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## Ford Raptor (17-On) XL Linkable 7 Light Kit

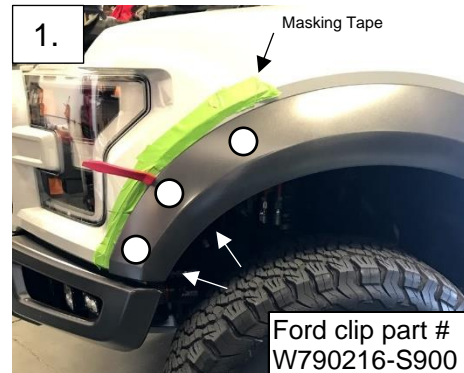


## Ford Raptor XL Linkable Bumper Kit Instructions

### Tools Required

- 3/16", 13mm and 6mm Allen Wrench
- 7mm, and 8mm socket
- 7/16" Wrench and Socket
- Trim tool (Plastic Prybar)
- Pliers
- Masking Tape

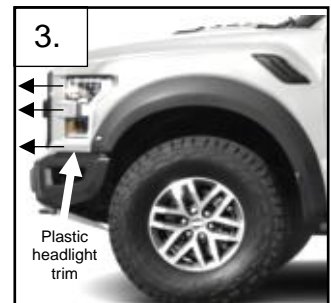
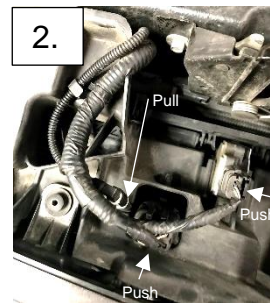
1. To begin, place masking tape on the driver side fender to protect from scratches. Use the 7mm socket wrench to remove the two fender flare bolts shown by the white arrows. Carefully use the trim tool to pull the fender flare near the clips in the white circled regions shown. Leave the remainder of the fender flare fastened to the vehicle. Repeat for the passenger side fender. In the event any clips need to be replaced, the part number is listed in the image.



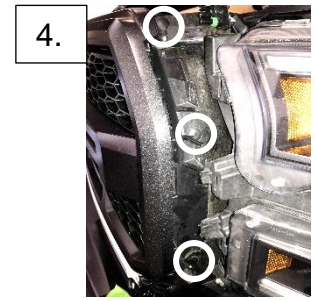
2. With the trim tool, remove the circled radiator cover clips. Remove the radiator cover and place aside. Remove the two black arrowed plastic fasteners. With the 10mm socket wrench, remove the four white arrowed bolts under the radiator cover (first image). Unplug the front facing camera and radiator shutter plugs by squeezing the release tabs and pulling (second image). Remove the windshield wiper fluid hose by pulling the black collar on the fitting almost halfway off and pulling the fitting away from the connection.



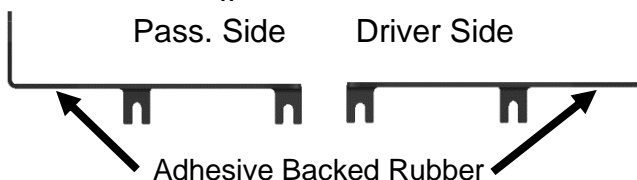
3. Very carefully pull the plastic trim in-between the headlight and the bumper starting at the top. Work down the trim until all clips are free and place the piece aside. Repeat for the opposite side trim piece.



4. With the 8mm socket wrench, remove the grill mounting bolt from the location shown by the white arrow (first image). Use the trim tool to remove the three plastic fasteners on the side of the grill shown by the black arrows (second image). Repeat for the opposite side. Lift the grill up to remove and place aside.



5. With the 13mm wrench, remove the four arrowed bolts on the backside of the front bumper. Place the provided adhesive backed rubber in the two arrowed locations shown. Mount the brackets onto the same locations using the provided hardware and the 6mm Allen wrench. Tighten.



6. Replace the grill onto the vehicle being careful not to contact the XL Linkable mounting brackets. Follow steps 1-4 in reverse.

7. With the 3/16" Allen wrench, remove the center light housing bolts on both sides. With the provided support brackets and longer hardware, assemble the center supports as shown. Then use the 7/16" wrench and socket to attach the rubber feet to the support brackets.

8. The light will need to be arced to fit onto the vehicle. Loosen the circled bolts with the 3/16" Allen wrench on the top and bottom. Tighten each link so that the arrowed edges are parallel for all the links except the ends. Loosen the end links and rotate to full lock with both sides of the light parallel.

9. Mount the light to the brackets using the 3/16" Allen wrench, 7/16" socket wrench, and the provided hardware. Loosen the center light housing bolts enough to slide the support brackets. Have an assistant pull up (0.25"-0.5") on the light and slide the support brackets down until they contact the bumper. Tighten the housing bolts.

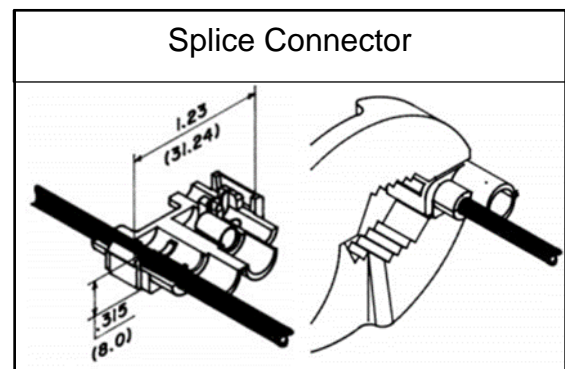
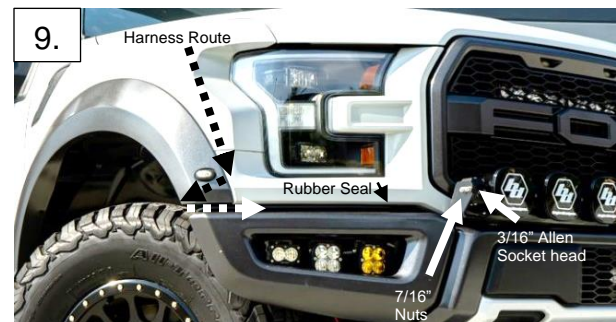
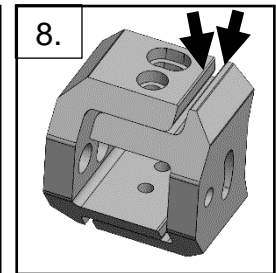
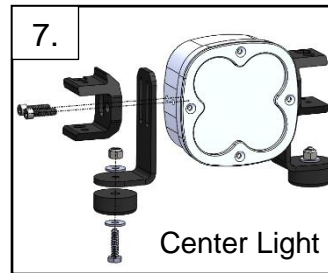
10. Unravel the provided Upfitter wiring harness and route the light plug end from the inner passenger side fender down and out of the bottom of the front fender well (See image 9). Pull the edge of the rubber seal out from under the passenger side headlight trim piece. Plug in the harness to the light power cord, route underneath the headlight trim, and push the rubber seal back into place. Pull the harness slack into the engine compartment.

11. Locate the bundle of upfitter wires on the passenger firewall taped to the harness passthrough closest to the motor (Dotted arrow). Do not use the bundle of wires that is furthest from the engine (Left arrow).

12. Remove the tape to access the wires AUX 1,2,3,4, are brown with green stripe, violet with orange stripe, blue with green stripe, and gray with brown stripe respectively (25A max).

13. Using pliers, clasp the splice connector on the upfitter 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.

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



Re-torque all the fasteners after 100 miles.

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

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