650QD–01

ADJUSTMENT

1. ADJUST HEADLAMP AIM ONLY

(a) Put the vehicle in the following conditions.
- The vehicle is parked on a level surface.
- The tire inflation pressure is at the specified value.
- A driver is in the driver side seat and the vehicle is ready for driving (with the tank full).
- The vehicle has been bounced several times.

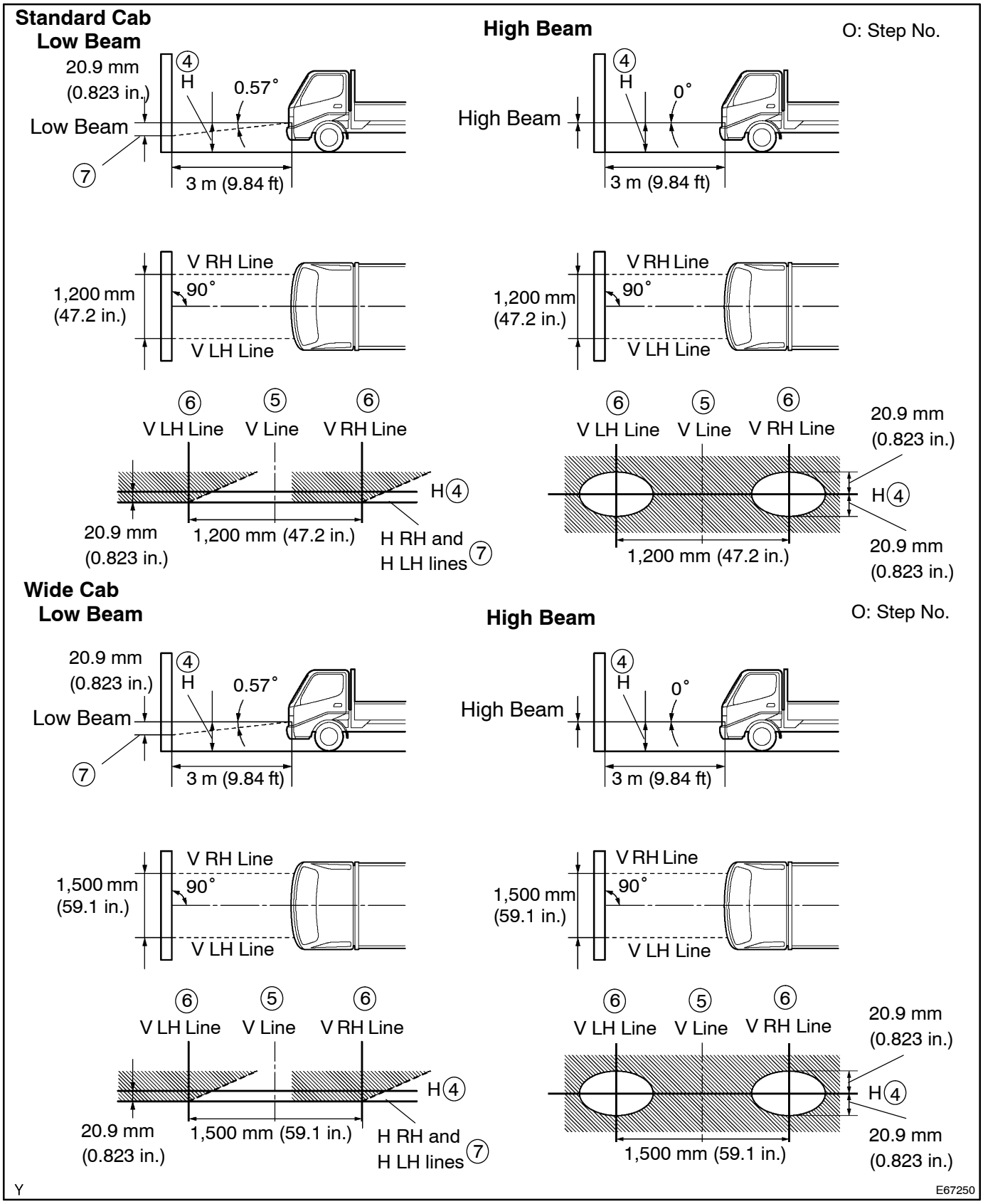
(b) Check the headlamp aiming.
(1) Prepare a thick white paper.
(2) Put the paper perpendicularly on the ground at the position 3 m (9.84 ft) away from the headlamps.
(3) Make sure that the center line of the vehicle and the paper face forms a 90–degree angle, as shown in the illustration.
(4) Draw a horizontal line (H line) on the paper, showing where the headlamps should strike.
(5) Draw a vertical line (V line) on the paper, showing where the center line of the vehicle is to be.
(6) Draw 2 vertical lines on the paper, showing where the both headlamps should strike (V RH and V LH lines).
(7) Draw a horizontal line (by connecting both low beam center marks) on the paper, showing where the headlamps should strike (H RH and H LH lines).

HINT:
The H RH and H LH lines are in 0.57° (w/o Levering) or 0.69° (w/ Levering) below the horizontal line (H line) of the light axis.

(8) Start the engine.
(9) Turn on the headlamps.
(10) Check that the headlamps properly strike the position, as shown in the illustration.

(11) w/o Levering:

If not, adjust the headlamps in the vertical or horizontal direction.

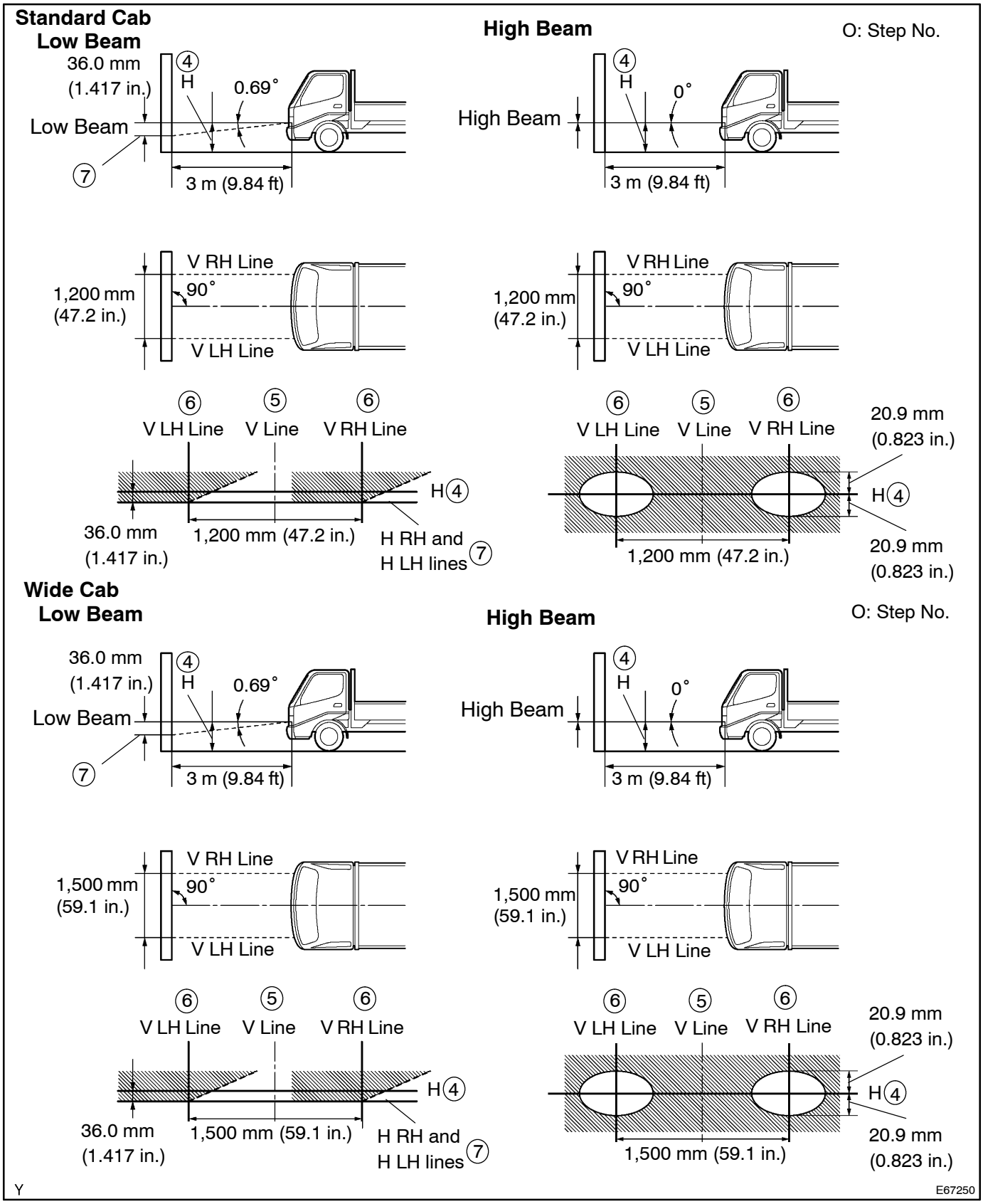


HINT:

- As shown in the illustration, adjust each aim of the RH and LH lights.
- The value of the ”High Beam” aim is a reference value.

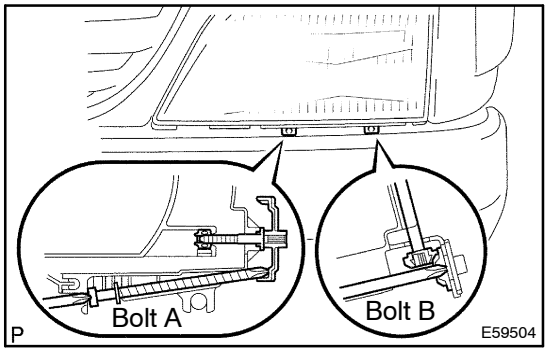
(12) w/ Levering

If not, adjust the headlamps in the vertical or horizontal direction.



HINT:

- As shown in the illustration, adjust each aim of the RH and LH lights.
- The value of the ”High Beam” aim is a reference value.



(c) When adjusting the headlamps in the vertical direction: Using the adjusting bolt A, adjust the headlamp aim within the specified range.

(d) When adjusting the headlamps in the horizontal direction: Using the adjusting bolt B, adjust the headlamp aim within the specified range.