Rough Country 51082 Installation Instructions

51082

Part number: 51082

trailfortress.com/rough-country-license-plate-relocation-bracket-51082

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

FORD 2021-22 Bronco License Plate Relocation

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

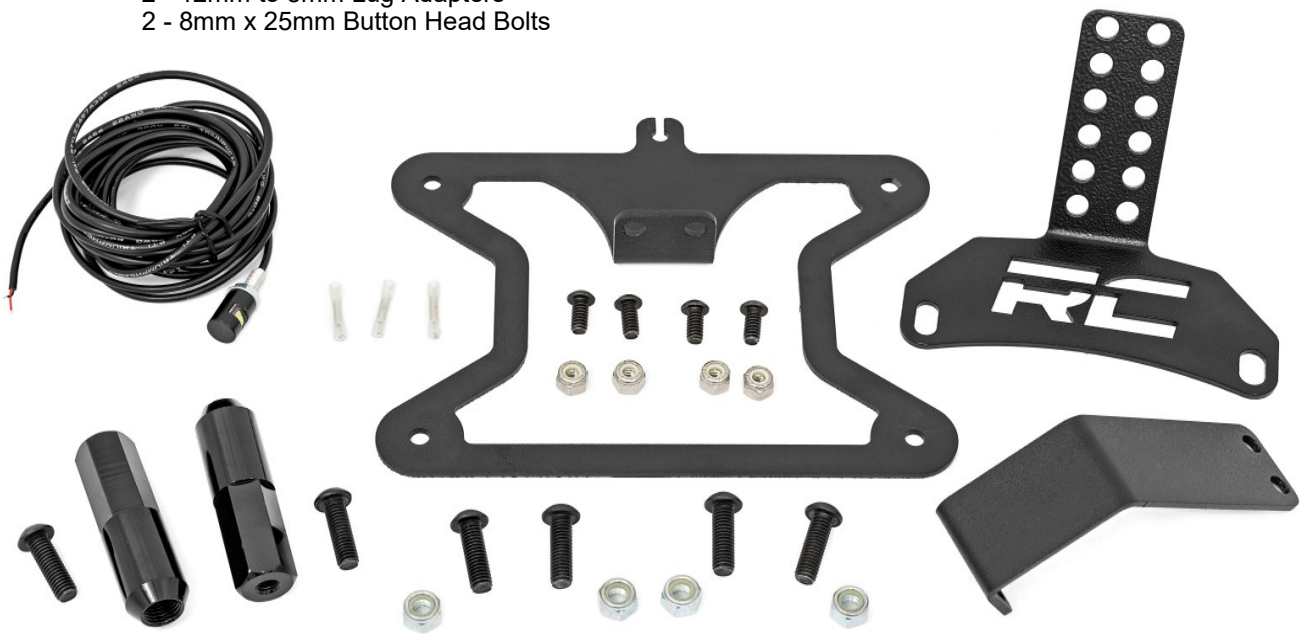
Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

Kit Contents:

- 1 - License Plate Relocation Bracket
- 1 - Adjustment Bracket
- 1 - RC Bracket
- 1 - 51082BAG1
  - 4 - 1/4” x 1/2” Button Head Bolts
  - 4 - 1/4” Lock Nuts
  - 4 - 8mm x 25mm Button Head Bolts
  - 4 - 8mm Lock Nuts
  - 1 - LED License Plate Light
  - 4 - 22-24AWG Butt Connectors
  - 1 - 7ft 22 Gauge Wire
- 1 - 51082BAG2
  - 2 - 12mm to 8mm Lug Adapters
  - 2 - 8mm x 25mm Button Head Bolts

Tools Needed:

Drill
1/2” Drill Bit
5/32” Allen Wrench
5mm Allen Wrench
7/16” Wrench
10mm Wrench
13mm Wrench
Wire Cutters



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

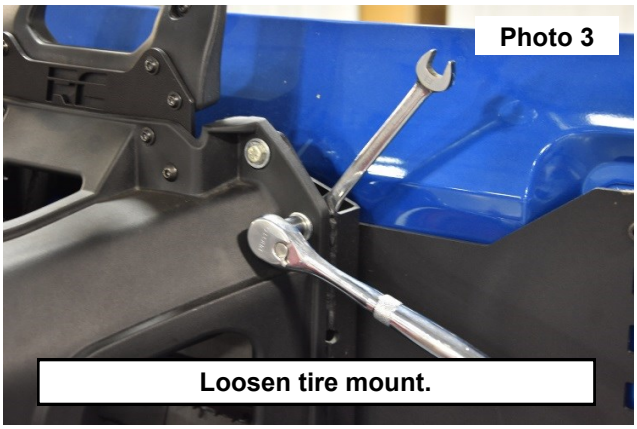
INSTALLATION INSTRUCTIONS

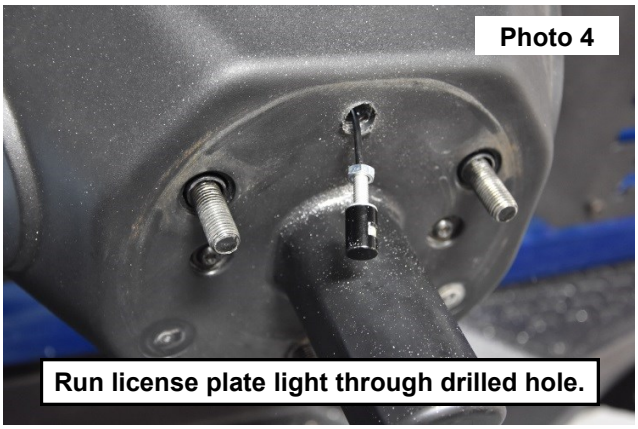
1. Make a mark through the top lug hole in the spare tire to drill later. **See Photo 1**.
2. Remove the spare tire and drill the marked hole using a 1/2” drill bit. **See Photo 2**.



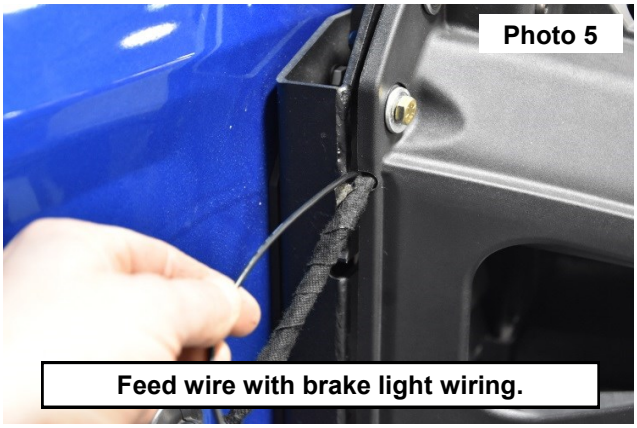


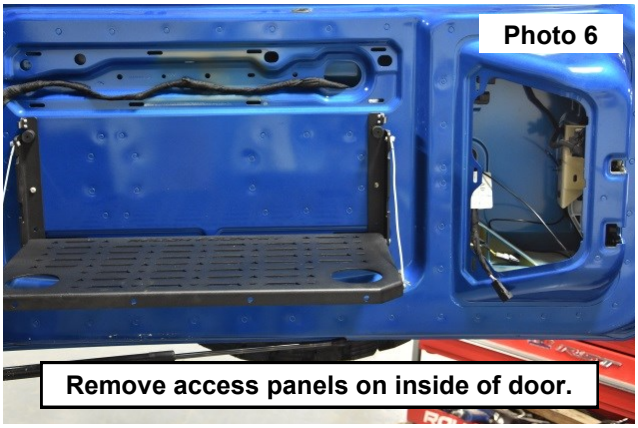
3. Loosen the tire mount using a 13mm socket and wrench so you can feed the license plate light wire behind it. **See Photo 3**.
4. Feed the license plate light through the drilled hole in the tire mount. **See Photo 4**.



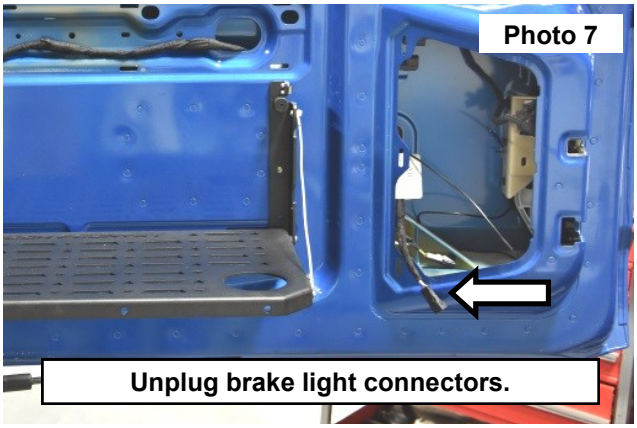


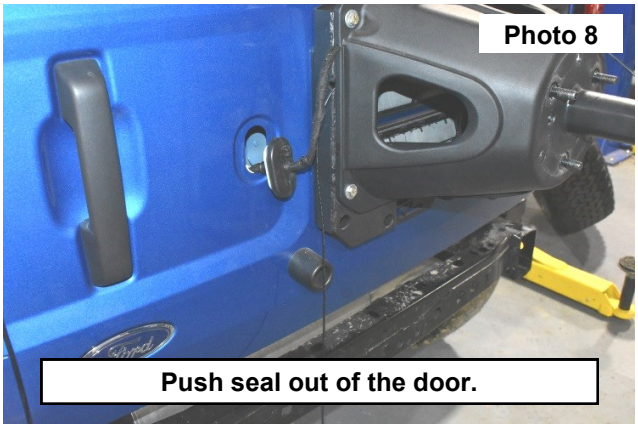
5. Feed the other end of the license plate light wire through the cutout with the factory brake light wiring. **See Photo 5**.
6. Remove the access panels on the inside of the door. **See Photo 6**.



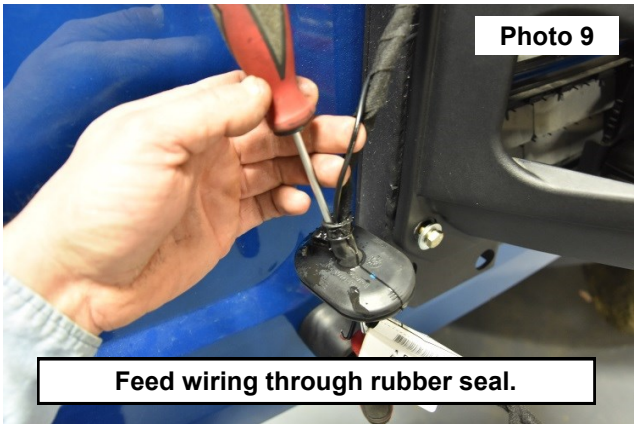


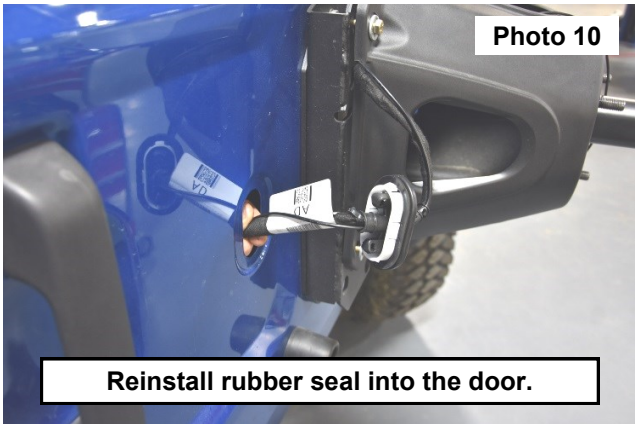
7. Unplug the brake light connectors and push the seal out of the door. **See Photo 7** and **Photo 8**.



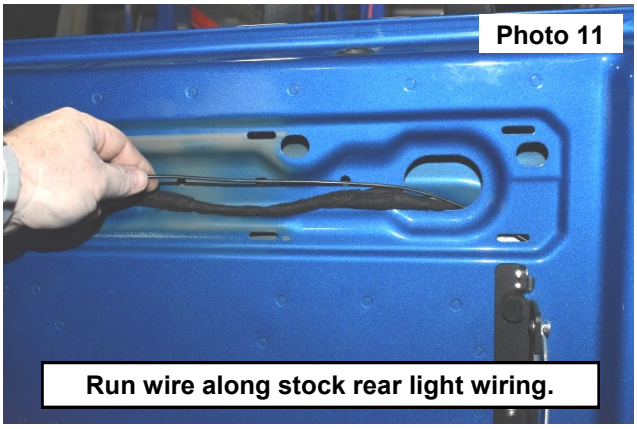


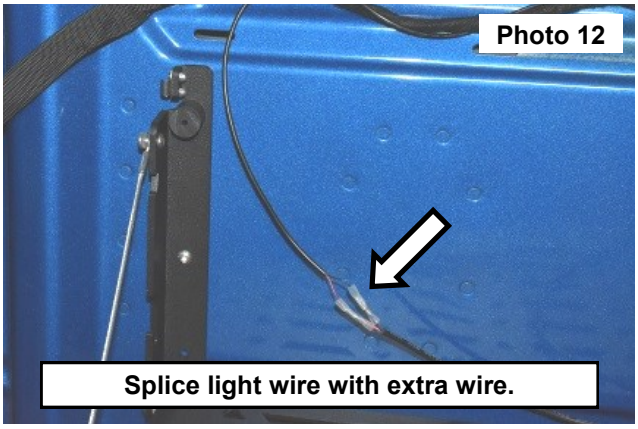
8. Feed the wiring through the rubber seal. **See Photo 9**.
   Be careful no to damage the wire.
9. Reinstall the rubber seal into the door. **See Photo 10**.



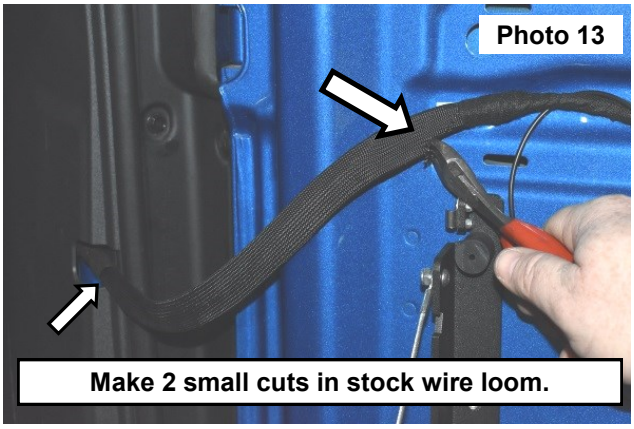


10. Run the wire along with the stock rear light wiring in the door. **See Photo 11**.
11. Splice the light wire with the extra wire using the supplied butt connectors. **See Photo 12**.





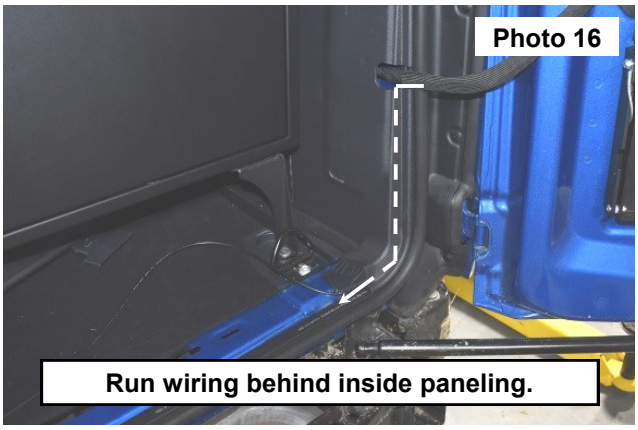
12. Make 2 small cuts in the stock wire loom where the rear access panel ends and where the wiring enters the inside paneling. **See Photo 13**.
    NOTE: Be careful not to cut the wires inside the loom.
13. Run the wire through the cutouts in the stock wire loom. **See Photo 14**.



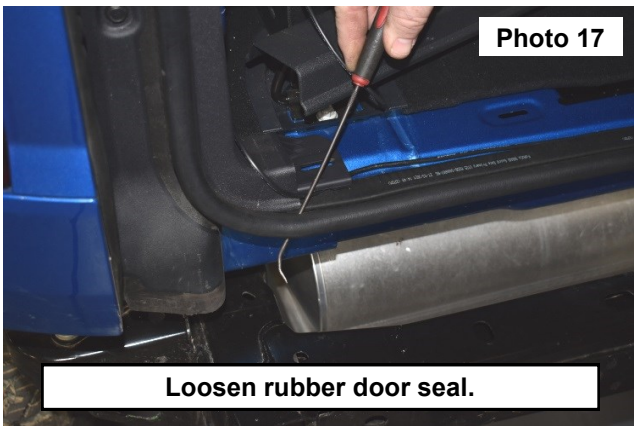


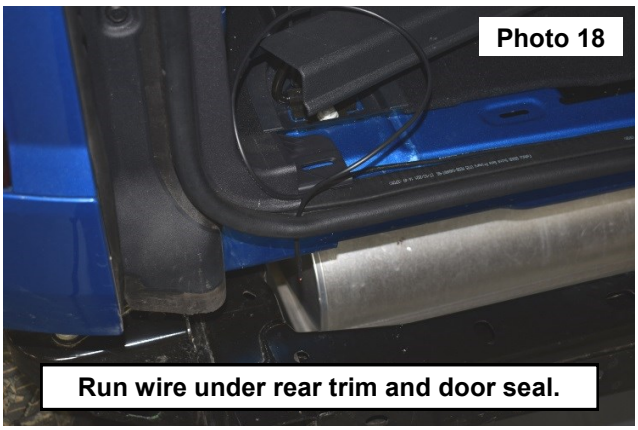
14. Remove the rear lower trim using a flat head or pry tool. **See Photo 15**.
15. Run the wiring behind the inside paneling down to where the rear lower trim was removed. **See Photo 16**.



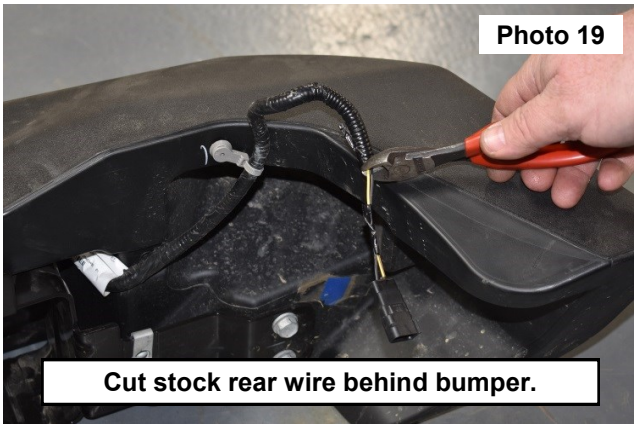


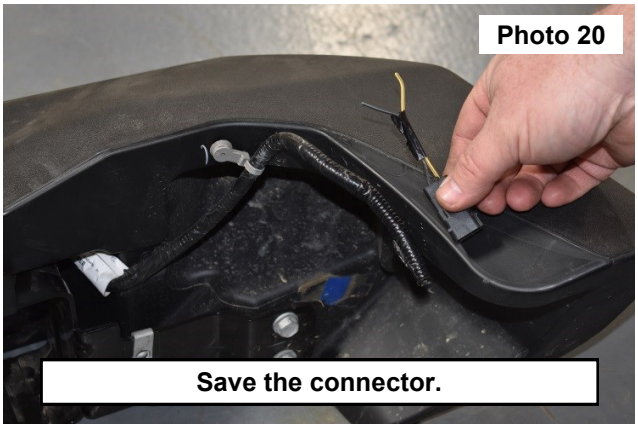
16. Loosen rubber door seal on the lower driver side. **See Photo 17**.
17. Run the wire under the rear trim and door seal. **See Photo 18**.



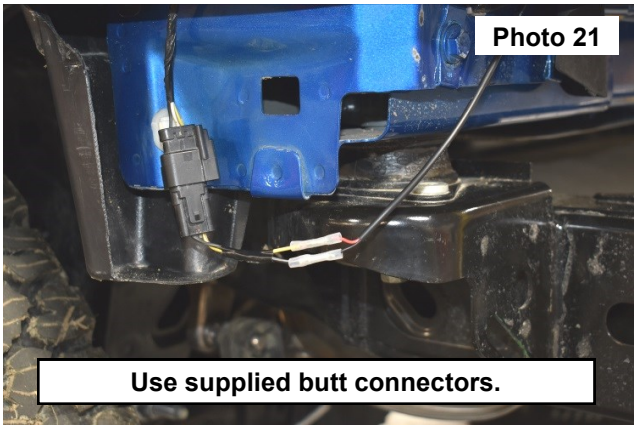


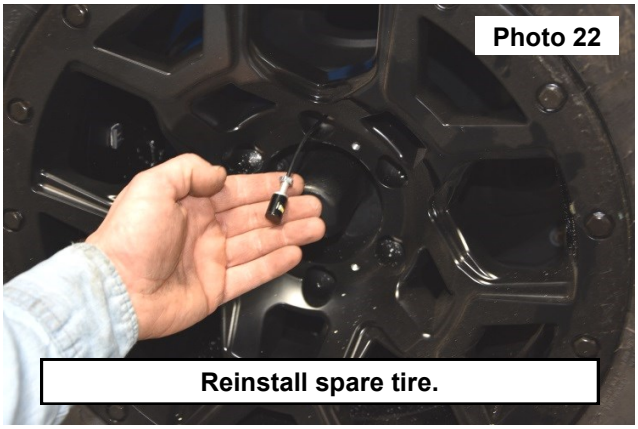
18. Disconnect the rear light plug behind the bumper on the driver side and cut the stock rear wire **a few inches form the connector**. **See Photo 19**.
    NOTE: Bumper was removed for photo purposes but does not have to be removed.
19. Save the connector. **See Photo 20**.



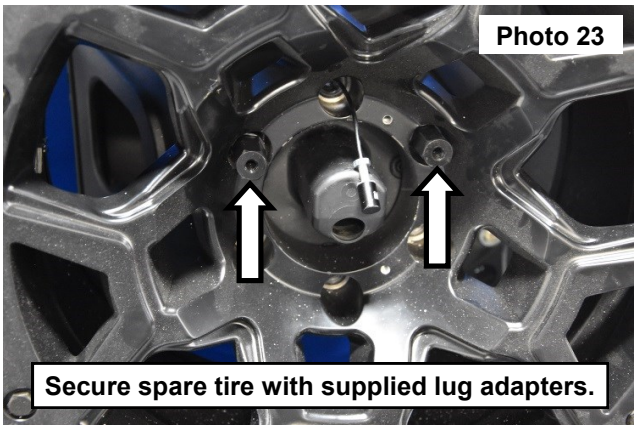


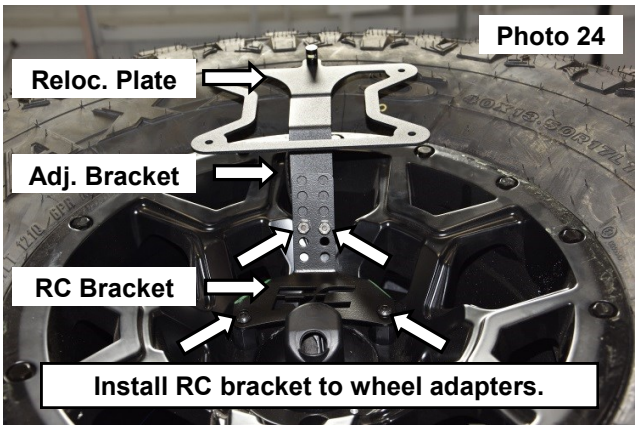
20. Attach the new wire to the stock connector using the supplied butt connectors. **See Photo 21**.
21. Reinstall rear trim and access panels in the door.
22. Reinstall the spare tire and run the light through top lug hole in the spare tire. **See Photo 22**.



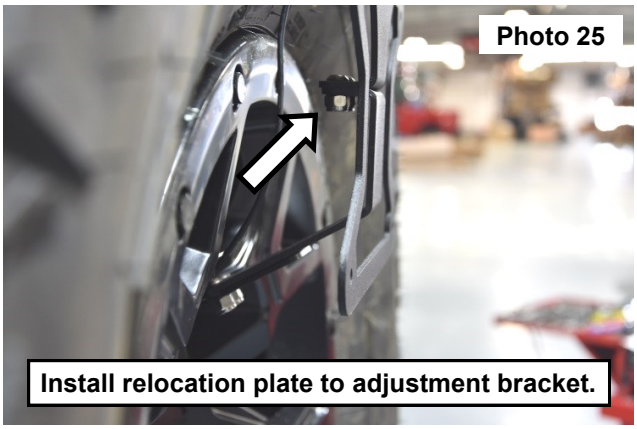


23. Secure the spare tire using the supplied lug adapters. **See Photo 23**.
24. Install the bracket with the RC cutout to the lug adapters with 2 of the supplied 8mm x 25mm button head bolts using a 5mm Allen wrench. Then install the adjustment bracket to the RC bracket with 2 more of the 8mm x 25mm bolts and 2 lock nuts using a 5mm Allen wrench and 13mm socket/wrench. **See Photo 24**.



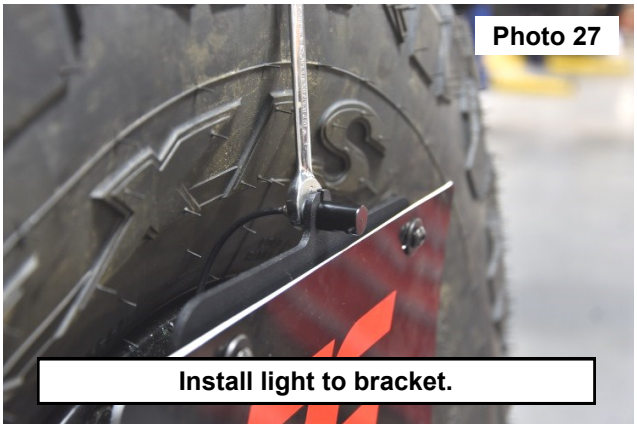


25. Install the relocation plate to the adjustment bracket using 2 more 8mm x 25mm bolts and lock nuts. **See Photo 25**.
26. Install the license plate with the supplied 1/4” x 1/2” bolts and lock nuts using a 7/16” wrench and 5/32” Allen wrench. **See Photo 26**.





27. Install the license plate light to the bracket using a 10mm wrench. **See Photo 27**.



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