

## ADJUSTMENT

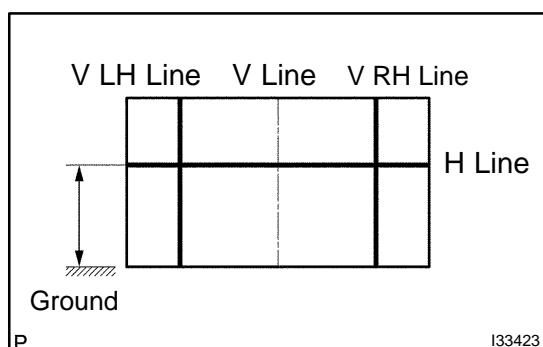
### 1. HEADLIGHT AIM ONLY

#### 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 correct, the other side should also be correct.

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.  
(See page 28-1)
  - Vehicle is parked at a level surface.
  - A person having an average weight (68 kg (149.14 lb)) 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).

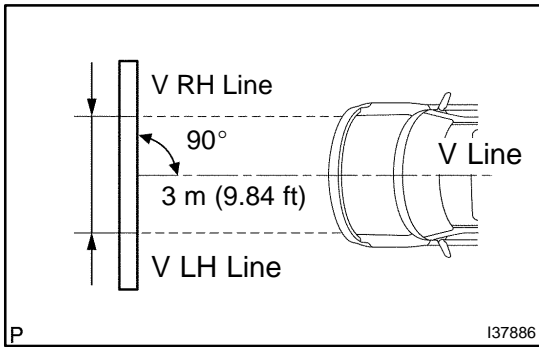
#### HINT:

- 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.



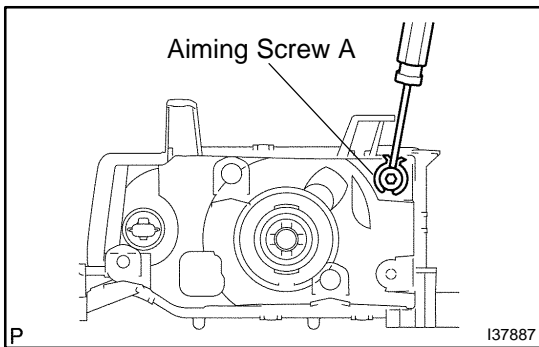
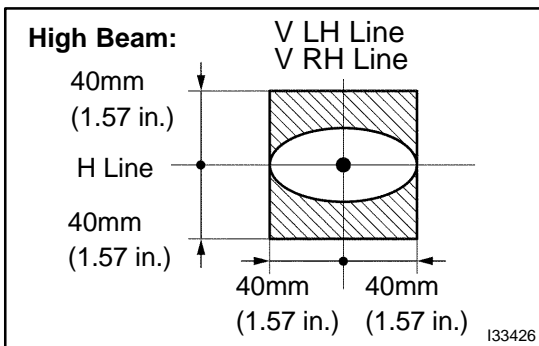
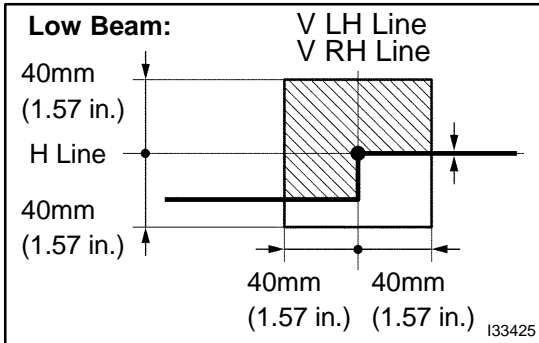
- (c) Check the headlight aiming.
- (1) Align the position of the paper and vehicle.
    - Make the distance of 3 m (9.84 ft) between the headlights and the paper, and put the paper on the wall with the H line being at the same height as the center mark.
    - Align the center of the vehicle with the 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 values shown in the illustration.

**NOTICE:**

The headlight lens is made of synthetic resin, so it is easily damaged.

**HINT:**

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



- (d) Adjust the aiming in the vertical direction:  
Using a screwdriver, adjust the headlight aim to 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.