Baja Designs 447681 Installation Instructions

447681

Part number: 447681

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2015-2018 Ford F150, 2017-2018 Raptor
A-Pillar Mount Kit
Instructions



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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:

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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.

15-18 Ford F150 A-Pillar kit Instructions

Tools Required

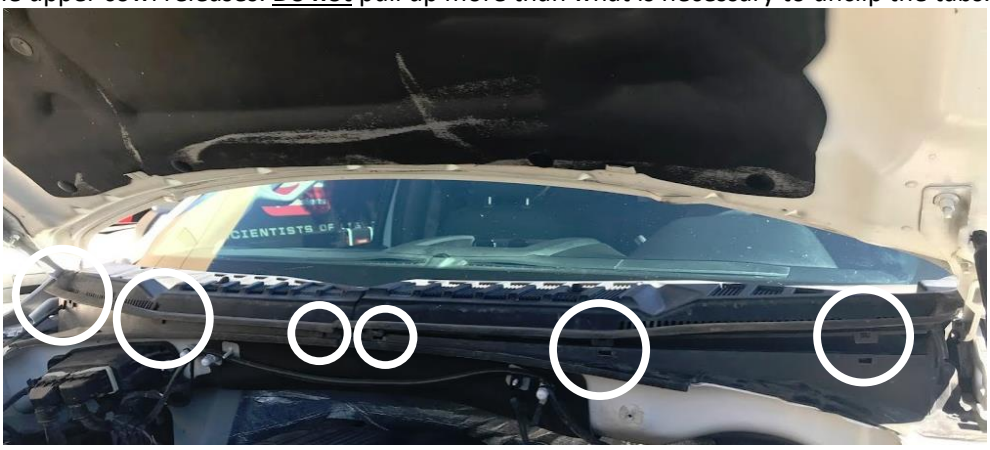
- 10mm Socket wrench
- 12mm wrench
- 7/16” Socket and open-end wrench
- 3/8” Socket and open-end wrench
- Standard screwdriver (flathead)
- Needle-nosed
- 9/16” Socket wrench and open-end wrench

1. To begin, place windshield wipers in the position shown below on the left. Lift small leaver near the base of each wiper and pull wiper straight up from the surface of the windshield to release. Set aside for later.





2. Open the hood. With a Standard screwdriver, gently pry up at the circled locations below until the upper cowl releases. **Do not** pull up more than what is necessary to unclip the tabs.



3. Before the cowl can be removed, there are six clips total that need to be removed on the driver side and passenger side upper cowling. Carefully lift the front edge of the driver side cowling just enough to see in and locate the plastic clip fasteners. With the needle-nose pliers, squeeze each as shown below to release. Once driver and passenger side cowlings are unclipped, remove the windshield wiper fluid hose from the cowling and set them aside.

Ford cowling clip fastener OEM part#: W708771-S300



4. Find the Rubber pads supplied with the kit. Place them on the brackets as shown below.



5. Remove the two bolts shown below with a 10mm Socket wrench for the bottom left and a 12mm Socket wrench for the bottom right. Once bolts are removed, carefully orient the bracket from the front of the vehicle, through the gap between the hood and the fender, and onto the two bolt locations. Take whatever precautions necessary (i.e. masking tape). Replace bolts and tighten. Use 10mm open-end wrench for bolt in bottom left picture. Repeat for opposite side of the vehicle.





6. Place the passenger side cowling first. Make sure windshield wiper fluid hose is placed back into the grooves. Gently press the wiper rubber over the wiper hub first. Carefully watch the plastic clips to make sure they align properly. There should be a distinct click if they are clasped correctly. Make sure the rubber around the perimeter has seated properly inside the upper fender. Now, press the front edge tabs down over the mating bottom cowl clasps. Repeat for the driver side.

7. Replace the windshield wipers.
   Note: they need to be angled like the picture from step 1 while installing.

8. See Squadron/S2 instructions to assemble the standard brackets to the lights.

9. Using the 3/8" hardware included with the lights, mount the Squadron/S2 assemblies to the F150 A-Pillar brackets.

Raptor Wiring:

1. With the supplied splitter harness in hand, route the shorter lead to the passenger side light and the longer to the driver side light. Connect the corresponding plugs and tie the harness tight against the firewall away from any hot or rotating components.

2. On the passenger side firewall, there are two large harness plugs that pass through. Taped to those harnesses are the upfitter wires. The bundle of wires nearest the engine are to be used. The other wires route power back into the cab for interior auxiliary accessories.

3. With the supplied upfitter harness in hand, find an appropriate chassis ground and fasten the (-) negative eyelet to the chassis. The (+) positive splice connector will need to be attached to the appropriate OEM upfitter switch wire. The color designations for 2017 and 2018 are listed below. Squadron Pros will need a 10A switch, while Squadron Sports are to use a 5A switch.

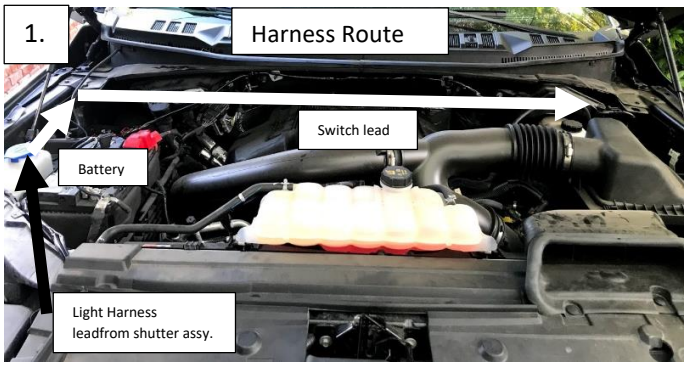
2017 Colors

Aux 1 – Green/Blue	15A
Aux 2 - Gray/Yellow	15A
Aux 3 - Violet/Orange	10A
Aux 4 - Brown/Blue	10A
Aux 5 - Gray/Orange	5A
Aux 6 - Yellow/Violet	5A

2018 Colors

Aux 1 - Green/White	15A
Aux 2 - Brown/Blue	15A
Aux 3 - Gray/Yellow	10A
Aux 4 - Green/Yellow	10A
Aux 5 - Brown/White	5A
Aux 6 - Green/Orange	5A

F150 Wiring:



1. With the supplied splitter harness in hand, route the shorter lead to the driver side light and the longer lead to the passenger side light. Connect the corresponding plugs and tie the harness tight against the firewall away from any hot or rotating components.

2. 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. (See image 1)

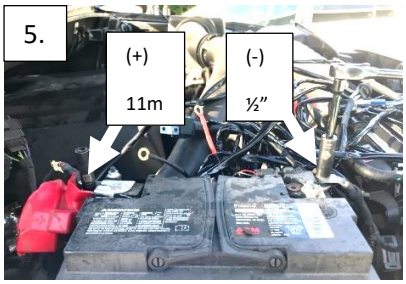


3. Locate the firewall passthrough grommet and gently pull it away from the firewall. Cut the zip tie on either side holding the wires together.

4. 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 ¾" hold 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.



5. 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 ½" socket.



6. Go over the entire wiring harness and make sure the wires are tied up and away from all hot, sharp, and/or spinning components.

Re-torque all the fasteners after 100 miles.

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