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Rough Country 51215 Installation Instructions

Tubular Rear Bumper for Ram 1500 (2019-2025)

Part number: 51215

trailfortress.com/tubular-rear-bumper-ram-1500-rough-country-51215

Scan for fitment, price and install help

ROUGH COUNTRY

921512150

Ram 1500 Rear Tubular Bumper

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
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.

Kit Contents:

Rear Bumper x1
DS Mesh Plate x1
PS Mesh Plate x1
D-Rings x2
Cable Ties x10
Sensor Seals x6
Foam Spacers x6
Sensor Hole Plug x6
Sensor Retainer Caps x6
Sensor Cover Kit x6
Harness x4
License Plate Plugs x2

Tools Needed:

15mm Wrench or Socket
19mm Wrench or Socket
2.5mm Allen Wrench (Included)
4mm Allen Wrench (Included)

Hardware Included:

Philips Screws x12
12mm Nut Plates x2
12mm x50mm Hex Bolts x4
12mm Flat Washers x4
12mm Lock Washers x4
4mm x10mm Allen Bolts x2
4mm Flat Washers x4
4mm Lock Washers x2
4mm Hex Nuts x2
6mm x20mm Allen Combo Kits x4
6mm Hex Flange Nuts x4

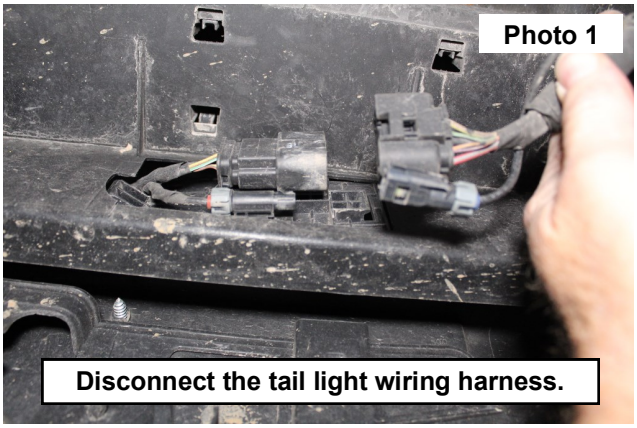


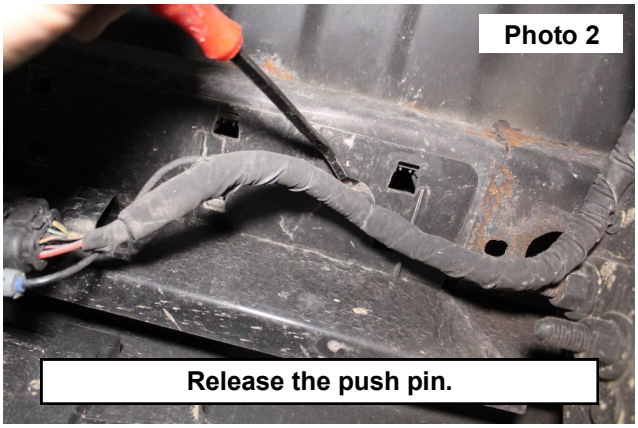
Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

INSTALLATION INSTRUCTIONS

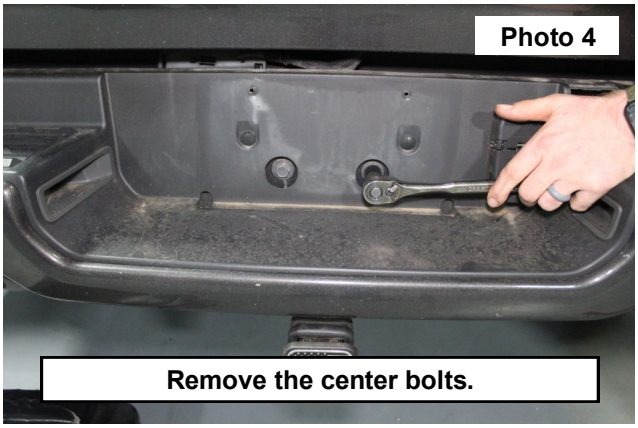
1. Disconnect the tail light wiring harness. **See Photo 1.**
2. Using a pry tool release the push pin securing the wiring harness to the bed. **See Photo 2.**



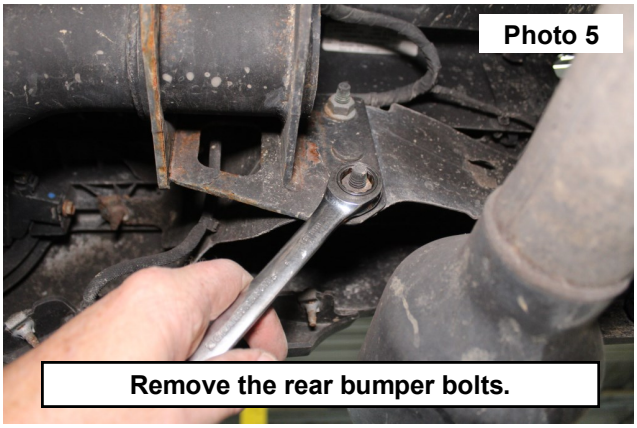


3. Release the red security tab and disconnect the trailer light wiring harness. **See Photo 3.**
4. Remove the license plate from the bumper, then remove the (2) center bolts from the bumper using a 13mm socket. **See Photo 4.**



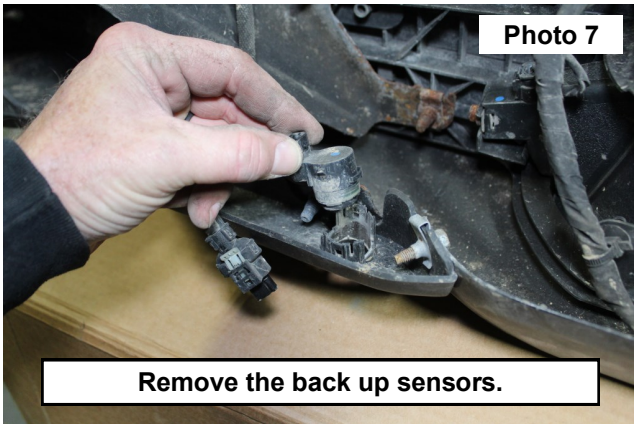


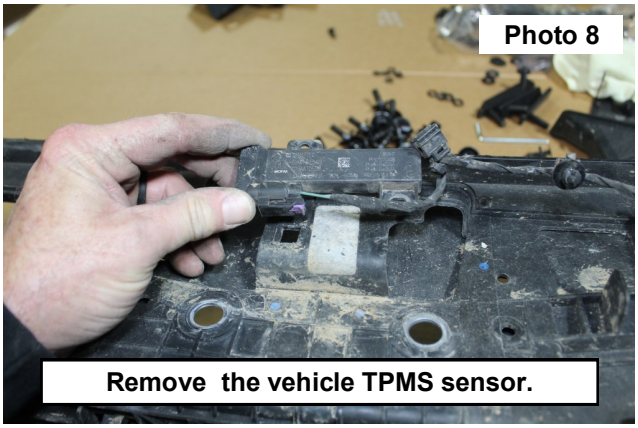
5. Support the bumper, Then remove the (2) nuts Per side using an 18mm socket. **See Photo 5.**
6. Remove the bumper and place it in a safe place. Disconnect the trailer harness from the plug, then release the clips and remove the plug from the bumper. **See Photo 6.**



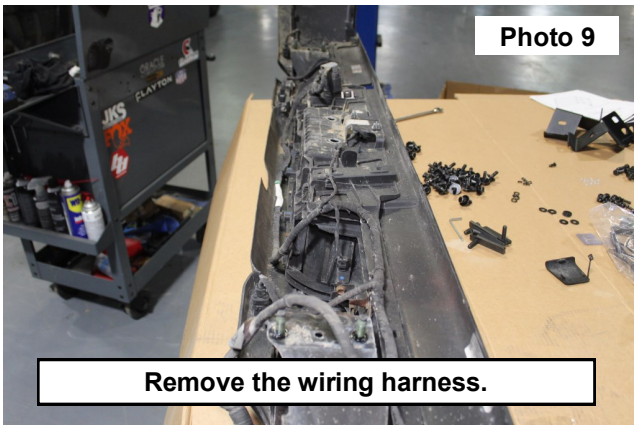


7. Disconnect the wiring harness from the back up sensors. Release the tabs on each side of the sensor and remove from the bumper. **See Photo 7.**
8. If equipped, Remove the Remote Key Antenna from the bumper. **See Photo 8.**



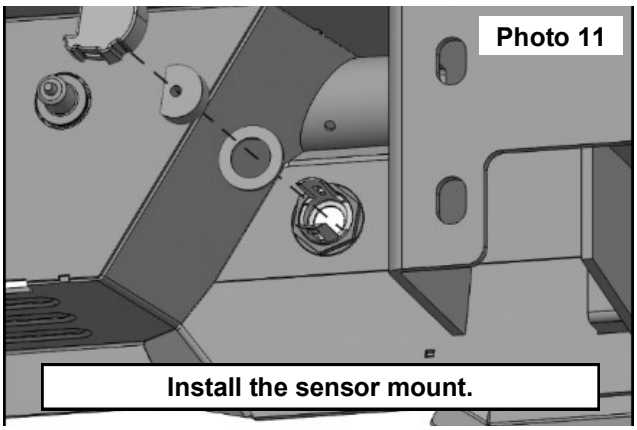


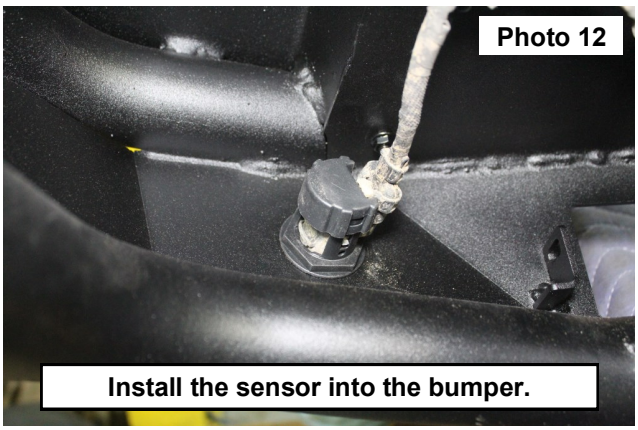
9. Remove the wiring harness from the bumper. **See Photo 9.**
10. Install the Remote Key Antenna onto the bumper using (2) of the supplied 4mm Button head bolts, (2) 4mm lock washers and (4) 4mm Flat Washers and (2) 4mm hex nuts. **See Photos 10.**



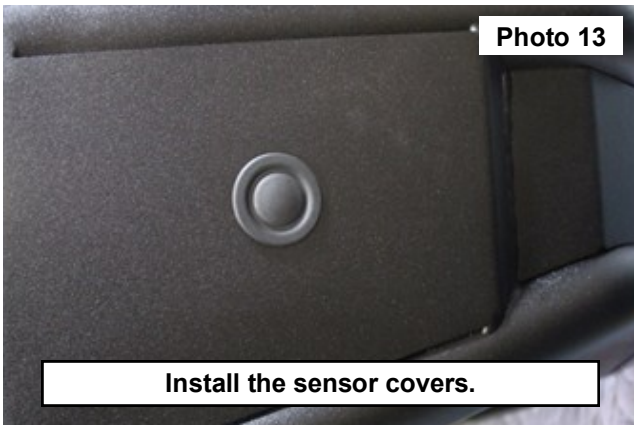


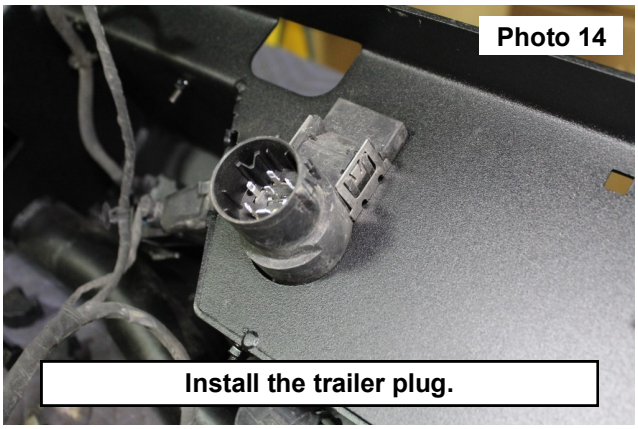
11. Installing the sensors into the bumper, tighten the (2) part sensor mount into the holes of the new rear bumper. Use the rubber bumper and the cap shown in photo 11. Press the sensor into the mount seating the sensor face to the outside of the mount. Then use the rubber bumper and cap to secure. **See Photos 11 and 12.**



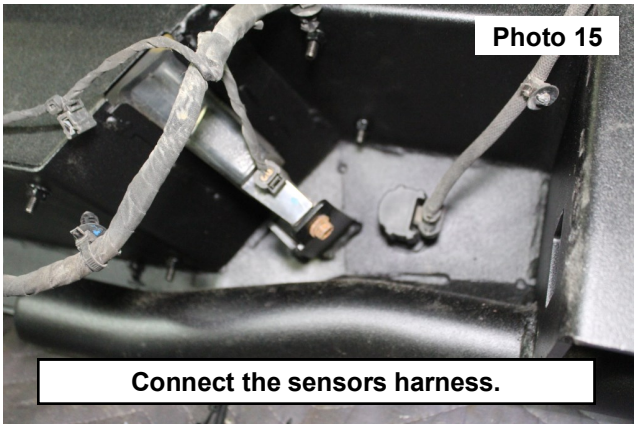


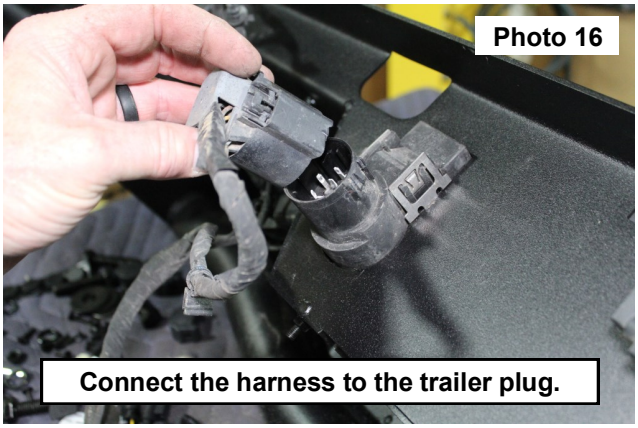
12. If not equipped with rear sensors install the sensor plug into the bumper. **See Photo 13.**
13. Install the trailer plug into the bumper, seat the plug using the OE clips on the back side. **See Photo 14.**





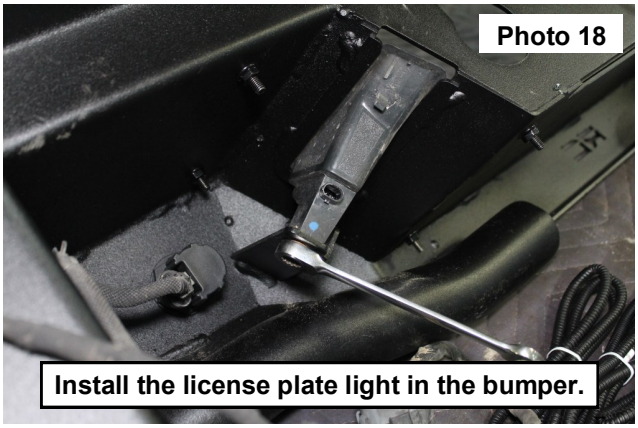
14. Install the wiring harness onto the bumper. Connect the sensors and the rear trailer plug. See Photos 15 and 16.



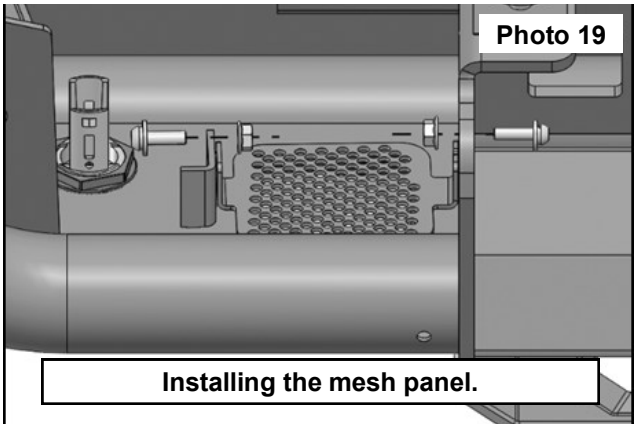


15. Remove the license plate lights from the rear bumper and install them into the rear bumper using the retained OE bolt. **See Photos 17 and 18.**



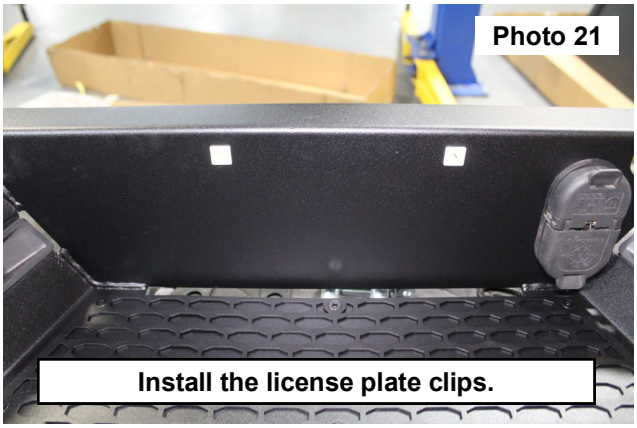


16. Install the mesh panel or the LED lights inside the bumper using the supplied hardware and the corresponding instruction sheet for wiring installation. **See Photos 18 and 19.**



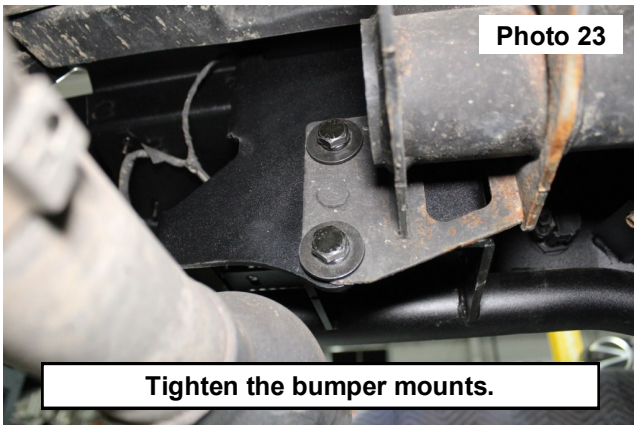


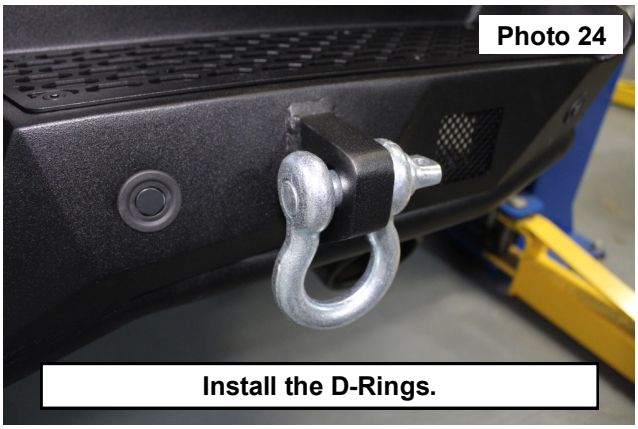
17. Place the (2) license plate clips into the square holes in the bumper. **See Photo 21.**
18. Support and Place the bumper onto the rear frame ends. **See Photo 22.**





19. Secure the bumper using (2) of the supplied flag nuts and (2) 12mm hex head bolts and (2) 12mm flat washers Per side to secure the rear bumper. Tighten using a 19mm socket. **See Photo 23.**
20. Install the D-Rings onto the right and left side of the bumper. **See Photo 24.**





21. Connect the tail light and trailer wiring harness.