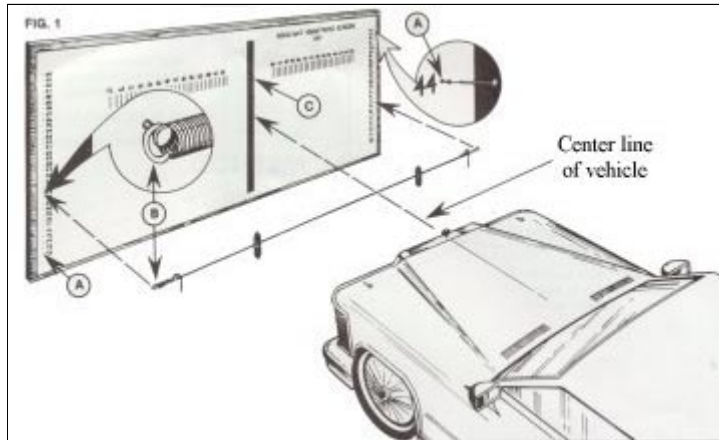


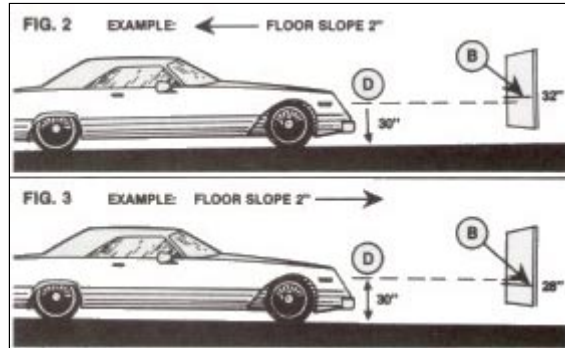
Hoppy Aiming Screen Manual

HOW TO USE THE AD1 HEADLIGHT ADJUSTMENT SCREEN



1. Install screen on a plywood panel 10x4 (Fig. 1).
2. Place a nail through the black dot (A) at each number (inches) on both ends of the screen. The spring on each end of the adjustable black line (B) will be placed over the proper nail.
3. Panel can be made to free-stand or hang on a wall.
4. The center line of the vehicle width (car axis) must be aligned with the wide black stripe (C) in the center of the screen.

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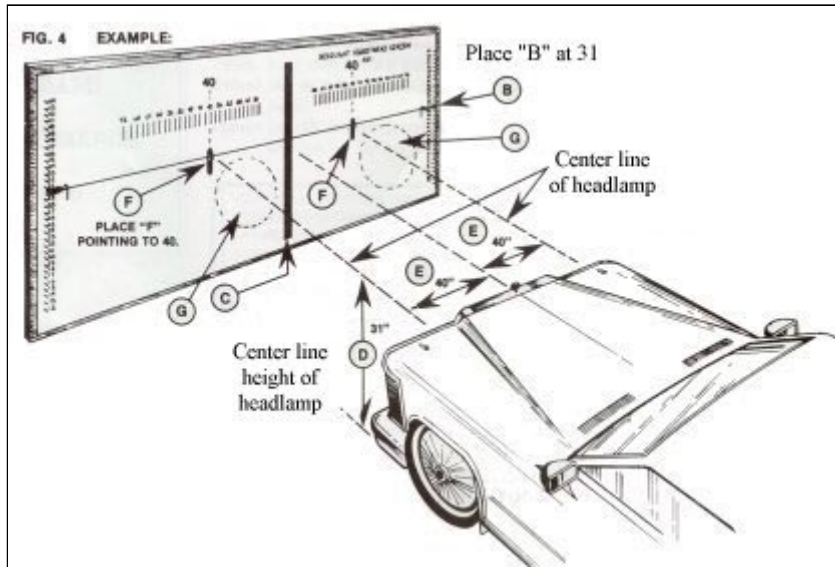
5. The floor between vehicle and screen must be level or compensation made on the screen for the slope of the floor.

Example:

If floor slopes 2" away from the screen and the center line height (D) is 30", you must add 2" or place (B) at 32" on the screen (Fig. 2)

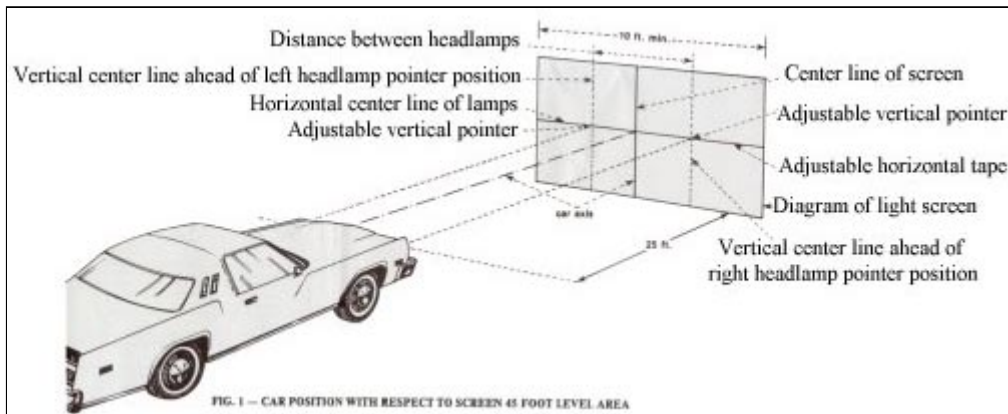
If the floor slopes 2" toward the screen and the center line height (D) is 30", subtract 2" and place (B) at 28" on the screen (Fig. 3)

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6. Measure the center line height of the headlamps (D) and place the adjustable horizontal black line (B) at that height on the screen (Fig. 4). Place line at closest inch mark. There is no need to worry about fractions of an inch.
7. Measure from front center of vehicle to center of each headlamp (E) and place the black metal pointers (F) at that distance on the horizontal black line.
8. With no ambient light in the aiming area, the headlamps will project a high intensity zone (G) on the screen. The headlamps then should be adjusted to locate the high intensity zone as shown on the following pages.

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Parts included in package:

- 1 - Horizontal Tape
- 2 - Vertical Pointers
- 1 - Printed Screen

CONSULT YOUR STATE MANUAL FOR STATE RECOMMENDED TOLERANCE FOR VISUAL AIMING

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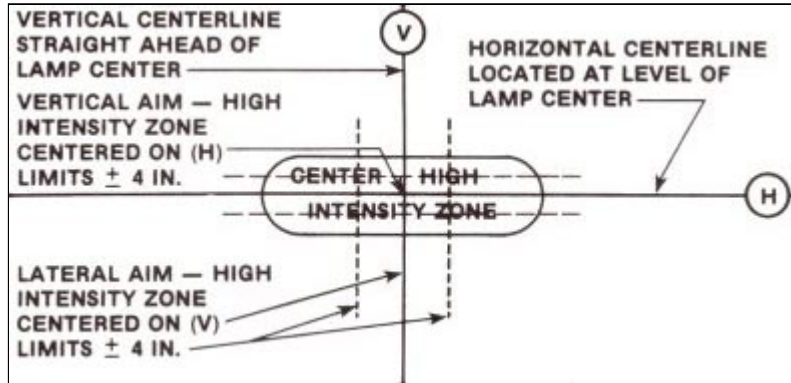


FIG. 2 - AIM INSPECTION LIMITS FOR UPPER BEAM OF:

5.75 in. (146mm), 4 x 6.5 in. (100 x 165mm) Type 1 or 1A Sealed Beam

7 in. (178mm), 5.6 x 7.9 in. (142 x 200mm) Sealed Beam, except Type 2, 2A or 2B

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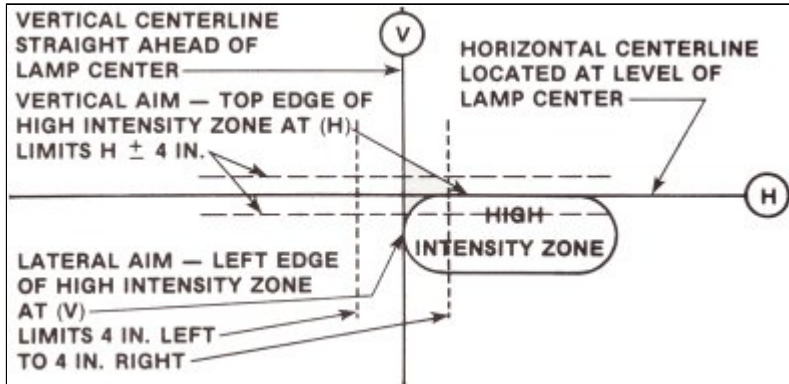


FIG. 3 - AIM INSPECTION LIMITS FOR LOWER BEAM OF:

5.75 in. (146mm), 4 x 6.5 in. (100 x 165mm) Type 2 or 2A Sealed Beam

7 in. (178mm), 5.6 x 7.9 in. (142 x 200mm) Type 2 or 2B Sealed Beam Caution - Do not aim or inspect these lamps on the upper beam

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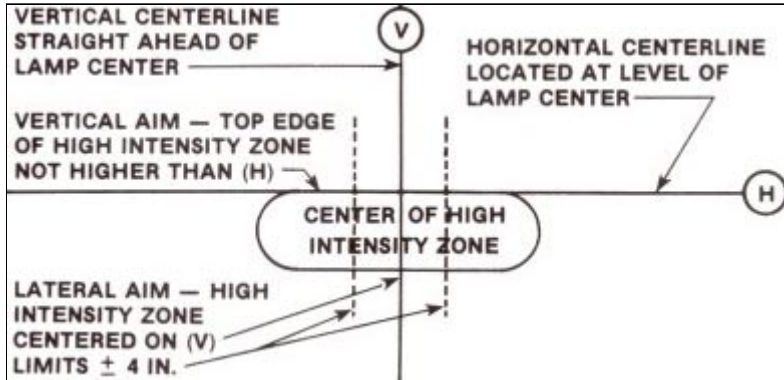


FIG. 4 - AIM INSPECTION LIMITS FOR SYMMETRICAL BEAM FOG LAMPS

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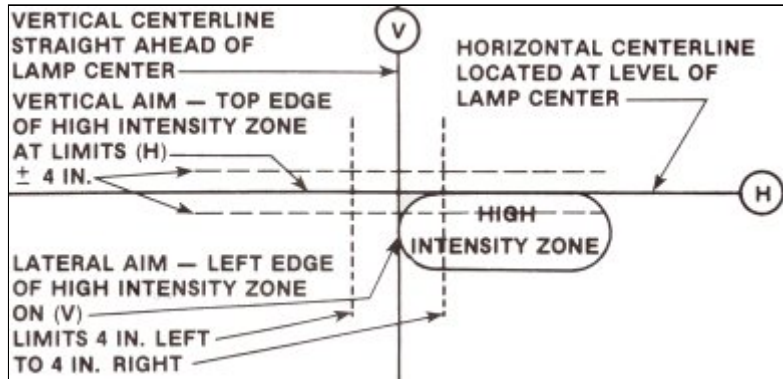


FIG. 5 - AIM INSPECTION LIMITS FOR ASYMMETRICAL BEAM FOG LAMPS