



# 4RUNNER REAR STRIKE BUMPER INSTRUCTIONS

## TOOLS NEEDED

- 10mm Socket
- 12mm Socket
- 17mm Socket
- 19mm Socket
- Torque Wrench
- 3/16" Allen Wrench
- Trim removal tool or flathead screw driver
- Cutting Tool (cutoff wheel, body saw, sawzall...)
- Measuring Tape
- Masking Tape

## HARDWARE

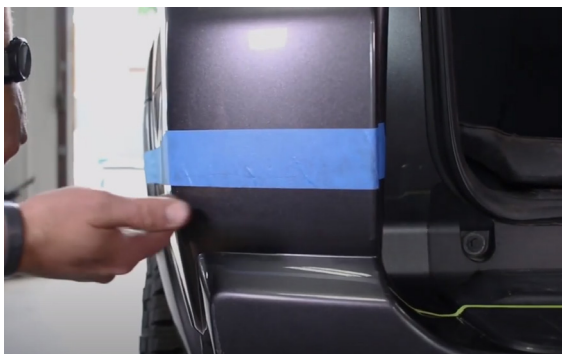
- M12 x 1.25mm, 50mm long Hex Head Screw (10)
- 1/2" washer (10)
- M8 x 1.25mm, 25mm long Hex Head Screw (6)
- Plastic Locking Plug (4)
- 5/16-18-3/4 Button Head Screw (4)
- Washer (4)

**Please read the instructions below carefully before attempting to install.**

1. The first step will be to remove the rear mudflaps. Remove the four bolts with a 10mm socket and the two clips with a trim tool or flathead screwdriver.



2. The next step will be to mark the cut line on the factory rear bumper. Measure down from the body line 5", as shown, in two places, one by the wheel well and the other just before the line turns up to the tail light. Connect these two marks with a straight line and continue it around the corner where we will make another mark. You can connect the marks using tape as a straight edge or you can use a laser level (locked) as a straight edge.



To ensure the line is straight around the corner of the bumper, measure up 2.25" from the body line as shown below. If you have a Limited or 10-13 model, you won't have this hard body line. You can check your line by measuring down from the bottom of the tail light 8.75". Continue this line, inside behind the hatch, straight back as shown.



3. The next step will be to mark the line on top of the rear bumper. Follow the seam on the bumper all the way to the corners. You can measure 1/4" from this line or use 1/4" tape and follow the line in the bumper exactly. We will then make our cut on the outside edge of the tape. When the line on the bumper ends, continue your tape straight up to your first line (blue tape).





4. Cut the rear bumper on the marked lines. Be sure to note which side of the tape is marking your line (we will be cutting on the bottom of our tape). The cut will only be through plastic so any cutting tool will work (sawzall, body saw, etc.). We are using a 4" cutoff wheel because the size makes for very straight cuts. This cut can be made without removing the bumper, just be mindful of anything behind it and try to only cut about 1/2" or less in past the bumper. On top of the bumper under the hatch, there are two metal loops for the factory spare tire storage that are fairly close to the plastic. Be careful in this area.





5. Once the cut is done, there are two bolts to remove under the plastic bumper, near the hitch. The bumper and foam can now be removed.



6. Remove the tape and clean up any rough edges with a flap disc or sand paper.



7. Remove the hitch receiver with a 17mm socket or wrench. There are four bolts on the back and two underneath.



8. Remove the factory tow hook with the same 17mm socket or wrench.



9. Next, install reverse lights (3"x3"), if you plan to run them, now. They can not be installed once the bumper is installed.



10. This step is optional, but we painted the inside of our factory bumper black so that it isn't visible behind the Strike bumper after it is installed.





11. If you are installing one or two Adventure Carriers now or plan to, installing the latch brackets while the bumper is off is a little bit easier. Bolt them on using two 1/4" x 1" hex bolts and flange nuts, with the opening of the bracket facing towards the outside of the vehicle. Then add the 1/4" button head bolt and flange nut to the outside of the bracket and tighten with a 5/32" allen. This allows the latch to contact without wearing on the powder coat.



Be sure that these bolts do not come loose over time as they are what will hold the carrier(s) closed. You can use Red Loctite here.

12. These spacers will be included and the majority of 4Runners will need them between the front mounts and the frame as shown. If you find that your bumper is sitting at a slight angle, you may not need these spacers.



13. Remove the rubber exhaust hanger. Spray the mounting holes with a lubricant and then pry it off using two pry bars or large screwdrivers. Then fold the rubber hanger down and let it hang for now. We will reinstall it later.





14. With the help of a friend, lift the bumper up into place. On the passenger side, you will need to slide the bumper mount between the exhaust and the frame. With the bumper in place and both of you still holding the bumper, loosely install the four M12 bolts above the hitch. Now the bumper will be supported and you can work on the bottom mounts.



15. Make sure that the lip of the remaining stock plastic bumper (under the hatch) is underneath the Strike Bumper. If not, you should be able to wiggle the bumper and press it underneath now. Also check to make sure the bumper is centered and the notches in the Strike bumper are around the vertical cuts on the factory plastic.



- 16.** Now install the rest of the frame mount bolts loosely. Start with the two rear M12 bolts and washers. Then start the three front M8 flange head bolts. You may have to move the bumper around slightly to get all of the holes aligned. Once they have all been started finger tight, do the same on the other side.



- 17.** Start the two M12 bolts underneath the bumper up under the chain hangers on either side of the hitch receiver.



- 18.** Once all of the bolts have been started by hand and the bumper is aligned, go ahead and tighten them down. The M8 bolts will use a 12mm socket and the M12 bolts will use a 19mm socket.

If any of the M8 bolts seem to have difficulty threading in STOP and chase the threads in the frame using an M8 1.25 tap. This will clean up the threads in the frame and allow the bolt to install easily.



**19.** Now torque the bolts. Torque the M8 bolts to 20-25ft-lbs and the M12 bolts to 60ft-lbs.



**20.** Reinstall the rubber exhaust hanger.



**21.** Install the cover plate using four 5/16" button head bolts and washers. We recommend putting some anti-seize on the threads. Tighten them down with a 3/16" allen.





- 22.** If you are not installing an Adventure Carrier now, install the plastic caps on the top and bottom of the spindle sleeves. Use some black RTV to keep them in place and keep water out. This will keep the spindle sleeves clean and allow you to install a carrier or carriers later on!



- 23.** That's it! Ensure all of your bolts are fully tightened, wire your lights, and enjoy your new Strike Rear Bumper! If you are installing an Adventure Carrier, check out the install video and document on the Adventure Carrier product page.