

HEADLIGHTS - ADJUST - GLOBAL (WALL METHOD)

Correction code 17400160

FRT: 0.10 hours

NOTE: See *Flat Rate Times* to learn more about FRTs and how they are created. To provide feedback on FRT values, email LaborTimeFeedback@tesla.com (<mailto:LaborTimeFeedback@tesla.com>).



Parent topic: 1740 - Exterior Lights

IDENTIFY HEADLIGHT TYPE

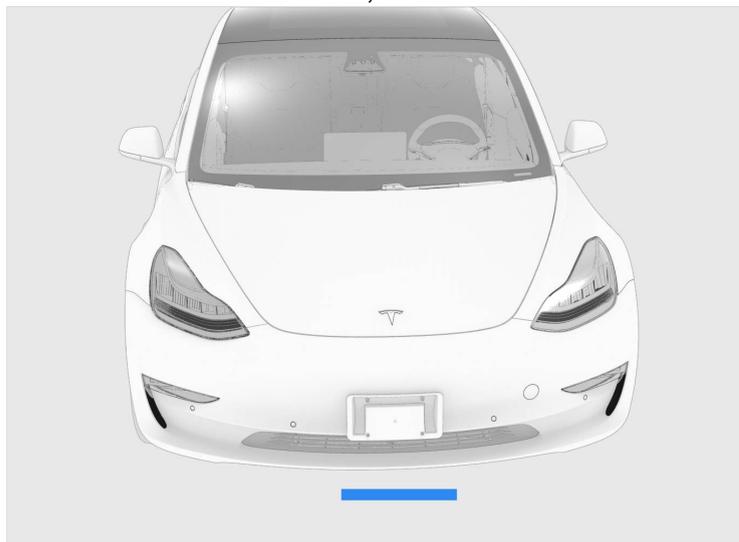
This procedure is applicable only to the "Global" style headlight. The global headlight (2) has a different reflector and lens design compared to the SAE/ECE headlight (1). The differences are illustrated below.



ADJUST HEADLIGHTS USING A WALL

- 1 Position the vehicle for adjusting the headlights. The vehicle should be:
 - Located in a darker work area with low ambient lighting.
 - Parked on a level surface.
 - Perpendicular to a wall that has a matte surface. The wall must be at least 1.8 m (6 ft) high and 3.7 m (12 ft) wide.
- 2 Make sure that all 4 tires are inflated to specification.
- 3 Put a piece of tape on the wall 28 in (71 cm) from the ground.
- 4 Measure 25 ft (7.62 m) away from the wall and put a piece of tape on the ground to indicate where the vehicle should be parked.
- 5 Park the vehicle perpendicular to the wall so that the front fascia is flush with the tape that was placed on the ground in the previous step.

Model 3 shown, Model Y similar



- 6 Confirm the vehicle is perpendicular to the wall by measuring the distance from the center of each front wheel to the wall. If necessary, reposition the vehicle until the distance between each front wheel to the wall is equal.

Model 3 shown, Model Y similar



- 7 Holding a laser pointer against the tape on the wall, project a laser beam onto the center point of the vehicle. When the laser beam is aligned with the center of the vehicle, mark the wall at the laser pointer with a piece of tape, adjacent to the tape applied during step 3. This is the center reference point.

i **Tip:** Aim the laser beam at the flat part of the front fascia cover, directly below the bottom tip of the Tesla "T" badge.



- 8 Put tape on the wall 29.5 in (75 cm) to the left and to the right of the center reference point. These are the left and right reference points.

- 9 On the vehicle touchscreen, touch **Controls** > **Service** > **Adjust Headlamps** to enable Headlight Adjustment Mode.

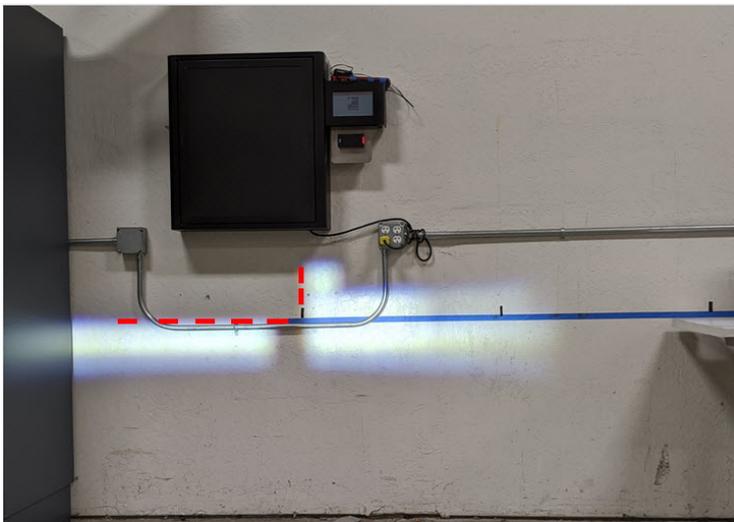
- 10 Cover the RH headlight with a clean shop towel; make sure that all light from the right headlight is blocked.



- 11 On the vehicle touchscreen, select **Left**, then use the left scroll wheel on the steering wheel to adjust the beam level.

Note: The top of the rectangular beam aligns with the horizontal tape mark on the wall, and the left edge of the L-shaped beam aligns with left reference point.

! **Caution:** Do not sit in the vehicle, as this will affect headlight alignment.



- 12 Remove the cover from the RH headlight.

- 13 Repeat steps 9 through 11, covering the LH headlight and adjusting the RH headlight.

- 14 Exit the headlight adjustment mode on the center display.