Baja Designs 447695UP Installation Instructions

Squadron Sport A-Pillar Kit for F-150, Upfitter

Part number: 447695UP

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Scan for fitment, price and install help

Ford F150 (21+) A-Pillar Kit Instructions



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Ford F150 A-Pillar Instructions

Tools Required

- 9/16” Wrench and Socket
- 10mm and ½” Wrench (Battery tools)
- 4mm Allen Wrench
- Pliers
- Scissors
- ¾ Drill (non-upfitter models)
- 13mm Socket wrench
- Trim tool, or Flathead screwdriver
- Masking, or electrical tape

1. To begin, place the vehicle in park, turn off and disconnect the negative battery terminal (1/2” wrench).

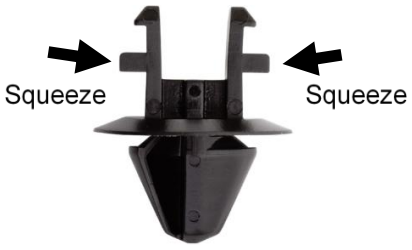
2. To remove the wiper arm, angle the arm away from the windshield, lift small tab at the hub, and pull (axially) to remove. Make sure the small key remains in the wiper arm and does not get lost. Repeat for the opposite side.

3. On the antenna, place some tape around the hex profile near the bottom to prevent scratches. With the 10mm wrench, remove the antenna and place aside.

4. On the front edge of the plastic wiper cowling, pull up each clasp using the trim tool, or flathead screwdriver.

5. Once the front edge is free all the way across the vehicle, lift the cowling and gently squeeze each clip along the inside back edge with pliers to remove. If any clips are damaged in the process, the part number is labelled (Not typical). Place all clips back on the firewall side after step 6.

Ford cowling clip fastener
OEM part#: W708771-S300



6. Once the cowling is loose and all the clips have been undone, carefully pull the driver side cowling up (axially) around the wiper arm hub. Take special note of the windshield wiper fluid hose attachment points for installation later. Repeat for the passenger side. Place both wiper cowling panels on top of the engine for the moment.

7. Add the provided adhesive backed rubber to the brackets as shown in the black locations on the right. Trim with scissors as needed.

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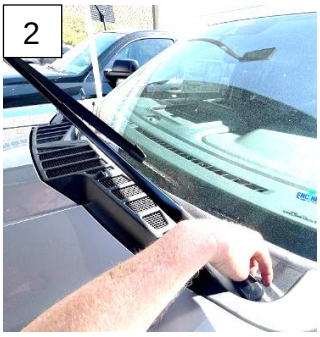

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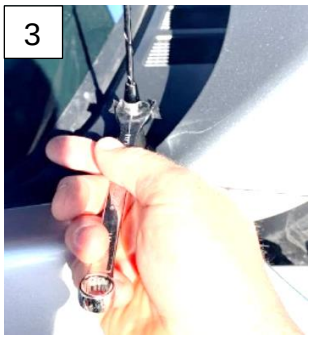

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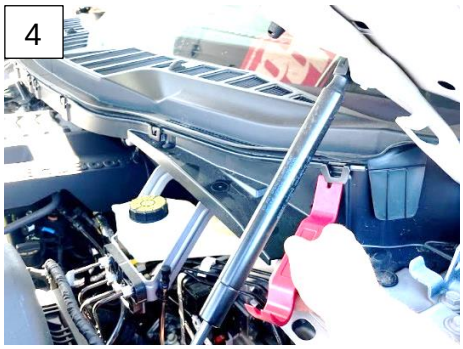
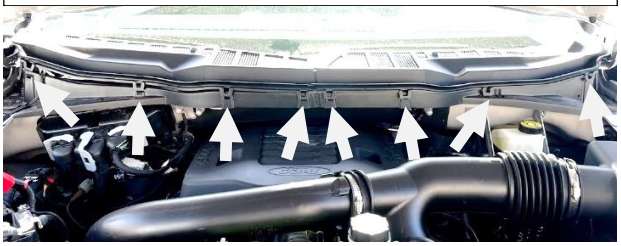


4-5. Wiper Cowling Removal



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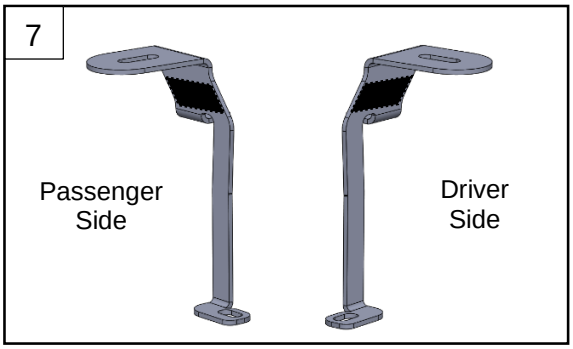

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8. Now, on the driver side, use the 10mm socket to remove the upper fender mounting bolt. Then, use the 13mm socket to remove the circled lower bolt.

9. Carefully place the bracket in between the hood and the fender and align the mounts. Replace the bolts and tighten. Repeat steps 8-9 for the passenger side.

10. To replace the passenger side wiper cowling panel, make sure that all the plastic clips are in the firewall side and aligned before attaching the cowling. Take special care to align the areas below the bracket and gently bend back the rubber seal to fit next to the A-pillar bracket. Also, make sure the windshield wiper fluid hose is attached in the locations from step 6. Press the passenger side cowling over the wiper arm hub and then onto each clip until an audible click is heard. Then clasp each of the front edge attachments of the cowling. Repeat for the driver side cowling.

11. Replace the wiper blade arms by following step 2 in reverse. Replace the antenna with the 10mm wrench and remove the tape.

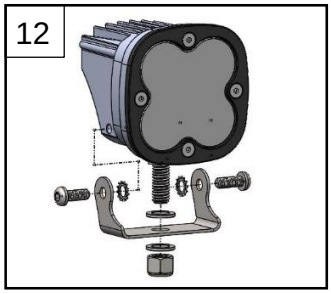
12. Assemble each light as shown in the exploded view using the 4mm Allen wrench. Be sure to place the 9/16" hex head hardware in the bracket before attaching the bracket to the light.

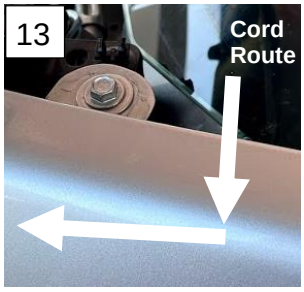
13. Mount the lights onto the F150 A-pillar brackets using the 9/16" wrench and socket. Route each Squadron power cord behind the upper fender mounting flange and then forward to near the lower mounting bolt inside the inner fender.

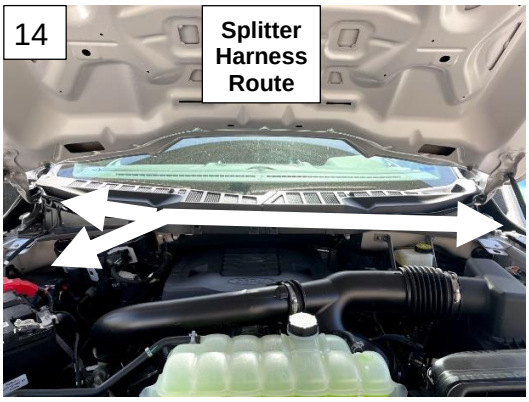
14. Connect the splitter harness to each light with the open plug on the passenger side. Attach each light to the splitter harness and connect the splitter to the main harness.

15. <u>If you purchased the Upfitter switch version:</u>
    - Locate the bundle of upfitter wires on the passenger firewall taped to the harness passthrough closest to the motor (Right arrow). Do not use the bundle of wires that is furthest from the engine (Left arrow).
    - Remove the tape to access the wires AUX 1,2,3,4, are Green/White, Brown/Blue, Gray/Yellow, and Green/Yellow respectively. (If wire colors vary, reference manual)
    - 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.



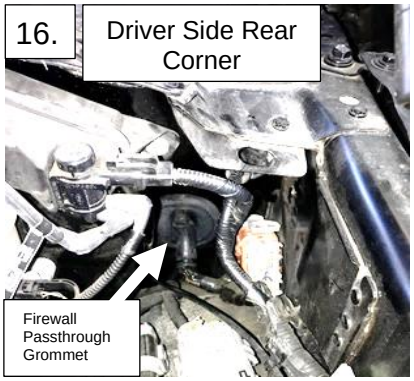


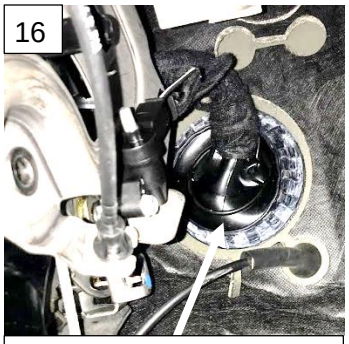




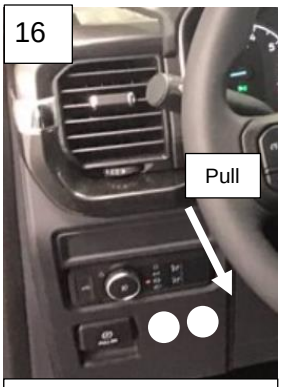


16. <u>If you purchased the stand-alone version:</u>
    - Locate the firewall passthrough grommet on the right side of the brake booster. In the cab, this will be located to the right of the parking brake. Push grommet into engine compartment. Gently pull dash panel away until unclipped. Route the switch lead of the main harness to the passthrough.
    - 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 ¾" 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.





Interior Firewall Passthrough (Use lube when reinstalling)



Switch Location Example

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.

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