

Calibration of the Position Sensors, Wheel Suspension

Tested Model: VOLVO XC40 2023

Function Description:

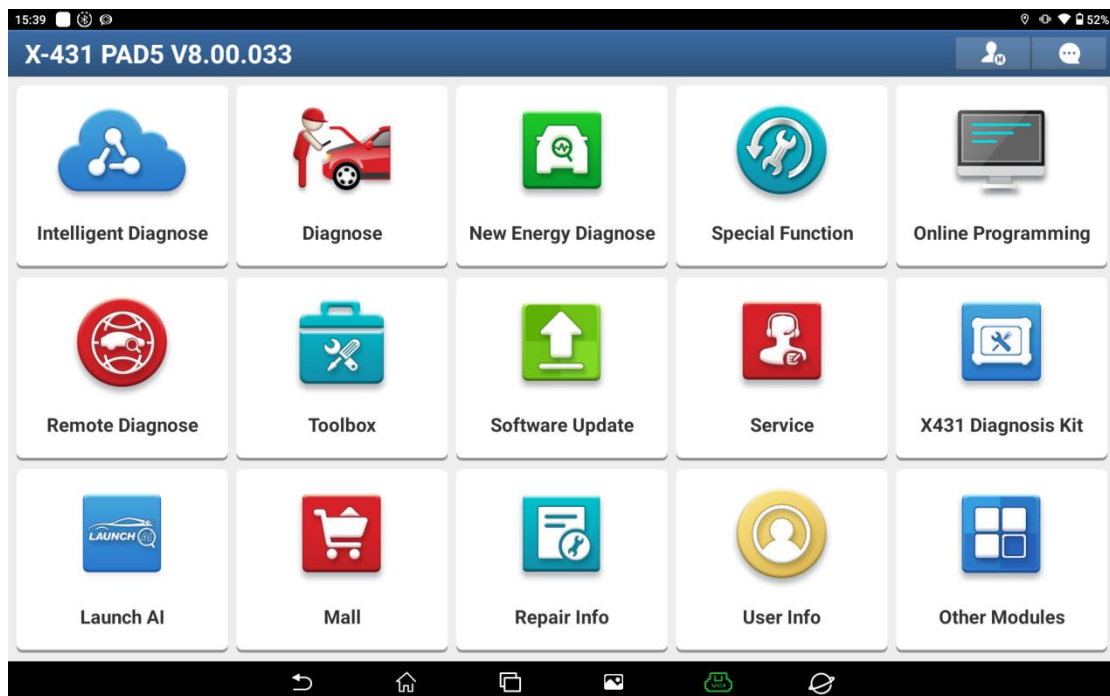
Calibration is required after repair or replacement of position sensors on the wheel suspension.

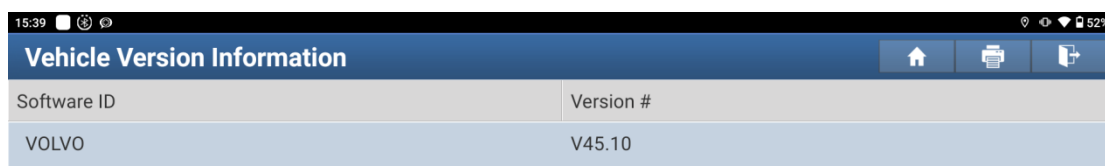
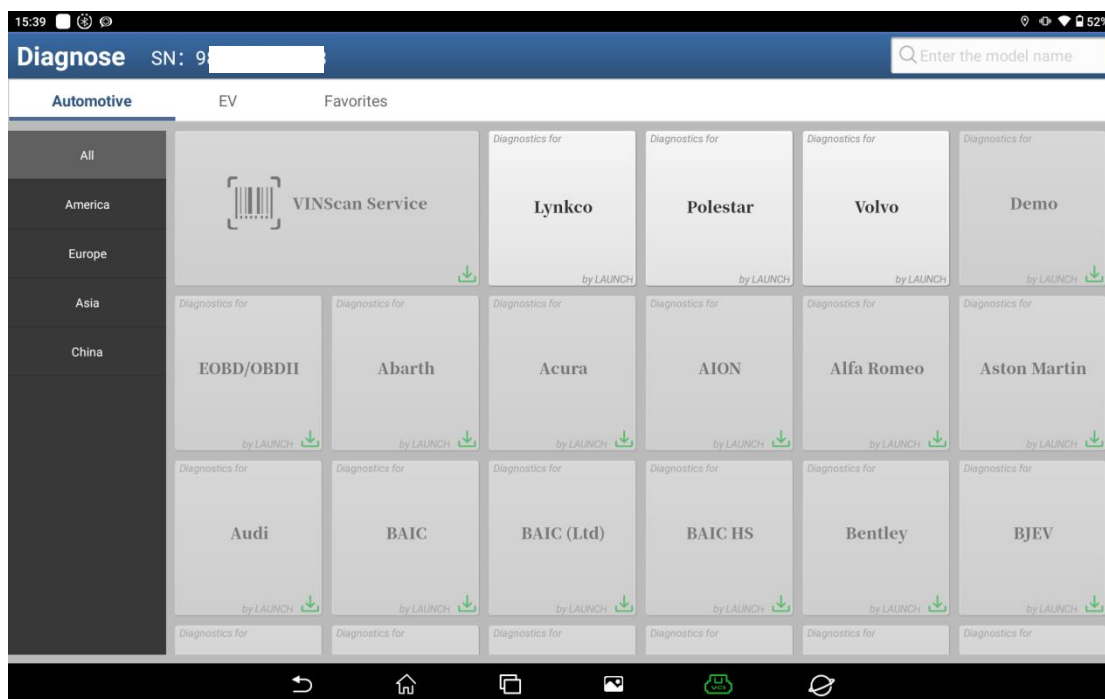
Execution Conditions:

- The vehicle shall be unloaded.
- The vehicle shall be parked on a level surface (no tilt).
- Wheels shall point straight ahead.
- All doors shall be closed.

Procedure:

1. On a PAD 5, choose [Diagnose], and then choose [Volvo] for testing.





VOLVO/LYNK&CO/POLESTAR Diagnostic Software V45.10

Software Instruction

Summary For The Covered Ecu:

Engine Control Module, Fuel System/Combined System, Transmission Control Module, Anti-lock Braking System, Supplemental Inflatable Restraint System, Burn Warm-Up Module, Central Electrical Module, Upper Electronic Module, Rear Electronic Module, Driver Information Module, Passenger Door Module, Climate Control Module, Phone Module, Information Control Module, Parking Brake Module, Headlight Control Module, Combined Instrument Panel, etc. systems.

Summary For The Covered Basic Function:

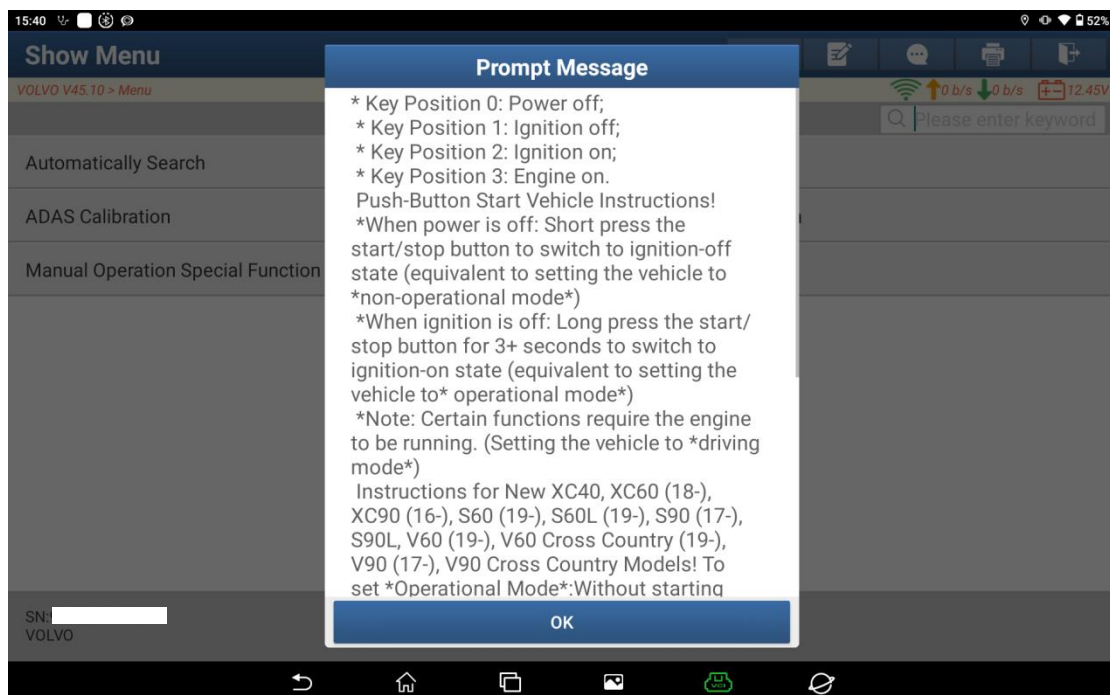
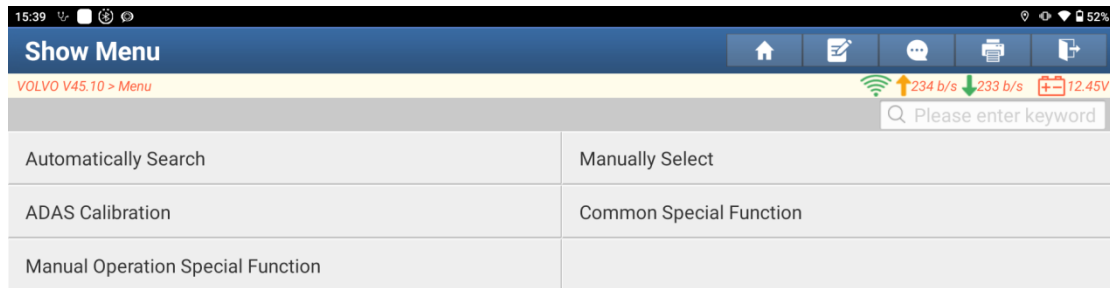
- Reading ECU Information
- Reading DTCs
- Clearing DTCs
- Reading Vehicle Running Data
- Vehicle Component Operation Test

Summary For The Covered Special Function:

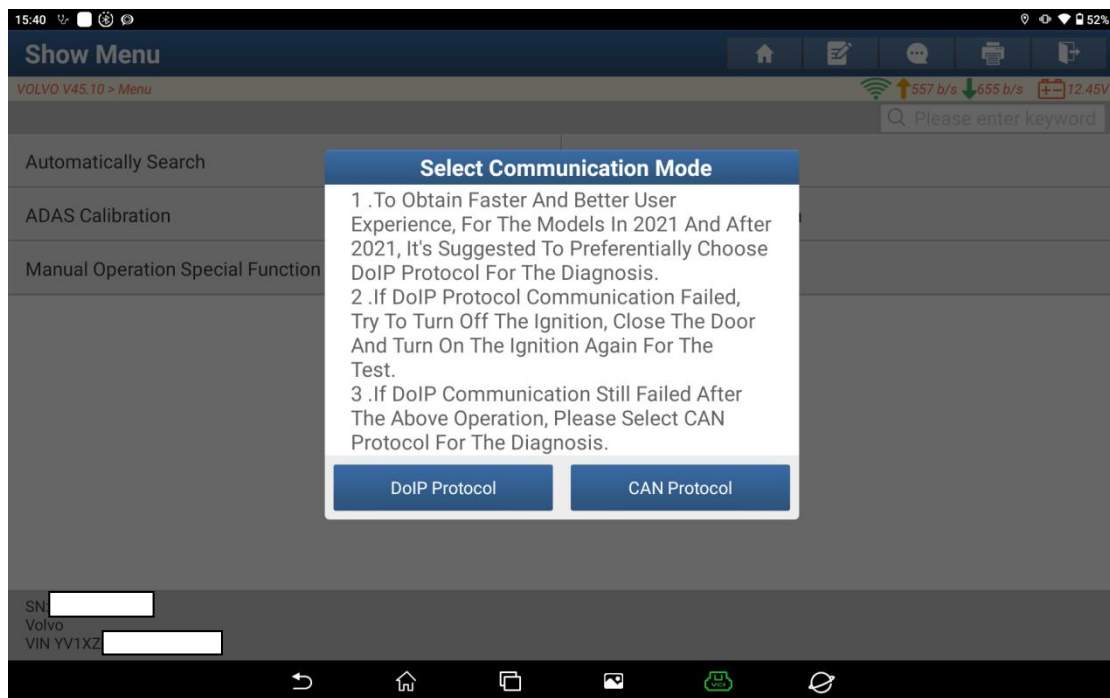
- **ECM (Gas Engine)**
 - Throttle matching
 - Reset adjusted value
- **DIESEL ENG (Diesel Engine)**
 - Reset adjusted value



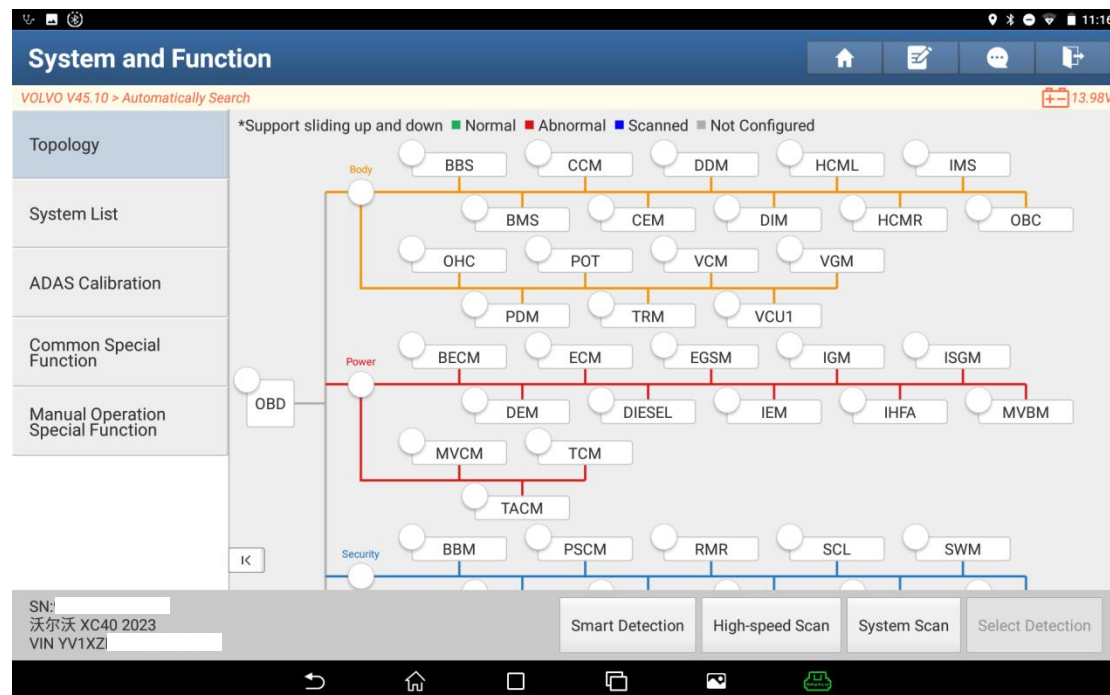
2. Choose [Automatically Search] to enter automatic identification. Then carefully read the prompts, turn on the ignition switch as instructed, and click "OK".

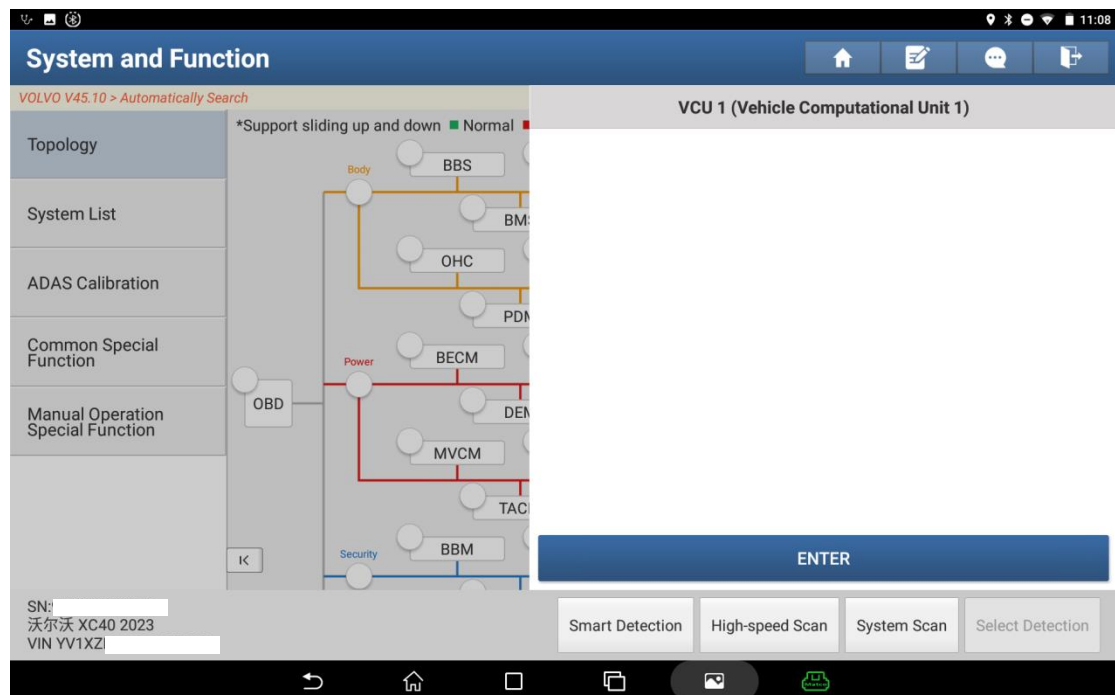


3. Choose the DOIP or CAN communication method.

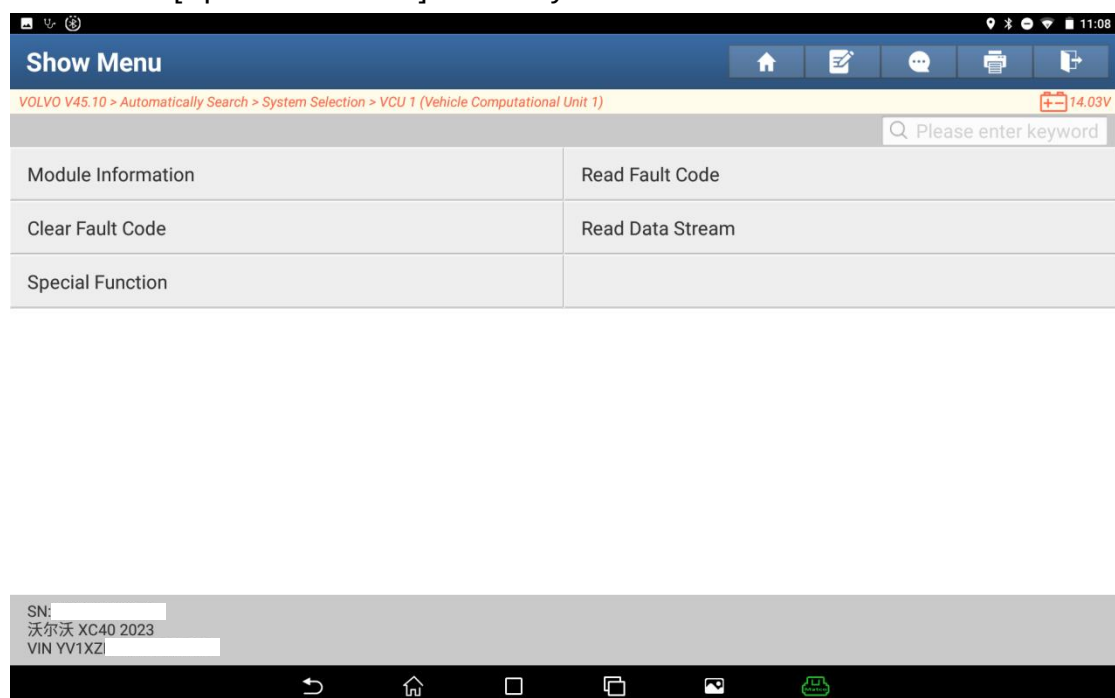


4. Choose the VCU1 system from the topology or system list and click "ENTER".

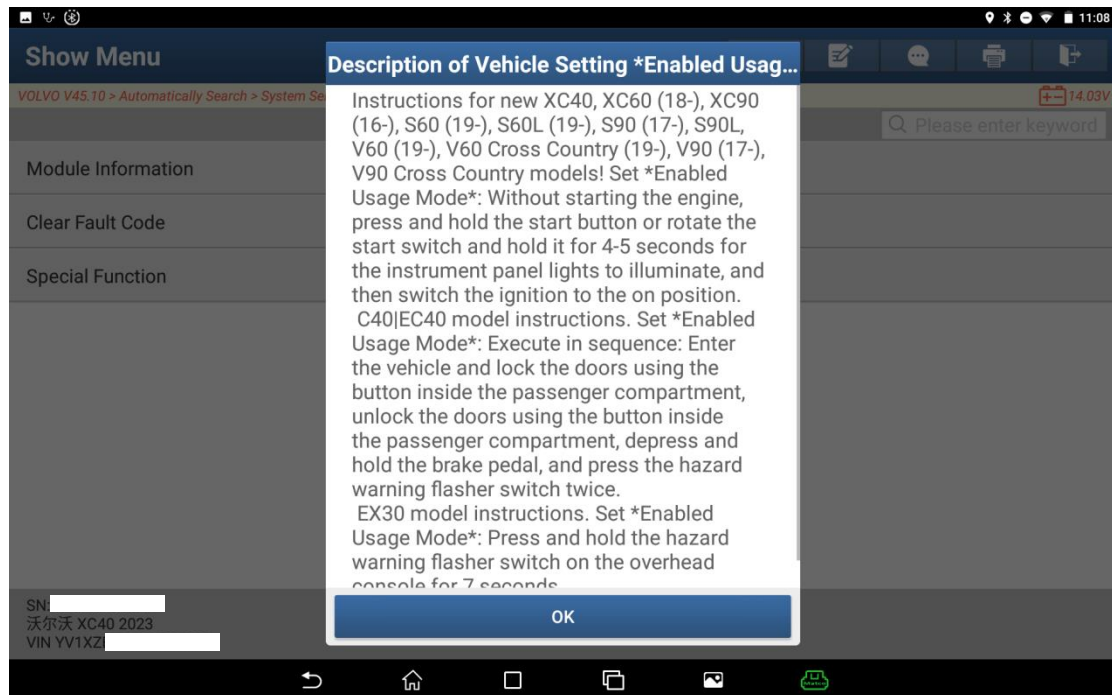




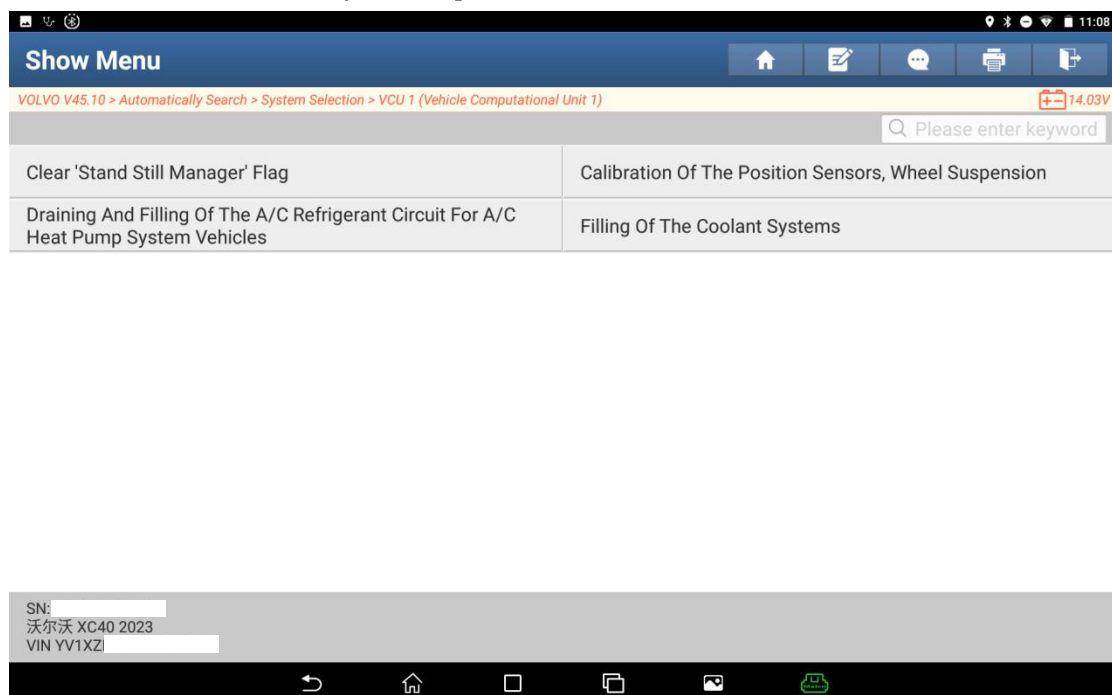
5. Choose [Special Function] on the system function interface.



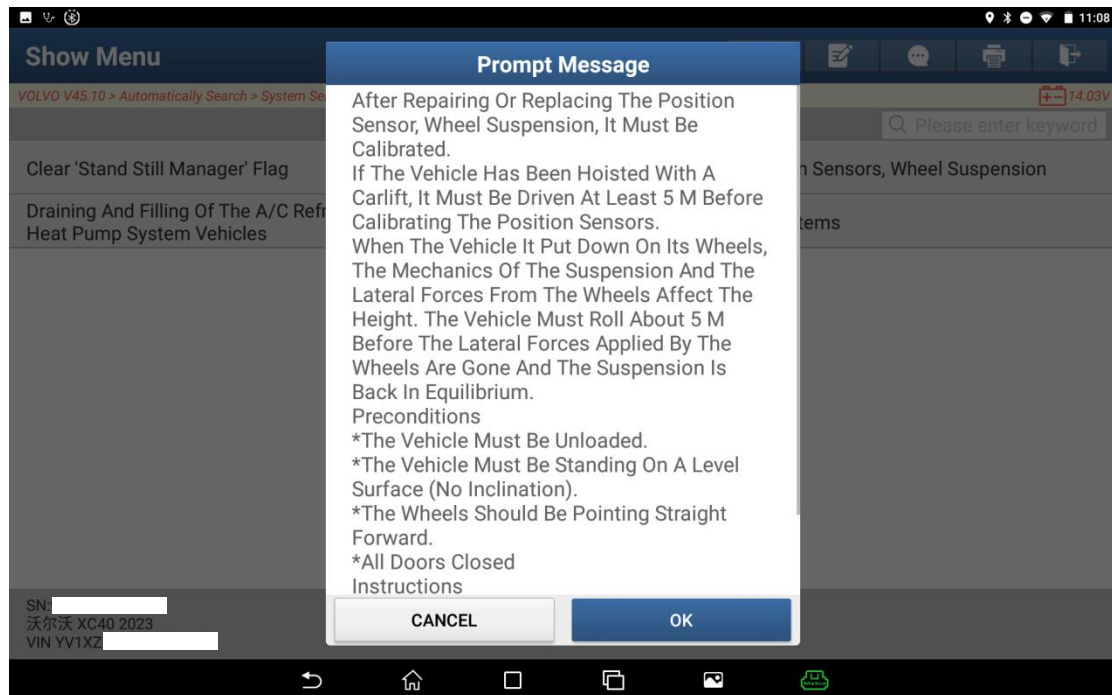
6. Carefully read the prompts, activate the vehicle usage mode as instructed, and click "OK".



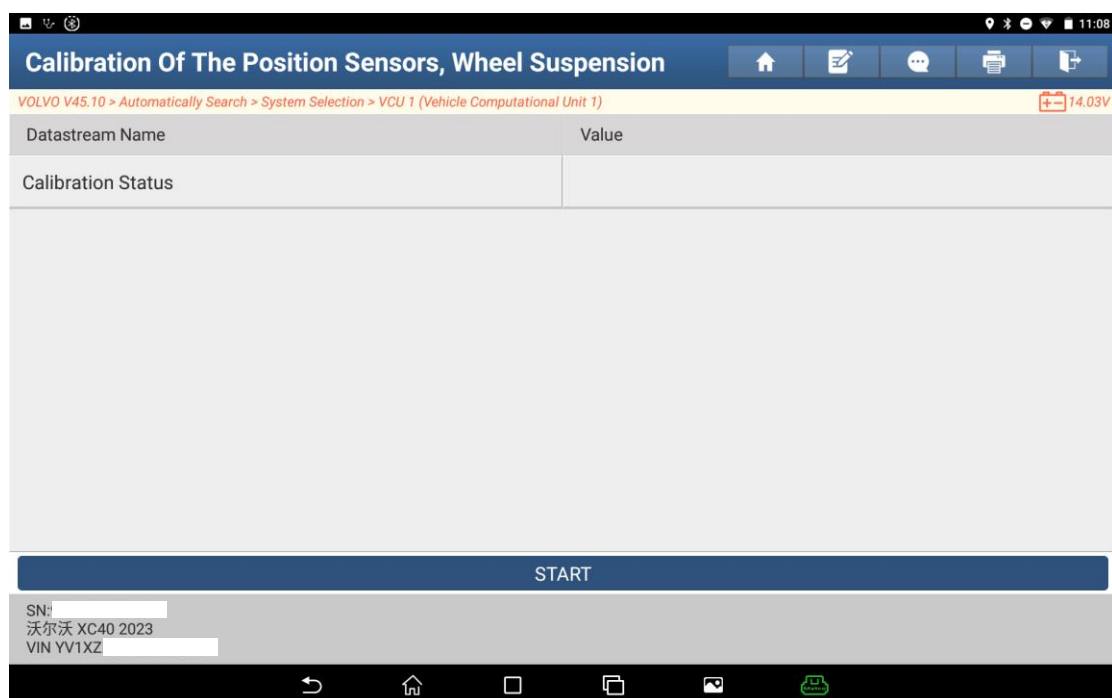
7. On the special function list interface, choose [Calibration Of The Position Sensors, Wheel Suspension].



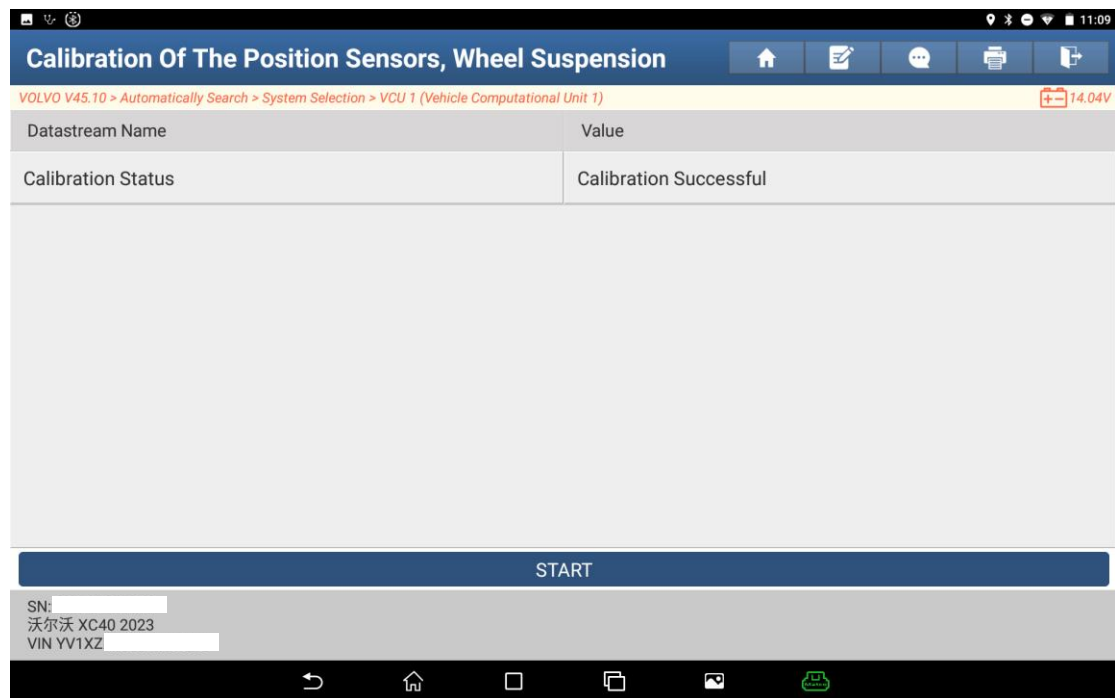
8. Carefully read the prompts, confirm that the conditions are met, and then click "OK" to enter the function.



9. Choose "START" to execute the function.



10. View the function execution result.

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