

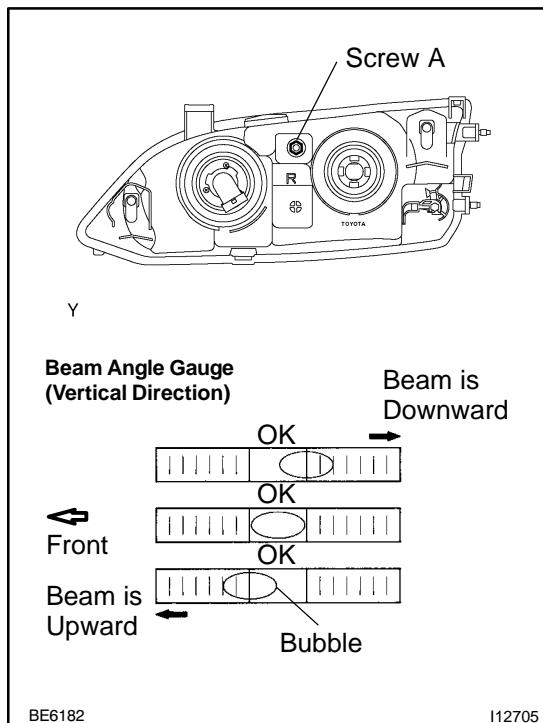
ADJUSTMENT

1. Halogen type:

ADJUST HEADLIGHT AIM

(a) Place the vehicle in the following conditions.

- The area around the headlight is not deformed.
- The vehicle is parked on a level surface.
- Tire inflation pressure is the specified value.
- A driver is in the driver's seat and the vehicle is in a state ready for driving (with a tank full).
- The vehicle has been bounced several times.



(b) Adjust the headlight aim in vertical direction. If the bubble is outside the acceptable range of the beam angle gauge, adjust it using adjusting screw A.

2. Halogen type:**ADJUST HEADLIGHT AIM (Reference)****HINT:**

Adjusting method for the headlight aiming by not using beam angle gauges is shown below.

(a) Inspect the headlight aim.

- (1) Place the vehicle in the following conditions.
 - The area around the headlight is not deformed.
 - The vehicle is parked on a level surface.
 - Tire inflation pressure is the specified value.
 - A driver is in the driver's seat and the vehicle is in a state ready for driving (with a tank full).
 - The vehicle has been bounced several times.
- (2) Prepare a thick white paper.
- (3) Stand the paper perpendicular to the ground at the position 9.84 ft away from the headlights.
- (4) Ensure that the center line of the vehicle and the paper face forms a 90-degree angle as shown in the illustration.
- (5) Draw a horizontal line (H line) on the paper, showing where the headlights should strike.
- (6) Draw a vertical line (V line) to where the center line of the vehicle is to be.
- (7) Draw 2 vertical lines to where the both headlights should strike (V RH and V LH lines).
- (8) Draw a horizontal line (by connecting the both low beam center marks) to where the headlights should strike (H RH and H LH lines).

HINT:

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

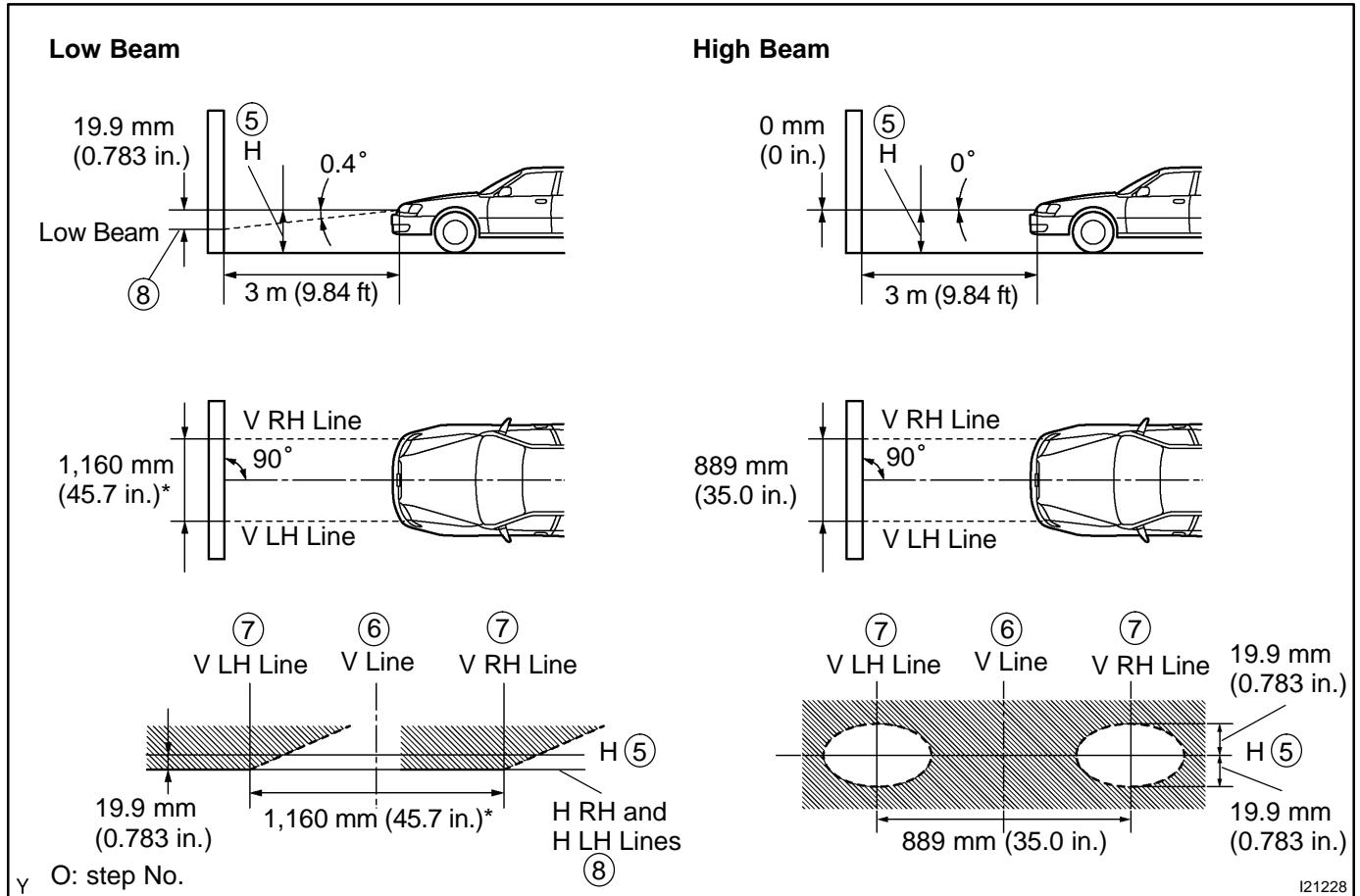
- (9) Take appropriate measures to prevent influence of other lights.

NOTICE:

Disconnect connectors of the other lights so that the aiming adjustment will not be affected.

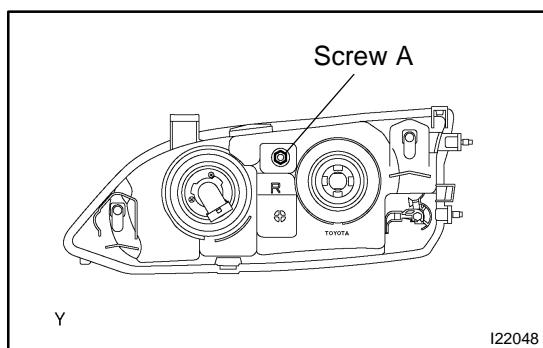
When connecting the connectors again, take care not to make the aiming out of adjustment.

- (10) Start the engine.
- (11) Turn the headlights ON.
- (12) Check that the headlights properly strike the position shown in the illustration.
- (13) If not, adjust the lights in the vertical direction.

**HINT:**

- As shown in the illustration, adjust each aim of the RH and LH lights.
- The "High Beam" values in the illustration are reference values. The "*" marked values in the illustration are reference values.

(b) When adjusting it in the vertical direction:
Using adjusting screw A, adjust the headlight aim to within the specified range.



3. HID type:**ADJUST HEADLIGHT AIM**

(a) Inspect the headlight aim.

- (1) Place the vehicle in the following conditions.
 - The area around the headlight is not deformed.
 - The vehicle is parked on a level surface.
 - Tire inflation pressure is the specified value.
 - A driver is in the driver's seat and the vehicle is in a state ready for driving (with a tank full).
 - The vehicle has been bounced several times.
- (2) Prepare a thick white paper.
- (3) Stand the paper perpendicular to the ground at the position 9.84 ft away from the headlights.
- (4) Ensure that the center line of the vehicle and the paper face forms a 90-degree angle as shown in the illustration.
- (5) Draw a horizontal line (H line) on the paper, showing where the headlights should strike.
- (6) Draw a vertical line (V line) to where the center line of the vehicle is to be.
- (7) Draw 2 vertical lines to where the both headlights should strike (V RH and V LH lines).
- (8) Draw a horizontal line (by connecting the both low beam center marks) to where the headlights should strike (H RH and H LH lines).

HINT:

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

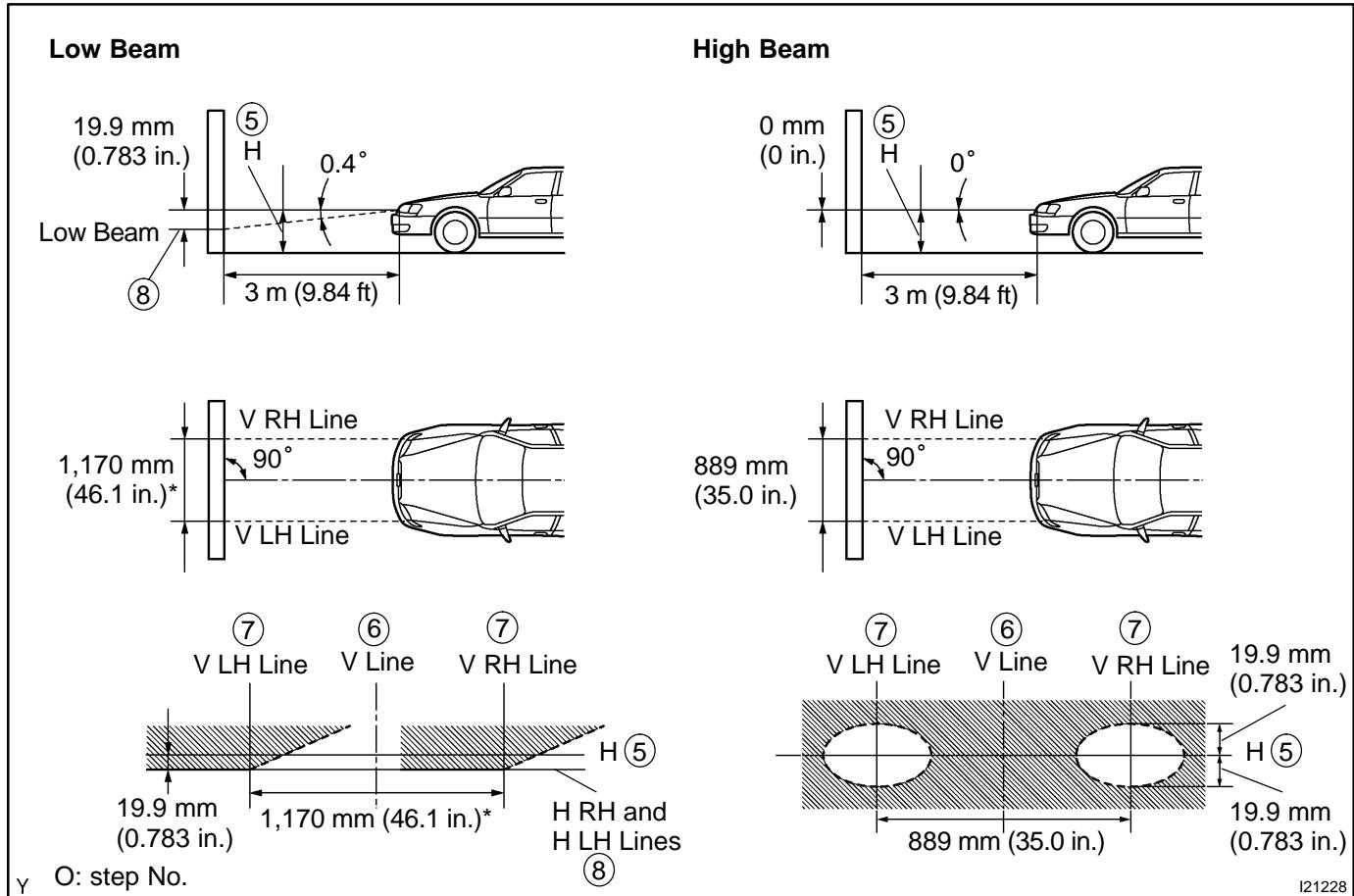
- (9) Take appropriate measures to prevent influence of other lights.

NOTICE:

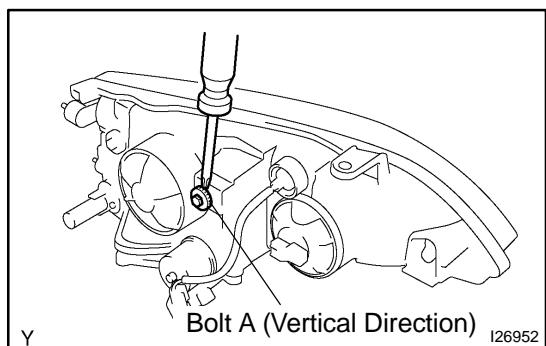
Disconnect connectors of the other lights so that the aiming adjustment will not be affected.

When connecting the connectors again, take care not to make the aiming out of adjustment.

- (10) Start the engine.
- (11) Turn the headlights ON.
- (12) Check that the headlights properly strike the position shown in the illustration.
- (13) If not, adjust the lights in the vertical direction.

**HINT:**

- As shown in the illustration, adjust each aim of the RH and LH lights.
- The "High Beam" values in the illustration are reference values. The "*" marked values in the illustration are reference values.



(b) When adjusting it in the vertical direction:
Using adjusting bolt A, adjust the headlight aim to within the specified range.