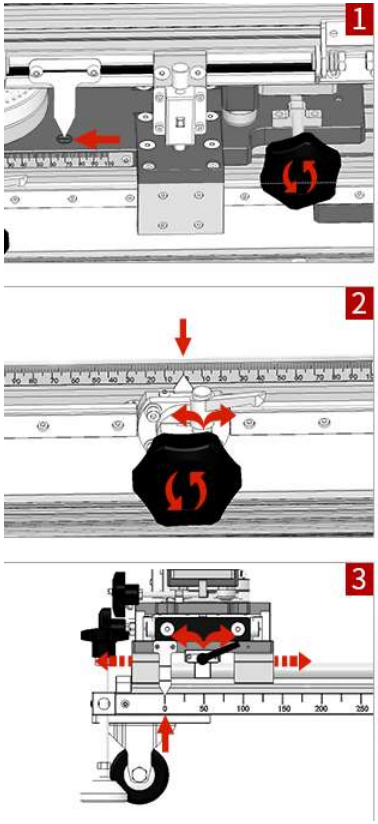
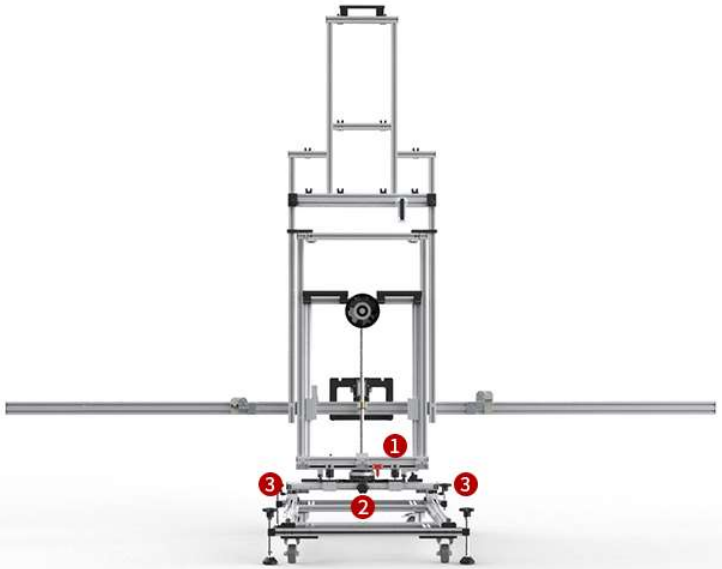
Operation Steps





Step 1 -- Reset the device

Check the following positions and reset.

① Parallel fine-tuning position

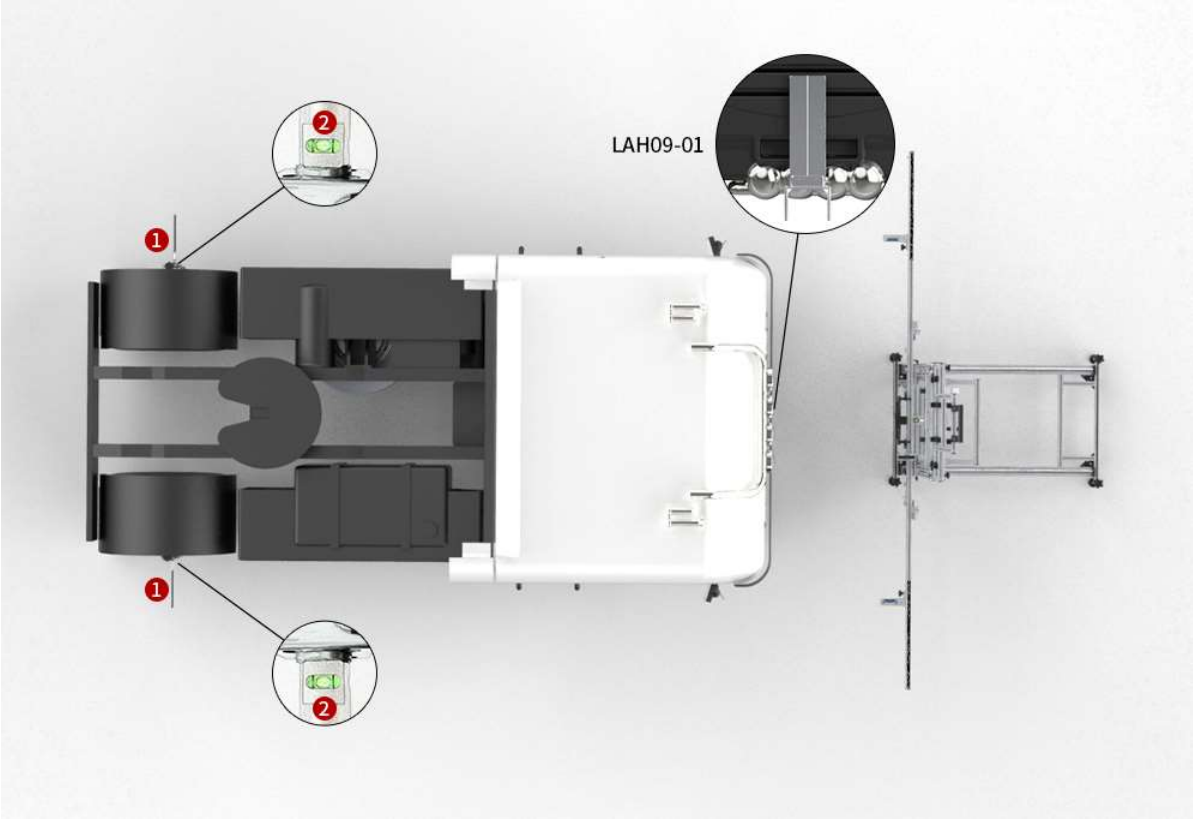
② Left and right fine-tuning position

③ Front and rear fine-tuning position

Operation Steps

Step 2 -- Condition 1

The method of measuring from vehicle head to target



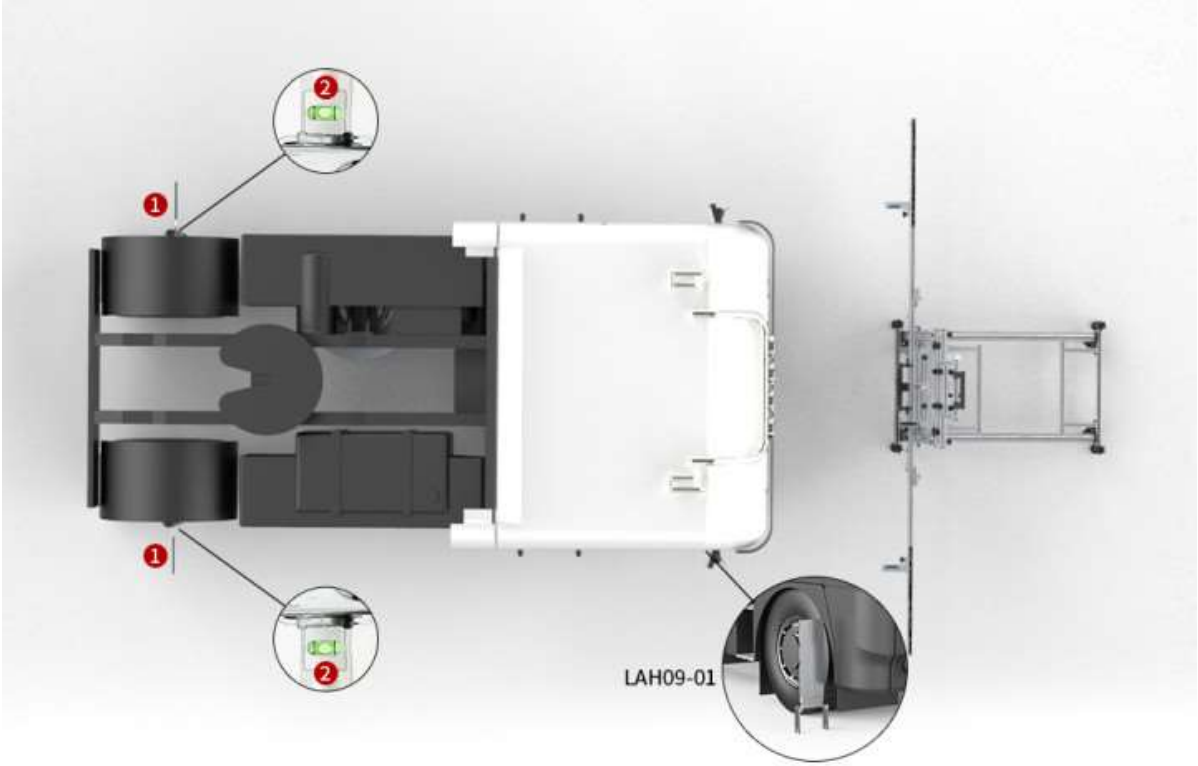
Install the wheel clamp and ranging panel

1. Install the wheel clamp ① on vehicle left and right coaxial 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

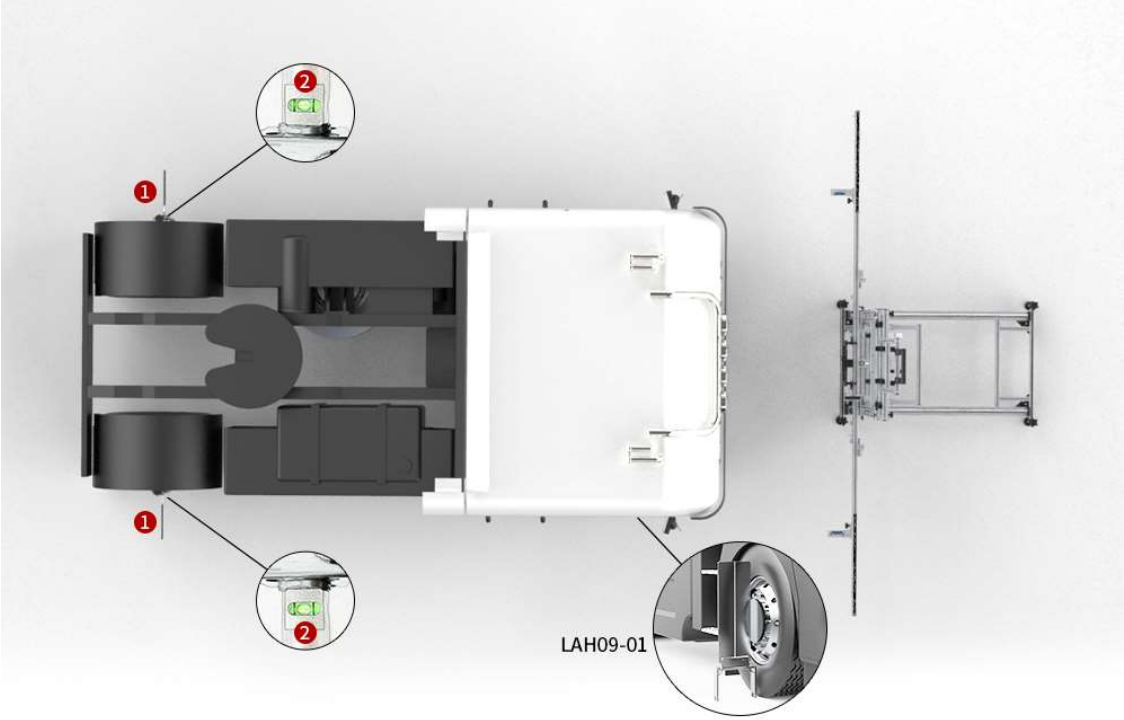
1. Install the wheel clamp ① on vehicle left and right coaxial rear wheels, and ensure the spirit level ②.

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



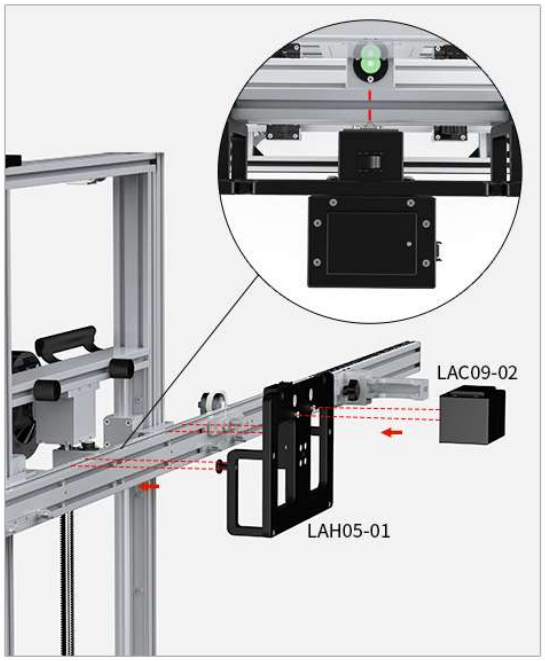
Install the wheel clamp and ranging panel

1. Install the wheel clamp ① on vehicle left and right coaxial rear wheels, and ensure the spirit level ②.

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

Operation Steps

Step 3 -- Determine the distance of device placement



1. Hang the **Mounting plate LAH05-01** to make its centering mark is aligned with the center of beam.
2. Install and turn on the **Central laser LAC09-02**, place the device to the front of vehicle, so that the laser line irradiates on the center of vehicle.

Operation Steps

Step 3 -- Determine the distance of device placement

3. Install the range-finder ① on the beam, the range-finder ① is on the same side of **Ranging panel LAC09-01**. Turn on the rangefinder so that the laser spot irradiates on the **Ranging panel LAC09-01**.

4. Move the device back and forth to make the value of range-finder ① is L, L=_____.

Operation Steps

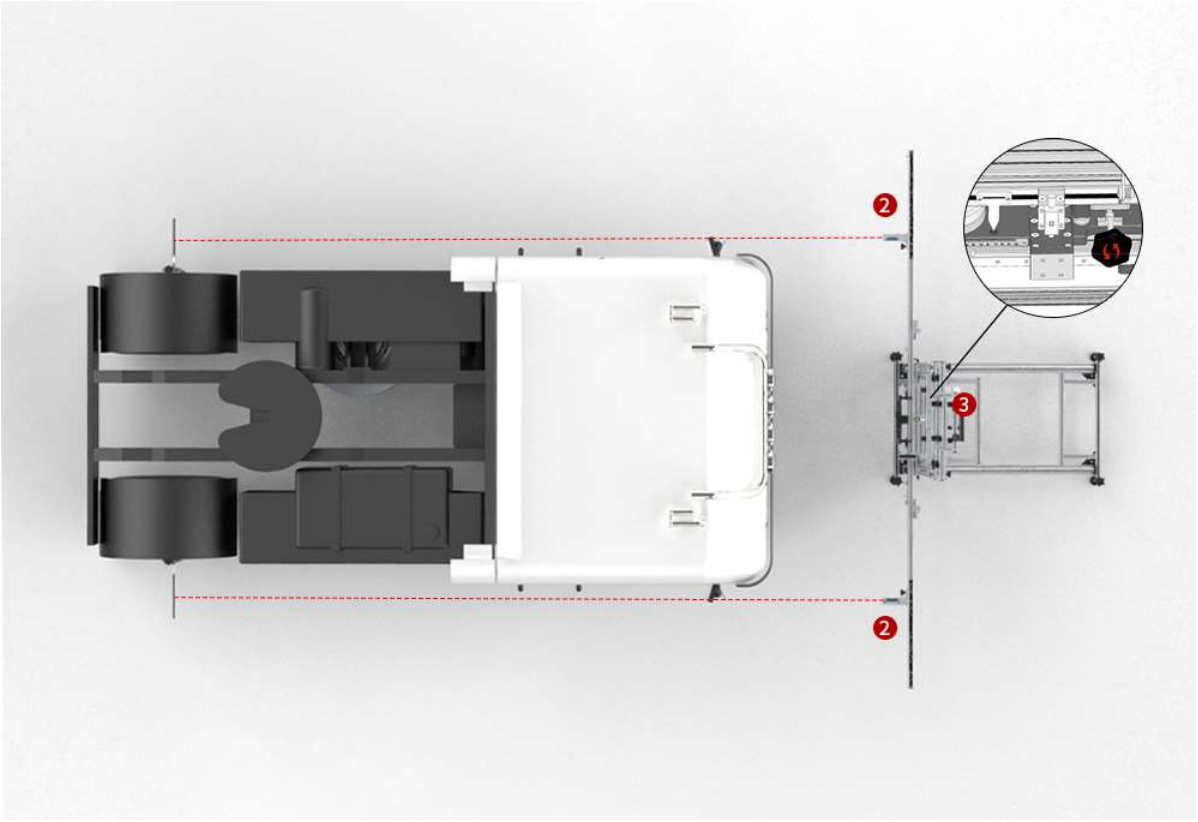
Step 3 -- Determine the distance of device placement

5. Observe the spirit level ②, rotate the base adjustment knob ③, and lock the moving wheels after the device is leveled.

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

Operation Steps

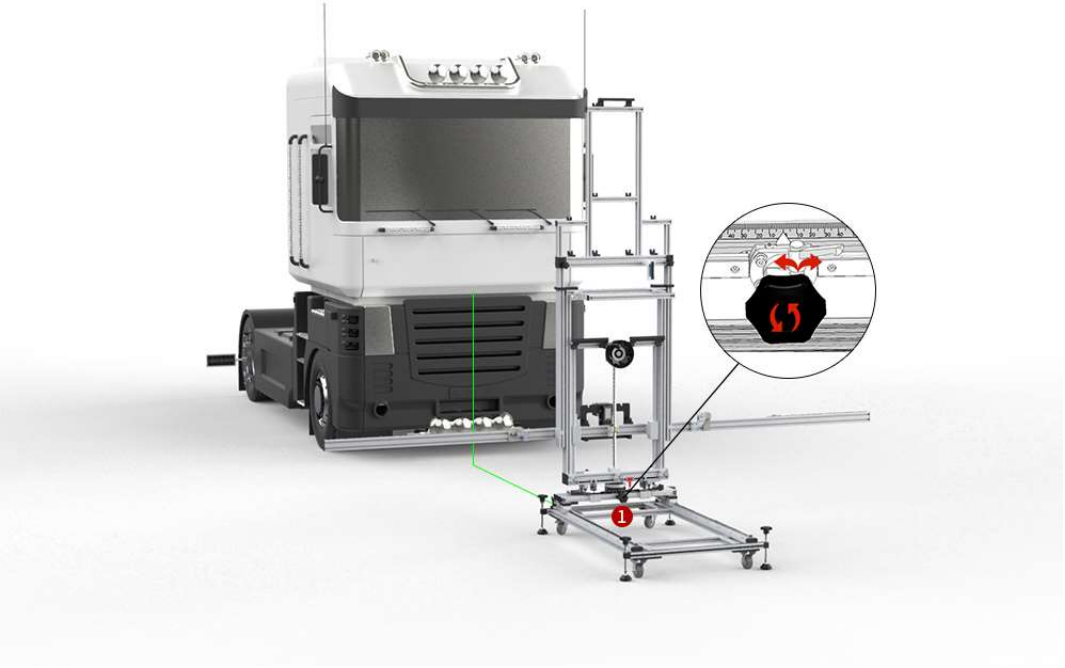
Step 4 -- Adjust the device to be parallel to the vehicle and centered



1. Turn on and move the range-finder 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 range-finder ② on both sides consistent (allowed tolerance: ±1mm).

Operation Steps

Step 5 -- Adjust the device to be parallel to the vehicle and centered



1. Adjust the left and right fine-tuning knob ① to make the **Center laser LAC09-02** irradiate the center of vehicle.

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

Operation Steps

Step 6 -- Install the target

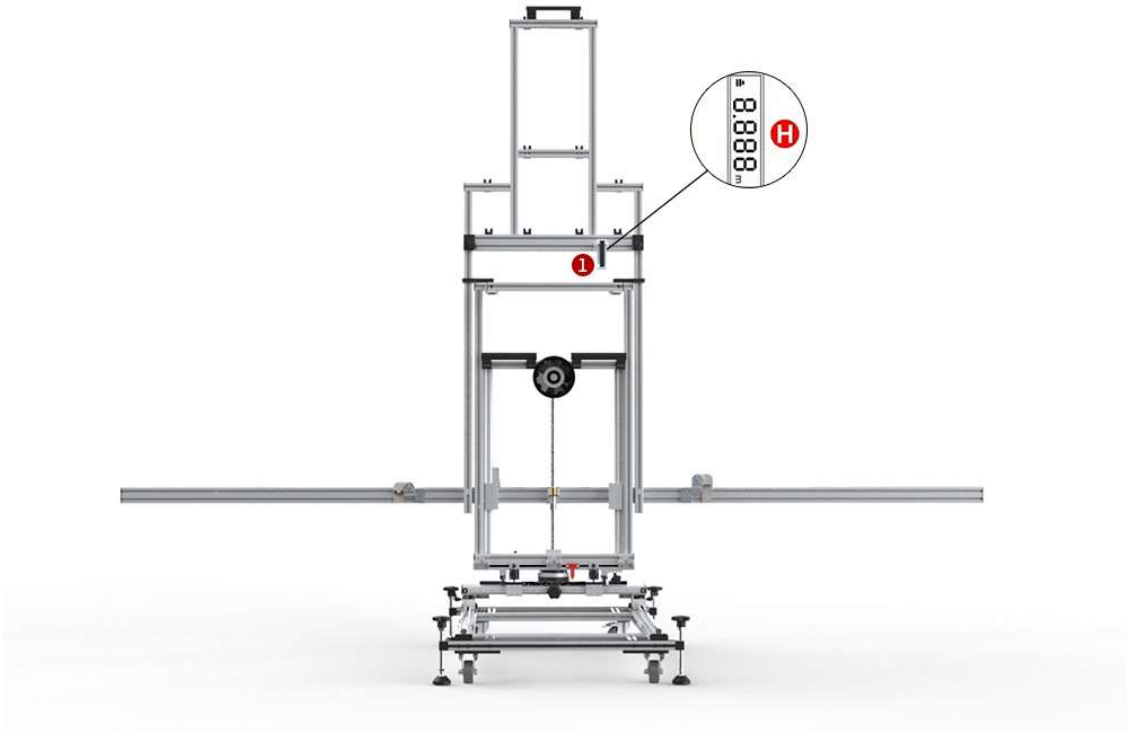
Big Target

1. Use the target LAH01-_____, align the target with the slot, and hang the target as shown in the figure.

Note: The specific target is adjusted according to the vehicle type software

Operation Steps

Step 7 -- Adjust the height

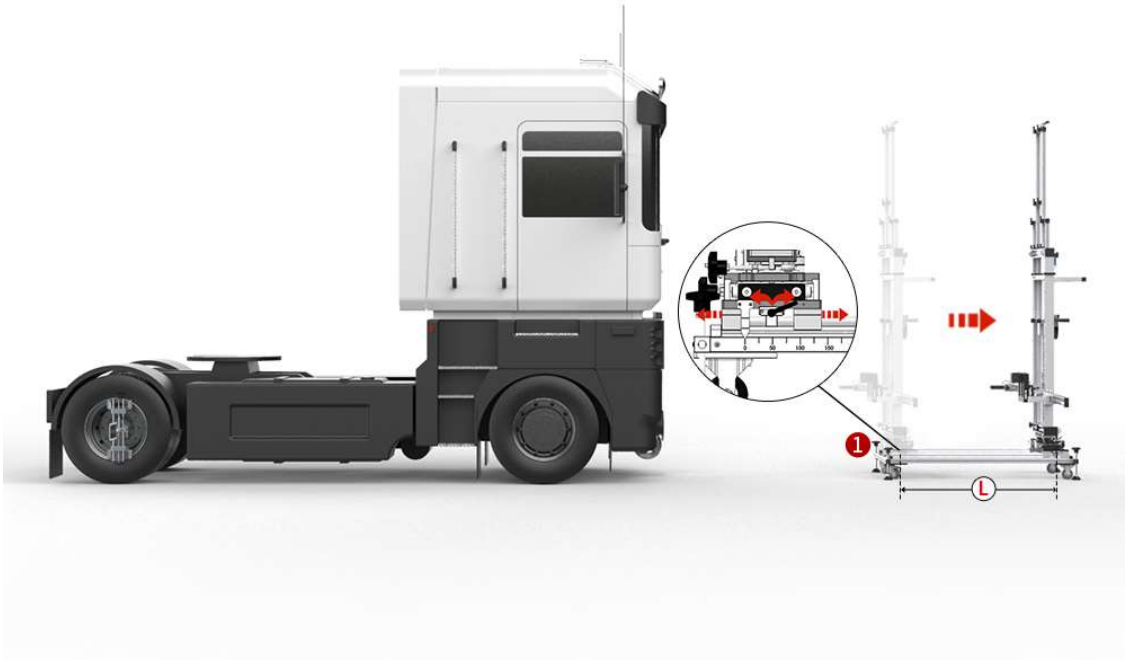


1. Turn on the altitude range-finder① and adjust the device height to make the value of altitude rangefinder① is H, H=_____.

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

Operation Steps

Step 8 – Start calibrating



Situation 1: Identify the second position

1. Adjust the front and rear fine-tuning knob ①, move the position back by the distance L, L=_____.

Operation Steps

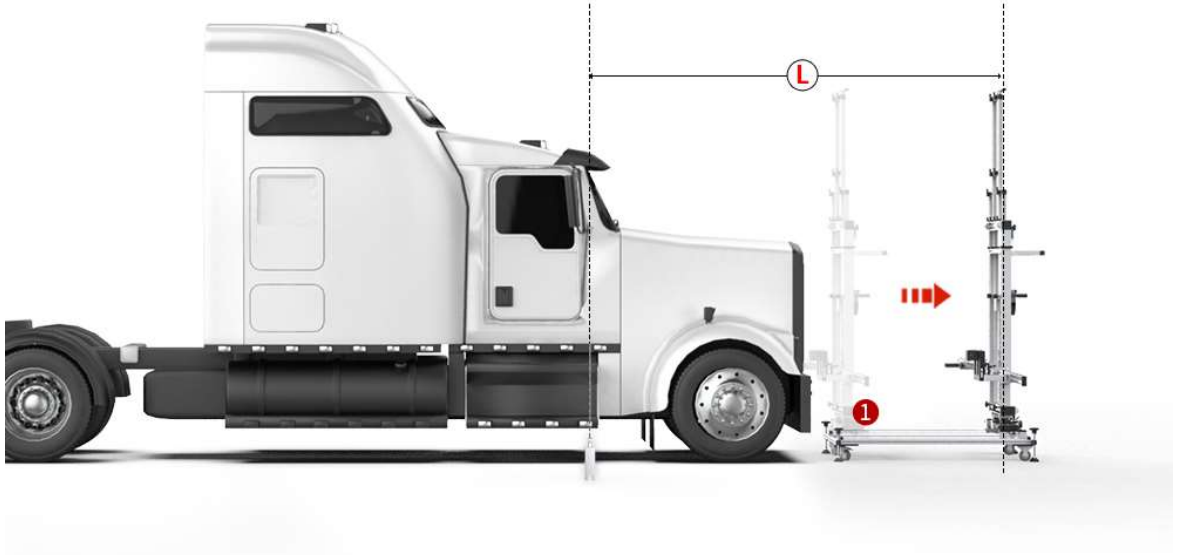
Step 8 – Start calibrating

Situation 2: Identify the first position

1. Move the device forward to the front of the bumper to make the distance between the center of the front camera and the target is L= .

Operation Steps

Step 8 – Start calibrating



Situation 2: Identify the second position

1. Adjust the front and rear fine-tuning knob ①, move the position back by the distance L, L=_____.