Baja Designs 447657UP Installation Instructions

OnX6+ 30 Inch Bumper Kit for Jeep, Upfitter Wiring

Part number: 447657UP

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Scan for fitment, price and install help

Jeep JL/JT 30” OnX6 Bumper Kit



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Jeep JL/JT 30-in OnX6+ Kit Instructions

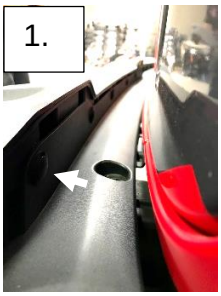
Tools Required

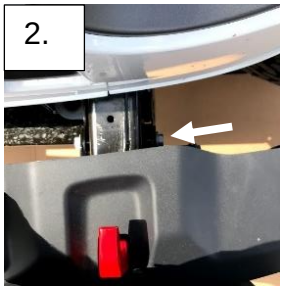
- 16mm and 9/16” Wrench
- 7/16”, 9/16”, 10mm Socket
- Trim Tool (Flathead Screwdriver)
- ¾” Drill or Stepped drill

1. To begin, use the trim tool, or a flathead screwdriver to remove the two arrowed plastic fasteners from the plastic panel mounted to the frame in between the front grill and bumper. Remove six more plastic fasteners on the front edge of the plastic panel (See arrow in second image).

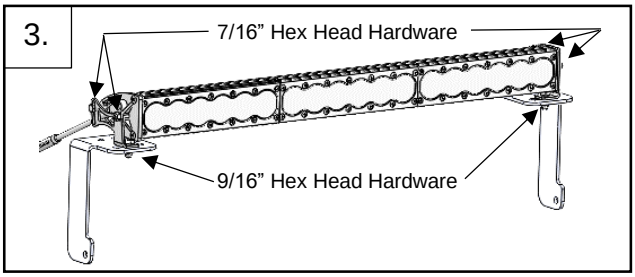


2. With the 16mm wrench, remove the bumper mounting bolt outside of the frame (Driver side shown). Repeat for the passenger side.





3. Bolt each of the bumper brackets to the locations from step 2 with the OEM bolts and bracket flanges pointed inward. With the provided OnX6+ standard brackets and hardware, thread in the 9/16” hex head bolts through the brackets with washers and into the nuts. Mount the standard brackets to the OnX6+ with the 7/16” hex head hardware and ¼” washers. Finally, mount the OnX6+ onto the JL OnX6+ brackets with the 9/16” wrench and socket.

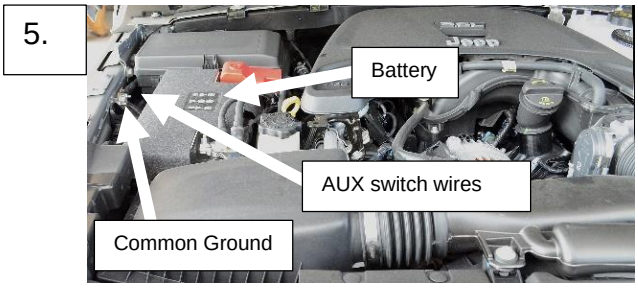


4. Unravel the harness and route the light plug end from the engine compartment along the passenger side inner fender down and out through the front passenger inner fender well. Connect the light power cord to the harness and pull the slack into the engine compartment.

5. <u>IF USING OEM AUX SWITCHES ONLY:</u>
   - Locate the bundle of wires taped together in between inner passenger side front fender and the battery. Remove the tape to expose the auxiliary switch panel wires. The brown with pink stripe and the green with pink stripe are AUX 1 and 2 respectively (40A max each).

   - 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.

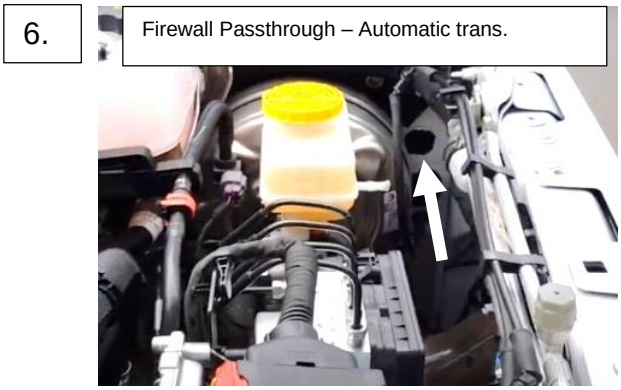
   - Mount the black ring terminal of the splice harness to the common ground on the inner passenger fender using a 10mm socket wrench.



6. <u>IF USING BAJA DESIGNS HARNESS ONLY:</u>

   Automatic Transmission:
   - Route Harness relay end to the battery and switch lead across the firewall to near the brake booster.

   - Snap a photo of the switch wiring. Remove the switch terminals from the switch, pierce a small hole in the passthrough grommet, route switch wires through, mount switch, and reattach switch terminals.



- Locate a desired dash location for the switch and confirm that there is clearance behind. Drill hole, thread wires through, attach the switch, and mount the switch.

- Mount the (+) and (-) ring terminals of the harness to the corresponding battery terminals starting with the (+) red lead.

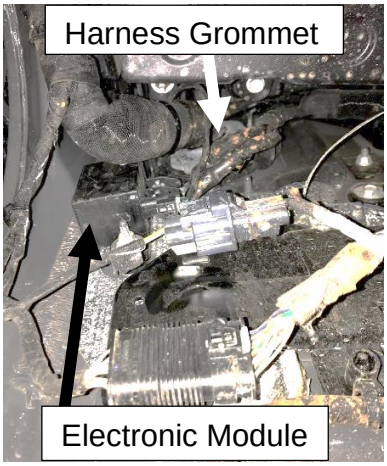
Manual Transmission:

- Route Harness relay end to the battery and switch lead to the bottom of the passenger side inner fender well.

- Outside the passenger side inner fender well, remove the two plastic fasteners to access the inner passenger side firewall.



- Locate the arrowed electronic module. With the 10mm socket wrench, remove the nuts and move it toward the center of the firewall out of the way momentarily. Press in on the harness grommet on the firewall until the grommet seal is broken and the inside of the cab is breached.



- Snap a photo of the switch wiring. Remove the switch terminals from the switch, route switch wires through.

- Pull the slack from the switch lead into the cab from under the glovebox in the arrowed location. Pull the grommet back into the engine compartment and/or push from inside the cab to seal the grommet.

- Mount the electronic module back to the firewall.

- Route the switch lead behind the dash over to the driver side.

- Locate a desired dash location for the switch and confirm that there is clearance behind. Drill hole, thread wires through, attach the switch, and mount the switch.

- Using the 10mm socket wrench, mount the (+) and (-) ring terminals of the harness to the corresponding battery terminals starting with the (+) red lead.



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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