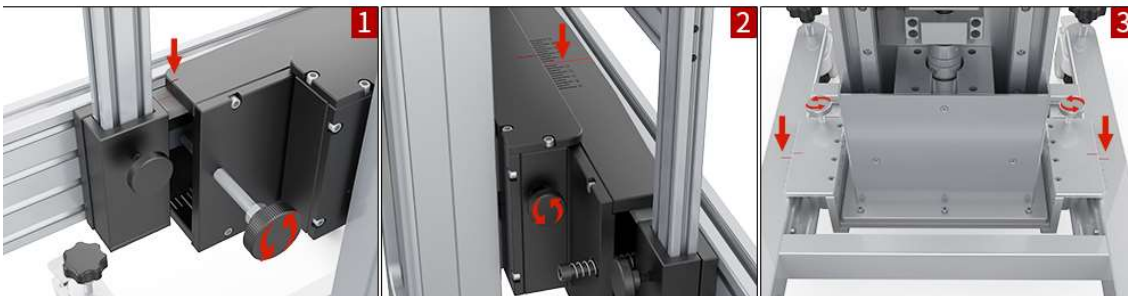


Operation Steps

Step 1 -- Reset the device

Check the following positions and reset.

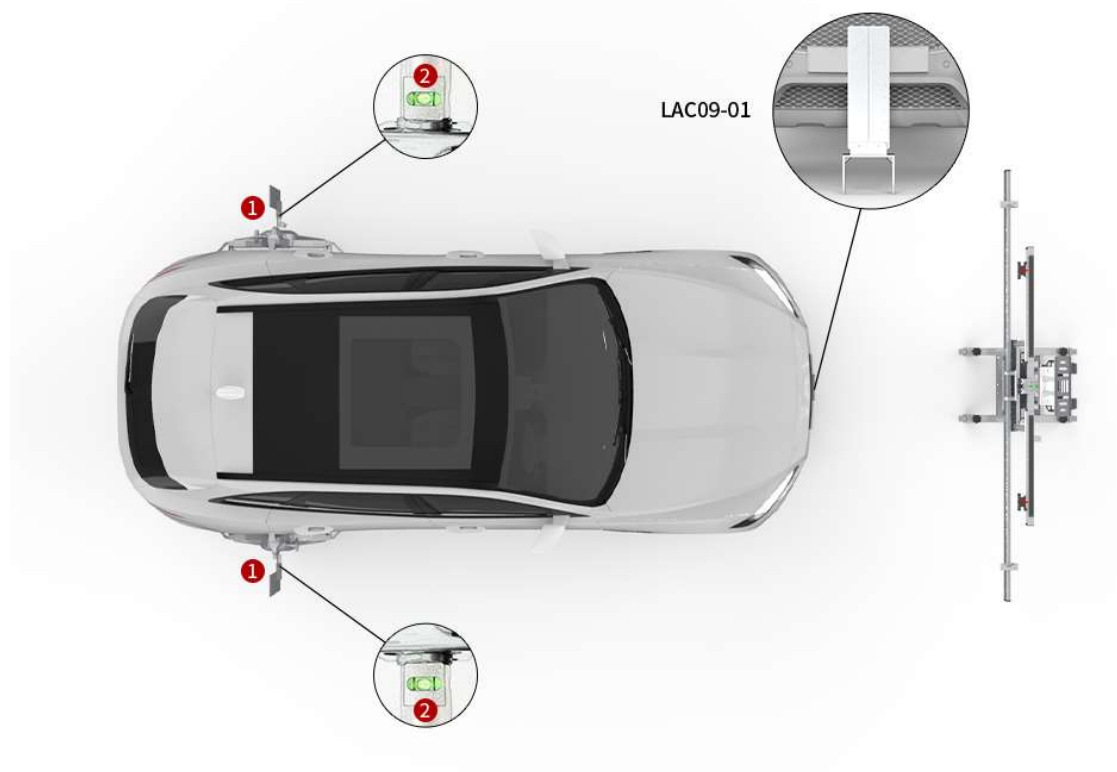
- ① Parallel fine-tuning position
- ② Left and right fine-tuning position
- ③ Front and rear fine-tuning position



Operation Steps

Step 2 -- Condition 1

The method of measuring from vehicle head to target



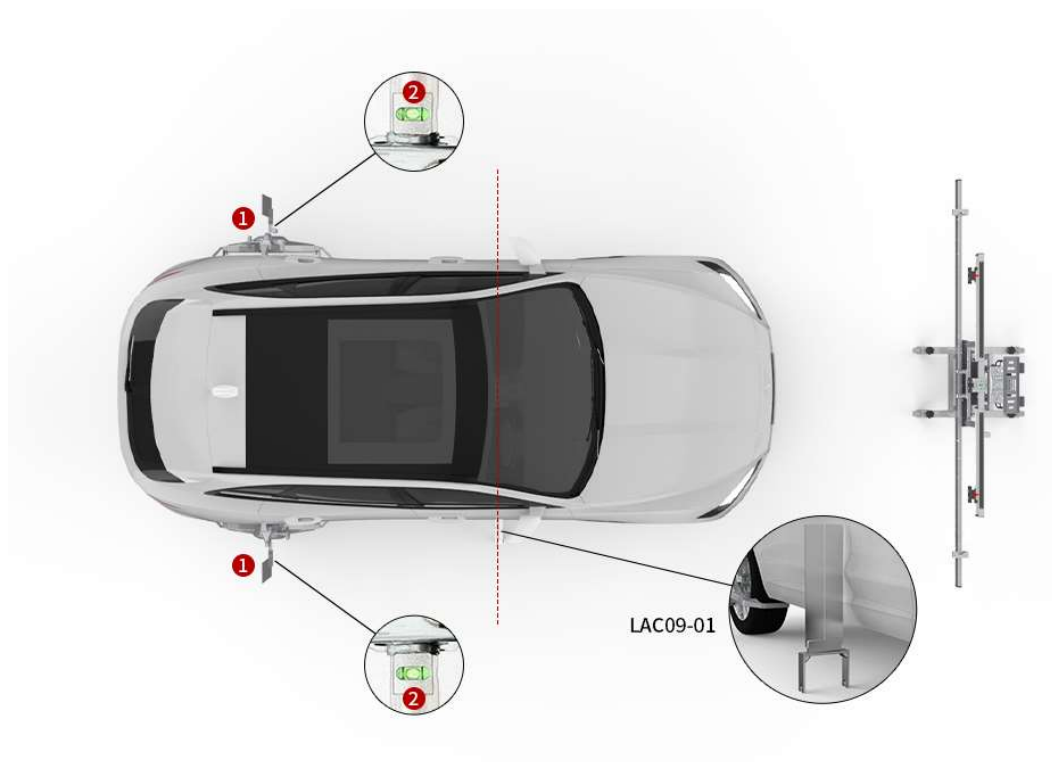
Install the wheel clamp and ranging panel

1. Install the wheel clamp ① on vehicle left and right rear wheels, and ensure that the spirit level ② is centered.
2. Place **Ranging panel LAC09-01** in front of vehicle and make sure it is close to the bumper and parallel to vehicle.

Operation Steps

Step 2 -- Condition 2

The method of measuring from camera to target



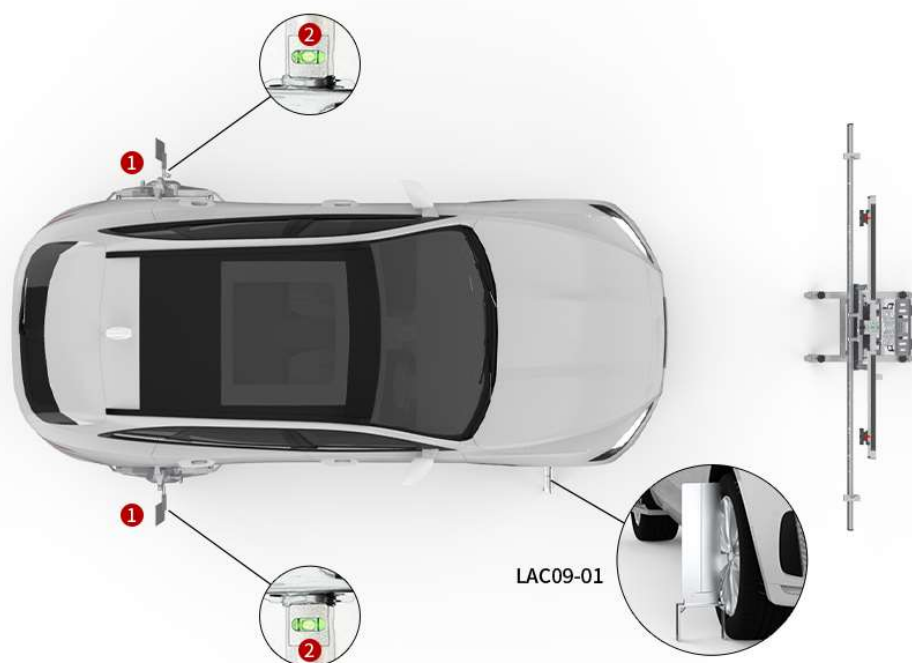
Install the wheel clamp and ranging panel

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

Operation Steps

Step 2 -- Condition 3

The method of measuring from the front wheel to target



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 ②.
2. Place **Ranging panel LAC09-01** on the center of the vehicle front wheel and make sure it is perpendicular to the front wheel.

Operation Steps

Step 3 -- Determine the distance of device placement



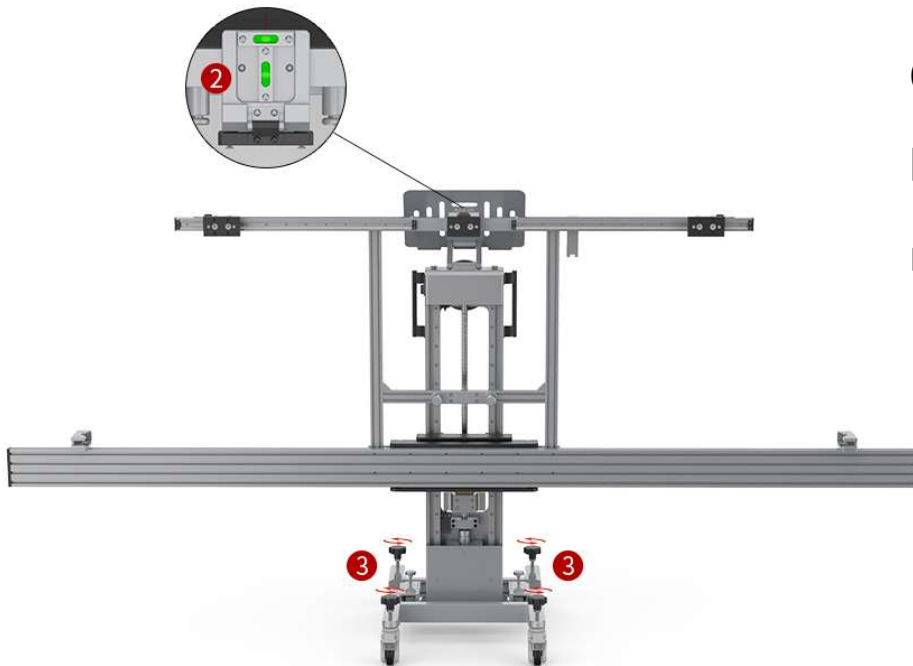
1. Install **Central laser LAC09-02** on **Mounting plate LAC09-03** and turn on the laser, place the device in front of the vehicle so that the laser beam irradiates on the center of vehicle.
2. Install the rangefinder ① on the middle of the beam, turn on the rangefinder so that the laser spot irradiates on **Ranging panel LAC09-01**.
3. Move the device back and forth to make the value of rangefinder ① is L , $L = \underline{\hspace{2cm}}$ mm.

Note: If the laser spot cannot be irradiated on the ranging panel, adjust the device height.

Operation Steps

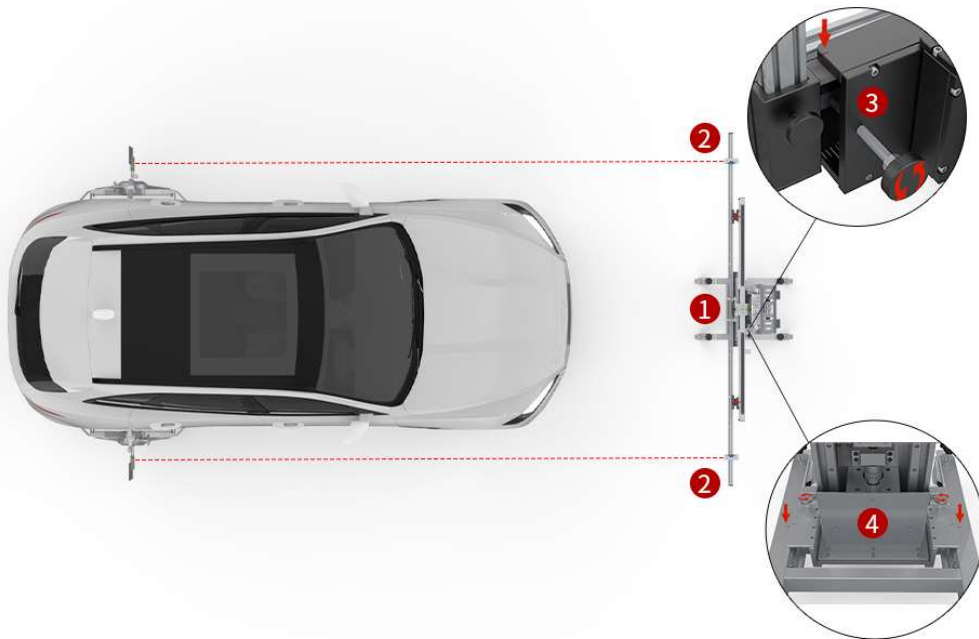
Step 4

Observe the spirit level ②, turn the base adjustment knob ③, adjust the device to the level and lock the moving wheels.



Operation Steps

Step 5 -- 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: $\pm 1\text{mm}$).
3. Check if the value of rangefinder ① is still L, $L = \text{_____mm}$, If not, it can be adjusted by the front and rear fine-tuning knob ④.

Operation Steps

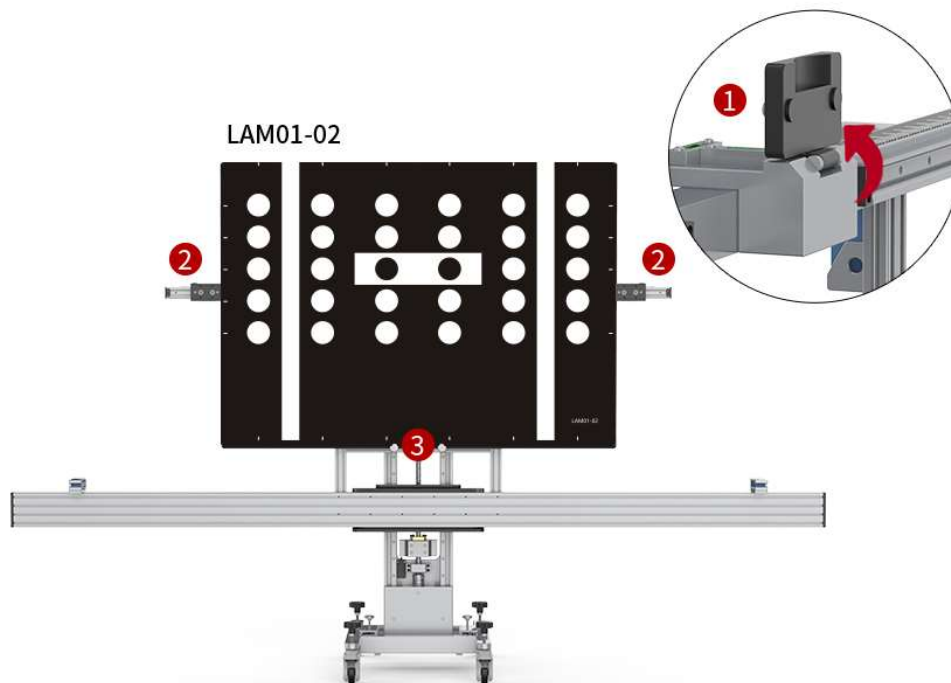
Step 6 -- Adjust the device to be parallel to the vehicle and centered



1. 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.
2. Turn off and remove the Center laser LAC09-02.

Operation Steps

Step 7 -- Install the target

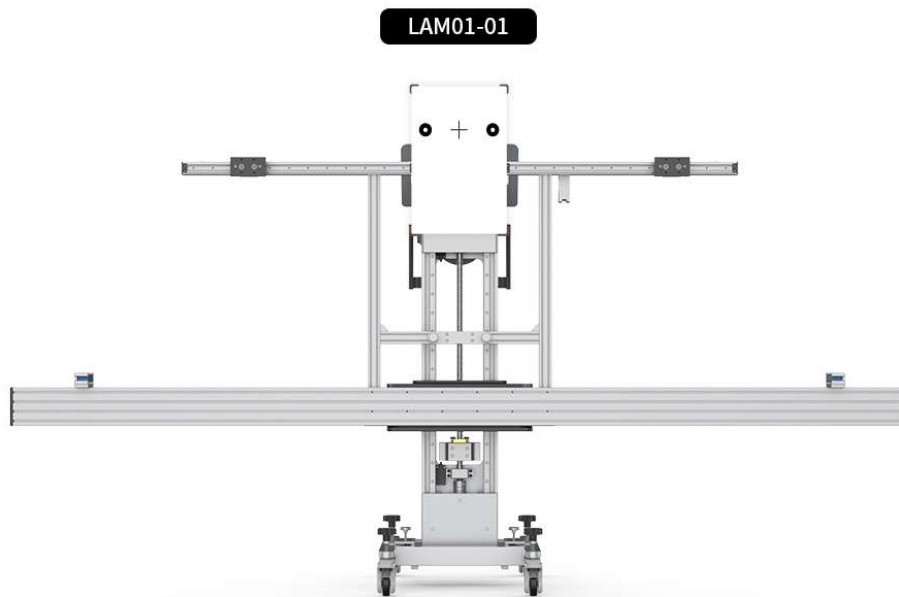


Big Target

1. Turn up the middle hanging plate ① of target support, and move the left and right sliding blocks ② to both sides.
2. Use the LAM01-_____ target, align the groove on the bottom of target with the support rod clamping position ③, and lock and fix the target through the left and right sliding blocks ②.

Operation Steps

Step 7 -- Install the target

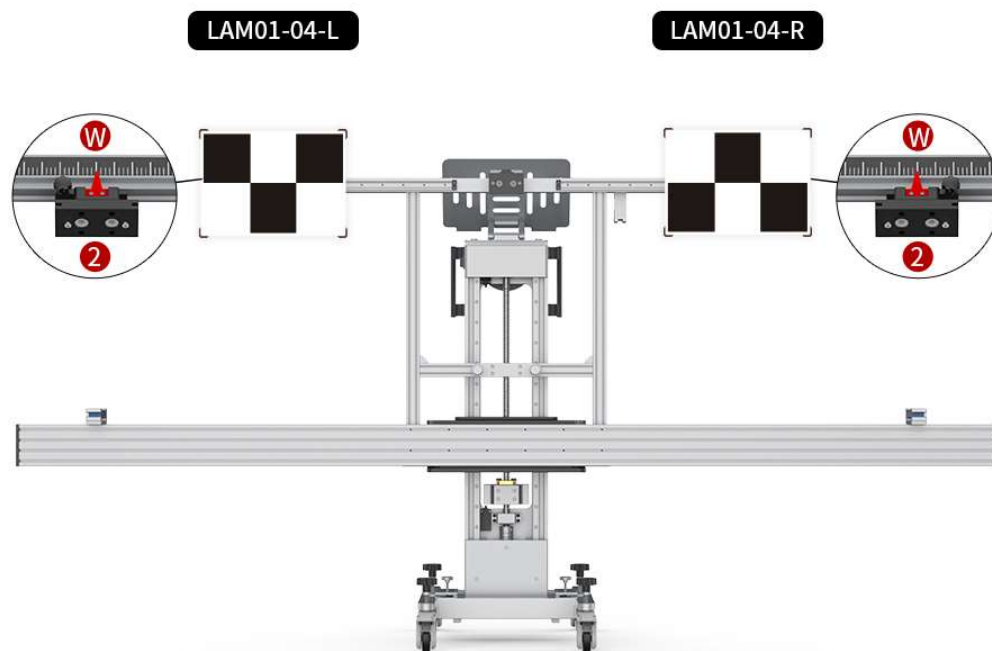


Small target-Condition 1: Single target/single position

Use the LAM01-_____ target and install the target on the middle hanging plate.

Operation Steps

Step 7 -- Install the target



Small target -- Condition 2: Multiple targets/multiple positions

1. Move the left and right sliding blocks ② to position W, $W = \underline{\hspace{2cm}}$.
2. Use the targets LAM01- and LAM01- , and install the targets on the left and right sliding blocks ②.

Operation Steps

Step 8 -- Adjust the height



1. Turn on the height range finder① and adjust the device height so that the value of height range finder① is H, $H = \underline{\hspace{2cm}}$ mm.

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