

Honda 2022 TLX Automatic

Multiple-View Camera Aiming

Tested Model: HONDA TLX 2022

Function Description:

This function is used for multiple-view camera aiming on Honda models.

Camera aiming is required in the following situations:

- Front bumper or front grille repaired or replaced
- Front camera repaired or replaced
- Rear camera repaired or replaced
- Side mirrors repaired or replaced
- Left/right camera repaired or replaced
- DTC "B14B3 - Camera not aligned" present

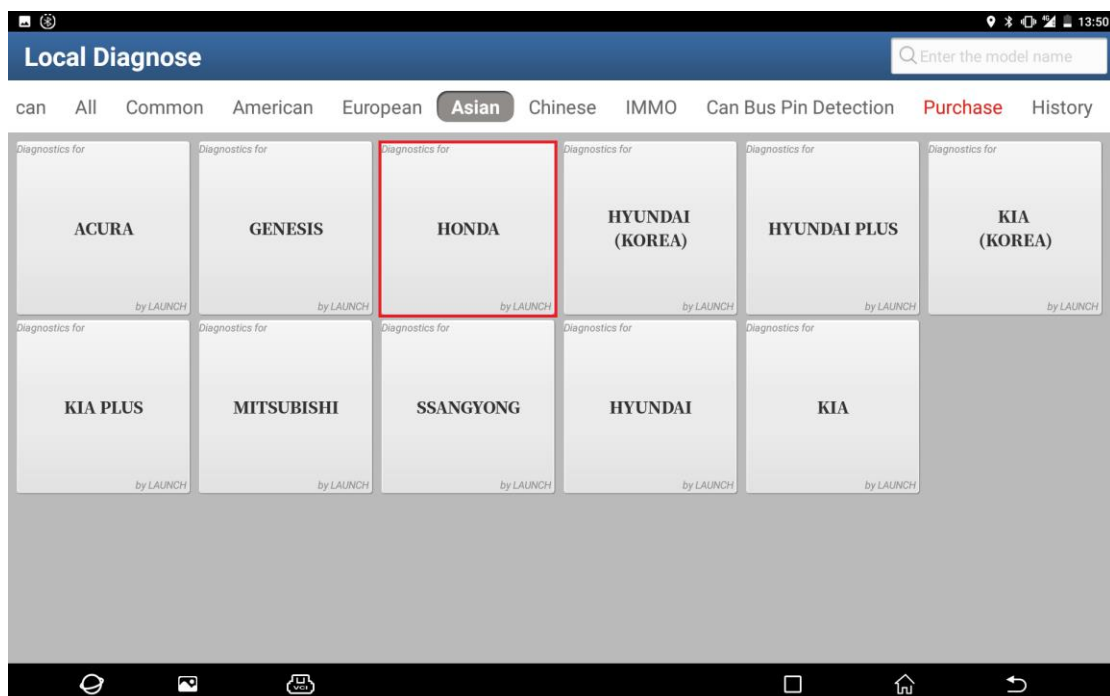
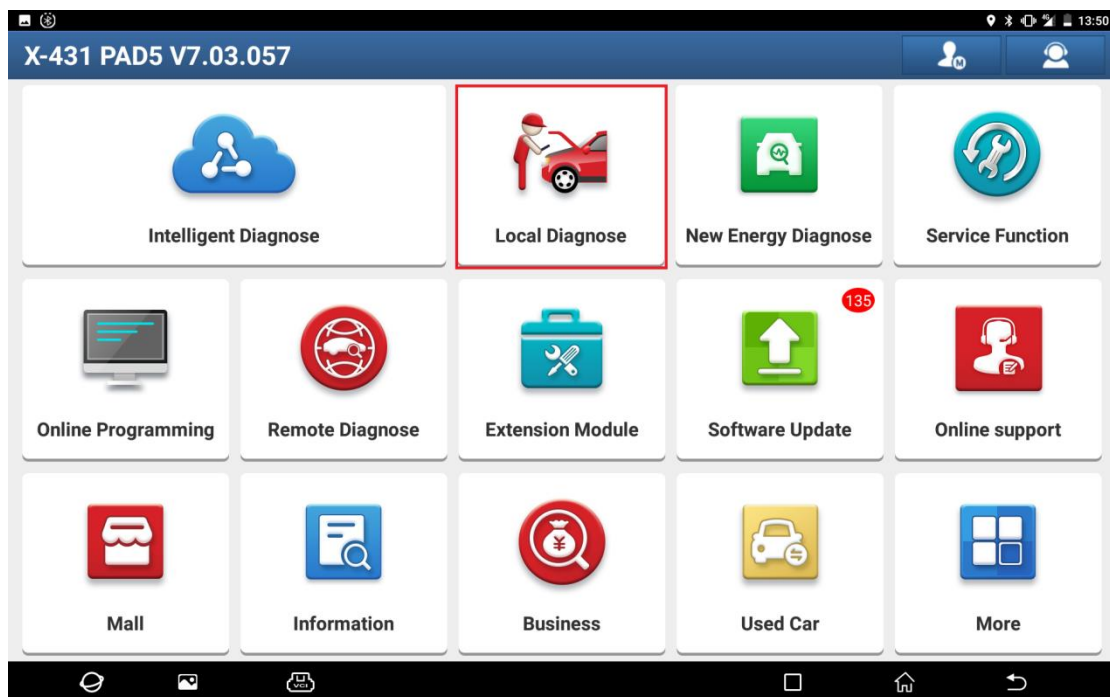
Supported Equipment: Launch PRO or PAD series comprehensive diagnostic equipment

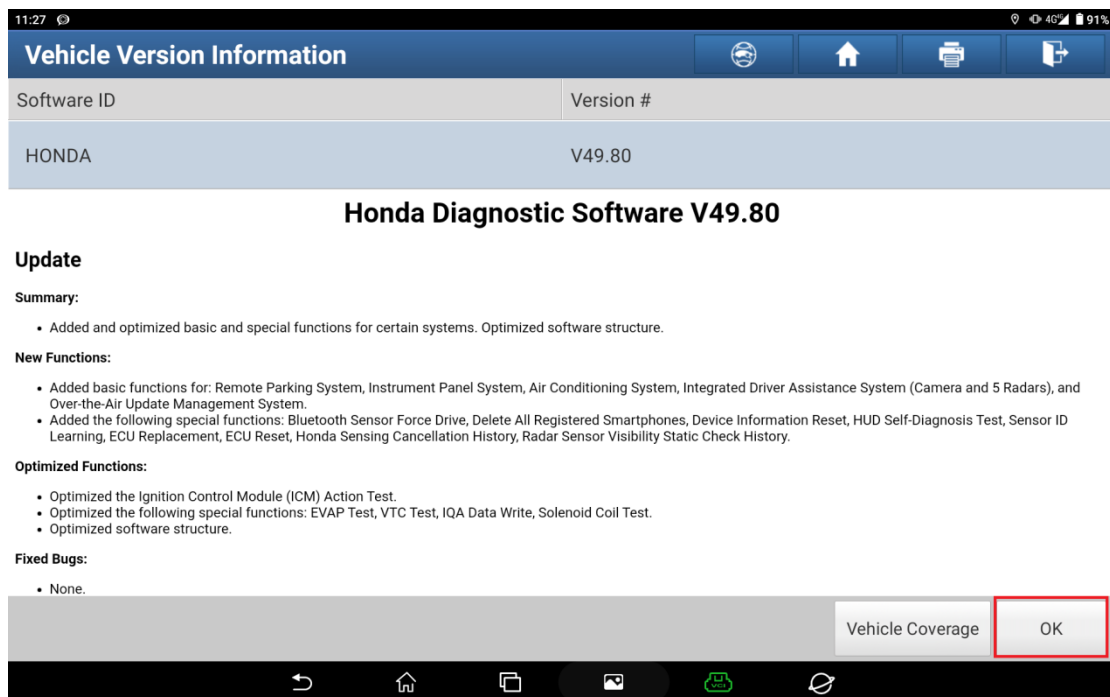
Attention:

- Park the vehicle on a level ground with no load and the steering angle at 0°.
- Shift the gear lever to the Park (P) position.
- Ensure that the vehicle tire pressures are normal.
- Keep all camera lenses clean and unobstructed.
- Ensure that the target image is correctly displayed on the camera monitor.
- Ensure sufficient lighting; no reflective or shiny objects around the target.
- To prevent calibration failure, ensure that the ground is flat for a distance of at least 1.5 meters around the front, rear, and sides of the vehicle.
- Prepare four LAC04-01 targets and one LAC04-02 target.

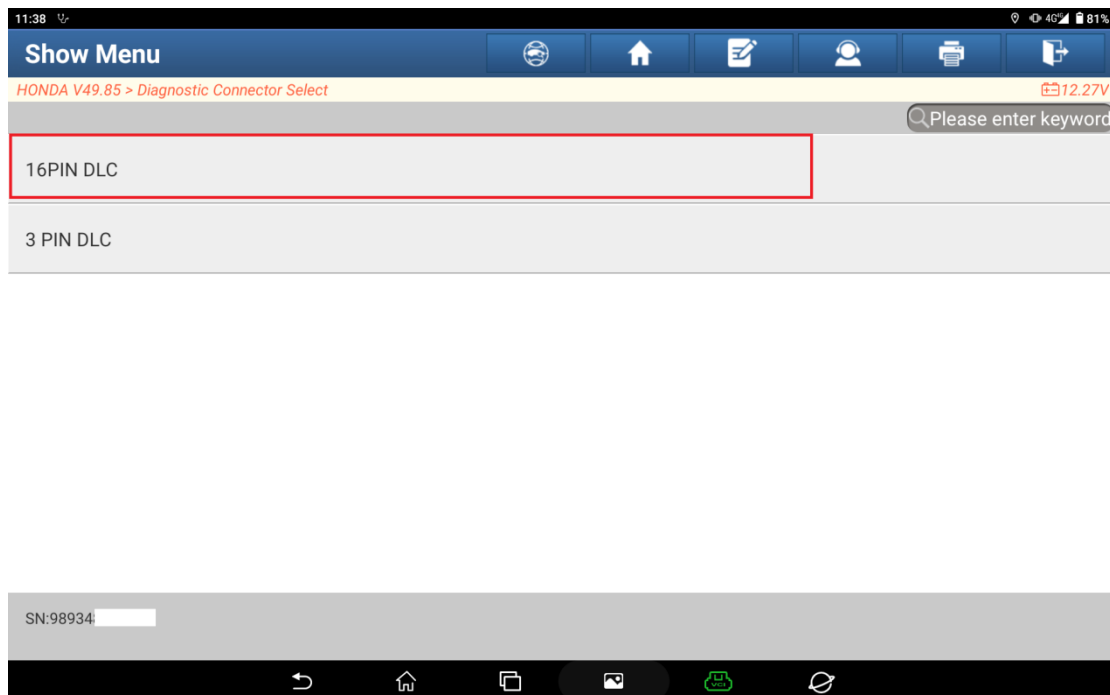
Procedure:

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



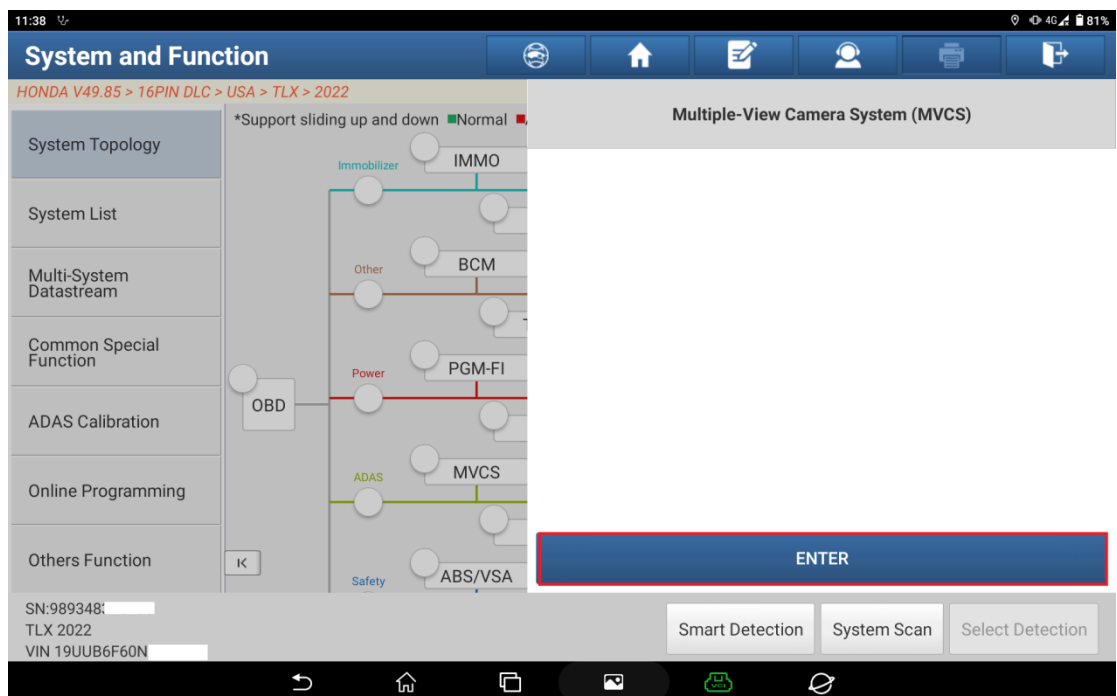


2. Click [16PIN DLC], and then choose the region to automatically identify the vehicle model. For this test, choose the [USA] region.

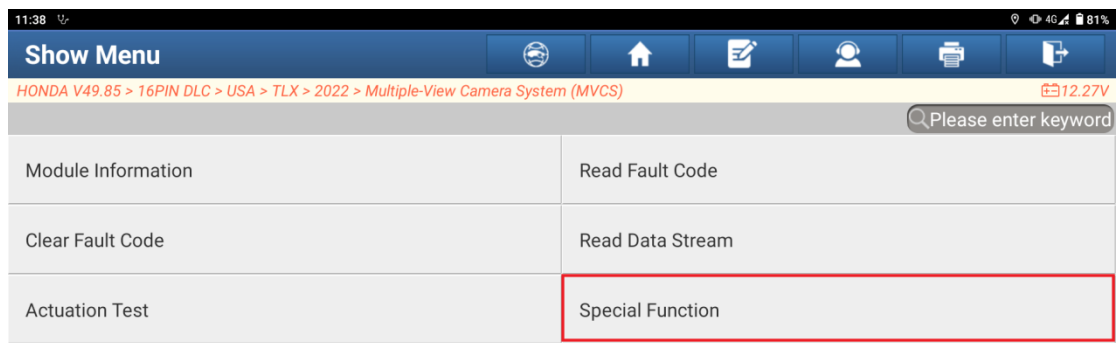




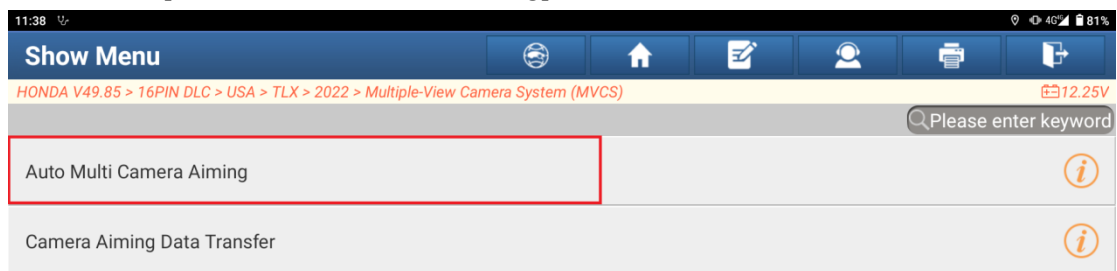
3. Choose [MVCS (Multiple-View Camera System)] and click “ENTER”.



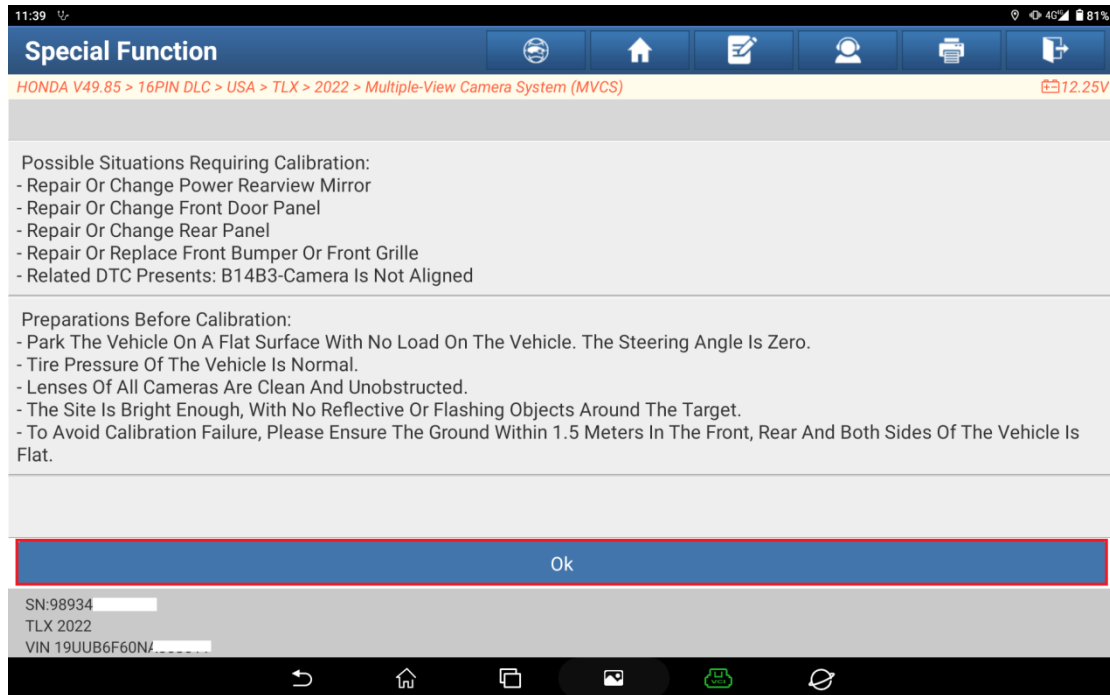
4. Choose [Special Function].



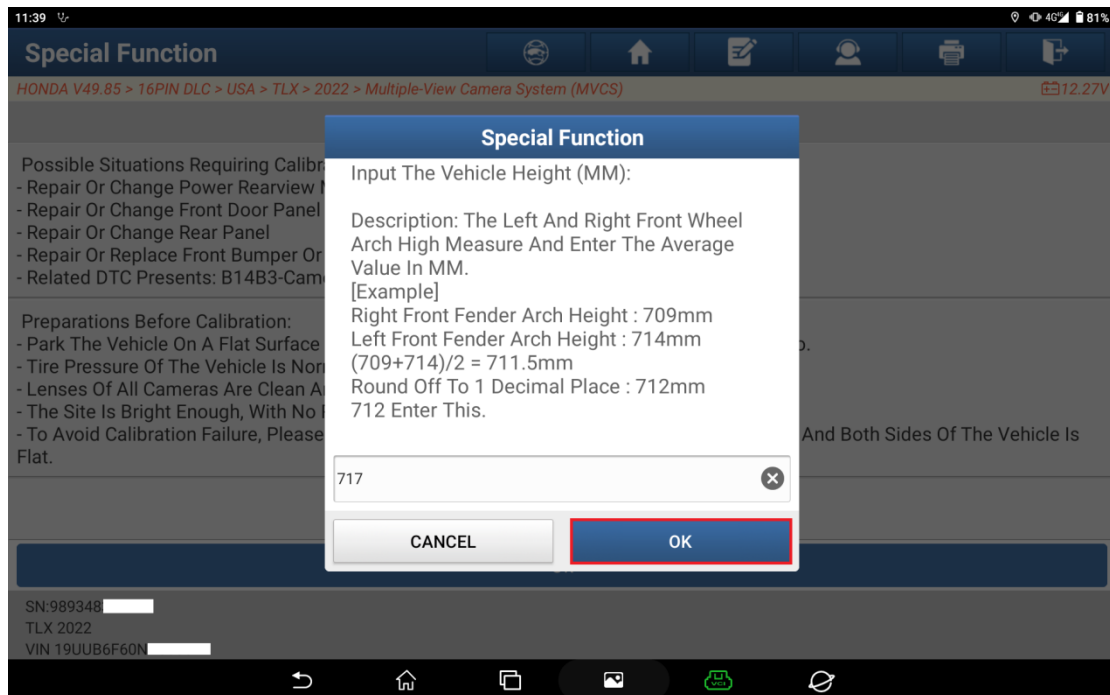
5. Choose [Auto Multi Camera Aiming].



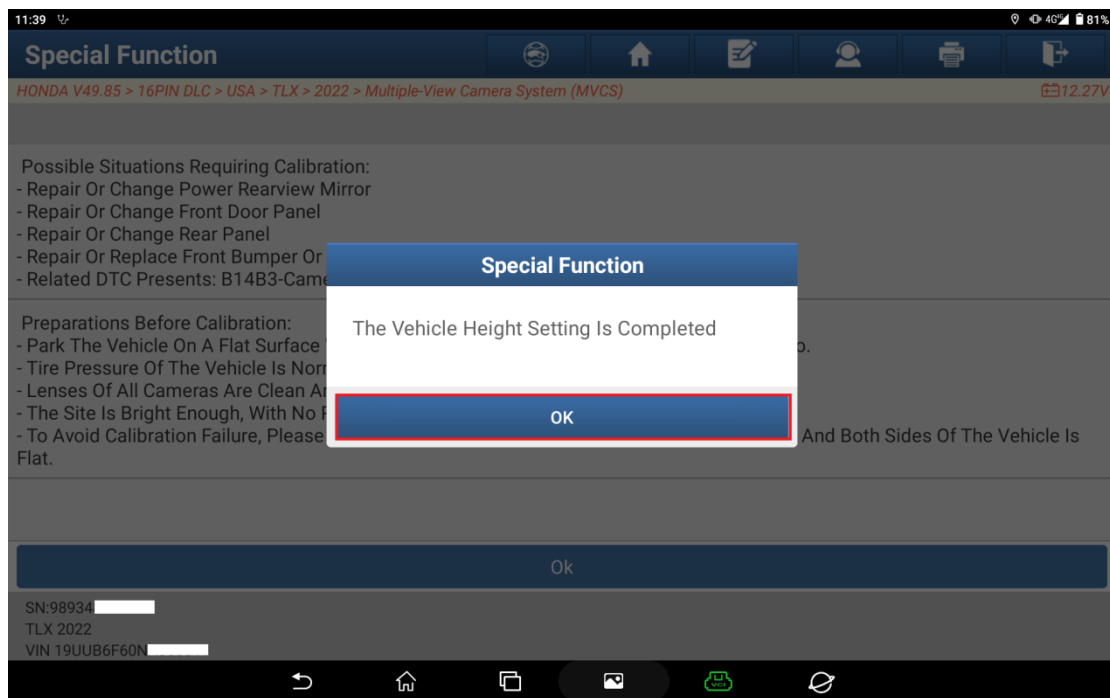
6. Read the function description and calibration conditions. After ensuring that all conditions are met, click “OK”.



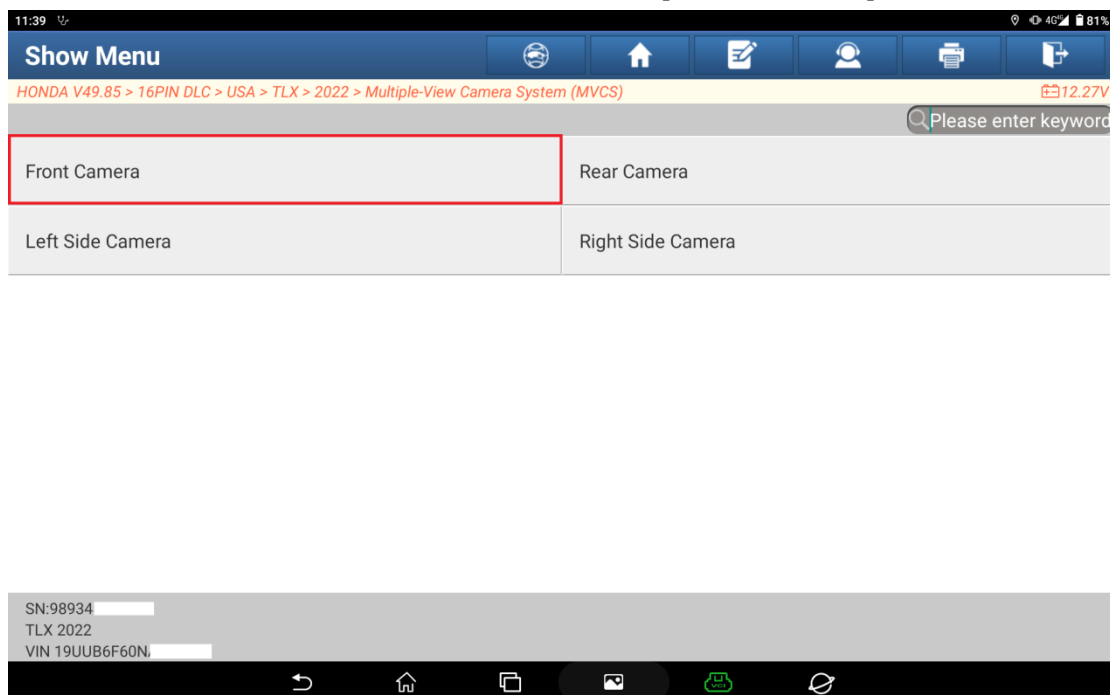
7. Measure the heights of the left and right front wheel arches, and then enter the average value. Please enter the actual measured value; otherwise, the function may fail. After entering the value, click “OK”.



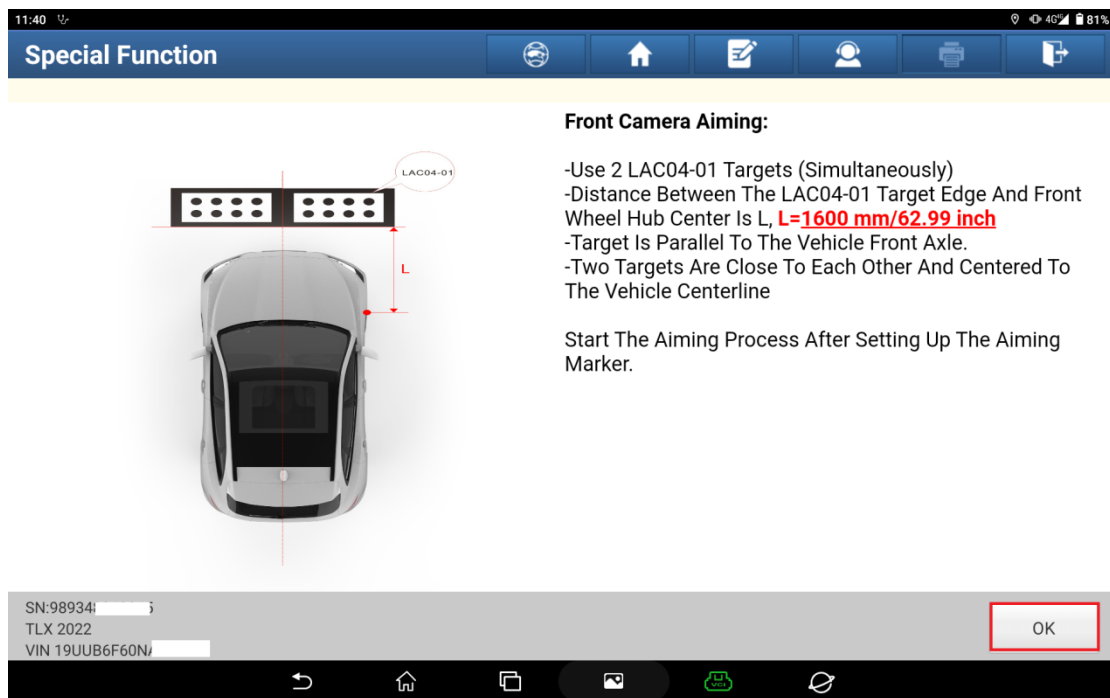
8. Vehicle height setting is completed. Click “OK”.



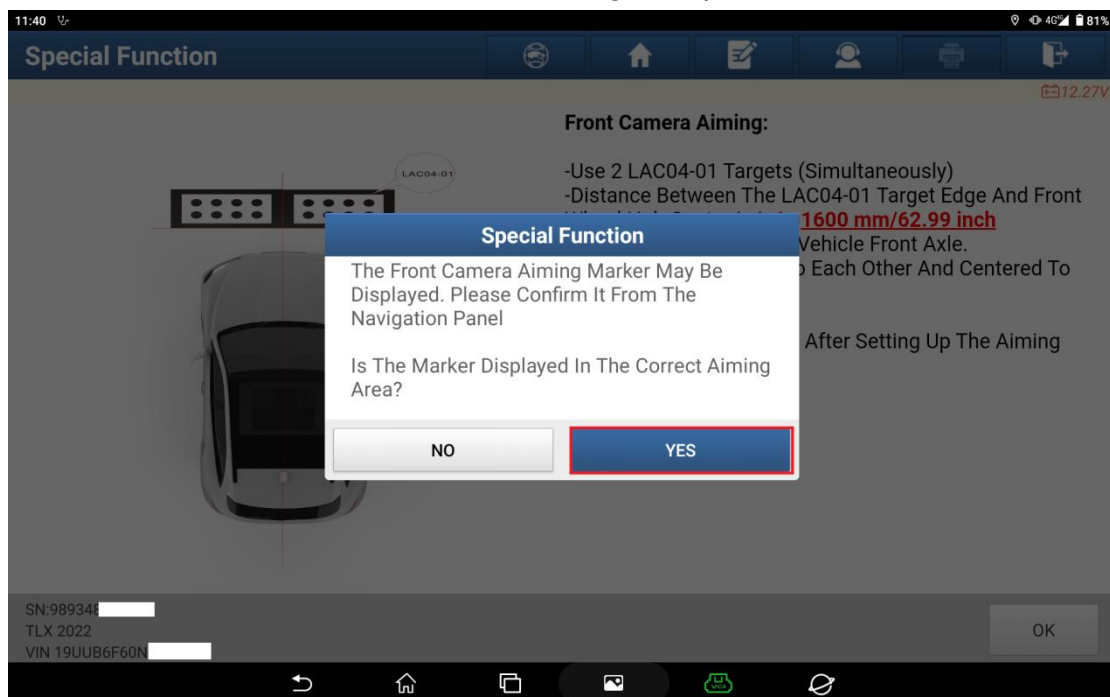
9. Select the cameras to be calibrated based on actual requirements. For this test, all cameras are to be calibrated. Choose [Front Camera] first.



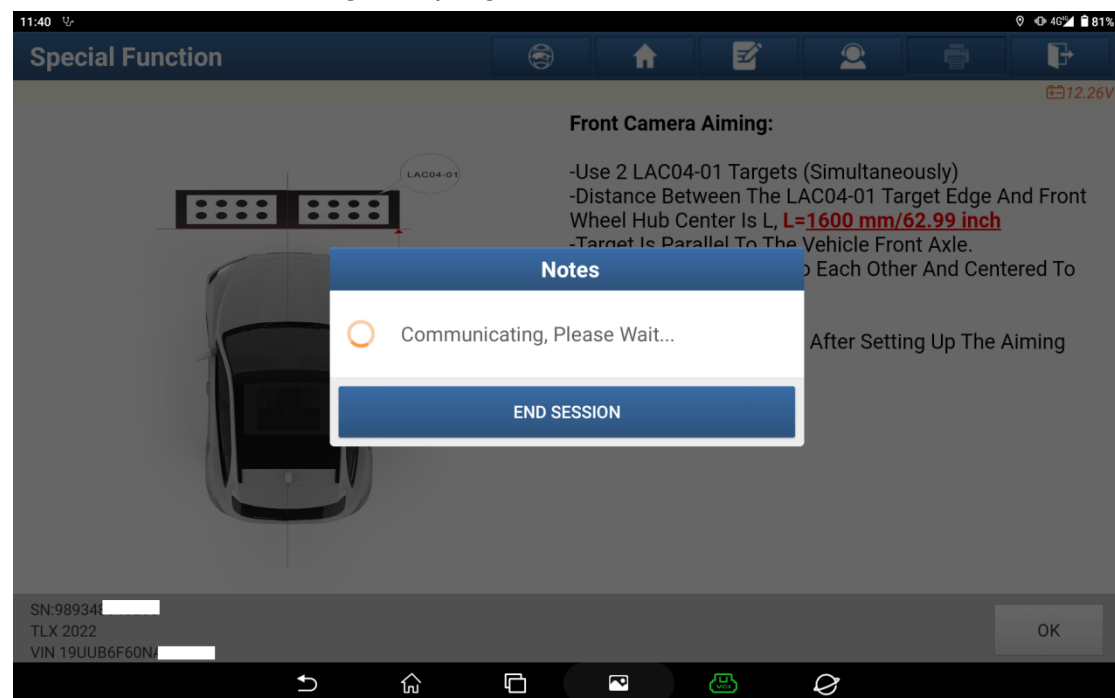
10. Position the target as prompted, and then click “OK”.



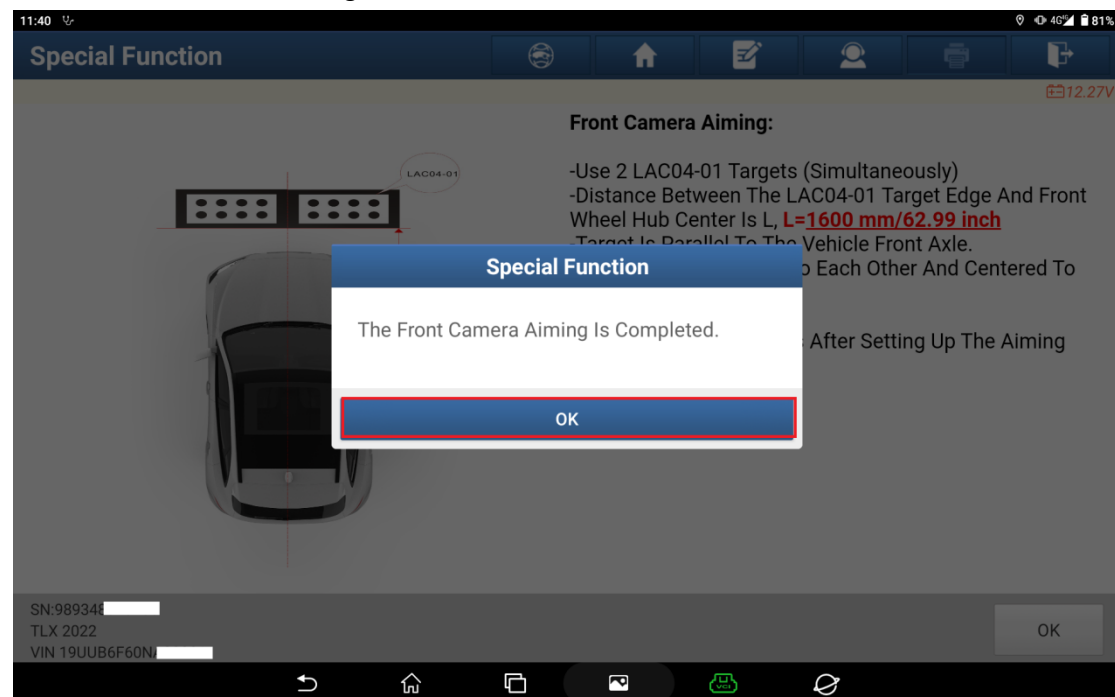
11. Confirm the marker on the vehicle navigation panel and click “YES”.



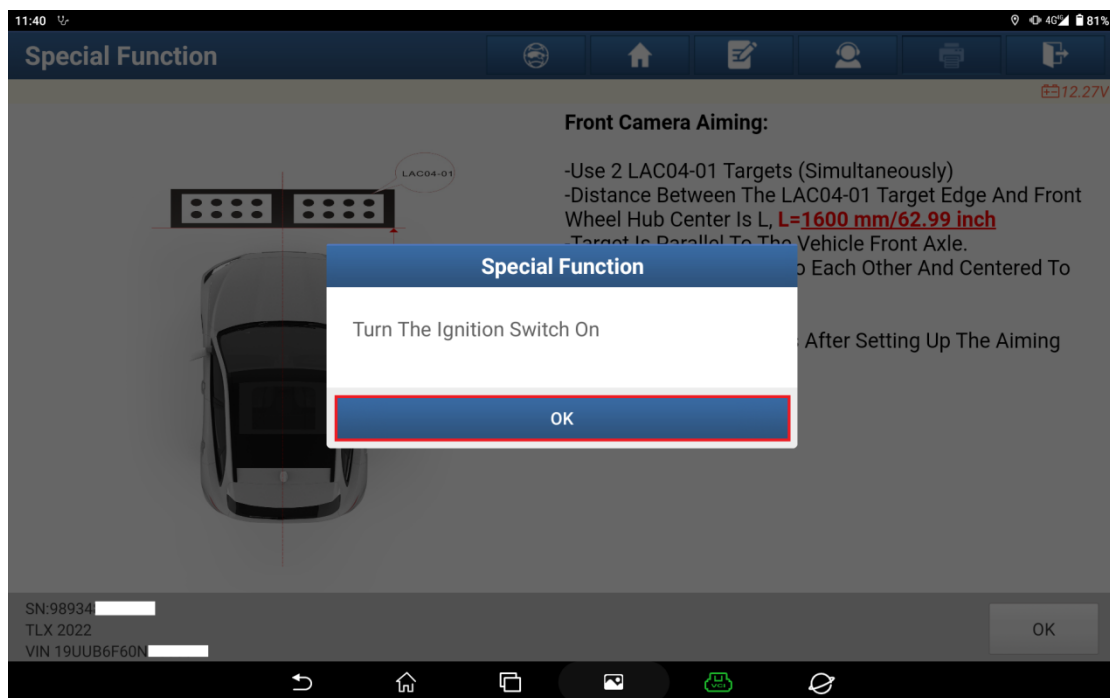
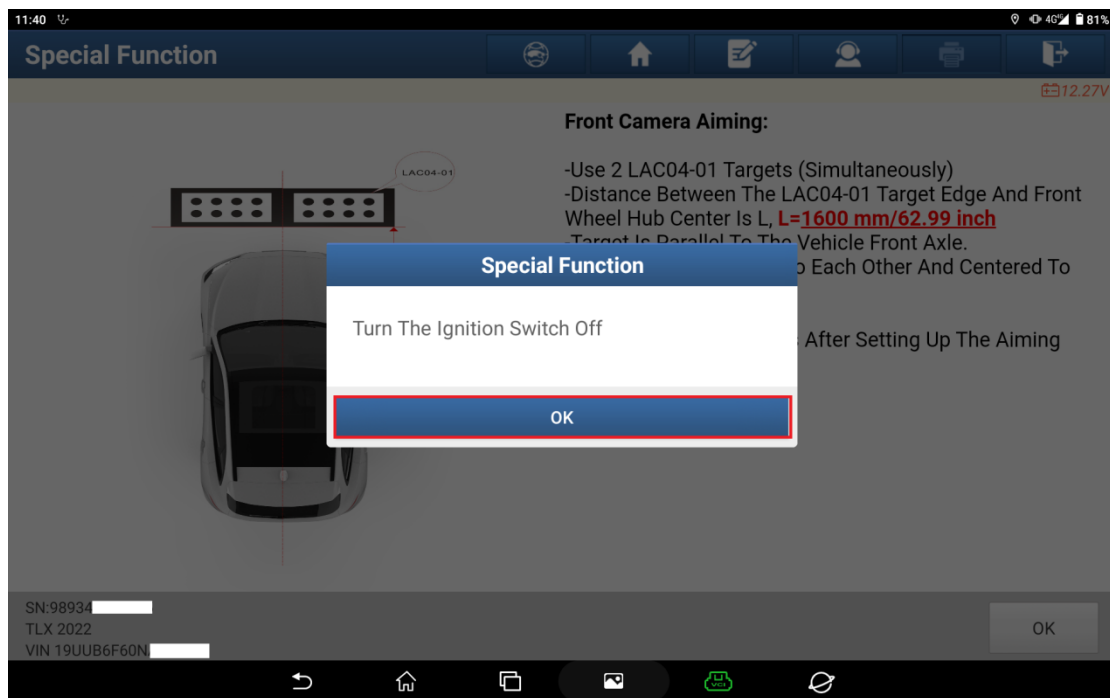
12. Front camera aiming is in progress. Please wait.



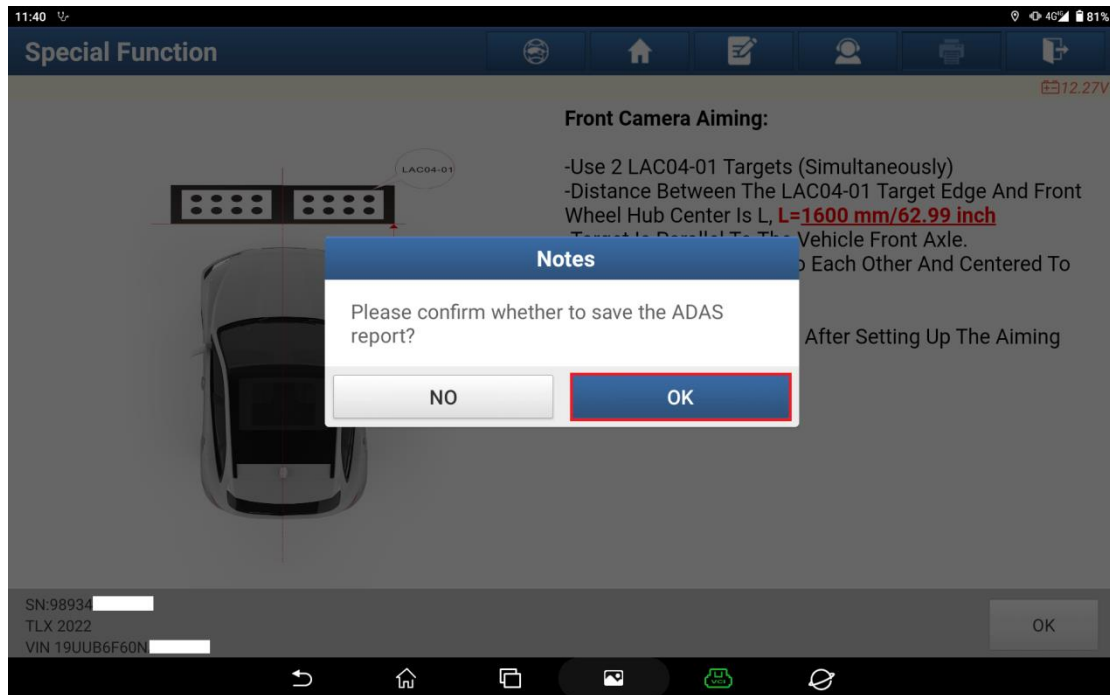
13. Front camera aiming is successful. Click "OK".



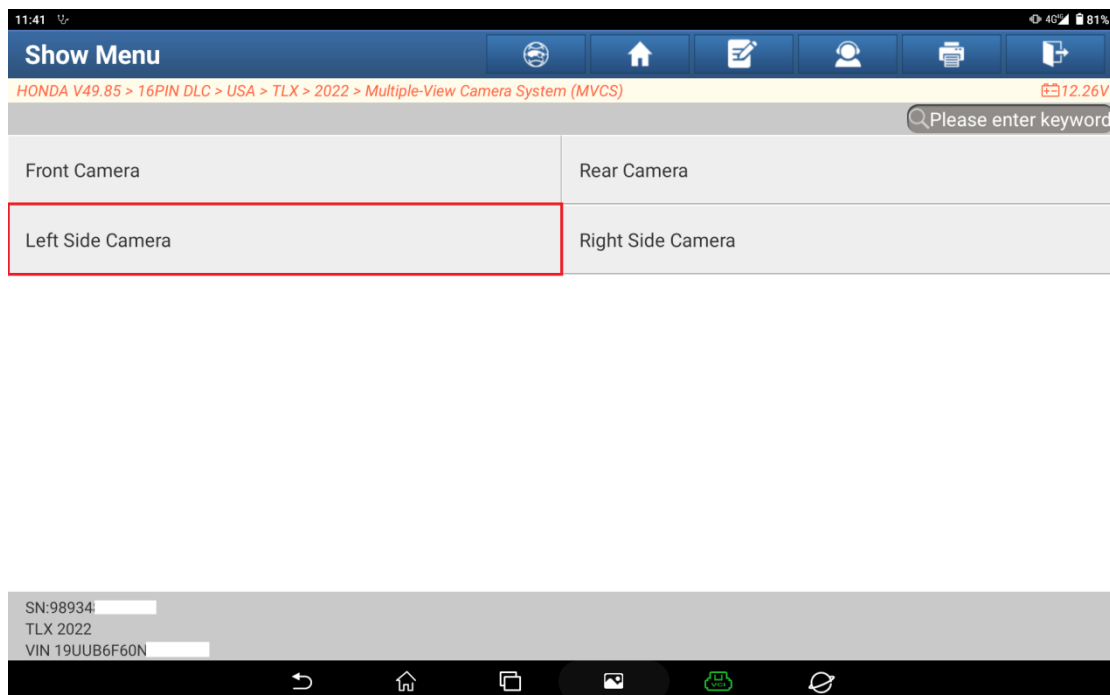
14. Follow the prompts to turn off the ignition switch and then turn it back on.



15. Confirm whether to save the ADAS report based on your requirements.



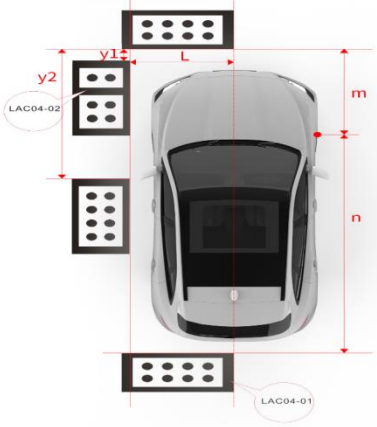
16. The rear camera aiming procedure is similar to that of the front camera. Please refer to the steps above. Choose [Left Side Camera] to begin the left camera aiming process.



17. Position the target as prompted, and then click "OK".

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Special Function



Left Side Camera Aiming:

- Close The Side Mirrors.
- Keep The 2 Left Side LAC04-01 Targets Used For The Alignment Of Front And Rear Cameras, With Position Aligned To The Front And Rear Cameras.
- $m=1600\text{ mm}/62.99\text{ inch}$**
- $n=4300\text{ mm}/169.29\text{ inch}$**
- Use The Other 2 LAC04-01 Targets, Placed To The Left Side Of The Vehicle, And Parallel To The Vehicle Centerline. Distance Between Side Edge And Centerline Is L, **$L=1400\text{ mm}/55.12\text{ inch}$**
- Distance Between The Left Side LAC04-01 Target Edge And Front Camera LAC04-01 Target Edge Is y1, **$y1=500\text{ mm}/19.69\text{ inch}$**
- Use The LAC04-02 Target To Cover The Second Column Of The LAC04-01 Target, Do Not Cover The Border.
- Distance Between The Other Left Side LAC04-01 Target Edge And Front Camera LAC04-01 Target Edge Is y2, **$y2=2500\text{ mm}/98.43\text{ inch}$**

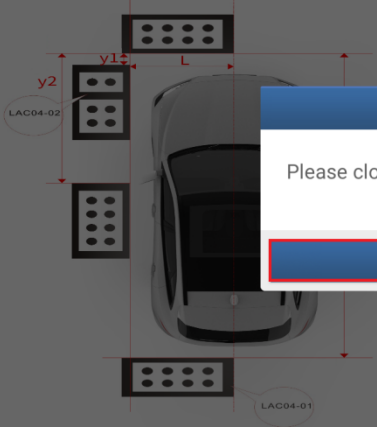
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TLX 2022
VIN 19UUB6F60N

OK

18. Fold in the side mirrors, and then click "OK".

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Special Function



Left Side Camera Aiming:

- Close The Side Mirrors.
- Keep The 2 Left Side LAC04-01 Targets Used For The Alignment Of Front And Rear Cameras, With Position Aligned To The Front And Rear Cameras.
- Use The Other 2 LAC04-01 Targets, Placed To The Left Side Of The Vehicle, And Parallel To The Vehicle Centerline. Distance Between Side Edge And Centerline Is L, **$L=1400\text{ mm}/55.12\text{ inch}$**
- Distance Between The Left Side LAC04-01 Target Edge And Front Camera LAC04-01 Target Edge Is y1, **$y1=500\text{ mm}/19.69\text{ inch}$**
- Use The LAC04-02 Target To Cover The Second Column Of The LAC04-01 Target, Do Not Cover The Border.
- Distance Between The Other Left Side LAC04-01 Target Edge And Front Camera LAC04-01 Target Edge Is y2, **$y2=2500\text{ mm}/98.43\text{ inch}$**

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VIN 19UUB6F60N

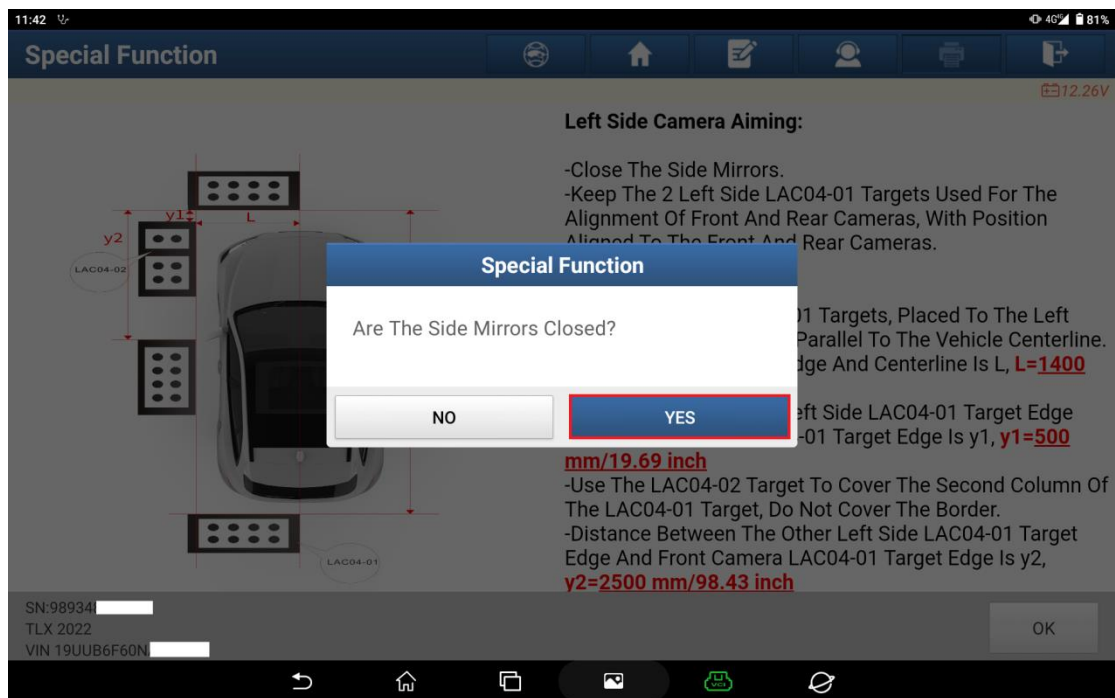
OK

Special Function

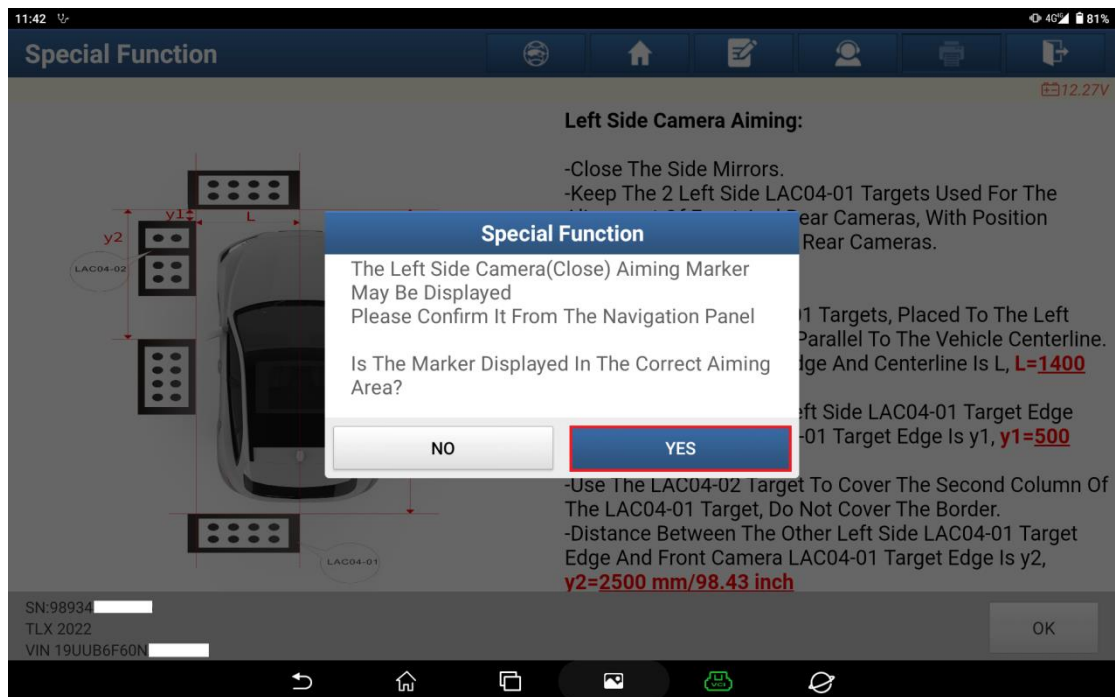
Please close side mirrors.

OK

19. Confirm that the side mirrors are folded in, and then click “YES”.



20. Confirm the marker on the vehicle navigation panel and click “YES”.



Special Function



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Left Side Camera Aiming:

- Close The Side Mirrors.
- Keep The 2 Left Side LAC04-01 Targets Used For The Alignment Of Front And Rear Cameras, With Position Aligned To The Front And Rear Cameras.

Notes

Communicating, Please Wait...

END SESSION

- The Left Side LAC04-01 Targets, Placed To The Left Parallel To The Vehicle Centerline. The Distance Between The Left Side LAC04-01 Target Edge And Centerline Is L, **L=1400 mm/19.69 inch**
- The Left Side LAC04-01 Target Edge Is y1, **y1=500 mm/19.69 inch**
- Use The LAC04-02 Target To Cover The Second Column Of The LAC04-01 Target, Do Not Cover The Border.
- Distance Between The Other Left Side LAC04-01 Target Edge And Front Camera LAC04-01 Target Edge Is y2, **y2=2500 mm/98.43 inch**

OK

Special Function

Turn The Ignition Switch Off

OK

Left Side Camera Aiming:

- Close The Side Mirrors.
- Keep The 2 Left Side LAC04-01 Targets Used For The Alignment Of Front And Rear Cameras, With Position Aligned To The Front And Rear Cameras.

LAC04-02

LAC04-01

L=1400 mm/19.69 inch

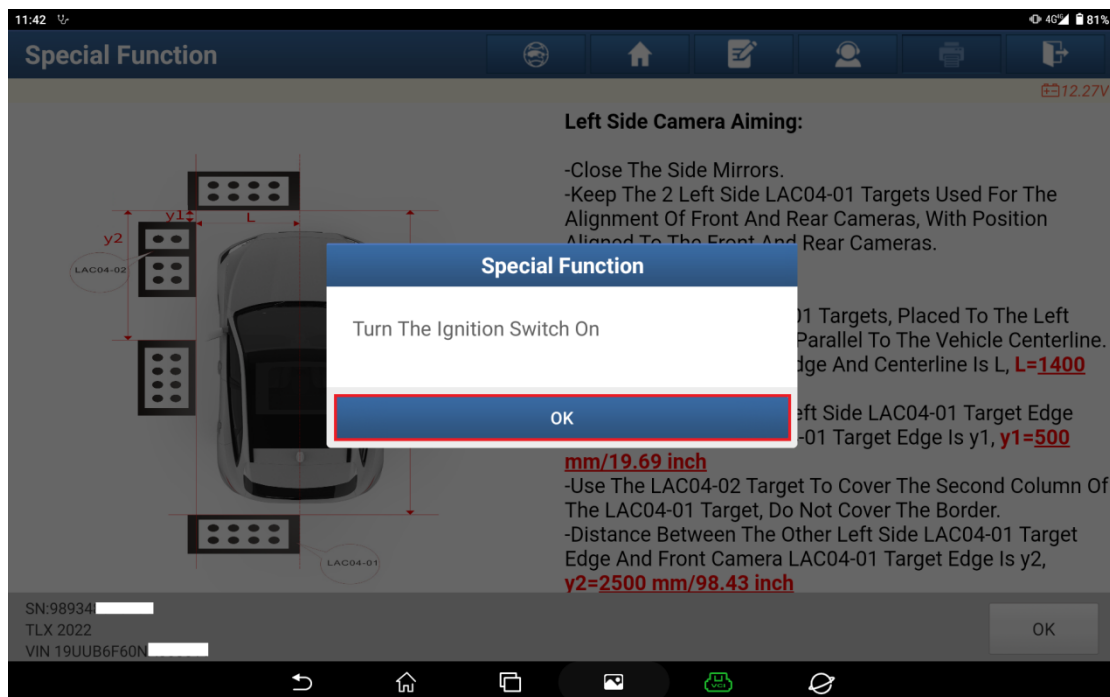
y2=2500 mm/98.43 inch

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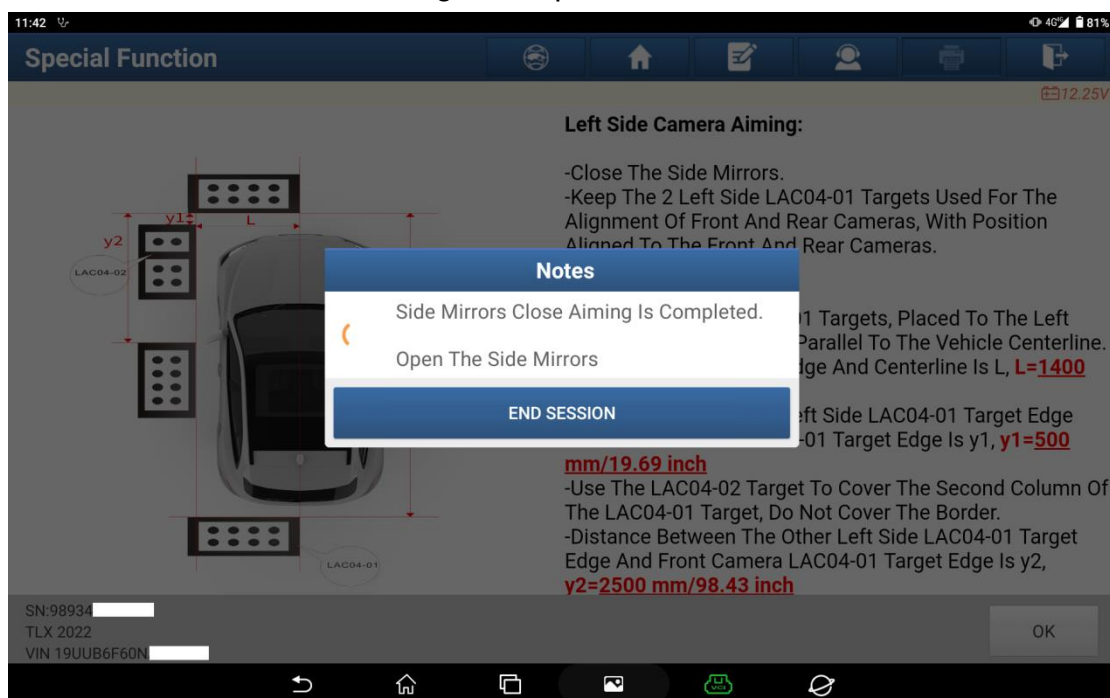
TLX 2022

VIN 19UUB6F60N

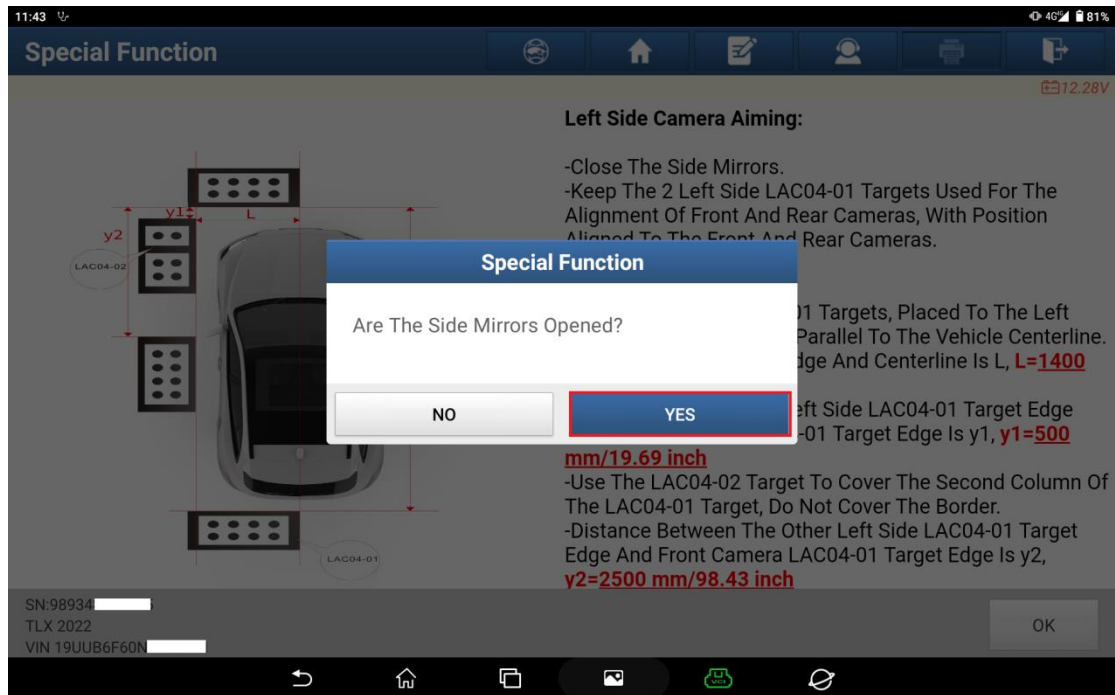
OK



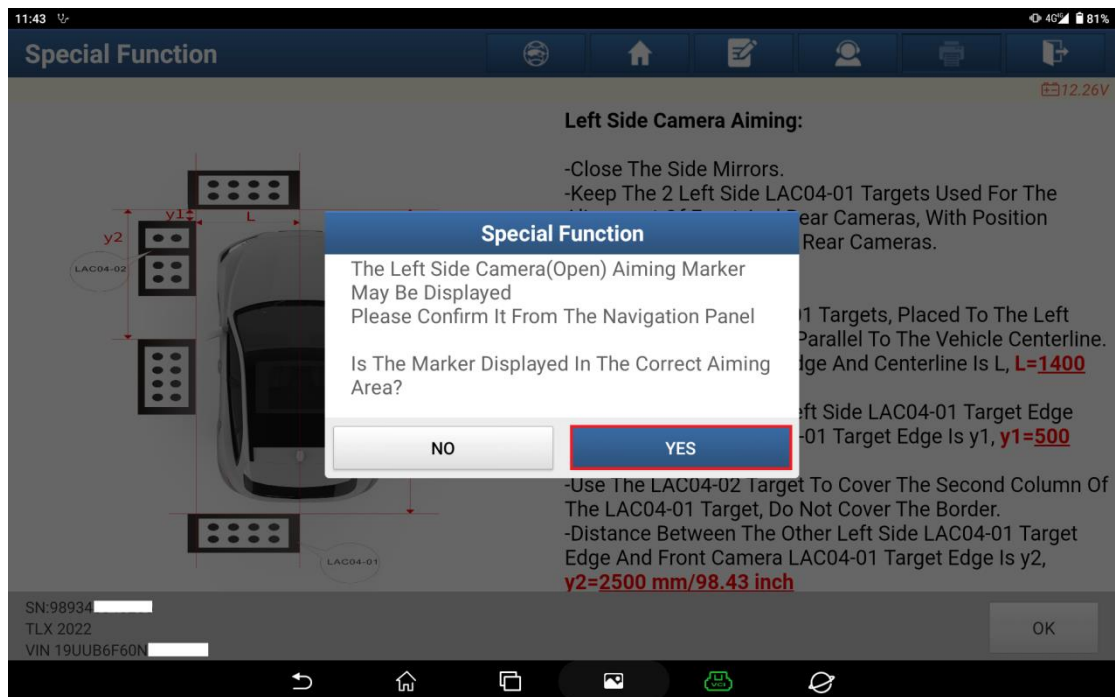
23. Side mirror folded-in aiming is completed. Please unfold the side mirrors.



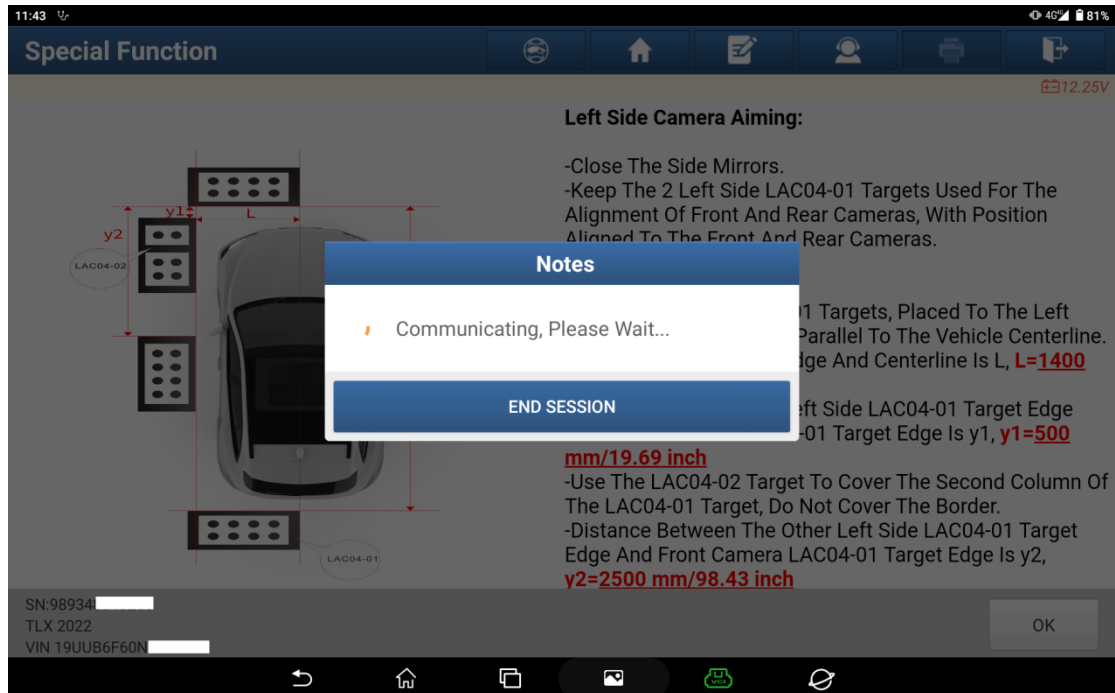
24. Confirm that the side mirrors are unfolded, and then click “YES”.



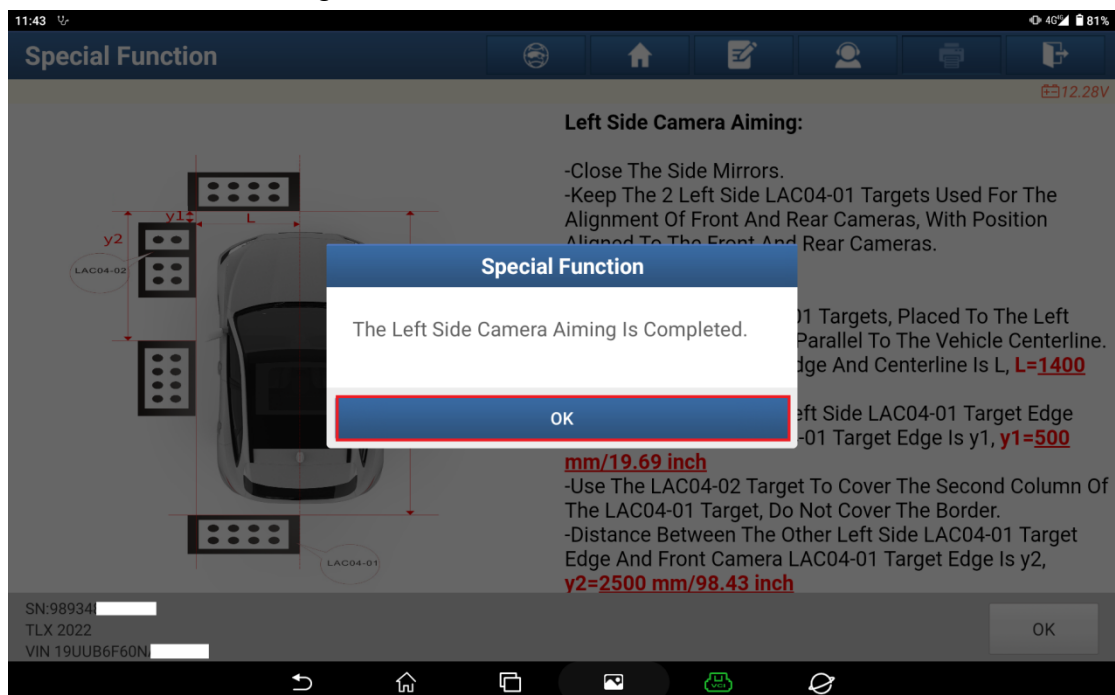
25. Confirm the marker on the vehicle navigation panel and click “YES”.



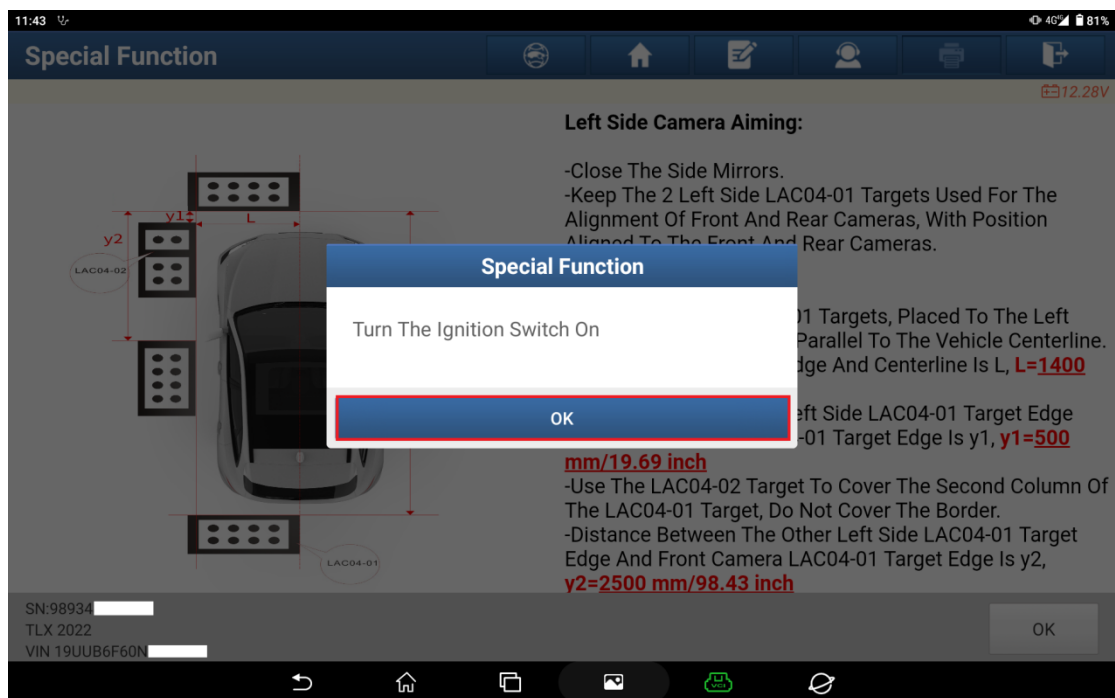
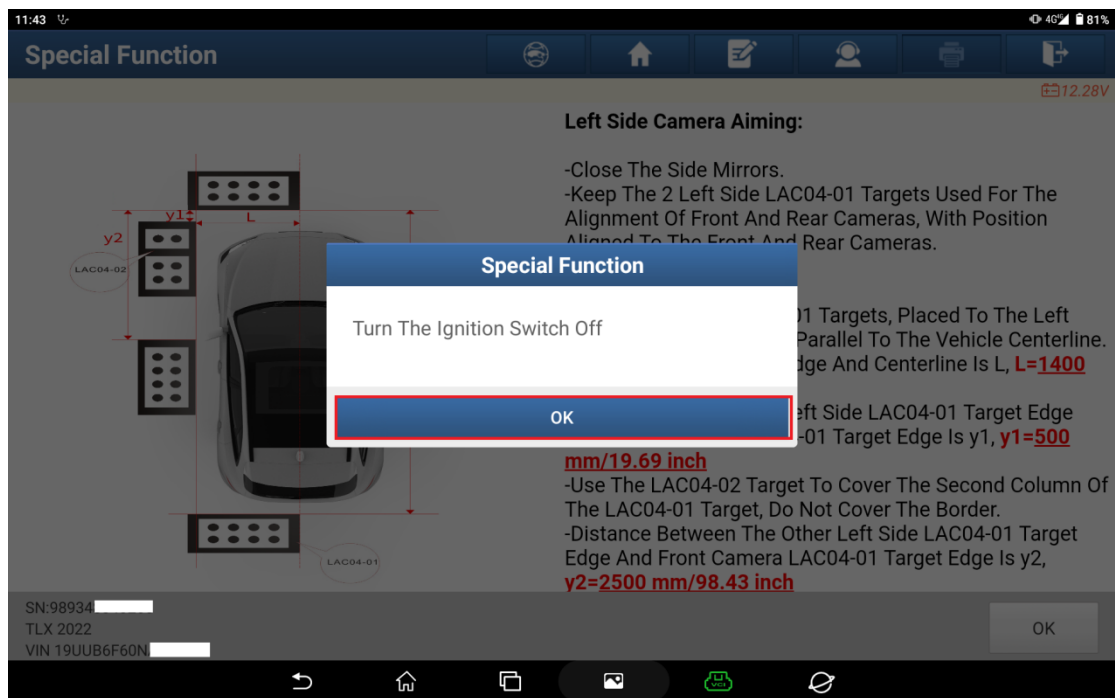
26. Left camera aiming in progress (mirrors unfolded). Please wait. Do not open any vehicle doors during the aiming process.



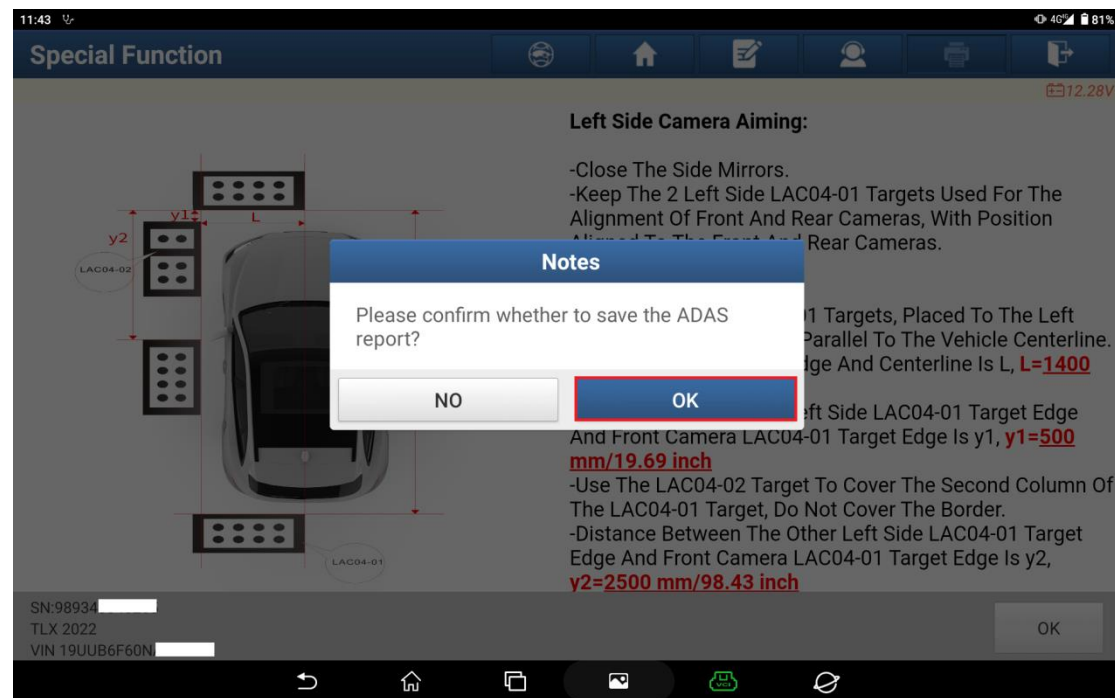
27. Left camera aiming is successful. Click "OK".



28. Follow the prompts to turn off the ignition switch and then turn it back on.



29. Confirm whether to save the ADAS report based on your requirements.



30. The right camera aiming procedure is similar to that of the left camera. Please refer to the steps above. The automatic multiple-view camera aiming process is now completed.

Statement:

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