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Ford Bronco (21+) A-Pillar kit Instructions



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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.

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.

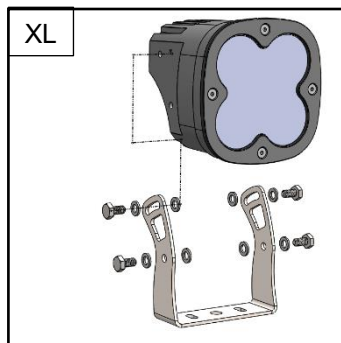
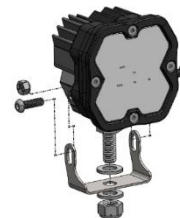
Ford Bronco 21+ A-Pillar kit Instructions

Tools Required

- 10mm and 1/2" Wrench (battery tools)
- Trim tool or flathead screwdriver
- T30 and T20 Torx bit
- 10mm Socket
- 13mm socket
- 3mm Allen Wrench
- 3/4 Drill (non-upfitter models)
- Pliers (Upfitter)
- 7/16" wrench and 5mm Allen Wrench (XL)
- 4mm Allen Wrench (Squadron 2.0)
- Electrical tape

1. To begin, place the vehicle in park, turn off and disconnect the negative battery terminal (1/2" wrench).
2. **Squadron 2.0:** Locate the parts bag. With the 4mm Allen wrench, mount the u-bracket to one light with the serrated washers in-between the u-bracket and the squadron housing. Repeat for the second light. The larger 3/8" hardware will not be used.
3. **XL:** Locate the parts bag. With the 7/16" wrench, mount the u-bracket to one light with the four short hex head bolts. Use washers in-between the bracket and the light, as well as on the outside of the u-bracket. Repeat for the second light. The 3/8" hardware and longer 1/4" hardware will not be used.

Squadron 2.0



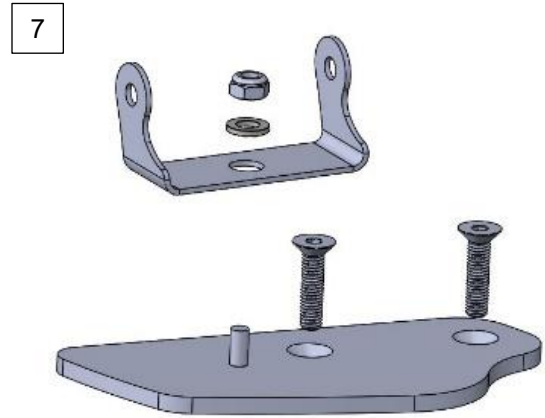
4. With the T30 and T20 Torx bit, remove the two circled Accessory Ready bolts on the passenger side. Loosen by hand and remove the antenna. With the trim tool, pry up on the windshield wiper cowling plastic until there is a large enough gap to route the light power cord behind. The harness will leave the wiper cowling in the very bottom corner of the windshield (white arrow).
5. Carefully rest the passenger side light on the mirror mount face down. Use a soft cloth to prevent scratches. Slide the power cord into the opening of the windshield wiper cowling and around the antenna mounting boss and out the arrowed location in step 4.



6. Move the light inboard to the top surface of the windshield wiper cowling. Make sure the light connector is in the engine compartment before the A-pillar plate is bolted down. Repeat steps 4-6 for the driver side.

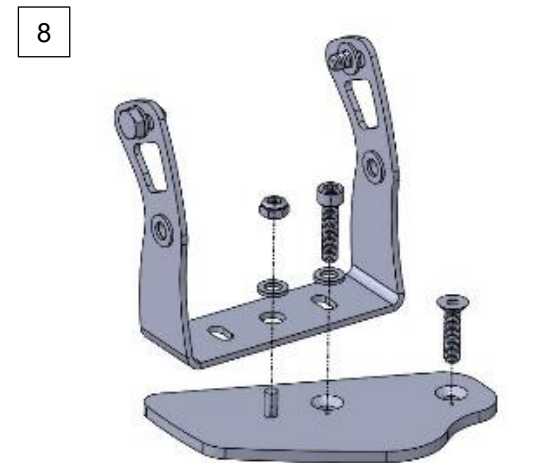
7. **Squadron 2.0 Only:** Mount the passenger side A-pillar plate with the stud insert facing up (shown) using the provided counter sink bolts and the 3mm Allen wrench. With the 13mm wrench, mount the Squadron assembly onto the 8mm stud using the provided washer and nut. (Light hidden to show detail)

- Repeat for Driver side.



8. **XL Only:** Mount the passenger side A-pillar plate with the stud insert facing up (shown) using the provided counter sink bolt and the 3mm Allen wrench. With the 12mm wrench and 5mm Allen wrench, mount the XL assembly onto the 8mm stud using the provided washer, nut, and socket head bolt. Replace the antenna. (Light hidden to show detail)

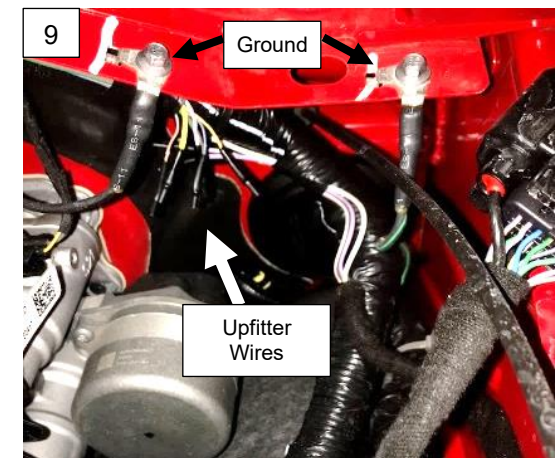
- Repeat for Driver side



9. **If purchased the Upfitter switch version:**

**XL kits will come with extra toggle switch harness that will not be used.*

- Locate the bundle of upfitter wires in the back driver side corner taped to the large wiring harness. Pull the tape off to access the wires.
- The Upfitter wire ratings are shown in the table. Choose a switch. **(XL80s & Squadron 2.0 Pros will only work with AUX1-AUX2)**
- Using the pliers, clasp the splice connector of the upfitter 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 harnesses to the common ground on the driver side firewall using a 10mm socket wrench.
- Attach the upfitter harness to the included splitter harness and route the long lead of the splitter to the passenger side light across the firewall and connect.
- Route the shorter splitter lead to the driver side light and connect.
- Tie harness against firewall and roll up and tie any excess inside the driver side inner fender.
- Reattach battery ground (-).

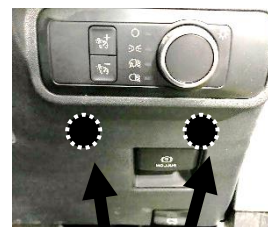


Power Distribution Box	Wire Color	Wire Size	Fuse
AUX 1	Yellow	1.5 mm ²	30A
AUX 2	Green/Brown	1.5 mm ²	15A
AUX 3	Violet/Green	0.75 mm ²	10A
AUX 4	Brown	0.75 mm ²	10A
AUX 5	Blue/Orange	0.75 mm ²	10A
AUX 6	Yellow/Orange	0.75 mm ²	10A

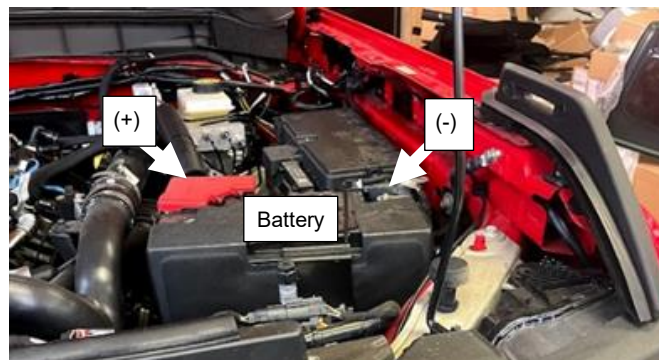
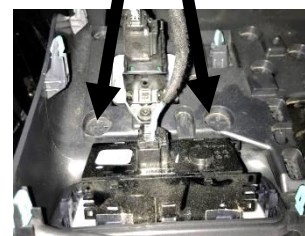


10. If purchased the stand-alone toggle switch version:

- Locate the firewall passthrough grommet on the right side of the brake booster. In the cab, this will be located next to the footrest. Push grommet into engine compartment from the cab.
- There are two easy options for switch locations on the dash in the locations arrowed under the headlight controls.
- Gently pull dash panel away until unclipped. Locate the two circled indentations on the back of the dash below the headlight controls. These are the two suggested switch mounting locations.
- Snap a photo of the switch wiring for reference later. Remove the switch terminals from the switches. Remove the tape around the wires on either side of the passthrough grommet.
- Choose the desired dash locations for the switches. Drill 3/4" hole.
- Thread the wires through the hole in the passthrough grommet, reattach switch terminals, and mount switch. Tape around the wires of the grommet. Install dash panel.
- Route each light lead of the harness to a light and connect.
- Tie harness against firewall and roll up and tie any excess inside the driver side inner fender.
- Mount the (+) and (-) ring terminals of the harness to the corresponding battery terminals starting with the (+) red lead.
- Reattach battery ground (-)



Suggested Switch Locations



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.

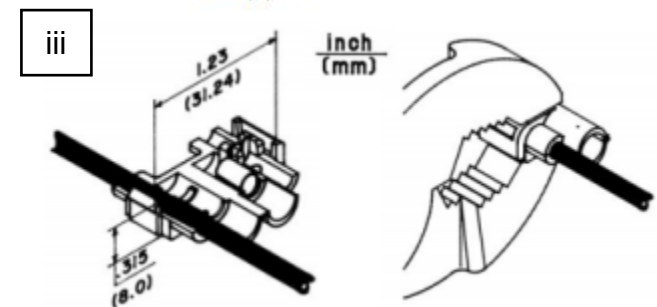
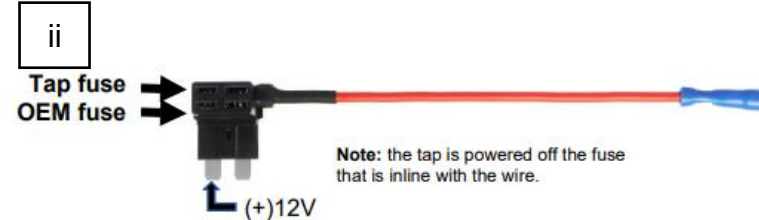
Backlight add-on harness instructions for Squadron 2.0

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, clamp the splice over the desired power wire and clamp with pliers until an audible click is heard. (See image iii for reference)

Tools Required

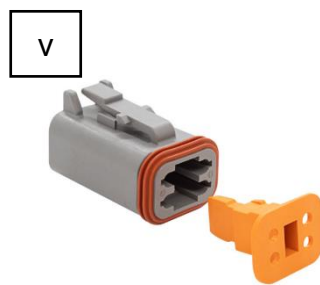
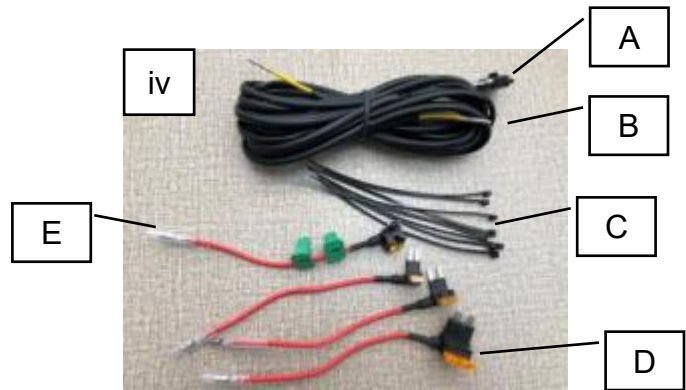
- Trim Tool (Or Flathead Screwdriver)
- Scissors
- Test Light, or Multimeter



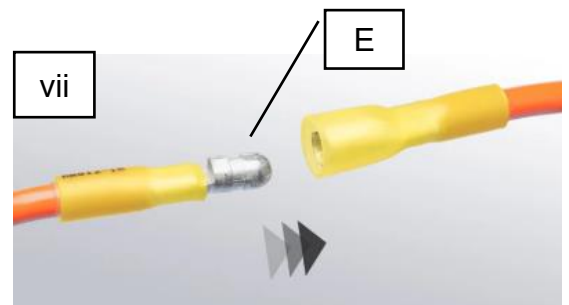
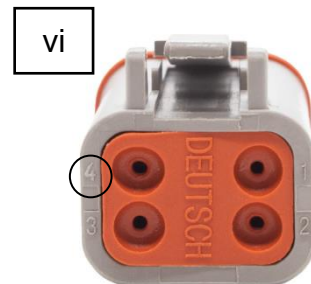
Fuse tap kit part #: 63-9209

Backlight add-on harness instructions

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

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