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Rough Country 51210 Installation Instructions

Tubular Rear Bumper for 2021-2025 Ford Bronco 4WD

Part number: 51210

trailfortress.com/tubular-rear-bumper-ford-bronco-4wd-rough-country-51210

Scan for fitment, price and install help

925121000

FORD 2021-23 BRONCO REAR TUBULAR BUMPER

Thank you for choosing Rough Country for all of your accessory needs.

Rough Country recommends that a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle. Please read all the instructions before beginning the installation.

Check the kit hardware against the ‘’Kit Contents’’ list below. If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product. Check all fasteners for proper torque. Check to ensure for adequate clearance between all components. **Periodically check all hardware for tightness.**

Be sure you have all the needed parts and understand where they go. Also, please review the “Tools Needed” list to be certain you have the necessary tools to complete the installation.



TOOLS NEEDED:

4mm Allen Wrench
16mm Wrench or Socket
18mm Wrench or Socket

KIT CONTENTS:

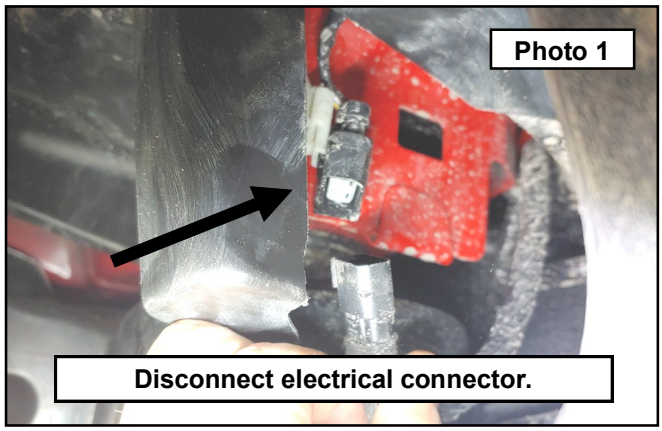
Bumper
D-Ring - 2
Sensor Cap - 4
Foam Spacer - 4
Foam Washer - 4
Sensor Plug - 4
Sensor Wire Extension (short)
License Plate Relocation Bracket
License Plate Plug - 2
License Light Harness Extension
Wire Tie - 10

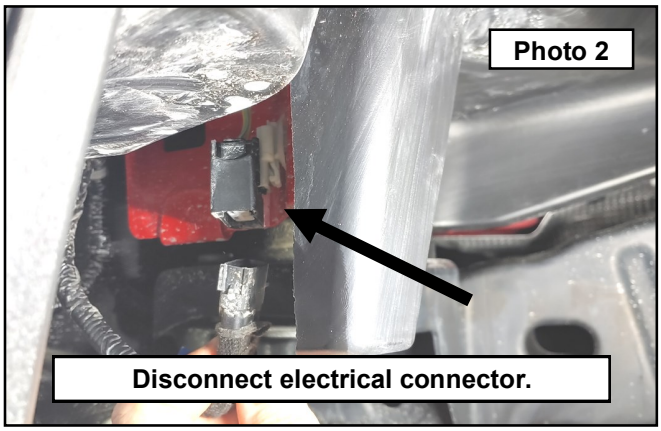
HARDWARE INCLUDED:

12mm Lug Nut - 2
12mm x 30mm Bolt - 2
12mm Small Flat Washer - 2
12mm x 45mm Bolt - 4
12mm Large Flat Washer - 4
12mm Lock Washer -6
10mm x 35mm Bolt - 4
10mm Flat Washer - 4
10mm Lock Washer - 4
6mm x 20mm Button Head Bolt - 10
6mm Flange Nut - 4
4mm Self Tapping Screw - 8

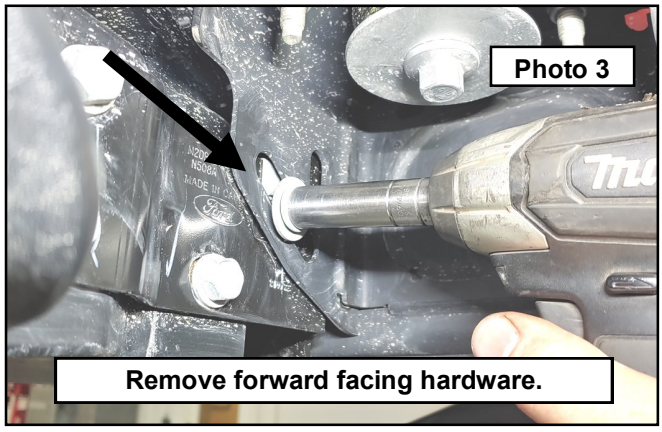
Rear Bumper Installation

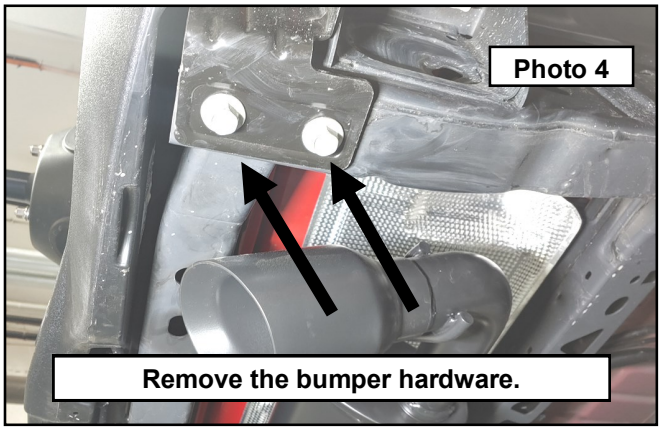
1. Park your vehicle on a clean flat surface, engage the parking brake and block the tires.
2. **Save all hardware removed from the vehicle unless otherwise noted.**
3. Open the hood and disconnect the negative terminal on the battery.
4. Disconnect the electrical connectors for the license plate light on the driver side behind the wheel well. **See Photo 1.**
5. If you have the parking sensor option, disconnect the electrical connector on the passenger side behind the wheel well. **See Photo 2.**



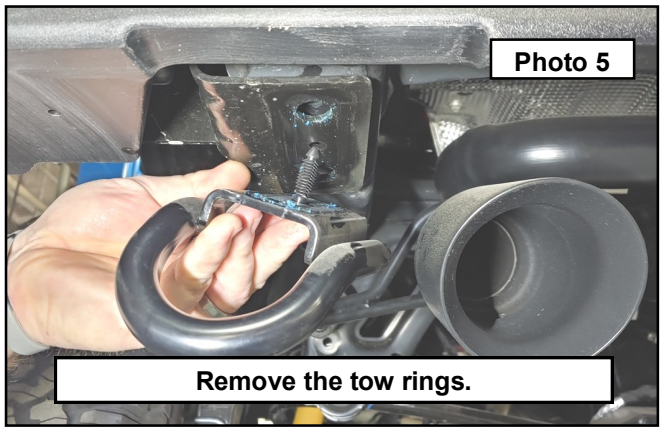


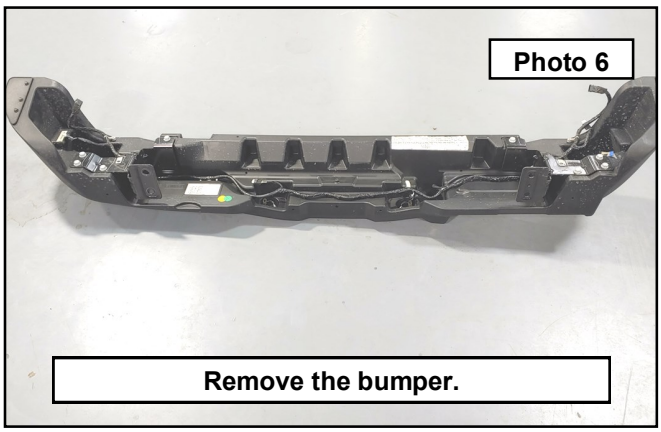
6. Under the vehicle, remove the two 10mm bolts attaching the bumper to the body mounts using a 13mm socket. **See Photo 3.**
7. With the help of an assistant or floor jack to hold the bumper, remove the lower 12mm mounting hardware using a 18mm socket. **See Photo 4.**



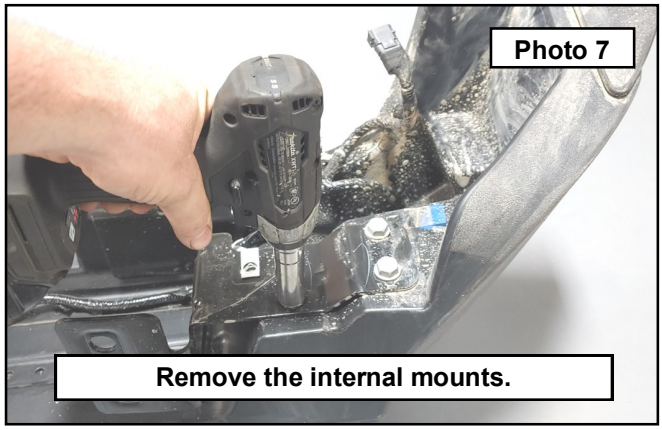


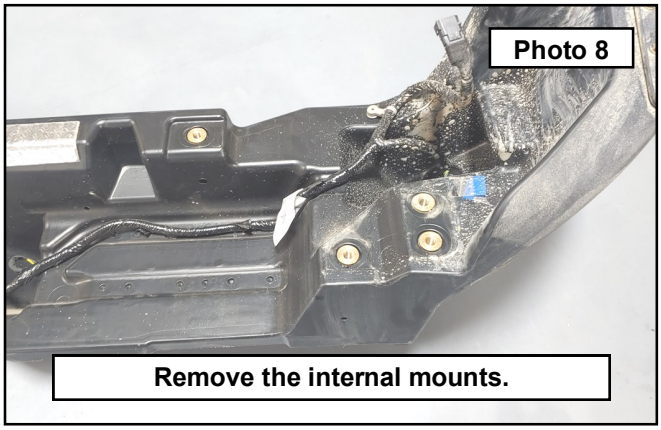
8. To remove the factory tow rings, pull down from the frame as it will be held in place with a plastic push pin after removing the 12mm hardware. Make sure your assistant or jack is holding the bumper while you remove the hardware. **See Photo 5.**
9. Pull the bumper down and out of the way and set aside. **See Photo 6.**



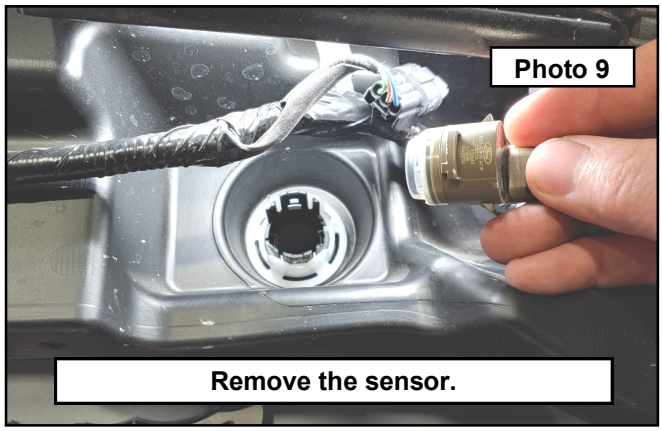


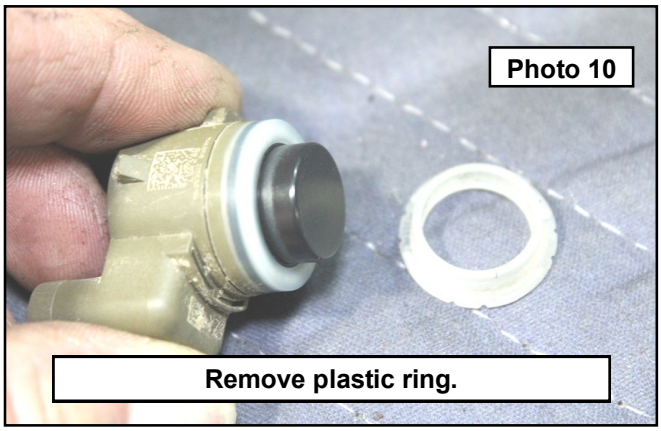
10. If your bumper came with parking sensors follow the removal and installation steps. If you do not have parking sensors, skip ahead to the bumper installation. Start by disconnecting the parking sensors connectors. Remove the internal brackets from the bumper using a 15mm socket. **See Photo 7 and Photo 8**



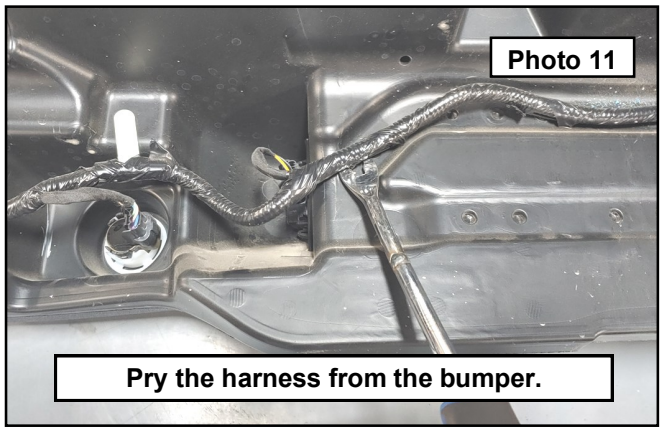


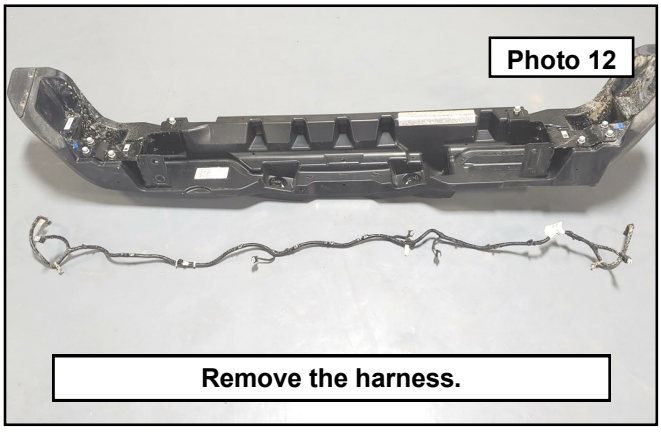
11. Use a pry tool or small flat blade screwdriver to open the tabs holding the sensor in place and pull the sensor out of its mount. Remove plastic ring around sensor. **See Photo 9 and Photo 10**



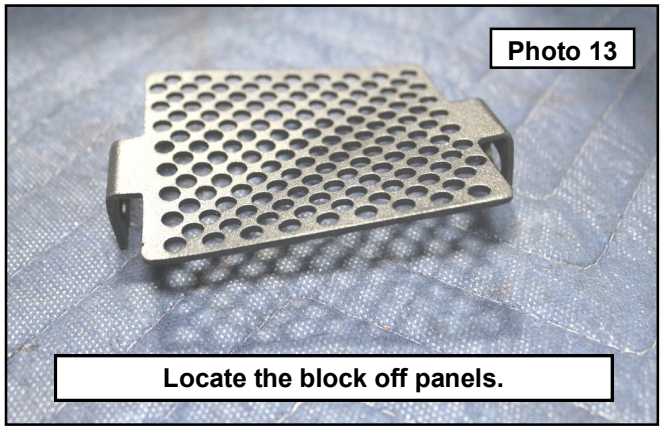


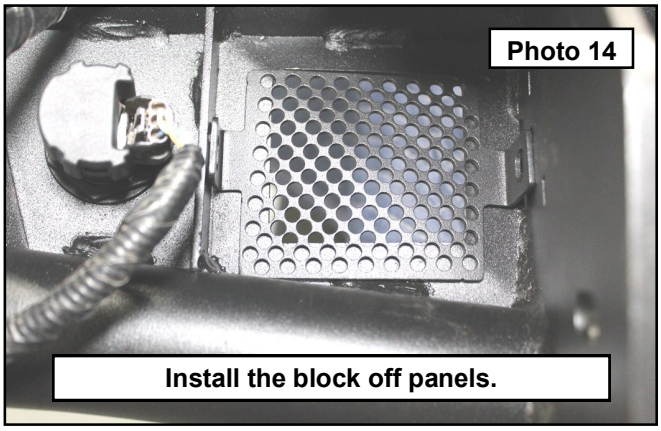
12. Remove the harness from the bumper by prying all the plastic push pins from the bumper housing. **See Photo 11 and Photo 12.**



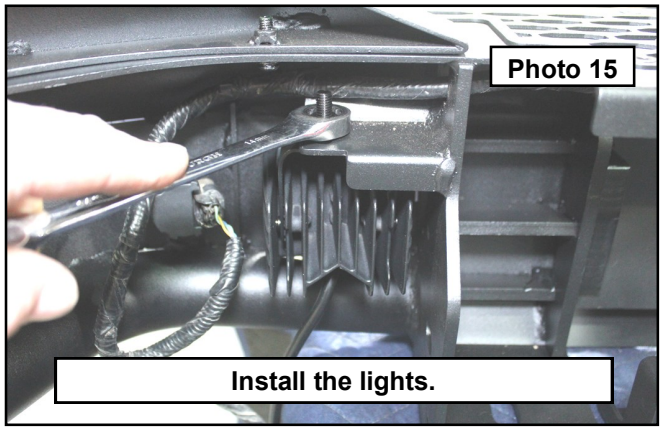


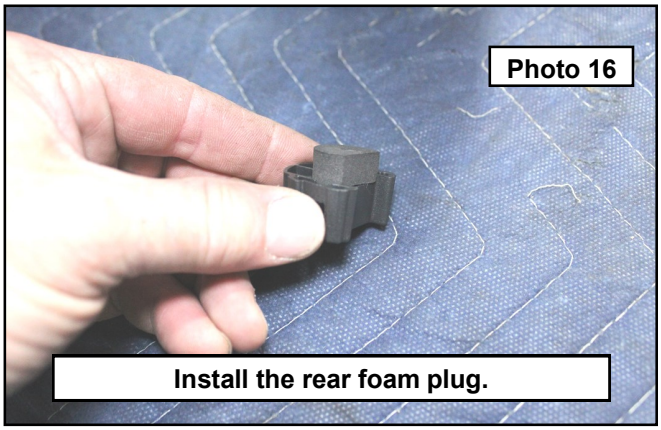
13. **For use for applications LED lights are not utilized:** Install the block off panels to the bumper using the provided 6mm bolts, washers and mount. **See Photo 13 and Photo 14**



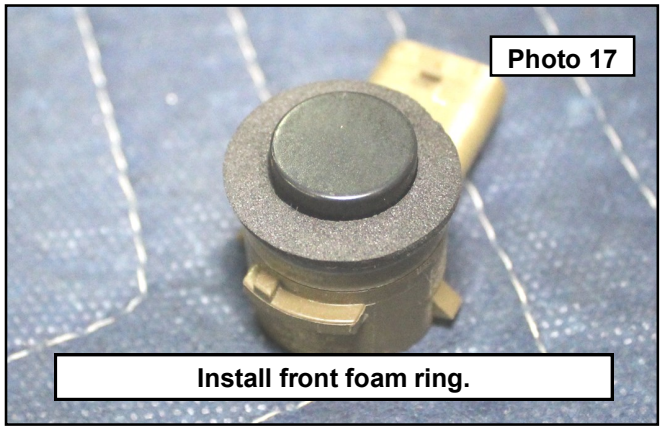


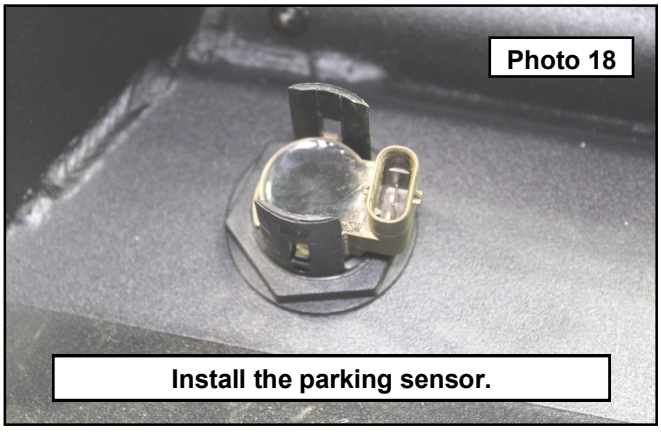
14. **Light option bumpers:** Install the lights using the hardware from the light kit. If desired, light block-off panel can be installed ***with*** the light mounted. **See Photo 15.**
15. **Parking sensor option:** Locate the parking sensor components included with the kit. There should be a rear foam plug, rear sensor backer, and front foam ring. Remove adhesive backer and install the rear foam plug into the rear sensor backer. **See Photo 16.**



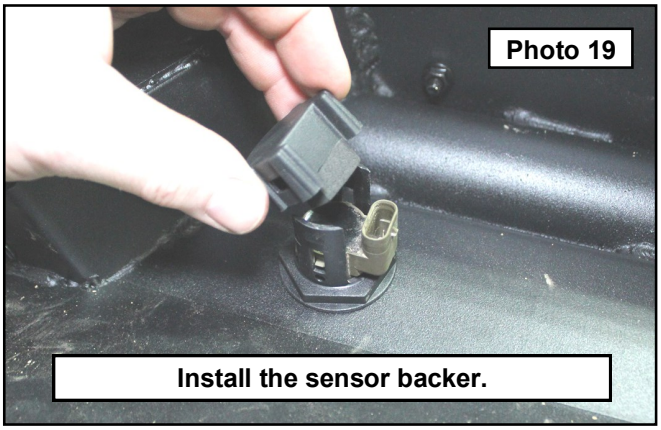


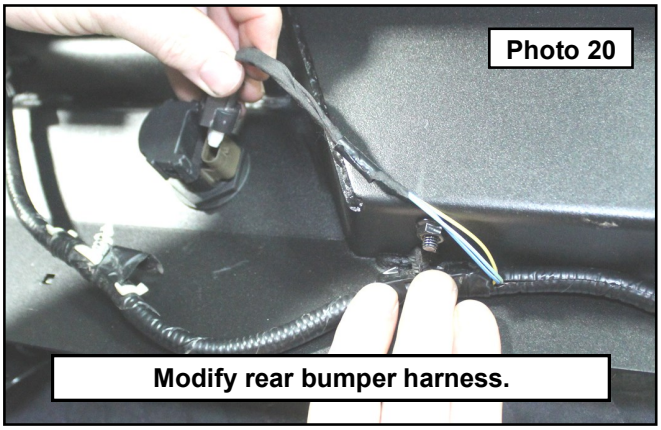
16. Remove adhesive backer on front foam ring and install on the front of the sensor. **See Photo 17.**
17. Install the parking sensor into the mounting location. **See Photo 18.**



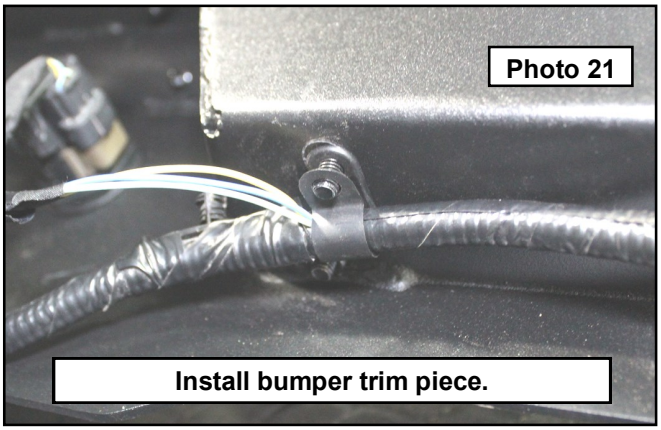


18. Place rear sensor backer over the installed parking sensor. **See Photo 19.**
19. Repeat for remaining parking sensors.
20. Connect the parking sensors to the previously removed bumper wiring harness. One of the middle sensors wires will be too short. Use a knife to carefully slit the protective wire loom only. Pull the sensor connector out of the loom until it reaches the parking sensor location. **See Photo 20.**



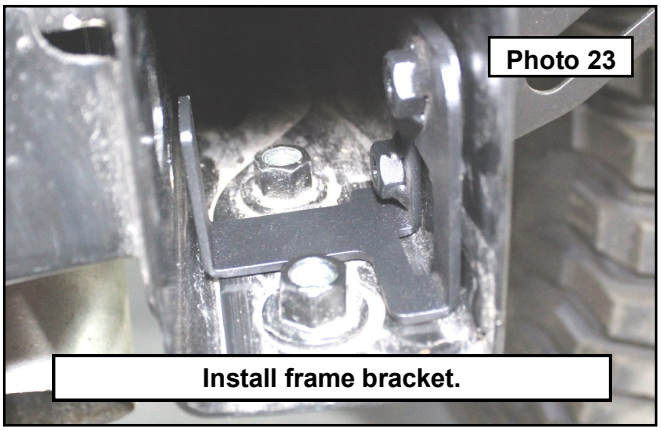


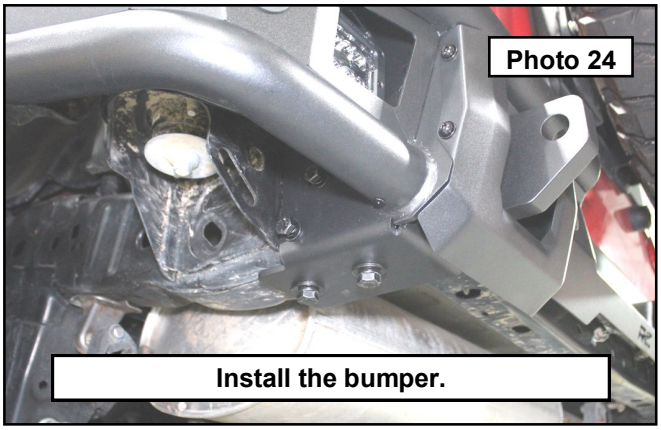
21. Secure the wiring harness to the bumper using the supplied wire harness clips. **See Photo 21.**
22. Use electrical tape to protect the modified wires.
23. Use the supplied button head bolts, lock washers, and flat washers to install the bumper trim pieces. Tighten with a 4mm Allen wrench. **See Photo 22.**



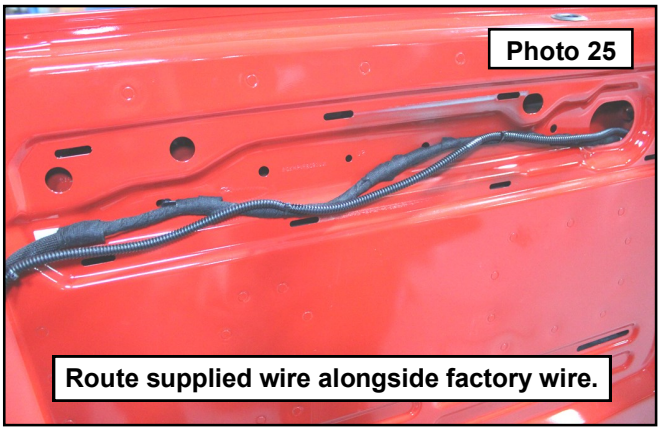


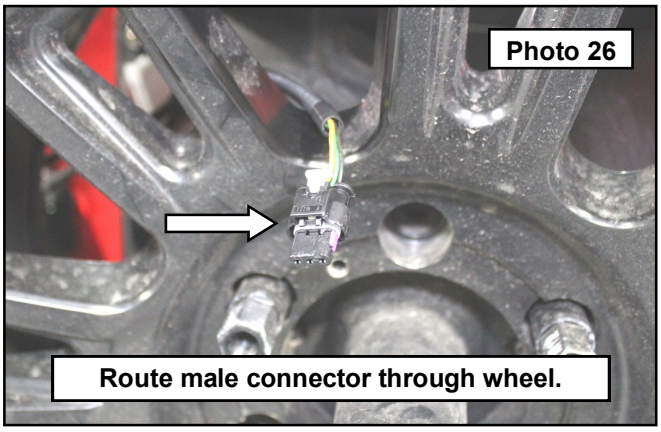
24. Place the rear frame bracket into the opening of the vehicle frame and repeat for other side. **See Photo 23.**
25. Place the rear bumper over the frame rails and align the bumper mounting holes with the previously installed frame bracket. Install supplied 12mm hardware for the underside mounting holes and install supplied 10mm hardware for the side mounting holes. Tighten with an 18mm wrench and 16mm wrench. **See Photo 24.**



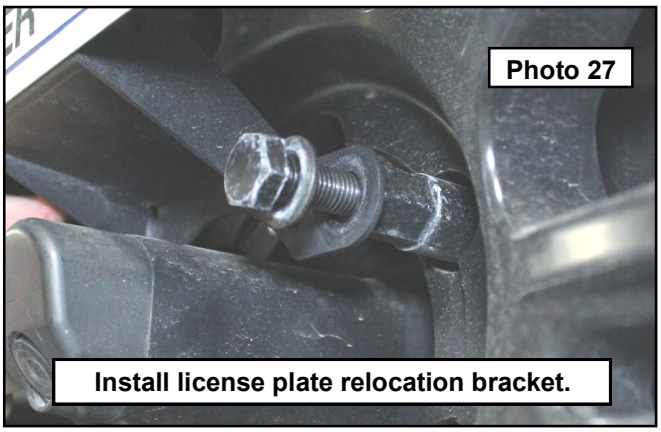


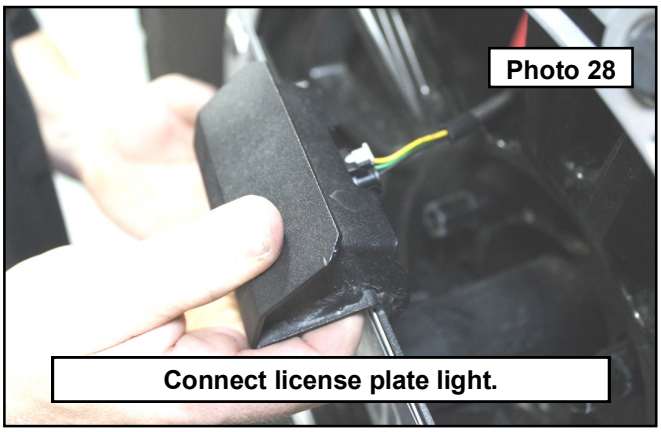
26. Run the supplied wire from the factory license plate light plug in the vehicle body, along the body and tailgate, to the spare tire mount. **See Photo 25 and Photo 26.**





27. Mount the license plate to the relocation bracket, and install relocation bracket with supplied hardware. Tighten with an 18mm wrench. **See Photo 27.**
28. Connect the male end of the plug into the license plate light on the relocation bracket. **See Photo 28.**





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