Baja Designs 447732UP Installation Instructions

XL Linkable Bumper Kit for Ford Super Duty

Part number: 447732UP

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Scan for fitment, price and install help

Ford Super Duty (20-On) XL Linkable 7 Light Kit



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Ford Super Duty XL Linkable Bumper Kit Instructions

Tools Required

- 7/16” Wrench and Socket
- 3/16” Allen Wrench
- ¾” Drill or Stepped drill
- Trim tool (Plastic Prybar)
- Dremel (Optional)

1. To begin, use the trim tool to pry the eight circled plastic fasteners on the central lower grill air dam. Carefully pull the center dam away from the vehicle and place aside. Then remove the plastic covers over each tow hook and place aside.

2. With the trim tool, remove the plastic endcaps on both sides and place aside. It may be helpful to squeeze the clips inside the bumper.

3. With the provided adhesive backed rubber pads, place two on each side on the painted surface (White rectangles).

4. Place the three 7/16” hex head bolts through the mounting holes shown with washers on both sides (six total) and hand thread on the nyloc nut.

5. Slide the brackets forward as much as possible. Tighten the hardware with the 7/16” wrench and socket.
   Repeat steps 2-5 for the opposite side.

6. Use the 3/16” Allen wrench to remove the upper and lower bolts on the links attached to the center light. Remove the remaining bolts in the links on the center light. Use the supplied longer bolts to mount the preload base brackets as shown inside of the links.

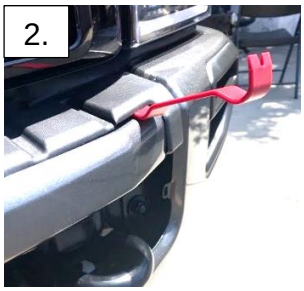
   - Use the 7/16” wrench and socket to mount the rubber bumpers with associated hardware as shown on both preload brackets. Reattach the center light to the linkable lightbar.

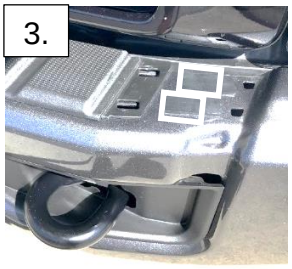
7. Use the 3/16” Allen wrench to loosen the upper and lower bolts on each link assembly. Make the edges of each pair of links parallel and the light bar will have the correct amount of arc. Leave end links slightly loose.

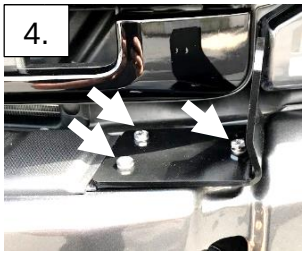
8. Mount the linkable lightbar using the 3/16” Allen wrench and 7/16” wrench. Tighten the end link bolts.
   Route the power cord around the passenger side bracket.

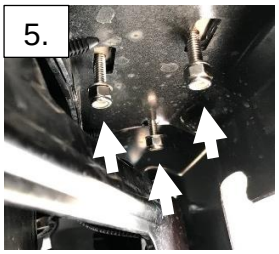
9. (Optional) Use a Dremel to cut along the dashed line on the plastic endcaps from step 1. (Driver side shown)
   Place Velcro on the bumper in the location shown and the corresponding spot on the inside of the plastic endcap. Repeat for the passenger side. Press the pieces back onto the bumper.

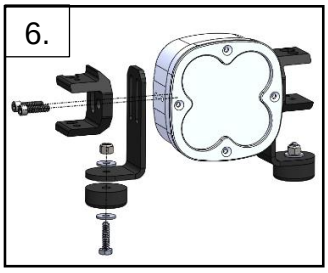


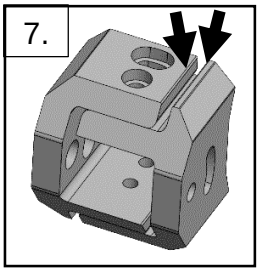
















10. Open the hood. Unravel the harness and route the light lead of the harness down behind the passenger side headlight (also behind the air cleaner). Pull the white arrowed top edge of the seal out from the fender across to the grill.

11. Pull the plug from behind the front passenger side inner fender well and plug in the lightbar. Push the harness into the opening under the headlight and press the seal back over the harness.

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.

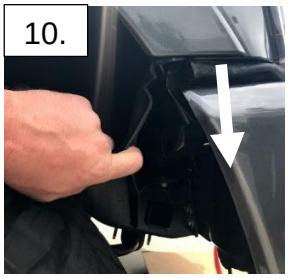
13. <u>If you purchased the stand-alone version:</u>
    - Locate the firewall passthrough grommet on the right of the brake booster. In the cab, this will be located to the right of the parking brake. Push grommet into engine compartment. Gently pull dash panel away until unclipped.

    - 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.

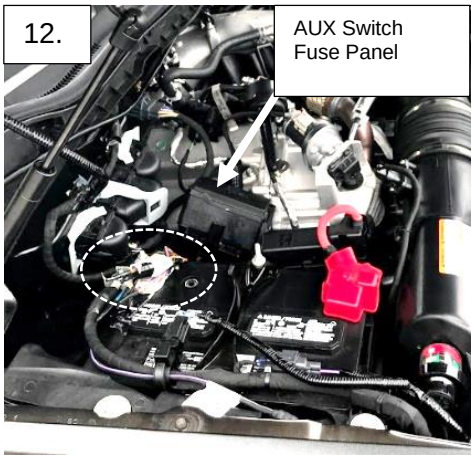
    - Locate a desired dash location for the switch and confirm that there is clearance behind. Drill hole.

    - 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.

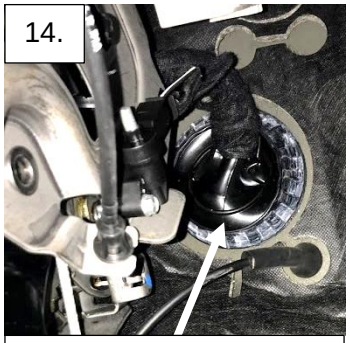








Firewall Passthrough



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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