

### HEADLIGHTS MUST BE AIMED AFTER INSTALLATION.

Headlight must be securely mounted and properly aimed such that the beam pattern “cut off line” complies with all applicable regulations. **If you are not familiar with the legal requirements for aiming your headlights, please see a professional service provider.** We recommend that headlights are aimed with a headlight aiming system for proper alignment. Failure to properly aim your headlights is a risk to other drivers and could result in tickets or citations with local authorities. **VintagecarLEDs** is not liable for any damage to the vehicle or light, or any tickets/citations as a result of using these guidelines.

#### BEFORE INSTALLATION:

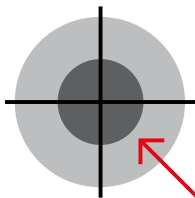
1. Vehicle is being aimed on a level surface.
2. All tires are properly inflated.
3. Vehicle is at normal driving height (applicable to vehicles with hydraulic lifts). **Note: Headlights must be AIMED AGAIN if a lift kit is added or removed from the vehicle.**
4. If you have a laser level, it will expedite the aiming process and will help to increase accuracy in aiming.

#### REQUIRED SUPPLIES:

- Tape or chalk to mark X and Y lines
- Corresponding tools for your vehicle's aiming mechanism

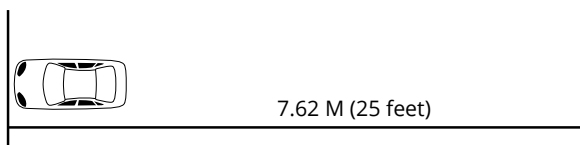
#### KEY TERMS:

**Hot Spot:** The brightest part of the pattern, usually in the center.

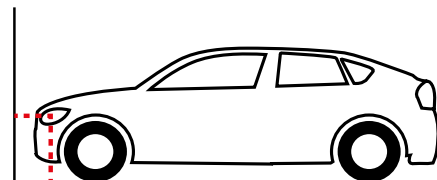


#### AIMING GUIDELINES:

**1.** Park your vehicle close to a wall, in an area where there is at least 7.62 meters (25 feet) of space behind it (excluding the car length).



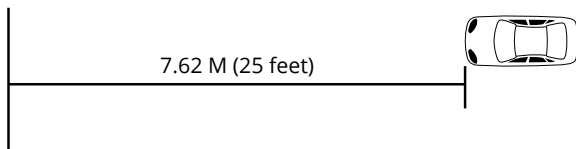
**2.** On the wall, draw a line from the ground to the approximate center point of the headlight. Repeat for the other headlight. This will create your Y axis lines.



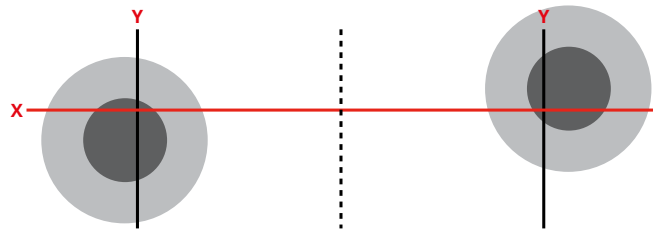
3. Connect the center points between headlights in a straight line, using chalk or tape. This will create your X axis line. **NOTE: Use a straight edge and a level to make sure this line is straight.**



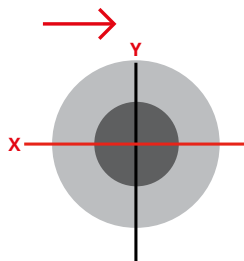
5. Reverse your vehicle in a straight line so that the front of the headlights are 7.62 meters (25 feet) back from the wall.



6. When you first turn on your vehicle after installing your headlights, the **Alignment Points** may be positioned differently than shown and will likely be aimed differently from each other.



8. On the same headlight, adjust the same headlight horizontally until the alignment point is even with the Y axis.

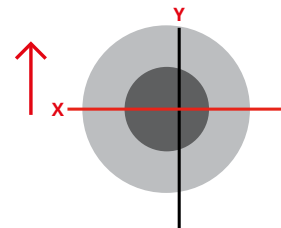


4. Extend your vertical, Y axis lines up approximately 3 feet. Your lines should match the diagram below, when looking at the lines straight on.



The goal of this sheet is to aim BOTH of your headlights so that the center of the **Hot Spot** is at the v of the horizontal X and vertical Y lines you have drawn. The following directions illustrate the process and proper aiming of headlights.

7. Using the alignment mechanisms in your vehicle, adjust one headlight vertically until the alignment point is even with the X axis.



9. Repeat this process on the other headlight. Both headlights should match the diagram below, where the alignment point is even with the point where the X and Y axis crosses.

