TRAIL FORTRESS

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Rough Country 10650 Installation Instructions

Tubular Rear Bumper for Jeep Gladiator (2020-2025)

Part number: 10650

trailfortress.com/tubular-rear-bumper-jeep-gladiator-rough-country-10650

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

921065000

JEEP 2019-21 Gladiator 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 Tube Bumper x1
Right Upper Bumper Bracket x1
Left Upper Bumper Bracket x1
Sensor Foam Retainers x4
Sensor Clips x4
Sensor Plugs x4
License Plate Inserts x2
Wire Ties x10

TOOLS NEEDED:
Flat Pry Tool
13mm Wrench or Socket
16mm Wrench or Socket
18mm Wrench or Socket
19mm Wrench or Socket
21mm Wrench or Socket

HARDWARE INCLUDED:
Single Flag Bolts x2
Double Flag Bolts x2
Clear Retainers x4
12mm Thin Washers x10
Large Spacer Washers x4
12mm Nylock Nuts x6
12mm Nuts x4
12mm x 40mm Hex Head Bolts x4
12mm Lock Washer x4
Screws x8



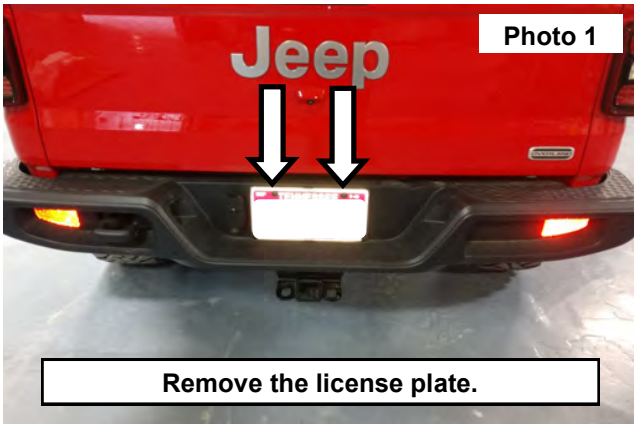
Torque Specs:

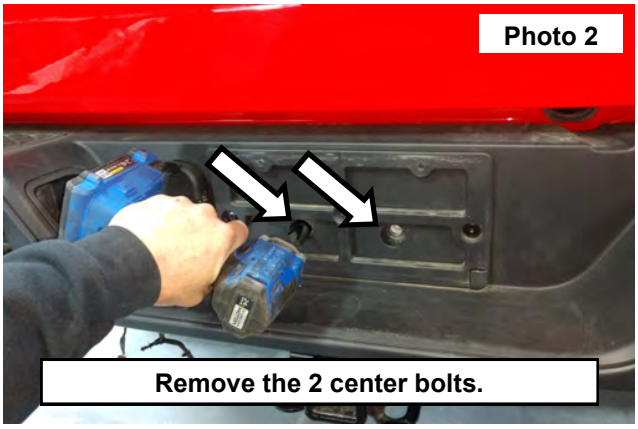
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs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

RC ROUGH COUNTRY

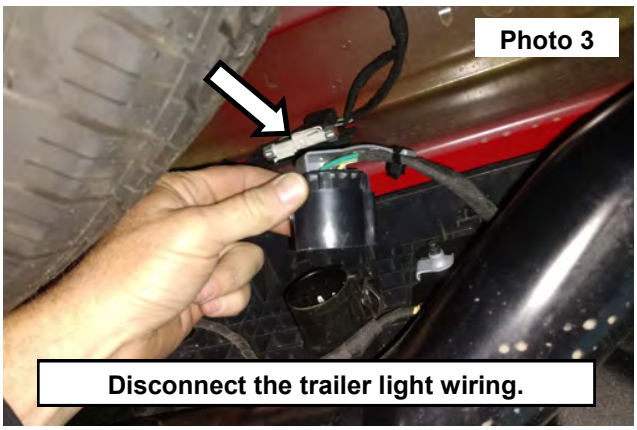
INSTALLATION INSTRUCTIONS

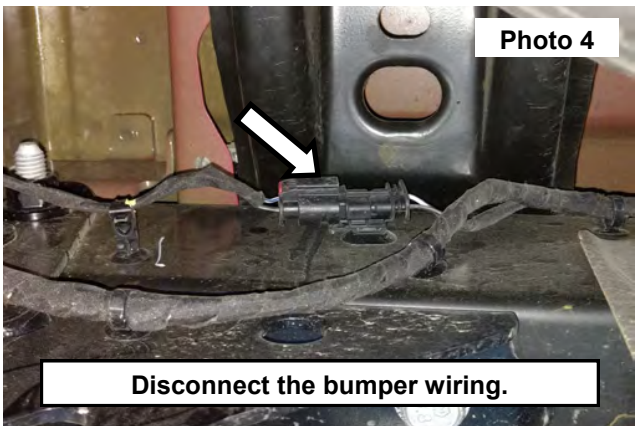
1. Remove the (2) license plate screws using a Phillips screw driver. **See Photo 1.**
2. Remove the (2) bolts in the center of the bumper using a 16mm socket. **See Photo 2.**



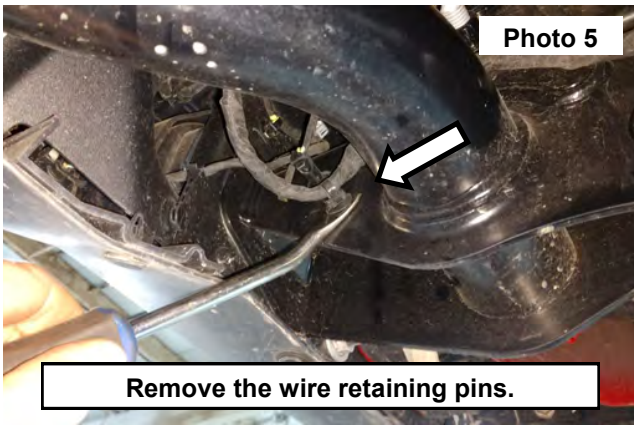


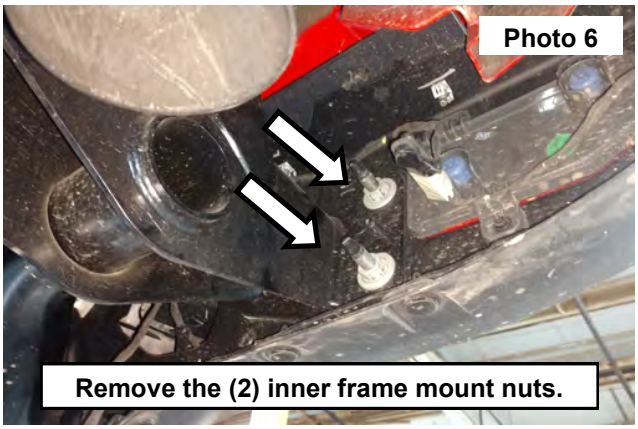
3. Disconnect the trailer light wiring harness from the bumper plug. **See Photo 3.**
4. Disconnect the sensor and license plate wiring from the frame plug. **See Photo 4.**



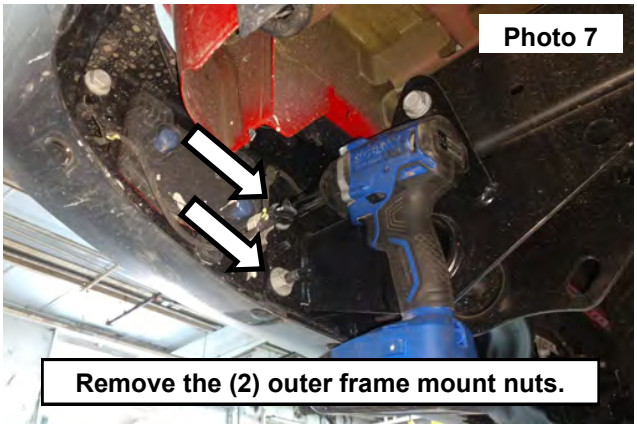


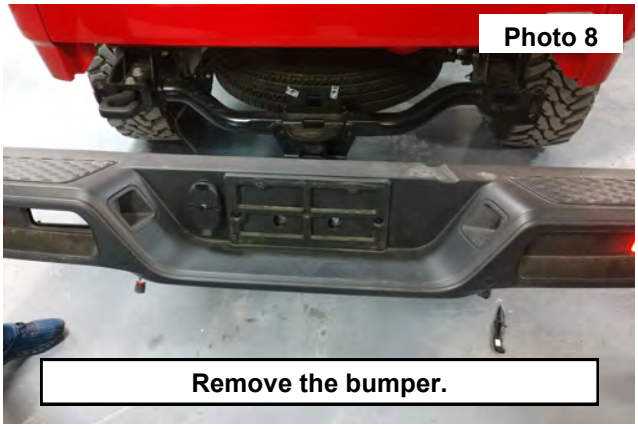
5. Use a pry tool to remove the wire retaining pins from the bumper. **See Photo 5.**
6. Support the bumper. Do not get under an unsupported bumper.
7. Remove the (2) outer frame mount nuts on the drivers side using a 16mm socket. **See Photo 6.**



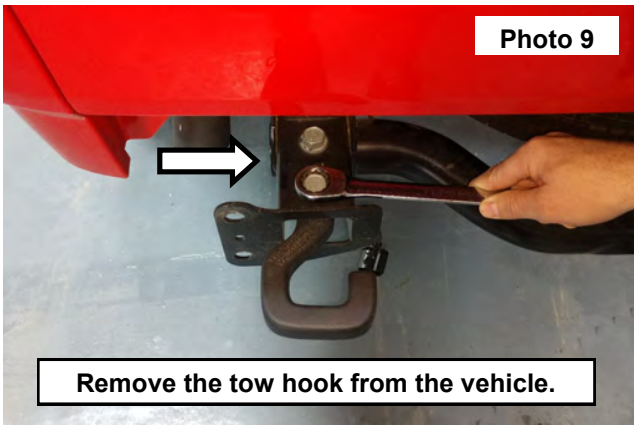


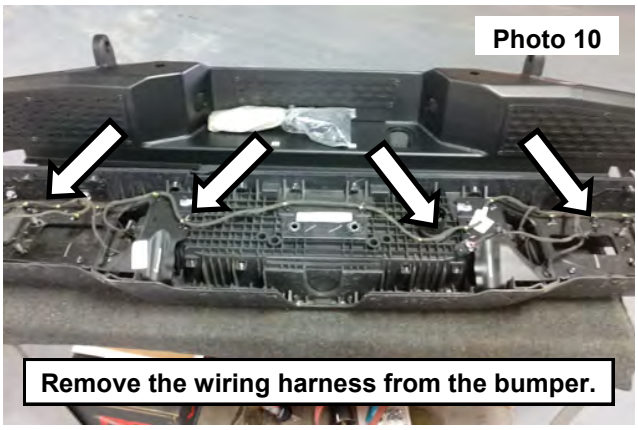
8. Remove the (2) outer frame mount nuts on the passengers side using a 16mm socket. **See Photo 7.**
9. Remove the bumper, Place it in a safe location for continued disassembly. **See Photo 8.**



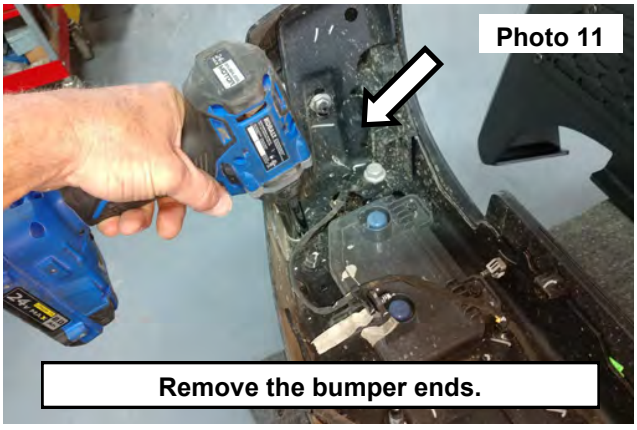


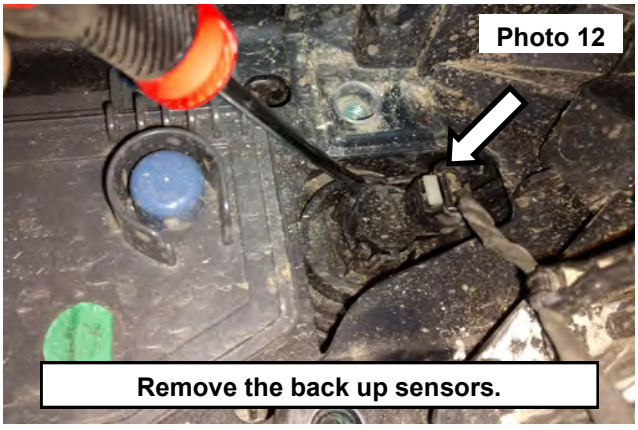
10. Using a 21mm wrench, remove the tow hook from the frame mount. **See Photo 9.**
11. Unclip the wiring harness from the back up sensors and the license plate lights. Then remove the wiring harness from the bumper. **See Photo 10.**



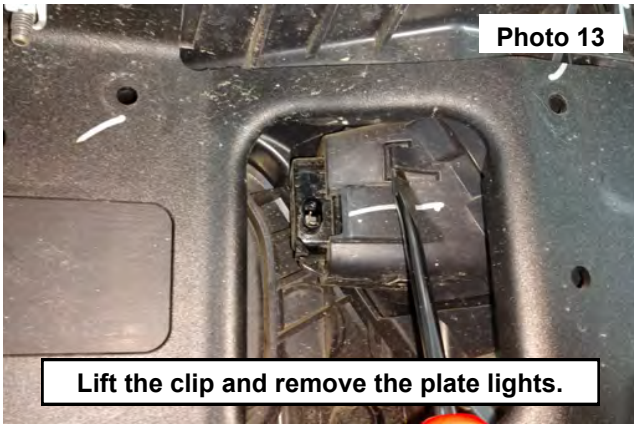


12. Using a 13mm socket remove the (3) nuts on the ends of the bumper. Then remove the metal guard from both sides of the bumper. **See Photo 11.**
13. Using a flat pry tool unclip and remove all back up sensors from the bumper. **See Photo 12.**



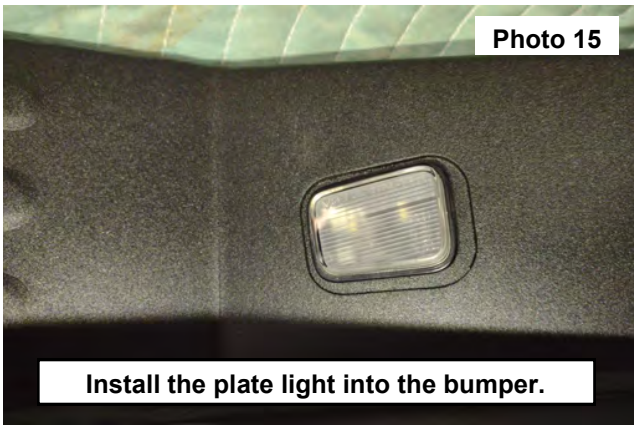


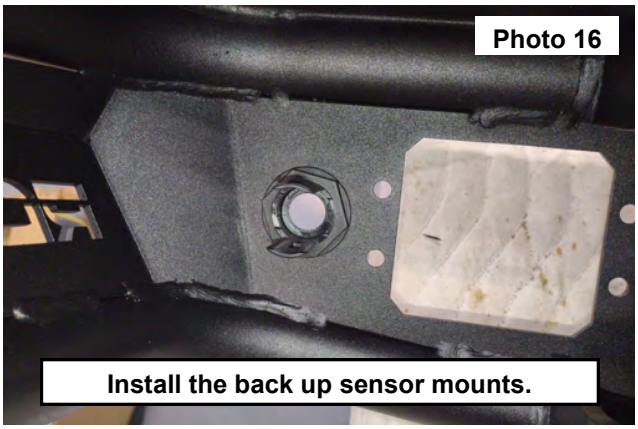
14. Use a flat pry tool to lift the clip and remove the license plate lights on each side of the bumper. **See Photos 13.**
15. Use a flat pry tool to remove the trailer light plug from the bumper. **See Photo 14.**



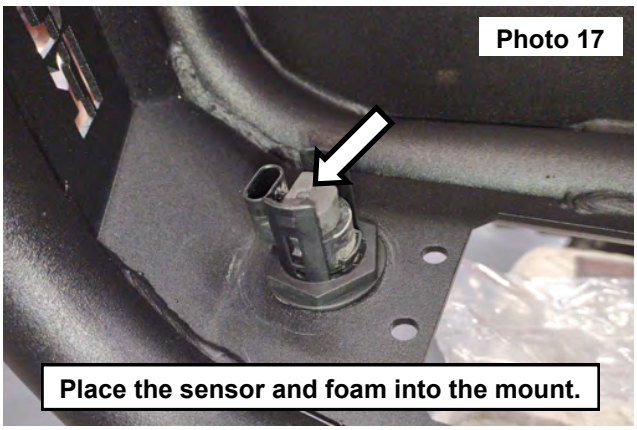


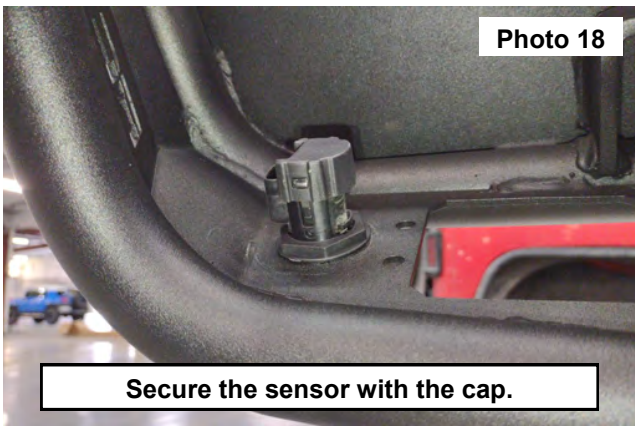
16. Place the (2) OE license plate light into the bumper, seat the light into the bumper to secure. **See Photo 15.**
17. Place the (4) back sensor mounts into the bumper. Hand tighten the nut only. Do not overtighten. **See Photo 16.**





18. Press the sensors into the mount. Then place the foam damper onto the top of the sensor. **See Photo 17.**
19. Secure the sensor by clipping the cap onto the mount. **See Photo 18.**





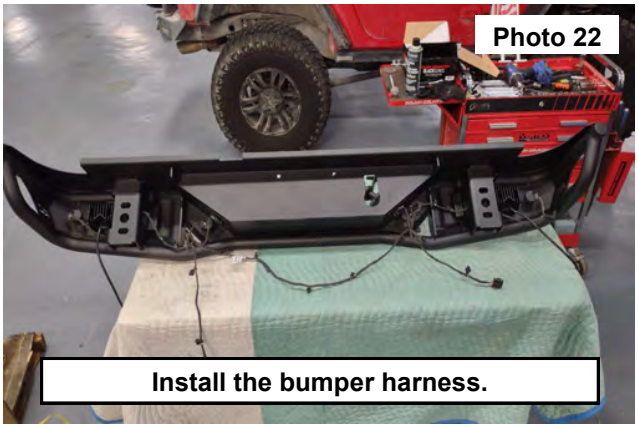
20. Install the 2” flush mount LED lights into the bumper using the supplied hardware in the light kit. **See Photos 19 and 20.**



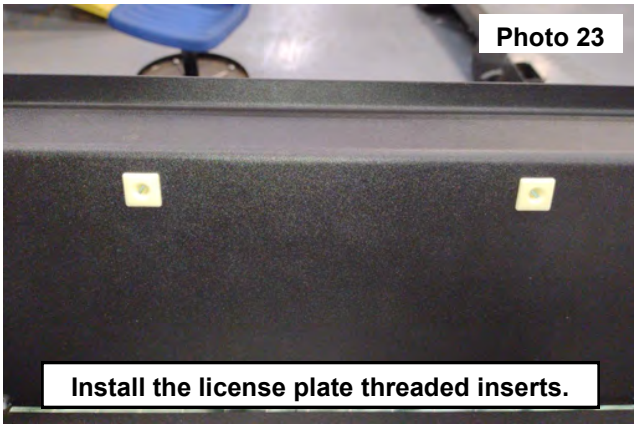


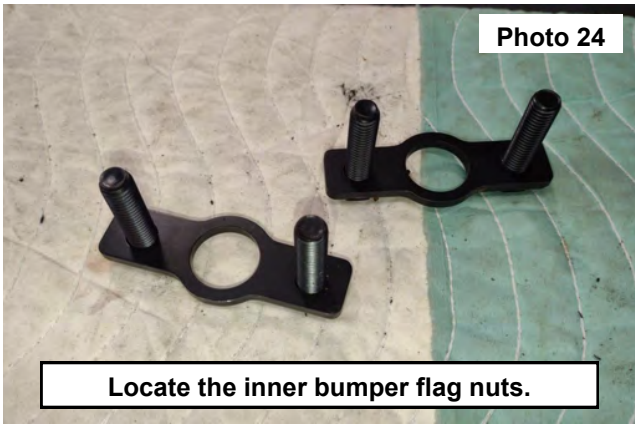
21. Install the trailer light plug into the bumper. Press the plug until both clips seat and secure the plug. **See Photo 21.**
22. Secure the wiring harness to the bumper and connect the sensors, license plate lights and the trailer plug. **See Photo 22.**



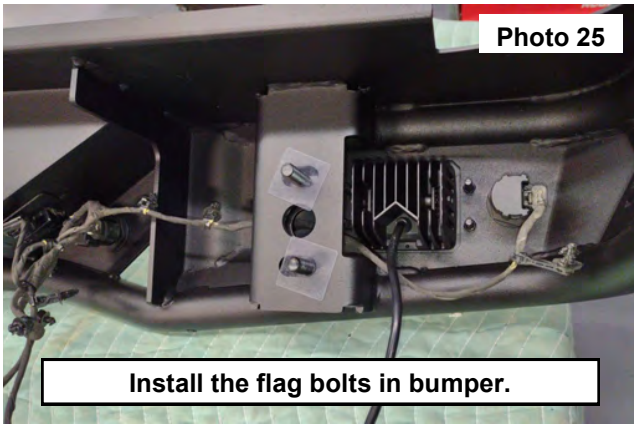


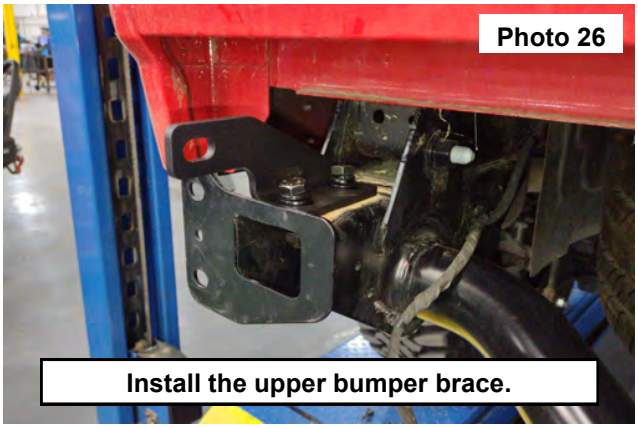
23. Install (2) of the license plate threaded inserts. **See Photo 23.**
24. Locate the inner bumper flag bolts and clear keepers. **See Photo 24.**





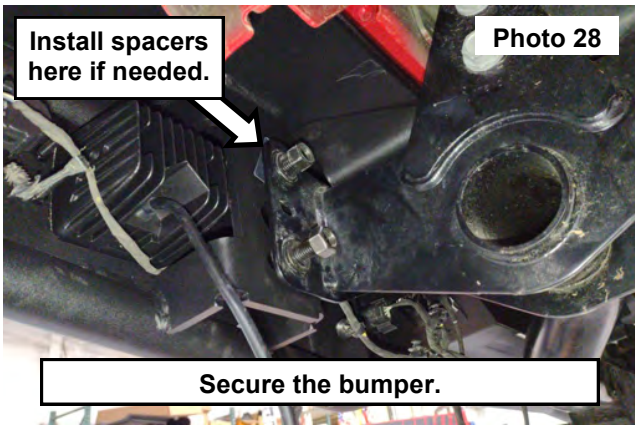
25. Install the flag bolts into the inside of the bumper with the studs out. Secure using the clear retainers on each stud. **See Photo 25.**
26. Install the upper bumper brace using (2) of the supplied 12mm x 40mm hex head bolts (4) 12mm flat washers and (2) nylock nuts. **See Photo 26.** ***Do not tighten at this time.***



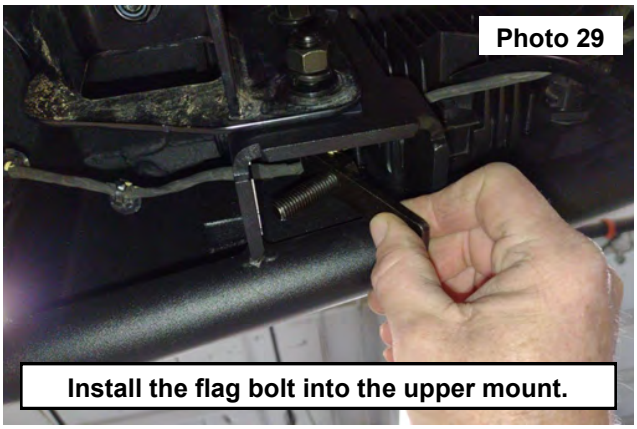


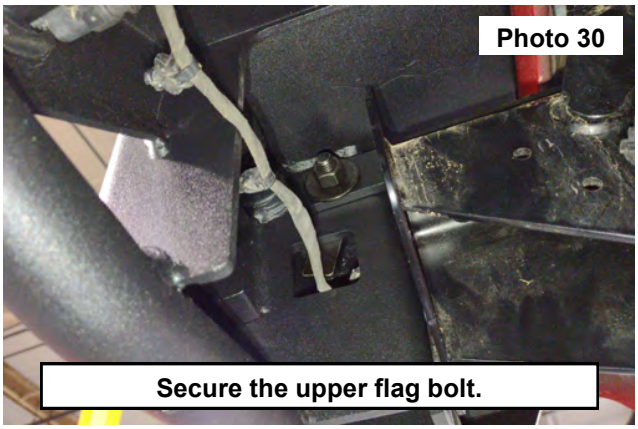
27. Support and Install the bumper onto the vehicle. **See Photo 27.**
28. Secure the bumper using (2) of the supplied 12mm flat washers, 12mm lock washers and 12mm nuts. If needed install the supplied thick spacer washers in-between the bumper and the frame mount. **See Photo 28.**



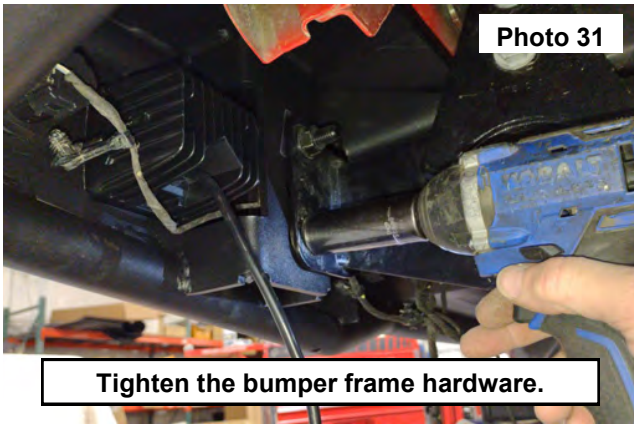


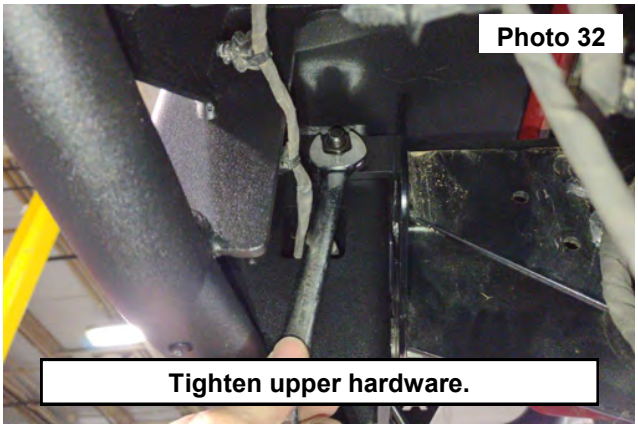
29. Install the supplied flag bolts in the upper bumper brace. Then secure using (1) of the supplied 12mm x 40mm hex head bolts, (1) 12mm flat washers and (1) 12mm nut. **See Photos 29 and 30.**



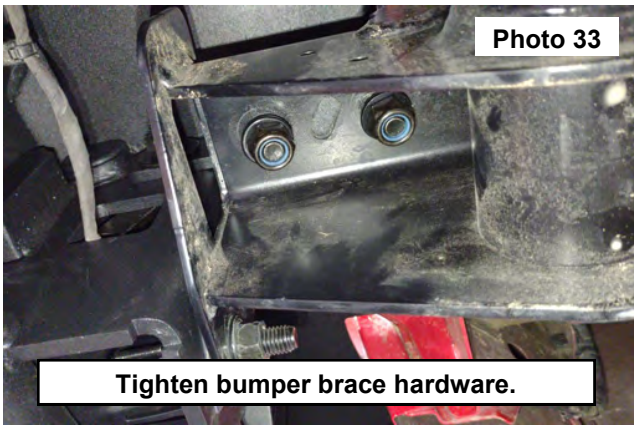


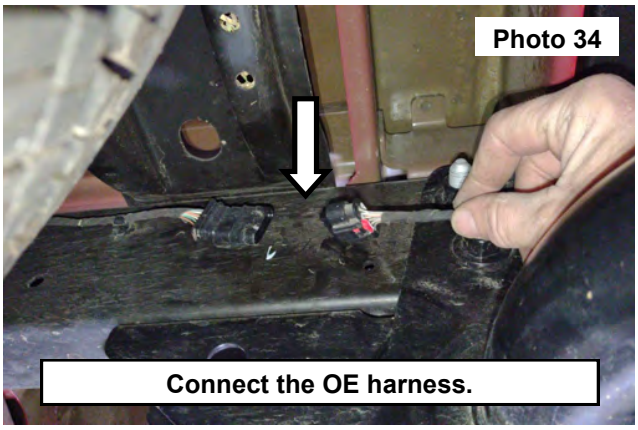
30. Center the bumper to the vehicle. Then tighten the flag bolts to the frame bracket using a 19mm socket. **See Photo 31.**
31. Tighten the upper brace hardware using a 18mm wrench . **See Photos 32 and 33.**



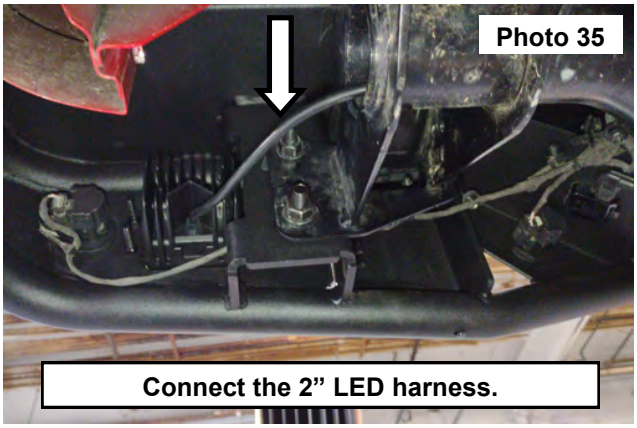


32. Connect the bumpers wiring harness to the vehicle plug. **See Photo 34.**





33. Connect the 2” Flush mount LED light wiring harness to the battery and to each light in the rear bumper. **See Photo 35.**
34. Install the D-rings onto each side of the bumper mounts. **See Photo 36.**





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