650C5–01

ADJUSTMENT

1. HEADLIGHT AIM ONLY

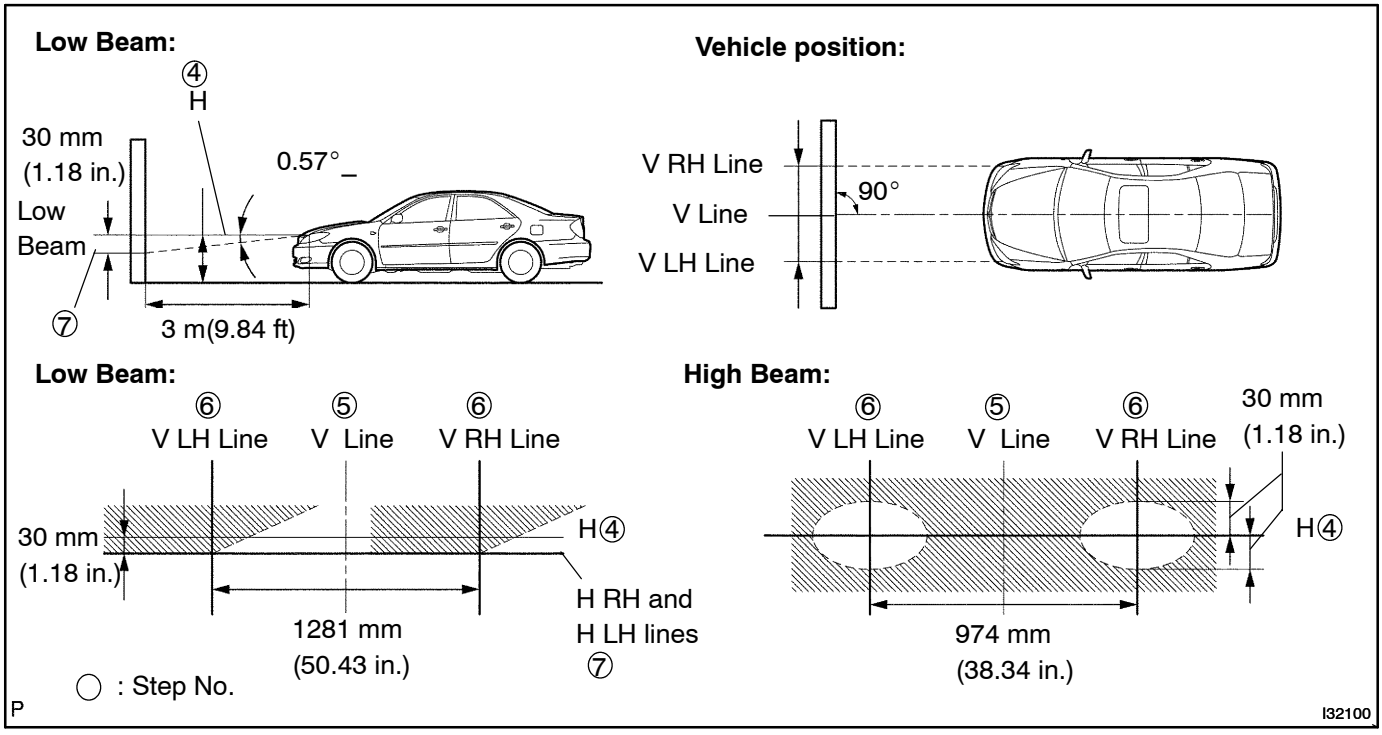
(a) Place the vehicle with the following conditions.
- The area around the headlight is not deformed.
- The vehicle is parked on a level surface.
- Tire inflation pressure is in the specified value.
- A driver is in the driver's seat and the vehicle is in a state ready for driving (with a tank full).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

(b) Check the headlight aiming.
(1) Prepare a thick white paper.
(2) Stand the paper perpendicular to the ground at the position 9.84 ft away from the headlights.
(3) Ensure 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 headlights should strike.
(5) Draw a vertical line (V line) to where the center line of the vehicle is to be.
(6) Draw 2 vertical lines to where the both headlights should strike (V RH and V LH lines).
(7) Draw a horizontal line (by connecting the both low beam center marks) to where the headlights should strike (H RH and H LH lines).
(8) Take appropriate measures to prevent any influence of other lights.

HINT:

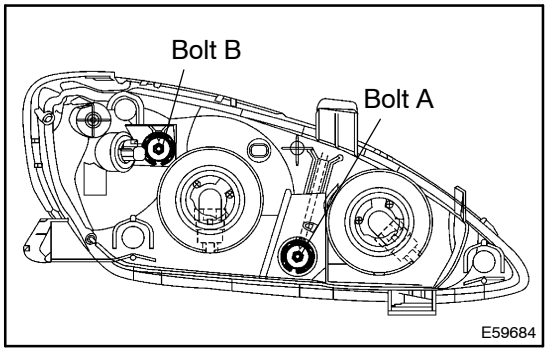
The H RH and H LH line is 0.57° below the horizontal line (H line) of the light axis.

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



HINT:

- As shown in the illustration, adjust each aim of the RH and LH lights.
- Since it is impossible to adjust the horizontal direction, the value * of the "Low Beam" aim is reference value.



(c) When adjusting headlight aim in the horizontal direction:
Using adjusting bolt A, adjust the headlight aim to be within the specified range.

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

HINT:

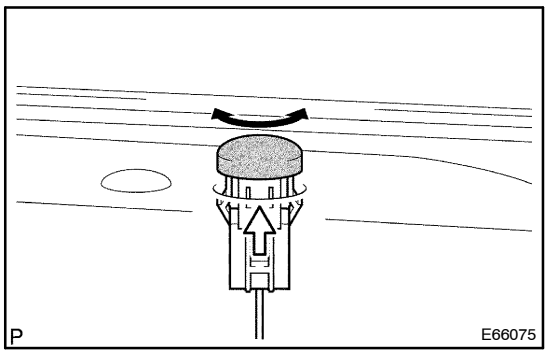
The optical aim moves upward when turning a screwdriver clockwise, while it moves downward when turning a screwdriver counterclockwise.

2. ADJUST AUTOMATIC LIGHT CONTROL SENSOR

(a) Remove the instrument cluster finish panel

(b) Remove the combination meter assy

(c) Push the automatic light control sensor upward, inserting a hand inside of the instrument panel safety pad sab–assy.



(d) Turn the filter on the automatic light control sensor to adjust the brightness of the light automatically turns on.

Adjustment methood	Filter turning direction
Increase brightness of the light auto matically turns on	Clockwise
Decrease brightness of the light auto matically turns on	Counter clockwise

HINT:

Wipe the oil out on the filter.

(e) Push the automatic light control sensor into the insutrument panel.

NOTICE:

Do not push the automatic light control sensor into the instrument panel with excessive force.