



Jeep XJ Rear Bumper Installation Instructions Crusader/Vanguard

*Thank you for purchasing your bumper from JcrOffroad!
Checkout www.jcroffroad.com for more deals and other
great off road products. Please read the mounting
instructions below carefully before attempting to install.*

*If you have any questions or are missing parts, please don't
hesitate to call us at 269-353-1184!*

Tools Needed

- 15mm socket/wrench (shallow)
- 3/4" socket/wrench
- 15/16" socket/wrench

Hardware

- 5/8" x 1 1/2" bolts (4)
- 1/2" x 1 1/2" bolts (6)
- 5/8" nuts (4)
- 1/2" nuts (6)
- 9/16" USS washers (8)
- 1/2" SAE washers (8)
- 1/2" lock washers (4)

Vanguard Only

- 7/16x1 bolts (4)
- 7/16 flanged nuts (4)
- 3/8 washers (4)
- 1/2x1 bolts (2)
- 1/2 flanged nuts (2)
- 7/16 washers (2)

Vanguard Only Tools

- 11/16 socket/wrench
- 5/8 socket/wrench
- 1/2 drill bit

Install

*It is always best to trial install before painting/finishing to ensure proper fit. If we need to make a repair/modification on a bumper we will not be responsible for finishes. If installing tire carrier, take special care in keeping paint away from bearing surfaces and bearing cap threads. Also, please understand that compromises were made regarding ease of install to accommodate the design.

Having a friend with small hands would certainly be beneficial, and it's best to be in a good mood before beginning...



1. Remove the factory rear bumper. There are two mounting brackets attaching the bumper to the back of the bulkhead with 4 bolts each.

(Photo shown is with the bumper skin removed for illustration purposes.)



2. For 97 and up Cherokees that are not installing our lower 1/4 panel armor, you have the option of cutting the plastic side skirts on the lower 1/4 panels and leaving much of it behind. Draw a straight line from where the taillights attach to the body and trim the factory plastic with a utility knife.

3. If our nutstrips were purchased, remove whatever factory nut strips were inside the frame rails first. (If installed) You will need to unbolt any hitches, skids, or exhaust mounts that are bolted under the frame.

4. Insert the new nutserts into frame. You may want to loosely install one bolt on the forward most hole to help keep them aligned.

5. If not using nutstrips, the uniframe tie-in brackets will need to be loosely installed before the bumper. (See step 11) By utilizing the lock washer inside the frame, the tie-ins will later be able to be tightened down without needing a wrench on the nut. Just remember to keep them



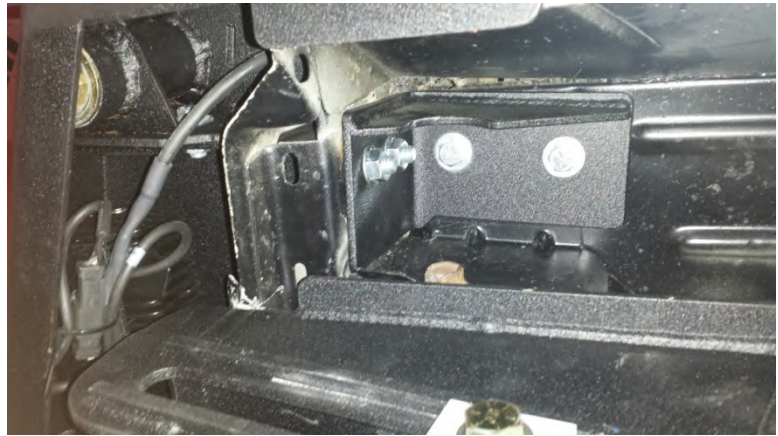
somewhat moveable for alignment purposes at this time.

6. Install frame side bumper brackets with the slotted holes facing out and the offset down. Reusing factory bolts, center brackets with slots/holes. The outside width should be roughly 39 $\frac{3}{4}$ ".

NOTE: The following is only if you are installing a Vanguard bumper, if you are installing a Crusader bumper please skip to step 13.

7. Remove the passenger side interior plastic from the cargo compartment and pull back the carpet that was under the plastic.

8. Install the spindle reinforcement brackets by finding the rectangular access hole in the bulkhead located on the passenger side above and to the right of the passenger leaf spring shackle. You will see two holes in the access hole that will need to be enlarged to a 1/2 inch.



9. Place the L shaped bracket with the short leg against the two holes that you just enlarged and the long side facing the passenger side. Place the second bracket with the gusset facing the passenger side and the long portion facing up. Insert two 7/16x1 bolts with 3/8 washers through one bracket, the bulkhead and the second bracket and tighten with the 7/16 flanged nuts.
10. Mark the holes on the top portion of the bracket and drill out with the 1/2 drill bit into the cargo compartment.
11. Insert the 1/2x1 bolt with 7/16 washer from the top through the cargo floor and through the bracket and loosely tighten the 1/2 flanged nuts.
12. Loosen the 7/16 bolt and nut holding the two brackets together.
13. Lift the bumper into place over the frame side mounts. Use a helper or a jack to hold it into position.
14. Using the included 5/8" bolts, reach up behind bumper and install into slots from the outside in. The swept back design of the bumper prohibits working room on this step, so exhibit patience!

*Alternatively, you can bolt the frame side brackets onto the bumper before hoisting the whole assembly onto the frame. You can pull the weather stripping out of the way to gain access to the upper bolts on the frame side mounts. This method may take a time or two to get the alignment of everything correct however.

15. Adjust bumper pitch and height with the 5/8" bolts, or left and right with the frame side bolts/slots. Check the operation of the tailgate, lower the bumper down if the gate hits the top of the bumper.
16. **For Vanguard Only:** Insert two 7/16 bolts through the spindle reinforcement bracket and the bracket on the bumper extending from the spindle. Tighten with the 7/16 flanged nuts. Now tighten all the bolts through the spindle reinforcement brackets.
17. Once you are happy, tighten all hardware. *If you have access, a one or two foot extension can be used to more easily reach the 5/8" nuts.
18. If you're using nutstrips, install any additional skids and the unibody tie in's at this point. Their orientation (welded on spacer on top or bottom) will depend on what options you have on your Jeep. With no skids or receivers the spacer will be on top. With any additional basketry under the frame, you may need to flip the brackets side to side and leave the welded spacer underneath.
19. If you chose to purchase our integrated lower 1/4 panels, install them at this time using the instructions located here. The only difference being, you will need to drill the holes where they set over the bumpers to install that hardware. Be sure to do this after the bumpers have been correctly aligned.

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20. If your are installing a tire carrier, do so at this time following the separate tire carrier instructions.

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Enjoy your new bumper!