



baja designs®
THE SCIENTISTS OF LIGHTING

Ford F150 (18-On), Dual 10" S8 Light Bar Kit Instructions



185 Bosstick Boulevard • San Marcos • CA • 92069

Phone 760-560-2252 x3 • Fax 760-560-0383

info@bajadesigns.com • www.bajadesigns.com



baja designs[®]
THE SCIENTISTS OF LIGHTING

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.

Indemnification:

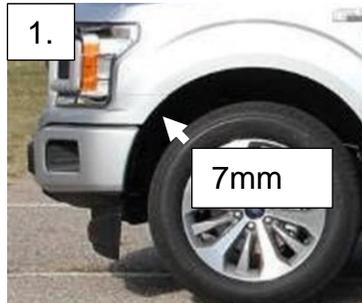
Buyer hereby acknowledges off-roading, racing and driving at night are dangerous activities and that the products and/or supplies purchased from Baja Designs are used in an inherently dangerous activity that may endanger life and limb; and in no event shall the seller, or seller's heirs and assigns, 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

F150 (18-On) Instructions

Tools Required

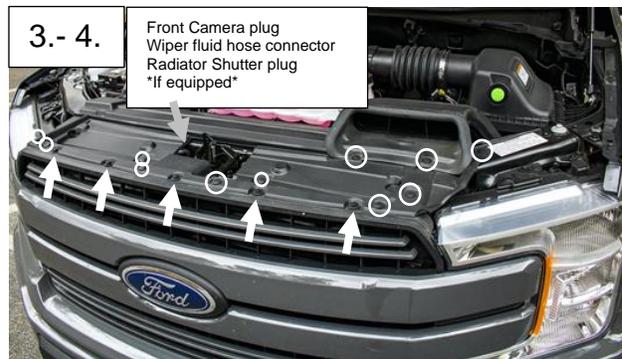
- 7/16", and 9/16" Wrench and Socket
- 7, 8,, 11 and 10mm Socket Wrenches
- 3/4" Drill or Step drill
- 1/2" Socket
- Trim tool or plastic prybar
- Needle Nose pliers

1. Remove the front portion of the driver side fender flare (If present), by removing the plastic fasteners and 7mm bolts with the trim tool and socket wrench in the region shown. (Trim levels vary) Repeat for passenger side.

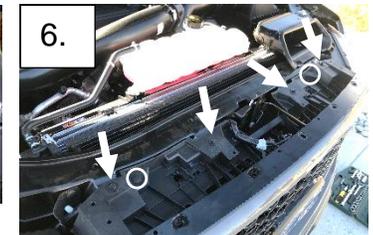


2. Assistance recommended for this step. Gently pull the trim under the grill starting in one wheel well, then the opposite side. Place the entire piece aside on a soft surface.

3. With the trim tool remove the eleven circled plastic fasteners on the radiator cover and air duct. Place radiator cover aside. Remove the five large fasteners on the top front edge of the grill (White arrows).



4. Unplug the front camera (If present) and radiator shutter connectors. Remove the wiper fluid hose (If present) with a flathead screwdriver to pry the clasp free enough to release the hose connector. Pry the plastic wire tie fasteners free from the grill/shutter assembly with the trim tool.



5. With the 8mm socket, remove the bolt underneath the driver side headlight next to the grill. Repeat for the passenger side.

6. Now with the 10mm wrench, remove the four arrowed bolts on the top of the radiator/shutter assembly. Remove the last two circled plastic fasteners.

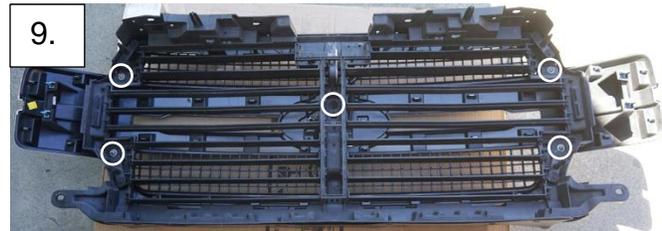


7. Assistance recommended for this step. Pry each side of the grill with the trim tool to pop out the sections next to each headlight. Pull forward to remove the grill and place it on a soft work surface face down.

8. Remove the bottom splash guard by prying up the eight circled plastic fasteners with the trim tool.



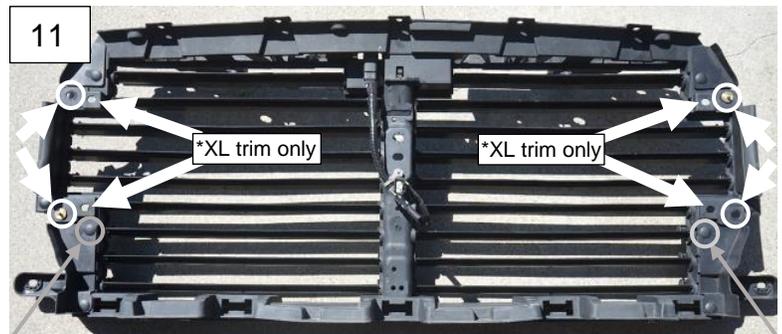
9. Remove the four circled 10mm nuts on the gold studs shown. Note: if the nuts just spin, move on and this will be addressed in step 11. Remove the center circled 10mm flange head bolt. The XL trim level grill will differ slightly.



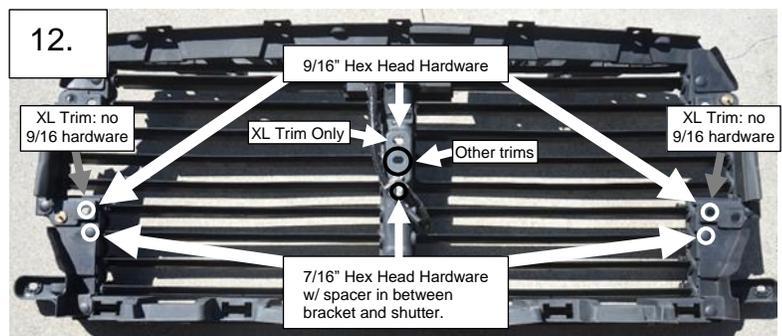
10. Use the trim tool to pry the five metal clips that are under where the splash guard was removed. Now the grill can be removed from the radiator shutter assembly. Split the two pieces apart slightly. Unplug the front camera connector and remove the washer fluid tube from the shutter assembly. Place grill aside on a soft surface.



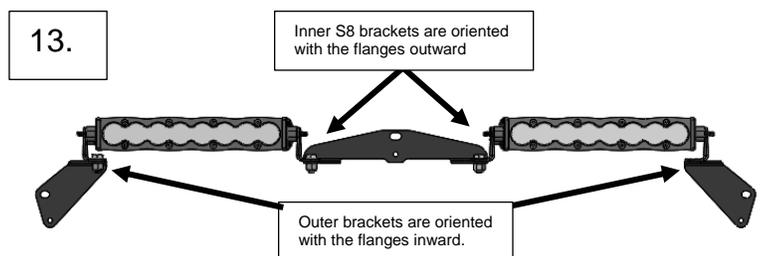
11. If any of the 10mm nuts from step nine remain on the shutter assembly, grab the opposite side of the gold stud with the pliers and remove the nut (White arrowed circles). The alternate XL trim hole locations are as shown. On the grill, locate the plastic hardware clips in the gold stud locations (These may fall inside the grill and need to be removed with needle nose pliers). Screw the gold stud back into the plastic hardware clips and clip it back into the grill. Pry and remove the two circled plastic fasteners with the trim tool (Grey arrowed circles).



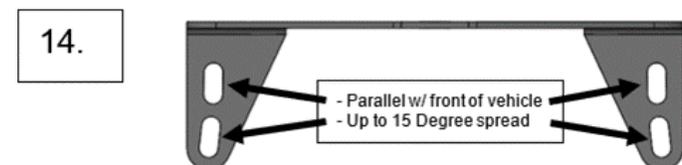
12. Mount the dual S8 F150 mounting brackets with the 9/16" and 7/16" hex head hardware (XL trims will not use the 9/16" hardware on the outside mounts). Make sure to use the provided spacer inbetween the outer bracket and the shutter assembly in the lower 7/16" hex head bolt location for both sides (See step 13 for bracket orientation).



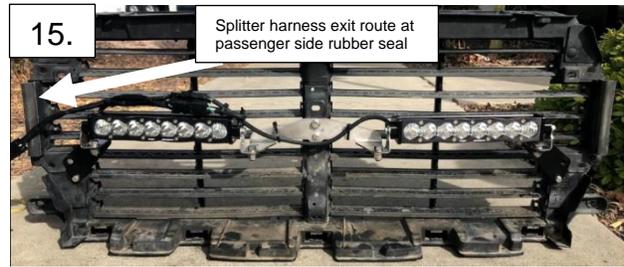
13. Mount each S8 with the standard S8 brackets mounted in the configuration shown using the 7/16" and 9/16" wrenches and sockets. Make sure the lights do not interfere with shutters and have at least 1/8" of clearance.



14. The center bracket has two slots on each side (Top view shown). Use the rear slots to have the lights parallel with the front plane of the vehicle and the front slots to pan the lights up to 15 degrees.



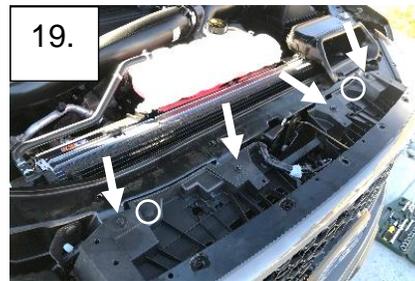
15. Route both power cords to the passenger side of the vehicle on the front side of the brackets and out of the way of the shutters. Plug in the provided splitter and route the harness plug to the passenger side near the rubber seal. Zip tie the wires in place away from the shutters. Engine side of shutter assembly shown.



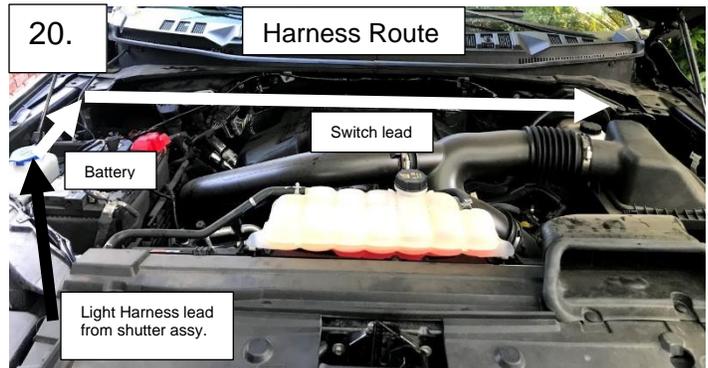
16. Place the grill and shutter assembly close enough to plug the front camera and place wiper fluid tube back onto its mount on the shutter assembly. Clip the lower portion of the grill back to the shutter assembly. Carefully check that there is no interference with the lights, or wires with the grill and shutters. Unclip the grill and adjust components as necessary. Route the splitter harness to the top of the passenger side rubber seal of the grill.



17. Place the grill/shutter assembly face down on a soft work surface. Tighten the four 10mm nuts and center 10mm bolt from step 9. Replace the splash guard from step 8.



18. Assistance recommended for this step. Place grill onto the vehicle and snap the left and right portions nearest the headlight to hold the assembly onto the vehicle. Reattach the front camera plug, radiator shutter plug and windshield wiper fluid hose.



19. Tighten the four bolts from step 6 with the 10mm socket and replace the two plastic fasteners. Tighten the two bolts from step 5 with the 8mm socket.

20. Insert the provided backlight harness terminal into the plug on the main wiring harness (See included backlight harness instructions for detail). Connect the main wiring harness to the splitter and route to the passenger side inner fender region. Route the switch portion of the harness from the passenger side firewall across the engine compartment to the driver side above the brake booster.

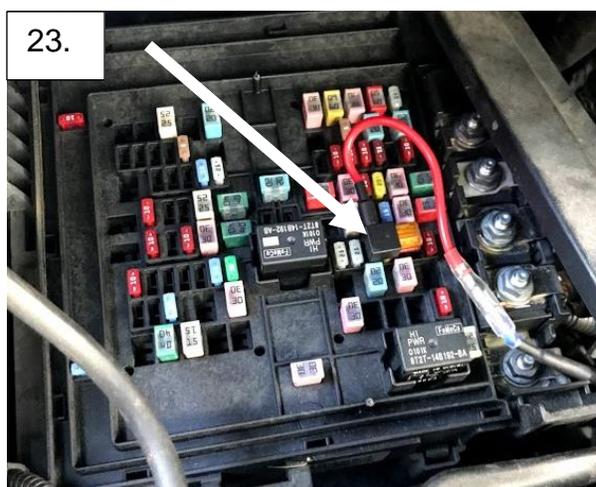


21. Locate the firewall passthrough grommet and gently pull it away from the firewall. Cut the zip tie on either side holding the wires together.

22. Take a quick photo of the switch terminal orientations. Remove the switch, route the harness through the grommet, and zip tie either side. Pull the grommet gently from inside the cab to seal the firewall. Gently pull the dash open at the two edges as shown. Drill a $\frac{3}{4}$ " hole in a desired location on the dash with clearance on the back side. Pull wires through the hole, connect switch, and press switch into location.



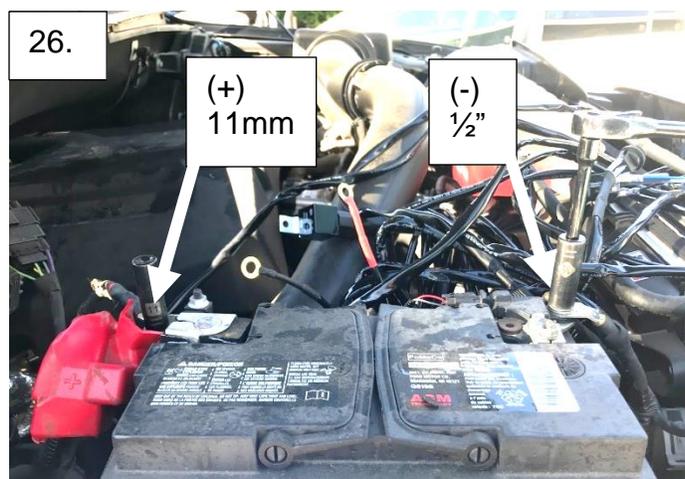
23. Open the fuse panel in the passenger corner of the engine bay. A panel legend is printed on the inside of the lid. Place the micro fuse tap in the 36 fuse number (Vehicle power) after inserting the existing fuse into the fuse tap. Attach the male bullet end of the backlight harness to the fuse tap and place the lid back onto the panel.



24. Place the radiator cover back over the grill/shutter assembly. Replace all the plastic fasteners from step 3.

25. Install the trim piece from step 2 and fender flares from step 1 (if present). Tighten 7mm hex head bolts from step 1.

26. Attach the red ring terminal end of the harness to the (+) positive terminal of the battery with the 11mm socket wrench. Then attach the black ring terminal to the (-) negative terminal with the $\frac{1}{2}$ " socket.



Re-torque all the fasteners after 100 miles.

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