

How to Properly Aim RV Headlights

All steps must be completed on a flat level surface which is adjacent to a vertical wall. **It is suggested that this process be used for EACH model or EACH headlight system as measurements will vary.**

You will need a straight edge, some masking tape, and a tape measure to perform these steps.

A. Pull the vehicle up, as straight as possible, so that it is within one foot or so (30cm) of the wall. Use a straight edge from the centerline of the vehicle's hood or grille to the wall and mark this on the wall with a vertically placed piece of masking tape about 18 inches (45cm) long. Mark this strip as CENTERLINE.

B. Pull the vehicle straight back until the headlights are 25 feet (7m 62cm) from the wall. We recommend that you measure to each headlight so that you are sure the vehicle is perpendicular to the wall, otherwise your measurements will be skewed.

C. Make the following measurements and note them in the spaces provided below. Measure from the:

1. ground to the center of one of the low beam headlights: _____ inches / cm
2. center of one of the low beam headlights to the centerline of the vehicle: _____ inches / cm

For vehicles with separate high beam systems, also measure from the:

3. center of one of the high beam headlights to the centerline of vehicle: _____ inches / cm

D. Make a mark on the tape strip labeled CENTERLINE that is exactly 2 inches (5cm) lower than measurement # 1 from above.

E. Make a level horizontal line on the wall with masking tape using this mark as its height center. This should be the same width as the vehicle. Mark this strip as LOW BEAM.

F. On this line, mark the tape from the center out both directions per measurement # 2 above.

G. Place 6 inch (15cm) long pieces of masking tape centered vertically over these marks. Mark these as LOW CENTER.

When completed, your tape lines should appear like *Diagram 1*.

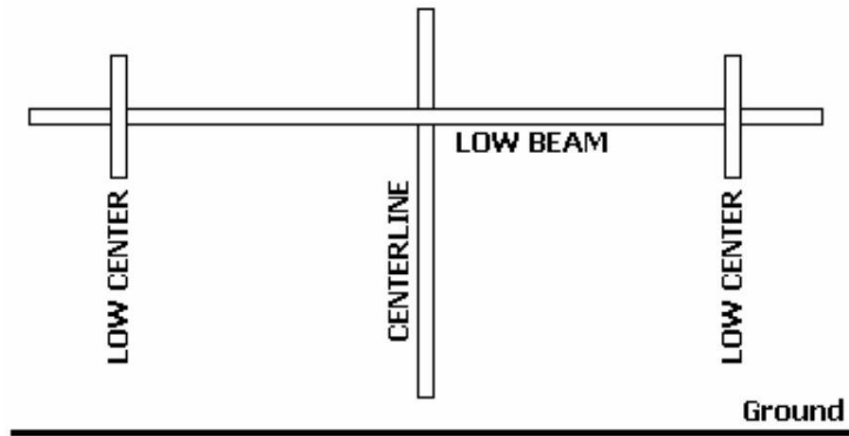


Diagram 1

For vehicles with separate high-beam systems, also perform Steps H-K:

H. Make a mark on the CENTERLINE tape that is the same height as measurement # 1 above.

I. Make a 2nd level horizontal line on the wall with masking tape using this mark as its height center. This should also be the same width as your vehicle. Mark this strip as HIGH BEAM.

J. On this line, mark the tape from the center out both directions per measurement # 3 above.

K. Place 6 inch (15cm) long pieces of masking tape centered vertically over these marks. Mark these as HIGH CENTER.

When completed, your tape lines should appear like **Diagram 2**.

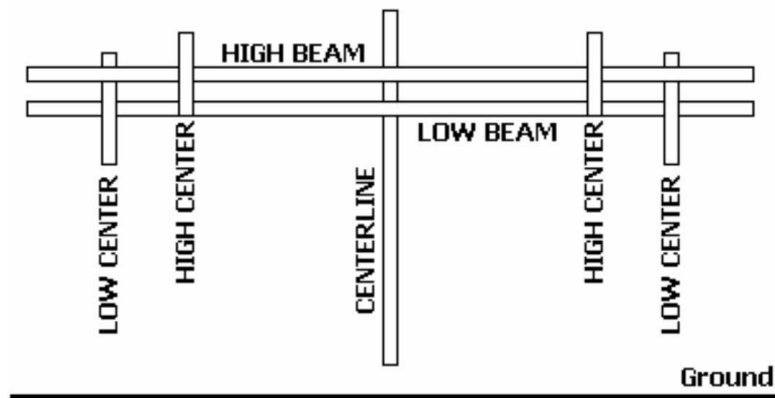


Diagram 2

L. Adjust the headlights. [Vertical/Horizontal adjustment may vary depending on headlamp system.

Use required wrench or screwdriver for adjustment. **DO NOT USE ELECTRIC/AIR DRILL ON ADJUSTER AS THIS MAY STRIP THE NYLON ADJUSTER.**]

1. Turn the headlights ON and adjust the vertical aim of the headlights so that the top horizontal cutoff of each of the beams is located along the LOW BEAM line on the wall.
2. Adjust the horizontal aim of the low beam headlights so that the point at which the top cutoff of the beam begins to slope upwards is located as shown in **Diagram 3**.

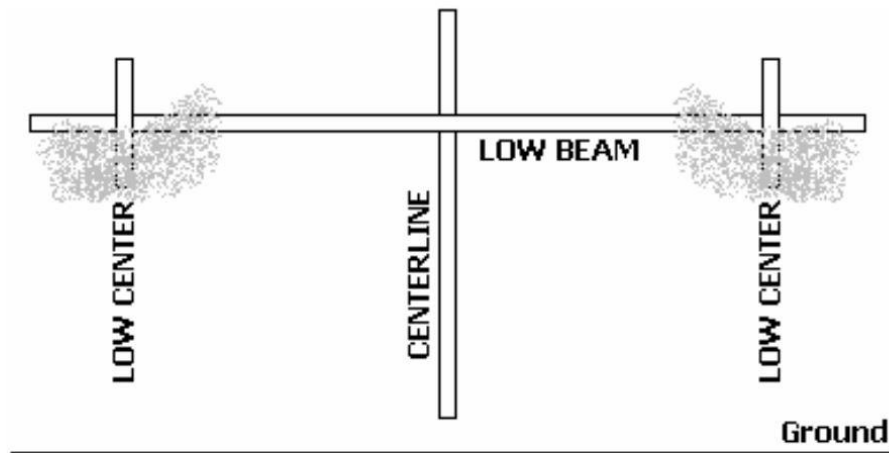


Diagram 3

For vehicles with separate high-beam systems, also perform the following:

3. Turn the high beams ON and adjust them so that the center of the illuminated region is located at the cross formed by the strips of tape marked HIGH BEAM and HIGH CENTER as shown in *Diagram 4*.

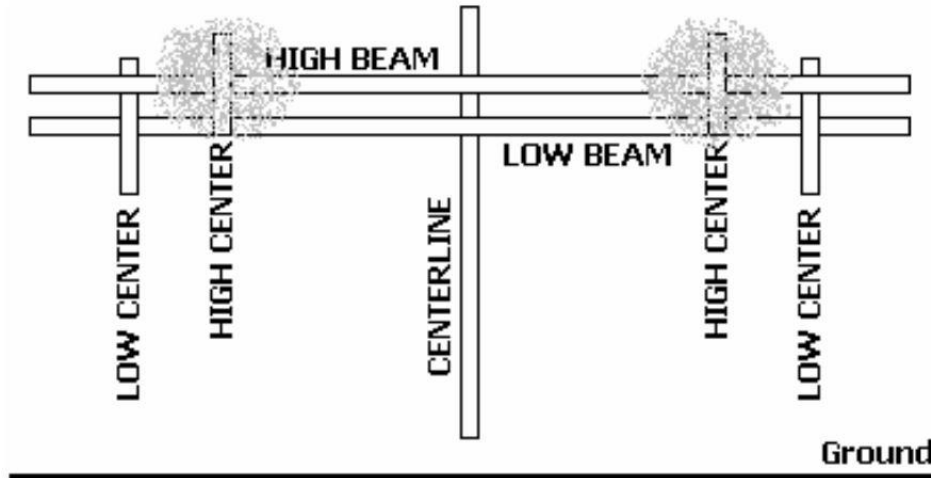


Diagram 4

Feel free to contact your ABC representative at any time with questions.