

LOD OFFROAD

Jeep TJ/LJ/YJ Signature Series Rear Bumper with Tire Carrier Installation Instructions

1. Begin by removing the stock bumper.



2. This applies to TJ's and YJ's Only. **Note:** *Unlimited's do not need to do this step.* Remove the 4 nuts across the rear cross-member that attaches the gas tank skid plate to the frame.

Attention: *Before removing these nuts be sure to place a floor jack underneath the gas tank skid plate.*

Removing these nuts will allow you to install the bumper in the following steps.



3. Lower the floor jack about 4". This will allow you access the back side of the rear cross-member.



4. The widest set of holes on each side of the LoD bumper will match up to the existing holes of the rear cross-member. If you have a TJ or an Unlimited you will need to drill the two inside holes for each side.

Note: YJ's will not need to be drilled their cross-member already has these holes.

On the rear cross-member measure 7-13/16" in from the outside holes and scribe a vertical mark. Do this for both sides. Now measure the existing holes from the top down and transfer those measurements over to the vertical scribe marks. Now measurement the distance between the two vertical scribe marks on the rear cross-member and compare that to the two inside sets of holes on the bumper. This measurement will confirm proper fitment of holes.



5. The picture here shows two of the holes that will need to be drilled if you have a TJ or Unlimited. Use a center punch to mark the exact location of the scribe marks from the previous step. When drilling be sure to use a small drill bit to pilot drill the holes first. Finish drilling these holes with a 1/2" drill bit. These four holes are all you need to drill to install this bumper.

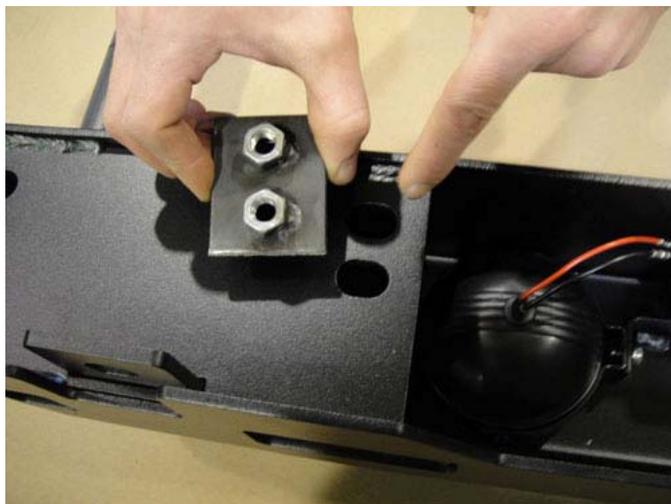


6. Install the reverse lights in the bumper. **Note:** The lights provided may differ from the ones pictured. Follow the instructions on back of the box that the lights came in for the wiring instructions.

Attention: Be sure you install wire leads to the lights before installing the bumper! After the bumper is installed you will have limited space to install the wiring.



7. The hardware will include 2 plates as in the picture with the nuts welded to them. These will go in behind the rear cross-member and line up with the holes that were drilled in step #5.



8. With the help from a friend, place the bumper up to the rear and bolt the bumper up in place using the 2 factory bolts removed from the bottom of the frame. Leave these bolts loose so you can install the rest of the bolts and have a little movement of the bumper. They will be tightened at the end. These will hold the bumper up in place while you install all of the other bolts.

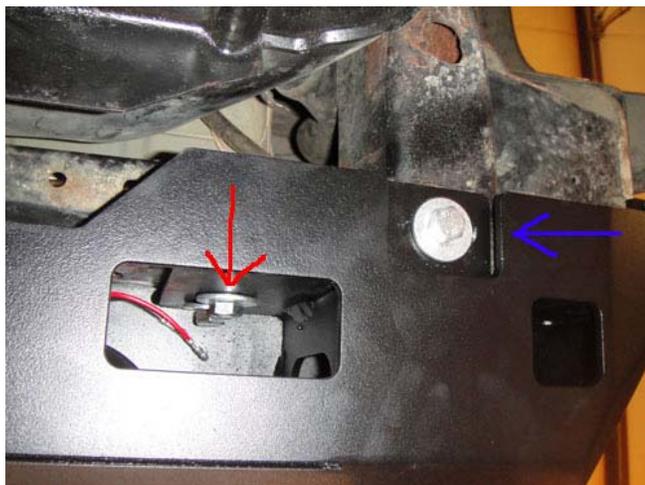


9. Next install the 4 bolts (7/16" x 1.50") on the outermost mounts of the bumper and crossmember. Install with a washer and 7/16" nut on each but do not tighten yet.

Note: If you have a TJ or LJ you will use the frame tie-ins here that are provided with the hardware.



11. Next install the last 4 bolts using the mounting plates from step 7. Place the mounting plates up behind the cross-member.



12. Align/Center the bumper side to side with the body. Also be sure the bumper is level across the back. Once the alignment is correct tighten all of the mounting bolts.



13. Next apply grease to the hinge pin. Smear a small amount all over the pin before installing the tire carrier.



14. You will need to remove the tail light lens.



15. Now remove the tail light housing from the body.



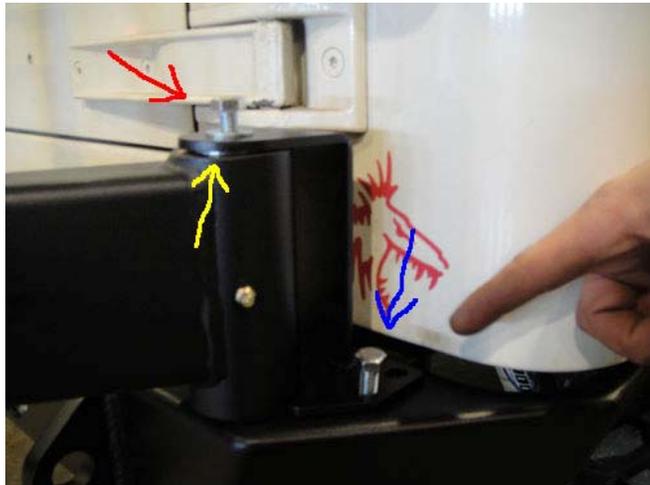
16. With the tail light removed slide the tire carrier down onto the hinge pin. **Note:** You may have to swing the carrier open and closed while pushing down at the hinge side. Be sure to support the latch end of the carrier while doing this to obtain the proper alignment to prevent the carrier from binding on the pin.



17. Install the grease zerk and gently snug in place. You can grease after everything is installed with a grease gun.



18. Next install the pin brace using 4 (3/8" x 1") bolts. Three of them will bolt into the bumper as shown by the blue arrow and 1 will thread into the Spindle as shown by the red arrow. NOTE: install a washer on top of the spindle between the spindle and pin brace as shown by the YELLOW arrow. This prevents the brace from contacting the carrier when it is rotated open and closed.



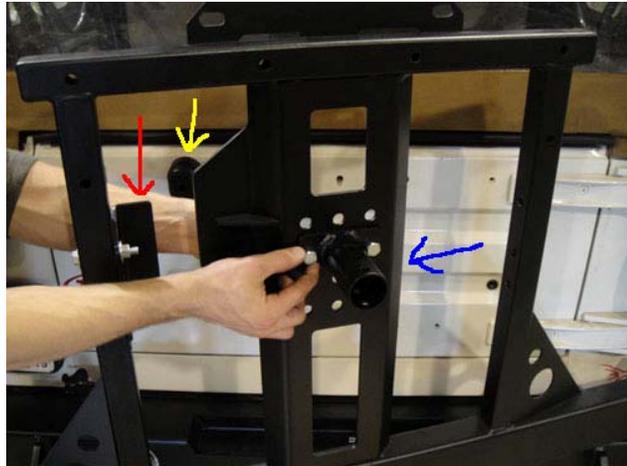
19. Install the latch using the supplied 1/4" x 3/4" fine thread bolts. Apply Locktite to these bolts and do not overtighten them.



20. With the latch bolted in place, install the U bolt as shown and adjust. Latch and unlatch the handle and adjust as necessary to make sure the handle latches tightly.

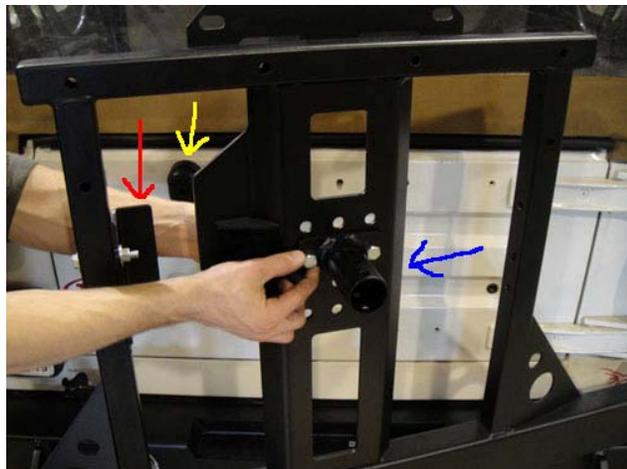


21. Next Install the L-Brackets shown with the Red arrow using the supplied 3/8" x 2.5" long bolts. The L bracket will make contact with the Rubber isolators on the back of your door shown by the yellow arrow. Unlatch the handle shown in the step above and adjust the L-Bracket to make tight contact with the rubber isolator and relatch the handle to make sure its tight.



NOTE: We supply 2 of these L-Brackets and the other one is used on the passenger side (not shown) and makes contact with the rubber isolator on the passenger side. Its recommended that you install both of them to prevent any rattling.

22. Install the 1st part of the tire mount using the supplied 3 bolts (7/16" x 1") . Your tire mount might vary in looks if you have our new updated version. The new version installs the same way.



23. The pic above shows the contact of the L-Bracket and the rubber isolator on the back of the door.



24. Next install the tire mount with the 3-1/2” studs. If you have the newer mount this piece will vary in looks also. The mount is adjustable for different backspaced wheels. Before you mount the tire read the steps below on how to choose the setting you need!



25. You will need to adjust the mount so when you tighten the lug nuts, the tire makes good tight contact with the tire carrier as shown. **DO NOT** mount the tire without it making contact with the tire carrier. This will cause rattles. Read below for more info.



26. The pic below shows that the tire mount does not actually have to touch the back of the wheel. When installed. Most importantly the tire itself needs to be tight against the tire carrier frame as shown above.



27. A high-Lift Jack can be mounted across the top of the carrier.



28. The LoD Signature Series bumper is capable of carrying jerry can mounts as well as the trail rack.

