

ADJUSTMENT

1. ADJUST HEADLAMP AIMING

- (a) Place the vehicle in the following conditions:
- The area around the headlamp is not deformed.
 - The vehicle is parked on a level surface.
 - Tire inflation pressure is at the specified value.
 - A driver is in the driver's seat and the vehicle is in a state ready for driving (fuel tank is full).
 - The vehicle has been bounced several times.
- (b) Check the headlamp's aim (perform the following procedures while referring to the illustration on the next page).
- (1) Prepare a piece of thick white paper.
 - (2) Stand the paper perpendicular to the ground at a location 3 m (9.8 ft) from the headlamps.
 - (3) Ensure that the center line of the vehicle and the paper surface form a 90° angle as shown in the illustration on the next page.
 - (4) Draw a horizontal line (H line) on the paper at the position where the high beam light from the headlamps will contact the paper.
 - (5) Draw a vertical line (V line) on the paper at the position where the center of the vehicle is.
 - (6) Draw 2 vertical lines (V RH and V LH lines) on the paper at the position where the light from the headlamps will contact the paper.
 - (7) Mark the low beam center marks on the paper. Then draw a horizontal line (H RH and H LH lines) through the marks. This is where the low beam light from the headlamps will contact the paper.

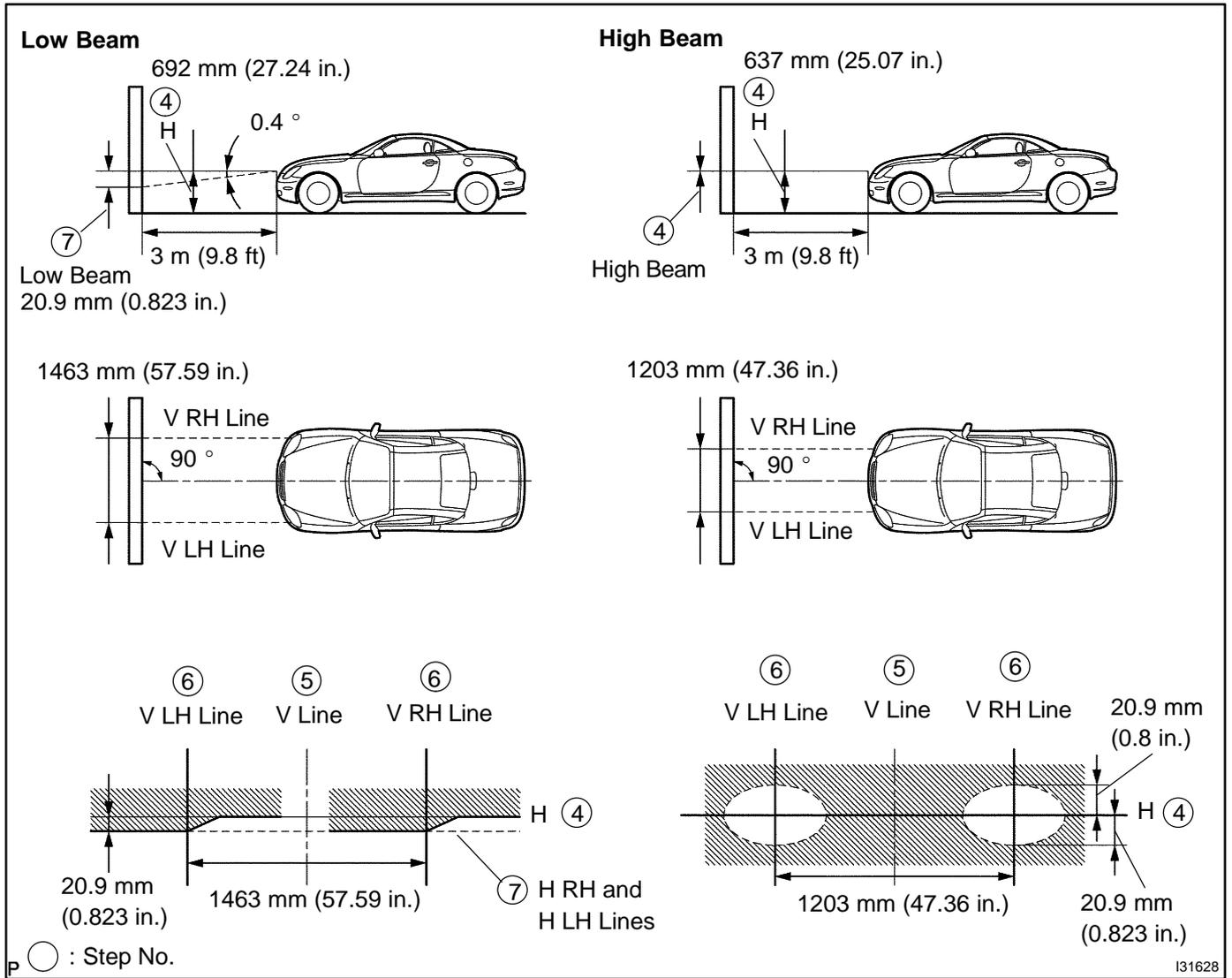
HINT:

The H RH and H LH line is 0.4° below the horizontal line (H line) of the headlamp axis.

- (8) Take appropriate measures to prevent influence of other lamps.

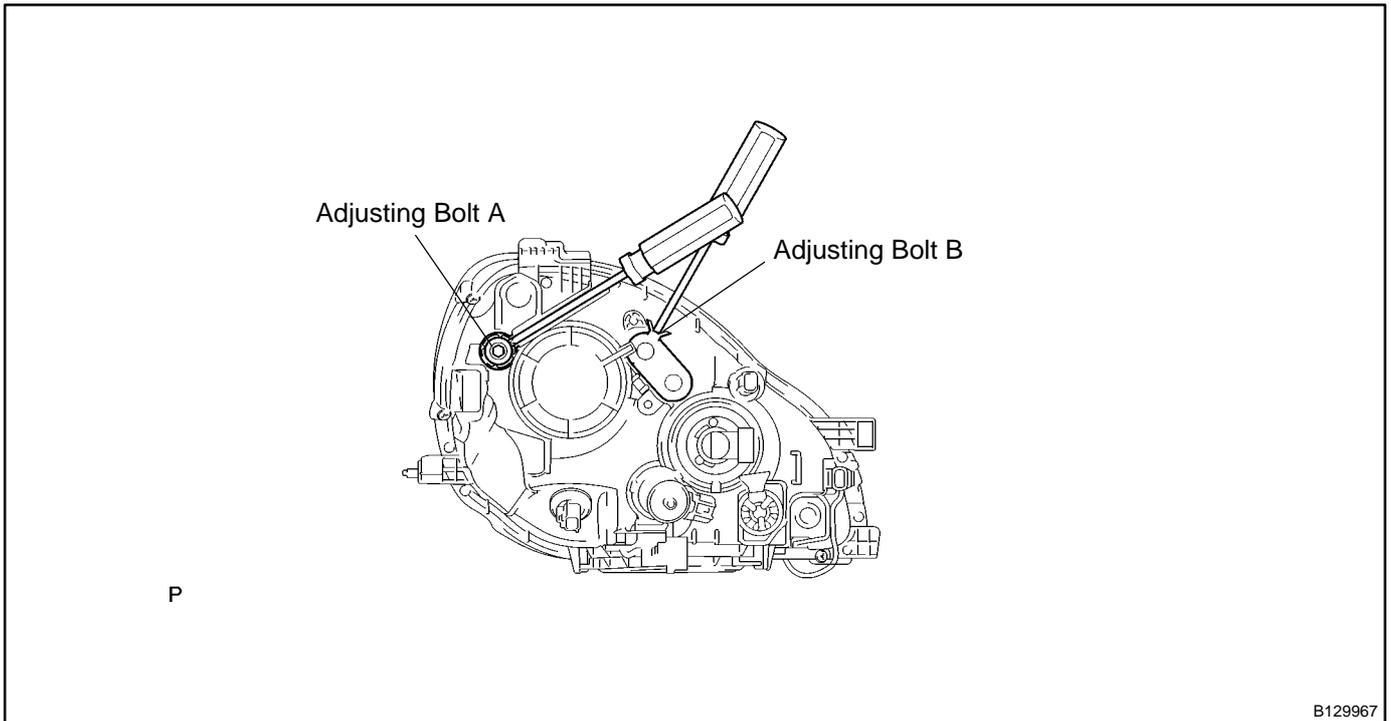
NOTICE:

- **Disconnect connectors of the other lamps so that the aim adjustment will not be affected. When connecting the connectors again, take care not to affect the aim adjustment.**
 - **If covering the headlamps, finish it within 3 minutes. Note that the headlamp lens is made of synthetic resin and can be affected by heat.**
- (9) Start the engine.
 - (10) Turn the headlamps ON.
 - (11) Check that light from the headlamps properly strike the positions shown in the illustration.
- If not, adjust the lamps vertically.



HINT:

Adjust each aim aspect of the RH and LH headlamps as shown above.



(c) Adjust the headlamp vertically.

- (1) Using adjusting bolt B, adjust the headlamp aim to the specified range.

HINT:

Rotating a screwdriver clockwise makes the optical axis aim downward and rotating counterclockwise makes it aim upward.

(d) Adjust the low beam headlamp horizontally.

- (1) Using adjusting bolt, A adjust the headlamp aim to the specified range.