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THE SCIENTISTS OF LIGHTING

**2025-On Toyota 4Runner Reverse Kit
(44-8250, 44-8270)**



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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 it 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.

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.

***For a color copy of instructions, visit your vehicle specific application on BajaDesigns.com ***

Required Tool(s):

- Sockets: 10mm, 12mm
- Wrenches: 10mm
- Hex Tool: 4mm Hex tool
- Misc Tool: Electrical Tape, Flat Head Screwdriver

Parts List:

 <p>(44-7706) (Qty: 2) 2025-On Toyota 4Runner Reverse Bracket</p>	 <p>(20-1020) (Qty: 4) .24" Flat Washer</p>	 <p>(54-9005) (Qty: 2) S2 Sport, Wide Cornering LED, For Kits</p>	 <p>(20-1612) (QTY:8) 8" Zip-tie</p>	 <p>(66-0028) (QTY:4) Squadron, M6 x 16 Button Head SS w/ Patch</p>
 <p>(64-0165) (QTY:1) Pro & Sport 2pin, 10 Extension</p>	 <p>(60-0068) (QTY:1) Adapter, 2-pin hitch mount light harness (Plug and Play Only)</p>	 <p>(64-0139) (QTY:1) Squadron/ S2/ S1, Off/ On Harness (Toggle Only)</p>	 <p>(61-3606) (QTY:1) Squadron/S2 Wire Harness Splitter 55" Universal</p>	 <p>(60-0101) (Qty: 1) Upfitter Pigtail (Upfitter Upgrade Only)</p>

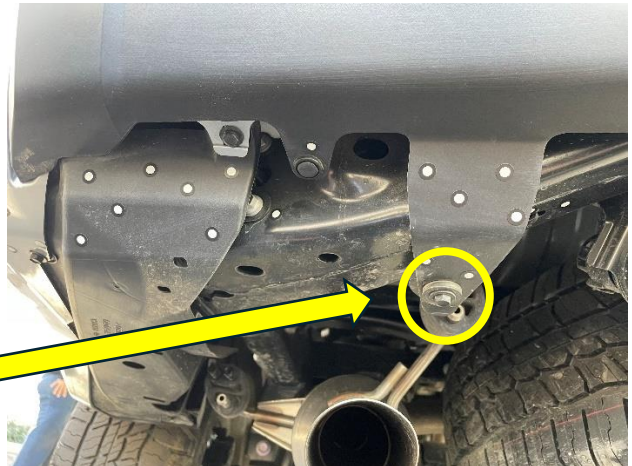
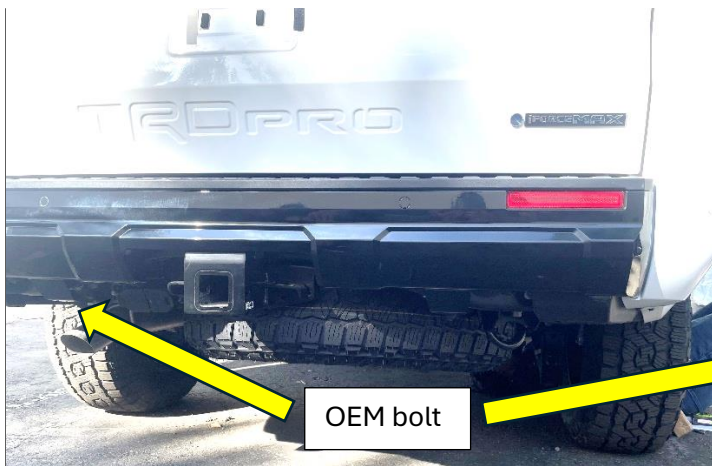
Installation Instructions

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

Step 1: Install both S2 Sport Lights (54-9005) to the Reverse Brackets (44-7706) using the provided M6 Button Head Screws (66-0028) and a 4mm Hex Tool. Feed the power cord through the opening in the bracket prior to installing screws. Fully tighten the screws so the light is perpendicular to bracket.



Step 2: Find the location shown in the picture below for mounting the lights. Take out the OEM bolt from the vehicle's rear bumper using a 10mm socket. Use the slot provided on the bracket to mount the light on the vehicle with the removed OEM bolt. Use 10mm wrench to tighten the bolt. Align the Reverse Bracket (44-7706) so make sure the light is pointing in the right direction.



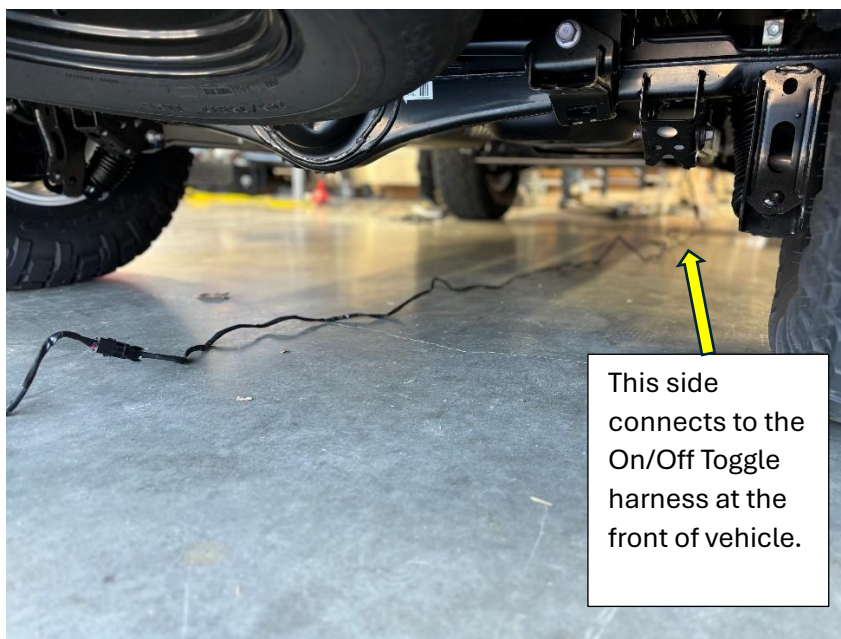
Step 3: With the lights secured in place, connect the Universal Harness Splitter 55" (61-3606) to both lights. Ensure the shorter side of the splitter goes to the left (passenger' side) light.



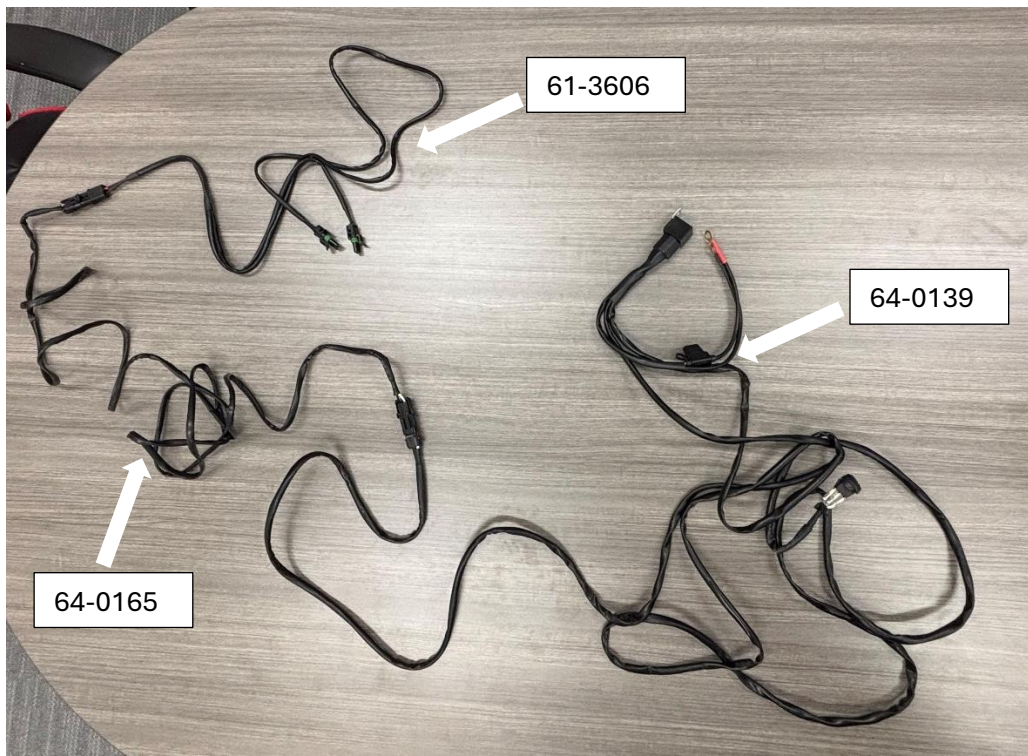
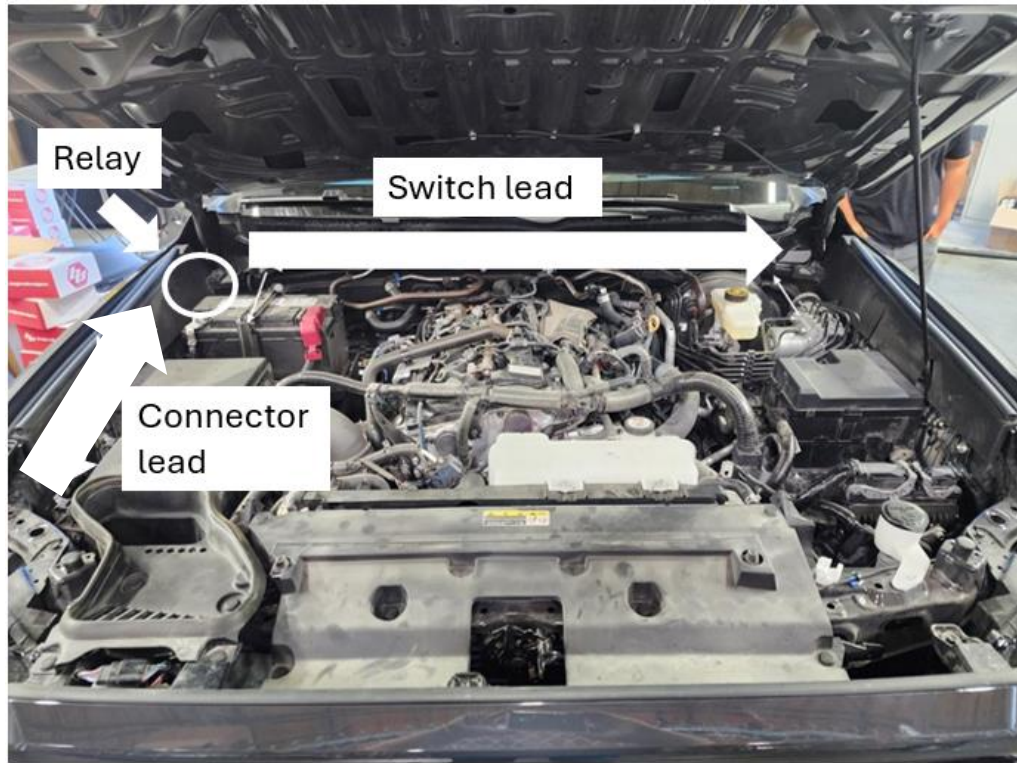
Step 4 (For Plug and Play Only): Connect the 2-Pin Hitch Mount Light Adapter Harness (60-0068) by disconnecting the OEM hitch plug and inserting the harness in between. Once connected, connect the Splitter Harness installed in step 6. Tie all loose wiring neatly away from hot, rotating or sharp components using the provided Zip-Ties (20-1612). Test installation by turning on vehicle and putting it in reverse. Installation is complete!



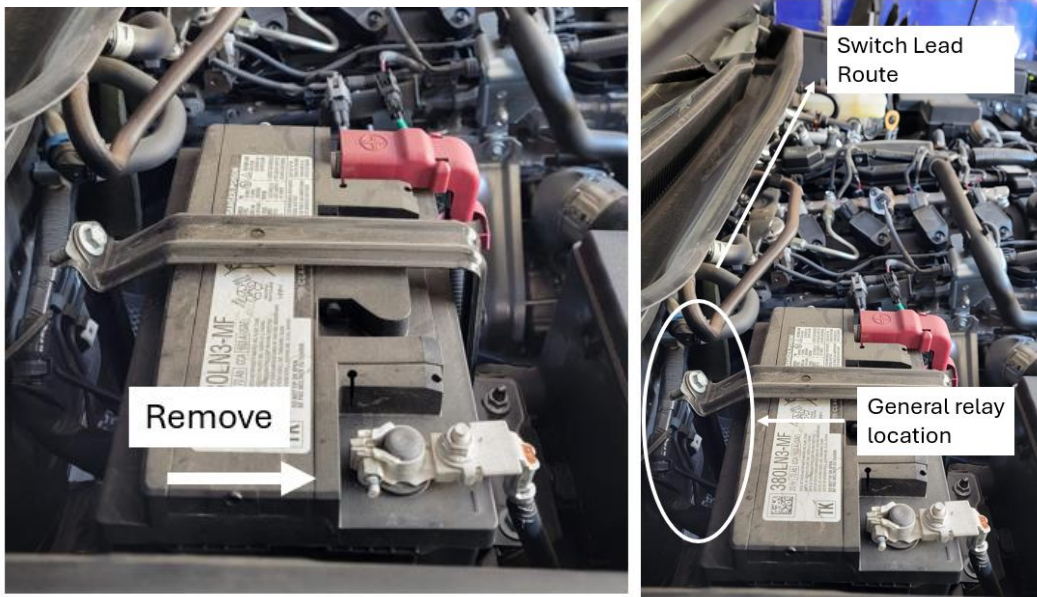
Step 5 Toggle Only: Attach the 10 foot extension (64-0165) to the 55" splitter as shown in the picture. Route this harness all the way up to the front of the vehicle. The extension will be used to connect this harness to the main On/Off harness (64-0139) coming at the front of the vehicle. Follow preexisting wiring and brake lines where possible.



Step 6 Toggle Only: Route the battery terminals of the Off/On Harness (64-0139) back to the battery along the general path depicted below. Take care to ensure the harness avoids all hot, sharp and rotating components.

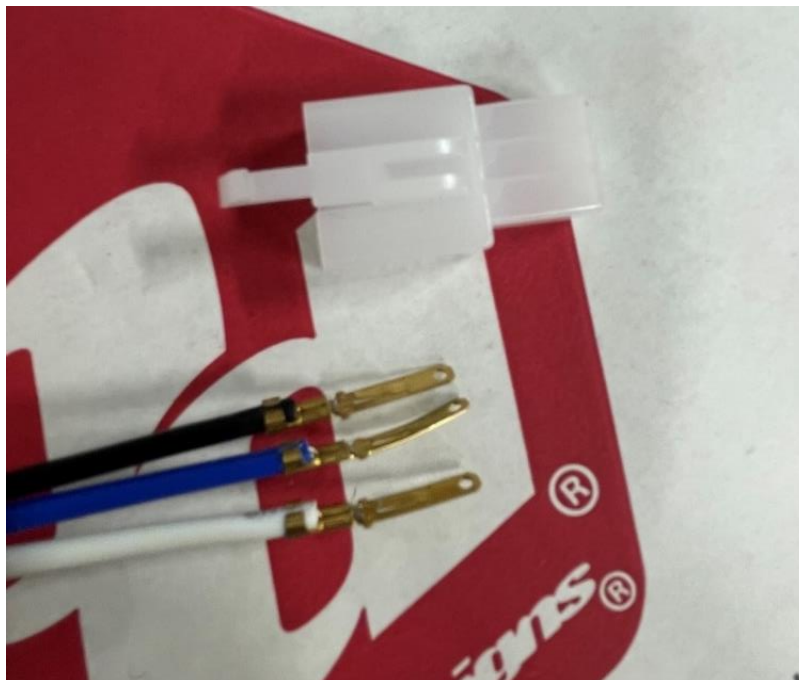


Step 7 Toggle/Upfitter Only: Using a 10mm and 12mm socket, disconnect both the negative and positive battery cable. Locate the red ring terminal of the Off/On harness (64-0139) and attach it to the positive battery post using a 12mm socket. **(for hybrids, refer to hybrid instructions)** Secure the relay near the battery. **Do not connect ground/negative cable.**



Step 8 Toggle Only:

Disconnect the white connector on the switch lead of the Off/On Harness (64-0139) and remove the connector from the switch side leaving the pins exposed.

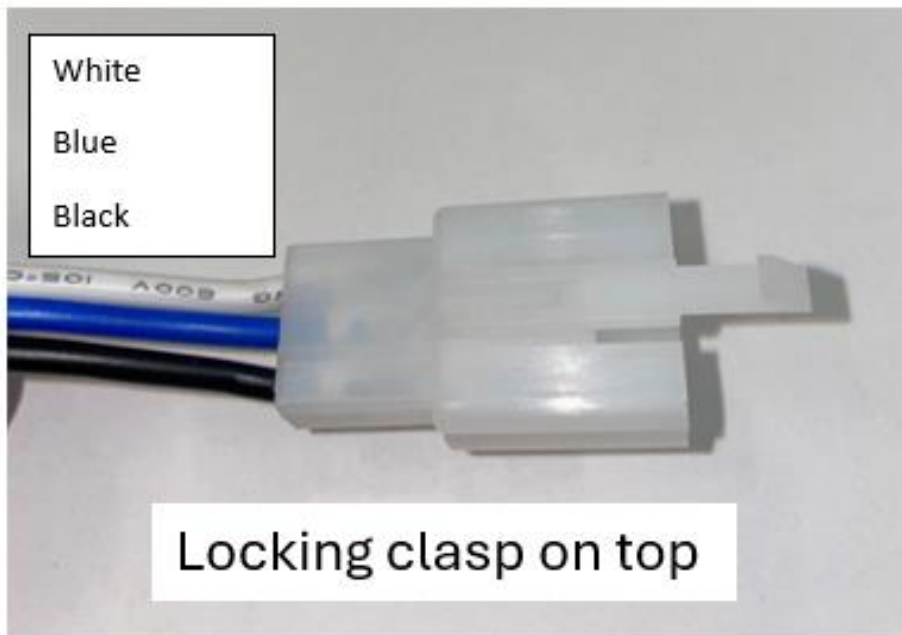


Step 8 Cont.

Make a small hole in the firewall passthrough and pass the switch lead connector through the boot from the inside of the cab into the engine bay (pin side first).

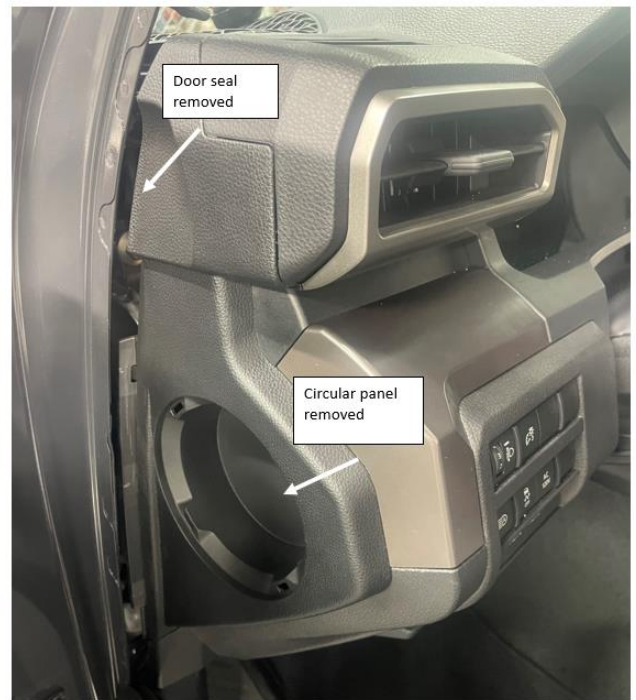
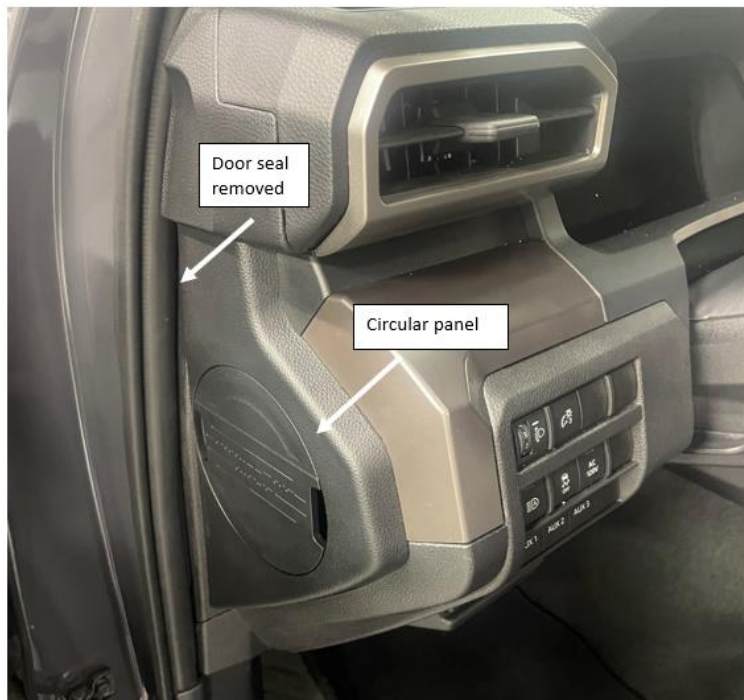


Pull the switch lead into the engine bay until it is long enough to be reconnected to the original harness. Re-install the white connector onto the exposed pins using the format below and then reconnect the two harnesses.

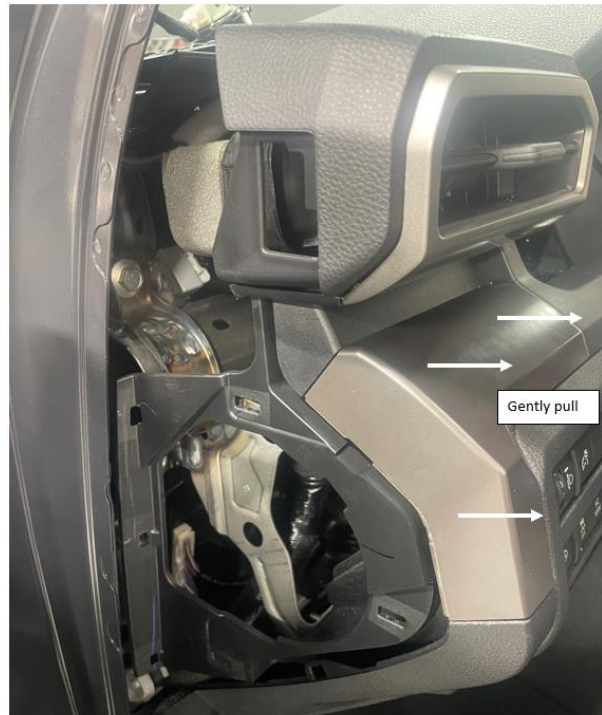
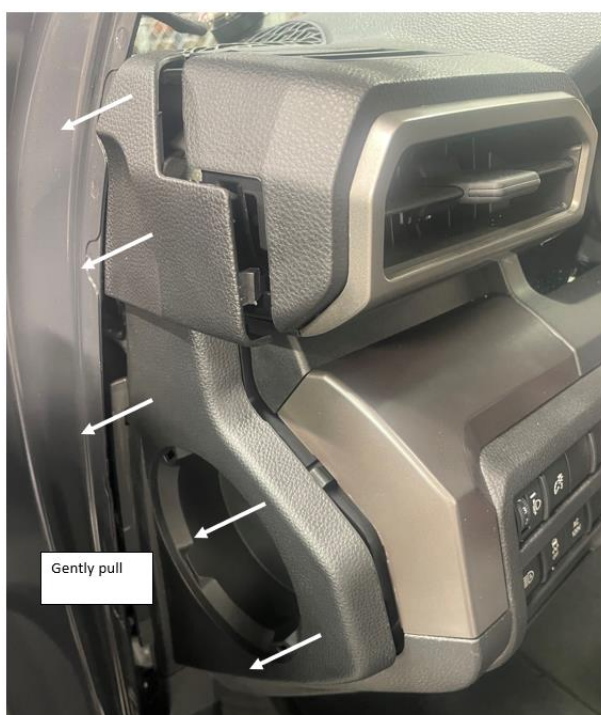


Step 9 Toggle Only:

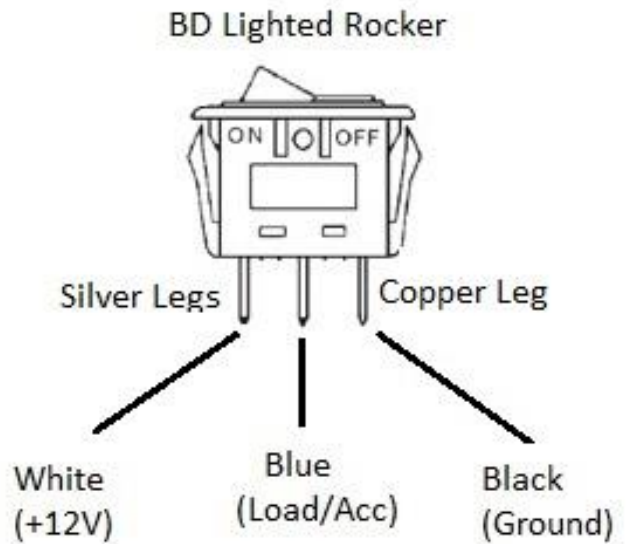
Remove the door seal on the driver's side and the round trim panel pictured below.



Remove the trim panel off the side of the dashboard by starting at the top edge and gently pulling away from the dash. Remove the chrome trim panel by pulling parallel to the arrows pictured.



Drill a hole 3/4" diameter at the location specified. Remove the button from the switch harness leaving only the exposed pins. Run the harness up from the footwell behind the dash and into the newly made hole. Re-install the button onto the harness and place it into the dashboard. Re-install all trim panels.



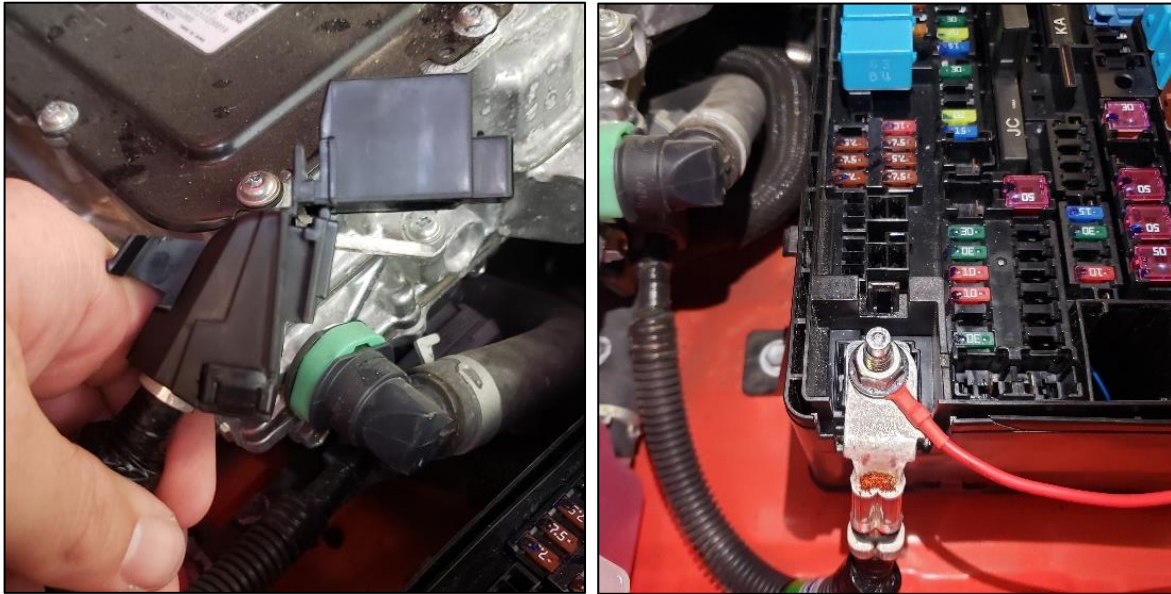
Step 10: Hybrids Only

Disconnect negative battery cable from the battery located in the truck.

Remove the passenger side fuse panel cover and locate the positive battery wire and post (boxed). Using a 12mm socket, remove the nut holding down the wire and release the tab to the right of the post. Lift to remove the wire and plastic wire cover.

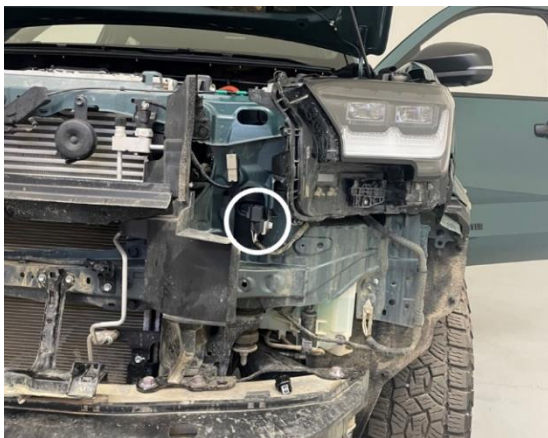


Twist to pull apart the top of the plastic cable cover until it resembles the photo below. Using a flat head screwdriver, release the 2 tabs on the bottom of the plastic wire cover until the two halves separate and remove them from the wire. Discard the piece that the wire terminal runs through. Replace the battery cable and install the positive (red) ring terminal of the main wiring harness onto the post. Replace the upper battery cable cover, reinstall the 12mm nut and replace the fuse box cover. Reconnect the negative battery cable.



Step 11 Upfitter Upgrade:

Remove the OEM connector plugs A & B from the harness behind the driver side headlight.



Front grill removed for clarity. Not necessary for this install.



Step 12 Upfitter Upgrade:

Plug in the provided adapters and run the harnesses to the end of the toggle harness from step 8. Disconnect the switch from the standard harness leaving only the 3-pin white connector. Connect the two harnesses using the appropriate connector from the list below. Tie away any slack using the zip ties provided.

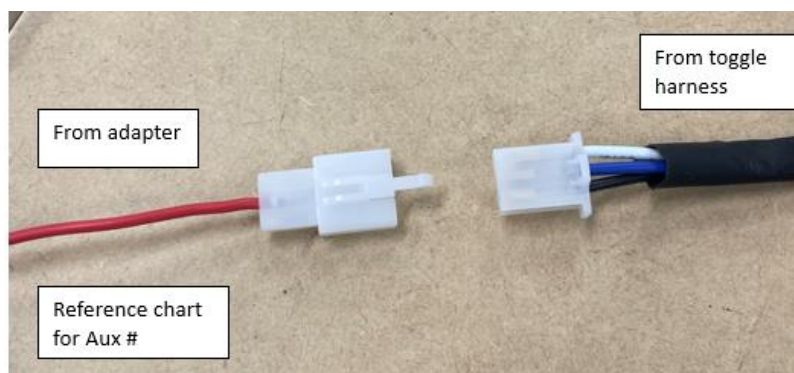
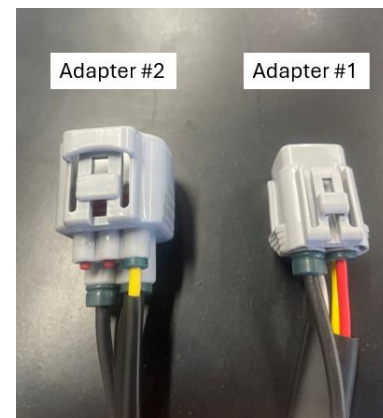
IGN: Connect your harness to White wire (Baja Designs adapter #1)

Aux 1: Connect your harness to red wire (Baja Designs adapter #2)

Aux 2: Connect your harness to yellow wire (Baja Designs adapter #2)

Aux 3: Connect your harness to red wire (Baja Designs adapter #1)

Aux 4: Connect your harness to yellow wire (Baja Designs adapter #1)



Finishing Up the Install

*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.