

INSTALLATION INSTRUCTIONS

⚠ WARNING

To properly install this light you should have a good understanding of electrical procedures and systems. **IF YOU DO NOT, PLEASE SEEK PROFESSIONAL ASSISTANCE.**

BEFORE INSTALLATION:

Estimated Time:	90 minutes
Tools Needed:	Drill 6mm or ¼ in. drill bit T30 Torx driver #2 Phillips head screwdriver 7/16" wrench
Wire Functions:	See Wiring Chart on page 3.
In the Box:	(x1) Adjuster Ring (x1) Adjuster Plate (x3) Springs (x3) ¼ x 1.5" Screws (x3) 8x32 x ¼" Screws (x3) ¼" Locknut Hex
Input Voltage:	12-24V DC
Operating Voltage:	10-30V DC

PRE-INSTALLATION INSTRUCTIONS:

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 authorized retailer 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.

INSTALLATION INSTRUCTIONS:

1. Turn off the vehicle and disconnect the battery.
2. Ensure that the mounting location is a FLAT, SOLID surface of the same (or larger) size as the bracket or light. This will prevent warping or distortion that can cause cracking or damage to the light and/or bracket.
3. Check condition of all wires, connectors, mating connectors, or gaskets. All connections should be adequately protected against moisture. Shrink tubing is recommended.
4. Carefully connect the wires or connector using the "Wire Functions" and "Voltage" information above. With connectors, push firmly to ensure that it is properly mated with the lamp, creating a seal to protect against water ingress.
5. Lay and secure the wiring so that no pulling or abrasion can occur. Proper installation requires there to be a little slack near the lamp to avoid pulling on the connector (which can create a path for water ingress). Wires should be adequately secured to avoid damage.
6. Secure it to the mounting surface then aim the light (if applicable).
7. Periodically check the light to make sure that it is working properly and is securely attached.

REGULATORY COMPLIANCE:



PRODUCT WARRANTY:

If you have issues with a J.W. Speaker product, please contact the authorized retailer where you purchased it.

INSTALLATION INSTRUCTIONS:

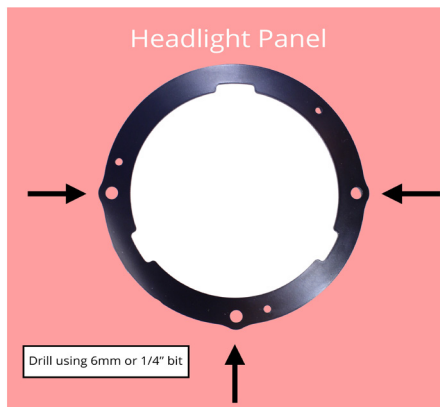


Figure 1: Using the mounting ring as a template, use a 6mm or 1/4 in. bit to drill three holes in the vehicle's headlight panel.

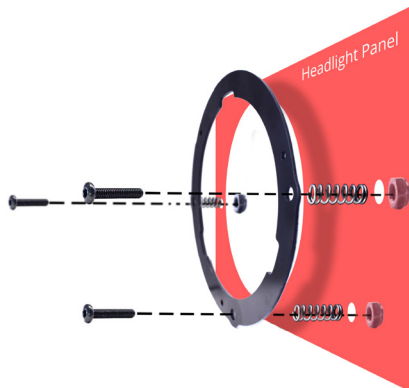


Figure 2: Insert a 1/4 x 1.5 in. screw through the mounting ring hole, then through one of the supplied springs and then into the headlight panel hole.

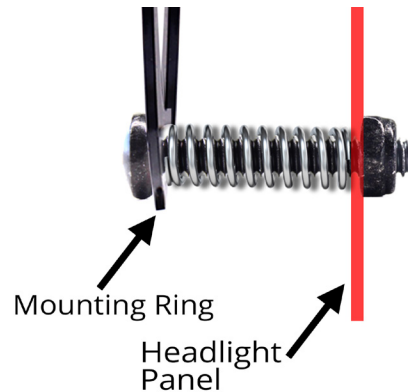


Figure 3: Snug the locknut onto the screw on the back side of the headlight panel. Repeat the process for the other two mounting holes.



Figure 4: Slide the headlight into the mounting ring. Make sure the alignment tabs seat in the ring slots (see inset). Use the Speaker logo or regulatory printing to verify proper orientation.

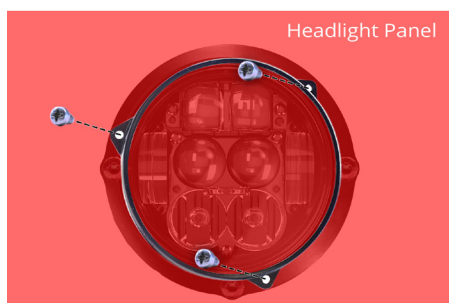


Figure 5: Secure the light to the mounting ring using the supplied trim ring and three 8x32 x 1/4" phillips screws.

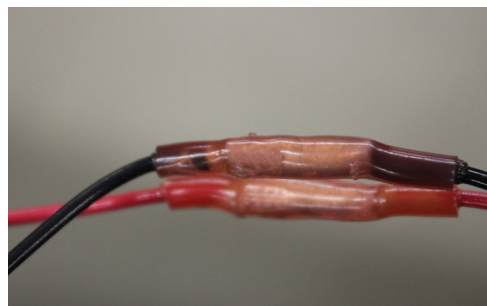


Figure 6: Connect the light wires. NOTE: Wiring functions vary by light. See the wiring chart below.



Figure 7: Tighten the three Torx screws until the springs are compressed approximately halfway. If there is an obstruction, back out all three screws about 1/4 inch.

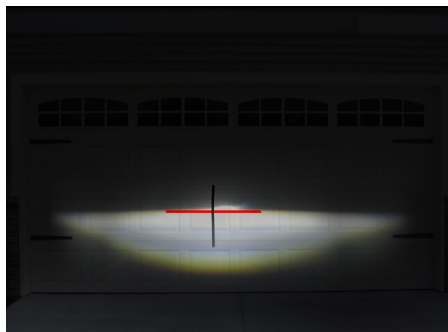


Figure 8: Adjust the headlights' vertical and horizontal aim by turning the Torx screws.

J.W. SPEAKER
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WIRING CHART

Part Number	Description	Black	Yellow	White	Red
0549881	12-24V DOT/ECE LED RHT High & Low Beam Headlight	Ground	Low	High	Front Pos.
0549891	12-24V ECE LED LHT High & Low Beam Headlight	Ground	Low	High	Front Pos.

