

NISSAN 2023 SYLPHY B18 Steering Angle Sensor Adjustment

Tested Model: NISSAN 2023 SYLPHY B18

Function Description:

If the following operations are performed, this function needs to be used to readjust the steering angle sensor:

- Removal and installation of ABS actuator and electrical unit
- Replacement of 4 tires or tire rotation
- Removal of steering wheel, replacement of airbag hairspring, replacement of steering wheel column, etc.
- Replacement of steering angle sensor

Execution Conditions:

- Start the engine. Ensure that the vehicle power system operates normally.
- Turn the steering wheel to the extreme position. Turn the steering wheel to the left to the extreme position first, then to the right to the extreme position, and finally return it to the center.
- Before executing the function, keep the vehicle in a straight ahead state and turn the steering wheel straight, that is, the steering angle range is $0^{\circ} \pm 3.5^{\circ}$.

Procedure:

1. On an X431-PAD 5, choose [Local Diagnosis], and then choose [Nissan] to enter the menu (as shown in Figure 1).

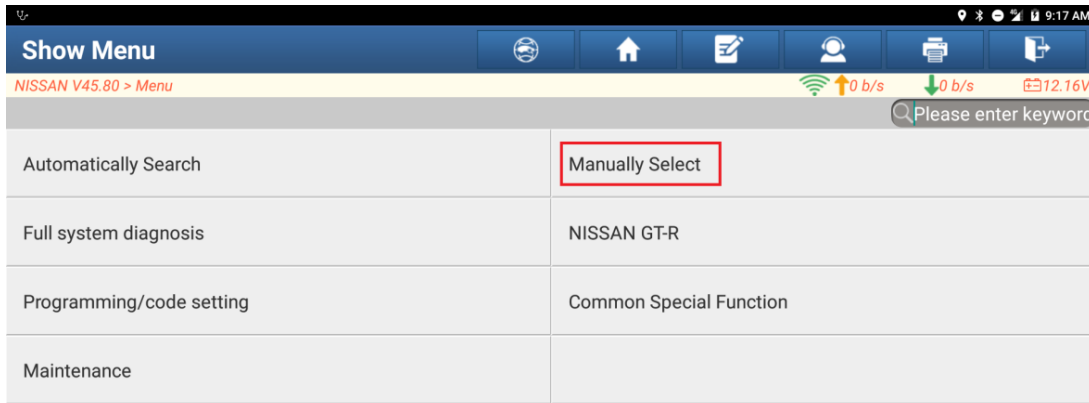


Figure 1

- Choose [Manually Select -> Far East -> People's Republic of China -> SYLPHY -> B18 -> 01/2023] in sequence to enter the full vehicle system, and click [Smart Detection] to scan the full vehicle systems (as shown in Figure 2).

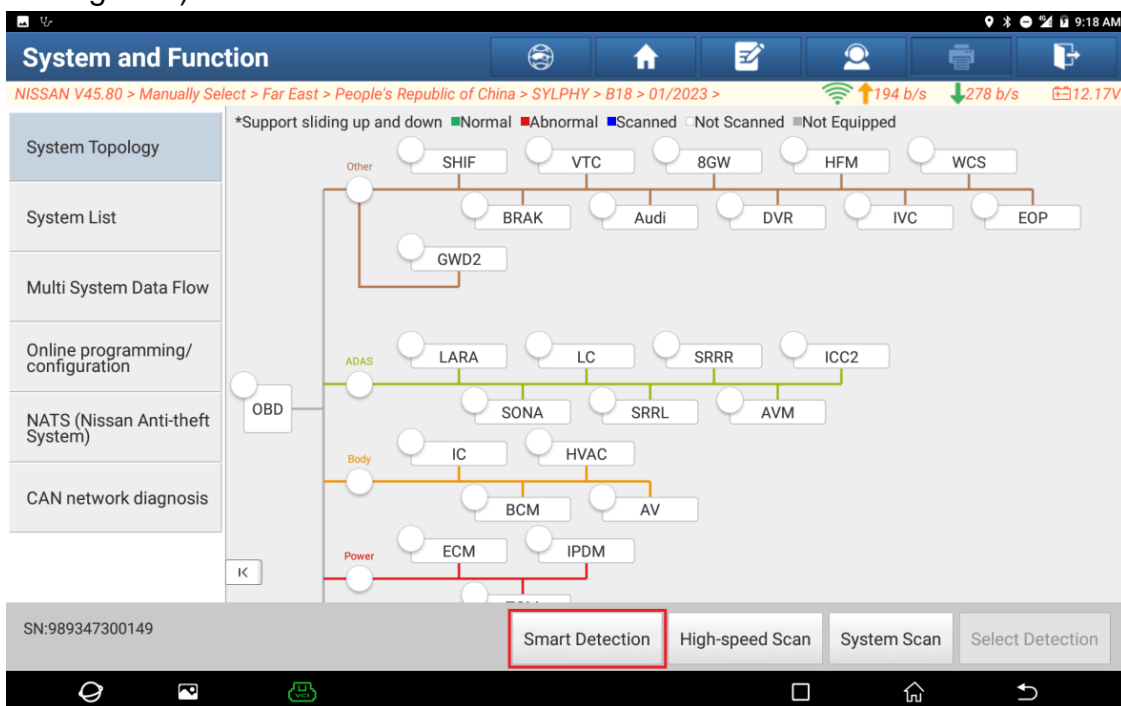


Figure 2

3. Choose [System List] and then choose [Anti-lock Brake System (ABS)] (as shown in Figure 3).

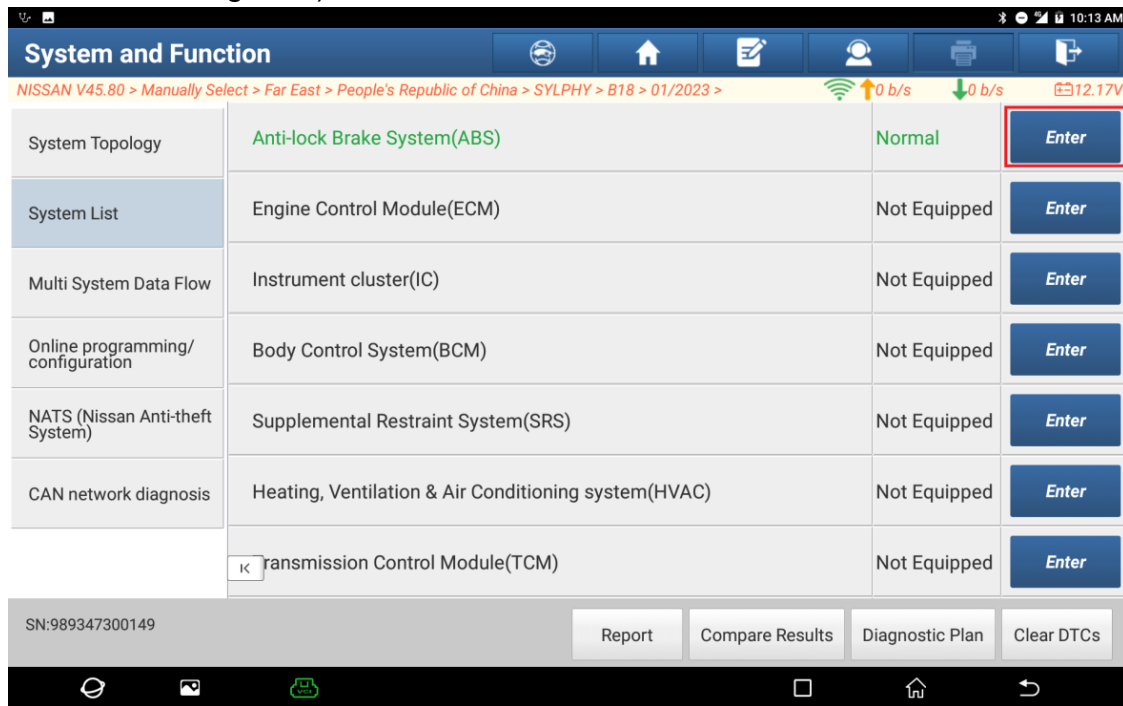


Figure 3

4. Choose [WORK SUPPORT] (as shown in Figure 4).

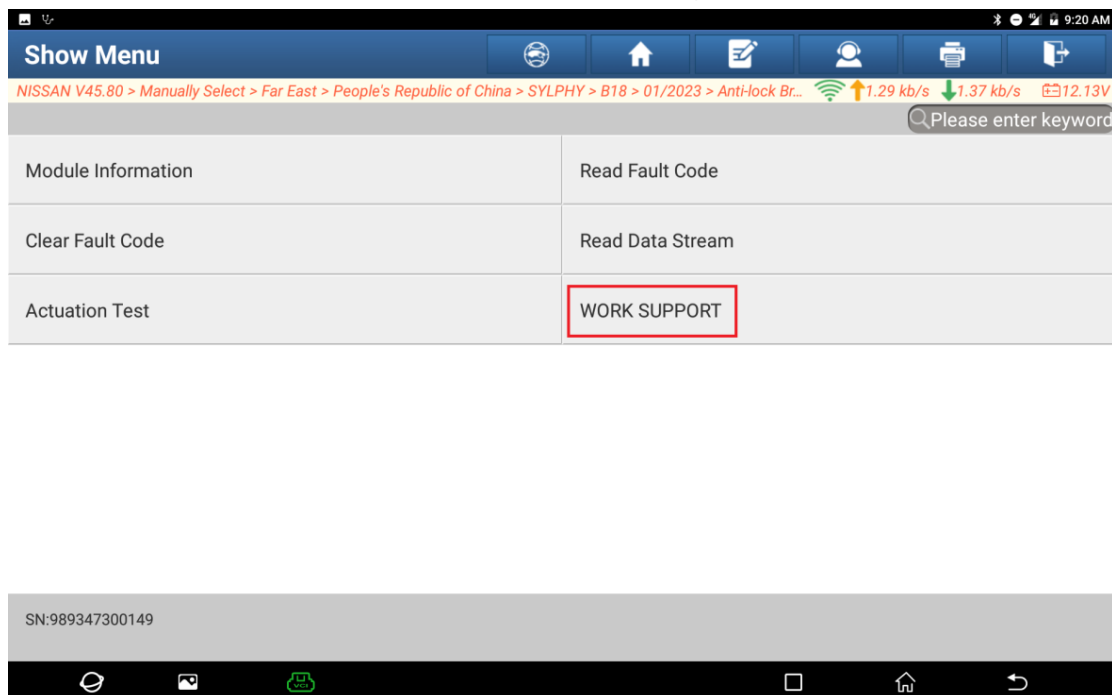


Figure 4

5. Choose [Steering Angle Sensor Adjustment] (as shown in Figure 5).

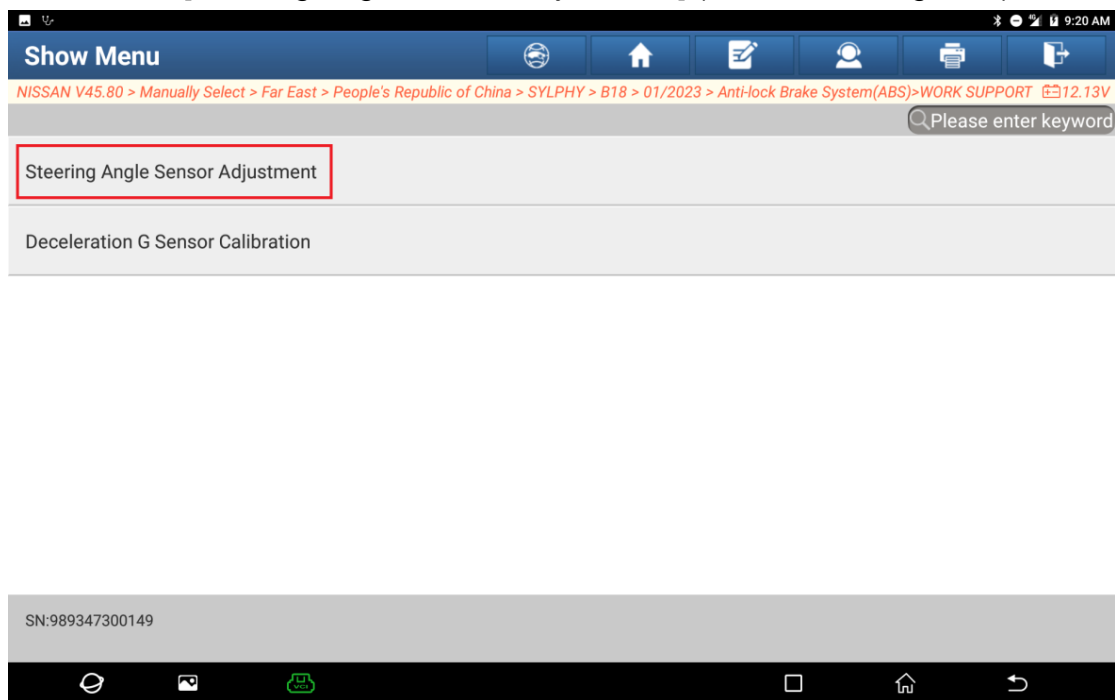


Figure 5

6. If the steering wheel keeps in the middle position and drives straight, click OK to enter the next step (as shown in Figure 6).

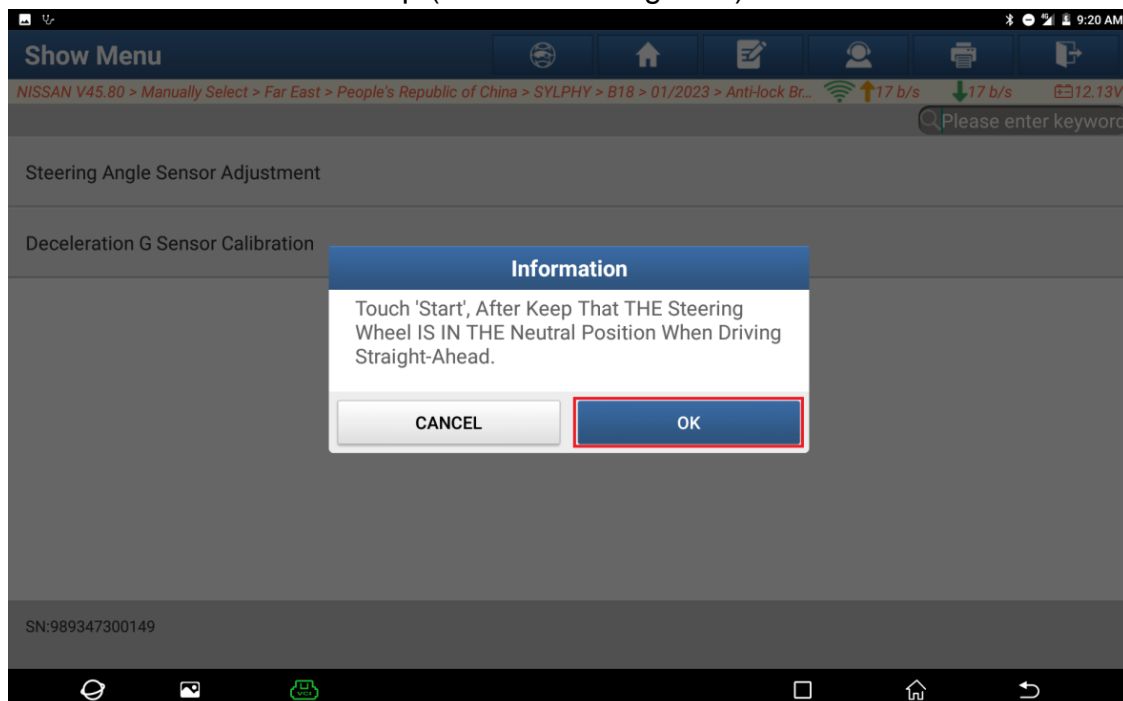


Figure 6

7. Click [Start] to adjust (as shown in Figure 7).

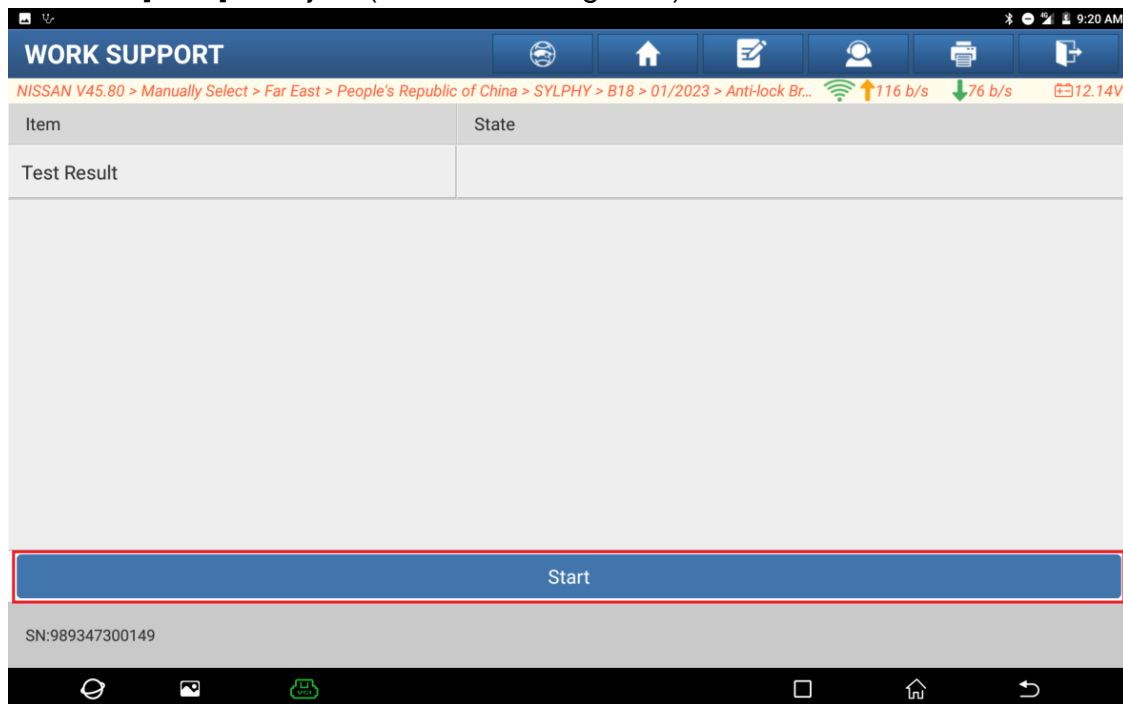


Figure 7

8. At this time, the steering angle sensor adjustment is in progress. Do not touch the steering wheel (as shown in Figure 8).

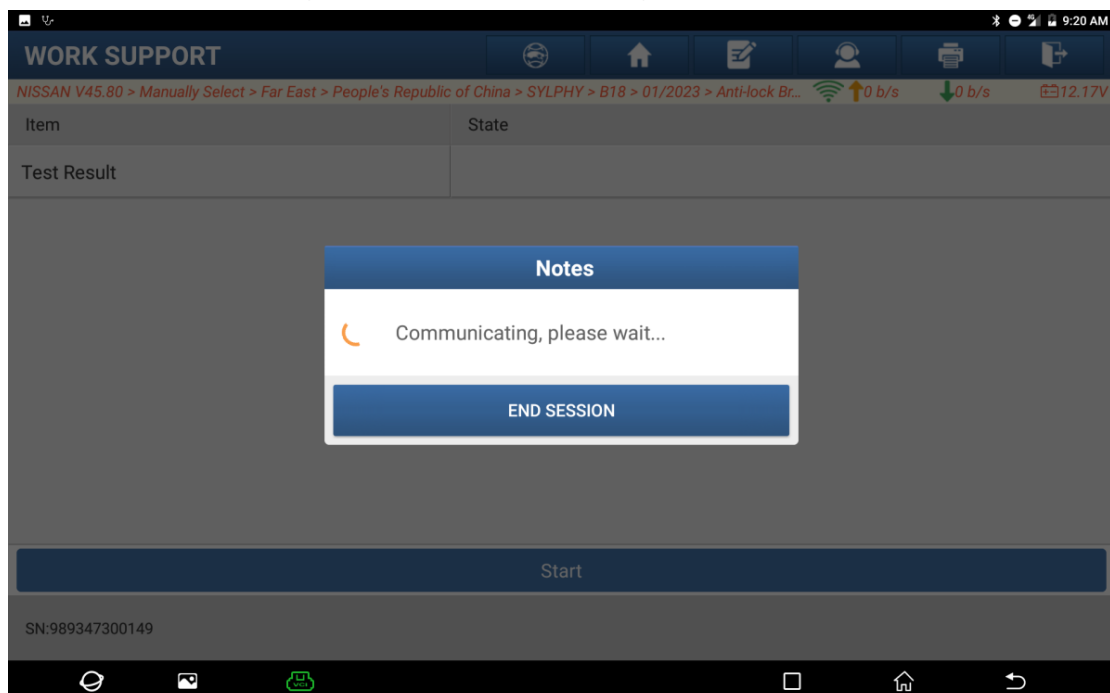


Figure 8

- 9. The item status value is displayed as "Command Ended", and the adjustment is completed (as shown in Figure 9).

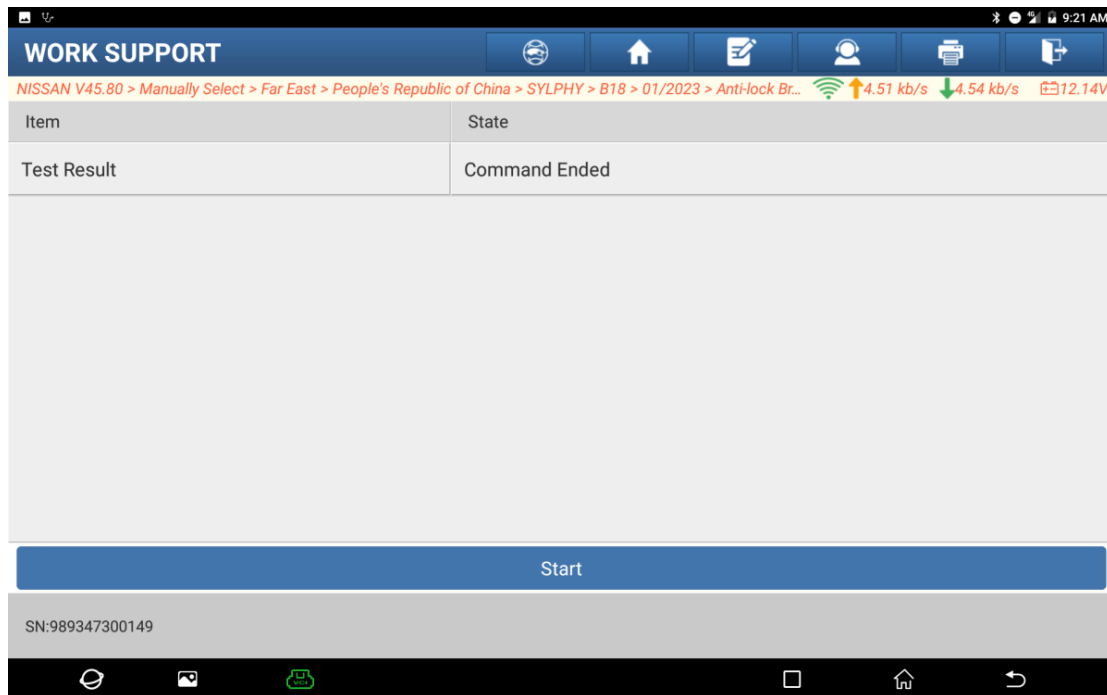


Figure 9

Statement:

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