

CHANGAN 2023 DEEPAL S7 Adaptive Cruise Control Calibration

Tested Model: CHANGAN DEEPAL S7

Function Description:

This function is to be performed for CHANGAN DEEPAL S7 in the following situations:

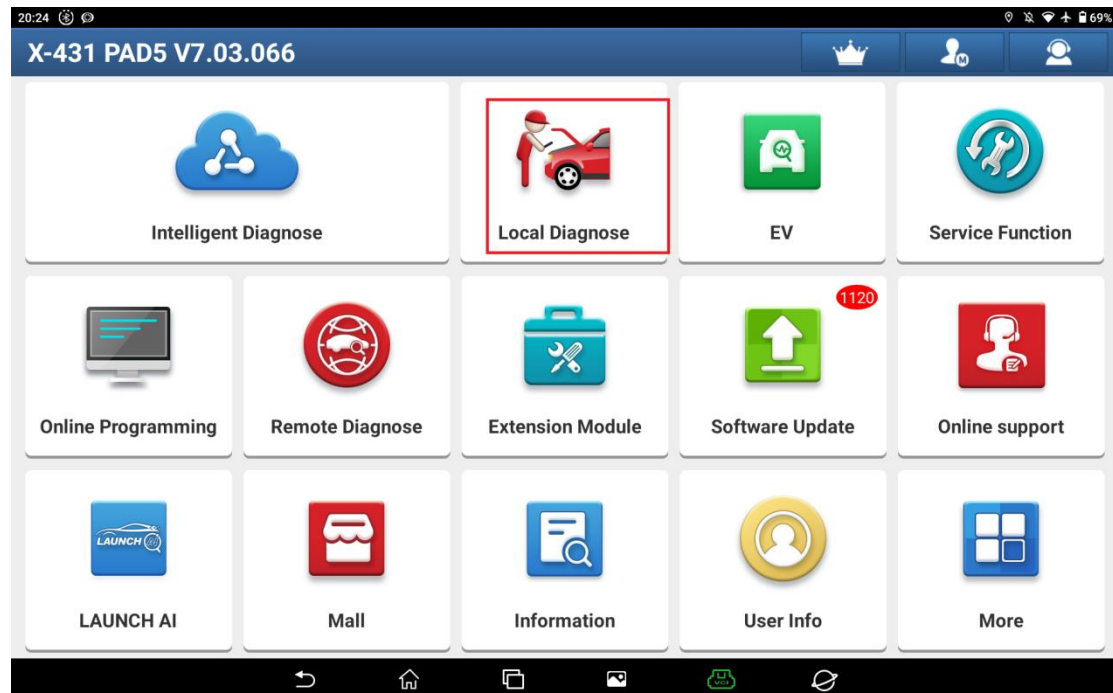
1. The radar reports errors and reads out the DTCs related to radar calibration through the diagnostic device.
2. The radar assembly is replaced.
3. The vehicle driving axis changes.

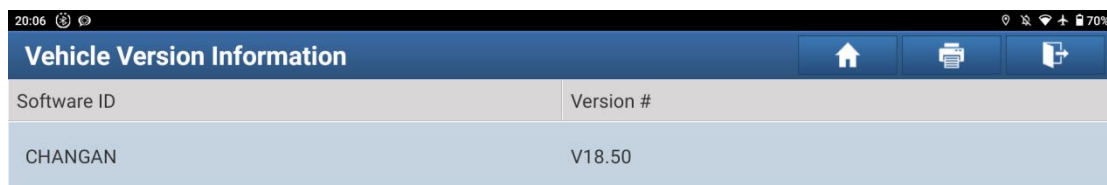
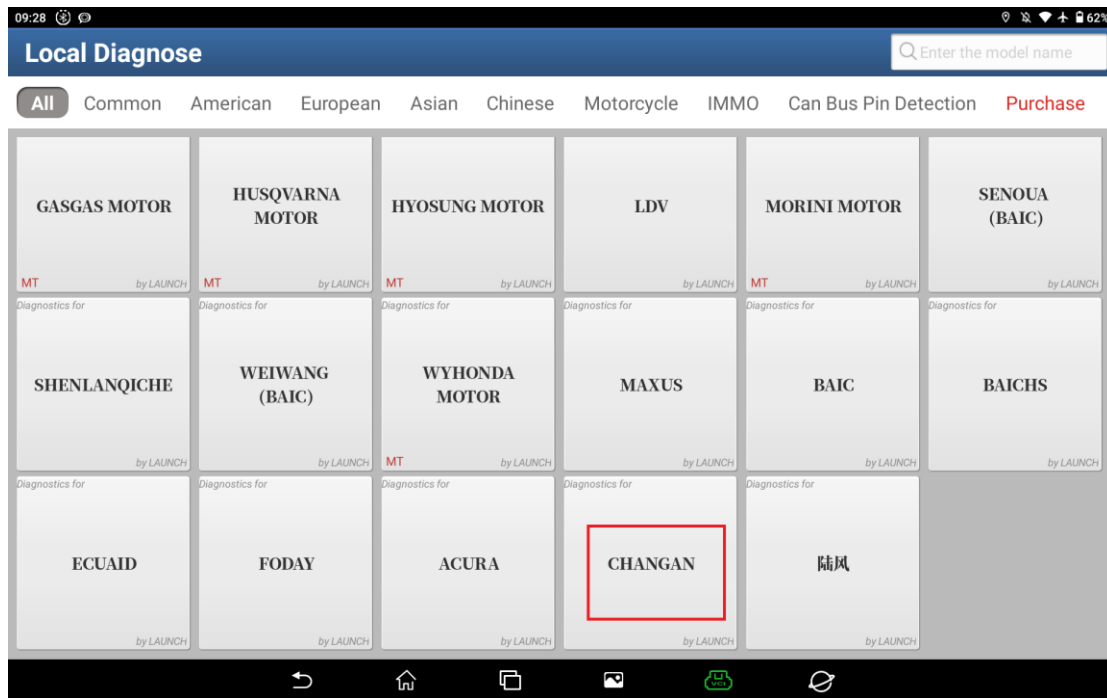
Execution Conditions:

- Connector connected and ignition switch ON
- Drive the vehicle for road driving calibration.

Procedure:

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





CHANGAN Diagnosis Program V18.50

UPDATE

Summary:

- Newly added basic support for 6 vehicle models, extended special function support for 5 additional models, and enhanced access to commonly used special function menus for select models. New model-specific menus have also been added, including the Changan Kaicheng Shenqi T30EV and Changan Electric Bus

New Functions:

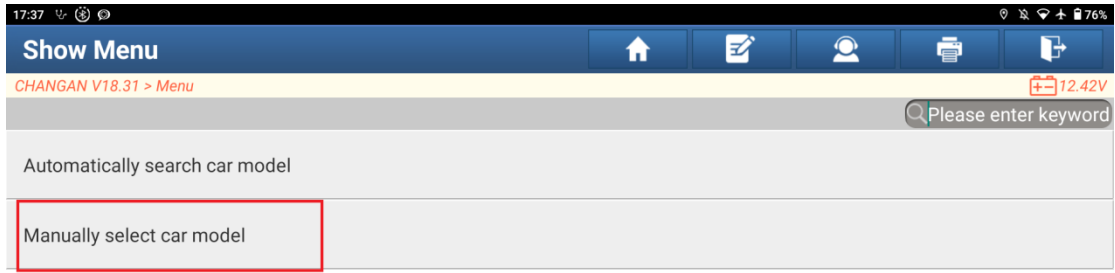
- Added basic function support for the following new models: Changan CS55 PLUS Gen4, Deepal S09, 3rd Generation Eado, Qiyuan A07 Zhenxiang Edition, EZ-60, and 2024 UNI-K (High-End ADAS - Yueling Trim)
- Added special function support for: Deepal G318, UNI-Z iDD, CS35 PLUS Enjoy Edition, CS55 PLUS Gen3, and Oushang X7 PLUS
- Added dedicated menus for: Shenqi T30EV, Changan XingKa EV(new model), Changan Electric Bus, Shenqi T30-2.0L, and F70 Blue Whale Edition
- Added commonly used special function menus for over 150 vehicle model paths

Optimized Functions:

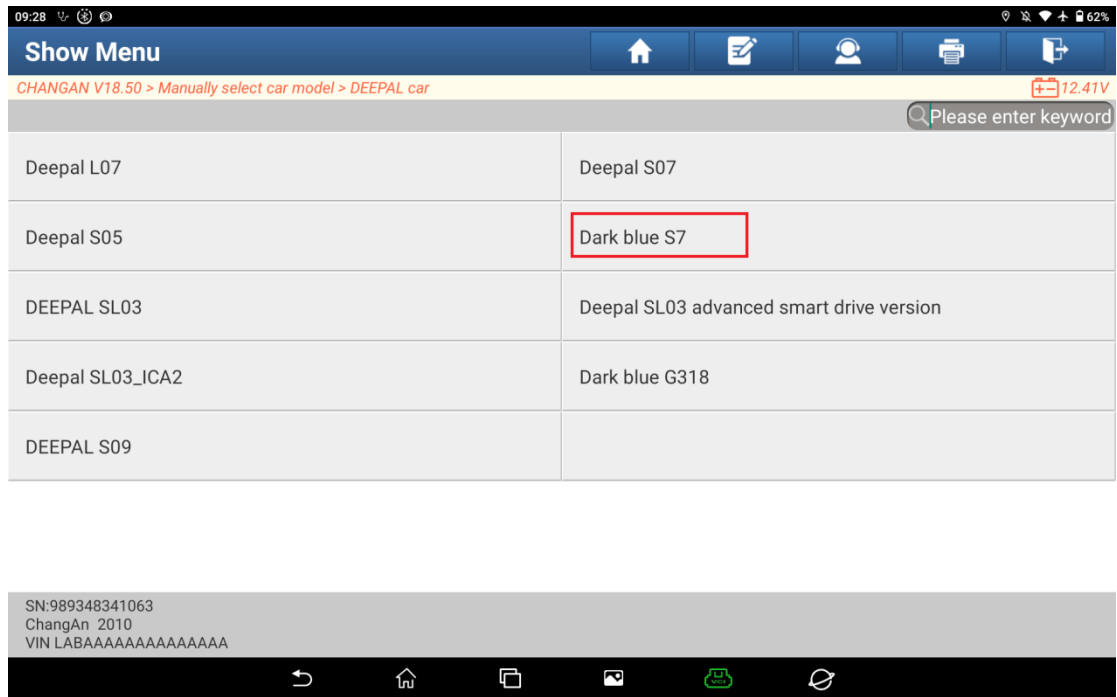
- Optimized data stream functionality for the UNI-K iDD model
- Improved auto-select feature



2. Click [Manually select car model], and then choose [DEEPAL car].



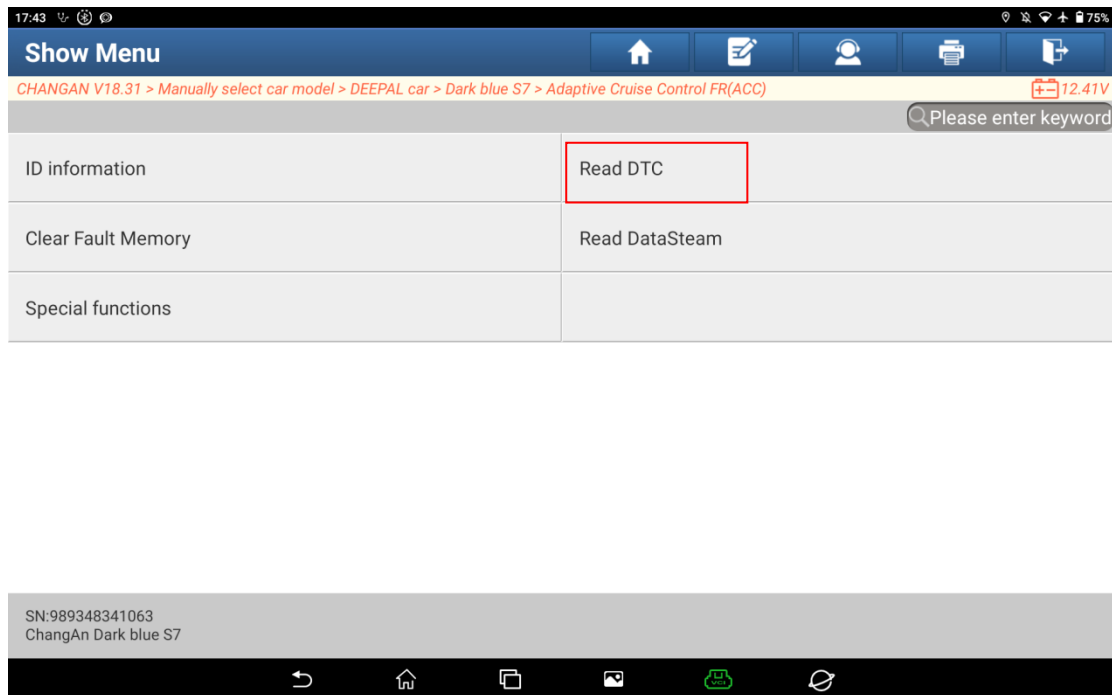
3. Click [DEEPAL S7].

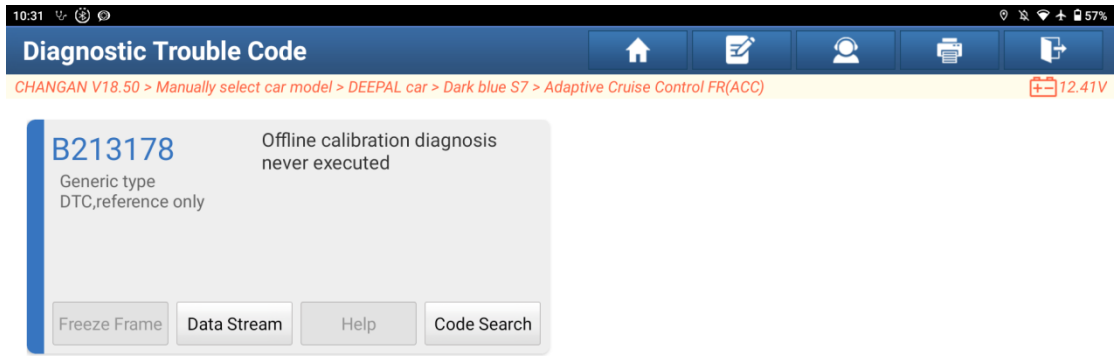


4. Click [ACC (Adaptive Cruise Control)] to access the system.

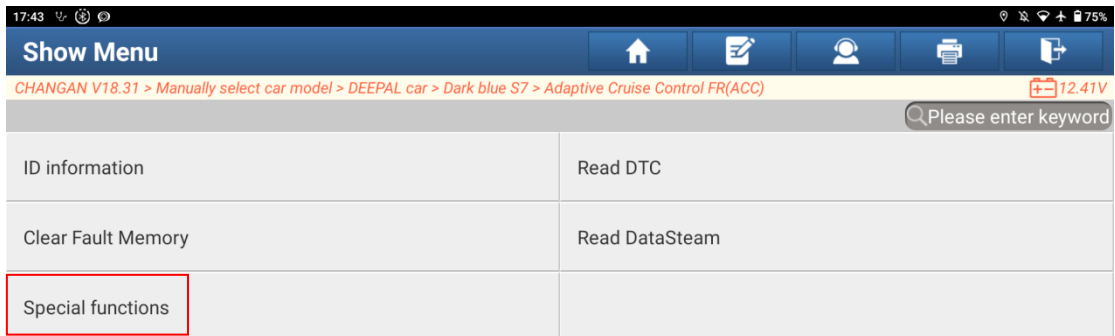


5. Choose [Read DTC]. If radar-related DTCs are read out, execute the special function SDA calibration.

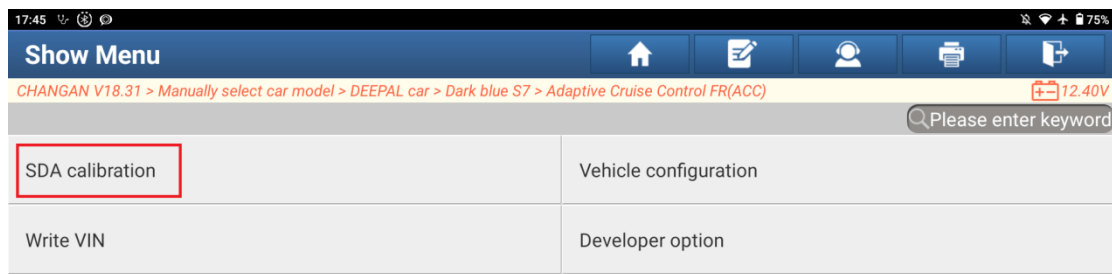




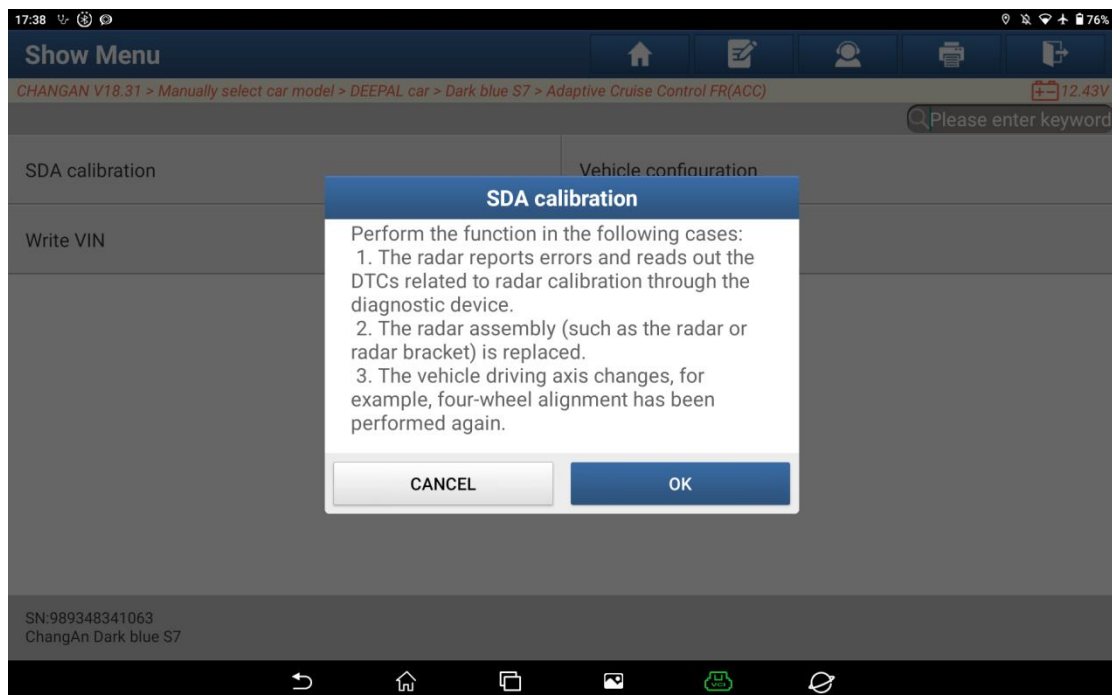
6. Choose [Special functions].

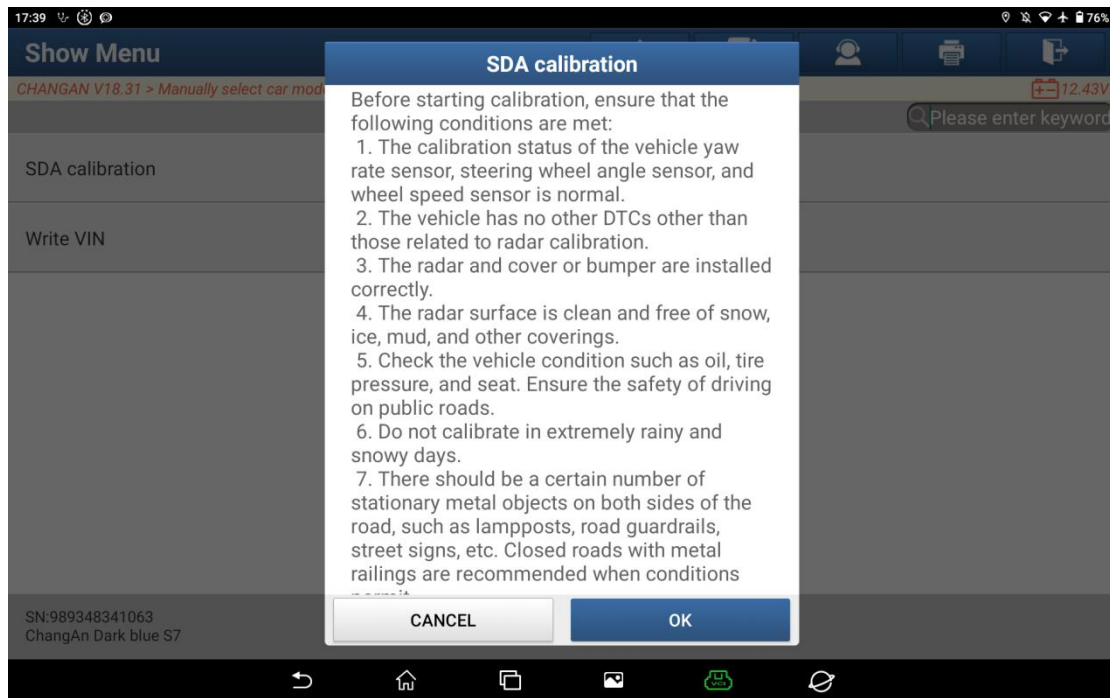


7. Choose [SDA calibration].

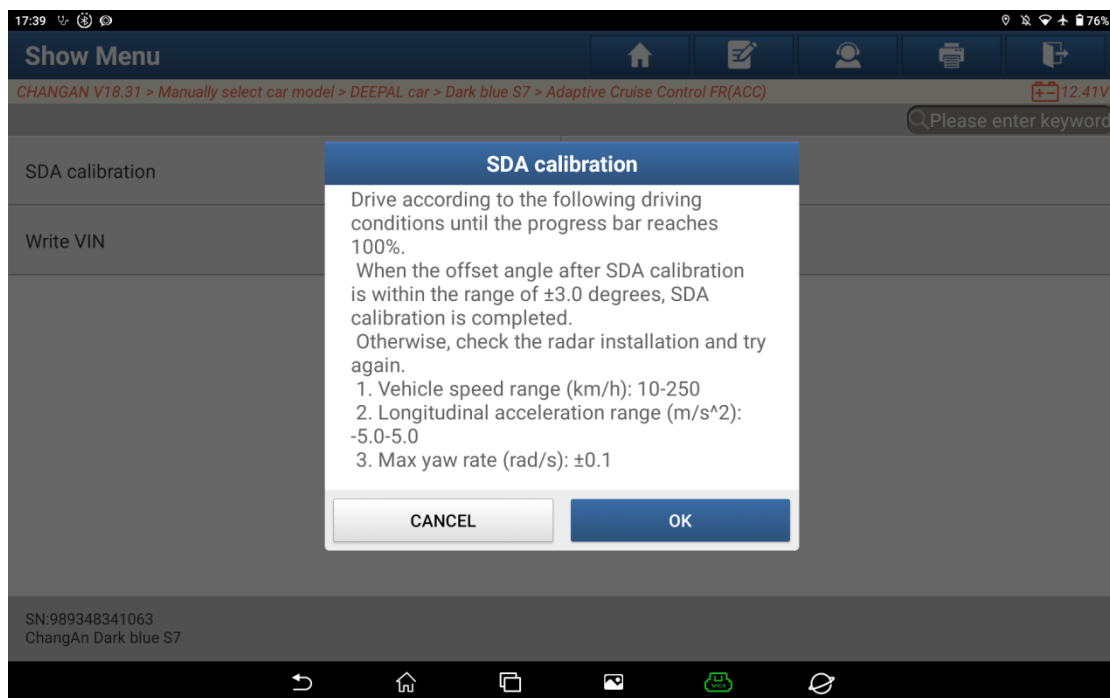


8. Review the test conditions required to perform this function, check the road conditions for vehicle driving calibration, and click OK to continue.

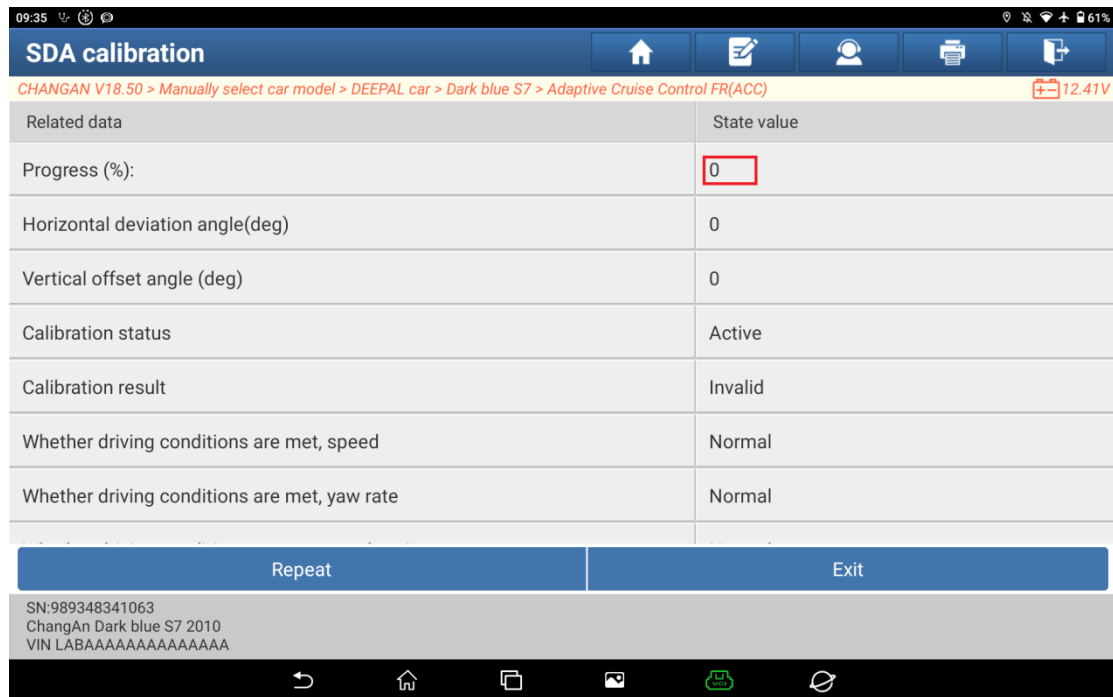




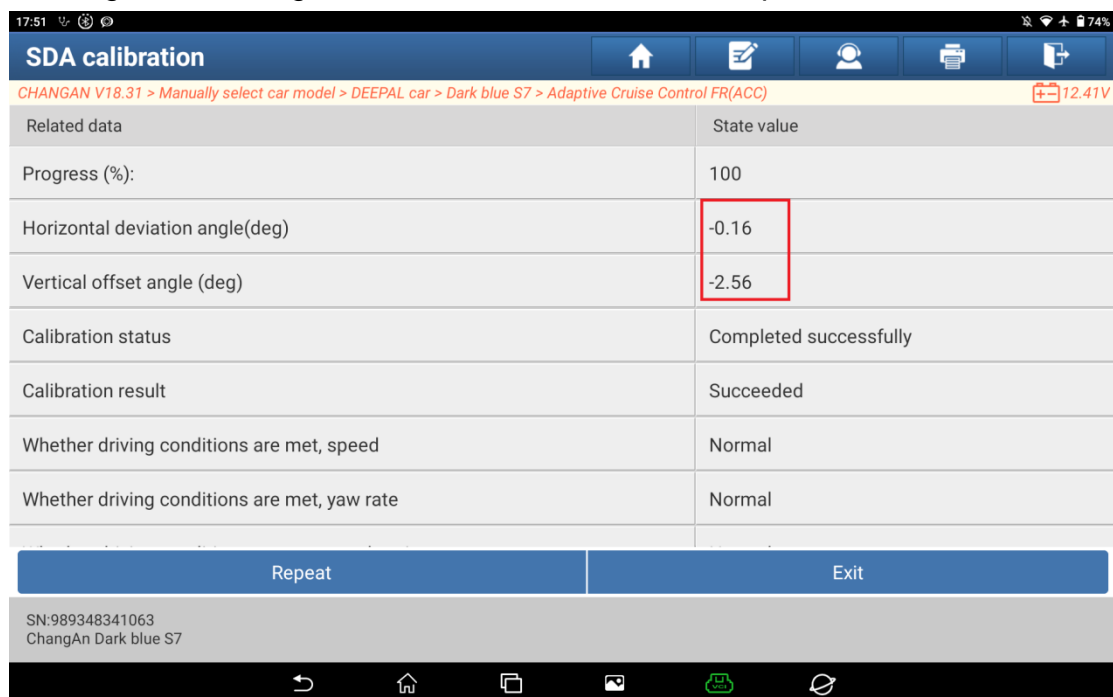
9. Drive according to the prompted conditions and click OK to continue.



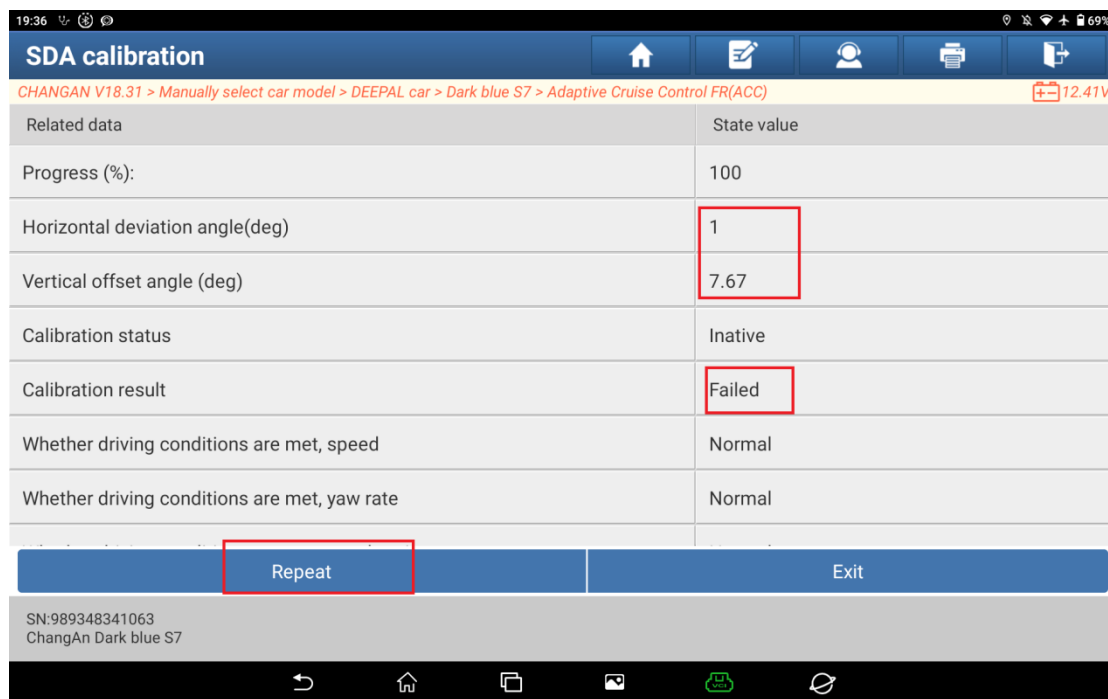
10. Confirm whether the calibration conditions are met according to the prompts. Drive the vehicle until the progress bar reaches 100%.



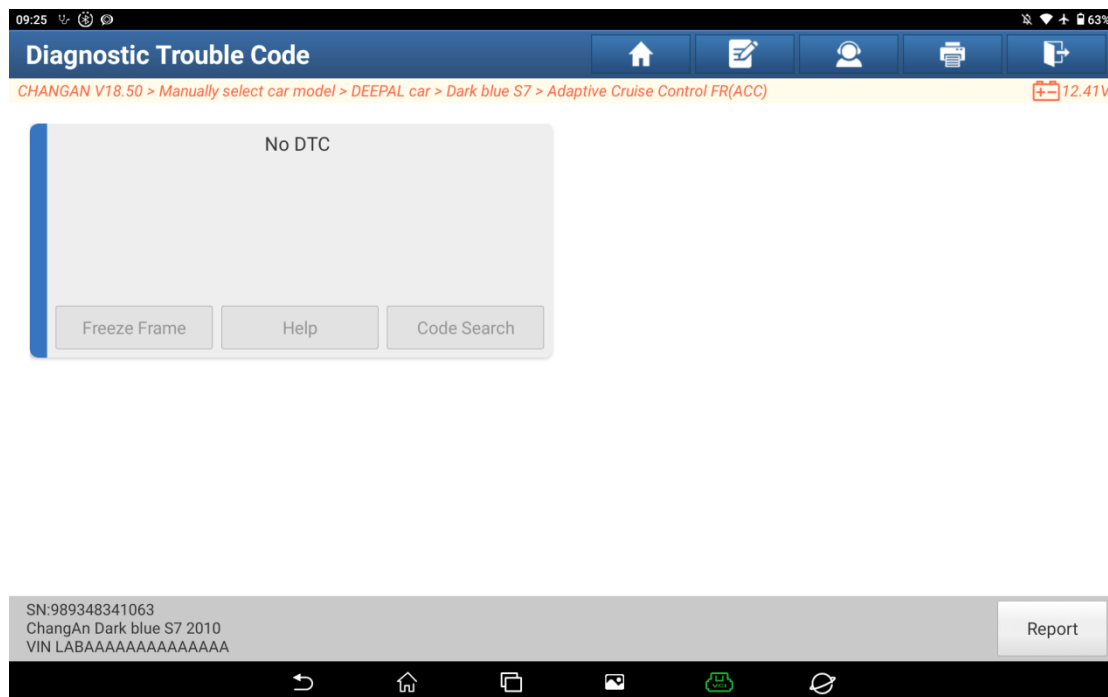
11. After the progress bar reaches 100%, if the deviation angle is within the range of ± 3.0 degrees, the SDA calibration is completed.



12. If the progress bar reaches 100% but the deviation angle is not within the range of ± 3.0 degrees, the calibration fails or is invalid. Professional instruments are needed to adjust the radar angle. Click [Repeat] to restart the calibration.



13. After successful calibration, read the DTCs. If no DTCs are present, the ACC calibration is completed.



Statement:

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