



Rear hitch bumper installation guide

Professional installation is recommended

Included in the kit:

- 1 rear hitch bumper
- 2 bumper mounts
- 1 bumper filler panel with license plate mount
- 1 3 inch LED flush mount floodlight (reverse light)
- 4 M10x35 bolts
- 4 M10x25 bolts
- 12 M10 nuts
- 1 M8x25 bolt
- 1 M8 nut
- 2 M6 stainless steel acorn nuts (license plate)
- 2 M4x30 screws (license plate light)
- 2 M4 nyloc nuts (license plate light)
- zip ties
- butt connectors (reverse light)

Skill level: Moderate

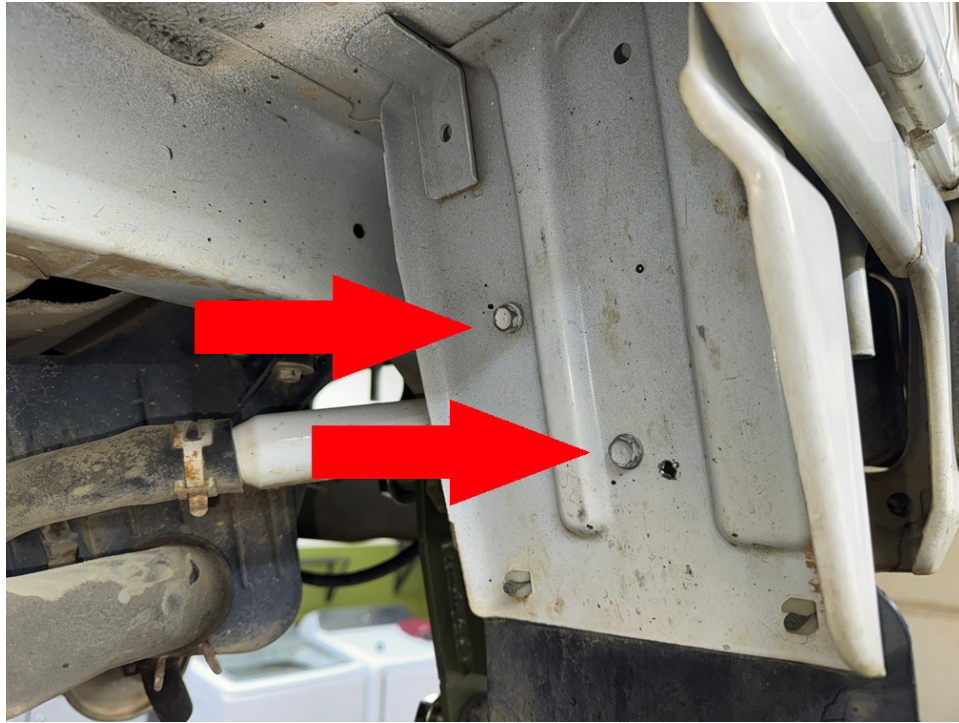
Installation time: 1-2 hours

Tools required: Floor jack, metric socket set to 14mm, center punch, compact power drill or 90° drill, drill bit set to ½", stepped drill bit, 14mm ratcheting wrench, round file, sharpie marker.

Note to installer: Installing this bumper requires drilling and permanent modification to the rear fenders. This bumper kit does not include trailer light connectors. Trailer wiring will have to be purchased and installed separately.

Step 1. Lift vehicle and remove rear wheels

Step 2. Remove 2 10mm bolts holding oil filler tube to rear fender.



Step 3. Remove rubber plug on passenger (LH) side rear frame rail and install flag bolt as shown:



Step 4. Place mounting bracket in place, with flag bolt passing through mounting hole. Be sure the mounting bracket presses tightly against the rear fender. Install M12 nut onto flag bolt to secure mounting bracket.

NOTE: It is sometimes necessary to reposition the fender since they bend easily and could be in a slightly different position depending on the condition of the vehicle.



Step 5. Mark holes to be drilled using a sharpie.



Step 6. Remove the bracket and mark the holes with a center punch.



Step 7. Using a 7/16 drill bit, drill holes through frame rail.

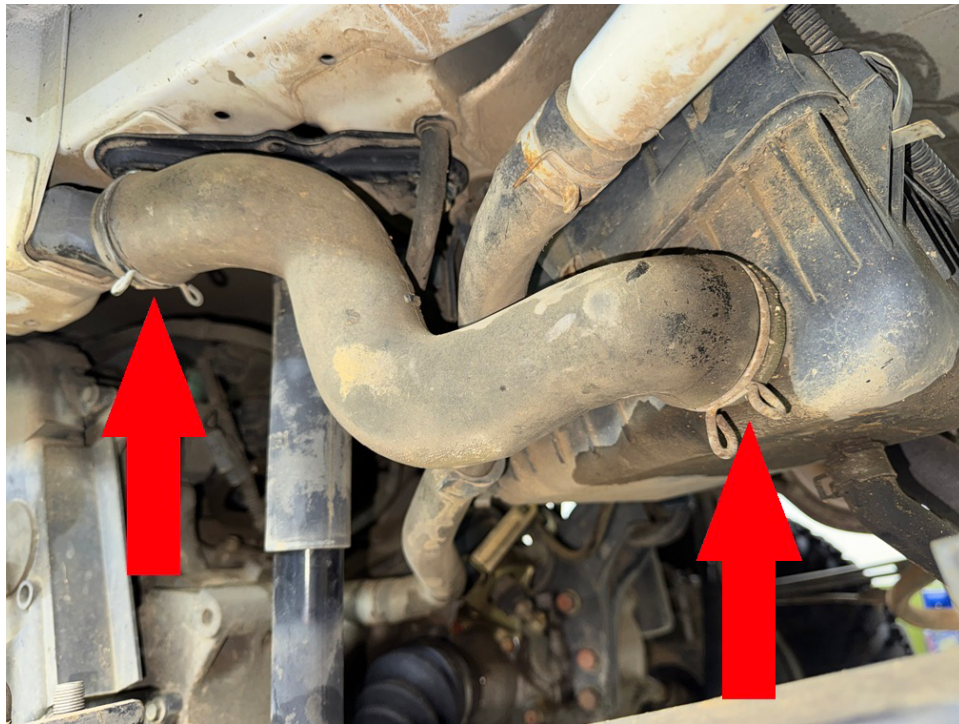


Step 8. We used a compact drill for the rear hole, but a 90* drill would be ideal.

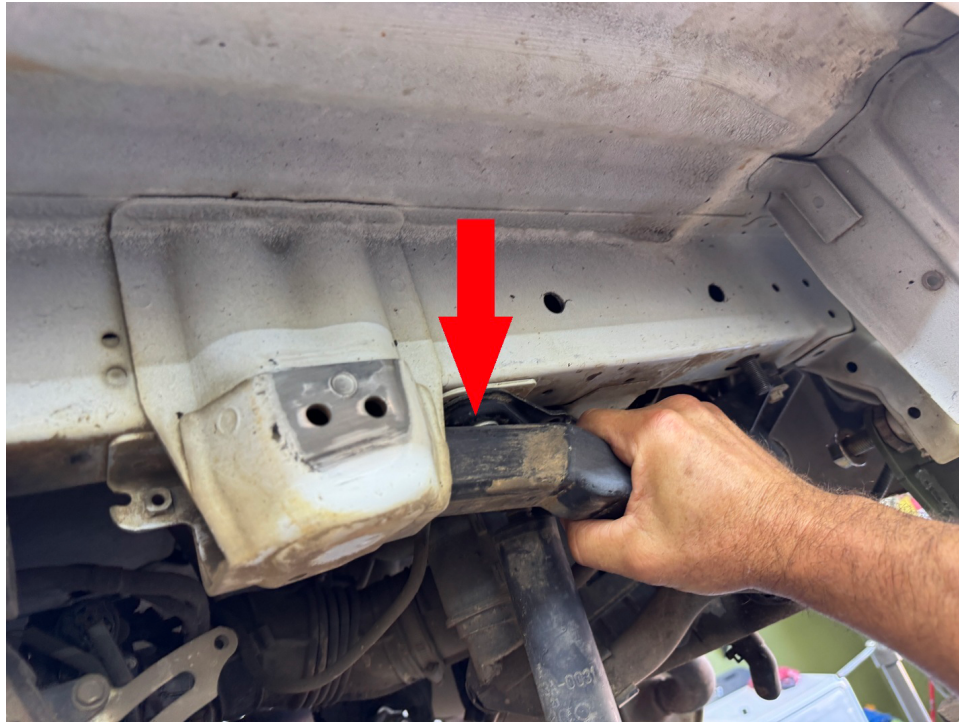


Step 9. Test fit the bracket and enlarge bolt holes if necessary to allow mounting bolts to pass completely through frame.

Step 10. Remove the rubber air intake hose.



Step 11. Remove plastic air intake pipe.



Step 12. Remove bolts holding shock absorber to frame.

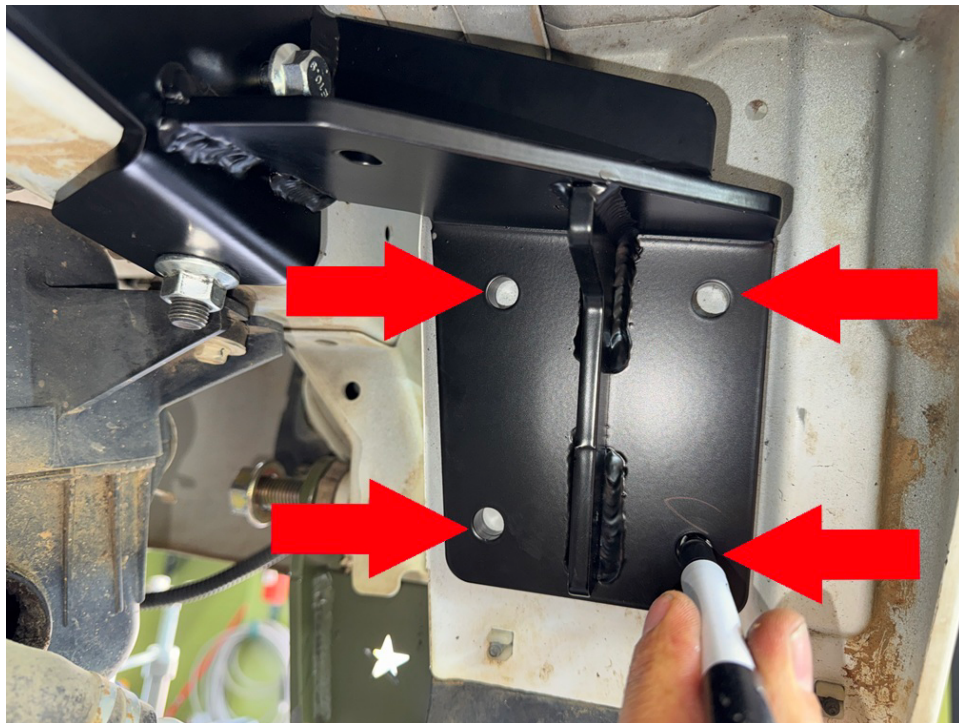


Step 13. Bolt frame mount in place temporarily.

NOTE: Failure to bolt mount to frame before marking holes in fender can cause the bumper mounting bracket to be off center.



Step 14. Mark holes to be drilled in fender as shown.



Step 15. Remove bracket once again and drill holes in fender as shown.



Step 16. Enlarge holes as needed using a stepped drill bit.



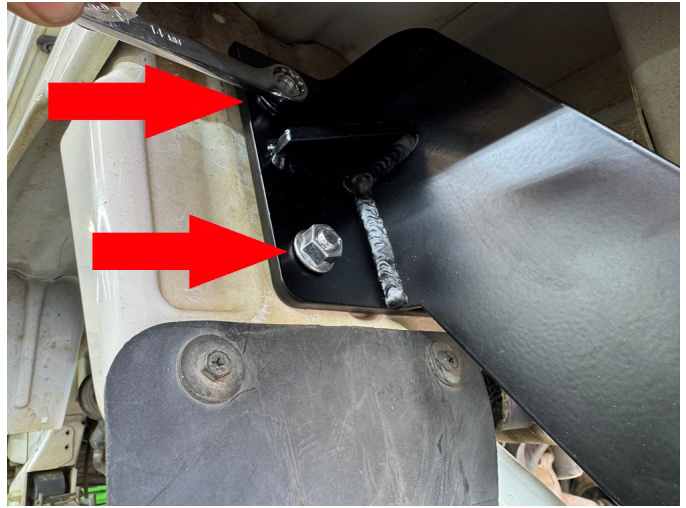
Step 17. File burrs in metal as needed.



Step 18. Bolt frame mount into place for the final time. Double check that the holes in the fender line up with the holes in the mount.



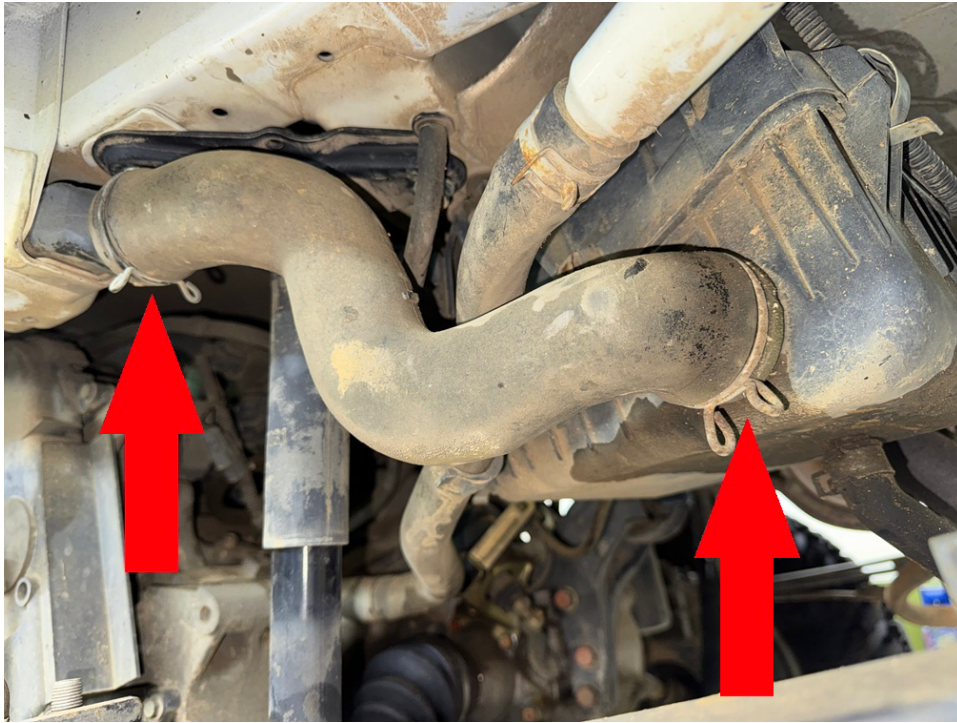
Step 19. Bolt bumper mounting bracket to frame mount using M10x35 bolts as shown. Leave these bolts loose for now.



Step 20. Reinstall shock absorber.



Step 21. Reinstall plastic air pipe and rubber air hose.



Step 22. Mount oil filler tube to frame mount using the stainless steel bracket included in the kit. Adjust mounting position as desired. Tighten M8 bolt and nut to 20 ft-lb.

Step 23. Repeat frame mount and bumper bracket installation on driver (RH) side.

Step 24. Lift bumper into place and align mounting studs with bolt holes in bumper mounting brackets.



Step 25. Attach bumper to brackets using M10 nuts.



Step 26. Adjust alignment of bumper as needed to center and level it. Tighten all hardware on brackets and bumper. Torque all bolts and nuts to 35 ft-lb.

Step 27. Install license plate relocation bracket using OEM license plate hardware.

Step 28. Enjoy your new bumper!

**For tech support, please call 1-844- HRG LIFT (474-5438) from 8-4:30 PM EST
Mon-Thu 8-3:30 PM Fri or email us 24/7 at support@hrgoffroad.com.**

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