

ADJUSTMENT

1. HEADLIGHT AIM ONLY

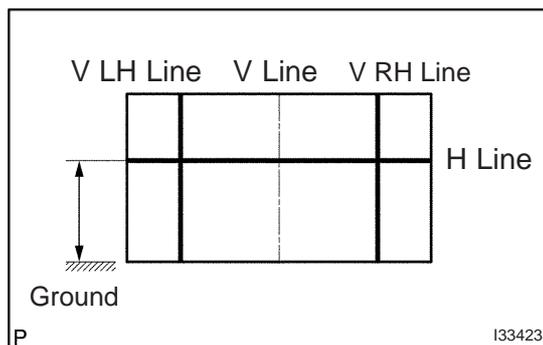
HINT:

- Perform aiming adjustment with Low-beam.
- Since the Low-beam light and the High-beam light is a unit, if aiming on either side is connect, the other side should also be connect.

However, check both beams just to make sure.

(a) Prepare vehicle in the following conditions.

- Check that any damage or deformation does not exist on the body around the headlights.
- Fuel tank is full.
- The tire inflation pressure is at the specified level.
- Vehicle is parked at a level surface.
- A person having an average weight sits in the driver's seat.
- Vehicle is bounced up and down to stabilize the suspension to the normal position.



(b) Prepare a thick white paper (Draw base lines).

HINT:

- Stand the paper perpendicular as against a wall.
- The base lines differ for "Low-beam inspection" and "High-beam inspection".

(1) V line (Vehicle Center position)

Draw a vertical line down the center of the paper in order to align it with the center of the vehicle.

(2) H line (Headlight height)

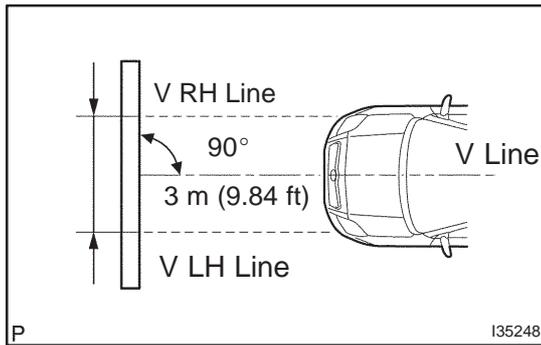
Draw horizontal line across the paper at the same height from the ground as the center mark for the Low-beam lights.

(3) V LH line, V RH line (Center mark position of right and left headlights)

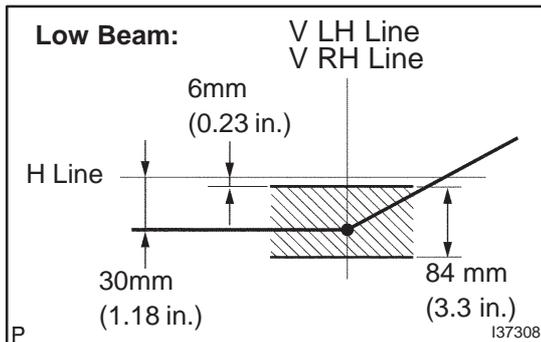
Draw vertical lines, for left & right, at the same position as the center mark for the Low-beam lights.

HINT:

Follow the same procedures when adjusting the High-beam lights.



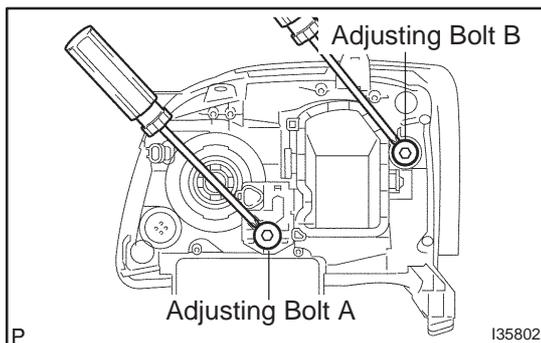
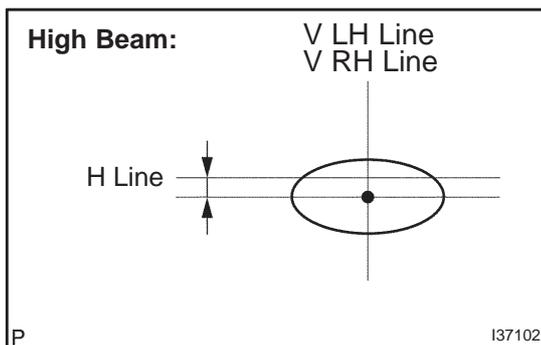
- (c) Check the headlight aiming.
- (1) Align the paper with the center of the vehicle.
 - Make a distance of 3 m (9.84 ft) between the headlights and the paper, and put the paper against a wall with the H line being at the same height as the center mark.
 - Align the center of the vehicle with the V line on the paper, and ensure that the paper is at a 90° angle in accordance to the V line.
 - (2) Start the engine.
 - (3) Turn on the headlights and check that the aim is with in the specified valves shown in the illustration.

**NOTICE:**

- **When covering the headlights, finish it within 3 minutes.**
- **The headlight lens is made of synthetic resin, so it is easily.**

HINT:

When checking the aiming of the High-beam, shut off the Low-beam or disconnect the Low-beam headlight connector.



- (d) Adjust the aim in the vertical direction:
Using a screwdriver, adjust the headlight aim within the specified range by turning the aiming screw A.

NOTICE:

- **Adjust the headlight aim by turning the screw in the tightening direction.**
- **When the screw is tightened excessively, loosen it once and re-tighten it to adjust the headlight aim.**

HINT:

The optical axis aim moves downward when turning the screwdriver clockwise, and it moves upward when turning the screwdriver counterclockwise.

- (e) Adjust the aim in the horizontal direction:
Using a screwdriver, adjust the headlight aim within the specified range by turning the aiming screw B.

NOTICE:

- **Adjust the headlight aim by turning the screw in the tightening direction.**
- **When the screw is tightened excessively, loosen it once and re-tighten it to adjust the headlight aim.**