

## Steering Angle Sensor (SAS) Calibration

**Tested Model:** HYUNDAI Tucson (NX4e) 2024

### Function Description:

1. This function is used to calibrate steering angle values inputted in the EPS ECU and in an actual vehicle respectively by making the values the same.
2. Perform this function when replacing the sensor or performing steering column calibration.

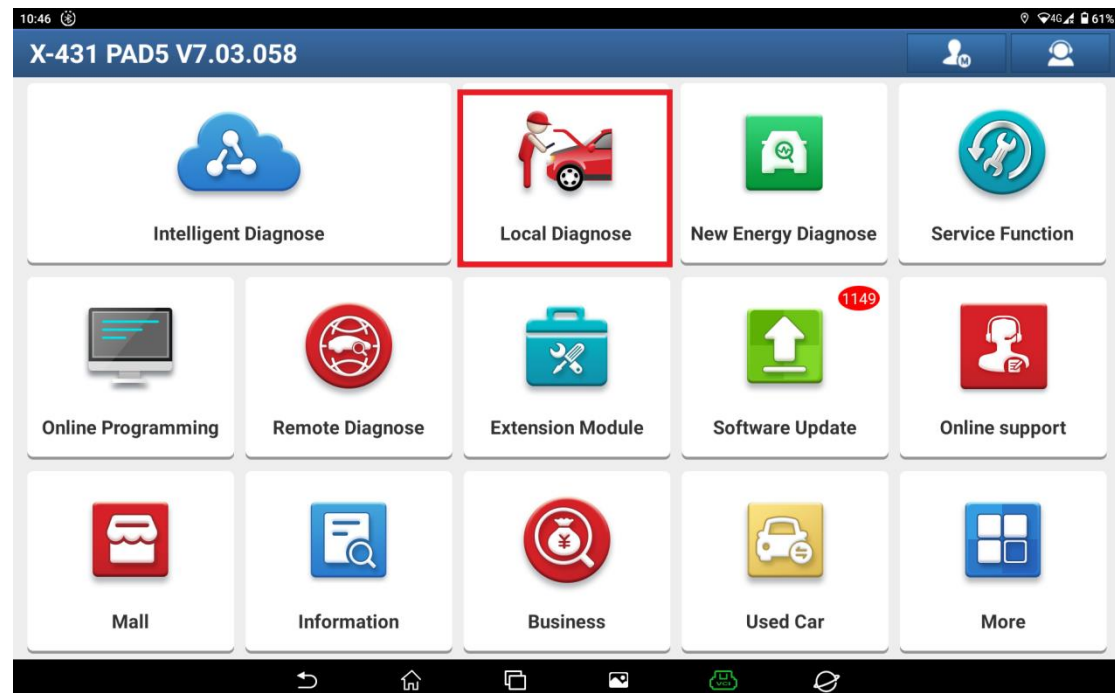
### Attention:

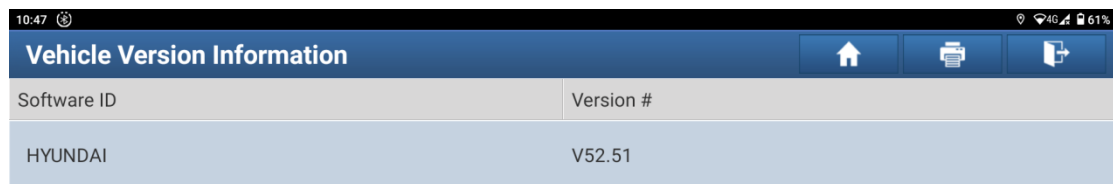
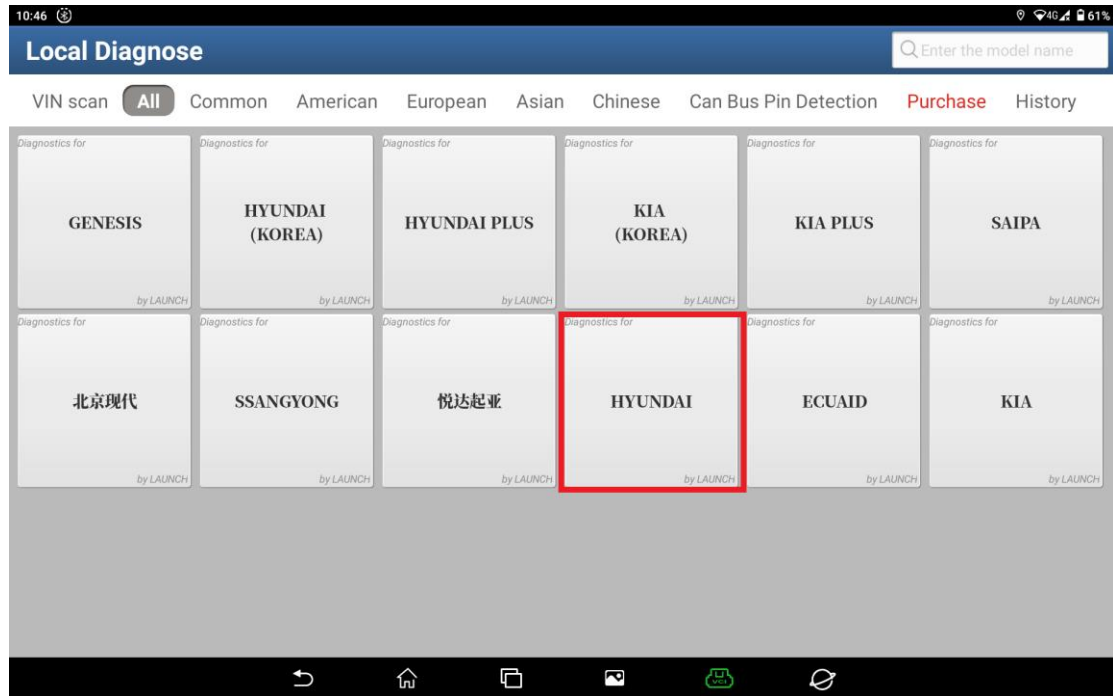
1. Engine status: Ignition ON, engine OFF
2. Brake status: ON (applied)
3. Shift lever: In P gear
4. Steering wheel: Centered (straight-ahead position)

This function must be performed under the C-MDPS system for this vehicle model.

### Procedure:

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





### HYUNDAI diagnostic software V52.51

This version has the below updates:

**Summary:**

- Optimized software structure.

**New Functions:**

- none

**Optimized Functions:**

- Optimized software structure.

**Fixed Bugs:**

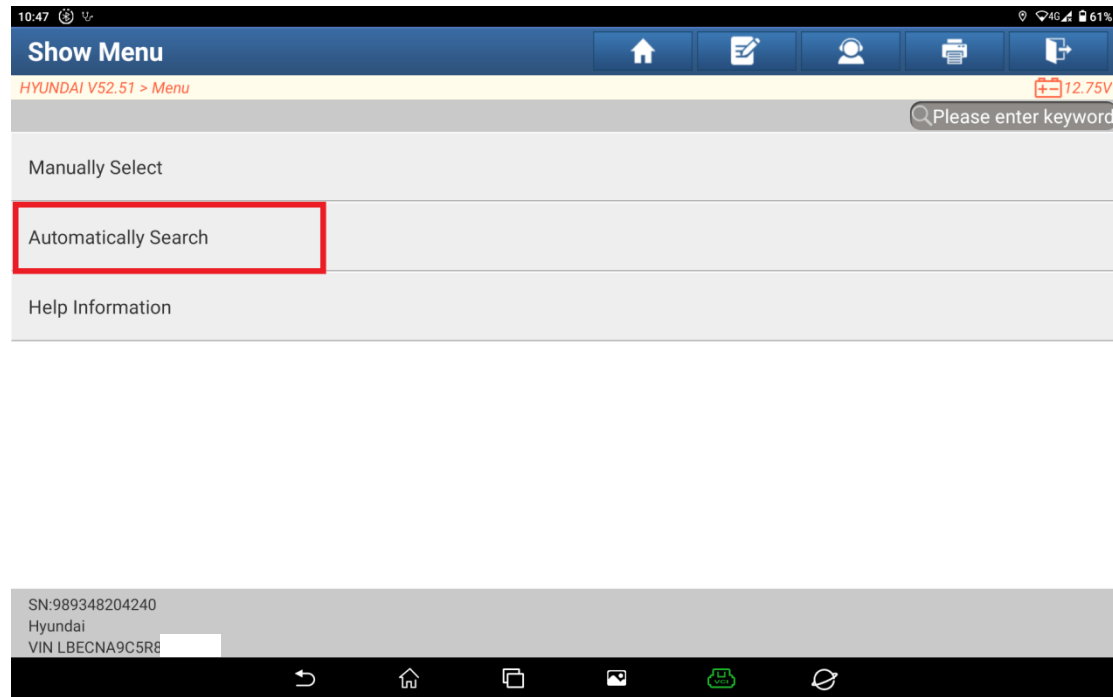
- none

**Updates for Service Function:**

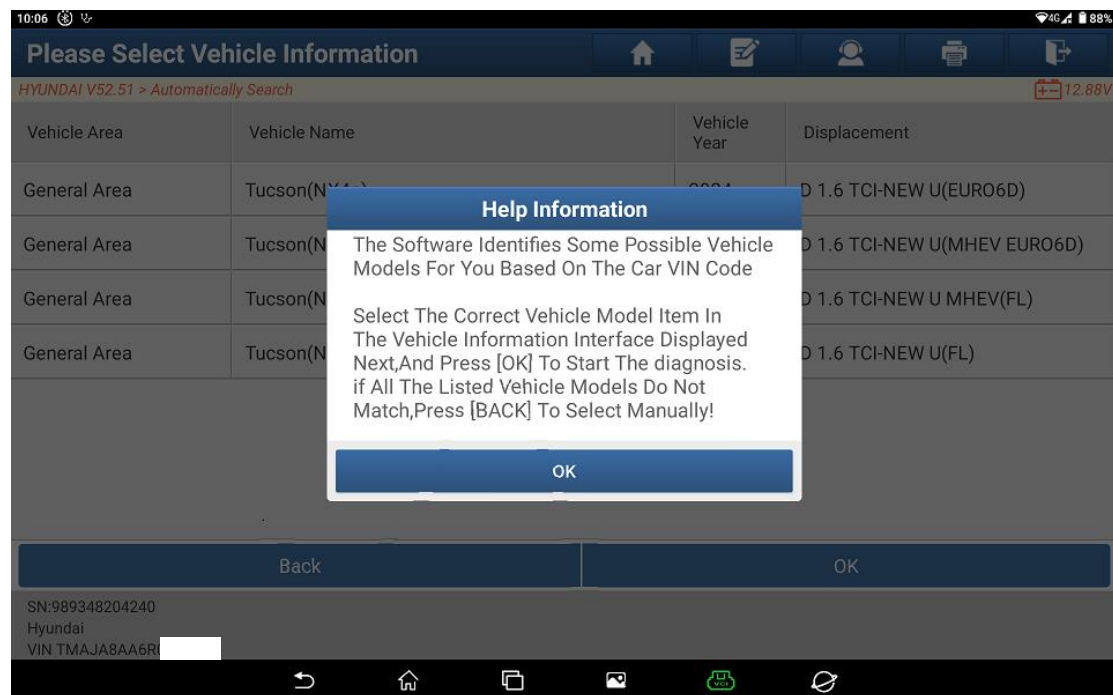
- none

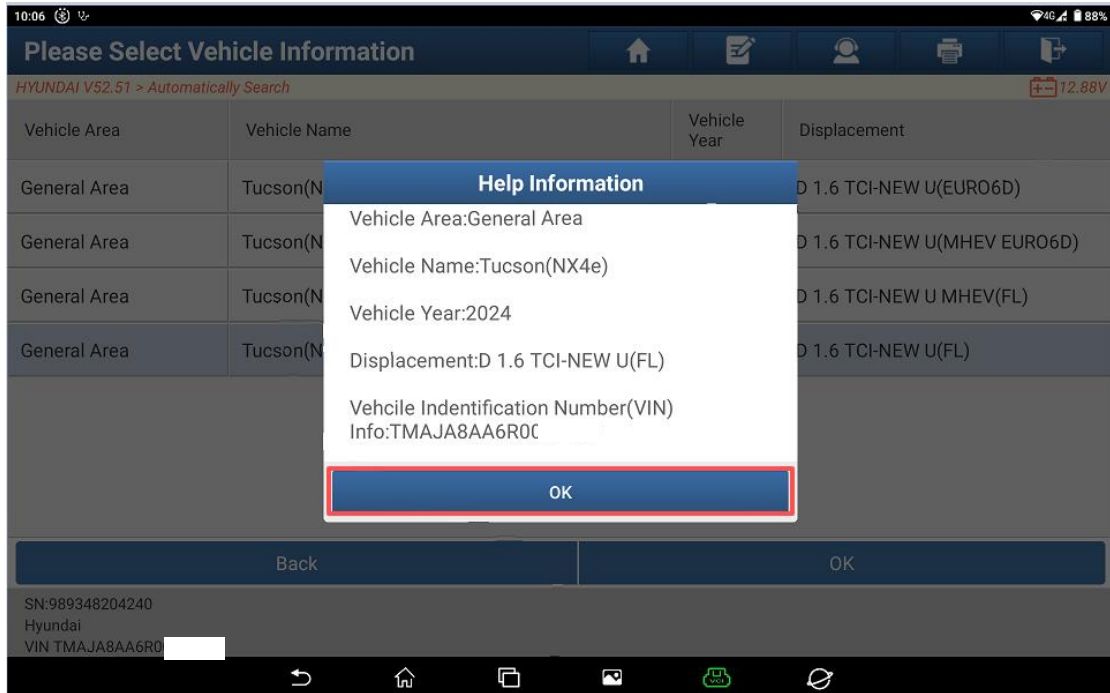


2. Click [Automatically Search] to identify the vehicle model.

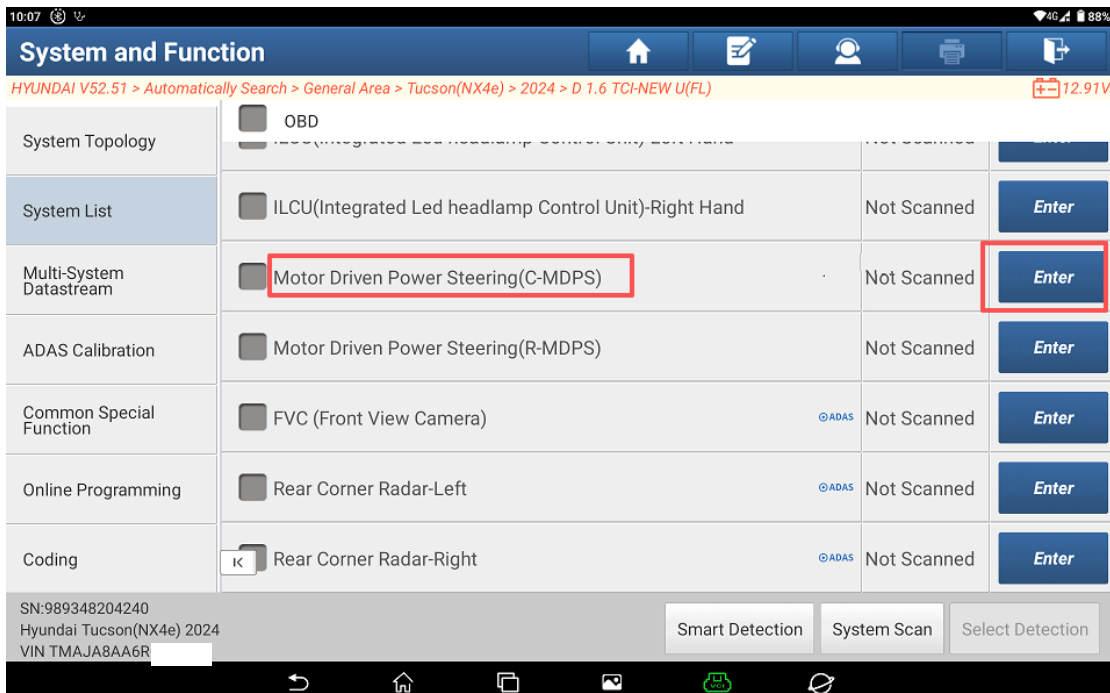


3. Confirm the vehicle information, and then click [OK].

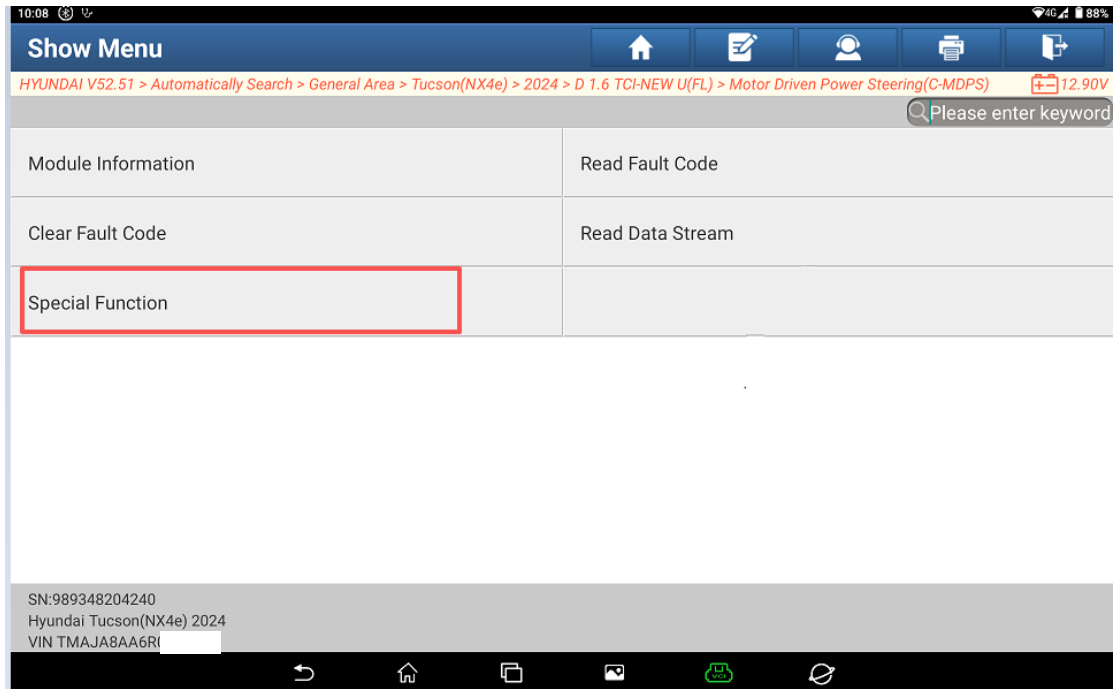




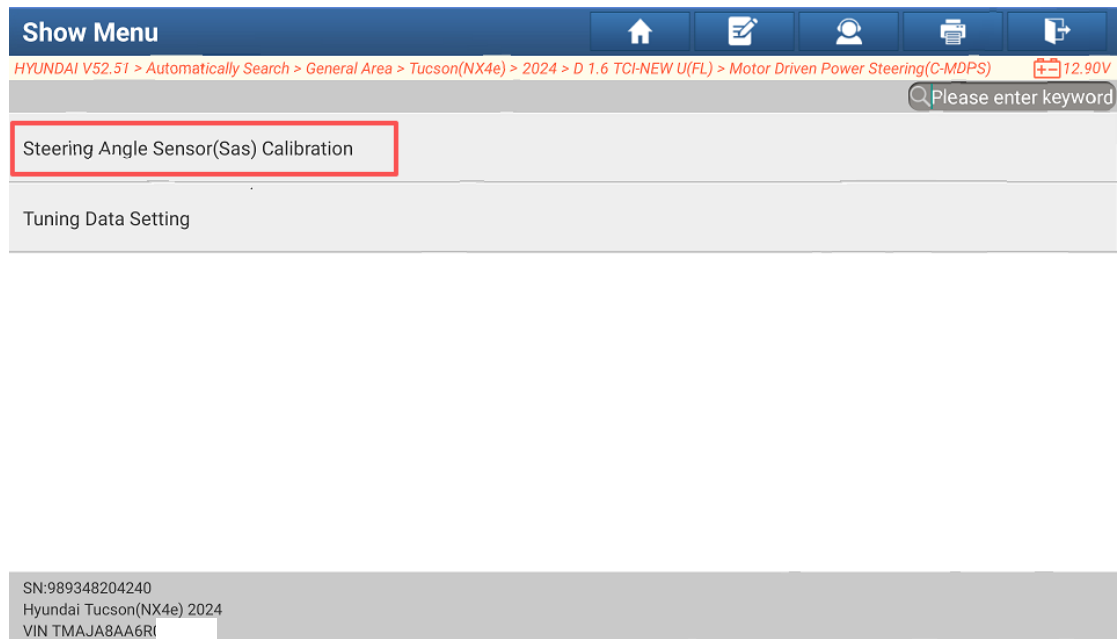
4. Click [Motor Driven Power Steering (C-MDPS)] to enter the system.



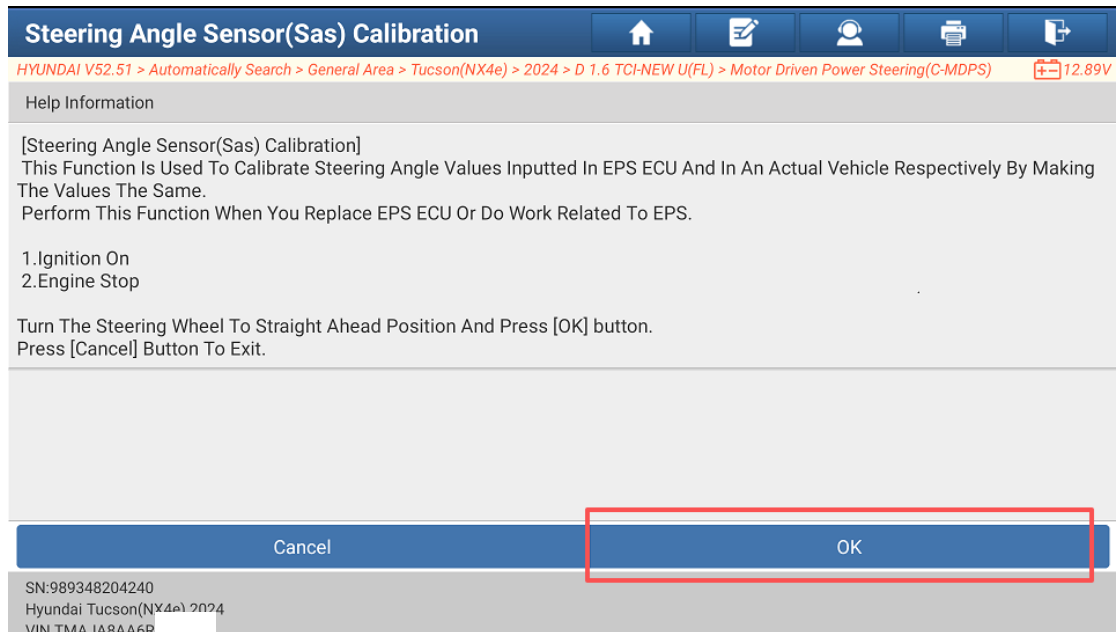
5. Choose [Special Function].



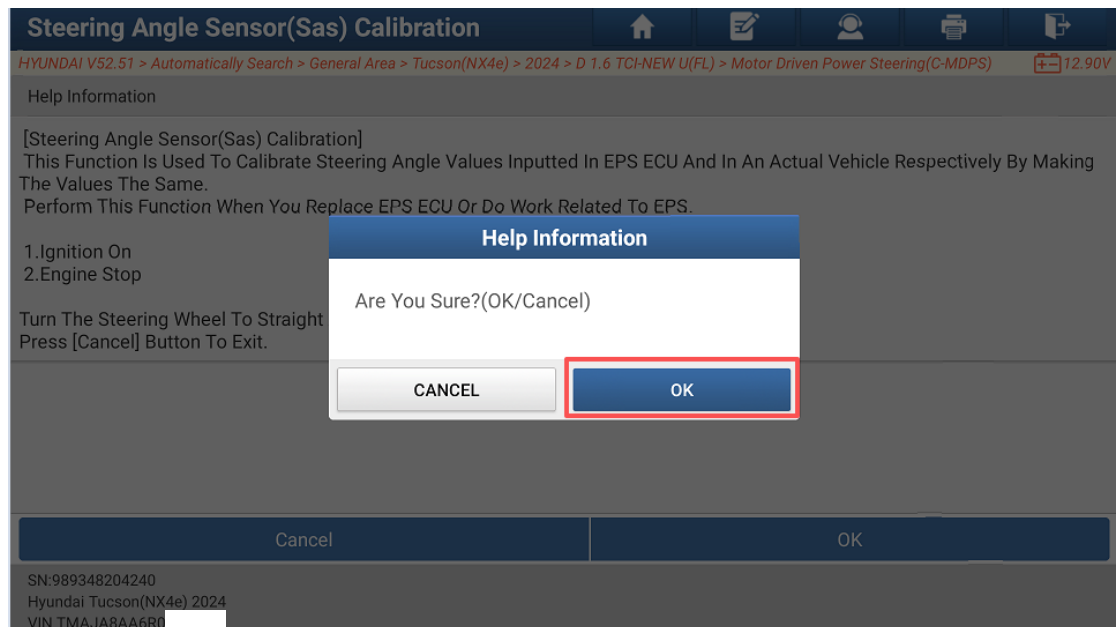
6. Choose [Steering Angle Sensor (SAS) Calibration].



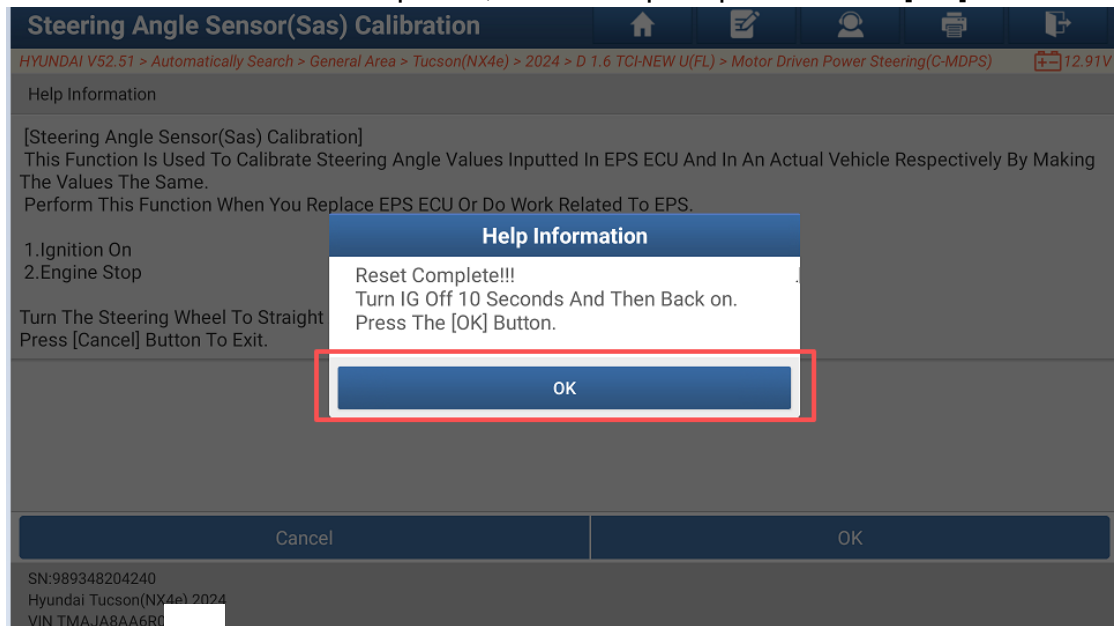
- Follow the on-screen text prompts. Turn the ignition switch ON with the engine OFF, and center the steering wheel. Once the conditions are met, click [OK].



- Confirm that the conditions are met. Click [OK].



9. After the function is completed, follow the prompts and click [OK].



## Statement:

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