Baja Designs 447737UP Installation Instructions

Squadron SAE/Pro Fog Kit, Upfitter Wiring

Part number: 447737UP

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Scan for fitment, price and install help

Ford Super Duty (20-On)
Dual Squadron Fog Light Kit



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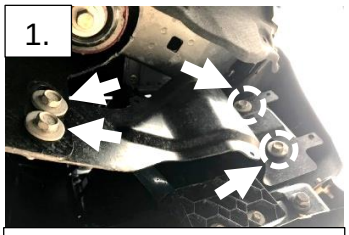
Ford Super Duty Dual Squadron Fog Light Kit Instructions

Tools Required

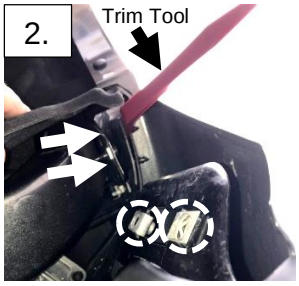
- 9/16” Wrench and Socket - 8mm, 10mm, 13mm, 15mm Sockets - 4mm Allen wrench	- Pliers - T25 Torx - Flathead Screwdriver (Trim tool)

1. To begin, use the 15mm socket to remove the four arrowed bolts that hold on the outer bumper support bracket in the passenger side wheel well. Carefully set bracket aside.



Outer bumper support

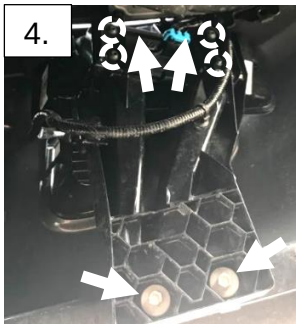
2. Use the flathead screwdriver to pry the two clips as shown. Image is the underside view of the front passenger side wheel well. (Dashed circles are the same outer bolt locations from step 1)



3. On the outer bumper bracket, use the 13mm socket to remove the lower arrowed bolt and the 13mm wrench to remove the upper arrowed bolt. Place the bracket aside.



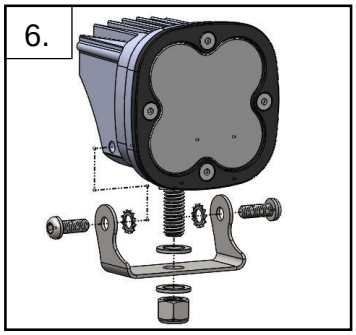
4. Use the T25 Torx to remove the four circled bolts. With the 8mm socket wrench, remove the four arrowed bolts and carefully slide the loose assembly out toward the wheel well. Remove the fog light connector. Remove the plastic fog light bracket and then remove the OEM fog light. Both will not be reused.



5. Use the pliers to squeeze the clips from inside the bumper and push out the OEM fog light fascia. Repeat steps 1-5 for the opposite side.

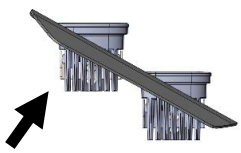


6. Assemble all four squadron lights with the 4mm Allen wrench, 9/16” wrench, and 9/16” socket. (Assemble 9/16” hex head hardware into the Squadron brackets first.)



7. With the provided adhesive backed rubber, cut it in half lengthwise. Apply material to the edges of each fog bracket as shown and trim to fit.







8. Mount each squadron onto the Baja Designs fog bracket in the desired configuration using the 9/16” wrench and socket. Mount it onto the bumper from the outside and hand thread on the washers and nuts. Carefully adjust the bracket to sit nicely in the bumper contours and then gently tighten the nuts with the 10mm wrench**. Do not over tighten as the studs can pull through.**

9. Attach the provided 2-Pin Anti-backfeed harness to the light intended to be switched with the OEM fog light switch. Connect the H10 in-line adapter to the same harness and plug into the OEM fog light connector. Repeat for opposite side. (Wiring diagram on next page)

10. Route the large splitter to both sides with the main harness plug on the passenger side. Plug in the light connectors to the remaining open connectors in each fog light.

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10. Open the hood. Unravel the harness and route the light lead of the harness down behind the passenger side headlight (also behind the air cleaner).

11. Pull the plug from behind the front passenger side inner fender well and plug it into the large splitter.

12. <u>If you purchased the Upfitter switch version:</u>
    - Find the small fuse panel in between the battery and the engine on the passenger side and pull up while squeezing the tabs to release. Underneath the panel, remove the tape on the bundle of wires to expose the auxiliary switch panel wires. AUX 1,2,3,4, are brown with green stripe, violet with orange stripe, blue with green stripe, and gray with brown stripe respectively (25A max).

    - Using the pliers, clasp the splice connector on the reverse splice harness over the desired wire/circuit. Wrap the tape back over the remaining wires. Make sure all wires are isolated and add electrical tape as needed.

    - Mount the black ring terminal of the splice harness to the common ground on the inner passenger fender using a 10mm socket wrench.

13. <u>If you purchased the stand-alone version:</u>
    - Locate the firewall passthrough grommet on the right of the brake booster. In the cab, this will be located to the right of the parking brake. Push grommet into engine compartment. Gently pull dash panel away until unclipped.

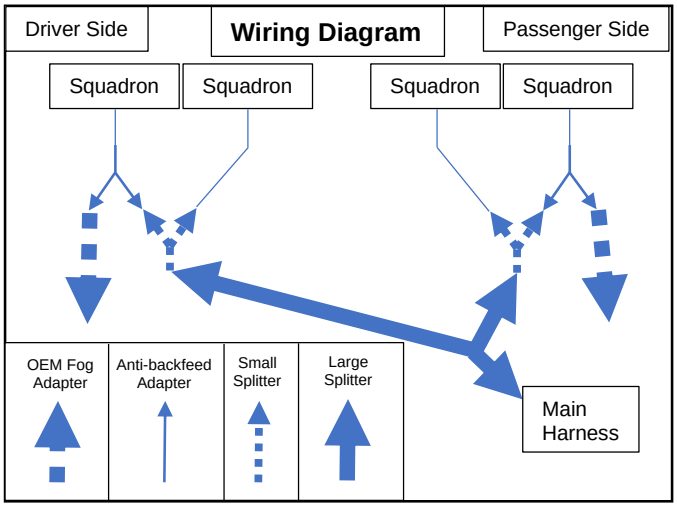
    - Snap a photo of the switch wiring for reference later. Remove the switch terminals from the switch. Remove the tape around the wires on either side of the grommet.

    - Locate a desired dash location for the switch and confirm that there is clearance behind. Drill hole.

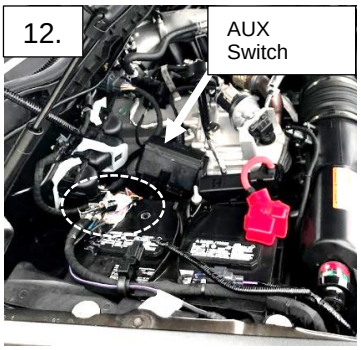
    - Thread the wires through the hole in the passthrough grommet, mount switch, and reattach switch terminals. Tape around the wires of the grommet. Install dash panel.

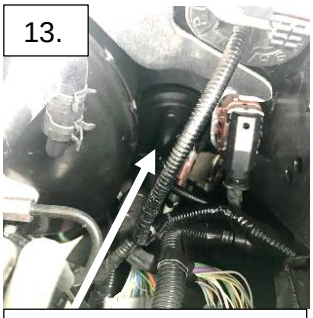
    - Mount the (+) and (-) ring terminals of the harness to the corresponding battery terminals starting with the (+) red lead.

Tie the entire harness away from any hot, sharp, and/or rotating components. Excess length should be wound and tied into an appropriate location (i.e. inner fender cavity).

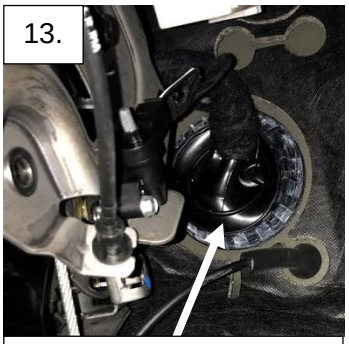








Firewall Passthrough



Interior Firewall Passthrough
(Use lube when reinstalling)



Switch Location Example

Re-torque all the fasteners after 100 miles.

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

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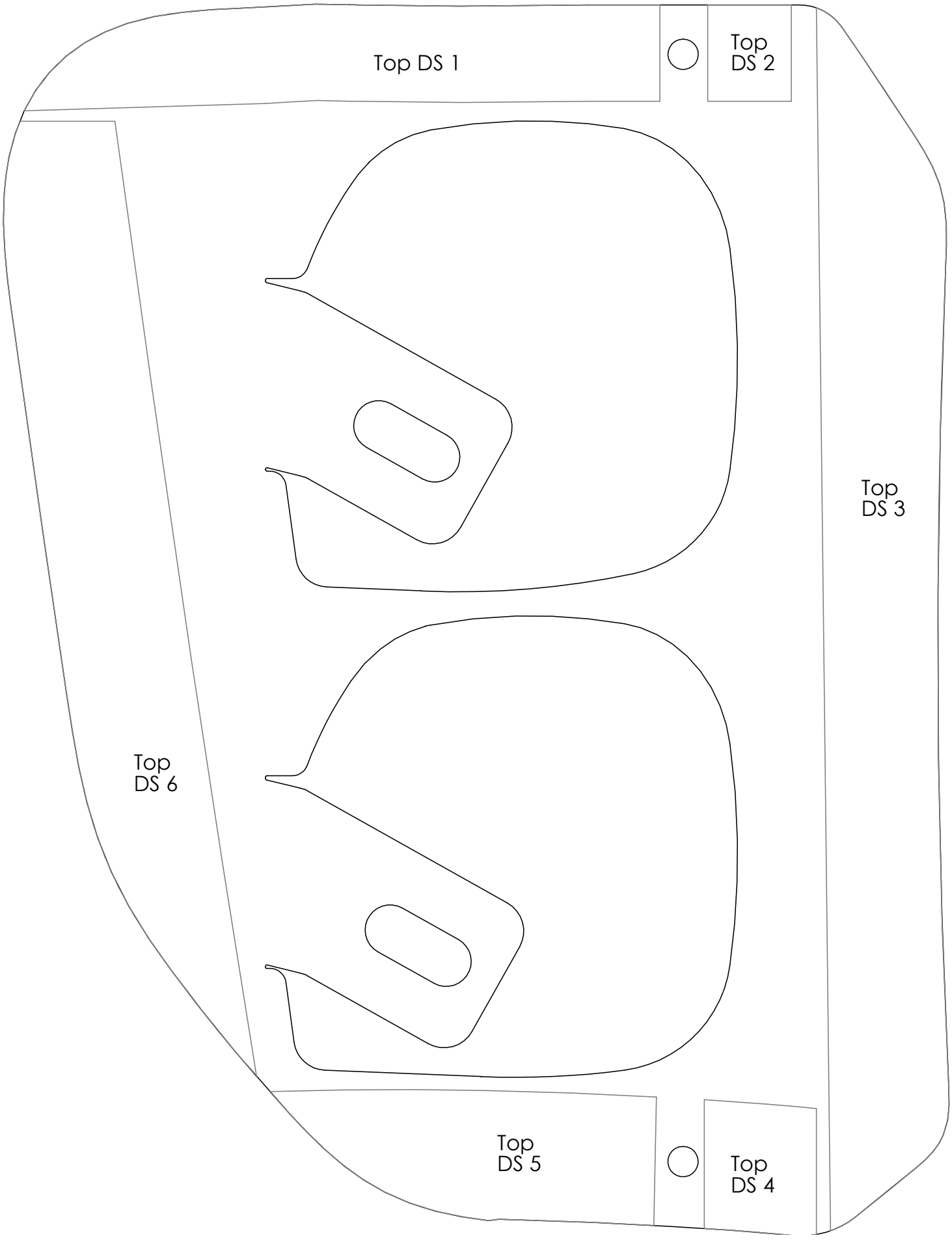
Driver side bracket adhesive strip template
- Cut out each of the six pieces and trace onto the rubber white side up.



Passenger side bracket adhesive strip template

- Cut out each of the six pieces and trace onto the rubber white side up.

