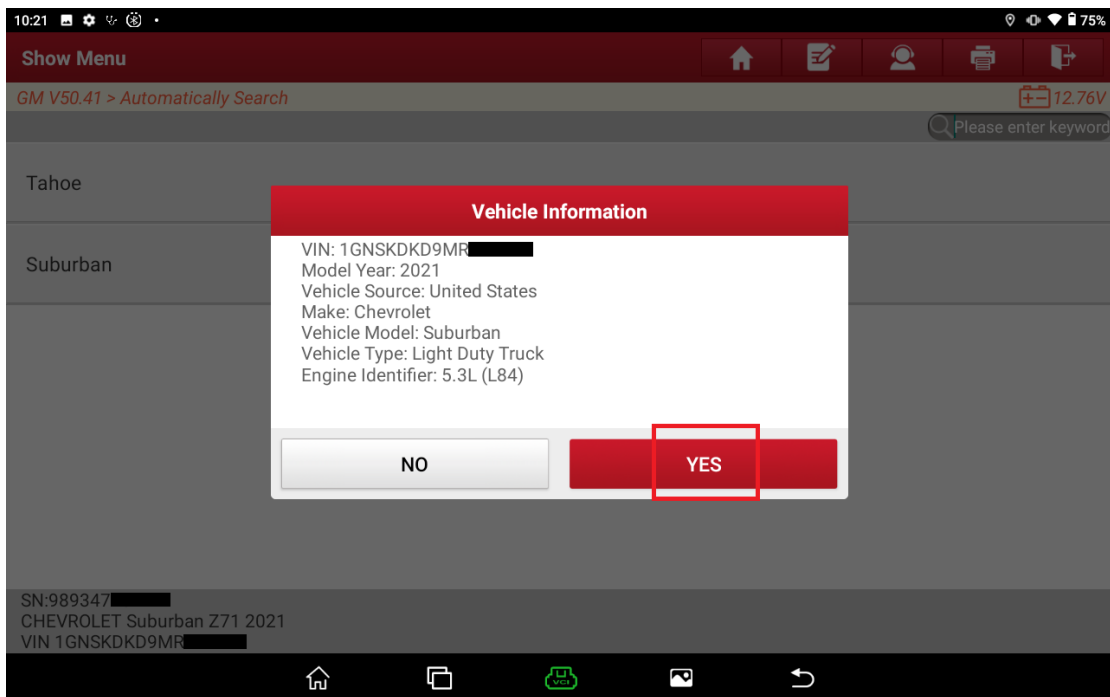
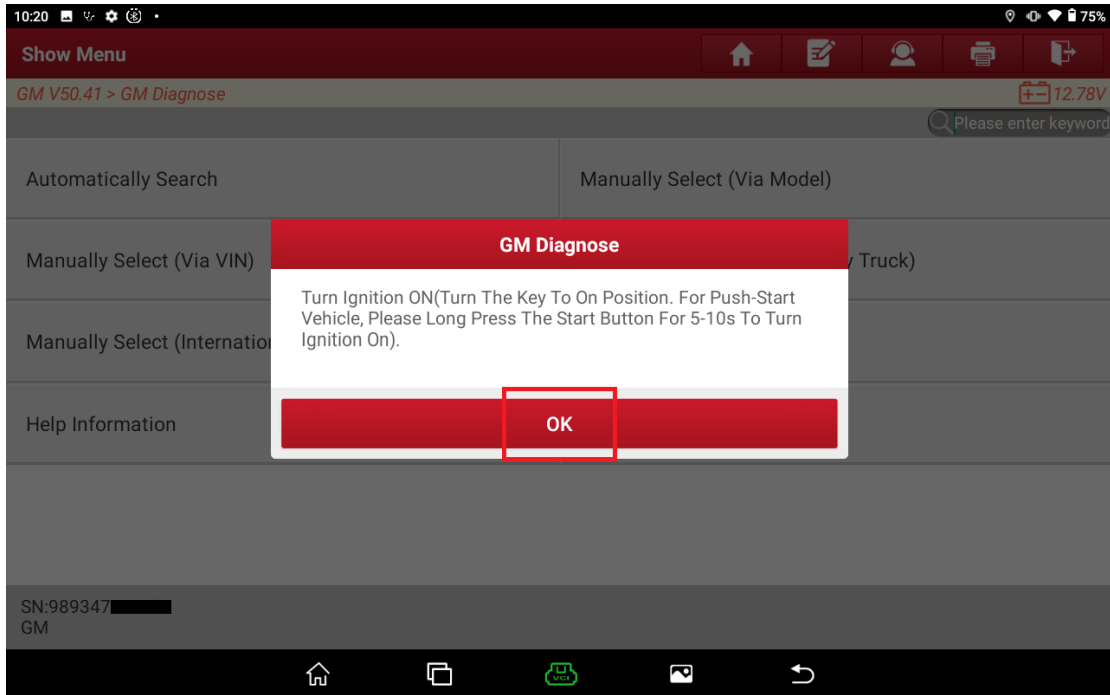
- Reading ECU information
- Reading DTCs
- Clearing DTCs
- Reading vehicle running data
- Vehicle component operation test



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 [FRRS_LR] to enter the system.

System and Function

GM V50.41 > Automatically Search 12.78V

*Support sliding up and down ■ Normal ■ Abnormal ■ Scanned □ Not Scanned ■ Not Configured

ECM TCCM BSCM SCM BCM SDGM
TCM DCM PSCM ALCM LCM GSCM
RCM FSBRLR RC IPM VPM RADIO
FSBRMLL IPCCM HAACUICF DMSCM TLCD AA
UHF HACAC RBCM SODCMLR PACM SCLCM
TELCD DSAMM SODCML WACM FCW FRRS_LR
SRRS_LF SRRS_LR
SRRS_RF SRRS_RR
CCMA RGM

SN:989347
CHEVROLET Suburban Z71 2021
VIN 1GNSKDKD9MR

Smart Detection System Scan Select Detection

System and Function

GM V50.41 > Automatically Search

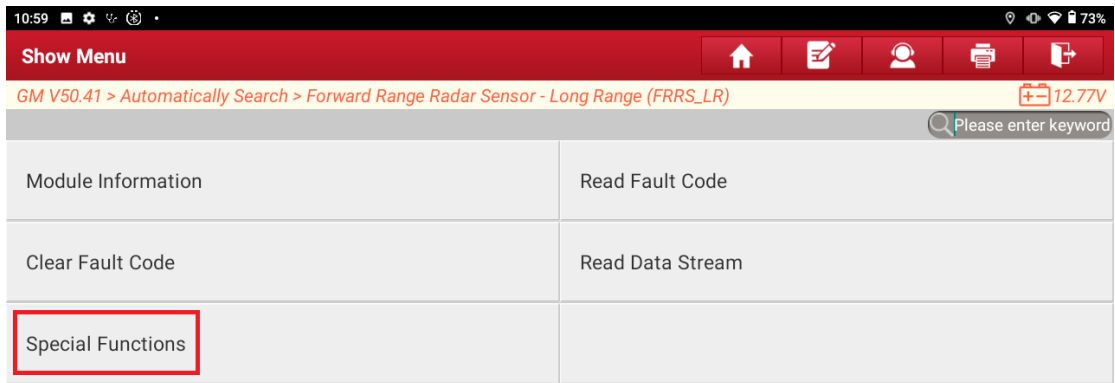
Forward Range Radar Sensor - Long Range (FRRS_LR)

ENTER

SN:989347
CHEVROLET Suburban Z71 2021
VIN 1GNSKDKD9MR

Smart Detection System Scan Select Detection

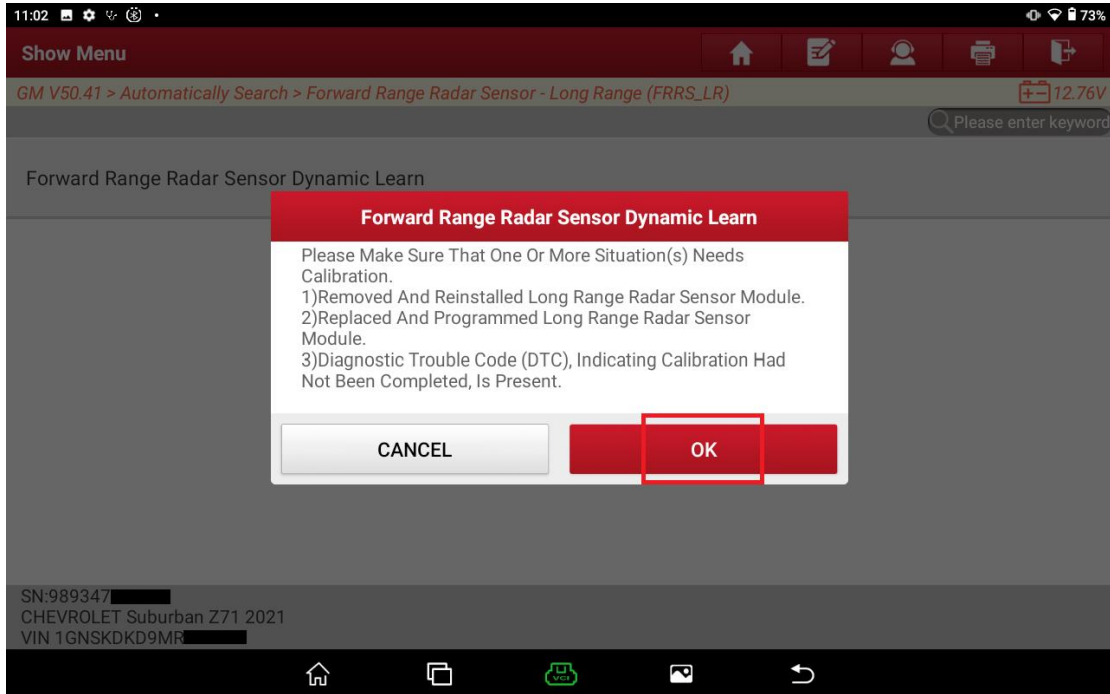
6. Click [Special Functions].



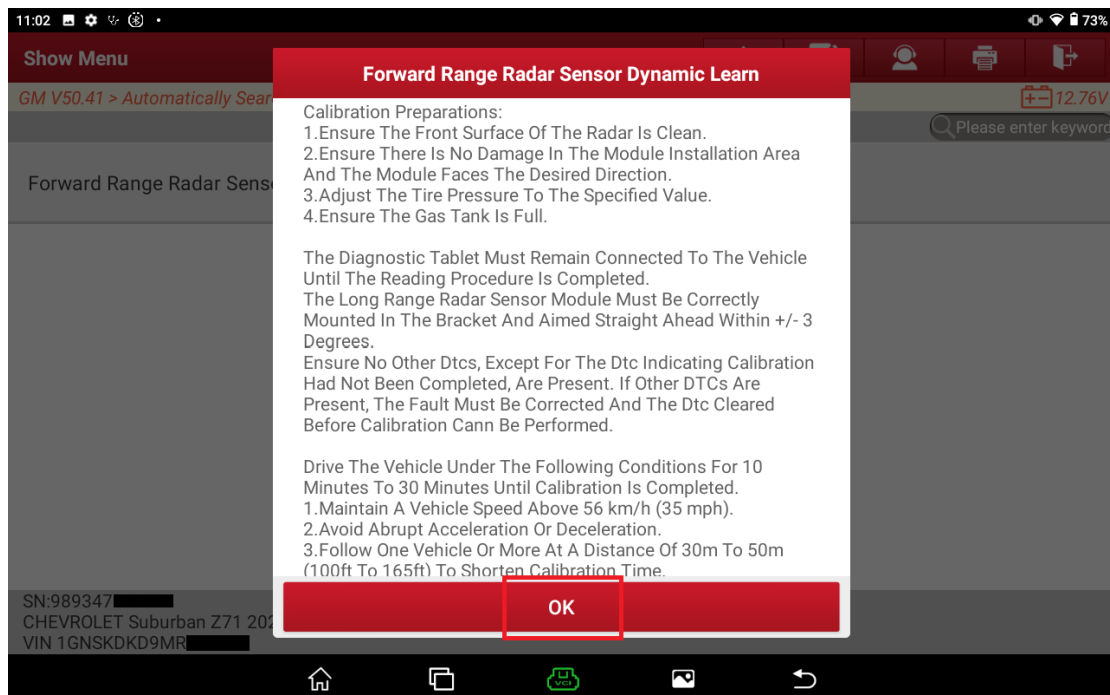
7. Click [Forward Range Radar Sensor Dynamic Learn].

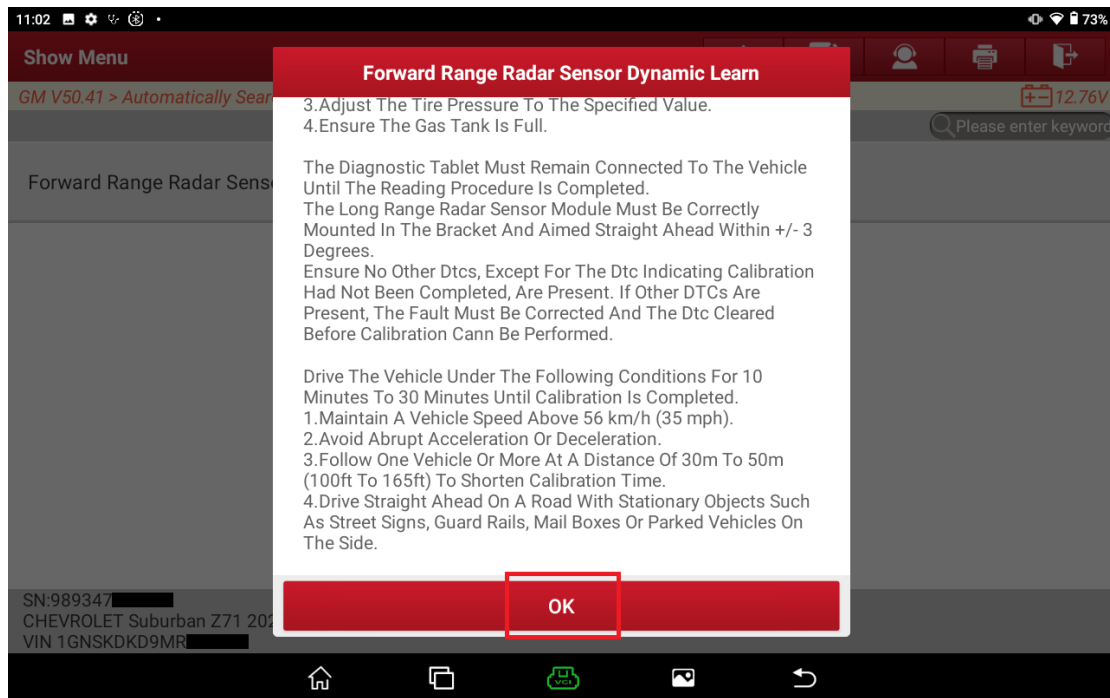


- 8. Confirm the applicable scenarios as prompted: "Please Make Sure That One Or More Situation(s) Needs Calibration. 1) Removed And Reinstalled Long Range Radar Sensor Module. 2) Replaced And Programmed Long Range Radar Sensor Module. 3) Diagnostic Trouble Code (DTC), Indicating Calibration Had Not Been Completed, Is Present."

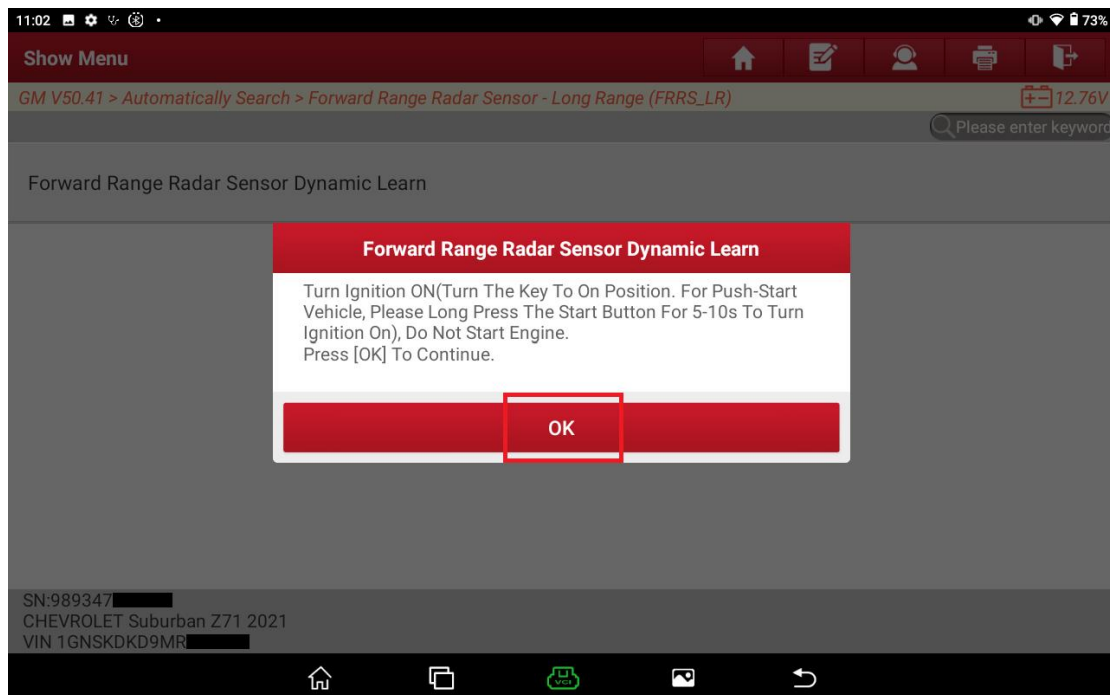


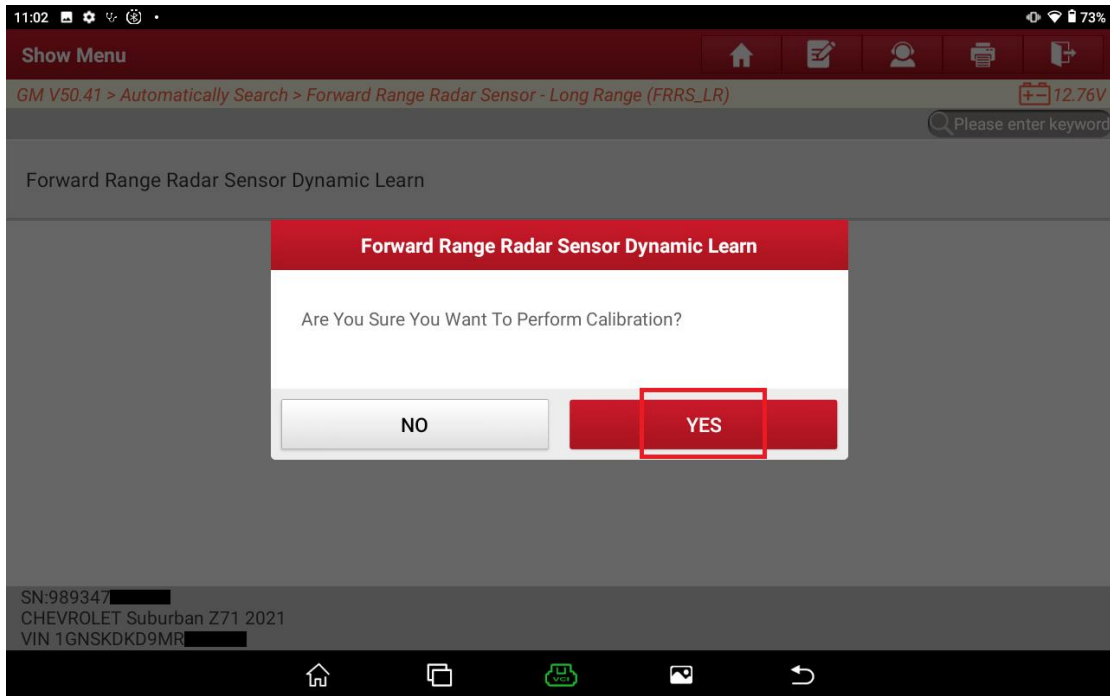
9. Before execution, confirm that the following conditions are met: “Calibration Preparations: 1. Ensure The Front Surface Of The Radar Is Clean. 2. Ensure There Is No Damage In The Module Installation Area And The Module Faces The Desired Direction. 3. Adjust The Tire Pressure To The Specified Value. 4. Ensure The Gas Tank Is Full. The Diagnostic Tablet Must Remain Connected To The Vehicle Until The Reading Procedure Is Completed. The Long Range Radar Sensor Module Must Be Correctly Mounted In The Bracket And Aimed Straight Ahead Within +/- 3Degrees.Ensure No Other Dtc's, Except For The Dtc Indicating Calibration Had Not Been Completed, Are Present. If Other DTCs Are Present, The Fault Must Be Corrected And The Dtc Cleared Before Calibration Can Be Performed. Drive The Vehicle Under The Following Conditions For 10 Minutes To 30 Minutes Until Calibration Is Completed. 1. Maintain A Vehicle Speed Above 56 km/h (35 mph). 2. Avoid Abrupt Acceleration Or Deceleration. 3. Follow One Vehicle Or More At A Distance Of 30m To 50m(100ft To 165ft) To Shorten Calibration Time.4.Drive Straight Ahead On A Road With Stationary Objects Such As Street Signs, Guard Rails, Mail Boxes Or Parked Vehicles On The Side.”



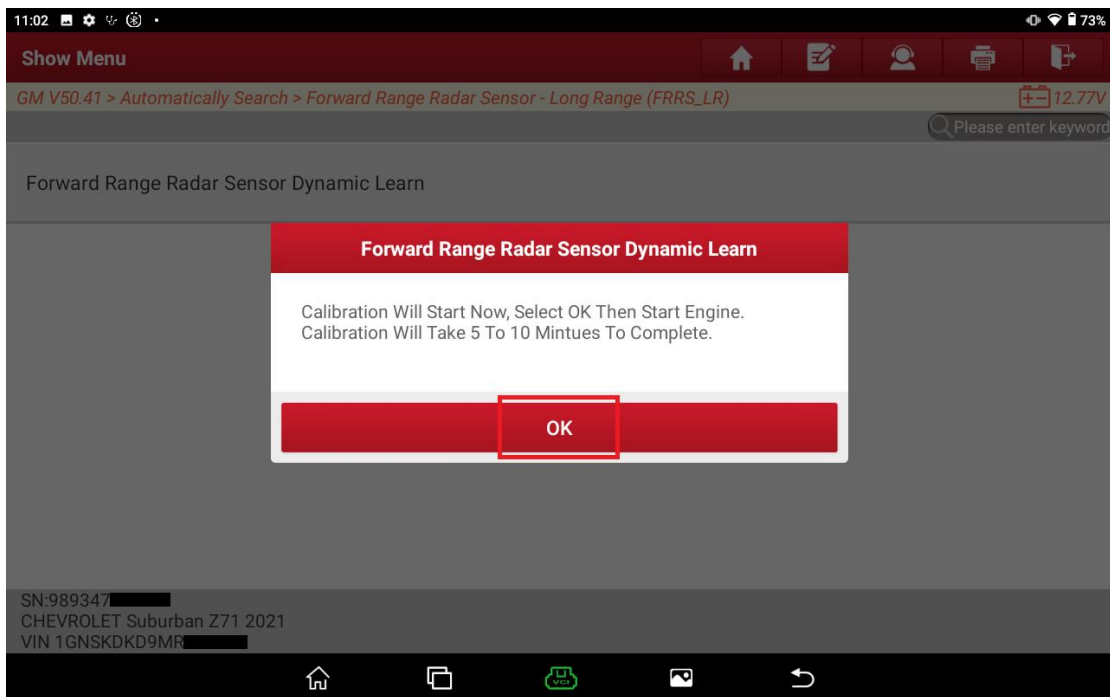


10. Before execution, confirm that the following conditions are met: “Turn Ignition ON (Turn The Key To On Position. For Push-Start Vehicle, Please Long Press The Start Button For 5-10s To Turn Ignition On), Do Not Start Engine. Press [OK] To Continue.”

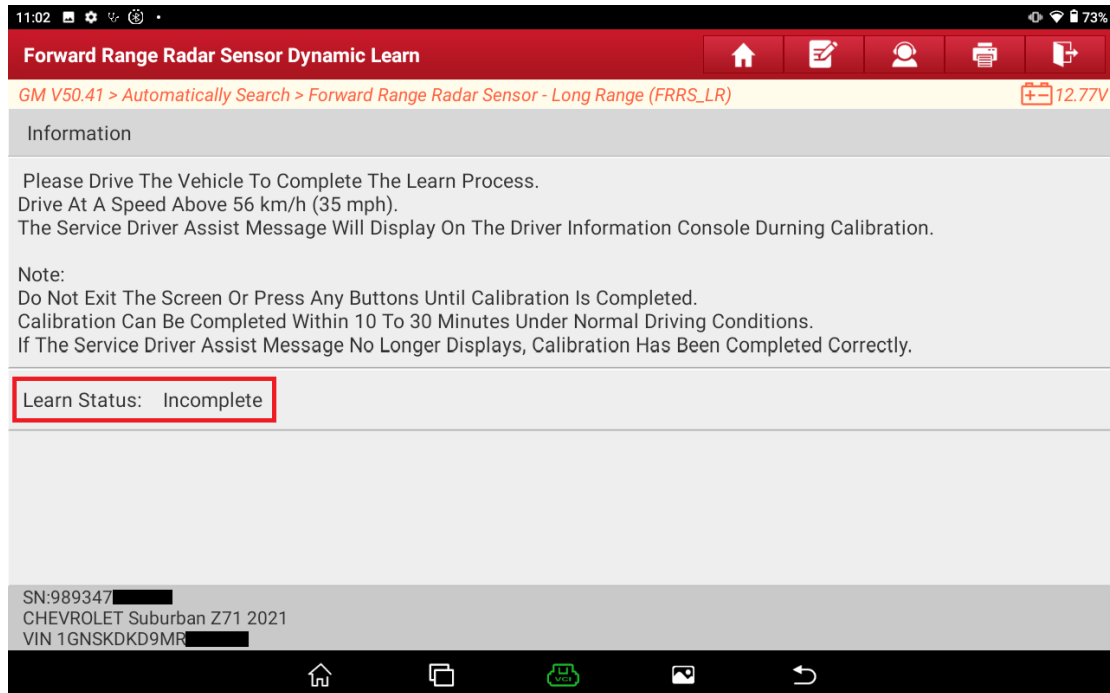




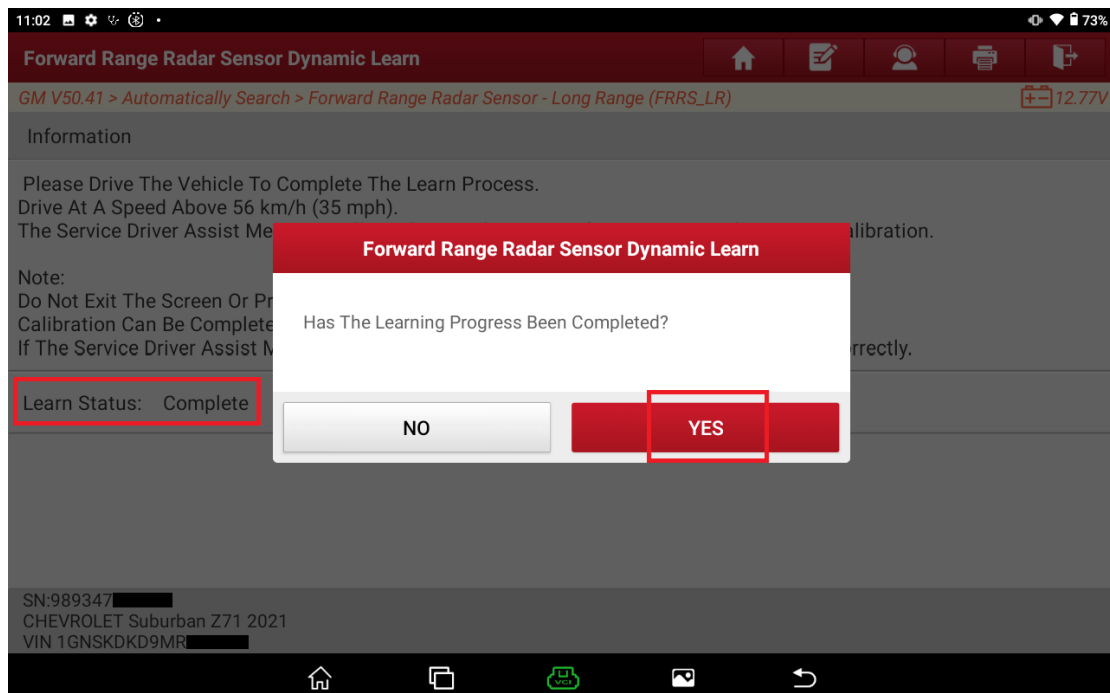
- 11. Before execution, confirm that the following conditions are met: “Calibration Will Start Now, Select OK Then Start Engine. Calibration Will Take 5 To 10 Minutes To Complete.”

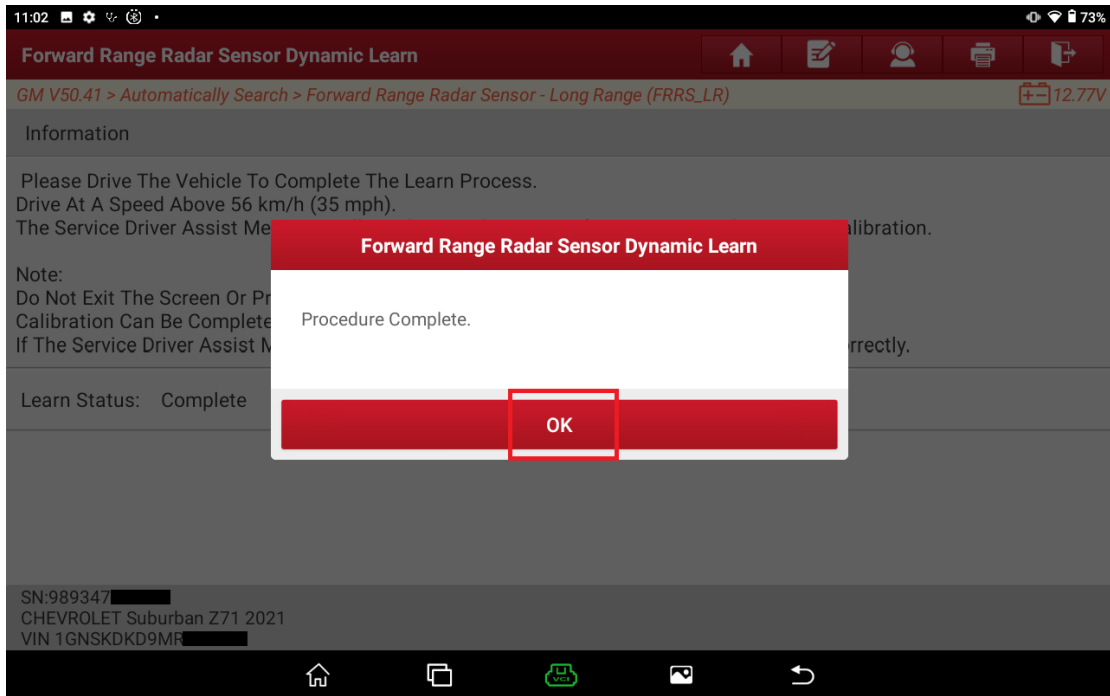


12. Before execution, confirm that the following conditions are met: “Please Drive The Vehicle To Complete The Learn Process. Drive At A Speed Above 56 km/h (35 mph). The Service Driver Assist Message Will Display On The Driver Information Console During Calibration. Note: Do Not Exit The Screen Or Press Any Buttons Until Calibration Is Completed. Calibration Can Be Completed Within 10 To 30 Minutes Under Normal Driving Conditions. If The Service Driver Assist Message No Longer Displays, Calibration Has Been Completed Correctly.”



13. Confirm completion: “Has The Learning Progress Been Completed?”





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