Rough Country 72005 Installation Instructions

72005

Part number: 72005

trailfortress.com/rough-country-hybrid-front-bumper-72005

Scan for fitment, price and install help

ROUGH COUNTRY
SUSPENSION SYSTEMS®

22 - Up Toyota Tundra Hybrid Front Bumper

Thank you for choosing Rough Country for all of your suspension 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. Check and retighten wheels at 50 miles and again at 500 miles. 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.

NOTICE TO DEALER AND VEHICLE OWNER

⚠WARNING Any vehicle equipped with any Rough country product must have the "Warning to Driver" decal installed on the sun visor or dash. The decal is to act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics. INSTALLING DEALER—It is your responsibility to install the warning decal and to forward these installation instructions on too the vehicle owner for review and to be kept in the vehicle for its service life.



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22 - Up Toyota Tundra Hybrid Front Bumper

TOOLS NEEDED:
Jack
Diagonal Cutter
1/2” Wide Painters Tape
Body Saw
Sander
Utility Knife
Pry Tool
Metric Wrench/Socket
10mm
17mm
18mm
19mm

KIT CONTENTS:
Front Bumper
20” Light Bar Block Off Grill
6” Light Bar Block Off Panels (2)
Fairlead Block Off Grill
Nut Plate (2)
Winch Tray
Edge Trim
3/4” Smoked Amber LED (2)
Sensor Plate (6)

HARDWARE INCLUDED:
6mm Button Head Bolt (8)
6mm Bolt (4)
6mm Washer (12)
6mm Nut (8)
8mm Bolt (2)
8mm Washer (2)
8mm Nut (2)
12mm Button Head Bolt (2)
12mm Bolt (12)
12mm Washer (12)
12mm Flange Nut (4)



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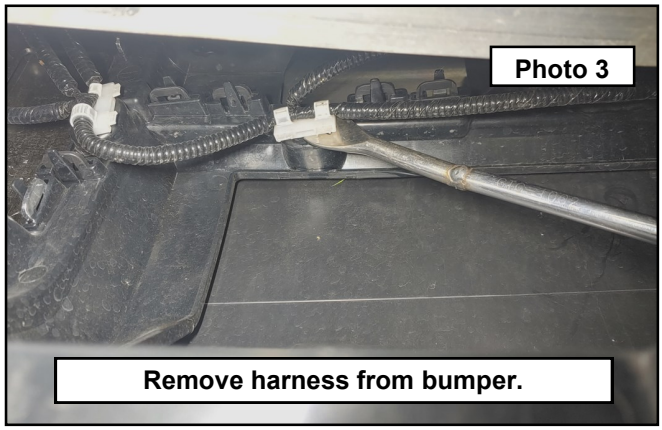
Front Bumper Installation

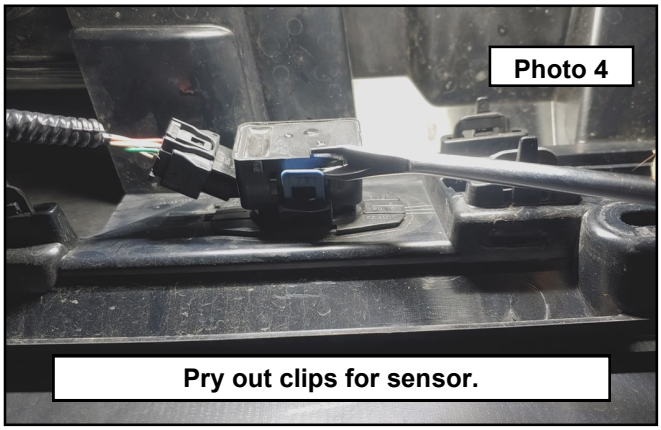
1. Park your vehicle on a clean flat surface, engage the parking brake and block the rear tires.
2. **Save all hardware removed from the vehicle unless otherwise noted.**
3. Open the hood and disconnect the negative terminal on the battery.
4. Under the truck, remove the inner fender line from the bumper cover using a 10mm wrench. **Photo1**
5. Remove the bumper cover supports from the aluminum bumper structure brackets using a 10mm wrench. **Photo 2**



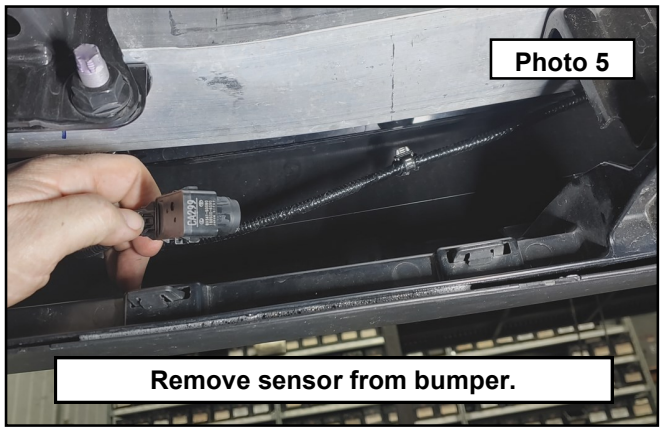


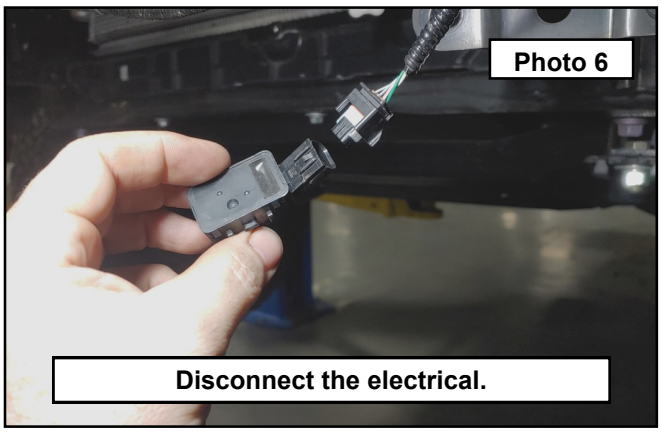
6. Locate the wire harness that runs across the bumper cover and remove the mounting clips using a pry tool. **Photo 3**
7. Parking sensor equipped vehicles: Remove the sensor from the bumper cover by prying out on the clips that lock it into place and pulling away from the bumper cover. **Photo 4**





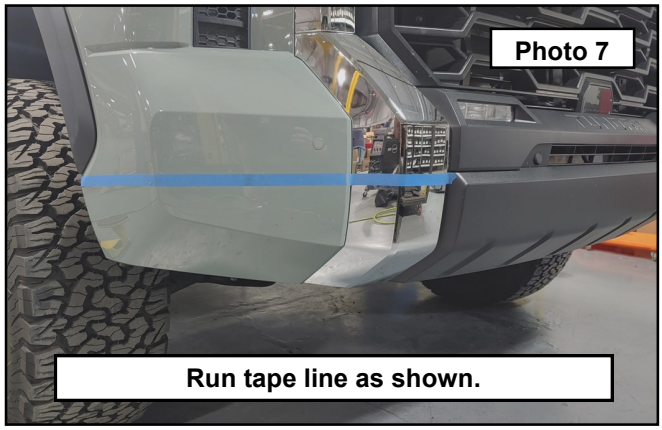
8. Remove the sensor from the bumper cover. **Photo 5**
9. Disconnect the parking sensor from the harness by pressing in the locking tab and pulling away from the harness. **Photo 6**

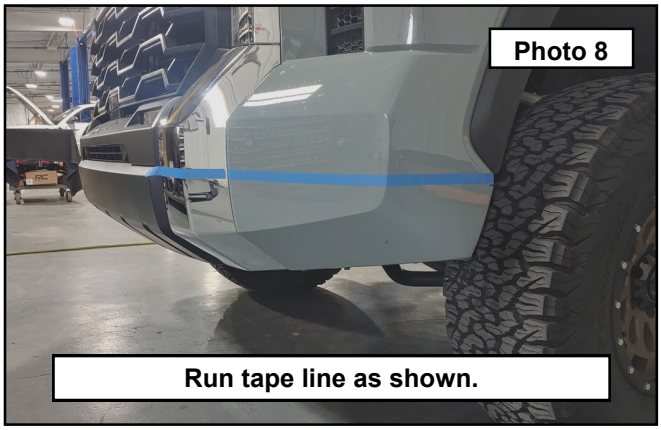




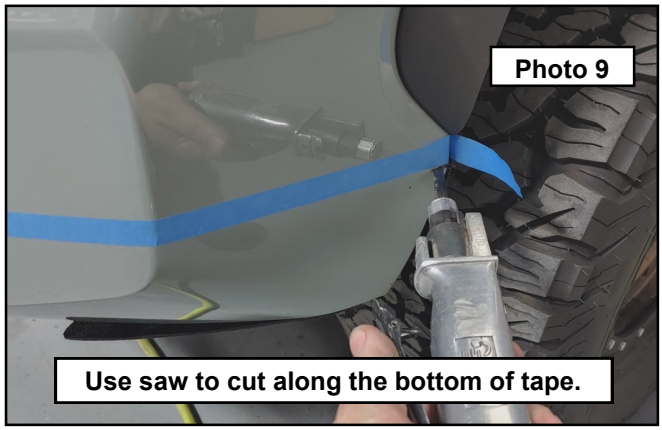
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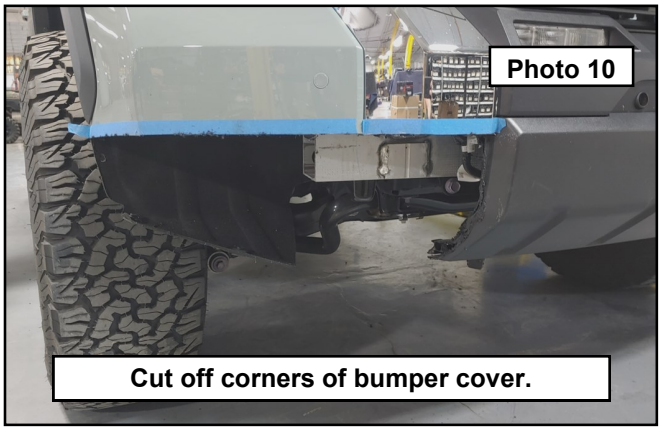
10. Pull the harness towards the engine bay to protect it from the following steps. Take your 1/2” painters tape and pull a straight edge from the fender flare point to the center of the bumper cover as shown. The bottom edge makes your cut line. When cutting try to stay as straight as possible but if you are off a little bit it will not hurt. The 1/2” tape allows the cut edge of the bumper cover to be below the fabricated bumper when finished to hide the cut line. **Photo 7 / 8**



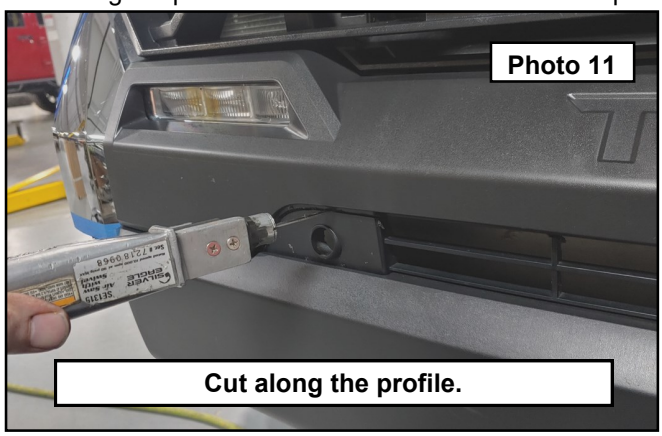


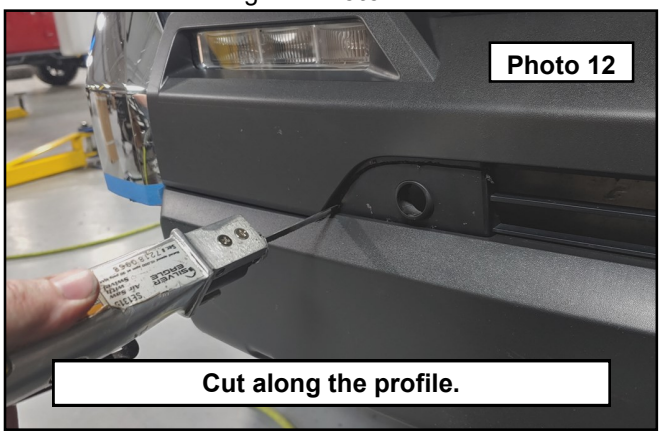
11. Use an appropriate cutting tool to cut along the bottom of the tape line all the way to the middle section of the bumper cover. **Photo 9**
12. Once you reach the center section, cut vertically along the edge to remove the corner pieces. **Photo 10**





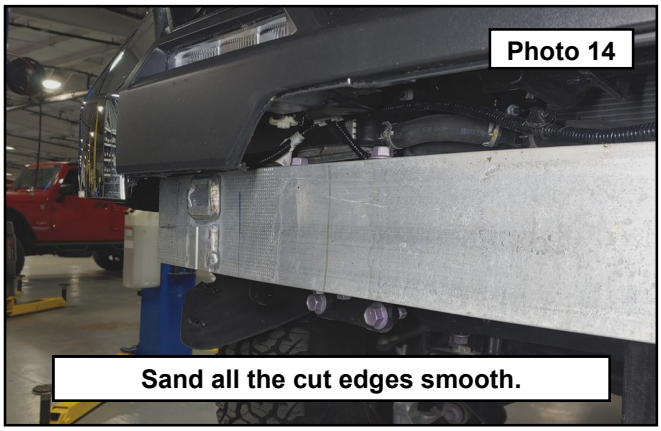
13. Look at the center section of the bumper cover and you will see the edge where the top section meets the lower section. The upper section clips to the lower section through a channel. You need to keep this channel, so when cutting stay below this edge. Start at the center of the bumper cover, cut off all of the ribs attaching the middle grill. Cut along the profile of the center section of the bumper cover in the corners and straights. **Photo 11 / 12**



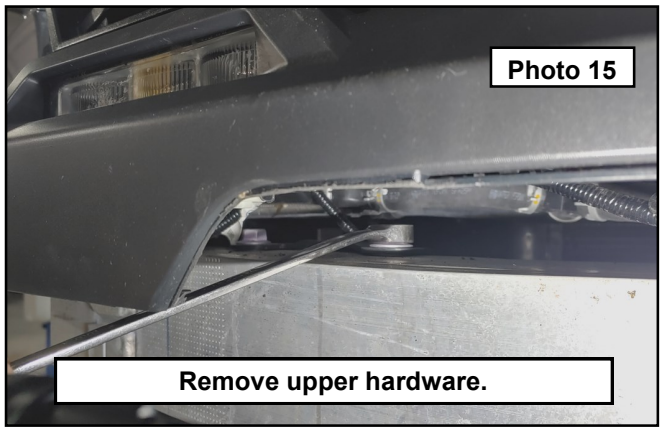


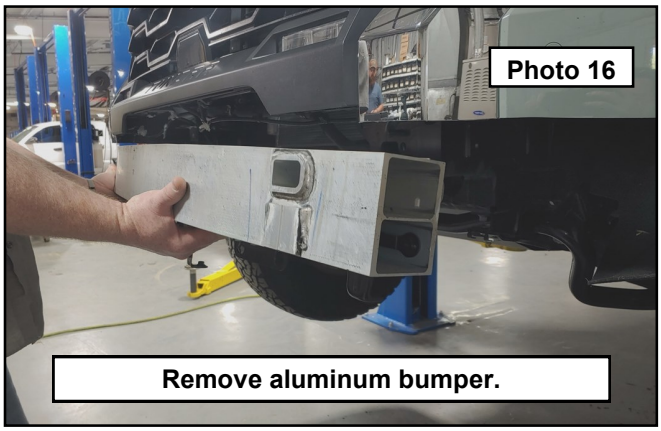
14. Remove the cut section of the bumper cover to reveal the aluminum bumper structure and discard. Sand all the cut edges smooth. **Photo 13 / 14**



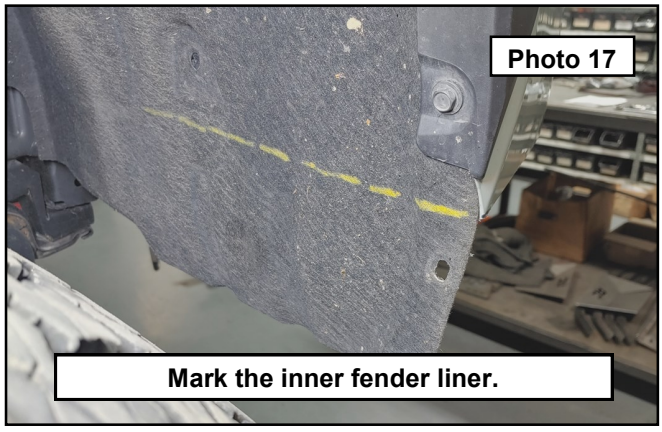


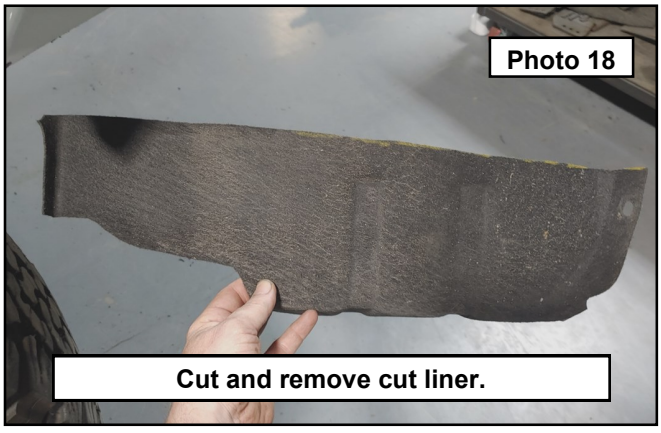
15. Remove the aluminum bumper structure from the frame rails using a 17mm wrench. There are 4 bolts that come in from the top of the frame. There are 4 bolts coming in from the front of the bumper. **Photo 15**
16. Remove the aluminum bumper structure from the vehicle and discard. **Photo 16**



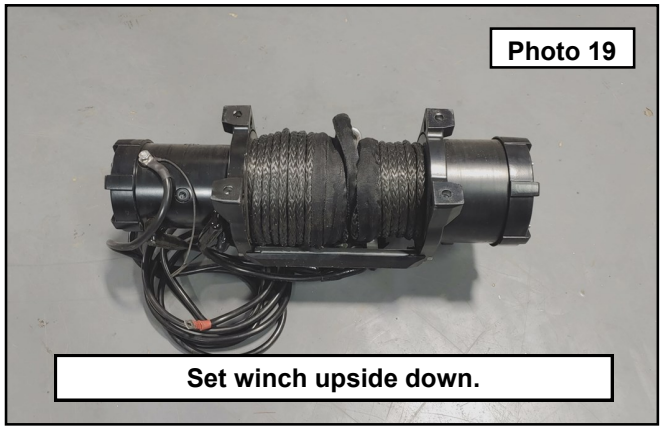


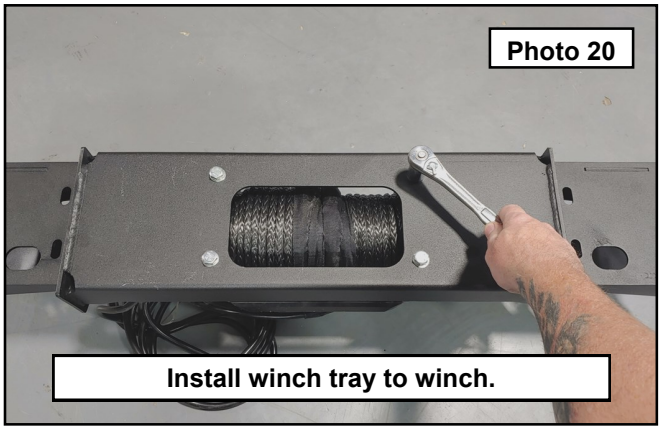
17. At the cut line on the fender, draw a straight line across the inner fender. **Photo 17**
18. Use a utility knife to cut along this line and remove the cut section and discard. **Photo 18**



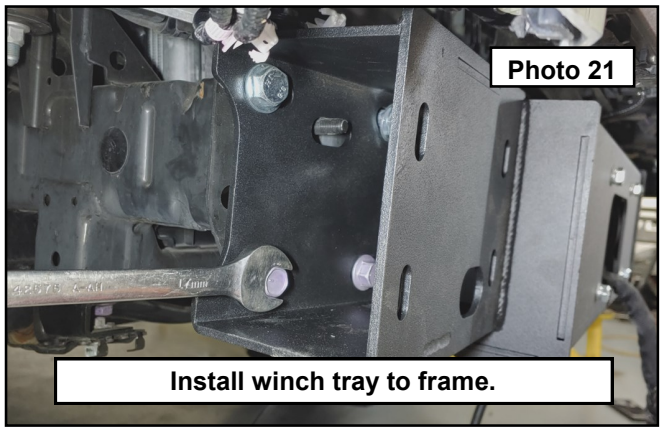


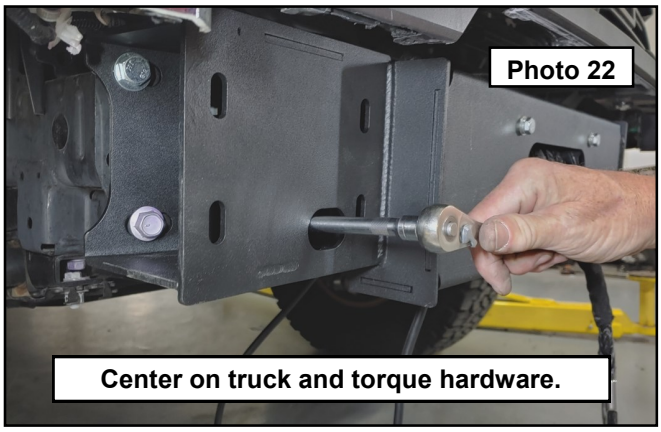
19. **Non Winch Optioned kits:** Skip to step 21. **Winch Optioned kits:** Set the winch upside down as shown. Install the negative cable and square nuts from the winch kit as per the winch kit instructions. **Photo 19**
20. Set the winch tray from the bumper kit onto the winch feet and install using the hardware from the winch kit. Torque to 30 ft/lb. **Photo 20**



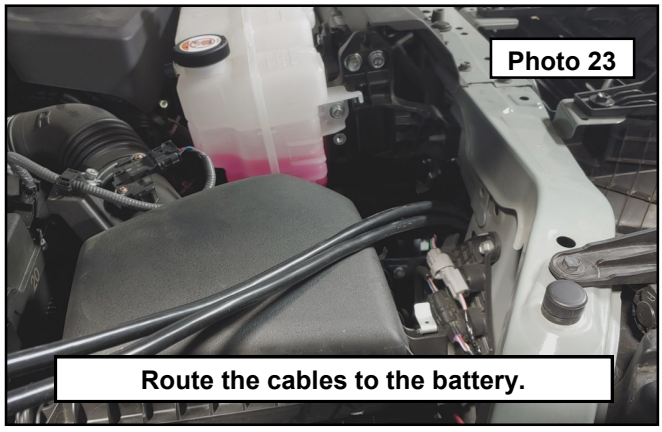


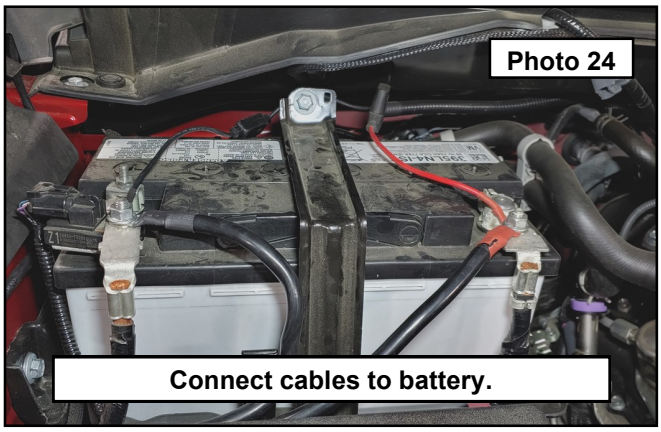
21. Install the winch tray to the frame rails using the factory hardware in the lower locations and the provided 12mm bolts, washers and flange nuts to the upper location. Photo 21
22. Center the winch tray on the vehicle and then tighten the hardware. Torque to 65 ft/lb. Photo 22





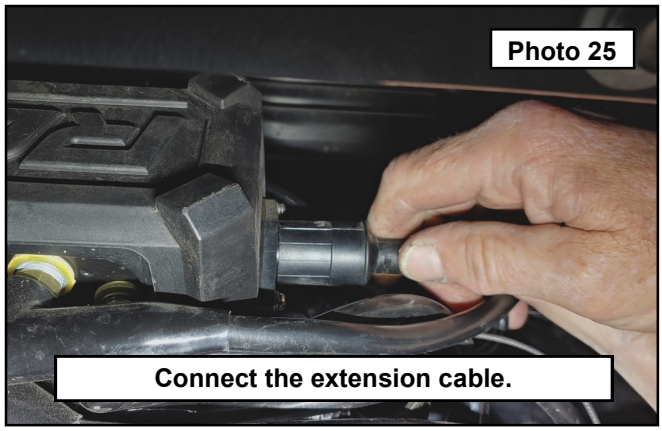
23. Winch optioned kits: run the positive and negative cables up behind the grill and into the engine bay to the battery. Photo 23
24. Attach the positive and negative cables to the battery terminals. Photo 24

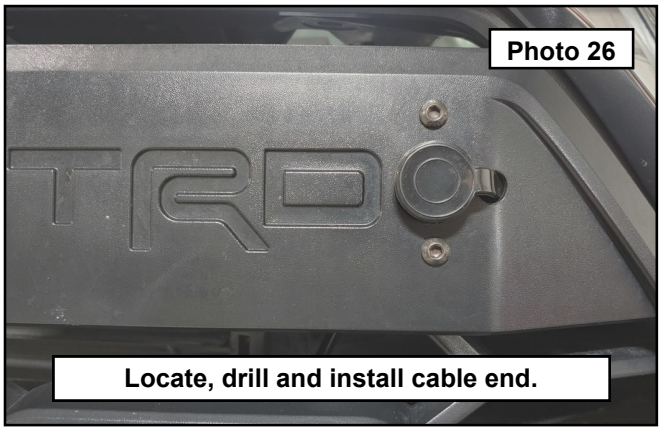




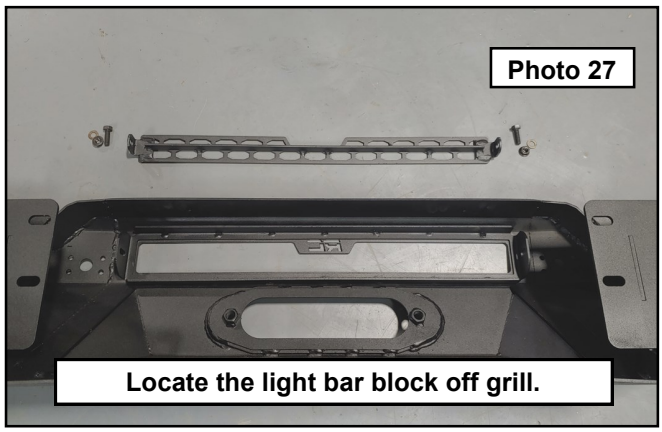
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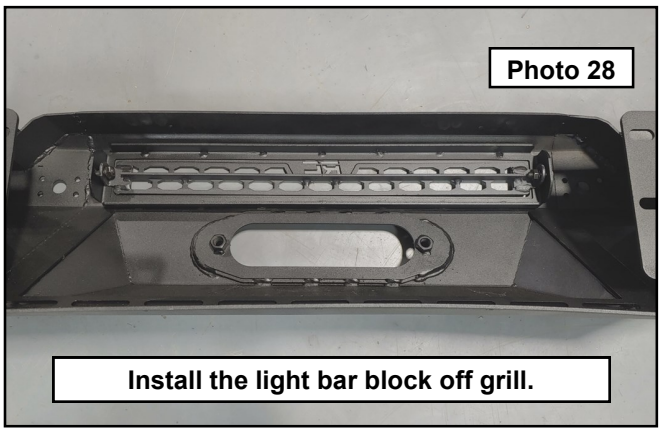
25. **Winch Optioned kits:** Plug in the winch cable extension to the control box. Route the cable to your preferred place to install. **Photo 25**
26. Once you have a place picked out, use the end to mark and drill where the holes are needed. Shown here is placement into the front of the grill shell. Attach using the provided Phillips head self threading screws. Photo 26



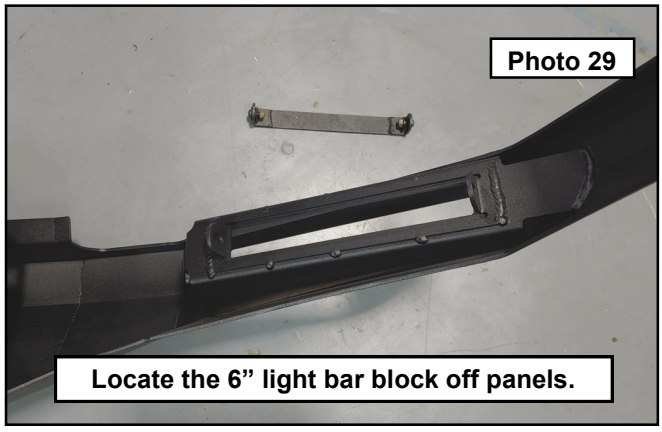


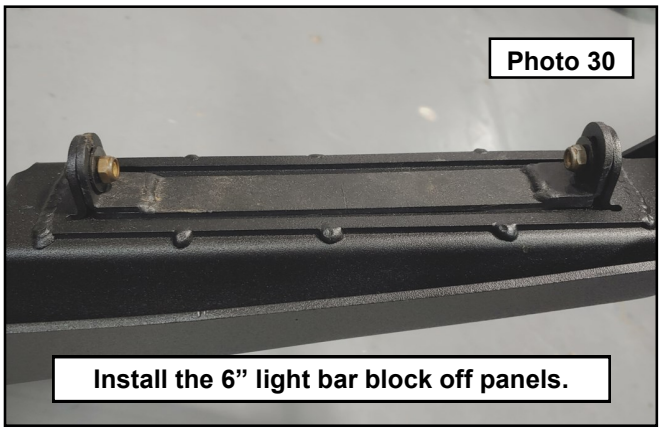
27. Non Light Optioned Kits: Locate the 20” light bar block off grill and 8mm hardware. Photo 27
28. Install the 20” light bar block off panels using the 8mm hardware and tighten once centered. Photo 28





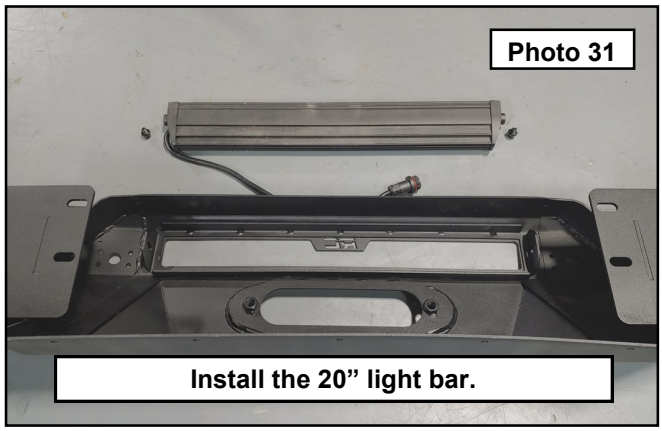
29. Locate the 6” light bar block off panels and 6mm hardware. Photo 29
30. Install the 6” light bar block off panels using the 6mm hardware and tighten once centered. Photo 30

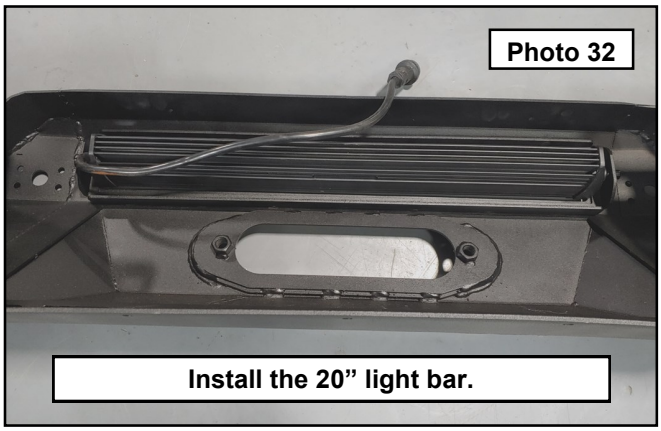




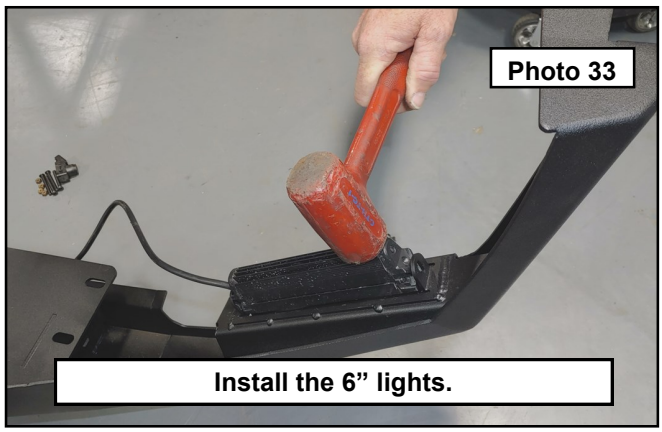
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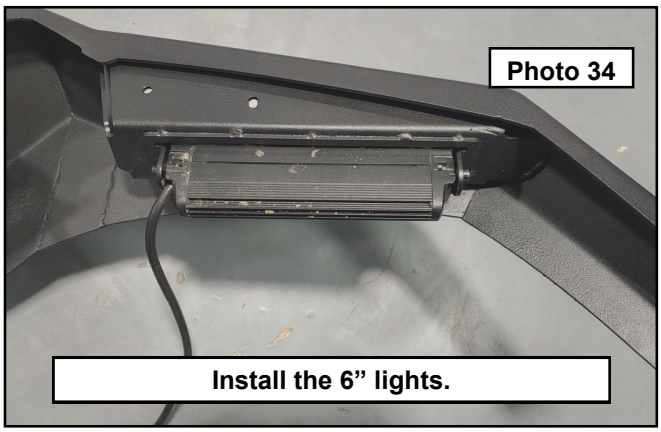
31. **Light Optioned Kits:** Install the 20” light bar to the bumper using the provided hardware in the light kit. You may need to use spacers that are included with some of the Non DRL light options. **Photo 31 / 32**



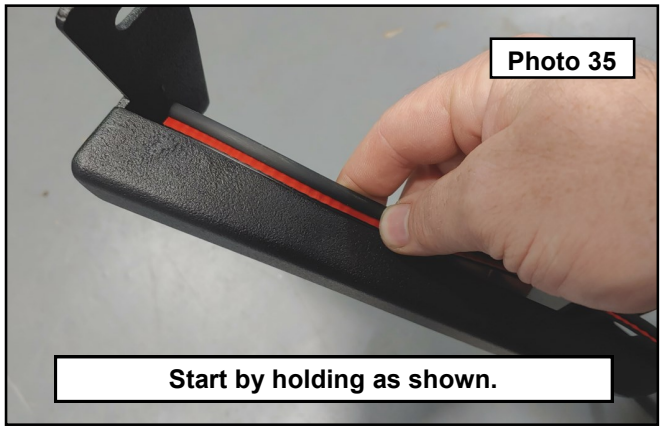


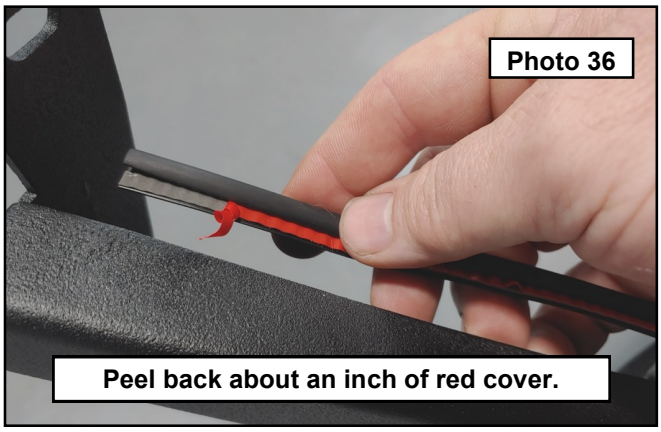
32. Install the 6” lights to the mounts using the hardware from the light kit. You may need to tap these in using a dead blow hammer as the mounts are designed to be a tight fit to prevent the light from rotating. **Photo 33 / 34**





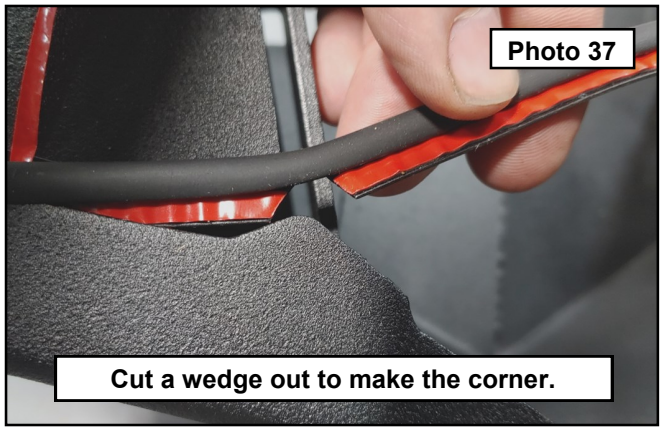
33. Locate the rubber trim molding. Prepare to install by holding as shown. **Photo 35**
34. Peel back about an inch of the red covering to expose the double sided tape. Starting at the end of the bumper wing, slide the rubber trim over the edge, sticking the tape to the underside of the bumper skin while making sure to have the red covering stick out on the back side. **Photo 36**

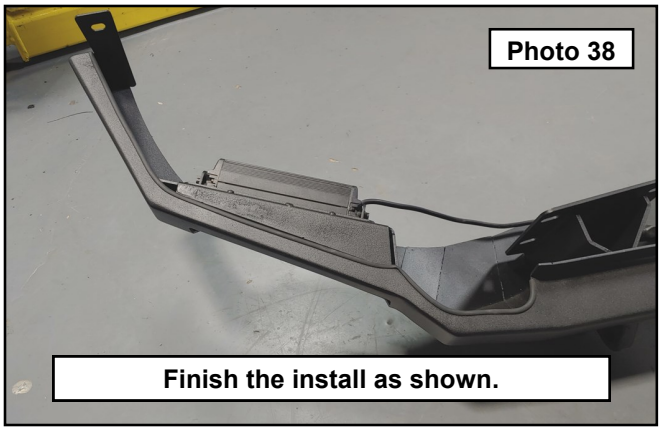




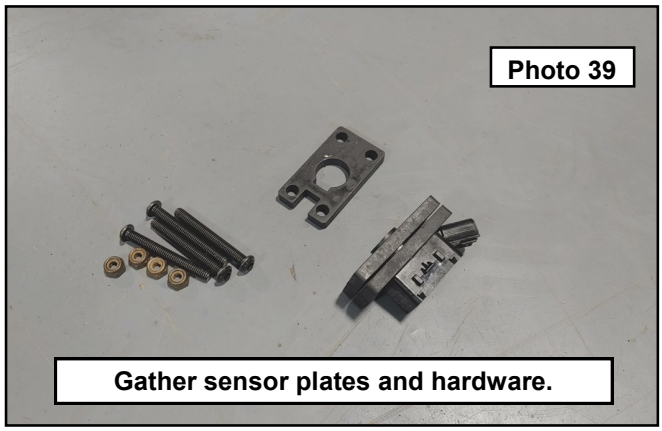
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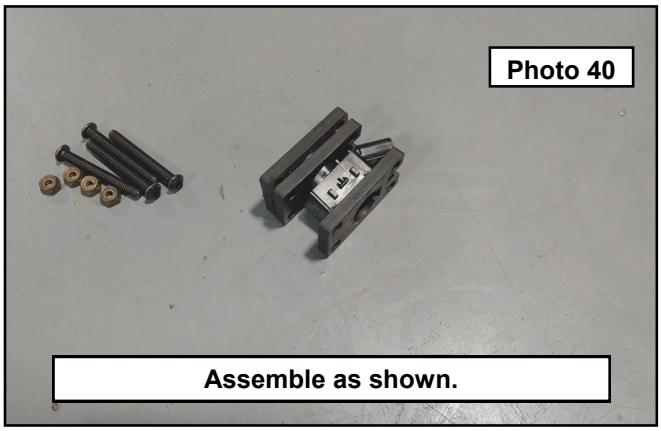
35. Continue adding the rubber trim along the edge a few inches at a time. Peel the red tape off as you move along the edge. When you get to the hard corner, cut out a wedge from the back of the rubber trim to allow the corner to be made without bunching up. Use diagonal cutters or utility knife. **Photo 37**
36. Finish adding the rubber trim until you reach the end of the wing and cut off the excess as shown. Repeat for the opposite side. **Photo 38**



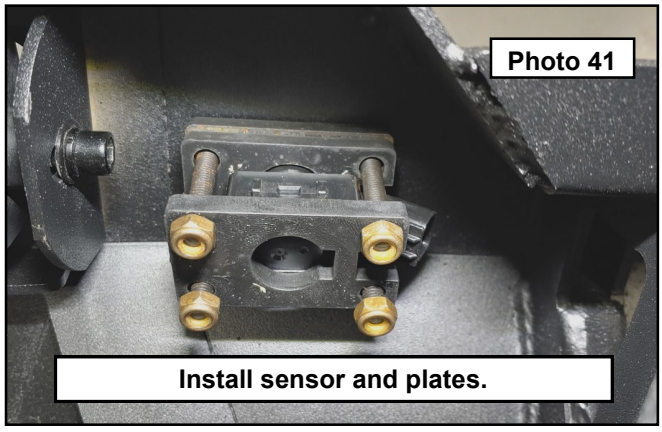


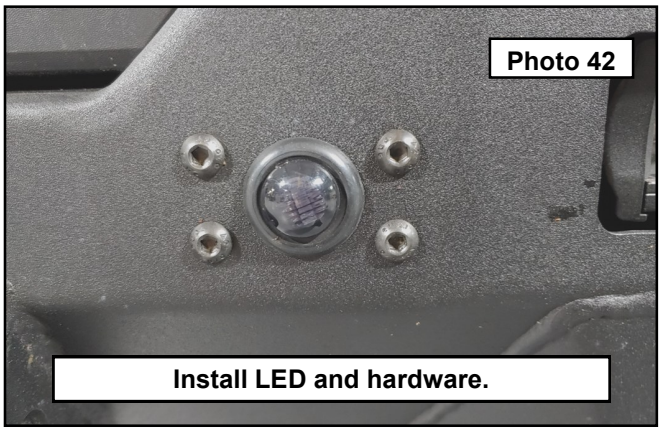
37. **Parking Sensor Optioned Vehicles:** Locate the sensor mounting plates and 6mm hardware. There will be 6 mounting plates total. You will use 3 per side. **Photo 39**
38. Install the sensor through two of the plates with the square cut out facing the connector. You will then use the third plate to sand which the sensor into the bumper. **Photo 40**





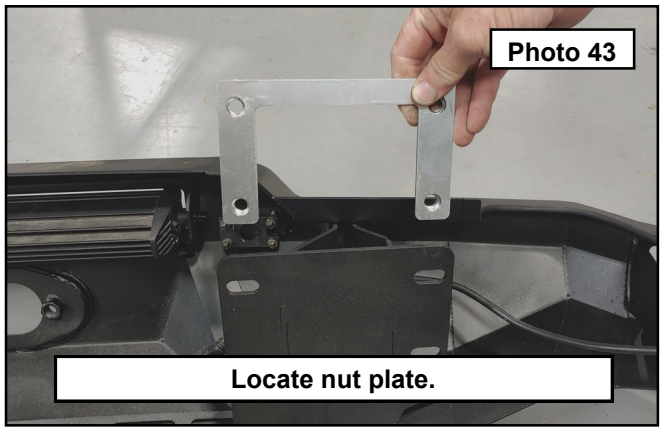
39. Install the assembly into the bumper using the 6mm bolts and nuts as shown with electrical connector facing the outside of the bumper. Tighten these down in a cross pattern until snug. **DO NOT** overtighten. **Photo 41**
40. **Non Sensor Optioned Vehicles:** Install the provided smoked LED to the sensor holes. Start by removing the LED from the rubber grommet, install the grommet to the bumper, and then coat the rubber grommet with lube. Push the LED into the grommet. Install the 6mm hardware. Photo 42

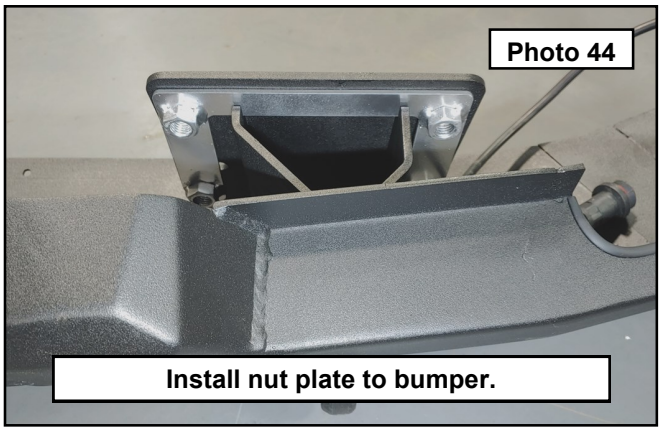




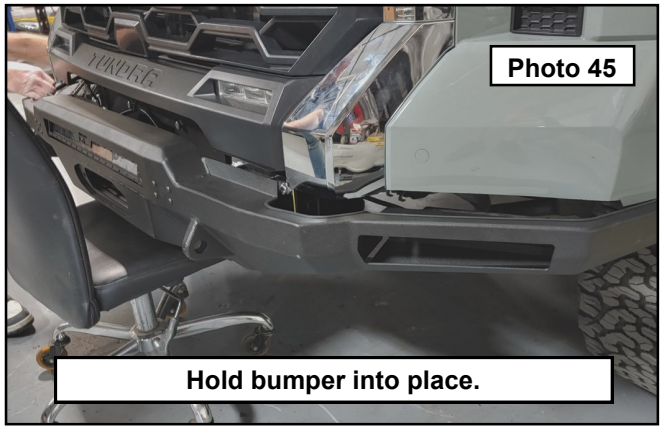
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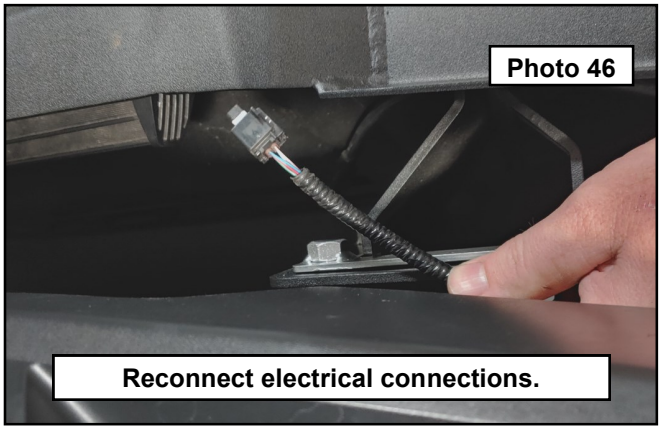
41. Locate the nut plates. Place onto the bumper frame mounts with the nuts facing the front. **Photo 43**
42. These plates will sit into a notch on the bumper mount to help hold them into place while you line everything up during installation. **Photo 44**



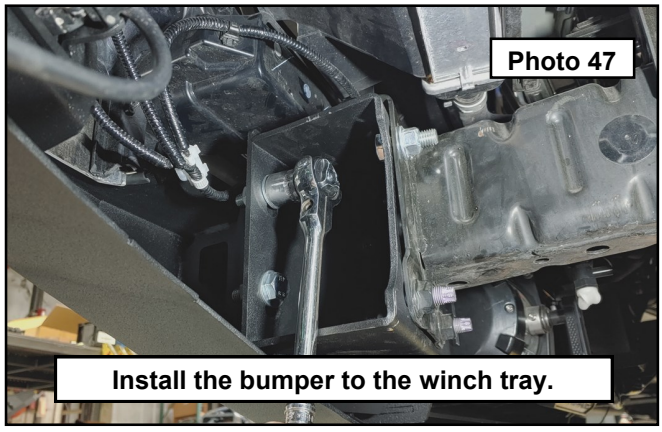


43. The bumper is designed to be installed by sliding up into place while lining up the bumper cover. Use a helper to get the bumper into place. In this instance shown, a small office chair provided the perfect amount of height to hold the bumper in place while the parking sensors are connected. **Photo 45**
44. Parking Sensor Optioned Vehicles: Reconnect the electrical connectors. Once connected, make sure the harness is out of the way of the mounting faces of the bumper. **Photo 46**





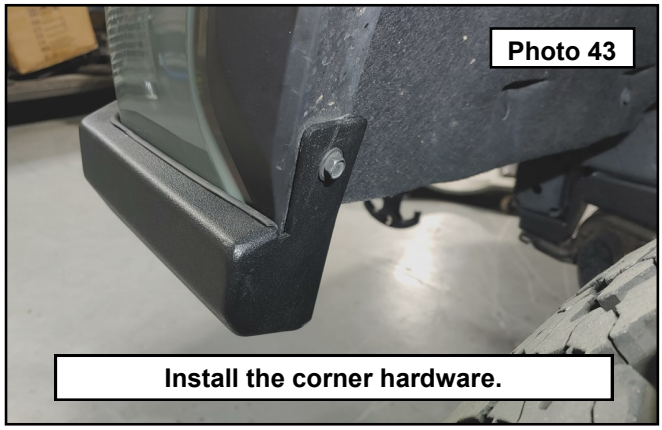
45. With the bumper in place, install the provided 12mm bolts and washers. Raise and center the bumper so that the cut bumper cover sides are behind the bumper wings but in front of the opening of the light buckets. This helps to keep the cut bumper cover in place. Use the access holes in the winch tray to tighten the inner hardware to spec using a 19mm socket. Torque all hardware to 65 ft/lb. **Photo 47 / 48**





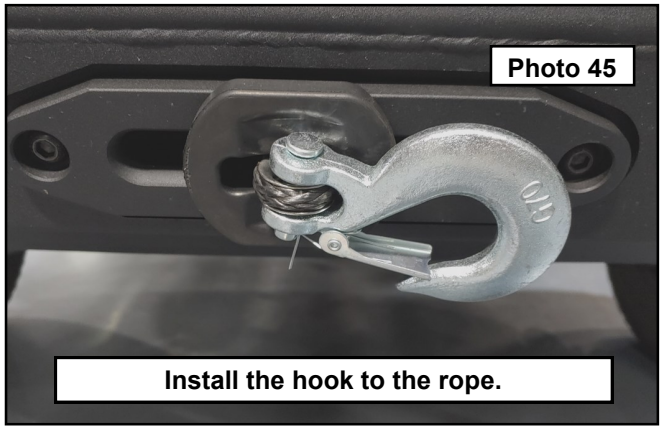
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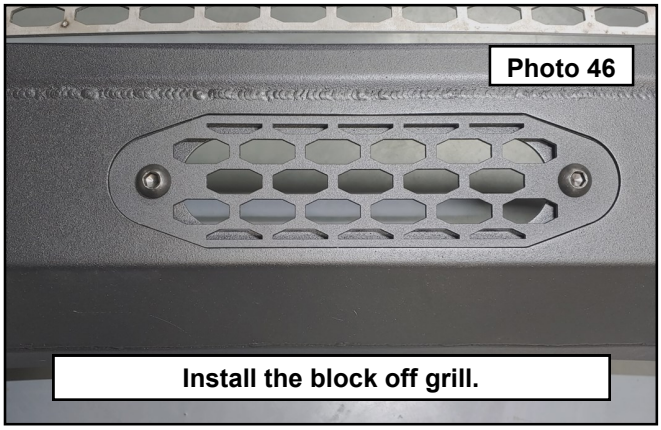
46. At the wing corners, install to the bumper cover using the previously removed factory hardware and 10mm wrench. Do not over tighten as these are held in with a plastic nut. **Photo 43**
47. **Winch Optioned Kits:** Pull the rope out of the bumper and install the fairlead using the provided 12mm button head bolts from the bumper hardware bag. Torque to 30 ft/lb. **Photo 44**



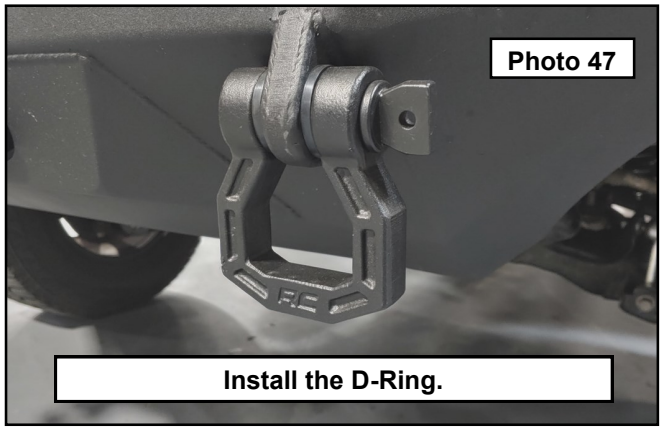


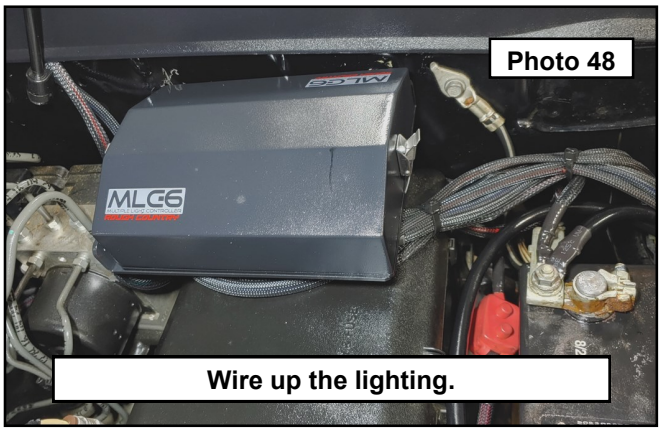
48. Install the hook of choice to the rope and retract the winch rope. If you are using a brand new winch, you will need to pre-stretch the rope before use. **Photo 45**
49. **Non Winch Optioned Kits:** Install the fairlead block off grill using the provided 12mm button head bolts and 1/4" thick spacers behind the grill. Center the grill and tighten the hardware. **Photo 46**





50. Install the D-Ring of choice. **Photo 47**
51. Wire up the lighting to suit. Here is shown a Rough Country universal MLC6 kit added to control the lighting and make the wire management cleaner. **Photo 48**





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IMAGE
COMING SOON

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