






PRE-INSTALLATION INFORMATION

Estimated Time	60 minutes
Tools Needed	#2 Phillips Screwdriver Flat Blade Screwdriver
In the Box	(x2) Model 6145 J2 Series Fog Lights (x2) Plastic Housing Buckets (x2) Wire Harnesses
  	A. (x2) Plastic Nuts B. (x2) Springs C. (x2) Adjustment Screws
	<i>For individual lights, one of each item listed above is packed with the light.</i>
Wire Functions	Black = Ground Red = Power
Input Voltage	12V DC
Operating Voltage	10-15V DC

Regulatory Compliance



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.

Pre-Installation Guidelines

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.

PRODUCT WARRANTY:

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

INSTRUCTIONS BEGIN ON THE NEXT PAGE

Installation Instructions

1. Unplug the lamp.

NOTE: You will install the first lamp completely before removing the second. The second lamp is necessary for aiming the first fog light.



2. Remove the 4 Phillips screws from existing fog lamp with a Phillips screwdriver and save the screws. Remove the fog lamp from the vehicle.



STOP

A. Compare connectors between the Model 6145 J2 Series and your vehicle. ***If the connector DOES NOT MATE then splicing is required.*** If the connector does mate, skip forward to step 3.

B. To splice, use one of the provided wire harnesses. It is easiest to splice by pulling the vehicles' connector through the front of the bumper.

NOTE: This lamp is polarity sensitive. Red = Power, Black = Ground.

If you are not comfortable with splicing, seek professional assistance.

NOTE: The complete lamp assembly will not fit between the sway bar and the frame in some vehicles. The next installation steps are performed with the components above the sway bar and frame.)

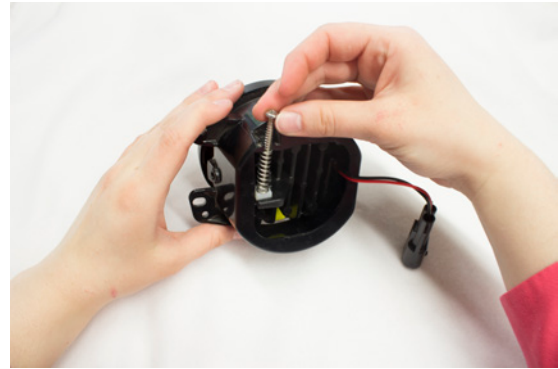
3. Slide the white nut into the fin on the back of the lamp as shown in the picture. The small end of the nut should be pointed **TOWARDS** the yellow breather patch.



4. Align the back fin on the lamp with the screw hole on the plastic housing. Snap the lamp into the housing starting with the side closest to the white nut.

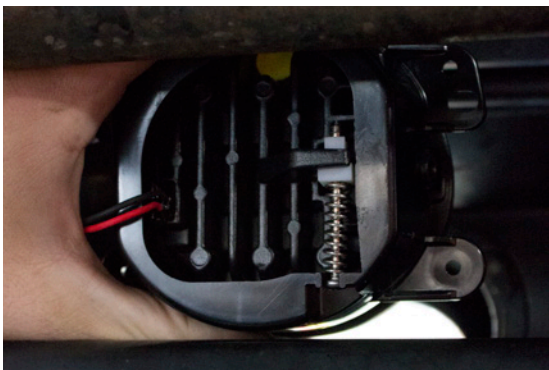


5. Pass the aiming screw through the slot in the plastic housing, the spring and into the white nut. Turn the screw with a Phillips head screwdriver until the threads engage.



6. Hold the lamp assembly into the bumper. Use the 4 mounting holes to align it into position.

NOTE: Do not install the 4 mounting screws yet. There is limited space for a screwdriver so it is easier to aim the lamp when it is loose.



7. Plug in the lamp and turn on the fog lamps while holding the lamp in place. Compare the pattern of the light coming from the 2 fog lamps as the shine on the wall by covering and uncovering each lamp individually.



8. Rotate the adjustment screw (clockwise to raise, counterclockwise to lower) on the rear of the lamp to aim the light like the existing fog light.

NOTE: The horizon (cut-off from light to dark) of the two lamps must align.



9. When the existing and new fog light horizon lines are aligned, use the 4 existing mounting screws to install the lamp assembly to the bumper.



10. Repeat steps 1-9 on the second lamp.