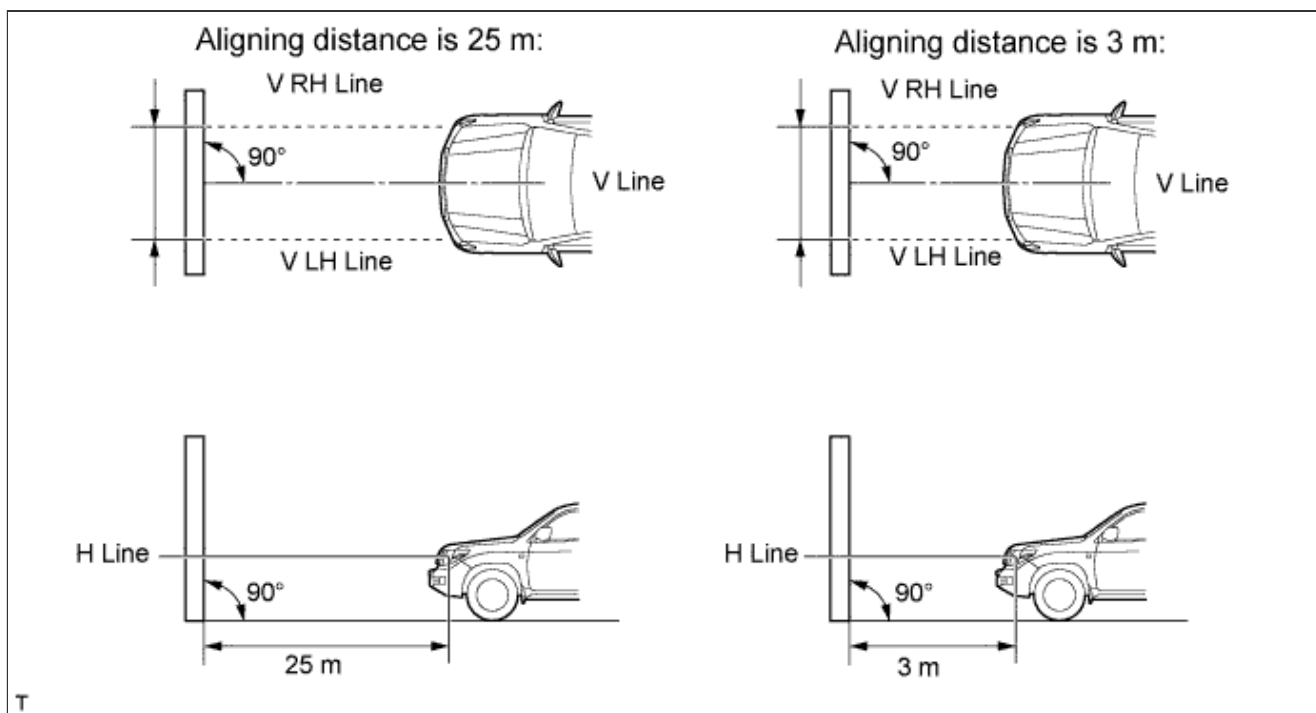


- b.** Prepare a piece of thick white paper approximately 2 m (6.56 ft.) (height) x 4 m (13.1 ft.) (width) to use as a screen.
- c.** Draw a vertical line down the center of the screen (V line).
- d.** Set the screen as shown in the illustration.



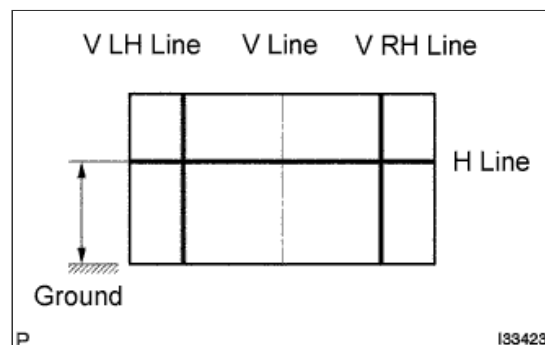
HINT:

- Stand the screen perpendicular to the ground.
- Align the V line on the screen with the center of the vehicle.

- e.** Draw base lines (H, V LH, and V RH lines) on the screen as shown in the illustration.

HINT:

- The base lines differ for "low beam inspection" and "high beam inspection".
- Mark the headlight bulb center marks on the screen. If the center mark cannot be observed on the headlight, use the center of the headlight bulb or the name of the manufacturer marked on the headlight as the center mark.



- i. **H Line (Headlight height):**
Draw a horizontal line across the screen so that it passes through the center marks. The H line should be at the same height as the headlight bulb center marks of the low beam headlights.
- ii. **V LH Line, V RH Line (Center mark position of the left-hand (LH) and right-hand (RH) headlights):**
Draw two vertical lines so that they intersect the H line at each center mark (aligned with the center of the low beam headlight bulbs).

3. HEADLIGHT AIMING INSPECTION

- a. Cover the headlight or disconnect the connector of the headlight on the opposite side to prevent light from the headlight that is not being inspected from affecting the headlight aiming inspection.

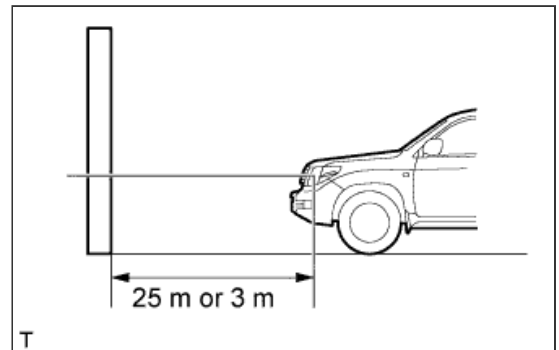
NOTICE:

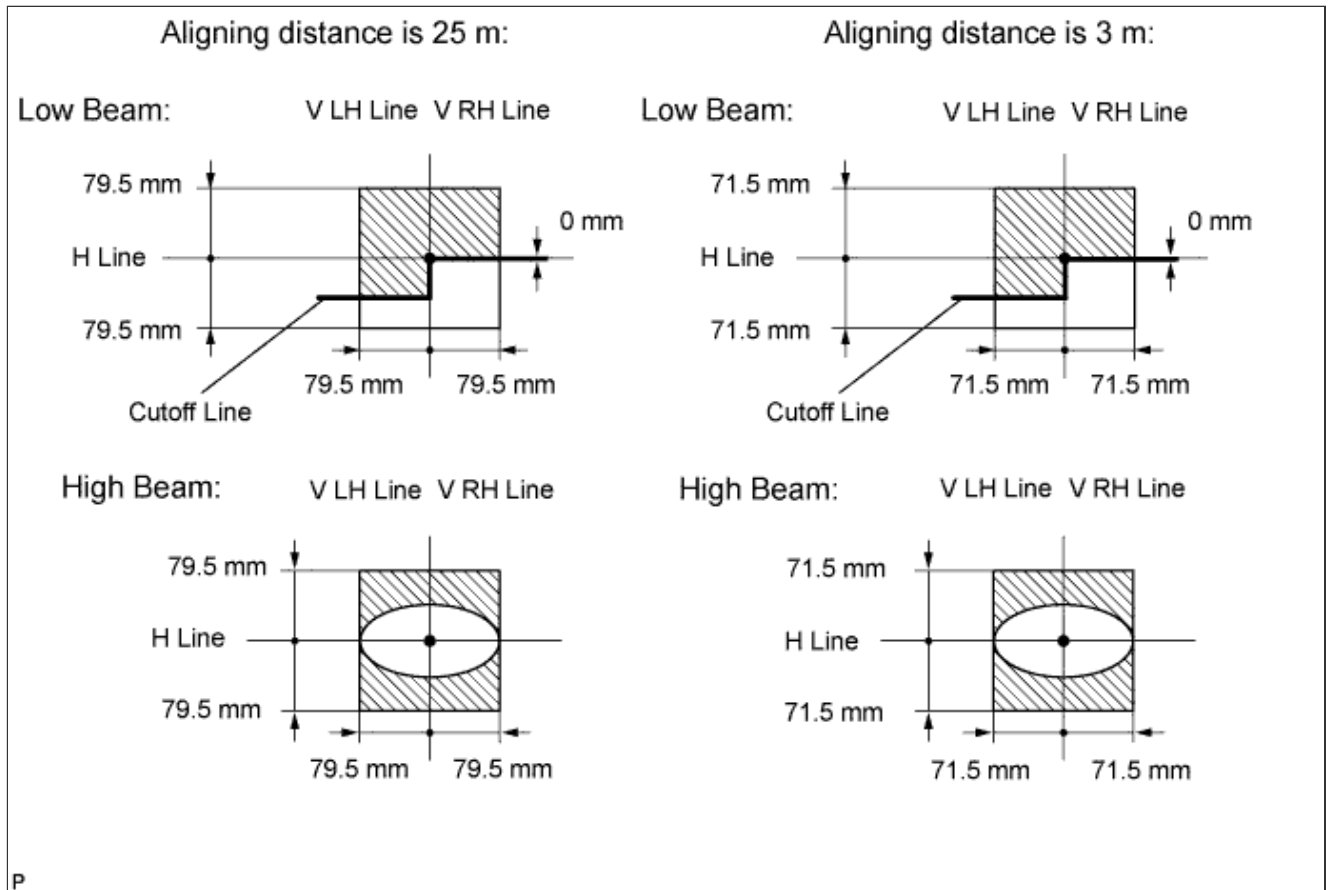
Do not keep the headlight covered for more than 3 minutes. The headlight lens is made of synthetic resin, which may melt or be damaged due to excessive heat.

HINT:

When checking the aim of the high beam headlight, cover the low beam headlight or disconnect the connector.

- b. Start the engine.
- c. Turn on the headlight and check if the cutoff line matches the preferred cutoff line in the following illustration.



**HINT:**

- Since the low beam and high beam headlight on each side have separate reflectors, it is necessary to check and adjust the aim separately for both.
- If the alignment distance is 25 m (82.0 ft.):
The low beam cutoff line should be within 79.5 mm (3.13 in.) above or below the H line as well as 79.5 mm (3.13 in.) left or right of the V line.
- If the alignment distance is 3 m (9.84 ft.):
The low beam cutoff line should be within 71.5 mm (2.81 in.) above or below the H line as well as 71.5 mm (2.81 in.) left or right of the V line.
- If the alignment distance is 25 m (82.0 ft.):
The high beam center of intensity should be within 79.5 mm (3.13 in.) above or below the H line as well as 79.5 mm (3.13 in.) left or right of the V line.
- If the alignment distance is 3 m (9.84 ft.):
The high beam center of intensity should be within 71.5 mm (2.81 in.) above or below the H line as well as 71.5 mm (2.81 in.) left or right of the V line.

4. HEADLIGHT AIMING ADJUSTMENT

a. Adjust the aim vertically:

- Adjust the aim of each headlight to the specified range by turning each aiming screw with a screwdriver.

NOTICE:

The final turn of the aiming screw should be made in the clockwise direction. If the screw is tightened excessively, loosen it and then retighten it, so that the final turn of the screw is in the clockwise direction.

HINT:

- The low beam and high beam headlight are a unit. Adjusting the aim on the low beam to the correct position should also result in the high beam adjustment being correct.
- If it is not possible to correctly adjust headlight aim, check the bulb, headlight unit, and headlight unit reflector installation.
- The headlight aim moves up when turning the aiming screw clockwise, and moves down when turning the aiming screw counterclockwise.

