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Coding Information

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**Title: Headlight Aiming on 4300 and 4400 Models**

**Applies To: All Pre-2007 4000 series HPV**

## DESCRIPTION

Headlights on above models can be aimed without the use of special tools.

## ADJUSTMENT PROCEDURE

1. Locate a flat level surface that faces a clean wall. A clear distance of 25 feet between the front of the truck and the wall is required.
2. Perform this procedure in an area out of direct sunlight as darker areas make it easier to see headlight beam definition.
3. Ensure that the hood is latched in the normal driving position, tire pressure is equalized, the truck has a typical load and there is no heavy accumulation of snow, ice or mud on the vehicle
4. Park the vehicle perpendicular to the wall with 25 feet between the headlights and the wall.
5. Measure the vertical distance from the ground to the horizontal centerline of the headlight bulb. Each headlight assembly has a small circle in the headlight lens that identifies the headlight bulb centerline.
6. Using the same vertical height as measured in Step 5, mark a horizontal line on the wall at the same height as the headlight bulb. The horizontal line should be the width of the vehicle.
7. Locate the hex head adjusting screw on the backside of the headlight housing. It is located inboard and just below the headlight bulb access cap.
8. Adjust the headlight vertical adjustment with a 4-mm socket. The right light should be blocked while aiming the left, and vice versa.
9. Adjust the headlight low beam so that the top of the beam pattern is even with the line on the wall. Horizontal (side to side) adjustment is preset and should not be changed.



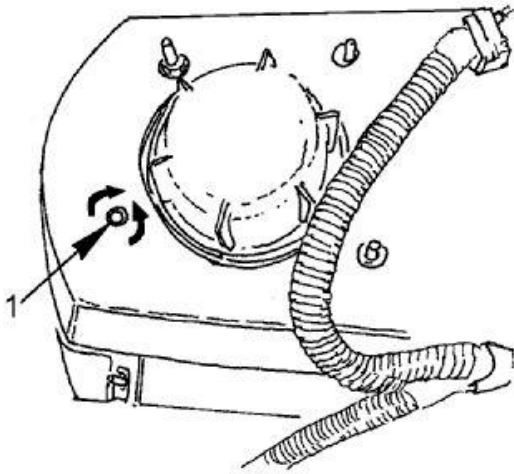


Figure 6. Headlamp Adjustment

1. ADJUSTMENT SCREW

**NOTE:**

**Text HereIn the event this headlight adjustment procedure conflicts with state or provincial regulations, then the state or provincial regulations must prevail.**

**OTHER RESOURCES**

- [TSI 01-09-02](#)
- [AFC 01905](#)

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