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Rough Country 10806A Installation Instructions

Front Bumper with LED Cubes for Ram 2500 (2019-2025)

Part number: 10806A

trailfortress.com/led-front-bumper-ram-2500-and-3500-rough-country-10806a

Scan for fitment, price and install help

921080600

ROUGH COUNTRY
SUSPENSION SYSTEMS®

RAM 2019-24 2500/3500 Front 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:
Front Bumper x1
Frame Bumper Brackets x2
Driver Side (L) Light Bracket x1
Pass Side (L) Light Bracket x1
License Plate Bracket x1
License Plate Plugs x2
Sensor Retaining Caps x6
Foam Sensor Spacers x6
Foam Seals x6
Sensor Plugs x6
Wiring Harness Extension x2
Sensor Cover Kit x1
20" LED Light Kit x1

HARDWARE INCLUDED:
10mm x 35mm Hex Head Bolts x8
10mm Flat Washers x16
10mm Nylock Nuts x8
8mm x 25mm Hex Bolts x4
8mm x 16mm Hex Bolts x2
8mm Lock Washers x6
8mm Flat Washers x10
8mm Hex Nuts x4
6mm x20mm Button Allen Bolts x2
6mm Flat Washers x4
6mm Nylock Nuts x2
4mm Self Tapping Screws x12

HARDWARE INCLUDED:
10806BOX2
Skid Plate Brackets x2
5mm Allen Wrench
8mm Lock Washers x6
8mm Flat Washers x8
8mm x 25mm Button Head Bolts x6
8mm Hex Nuts x2

TOOLS NEEDED:
10mm Wrench or Socket
13mm Wrench and Socket
17mm Wrench or Socket
18mm Wrench or Socket
21mm Wrench or Socket
Air Saw or Razor Knife



Torque Specs:

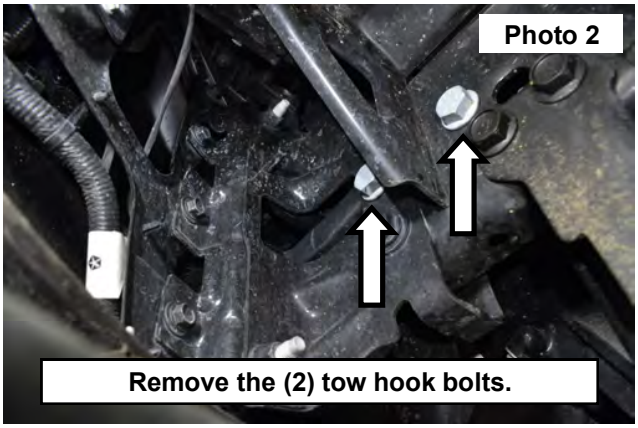
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs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

RC ROUGH COUNTRY

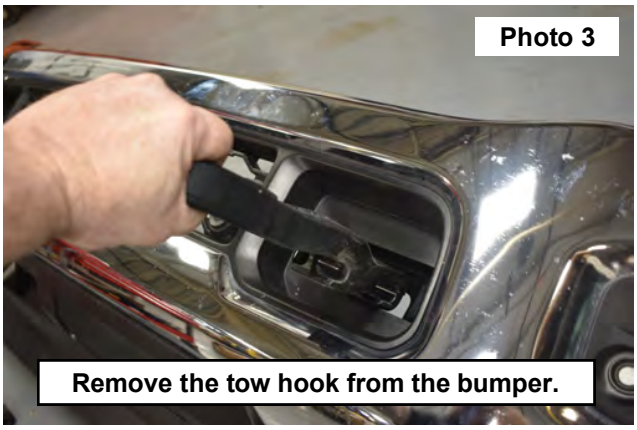
INSTALLATION INSTRUCTONS

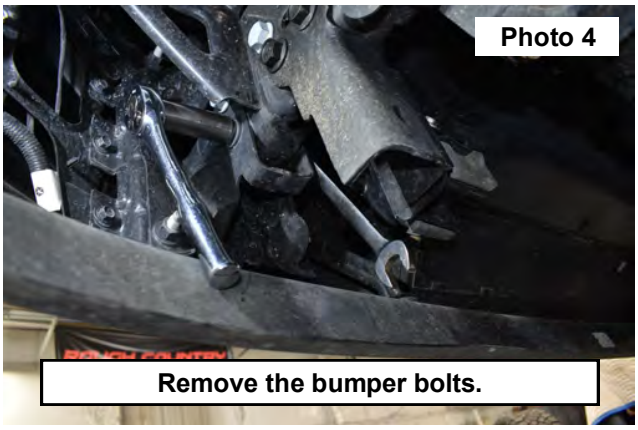
1. Disconnect the bumper harness from the vehicle. **See Photo 1.**
2. Support the bumper. Do not get under the vehicle with out the bumper supported.
3. Remove the (2) bolts securing the tow hook into the frame on each side of the vehicle using a 21mm socket and wrench. **See Photo 2.**



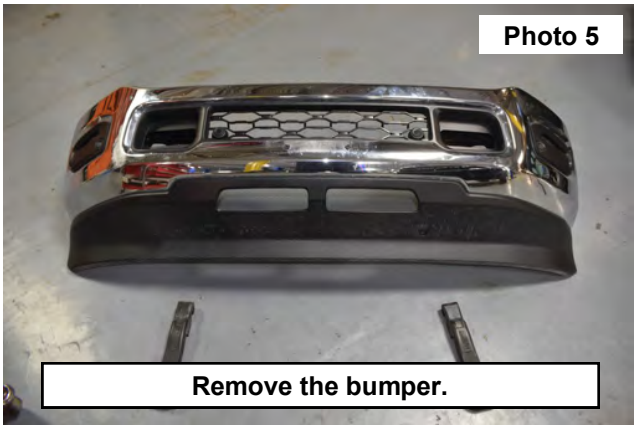


4. Remove the tow hook from the bumper on each side of the vehicle. **See Photo 3.**
5. Remove the (2) nuts and bolts from the bumper on each side of the frame using a 21mm socket and wrench. **See Photo 4.**





6. Remove the bumper from the vehicle. **See Photo 5.**
7. Disconnect the fog light. Then remove the (4) bolts from the housing using a 10mm socket and remove the fog light. **See Photo 6.**





8. Disconnect the wiring harness from the sensors. **See Photo 7.**
9. Remove the wiring harness from the bumper. **See Photo 8.**





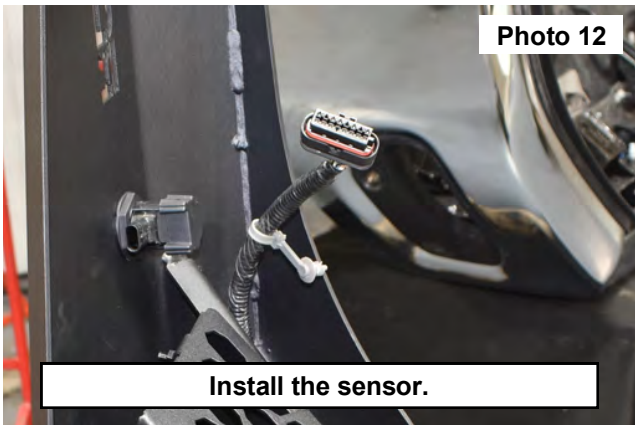
10. Release the sensor from the clips and remove the (6) sensors from the front bumper. **See Photo 9.**
11. Locate the sensor installation hardware. **See Photo 10.**



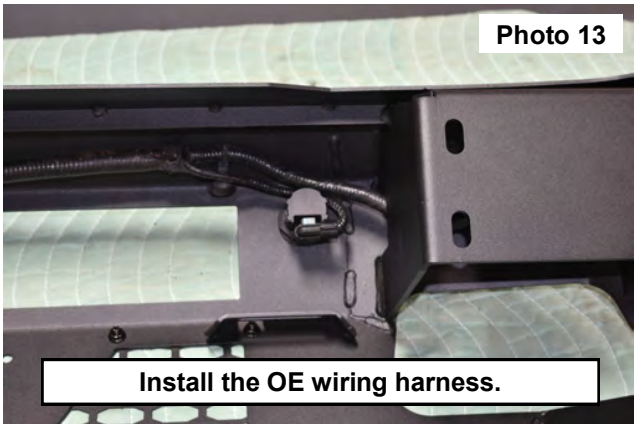


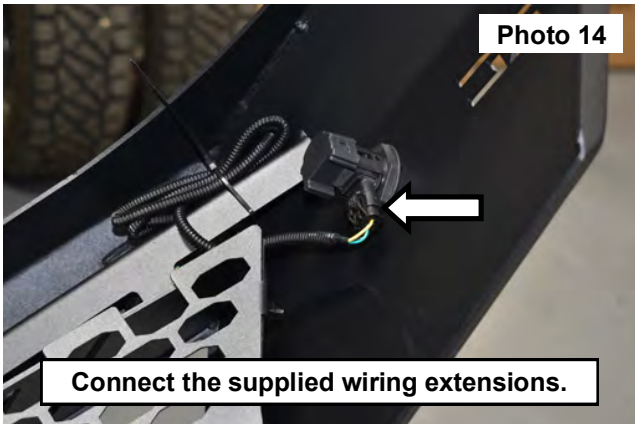
12. Place the sensor mount in to the outside of the bumper. Then secure using the retaining nut. **See Photo 11.**
13. Place the sensor into the mount with the foam pad on top of the sensor. Then secure using the sensor cover, clipping it in top place. **See Photo 12.**
14. Repeat steps 12-13 for the remainder of the sensors installing them into the bumper.



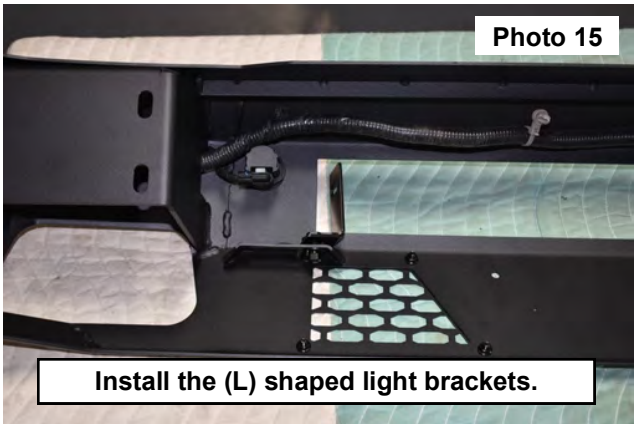


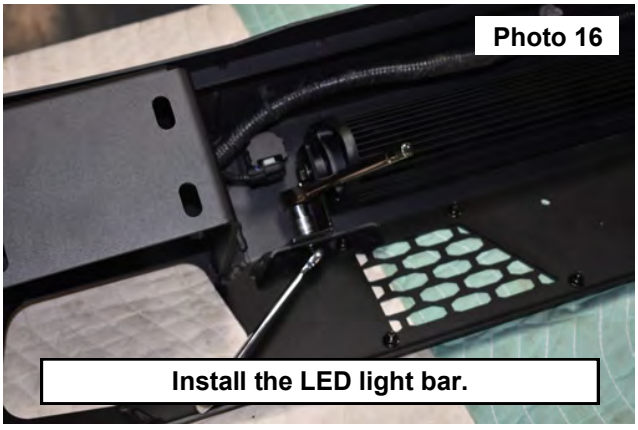
15. Install the OE wiring harness onto the bumper connecting the center (4) sensors. Secure with the supplied cable ties. **See Photo 13.**
16. Connect the supplied wiring extensions to the outer bumper sensors and to the OE harness. **See Photo 14.**



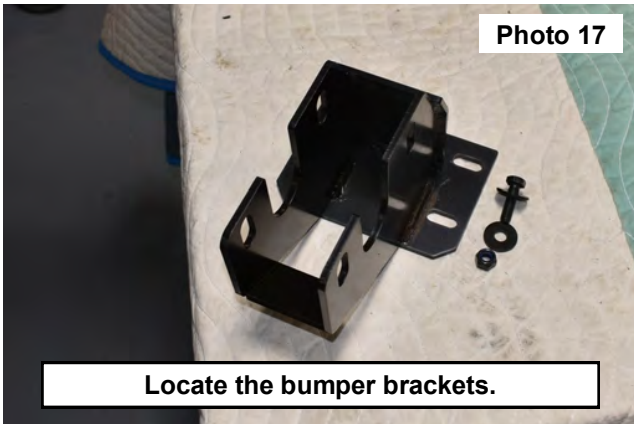


17. Install the (L) shaped light brackets on each side of the bumper using (1) of the supplied 8mm x 25mm hex head bolt, (2) 8mm flat washers and (1) 8mm lock washer and (1) 8mm hex nut. **See Photo 15.**
18. Install the LED light in-between the (L) shaped brackets using (1) of the supplied 8mm x 16mm hex head bolt, (1) 8mm flat washer and (1) 8mm lock washer to secure on each side of the light. **See Photo 16.**
19. Tighten all light bar hardware using a 13mm socket and wrench.





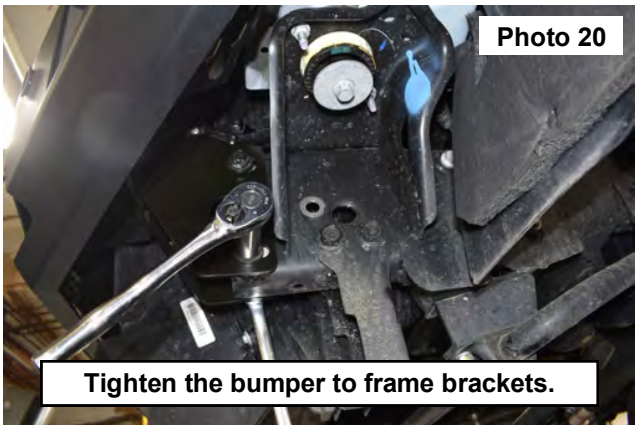
20. Locate the bumper brackets and install (1) on each side of the bumper. Secure the bracket to the bumper using (4) 10mm x 35mm hex head bolts (8) flat washers and (4) nylock nuts. Snug the hardware using a 17mm socket and wrench so that both brackets still move side to side when mounting onto the frame ends. **See Photos 17 and 18.**



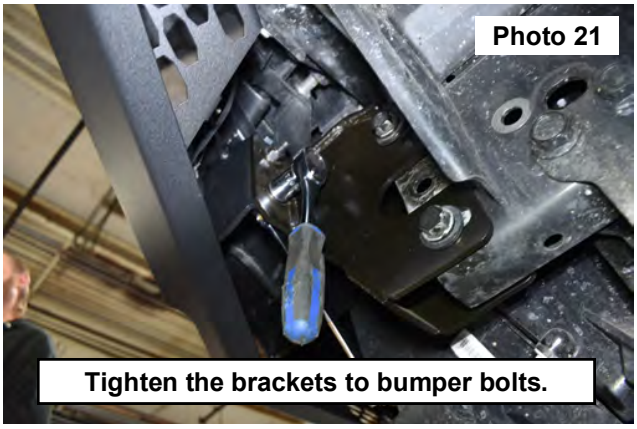


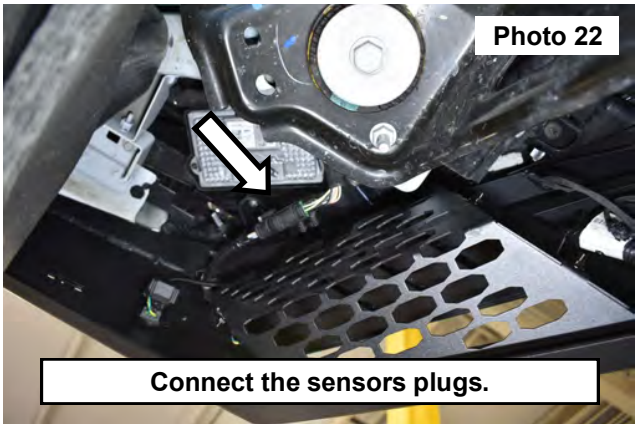
21. Support the bumper and place the bumper onto the vehicle, mounting the bumper brackets onto the frame ends. **See Photo 19.**
22. Secure the bumper brackets to the frame ends using the OE hardware. Place the (2) bolts on each side into the aligned holes in the bumper bracket and frame end. Set the depth of the bumper front to back and tighten using a 21mm socket and wrench. **See Photo 20.**



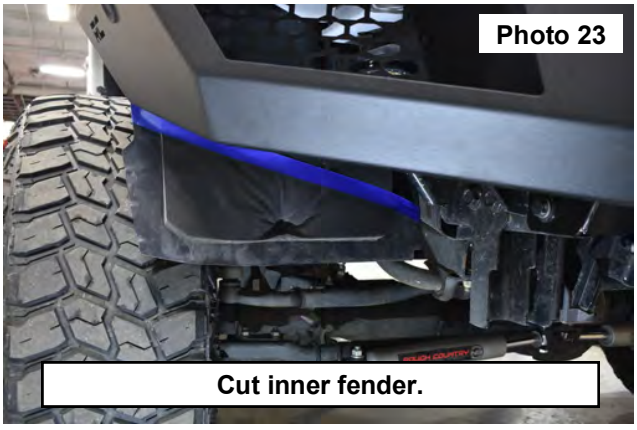


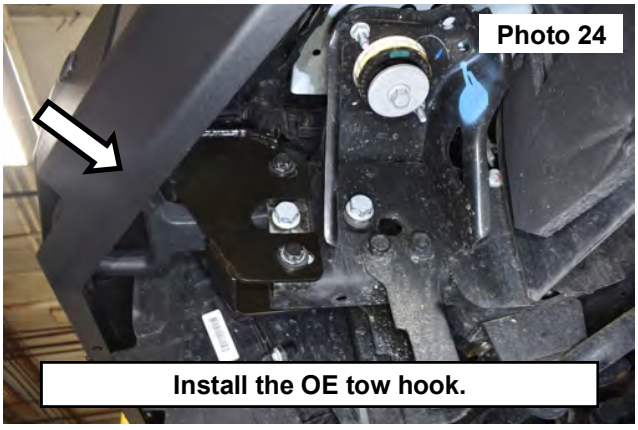
23. Center the bumper to the vehicle and tighten the brackets to bumper bolts using a 17mm socket and wrench. **See Photo 21.**



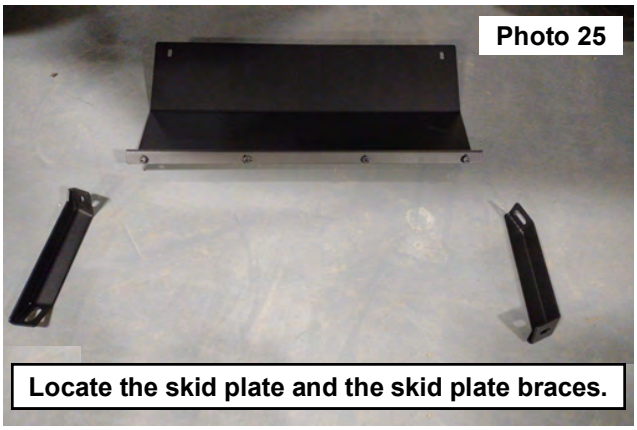


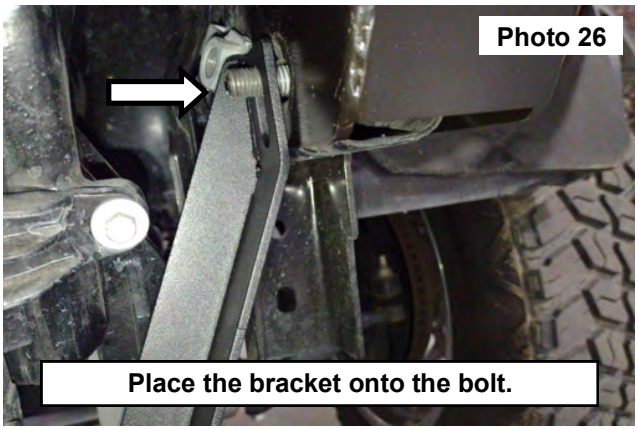
24. Connect the sensors bumper plug to the vehicle harness. **See Photo 22.**
25. Install the LED light bar wiring harness using the corresponding instruction sheet.
26. Mark the front inner fender just above the bumper line and trim off using a air saw or razor knife on each side of the bumper. **See Photo 23.**
27. Install the tow hooks into the frame rail through the bumper. Secure using the OE bolts and nuts. Tighten using a 21mm socket and wrench. **See Photo 24.**



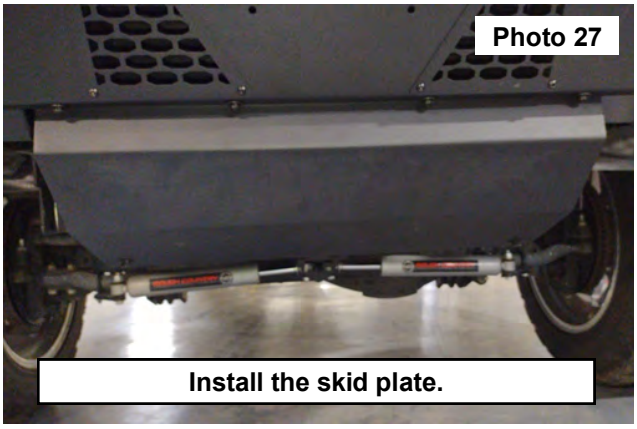


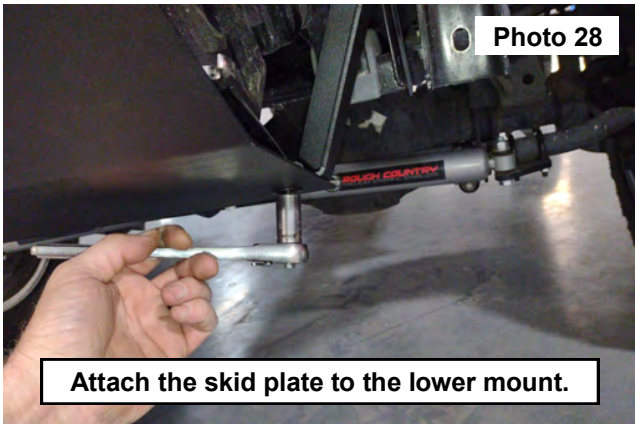
28. Locate the skid plate and the skid plate braces. **See Photo 25.**
29. Remove the nut from the inner frame mount bolt on each side and place the bracket on the frame using an 18mm socket and wrench. Secure using the OE nut. Do not tighten at this time. **See Photo 26.**





30. Place the skid plate onto the bottom of the bumper, secure using (4) 8mm button head bolts and (4) 8mm flat washers. Tighten using a 5mm allen wrench. **See Photo 27.**
31. Place the rear of the skid plate onto the braces. Secure the skid plate using (1) 8mm button head bolts and (2) 8mm flat washers and (2) 8mm nylock nuts on each brace. Tighten using a 5mm allen wrench and a 13mm socket. **See Photo 28. IMPORTANT NOTE: It might be necessary to trim the intercooler shroud or totally remove it to allow adequate space for the skid plate to be installed. See Photo 29.**





32. Tighten the upper skid plate brace using an 18mm socket and wrench. **See Photo 30.**
33. Install the (2) license plate plugs and bracket if required using the supplied 6mm Hardware.

