

Supplement to the 1998 and 1999 Buick Regal and Century Owner's Manuals

This information replaces the "Headlamp Aiming" portion located in Section 6 in your owner's manual.

Headlamp Aiming

Your vehicle has a headlamp system equipped with horizontal aim indicators. The aim has been pre-set at the factory and should need no further adjustment. This is true even though your horizontal aim indicators may not fall exactly on the "0" (zero) marks on their scales.

Vertical aiming is done visually and requires the use of a wall (e.g. garage door) located at the end of a level surface approximately 40 to 45 feet (12.2 to 13.7 m) long by 12 feet (3.6 m) wide.

If your vehicle is damaged in an accident, the headlamp aim may be affected. Aim adjustment to the low beam may be necessary if it is difficult to see lane markers (for horizontal aim), or if oncoming drivers flash their high beams at you (for vertical aim). If you believe your headlamps need to be re-aimed, we recommend that you take it to your dealer for service; however, it is possible for you to re-aim your headlamps as described in the following procedure.

NOTICE:

To make sure your headlamps are aimed properly, read all the instructions before beginning. Failure to follow these instructions could cause damage to headlamp parts.

Item No. 99093

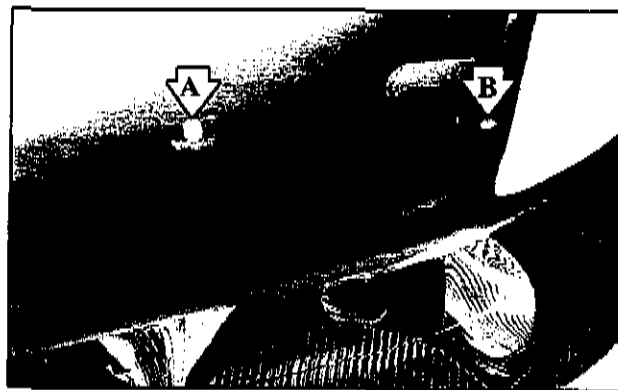
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To check the aim, the vehicle should be properly prepared as follows:

- The vehicle must have all four tires on a perfectly level surface.
- If necessary, pads may be used on an uneven surface.
- The vehicle should not have any snow, ice or mud attached to it.
- The vehicle should be fully assembled and all other work stopped while headlamp aiming is being done.
- There should not be any cargo or loading of the vehicle, except it should have a full tank of fuel and one person or 160 lbs. (75 kg) on the driver's seat.
- Close all doors.
- Tires should be properly inflated.
- Rock the vehicle to stabilize the suspension.

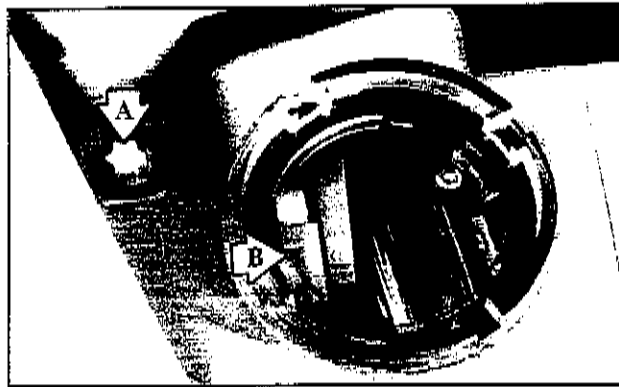
Headlamp Horizontal Aiming



Driver's Side Headlamp Shown

- A. Vertical Aim Adjustment Screw
- B. Horizontal Aim Adjustment Screw

Open the hood and locate the vertical and horizontal aim adjustment screws. The aiming screw for the vertical aim (A) is at the center of the headlamp cover and the aiming screw for the horizontal aim is located on the indicator on the outboard side of the headlamp cover (B).



Passenger's Side Headlamp Shown

- A. Horizontal Aim Adjustment Screw
- B. Horizontal Block Index Plate

Start with the horizontal aim. The adjustment screws can be turned with an E8 Torx[®] socket.

NOTICE:

Horizontal aiming must be performed before making any adjustment to the vertical aim. Adjusting the vertical aim first will result in an incorrect headlamp aim.

Turn the horizontal aiming screw until the indicator is lined up with zero.

Once the horizontal aim is adjusted, then adjust the vertical aim.

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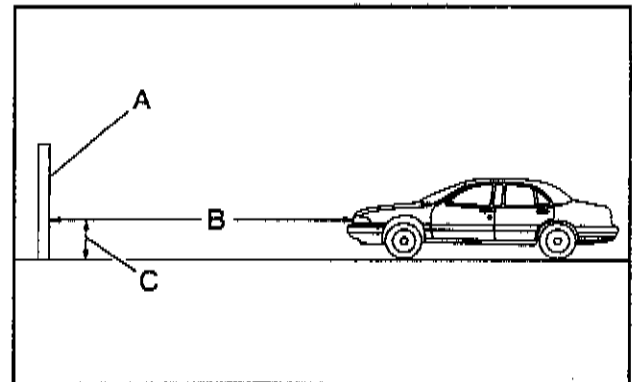
Headlamp Vertical Aiming

NOTICE:

Horizontal aiming must be performed before making any adjustment to the vertical aim. Adjusting the vertical aim first will result in an incorrect headlamp aim.

The vehicle should be properly prepared as follows:

- The vehicle should be placed so the headlamps are 25 feet (7.6 m) from a light colored wall or other flat surface (e.g. garage door).
- The vehicle must have all four tires on a perfectly level surface which is level all the way to the wall or other flat surface.
- The vehicle should be placed so it is perpendicular to the wall or other flat surface.



- A. Wall or Garage Door
- B. 25 feet (7.6 m)
- C. 26 inches (66 cm)

Headlamp vertical aiming is done with the low-beam headlamps. The high-beam headlamps will be correctly aimed if the low beams are aimed properly.

1. Using a tape or equivalent, measure from the floor upwards a distance of 26 inches (66 cm) and place a piece of masking tape on the flat surface directly in front of the left headlamp.

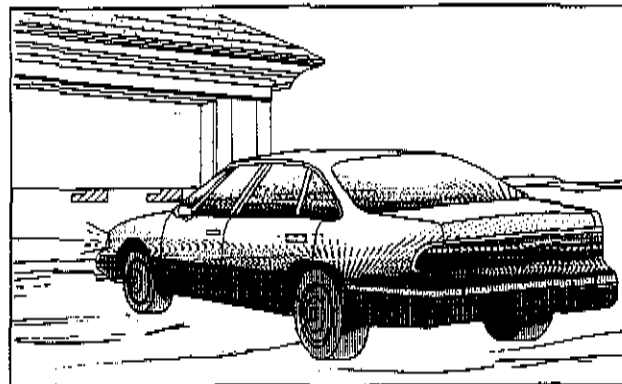
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2. Make the same measurement and place a piece of masking tape on the flat surface directly in front of the right headlamp.
3. Extend a long piece of masking tape horizontally across the width of the flat surface at the measured distances. At this point you should have a level horizontal line of masking tape that is 26 inches (66 cm) from the floor across the width of the flat surface.

NOTICE:

Do not cover a headlamp to improve beam cut off when aiming. Covering a headlamp may cause excessive heat build up which may cause damage to the headlamp.

4. Turn on the low-beam headlamps and place a piece of cardboard or equivalent in front of the headlamp not being aimed. This should allow the beam cut off of the headlamp being aimed to be seen on the flat surface.



5. Turn the vertical aiming screw until the headlamp beam is aimed to the horizontal tape line as shown.
6. Remove the cardboard from in front of the headlamp and place it in front of the other headlamp.
7. Turn the vertical aiming screw until the headlamp beam is aimed to the horizontal tape line as shown.

NOTES