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Rough Country 70829 Installation Instructions

6-Inch Black Series LED Light Bar Kit for 2019–2023 Ford Ranger

Part number: 70829

trailfortress.com/rough-country-led-light-kit-70829

Scan for fitment, price and install help

ROUGH COUNTRY
SUSPENSION SYSTEMS®

921708280

FORD 2019 Ranger 6” Slim Line Bumper Mount

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:
6” Single Row LED Light Kit x1
Driver Side Inner Bracket x1
Driver Side Outer Bracket x1
Pass Side Inner Bracket x1
Pass Side Outer Bracket x1

TOOLS NEEDED:
10mm Socket
13mm Socket
15mm Socket
21mm Socket
4mm Allen Wrench
Auto Trim Puller
Scissors
Paint Pen
5/16 Drill Bit
Drill Motor
Sander or File
Reciprocating Saw



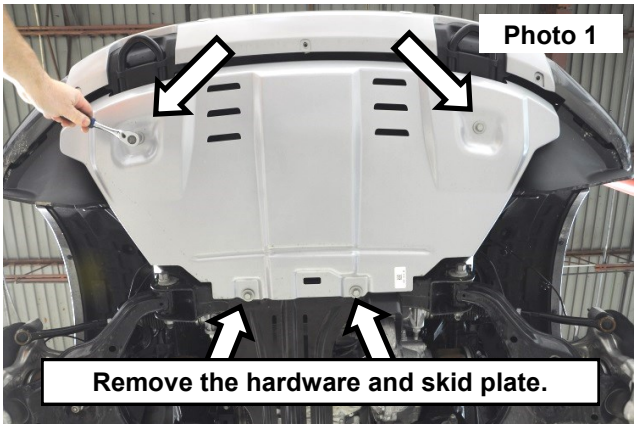
Torque Specs:

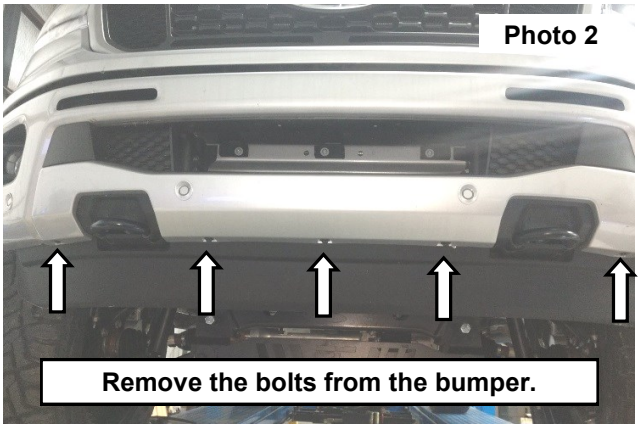
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	21mm	170ft/lbs	240ft/lbs

RC ROUGH COUNTRY

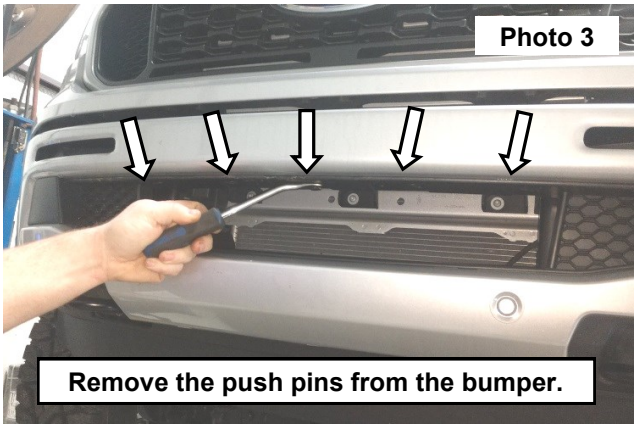
INSTALLATION INSTRUCTONS

1. Chock the rear wheels and jack up the front of the vehicle.
2. Place jack stands under the frame rails and lower onto the jack stands.
3. Using a 15mm socket. Remove the (4) bolts from the front skid plate. Then set the skid plate aside and retain hardware for later use. **See Photo 1.**
4. Remove the (5) bolts in the bottom of the bumper trim using a 10mm socket. **See Photo 2.**
5. Remove the (5) push pins in the upper bumper trim using an auto trim puller. Retain the push pins. **See Photo 3.**



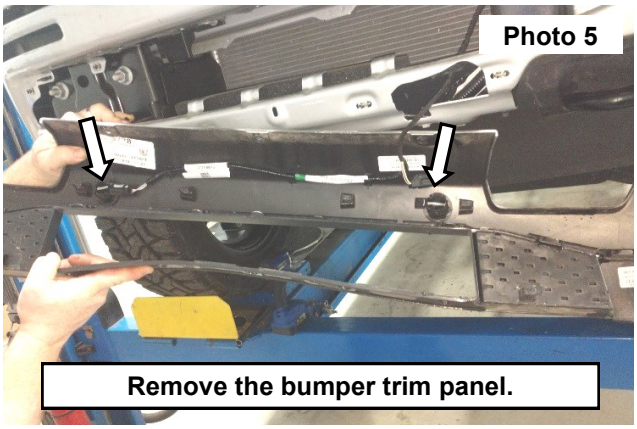


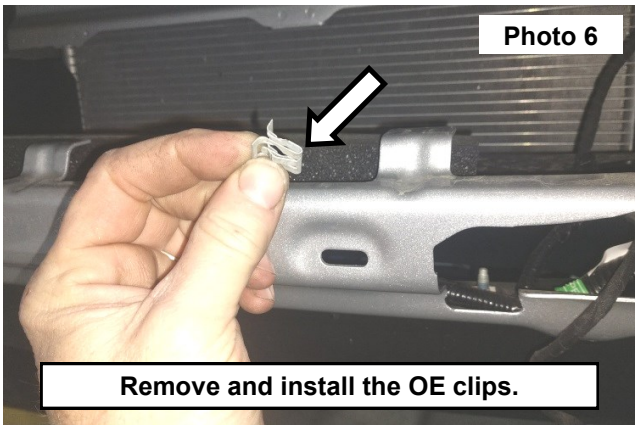
6. Pull on the bumper trim panel to release the clips securing it to the bumper. **See Photo 4.**
7. Once the trim panel has been removed disconnect the (2) front sensors on the rear of the panel. Set the panel aside in a safe place. **See Photo 5.**



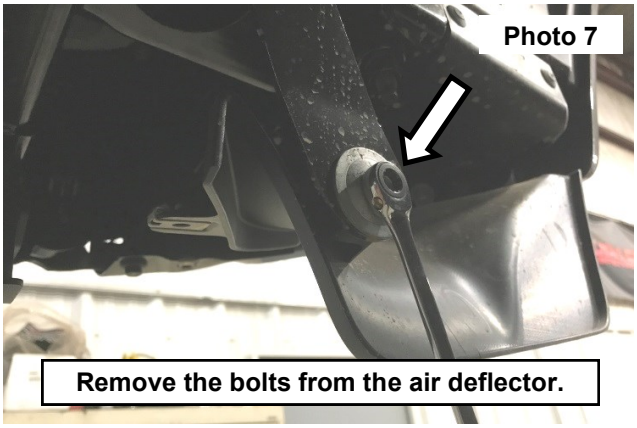


8. ***NOTE:*** If any clips remain in the bumper from the removal of the cover, remove them and re-install onto the post of the bumper trim panel. **See Photo 6.**
9. Remove the bolts on each side of the front bumper air deflector using a 10mm socket. **See Photo 7.** Retain hardware.



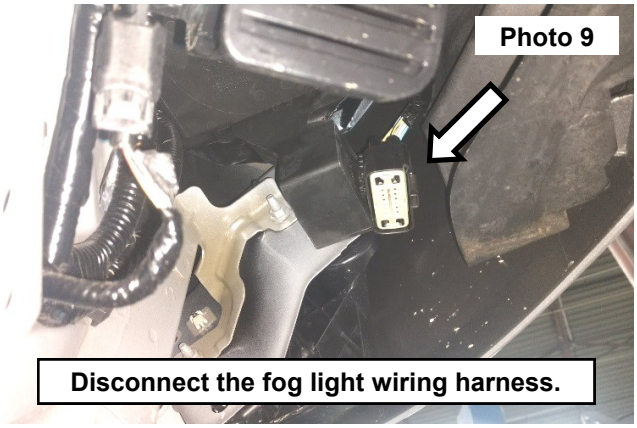


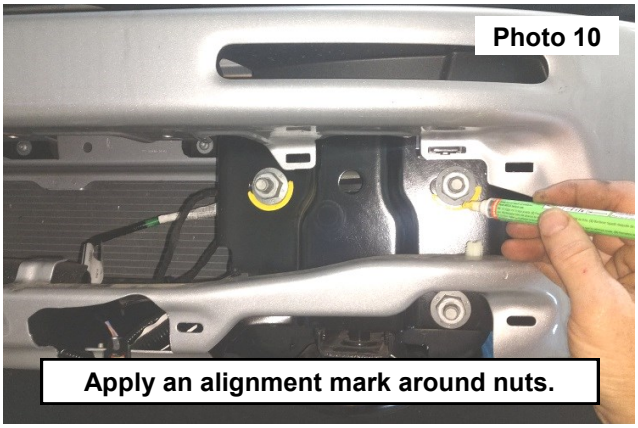
10. Remove the tow hook gromet and retain for reuse. **See Photo 8.**
11. If equipped disconnect the fog light wiring harness on the drivers side of the vehicle. **See Photo 9.**
12. Use a paint pen to apply an alignment mark around the nuts securing the bumper to the vehicle. **See Photo 10.**



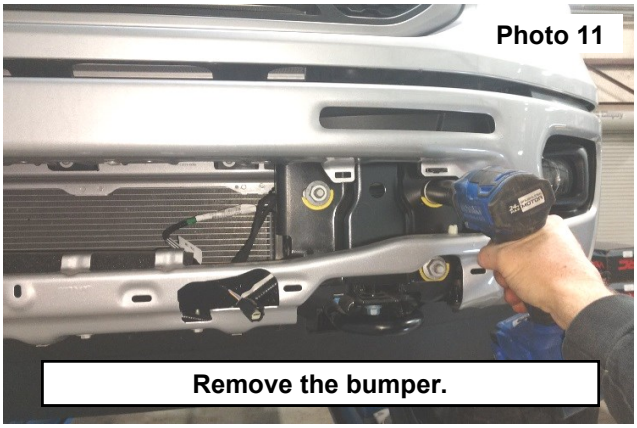


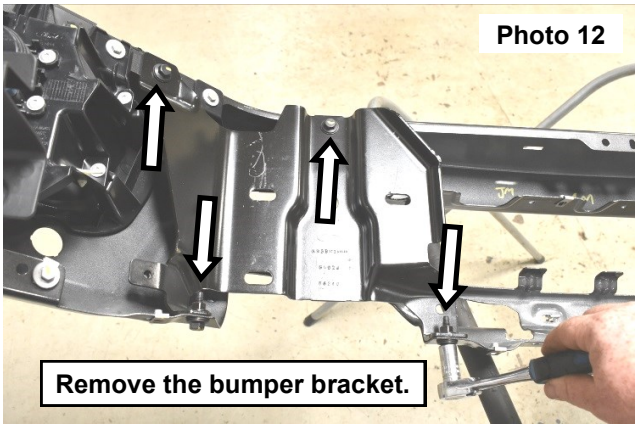
13. Using a 21mm socket. Remove the nuts from the bumper mount. Then remove the bumper. **See Photo 11.** Retain hardware for reuse.





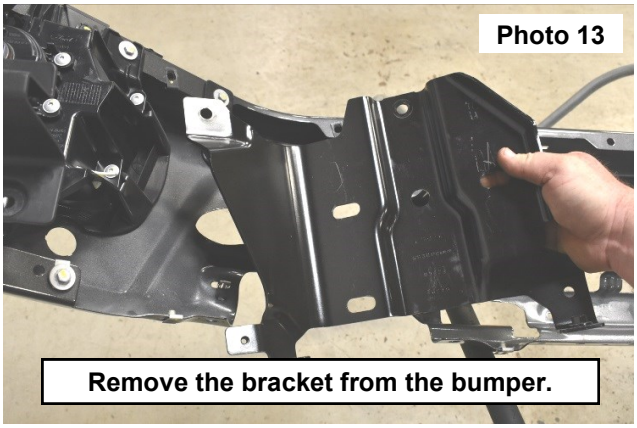
14. Using a 13mm socket remove the (4) bolts from the bumper bracket. Then remove the bumper bracket and retain hardware. **See Photos 12 and 13.** Repeat this step on the opposite side of the bumper.
15. Bracket shown removed in **Photo 13.**
16. Remove the bolts from the bezel using a 10mm socket. Then release the clip and lift the bracket up and away from

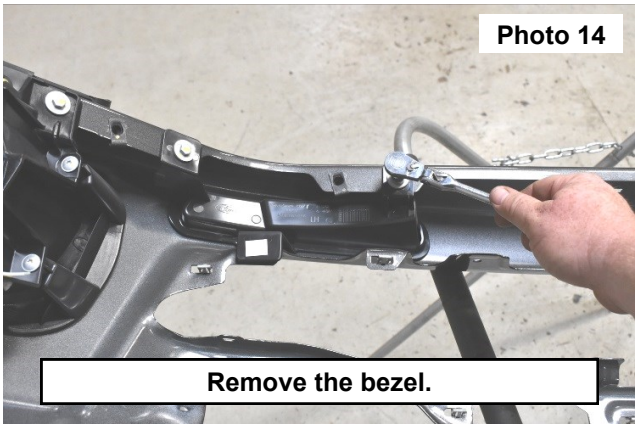




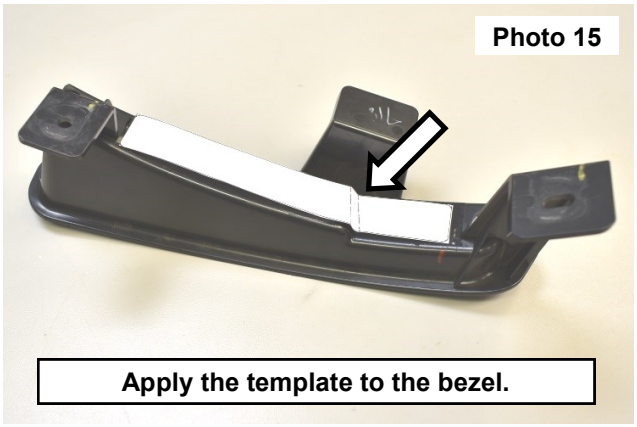
the bumper. **See Photo 14.** Retain hardware.

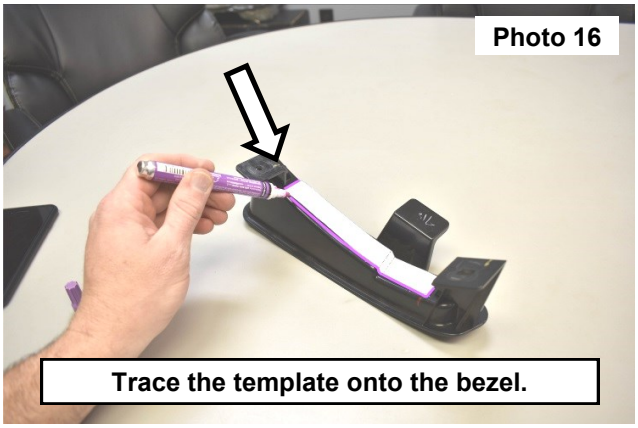
17. Trim the provided template from the sheet and fold across the dotted lines. ***NOTE:*** *The supplied template will be used on the driver and passenger side. Fold template accordingly.*



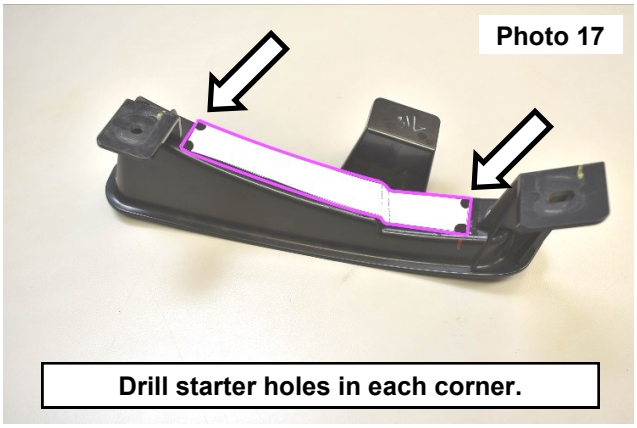


18. Adjust the template to lay across the back side of the bezel following the dotted lines. **See Photo 15.**
19. Hold the template in place. Then use a paint pen to trace the outer edge of the template onto the bezel. **See Photo 16.** ***NOTE:*** Make good clean marks this will be the cut line to install the light.
20. Drill starter holes for the saw blade in each corner of the bezel using a 5/16 drill bit. **See Photo 17.**
21. Using a reciprocating saw trim the area that has been marked away from the bezel. **See Photo 18.**





22. Use a sander or file to deburr any rough edges.
23. Identify the driver side light brackets shown in **Photo 19** and the passenger side light brackets shown in **Photo 20**.
24. Step 25-26 has the driver side bezel shown in photos.
25. Install the light wiring to the outer side of the bezel when placing the light through the front. Then install the outer

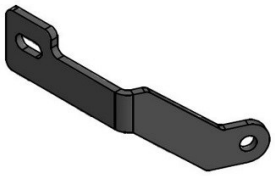


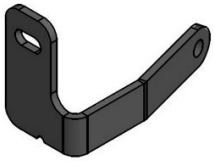


bracket onto the bezel, secure the light using the supplied hardware in the led light bar kit. **See Photo 21.**

Driver.

Photo 19

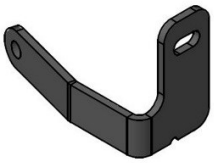


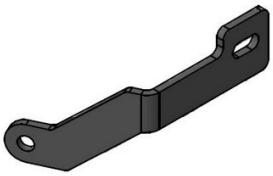


Outer Bracket. **Inner Bracket.**

Passenger.

Photo 20

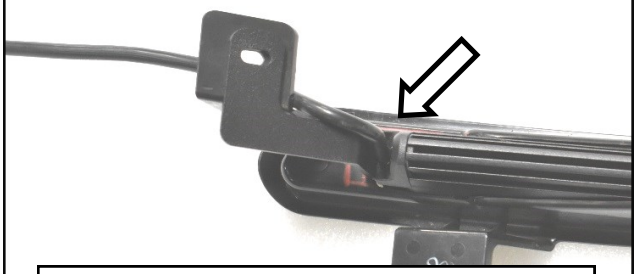




Inner Bracket. **Outer Bracket.**

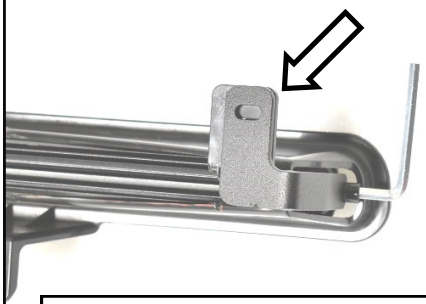
26. Install the inner bracket onto the bezel and light secure using the supplied hardware in the led light bar kit. **See Photo 22.**
27. Check the light for proper fitment around the trimmed areas of the bezel. Tighten the light hardware using a 4mm allen wrench.
28. Install the assembled light and bezel onto the bumper using the retained OE hardware. Tighten using a 10mm socket. **See Photo 23.**
29. Repeat step 28 on the opposite side of the vehicle.

Photo 21



Install wiring and bracket on the outer side.

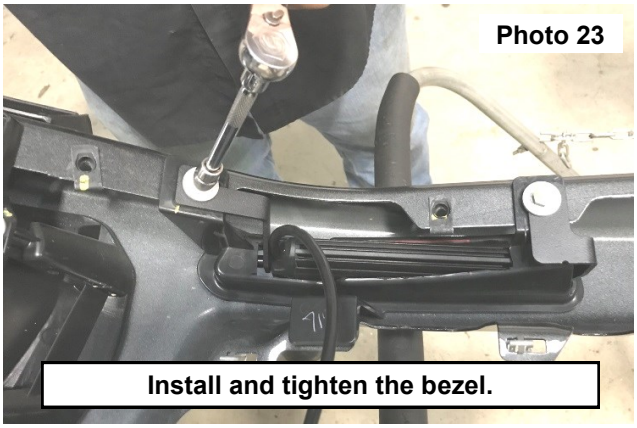
Photo 22



Install the inner bracket onto the light.

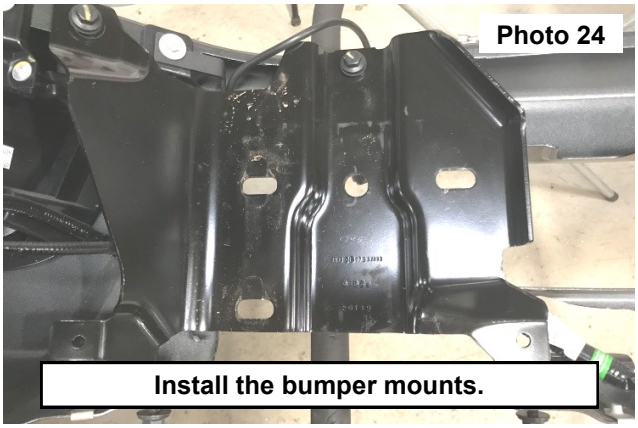
30. Install the bumper mounts on each side of the vehicle using the retained OE hardware. Tighten using a 13mm socket. **See Photo 24.**
31. Install the supplied wiring harness using the corresponding instruction sheet. Then connect the LED lights to the harness.
32. If equipped connect the fog light wiring harness. **See Photo 25.**

Photo 23



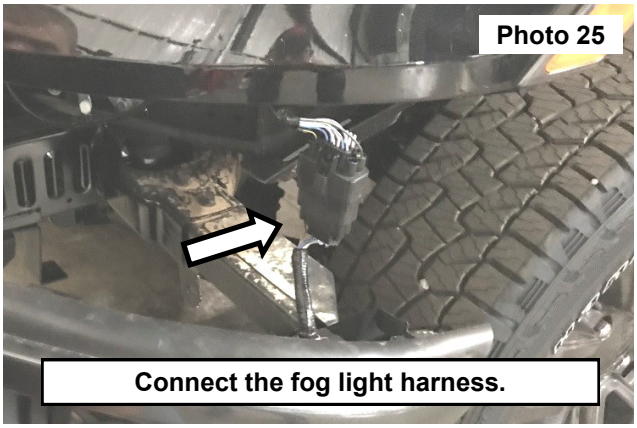
Install and tighten the bezel.

Photo 24



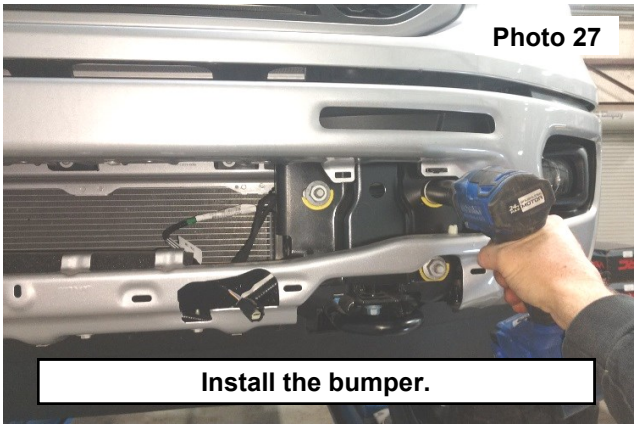
Install the bumper mounts.

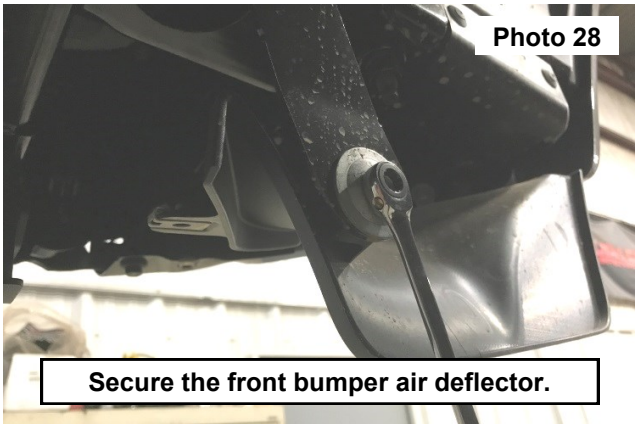
33. Install the retained tow hook gromets on each side of the vehicle. **See Photo 26.**
34. Install the bumper mounts onto the studs and secure using the retained OE hardware, align the marks made around the nuts and tighten the bumper mounts using an 21mm socket. **See Photo 27.**
35. Install the bolts on each side of the front bumper air deflector using a 10mm socket. **See Photo 28.**



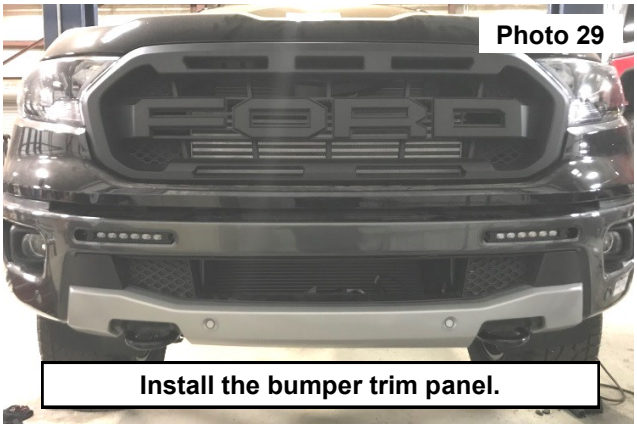


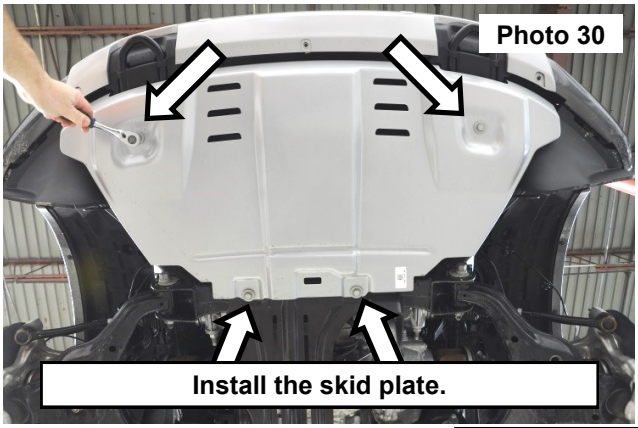
36. Connect the parking sensors on the bumper trim panel. Then install the trim panel onto the bumper. **See Photo 29.**
37. Install the (5) retained push pins in the upper trim panel.
38. Install the (5) bolts in the lower bumper trim panel.

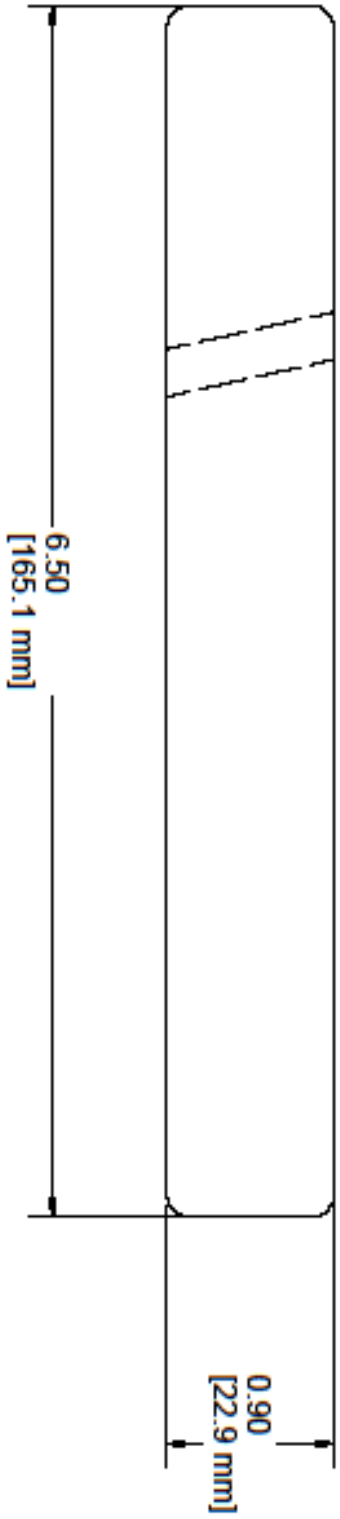




39. Install the skid plate using the (4) retained OE bolts. Tighten using a 15mm socket. **See Photo 30.**
40. Lift the vehicle up and remove the jack stands, lower onto the ground and remove the wheel chocks.







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