Honda Steering Angle Learning

Applicable Models: Honda, Guangzhou Honda, Dongfeng Honda, Acura

Tested Model: HONDA CR-V HYBRID 2023

Function Execution Background:

This function is used for Honda models in the following situations:
After replacing the VSA control unit or sensor group, perform the neutral point memory steps of all sensors.
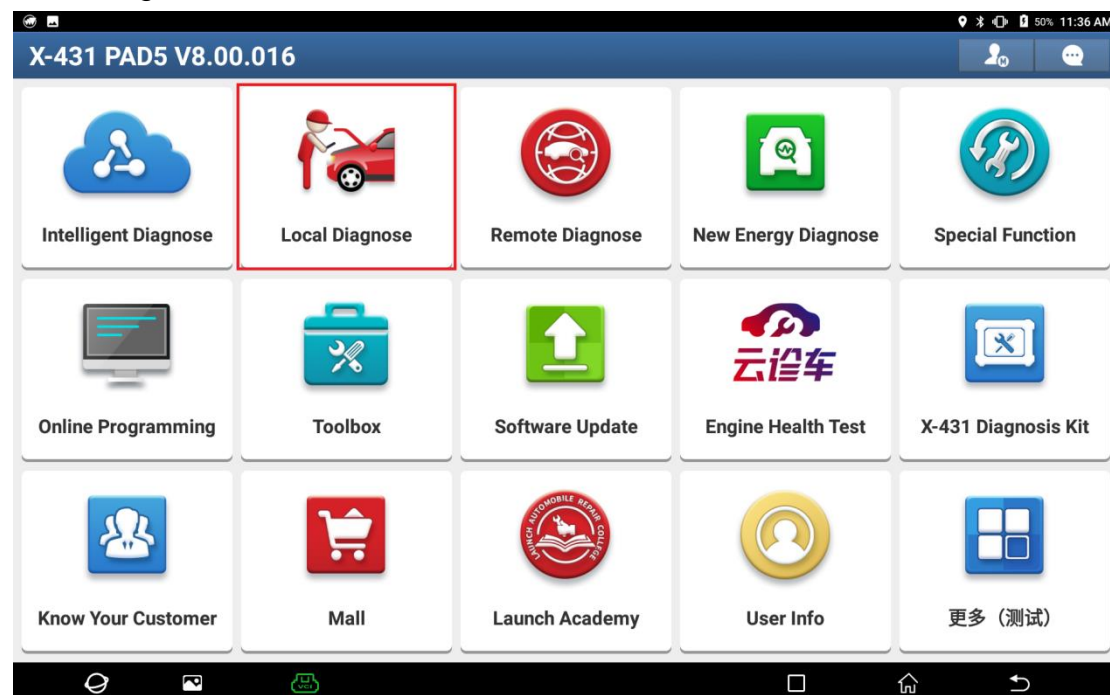1. Steering angle sensor
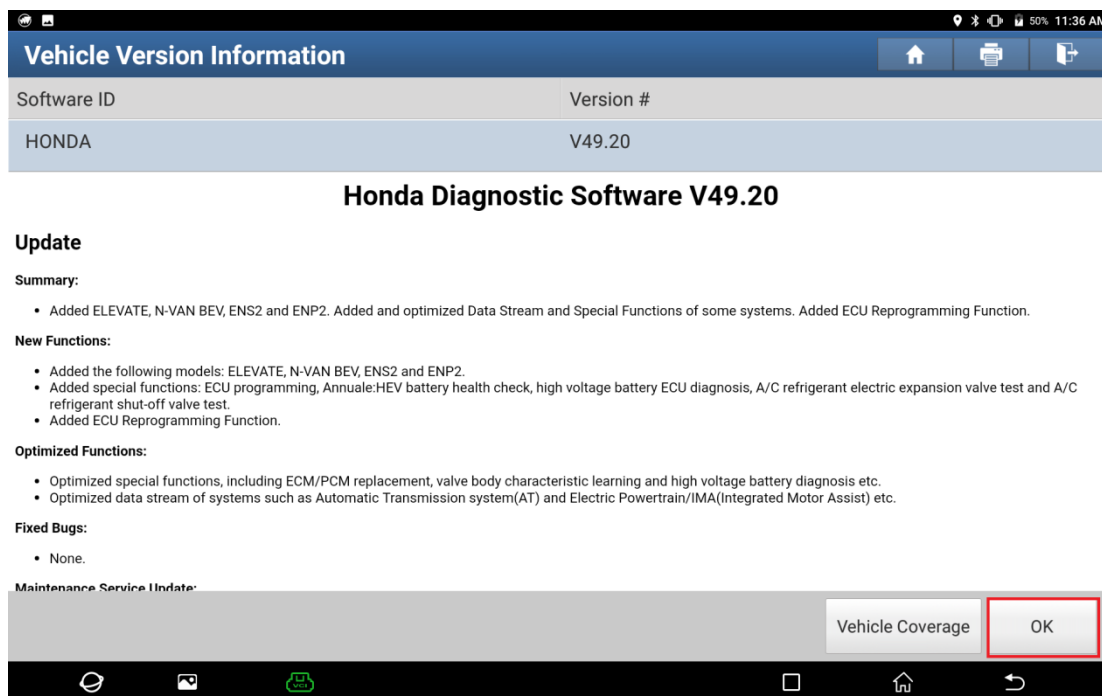2. Brake pressure sensor
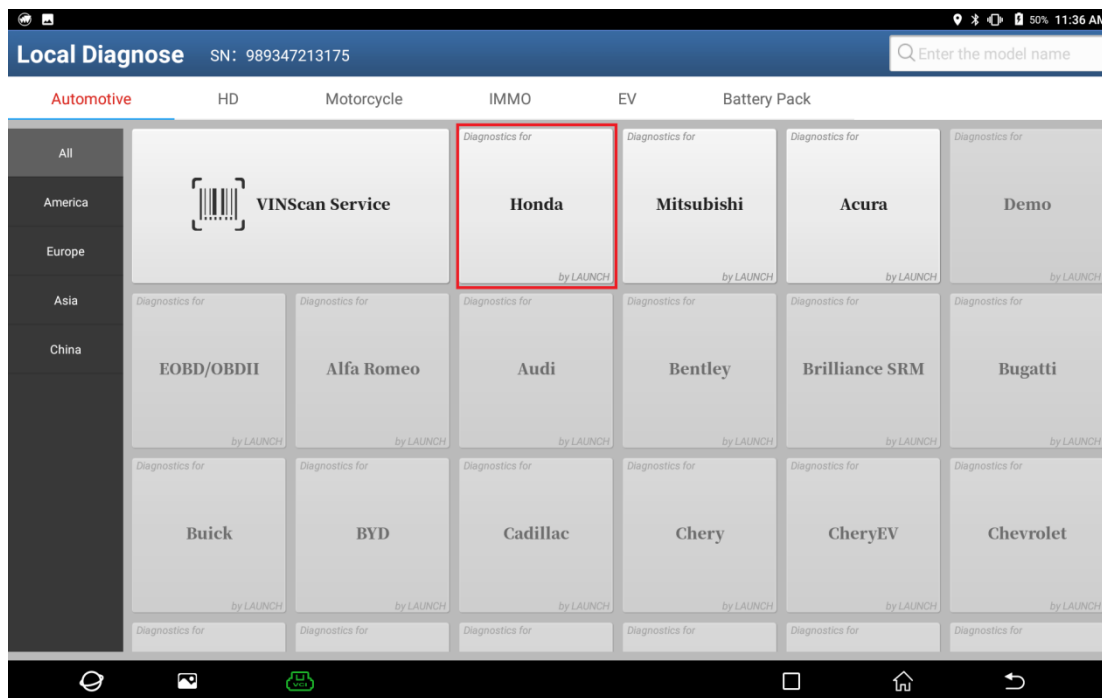3. Lateral acceleration sensor

Attention:

- Connector connected and ignition switch ON
- In N or P gear
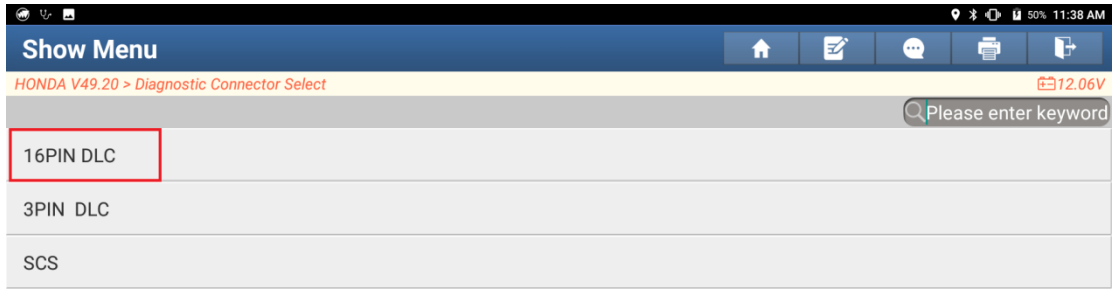- Parking brake applied
- Engine started

Procedure:

1. On a PAD V, choose [Local Diagnose], and then choose [Honda] for testing.
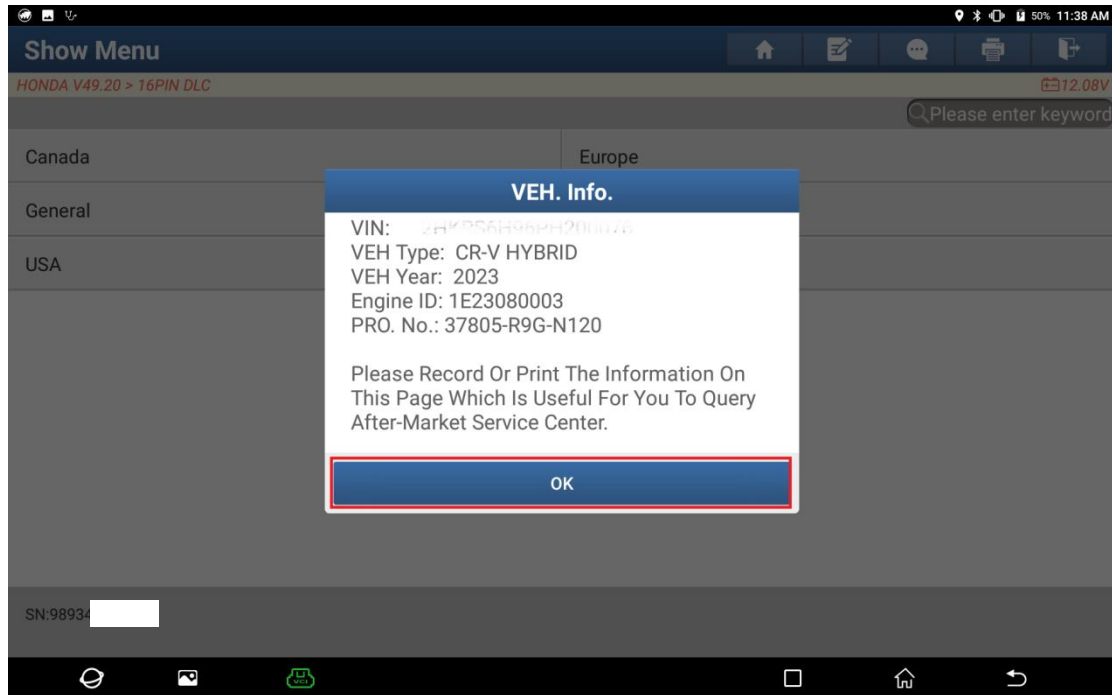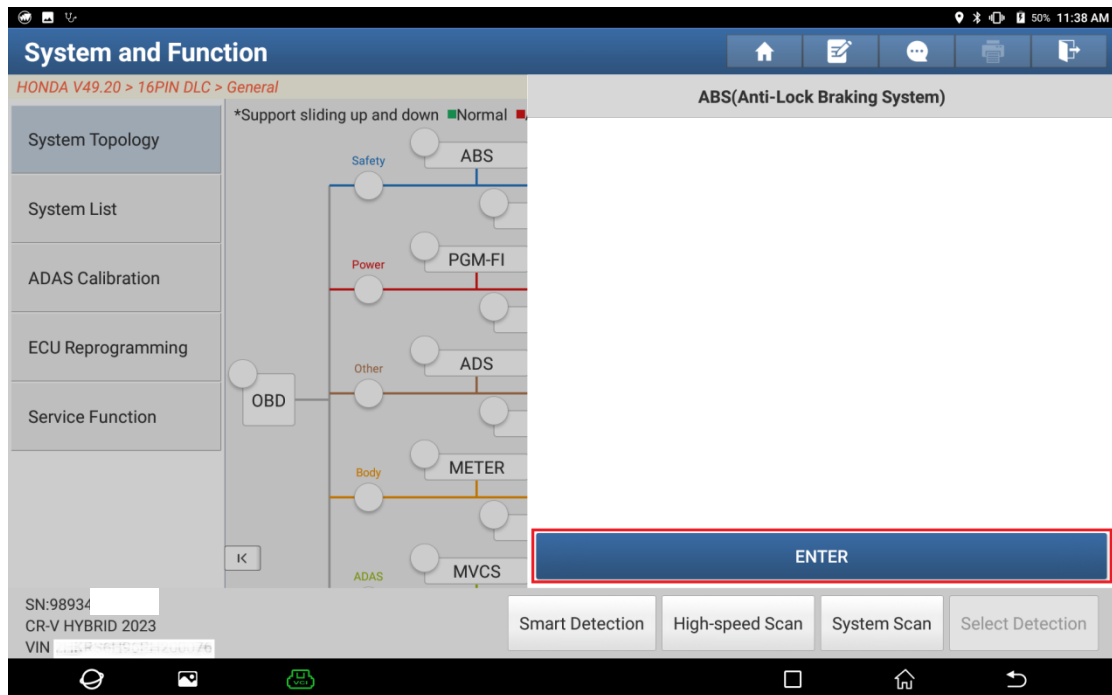
Local Diagnose   SN: 989347213175

Enter the model name

| Automotive | HD | Motorcycle | IMMO | EV | Battery Pack |

All

America

Europe

Asia

China

| VINScan Service | Diagnostics for **Honda** by LAUNCH | Diagnostics for **Mitsubishi** by LAUNCH | Diagnostics for **Acura** by LAUNCH | Diagnostics for **Demo** by LAUNCH |

| Diagnostics for **EOBD/OBDII** by LAUNCH | Diagnostics for **Alfa Romeo** by LAUNCH | Diagnostics for **Audi** by LAUNCH | Diagnostics for **Bentley** by LAUNCH | Diagnostics for **Brilliance SRM** by LAUNCH | Diagnostics for **Bugatti** by LAUNCH |

| Diagnostics for **Buick** by LAUNCH | Diagnostics for **BYD** by LAUNCH | Diagnostics for **Cadillac** by LAUNCH | Diagnostics for **Chery** by LAUNCH | Diagnostics for **CheryEV** by LAUNCH | Diagnostics for **Chevrolet** by LAUNCH |

Diagnostics for | Diagnostics for | Diagnostics for | Diagnostics for | Diagnostics for | Diagnostics for

---

Vehicle Version Information

Software ID	Version #
HONDA	V49.20

Honda Diagnostic Software V49.20

Update

Summary:

- Added ELEVATE, N-VAN BEV, ENS2 and ENP2. Added and optimized Data Stream and Special Functions of some systems. Added ECU Reprogramming Function.

New Functions:

- Added the following models: ELEVATE, N-VAN BEV, ENS2 and ENP2.
- Added special functions: ECU programming, Annuale:HEV battery health check, high voltage battery ECU diagnosis, A/C refrigerant electric expansion valve test and A/C refrigerant shut-off valve test.
- Added ECU Reprogramming Function.

Optimized Functions:

- Optimized special functions, including ECM/PCM replacement, valve body characteristic learning and high voltage battery diagnosis etc.
- Optimized data stream of systems such as Automatic Transmission system(AT) and Electric Powertrain/IMA(Integrated Motor Assist) etc.

Fixed Bugs:

- None.

Maintenance Service Update:

Vehicle Coverage   OK

2. Click [16PIN DLC], and then choose the region to automatically identify the car model. For this test, choose the [General] region.

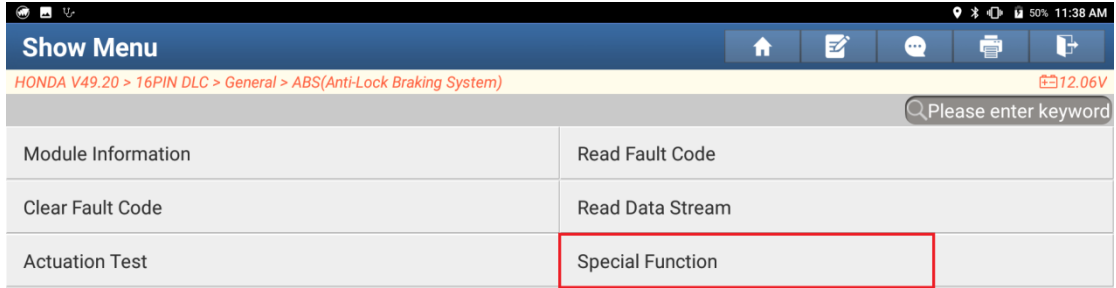**Show Menu**

HONDA V49.20 > Diagnostic Connector Select   12.06V

Please enter keyword

| 16PIN DLC |
| 3PIN DLC |
| SCS |

SN:9893473

Show Menu

HONDA V49.20 > 16PIN DLC   12.06V

Please enter keyword

Canada	Europe
General	Japan
USA	

SN:98934

3. Confirm the vehicle information, and then click OK.

4. Click [ABS (Anti-Lock Braking System)] to access the system.

## 5. Choose [Special Function].

6. Choose [All Sensors].

7. The test conditions required to execute this function will be prompted. Follow the prompts to meet the relevant conditions, otherwise the execution will fail. If all conditions are met, click OK.
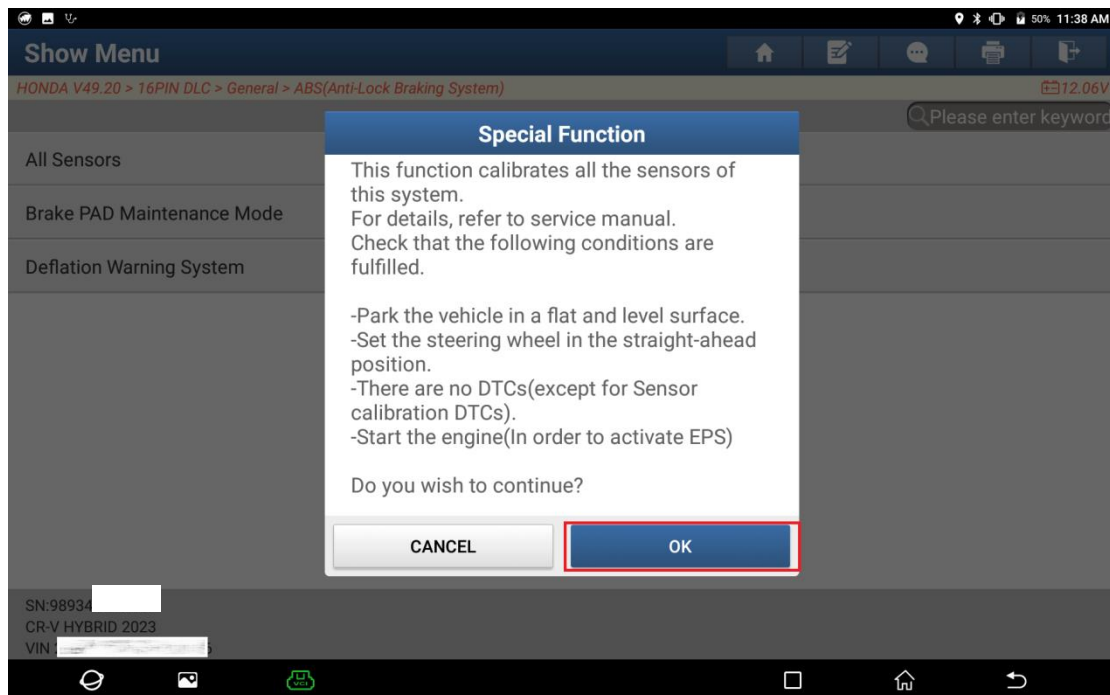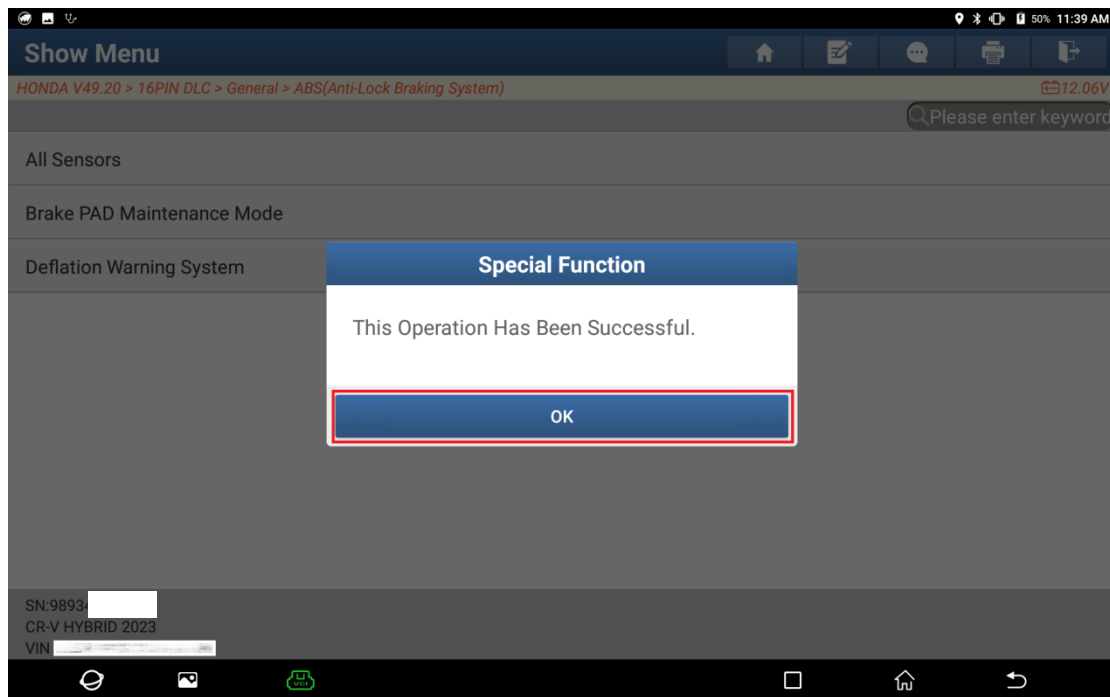

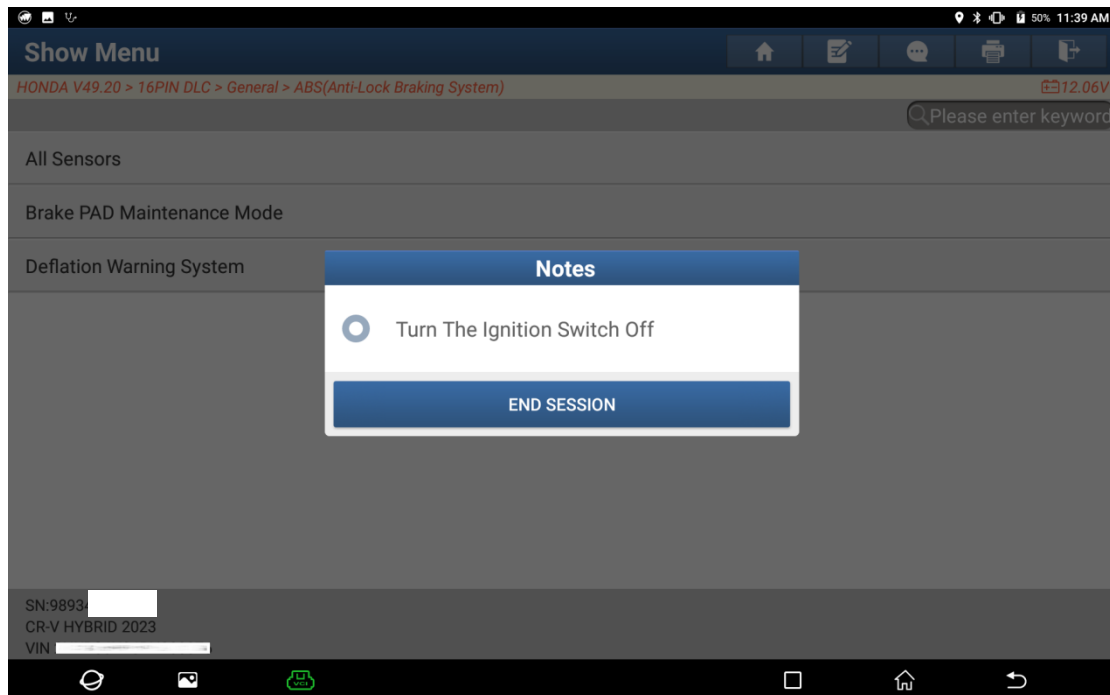8. Sensor calibration is in progress. Please wait.
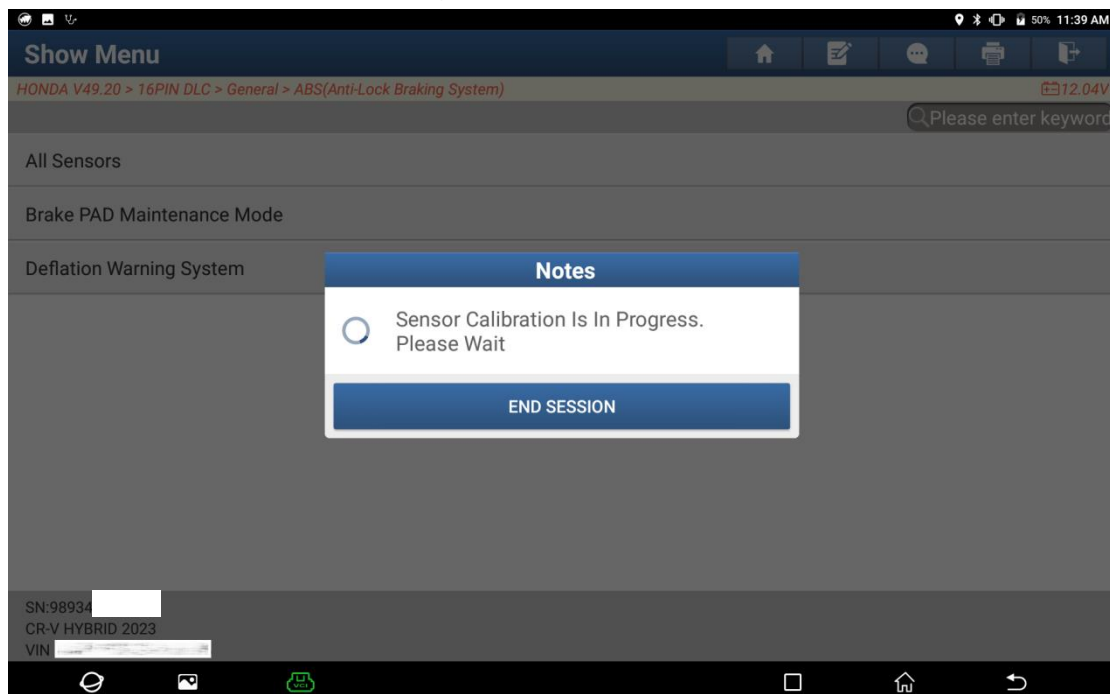
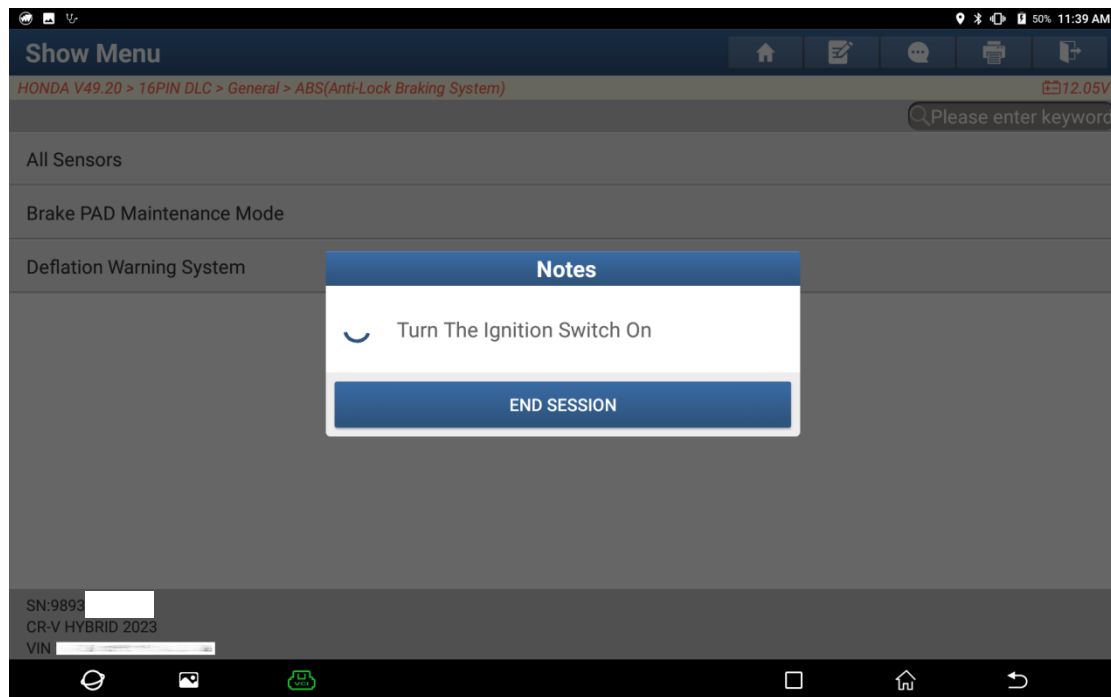9. Follow the prompts to perform the steering operation, and click OK after completion.
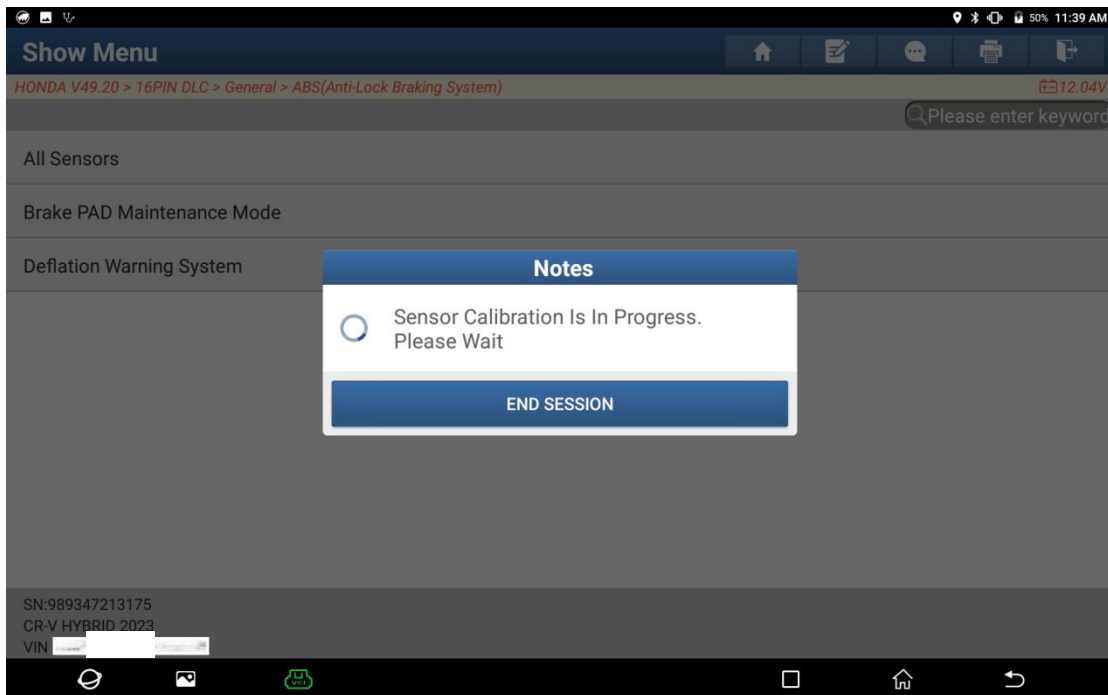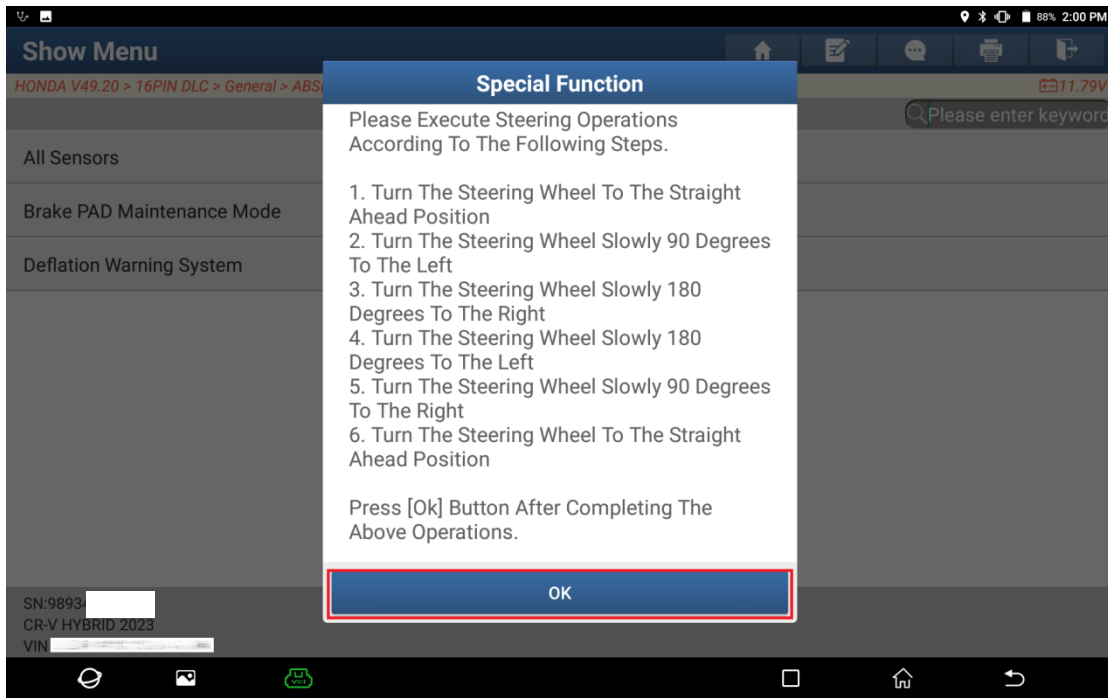
10. Sensor calibration is completed. Click OK.

11. Follow the prompt to turn off the ignition switch.

12. Follow the prompt to turn on the ignition switch.

Statement:

The content of this document is copyrighted by Shenzhen Launch Tech Co., Ltd., and no individual or organization may quote or reprint it without consent.