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THE SCIENTISTS OF LIGHTING

**(44-0027, 44-0028, 44-0029, 44-0030, 44-8129, 44-8132)
(2014-2018) Mercedes Sprinter Van Fog Pocket Kit**



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LIMITED LIFETIME WARRANTY

Baja Designs proudly offers a LIFETIME WARRANTY against manufacturer's defect on all the products that we manufacture.

These are comprehensive warranties; other than the exclusions below – you're covered. If your LED or HID bulb burns out, you're covered. Additionally, cutting off our connector or changing your lenses does not automatically void your warranty.

Exclusions:

Installation errors, abuse, misuse or crash damage. You must be the original owner of the product and can supply proof of purchase.

Baja Designs manufactures its own products as well as resells products manufactured by others. Baja Designs makes no express or implied warranties on products not manufactured by Baja Designs including without limitation any warranties or merchantability and fitness for a purpose. We will, however, pass on all warranties made by the manufacturer, who has sole responsibility for performing such warranties.

Baja Designs will pay the freight if your product is less than 90 days old, otherwise defective products must be returned to Baja Designs, Inc., freight prepaid. At our option, we will repair or replace items in question and return them at no charge. If the identical product is no longer available, we will replace with a similar product of equal value. Baja Designs Inc. will not be responsible for any indirect or consequential damages in connection with defective merchandise.

Items purchased through a Baja Designs authorized dealer must be returned through the dealer. Only available on LED auxiliary lights and product must be in sellable condition at MSRP. Product that has been damaged in any way after the original purchase date will be excluded from this guarantee.

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Buyer hereby acknowledges off-roading, racing and driving at night are dangerous activities and that the products and/or supplies purchased from Baja Designs are used in an inherently dangerous activity that may endanger life and limb; and in no event shall the seller, or seller's heirs and assigns, be held liable for consequential damages, nor shall seller's liability on any claim for damages arising out of or connected with the sale, delivery, or use of purchased products and/or supplies exceed the purchase price of the products and/or supplies.

Buyer is responsible for ensuring that it uses the products (and its vehicle) in accordance with all applicable laws, regulations, guidelines, and standards of care. Buyer acknowledges that some products may only be used when off-roading, and Buyer will comply with all vehicle and road safety guidelines. Buyer is solely responsible for (and will indemnify and hold Bestop harmless for) any claims, losses, damages, fines, fees, costs, or other amounts arising out of Buyer's non-compliance with these provisions.

Tools Required

- *T-15 Torx
- * Trim removal tool
- *10mm Socket
- * 4mm Allen wrench
- * Sharp blade

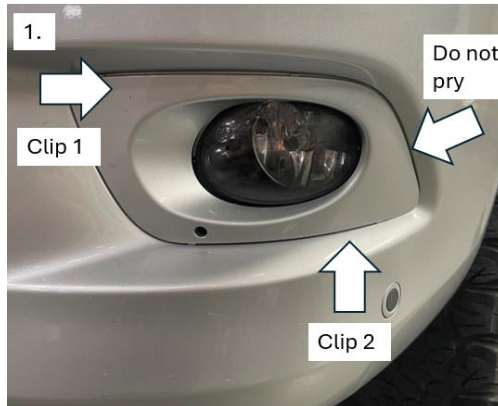
To begin, make sure the vehicle is in park, on level ground and the parking brake is engaged.

1. Using a trim removal tool, remove the plastic fog light bezel by disengaging the two clips. Tabs are marked with arrows. (Driver side shown).

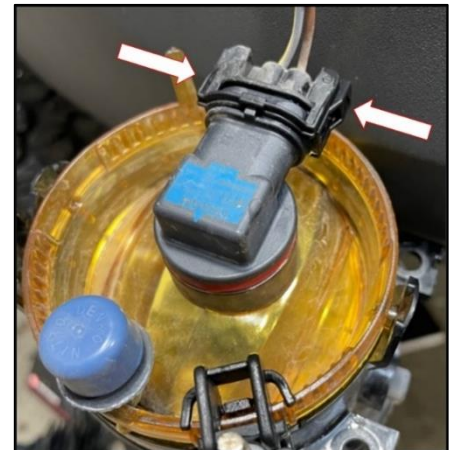
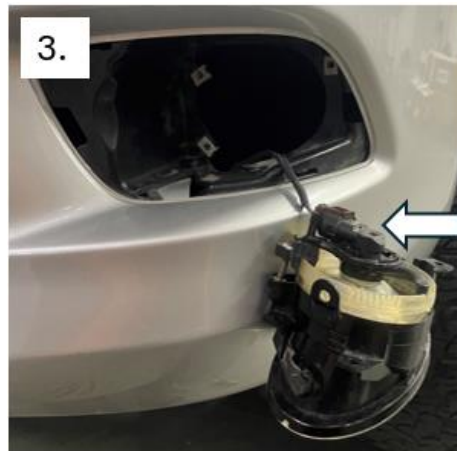
Do not pry at the outer edge as this could damage the bezel

2. Using a T-15 Torx bit, remove the three fasteners (See photo) securing the light to the vehicle and carefully remove the light. Keep hardware as it will be reused.

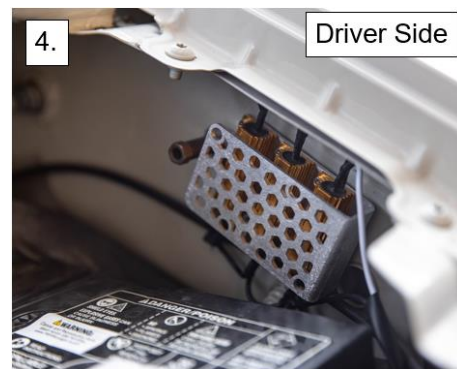
Careful to not drop a screw behind the bumper as some areas are not easily accessible



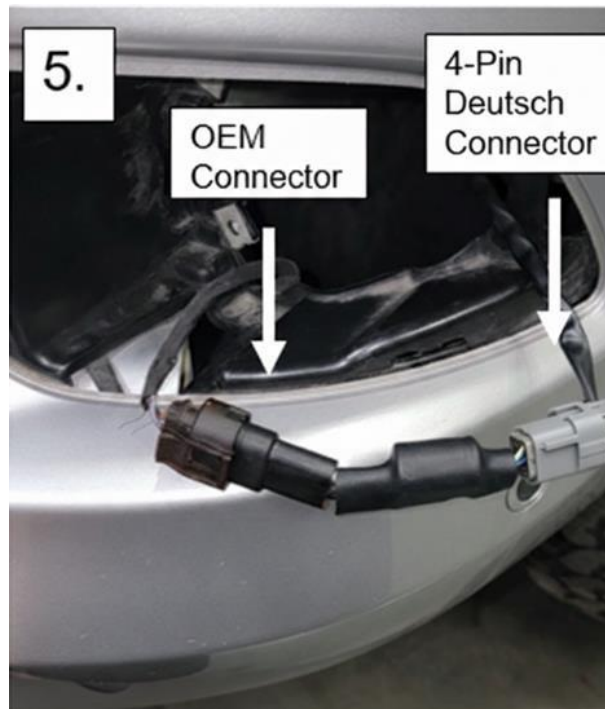
3. Push the release tabs on the OEM fog light connector. Carefully unplug the light from the harness. Put the light away in a safe place.



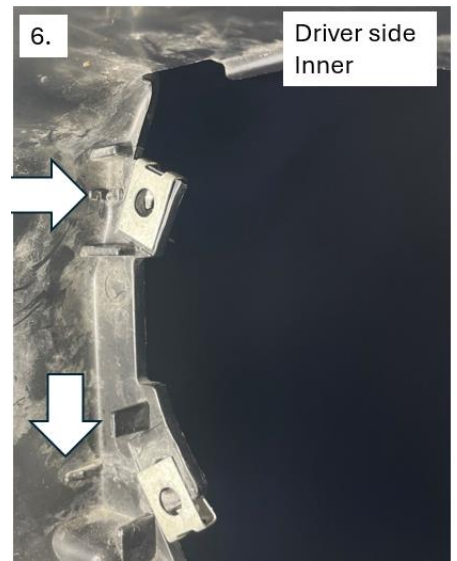
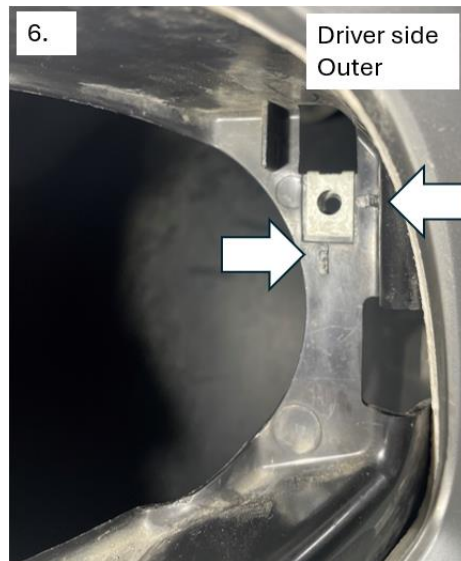
4. Locate a bolt on the inside of the engine bay such as the chassis ground pictured. Remove the bolt and install the resistor bracket using the provided mounting location. Run the wires down into the fog pocket location.



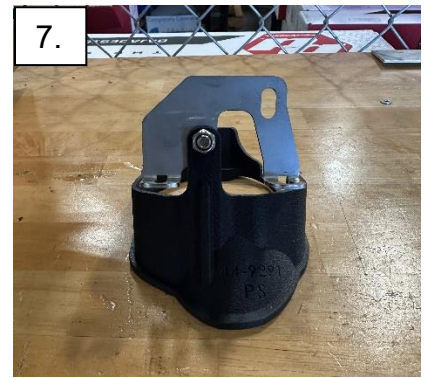
5. Plug in the connector pictured to the OEM fog light connector and leave the 4-pin Deutsch connector out ready to receive the Squadron 2.0 connector.



6. Use a sharp blade to trim the indicated tabs flat (Driver side pictured).

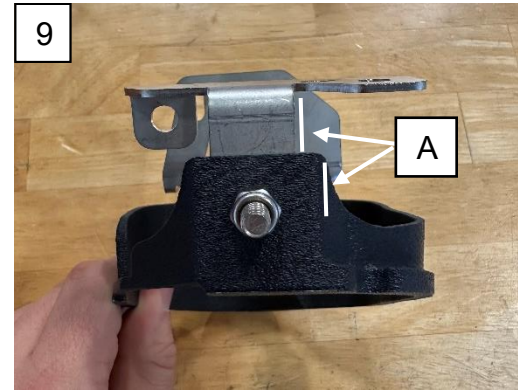


7. Install the larger metal bracket to the plastic shroud at the longer mounting tab on the shroud. Use a 10mm socket and a 4mm Hex key to install the M6 Button head along with a nut and washer. Leave loose for now.
*** Install the bolt such that the head is towards the inside of the shroud***



8. Install the smaller metal bracket onto the shorter mounting point on the shroud. Use a 10mm socket and 4mm Hex key to install an M6 Buttonhead, washer, and nut. Leave loose for now.
*** Install the bolt such that the head is towards the inside of the shroud***

9. Align the metal brackets making sure they are straight as shown in the figure provided (A). Tighten the brackets.
Careful to not overtighten as the shroud can be damaged



10. Insert the hex nuts in the Squadron 2.0 housing. Install the Squadron 2.0 to both metal bracket's lower holes. Use a 4mm Hex key to install the shorter M6 Button head (B1) and the longer M6 Button head. The longer M6 buttonhead (B2) will require the use of the spacer provided and will go onto the larger metal bracket. Adjust the light until it is straight and tighten the bolts.



11. Connect your light to the adapter. Tuck your harness into the cavity.

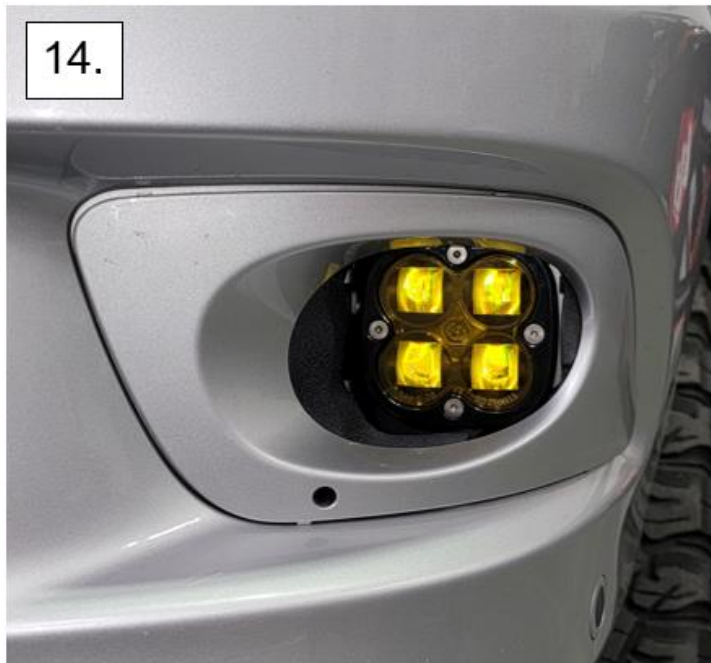


13. Install your light in the fog light opening and re-install the three fasteners removed in step 2. Make sure your fog light is sitting flat and not interfering with the tabs around the mounting location. Trim the tabs more if needed.

14. Test your light functionality.

15. Re-install the trim panel removed in step 1. Make the 2 clips are engaged.

16. Repeat Steps 1-14 for the opposite side of the vehicle.



If you want to disable the corner-illumination fog light feature, you can:

- Turn off the automatic headlights and use the manual mode, or
- Contact your local dealership to assist in disabling the feature.

*Tie all wires away from sharp, hot, and/or rotating components.

* Re-torque all the fasteners after 100 miles.

*Your install is now complete! Thank you for choosing Baja Designs.

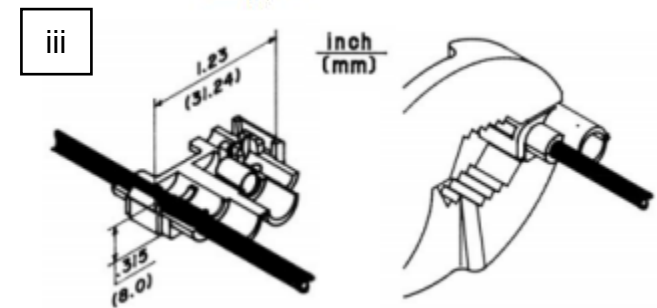
Backlight add-on harness instructions for Squadron 2.0

Note: Included with this harness is four fuse taps. In the event that none will work for your application, a splice connector is included (shown on right).

1. Locate the fuse panel in the engine compartment. Remove cover.
2. Observe the inside of the fuse box cover, or the owner's manual to determine fuse locations and functions. The goal is to find a suitable circuit that is powered on when the vehicle is turned on. It is important to choose a fuse location that does not power sensitive electrical components, such as sensors and ignition modules. Choose a fuse that is activated by turning the key and remains active while the vehicle is starting and running. The IGN fuse is highly recommended for this. Using other circuits to run the backlight may result in the color changing when not desired.
3. Once the fuse location has been chosen, the multimeter or test light will be used to determine which side of the fuse is power and which side is the output. Using either tool, touch the positive test lead to one side of the fuse socket and touch the negative lead to the negative battery post, or any convenient ground. With the keys in the off position, neither side of the fuse socket should have power. If they do, another fuse location will need to be chosen.
4. Now, turn the keys to the on position and measure each side of the fuse socket. When the test light illuminates, or the multimeter DC voltage measures 12-14V, the power side of the fuse has been determined. Insert the fuse tap into the socket with the arrowed side blade (shown in image ii) contacting the power side. Plug in the backlight harness to the female bullet receptacle of the fuse tap. If the fuse socket originally had a fuse, place it into the open socket on the fuse tap.
5. Every fuse panel is different and sometimes there are adjacent components that make it difficult or impossible to plug in a fuse tap. In this case, the splice connector will need to be used. Find a wire that is powered when the keys are on. Ideally, this wire would power the daytime running lights and not an electrically sensitive component like a sensor. With the backlight harness inserted into the female bullet receptacle of the splice connector, clasp the splice over the desired power wire and clamp with pliers until an audible click is heard. (See image iii for reference)

Tools Required

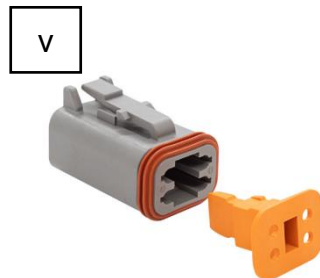
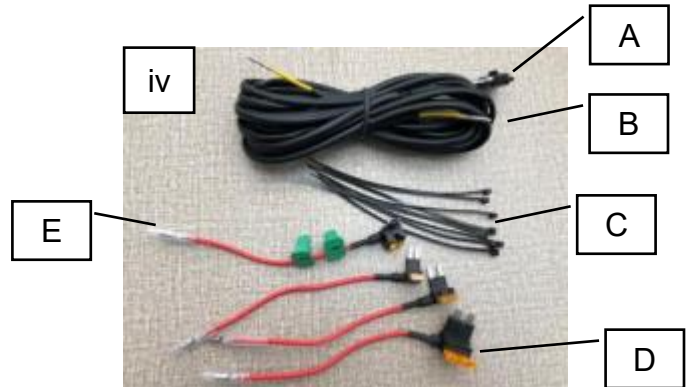
- Trim Tool (Or Flathead Screwdriver)
- Scissors
- Test Light, Or Multimeter



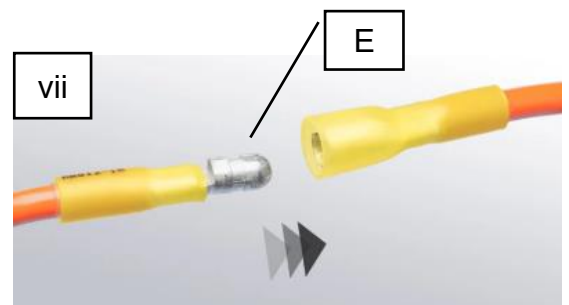
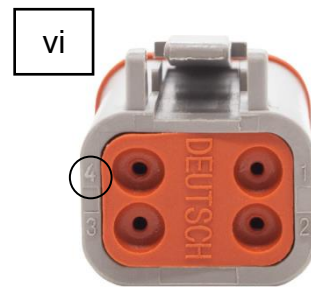
Fuse tap kit part #: 63-9209

Backlight add-on harness instructions for Squadron 2.0

6. Use the provided 5-amp fuse in the fuse tap for the backlight add-on harness (See image ii for reference).
7. Remove the Wedge lock from the plug by using a flat head screwdriver and **gently** prying along the edges with a flathead to release the lock (see image v for reference)
8. Locate the backlight add-on harness supplied in the kit. If a cavity plug was inserted previously in the PnP (Plug-n-Play) adapter, please remove it and insert the terminal inside the (3) pin location. (See image vii for reference)
9. To reinstall the wedge lock, simply push the wedge lock back in until it clicks in. (See image v for reference)
10. Determine the best routing for the backlight add-on harness.
11. Connect the bullet connector from the backlight add-on harness to the fuse tap and secure the wire harness. (Use image iii for reference)
12. Turn on the vehicle and test to see if the backlight function on the Squadron 2.0 works appropriately.
13. Use included zip ties to tie the harness out of the way of any hot and/or rotating components.



A: Splice connector
 B: Harness
 C: Zip ties
 D: Fuse taps
 E: Bullet connector



Backlight switch adapter instructions for Squadron 2.0

1. Connect the bullet connectors from the switch inline between the fuse tap and the backlight add-on harness.
2. Turn the switch on and off until the desired color is displayed as the backlight.
3. Once the desired color has been achieved, the switch can be either removed or left in. To remove the switch, turn the vehicle off and remove the switch. Reconnect the bullet connectors between the fuse tap and the backlight add-on harness. To leave the switch in line, secure the switch so it does not move. **Be sure to always leave switch in the “on” position if the switch will be left in.**



Inline switch part #: 60-0071