

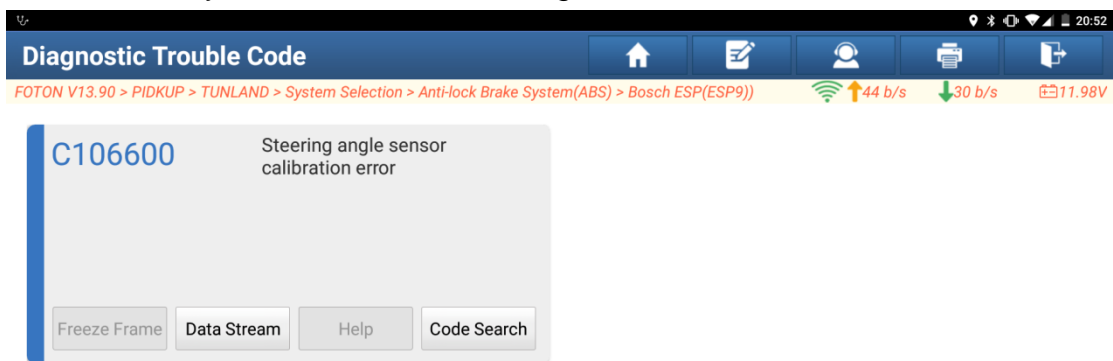
Operation Instruction for Steering Angle Sensor

Calibration of Beiqi Foton Pickup Tunland

[Function Description]

The SAS (Steering Angle Sensor) calibration function needs to be performed when one of the following situations occurs:

1. The DTC “C106600: Steering angle sensor calibration error” appears in the ABS or ESP system, as shown in the figure below.



2. The SAS (Steering Angle Sensor) is replaced.

This function is applicable to Beiqi Foton Pickup Tunland. The following is an operation description of the steering angle calibration function using Tunland as an example.

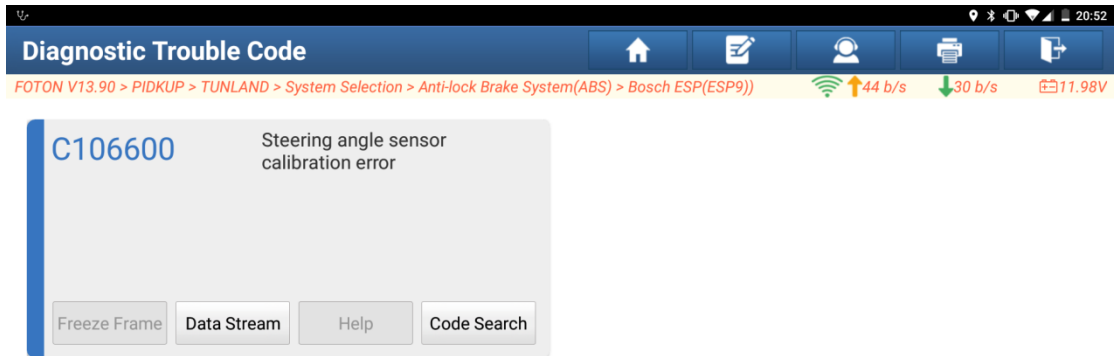
[Attention]

1. The ignition switch is ON.
2. The vehicle must be parked on a level surface.
3. The vehicle is in a straight-ahead status, and the tires and steering wheel are straightened at the same time. (An experienced technician is required to determine, and if you are not sure, you can use four-wheel aligner).
4. After the calibration is successful, enter the ABS/ESP system to clear DTCs.
5. After the SAS (Steering Angle Sensor) calibration is completed, a test

drive must be carried out by passing a 90° curve (left or right turn) at speeds of 10km/h, 20km/h, 30km/h, and 40km/h respectively, or changing lanes on an open road in a serpentine manner.

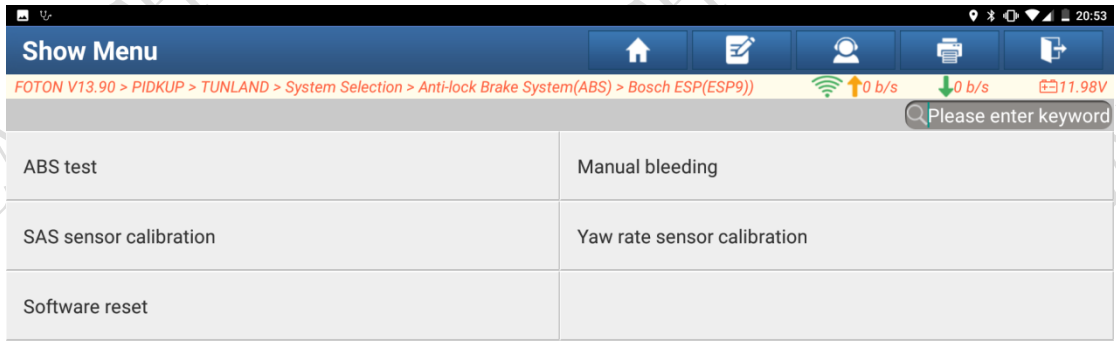
[Procedure]

1. Choose FOTON > PICKUP > TUNLAND > System Selection > Anti-lock Brake System (ABS) > Bosch ESP (ESP9) > Read DTCs. The following DTC is read out:

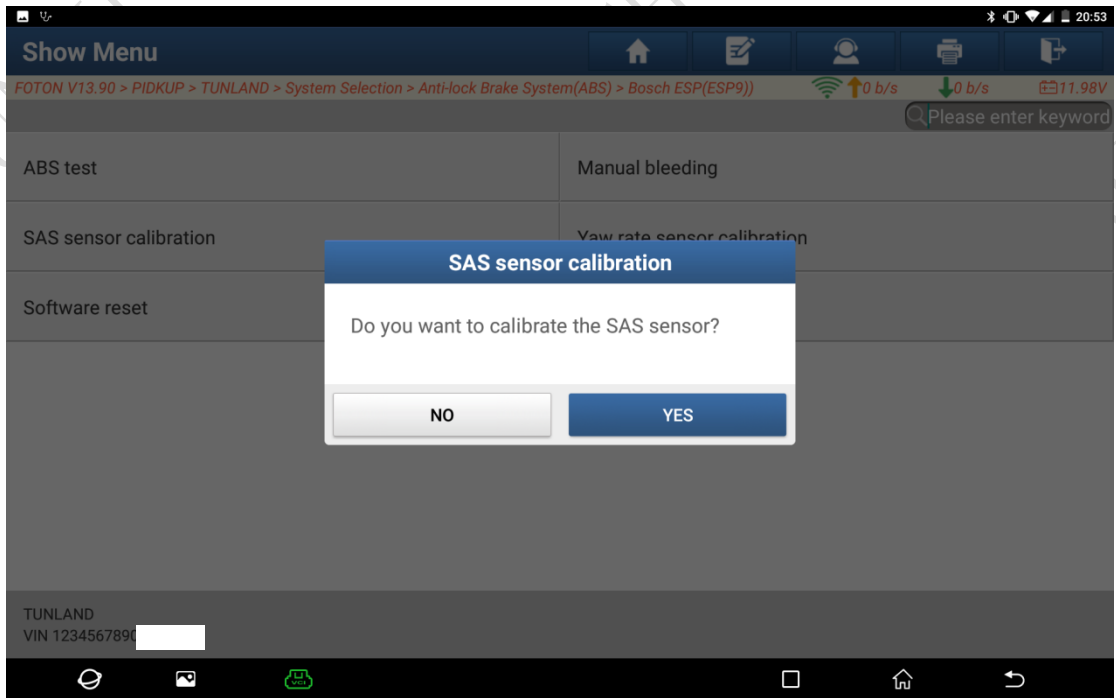


At the same time, the ESP lamp on the instrument panel is steady on.

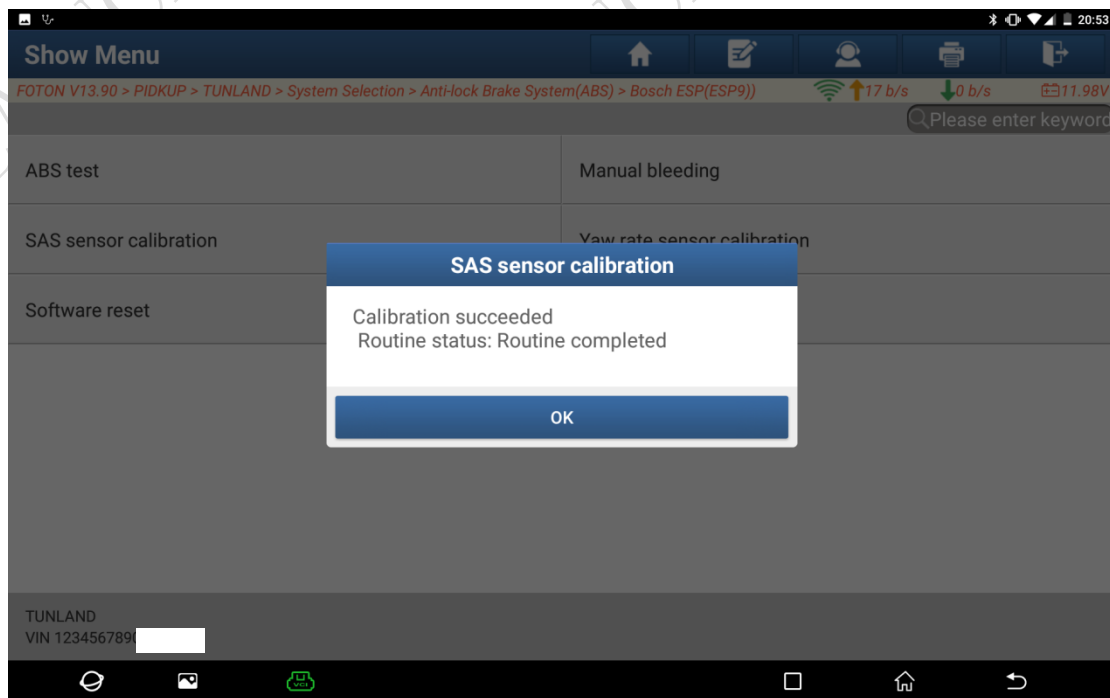
2. Choose FOTON > PICKUP > TUNLAND > System Selection > Anti-lock Brake System (ABS) > Bosch ESP (ESP9) > Special Functions > SAS Sensor Calibration, as shown in the following figure.



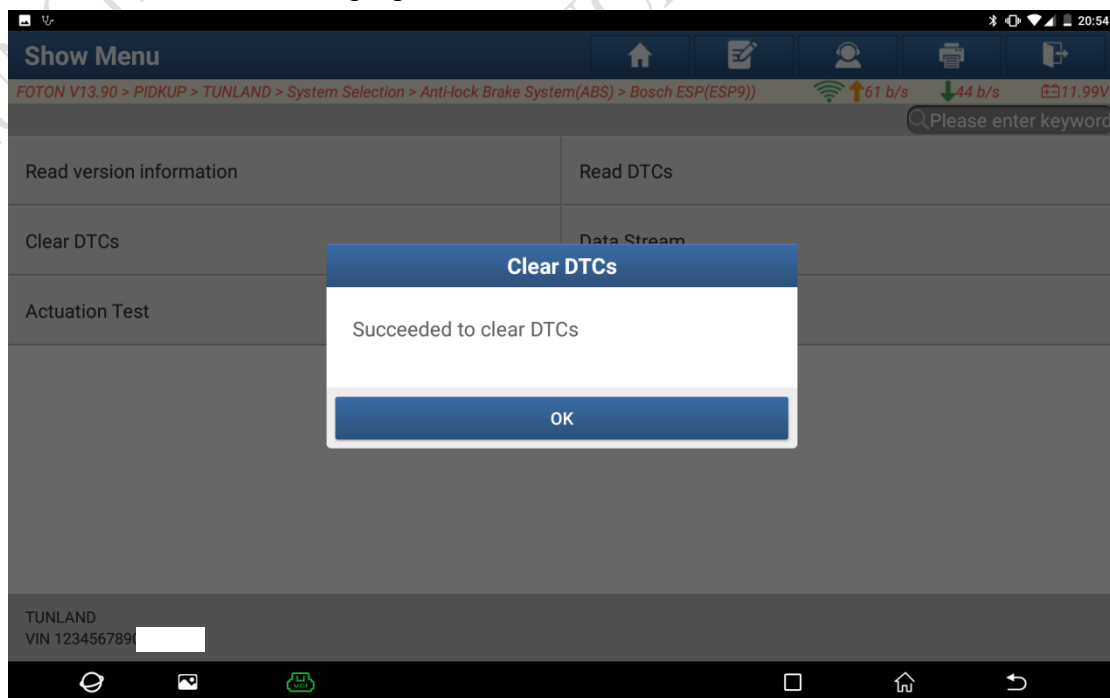
3. Click [Yes] to calibrate. The steering wheel must remain in the center position.



4. The SAS sensor calibration is completed, as shown in the following figure.



2. Choose FOTON > PICKUP > TUNLAND > System Selection > Anti-lock Brake System (ABS) > Bosch ESP (ESP9) > Special Functions > Clear DTCs, as shown in the following figure.



After DTC clearing, the ESP lamp on the instrument panel goes out, indicating that the calibration is successful.

6. After the SAS calibration is completed, a test drive must be carried out by passing a 90° curve (left or right turn) at speeds of 10km/h, 20km/h, 30km/h,

and 40km/h respectively, or changing lanes on an open road in a serpentine manner.

Statement

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