

HONDA ACCORD 2020 Static Camera Aiming

Tested Model: HONDA ACCORD 2020

Function Description:

This function is used for static camera aiming on Honda vehicles.

Static camera aiming is required in the following situations:

1. The vehicle has the following DTC (all faults unrelated to calibration must be repaired first):
 - B2A60-54 Static Camera Alignment Is Not Completed.
2. After the following component service or replacement work:
 - Removal or replacement of the camera unit or windshield replacement
 - Update to any vehicle height sensor of the electronic suspension or height control system

Supported Equipment:

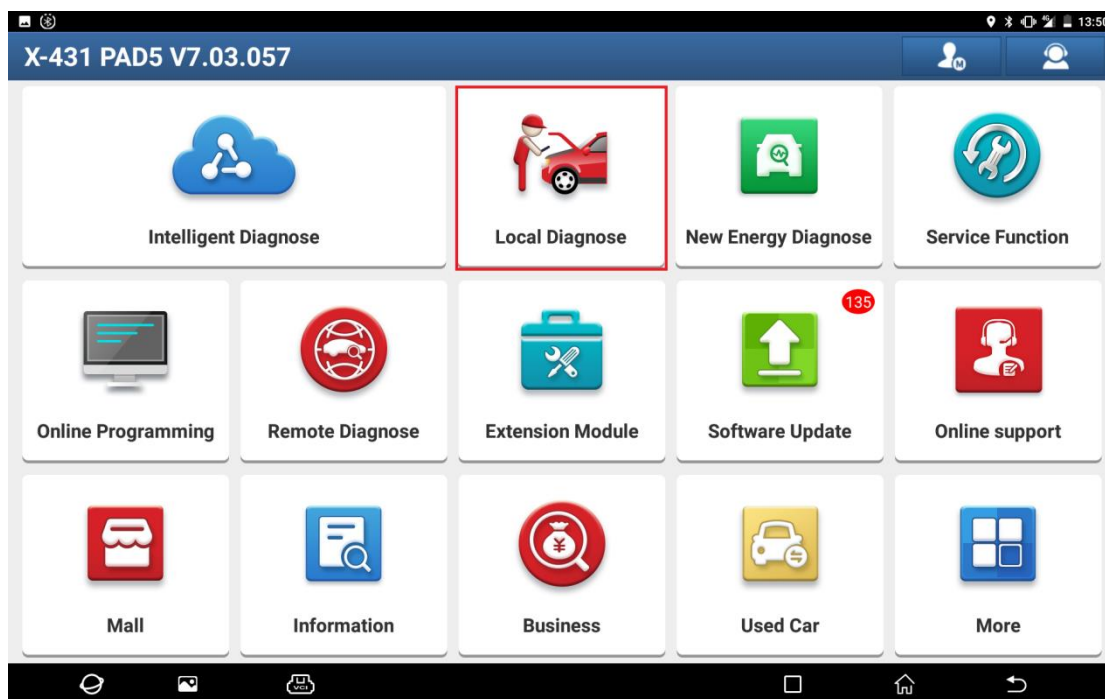
Launch PRO or PAD series comprehensive diagnostic equipment

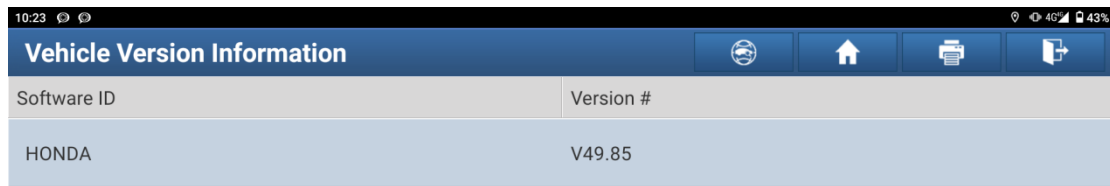
Attention:

- Park the vehicle on a level ground with no load and the steering angle at 0°.
- Ensure that the parking brake is applied.
- Ensure that the vehicle tire pressures are normal.
- Keep the camera lens clean and unobstructed.
- Ensure that the headlights and daytime running lights are turned off, and the vehicle is not facing direct light sources.

Procedure:

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





Software ID	Version #
HONDA	V49.85

Honda Diagnostic Software V49.85

Update

Summary:

- Optimized the software structure. Fixed the DTC reading and clearing functions for the systems such as ICM, IMA, and FC. Added basic functions and special functions for the MVCS (Multi-View Camera System).

New Functions:

- Added basic functions and special functions for the MVCS (Multi-View Camera System).

Optimized Functions:

- Optimized the software structure.

Fixed Bugs:

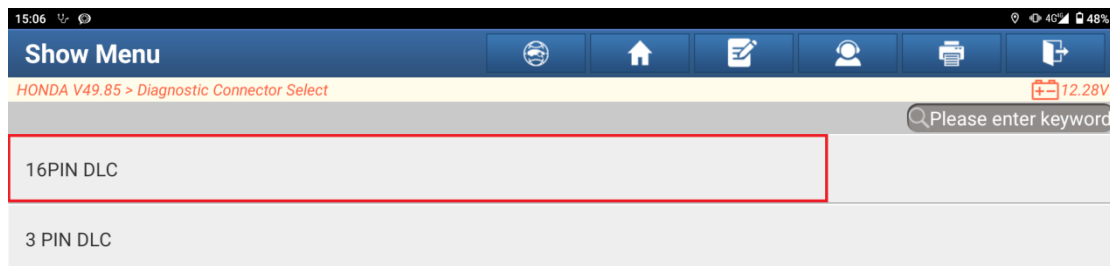
- Fixed the DTC reading and clearing functions for the systems such as ICM, IMA, and FC.

Maintenance Service Update:

- None.

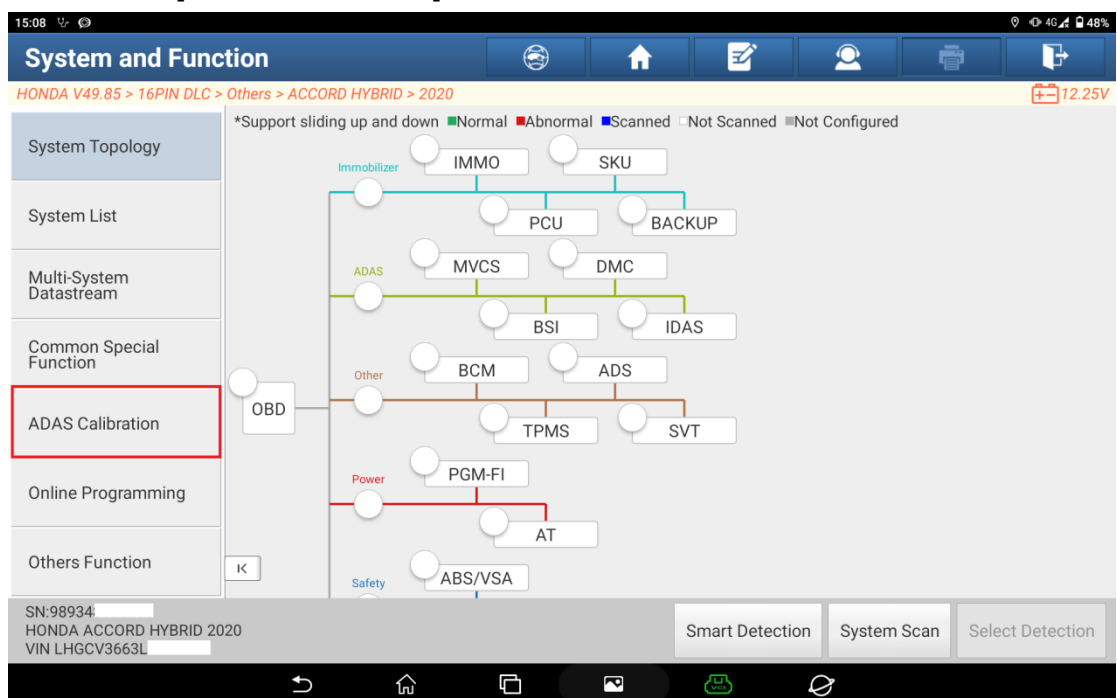


- Click [16PIN DLC], and then choose the region to automatically identify the vehicle model. For this test, choose the [Others] region.





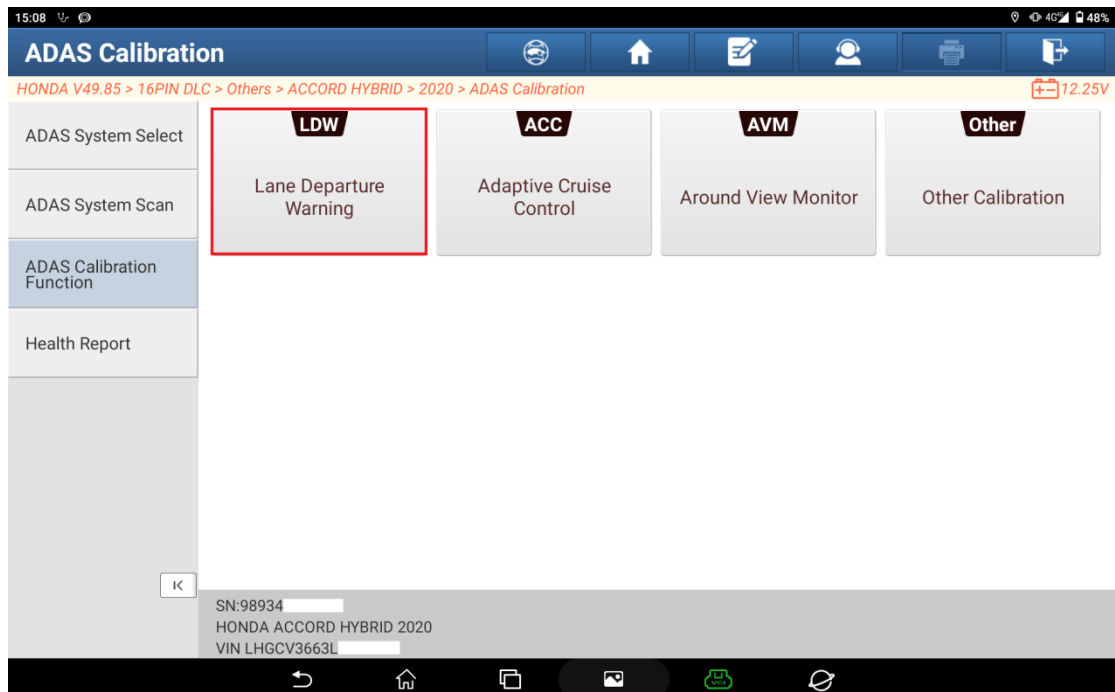
3. Choose [ADAS Calibration].



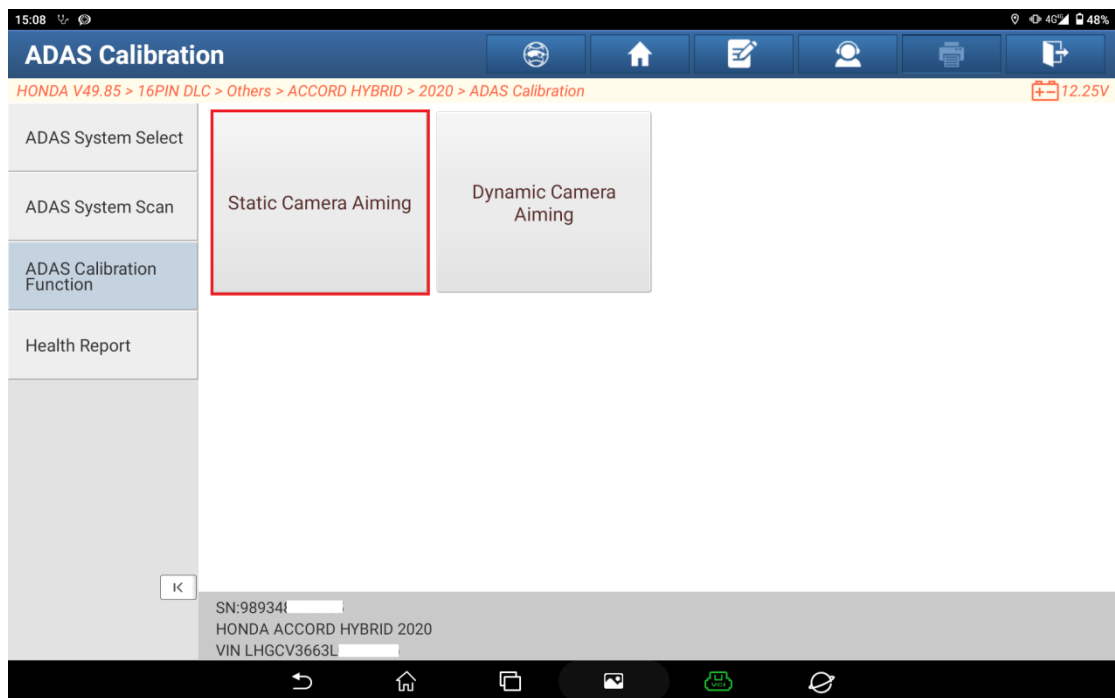
4. Choose [ADAS Calibration Function] to display the ADAS calibration function menu.



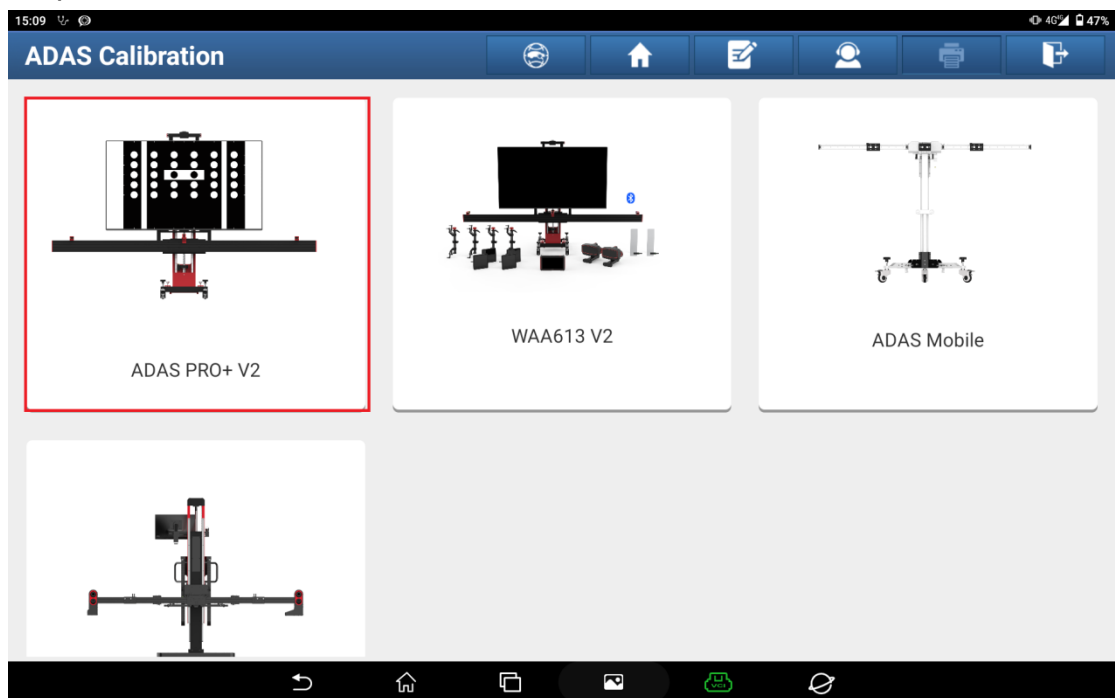
5. Choose [Lane Departure Warning].



6. Choose [Static Camera Aiming] to execute.



7. Choose the ADAS calibration device based on the specific device purchased and used. The ADAS PRO+ V2 device is used for this test.



8. Review the function description and pre-calibration preparation information. Once the vehicle status and site conditions meet the requirements, click "Next Step".

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Special Function

HONDA V49.85 > 16PIN DLC > Others > ACCORD HYBRID > 2020 > ADAS Calibration 12.26V

Calibration Required:

- Front Camera/ECU Replaced.
- The Windscreen Replaced.
- Structural Changes/Adjustments On The Chassis.
- Level Sensor Replaced.
- The Fault Code Exist.

Pre-Calibration Preparation:

- Park The Vehicle With All Four Wheels On A Flat Surface Without Any Addition Load, The Steering Angle Is Set To Zero.
- All Vehicle Doors Must Be Closed.
- The Tire Pressure Is Set To Standard Value.
- The Headlamps Must Be Turned Off.
- The Ignition Must Be Switched On.
- The Visual Field Of The Camera Is Free And Clean.
- The Surrounding Area Is Sufficiently Bright, No Reflective Or Shiny Objects Around The Target.

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9. Confirm that faults unrelated to calibration have been repaired and cleared. Then, click "Next Step".

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Special Function

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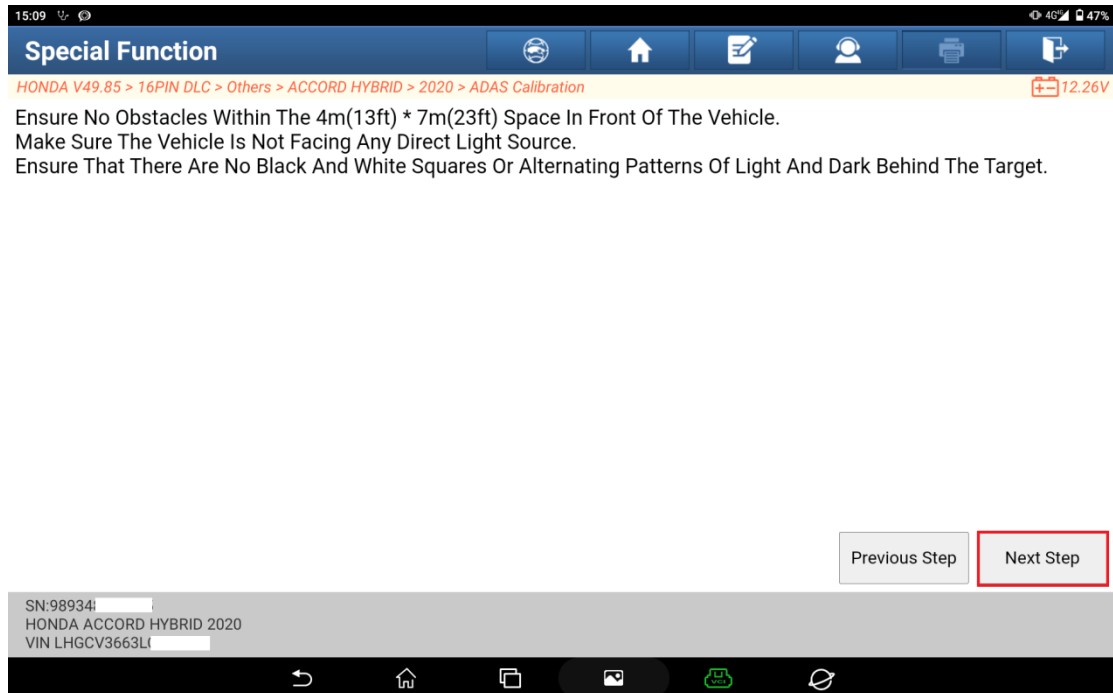
If The Calibration Process Is Not Completed Correctly, The LKAS And ACC Indicator Lights Shall Go On. If A DTC Presents, Please Clear The DTC First.
But, If The Following DTCs Occur, Please Continue The Execution:

- DTC B2A60-54: Static Camera Alignment Is Not Completed.

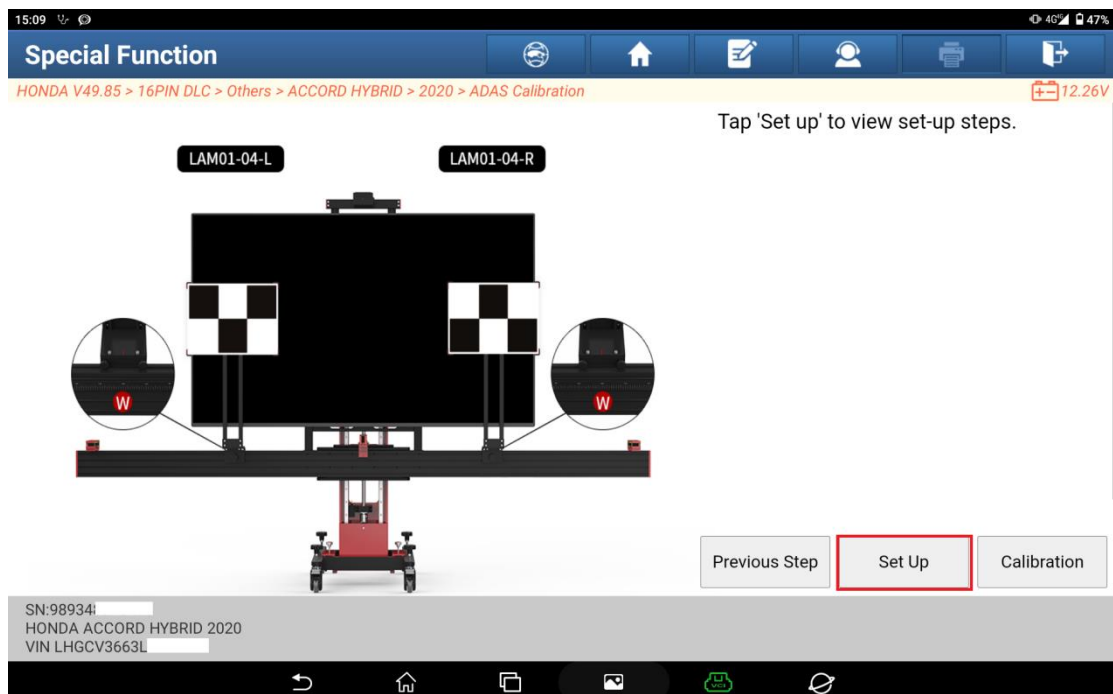
Previous Step Next Step

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10. Confirm that there are no obstacles in front of the vehicle and the vehicle is not facing any direct light source. Then, click "Next Step".



11. Click "Set Up" to view the setup steps for the target device. If the target device is correctly installed, click the "Calibration" button to start camera aiming.



12. Reset the device (return the components marked in the illustrations to their original positions), and then click "Next Step".

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Special Function

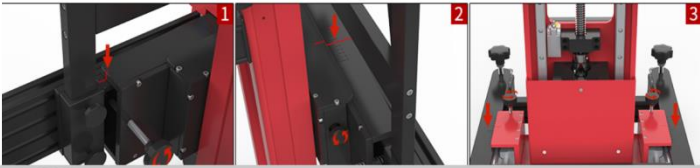
HONDA V49.85 > 16PIN DLC > Others > ACCORD HYBRID > 2020 > ADAS Calibration 12.26V



Reset the device

Check the following positions and reset.

1. Parallel fine-tuning position
2. Left and right fine-tuning position
3. Front and rear fine-tuning position



Back Next Step

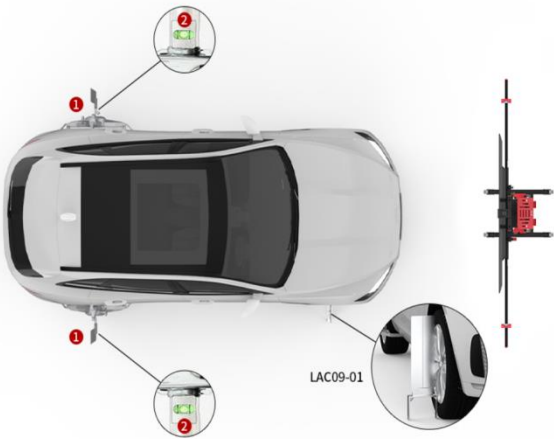
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13. Install the wheel clamp and ranging panel according to the illustrations and text instructions, and then click "Next Step".

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Special Function

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Install the wheel clamp and ranging panel

1. Install the wheel clamp (1) on vehicle left and right rear wheels, and ensure the spirit level (1).
2. Place the **Ranging panel LAC09-01** on the center of vehicle front wheel and make sure it is perpendicular to vehicle body.

Previous Step Next Step

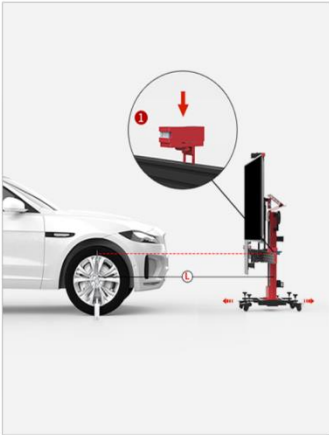
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14. Determine the distance of device placement according to the illustrations and text instructions, confirm that the value of rangefinder matches the value shown in the prompt, and then click "Next Step".

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Special Function

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Determine the distance of device placement

1. Install and turn on the **Central laser LAC09-02**, place the device in front of the vehicle so that the laser beam irradiates on the center of vehicle.
2. Install the rangefinder (1) on the beam, the rangefinder (1) is on the same side as **the Ranging panel LAC09-01**, turn on the rangefinder so that the laser spot irradiates on **the Ranging panel LAC09-01**.
3. Move the device back and forth to make the value of rangefinder (1) is L, **L=4045 mm/159.25 inch**.

Note: If the laser spot cannot be irradiated on the ranging panel, click the button below.

Previous Step
Next Step

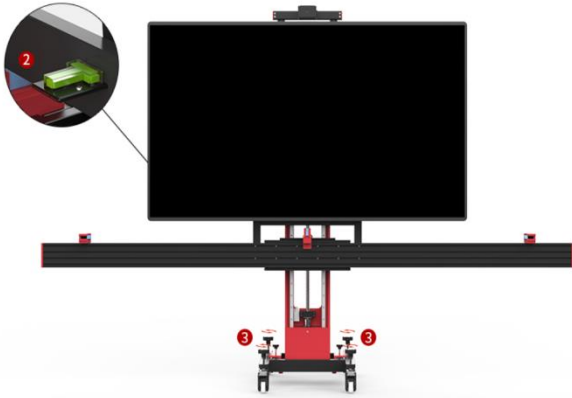
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15. Level and secure the device, and then click "Next Step".

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Special Function

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Determine the distance of device placement

4. Observe the spirit level (2), turn the base adjustment knob (3), adjust the device to level and lock the moving wheel.

Previous Step
Next Step

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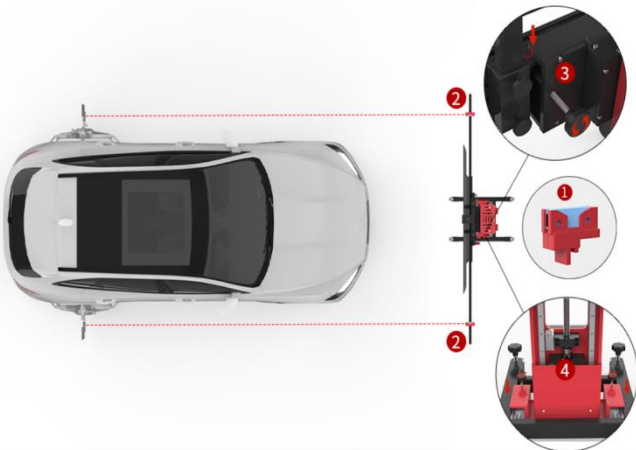
16. Adjust the device to be parallel to the vehicle according to the illustrations and text instructions, and then click "Next Step".

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Special Function

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Adjust the device to be parallel to the vehicle and centered



1. Turn on and move the rangefinder (2) on both sides of the beam so that the laser spot irradiates on the wheel clamp panel.
2. Adjust the parallel fine-tuning knob (3) to make the values of rangefinder (2) on both sides consistent (allowed tolerance: +/-1mm).
3. Check if the value of rangefinder (1) is still L, **L=4045 mm/159.25 inch**. If not, it can be adjusted by unlocking the front and rear fine-tuning knob (4).

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17. Align the laser beam with the center of the vehicle according to the illustrations and text instructions, and then click "Next Step".

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Special Function

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Adjust the device to be parallel to the vehicle and centered



4. Adjust the left and right fine-tuning knob (1) to make the laser beam of **Center laser LAC09-02** irradiates on the center of vehicle.
5. Turn off and remove the **Center laser LAC09-02**.

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18. Adjust the height, confirm that the value of height rangefinder matches the value shown in the prompt, and then click "Next Step".

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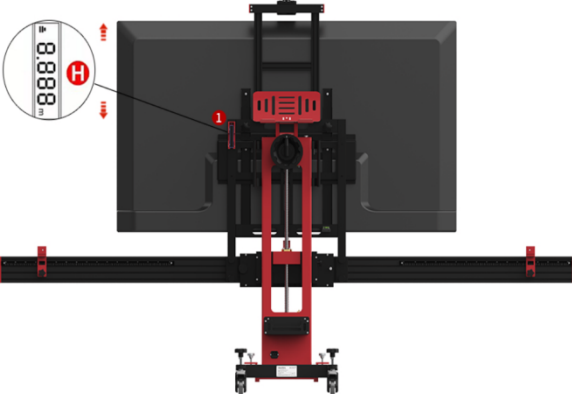
Special Function

HONDA V49.85 > 16PIN DLC > Others > ACCORD HYBRID > 2020 > ADAS Calibration 12.26V

Adjust the height

1. Turn on the height range finder (1) and adjust the device height so that the value of height range finder (1) is H, **H=1500 mm/59.06 inch.**

Note: Please make sure that the laser irradiation area is free of water stains and other reflective objects that affect the measurement results.



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19. Install the target bracket and target, and then click "OK".

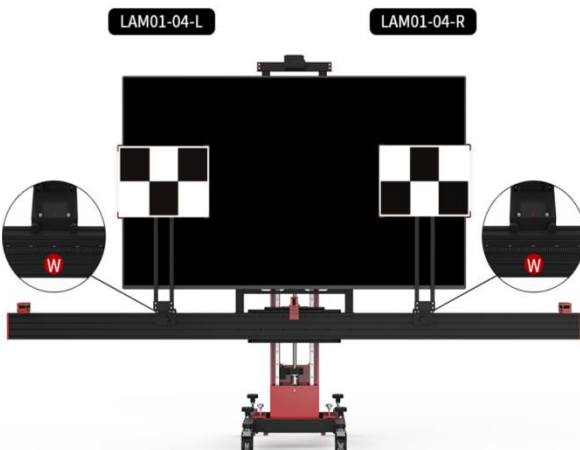
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Special Function

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Install the target bracket and target

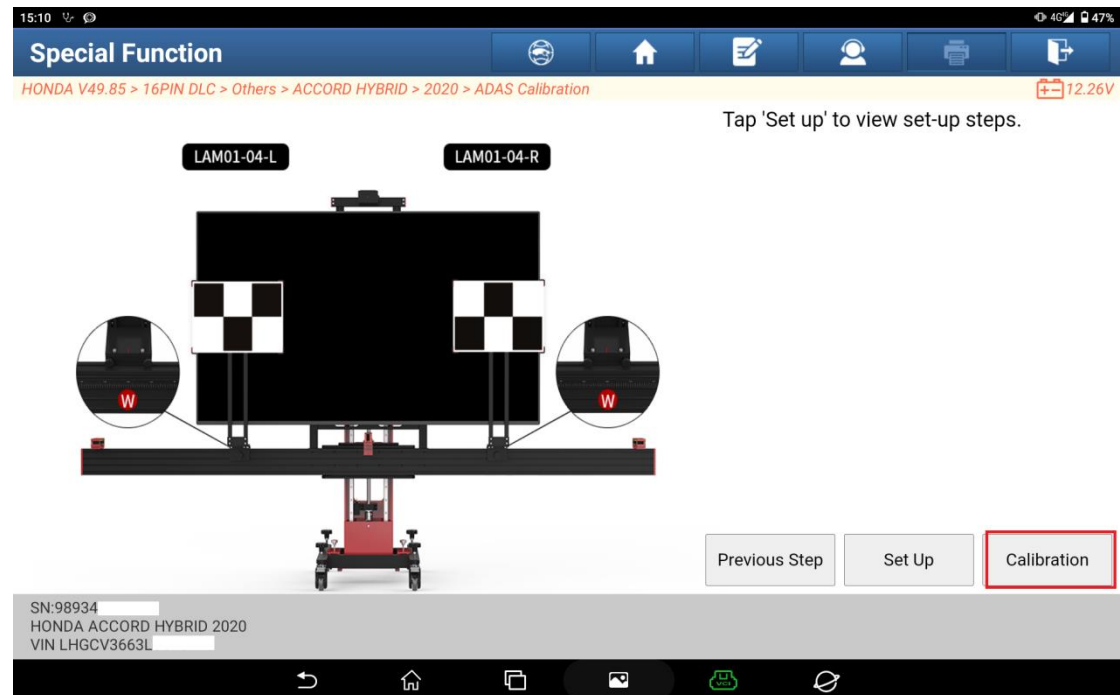
1. Place the target bracket on the beam, with its scales aligned at position W, **W=630 mm/24.80 inch.**
2. Use target **LAM01-04-L** and **LAM01-04-R**. Install the targets on the left and right target brackets.



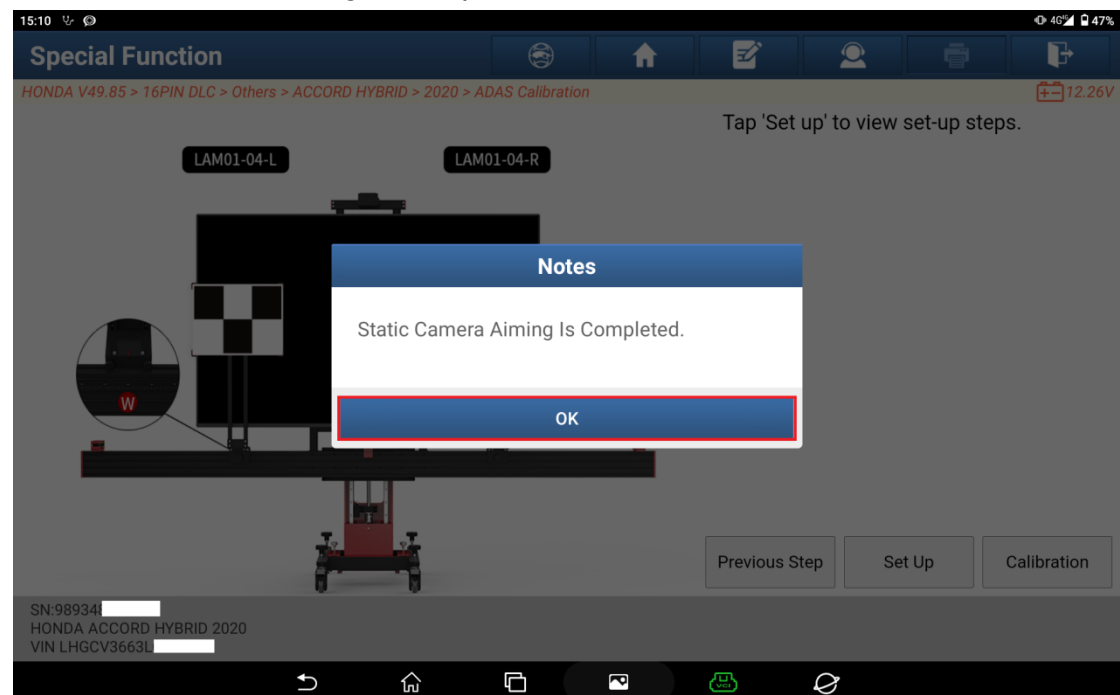
Previous Step Ok

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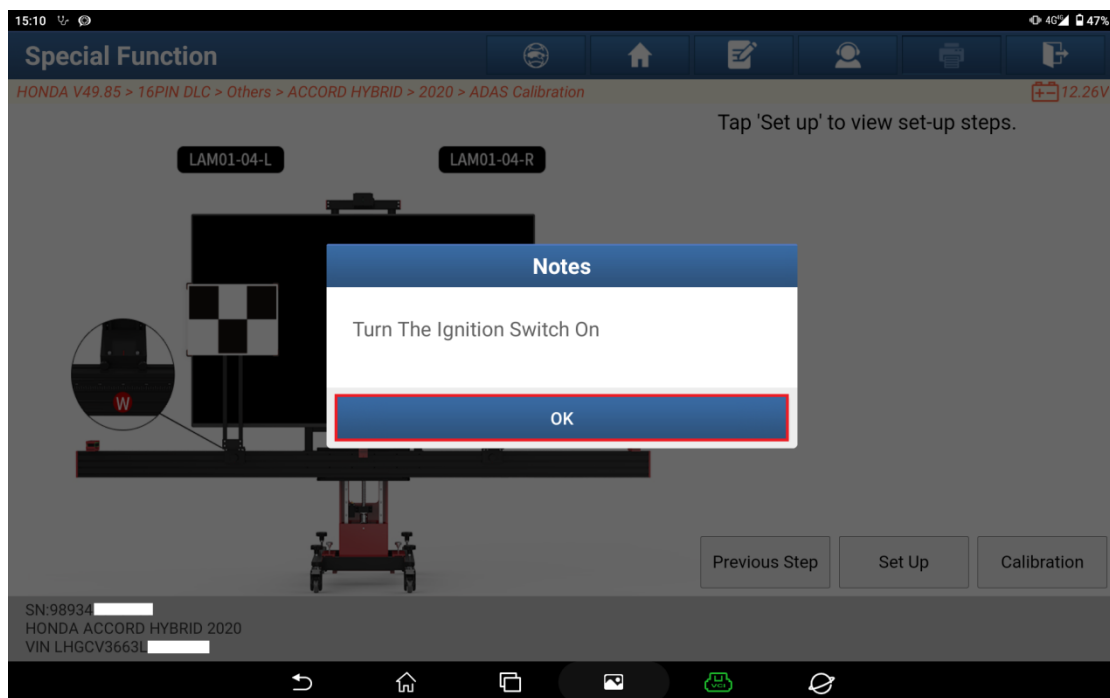
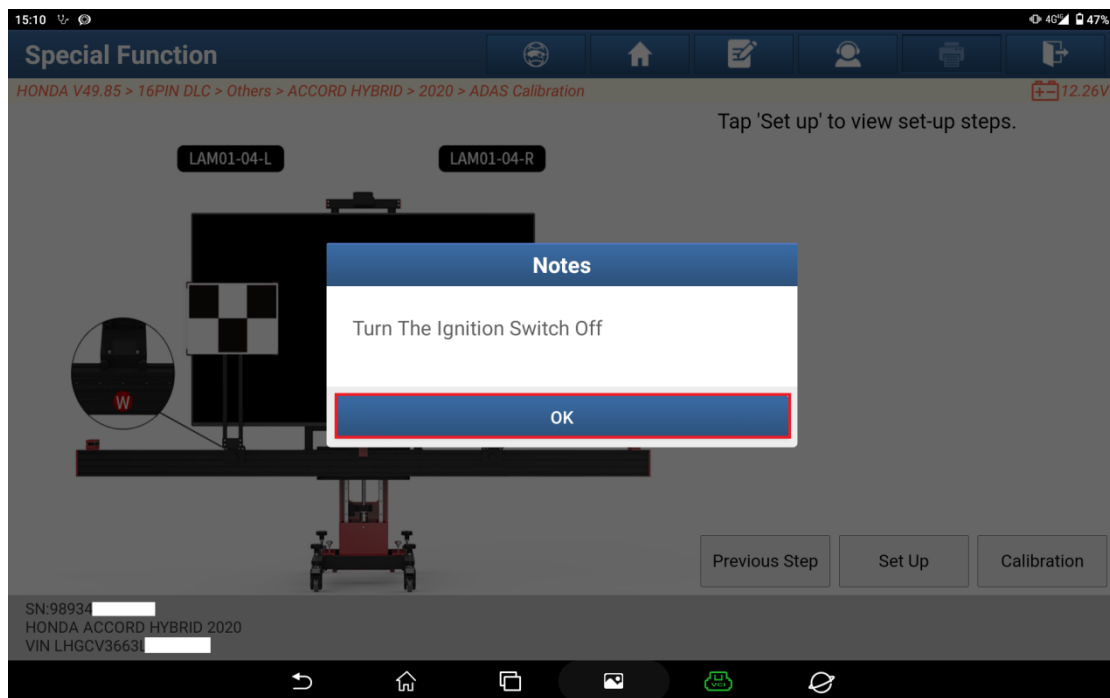
20. After the target device is installed and positioned, click the "Calibration" button to start camera aiming.



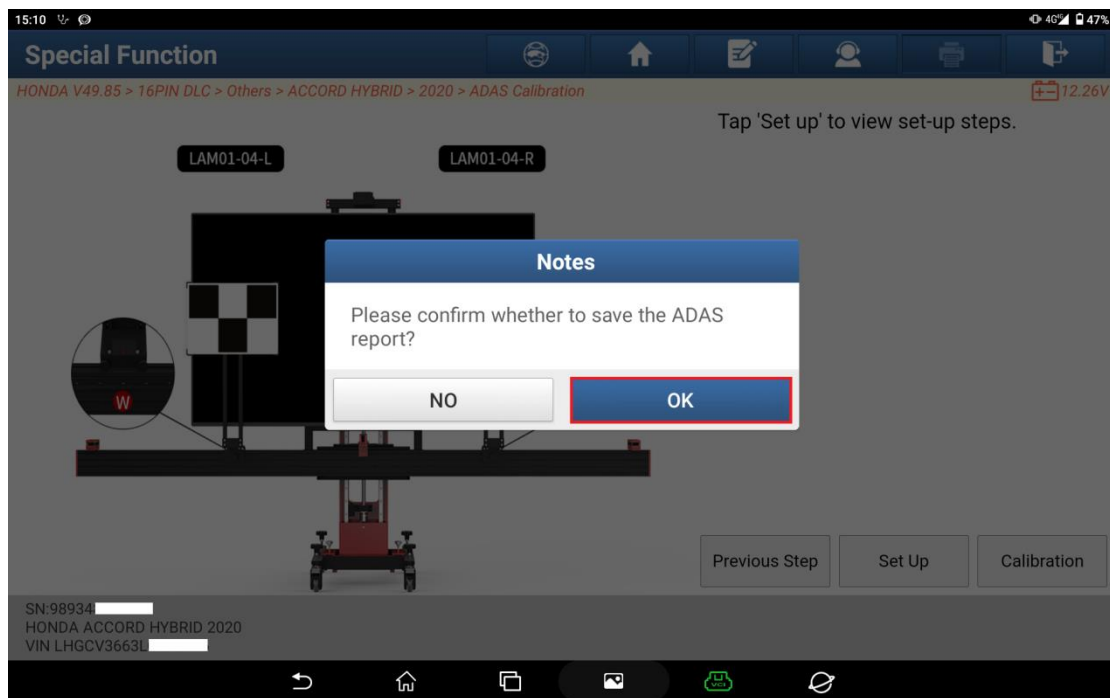
21. Static camera aiming is completed. Click "OK".



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



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



24. Front camera calibration for HONDA ACCORD 2020 is completed. This vehicle does not require dynamic calibration.

Statement:

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