

INSTRUCTION INFORMATION

Estimated Time	30 minutes
Tools Needed	Screwdriver (Varies by vehicle)
In the Box	(x1) Model 6130 Evolution Headlight
Wire Functions	
<i>Low Beam Only Version</i>	Black = Ground Yellow = DRL White = Low Beam
<i>High/Low Beam Version</i>	Black = Ground Yellow = Low Beam White = High Beam Red = Front Position
Input Voltage	12-24V DC
Operating Voltage	10-30V DC

Regulatory Compliance



Product Specifications

For a complete list of product specifications, scan the QR code to the right, or visit www.jwspeaker.com and search "Model 6130 Evolution."



Installation Guidelines

BEFORE INSTALLATION:

1. Read all safety notes and mounting guidelines before installing the product. Verify that all parts listed under "In the Box" are present and complete.
2. Inspect the product for damage. **DO NOT** install the product if there is any damage. Contact the distributor where you purchased it to initiate a warranty claim if there is damage.
3. Verify that all power supply and/or charging systems comply to the specified voltage limits for the light.

IMPORTANT NOTE:

The warranty on this product **does not cover** claims resulting from:

- Abuse, neglect and/or accidents
- Modifications and/or alterations
- Improper installation and/or use
- Chemicals and/or cleaners
- Voltage transients and/or spikes

Please refer to the warranty statement for full details.

Complete warranty information is available at www.jwspeaker.com/warranty.

To properly install this light you should have a good understanding of automotive electrical procedures and systems, and proficiency in the installation of headlights. If you do not, please seek professional assistance.

INSTALLATION:

1. Turn off the vehicle and disconnect the battery.
2. Remove the existing headlights from the vehicle. Be careful not to damage the vehicle and keep all hardware that attaches the headlight to the vehicle.
3. Disconnect the existing headlight.
4. Use the bare wires from the back of the Model 6130 Evolution to connect the headlight in the vehicle.
5. Lay and secure wires to avoid any pulling or abrasion that may damage the wires or light.
6. Install the headlight with the existing hardware into the vehicle.

7. Aim the headlights (see reverse of this sheet).

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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. J.W. Speaker 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 listed vehicles).

NOTE: If a lift kit is added or removed from the vehicle, headlights MUST be AIMED AGAIN.

REQUIRED SUPPLIES:

- Tape or chalk to mark lines
- Corresponding tools for your vehicle’s aiming mechanism

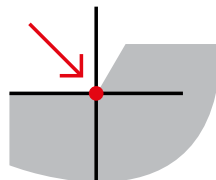
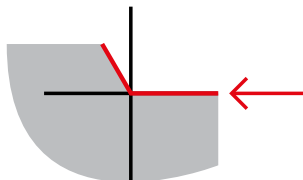
OPTIONAL SUPPLIES:

- Laser level to expedite the aiming process and will help to increase accuracy in aiming

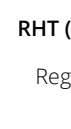
KEY TERMS:

Kink (elbow): The top of the pattern that is the cutoff when aimed at a wall.

Alignment Point: The center of the angle in the **Kink** that must align to the center point when aiming the light at a wall.



LHT (Left Hand Traffic):
ECE Regulation countries
like the United Kingdom

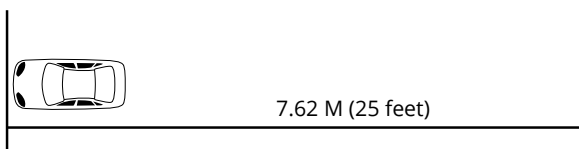


RHT (Right Hand Traffic):
DOT (and some ECE)
Regulation countries like
the United States

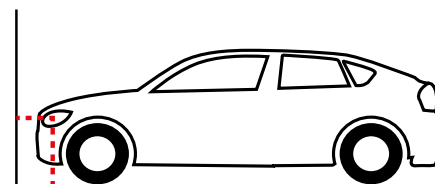
The following instructions are illustrated for RHT vehicles. Aiming for LHT vehicles will be mirrored to what is shown.

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.



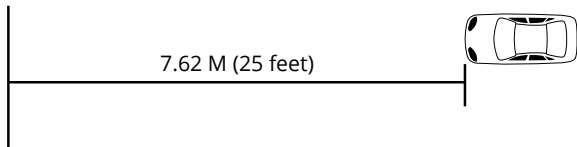
3. Connect the center points between headlights in a straight line, using chalk or tape. This will create your X axis (horizontal) line.
NOTE: Use a straight edge and a level to make sure this line is straight.



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

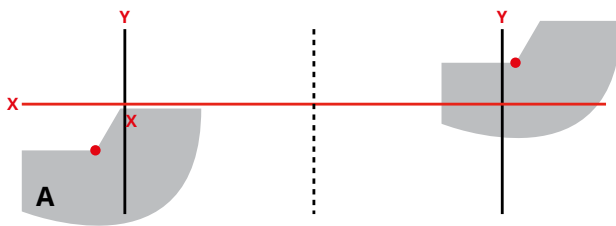


5. Reverse your vehicle in a straight line so that the front of the headlights are 7.62 meters (25 feet) back from the wall.

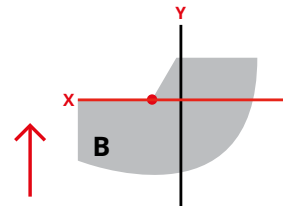


The goal of this sheet is to aim BOTH of your headlights so that the **Alignment Point** is at the crosssection of the horizontal X and vertical Y lines you have drawn. The following directions illustrate the process and proper aiming of headlights.

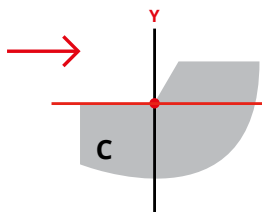
6. When you first turn on your vehicle after installing your headlights, the **Alignment Points** may be positioned differently than shown and will likely be aimed differently from each other.



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



8. On the same headlight, adjust horizontally until the **Alignment Point** is even with the Y 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.

