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Rough Country 70809 Installation Instructions

Dual 10-Inch Chrome Series LED Grille Kit for Ford F-150 (2018-2020)

Part number: 70809

trailfortress.com/rough-country-led-light-kit-70809

Scan for fitment, price and install help

921708070A

FORD 2018-19 F-150 10 Inch Slim Line LED Light Grille Kit

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.

⚠ NOTICE **Fits XLT ONLY**

KIT CONTENTS:
Outer Grille Brackets x 2
Inner Grill Brackets x 2
LED Light Brackets x 4
Slim Line LED Lights

TOOLS NEEDED:
3/32 Allen Wrench
5/32 Allen Wrench
5/16 Wrench
7/16 Wrench
7MM Socket
8MM Socket
10MM Socket
Adjustable Pliers
Ratchet
Auto Trim Puller
Tape Measure

HARDWARE INCLUDED:
1/4-20 x x1/2 Button Head Bolts x 8
1/4-20 Nylock Nuts x 8
#8-32 x 1/2 Button Head Bolts x 8
#8-32 Lock Nut x 8

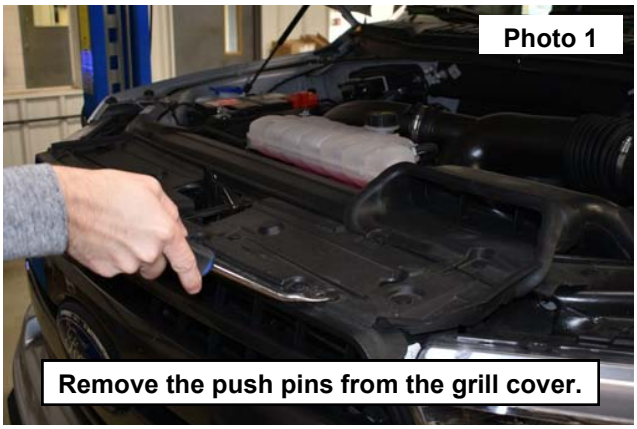


Torque Specs:

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 INSTRUCTONS

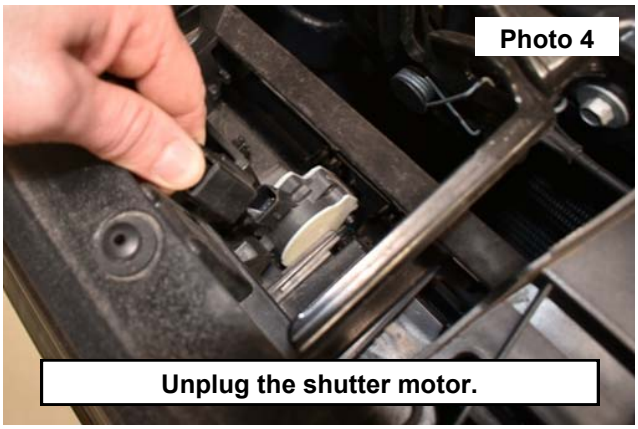
1. Remove the push pin clips from the top of the grille cover. **See Photo 1.** Save for reuse.
2. Remove the grille cover, set aside for reuse. **See Photo 2.**





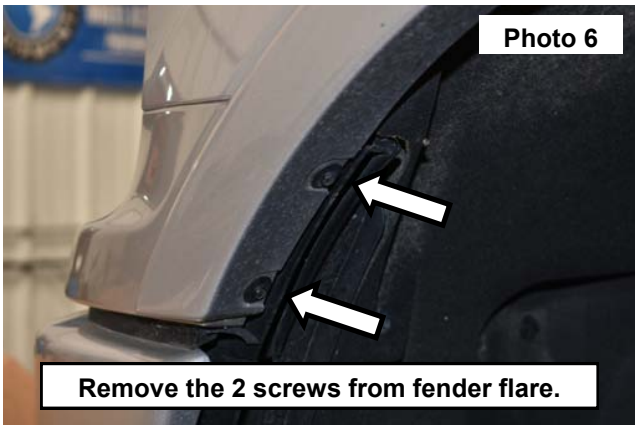
3. Remove the 4 bolts in the top of the grill, use a 10mm socket. **See Photo 3.** Save for reuse.
4. Unplug the shutter motor in the top of the grille. **See Photo 4.**





5. Using an auto trim puller, release the shutter motor wiring clip from the grille. **See Photo 5.**
6. Remove the 2 screws in the fender flare on each side of the vehicle, use a 7mm socket. **See Photo 6.** Save for re-use.





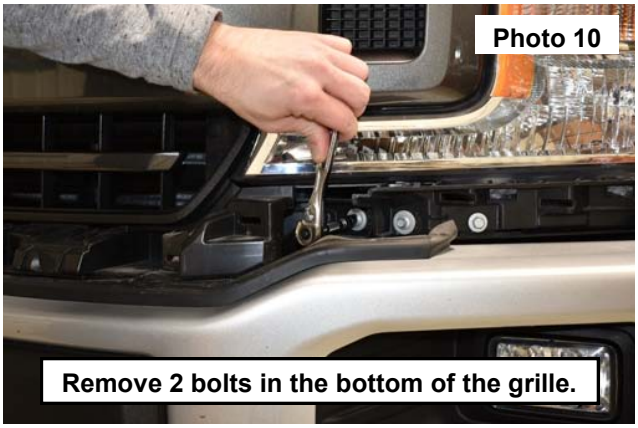
7. Using an auto trim puller, release the clips securing the fender flare to the upper bumper cover. **See Photo 7 and 8.**





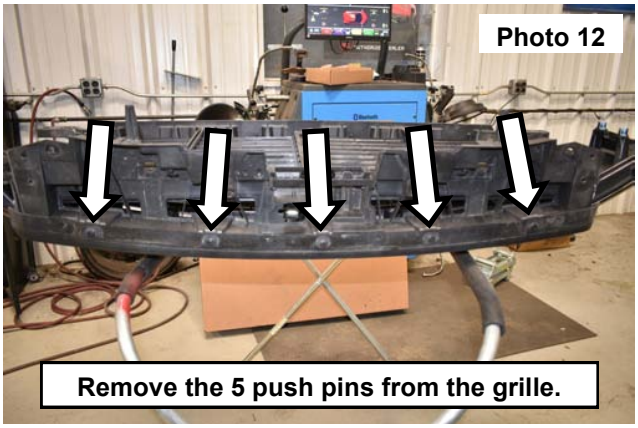
8. Release and remove the upper bumper cover from the vehicle. **See Photo 9.** Set aside in a safe place for reuse.
9. Remove the 2 bolts from the bottom of the grille, use a 10mm socket. **See Photo 10.** Save for reuse.



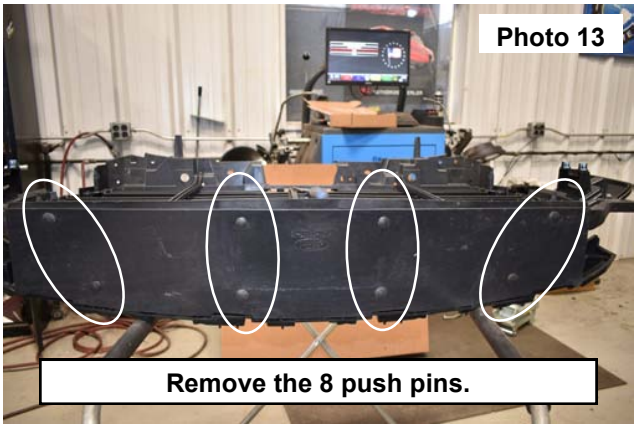


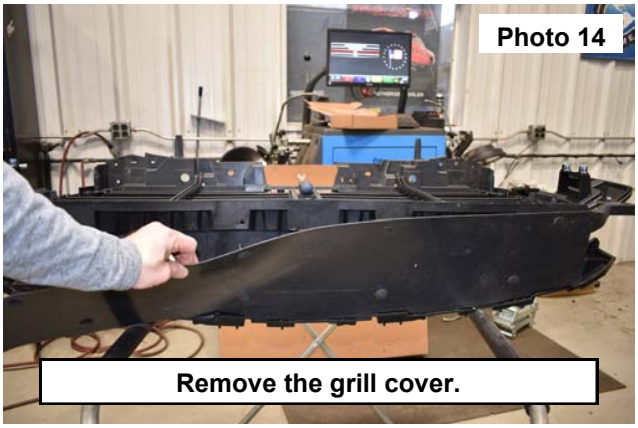
10. Remove the grille from the vehicle, set in a safe place to install the lights. **See Photo 11.**
11. Using an auto trim puller, remove the 5 push pins from the top of the grille. **See Photo 12.** Save for reuse.



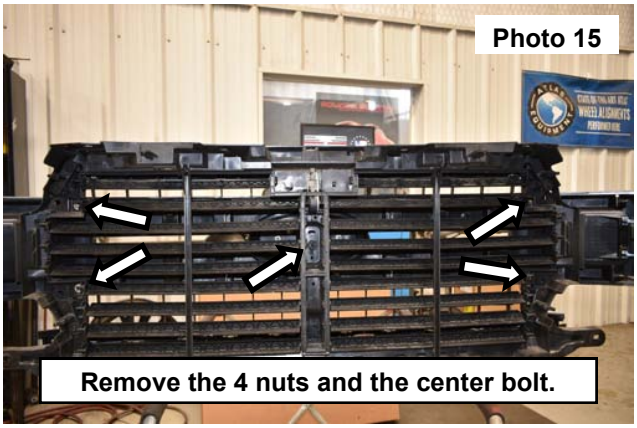


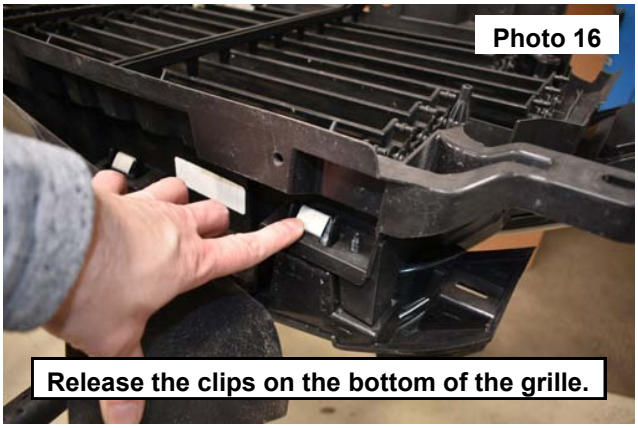
12. Remove the 8 push pins along with the grille cover from the bottom of the grille, use an auto trim puller. **See Photos 13 and 14**. Set aside for reuse.





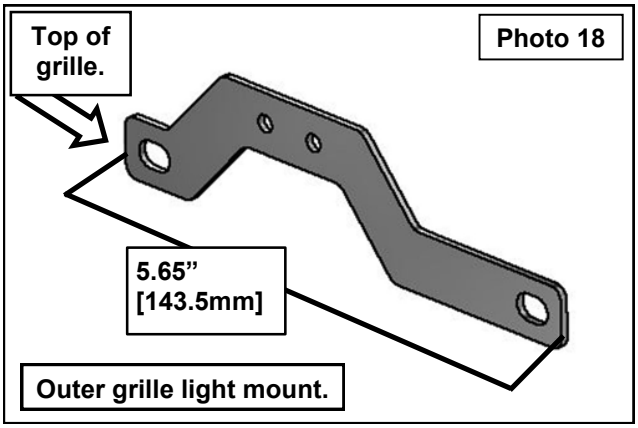
13. Remove the 4 nuts in the outside mount of the shutter system using a 10mm socket. Remove the center bolt using a 7mm socket. **See Photo 15.**
14. Push in to release the tabs wile lifting up on the bottom of the shutter system. **See Photo 16.**



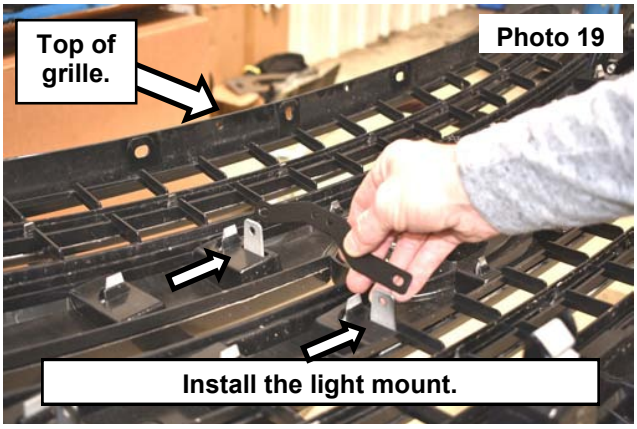


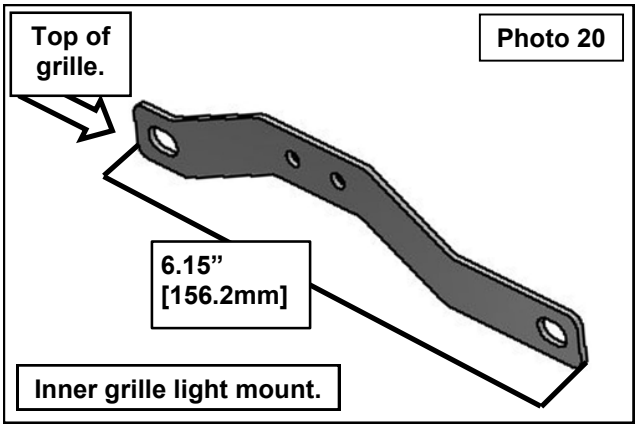
15. Remove the shutter system from the back of the grille. Set aside this will be reused. **See Photo 17.**
16. Locate the outer grill mount. This mount is 5.65” or 143.5mm long. **See Photo 18.**



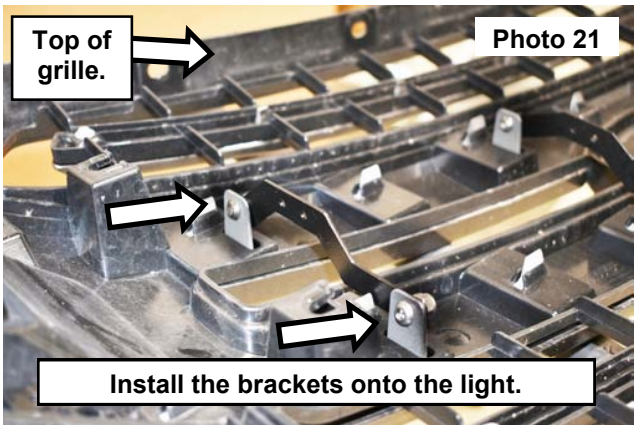


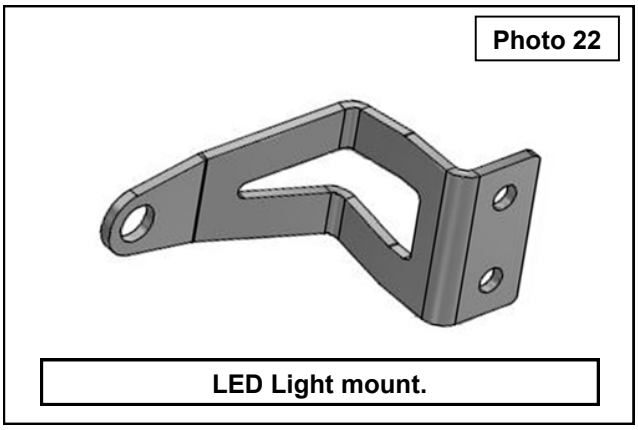
17. Install the inner light mount in the correct position onto the tabs on the grille. **See Photo 19.**
18. Locate the inner light mount. This light mount is 6.15” or 156.2mm long. **See Photo 20.**



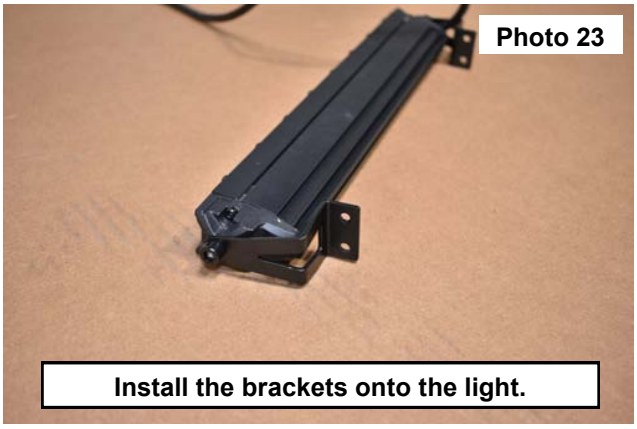


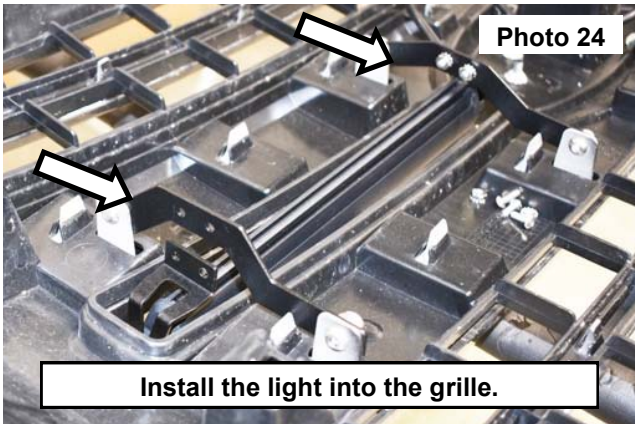
19. Install the light mount brackets onto the tabs on the grille using the 4 supplied 1/4/-20 x 1/2 button head bolts and 1/4 -20 nylock nuts. **See Photo 21.** Do not tighten at this time.
20. Locate the 4 LED light mounts. **See Photo 22.**



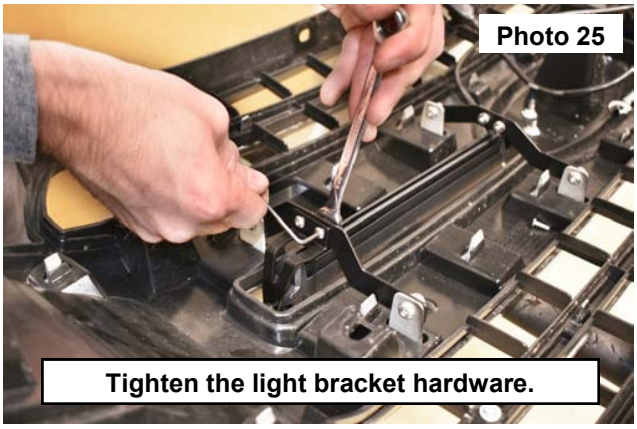


21. Install the LED light mounts onto each end of the light using the supplied hardware in that kit. **See Photo 23.**
22. Install the light onto the installed brackets on the grille, secure using (4) of the supplied #8-32 x 1/2 button head bolt and (4) #8-32 lock nut. **See Photo 24.**





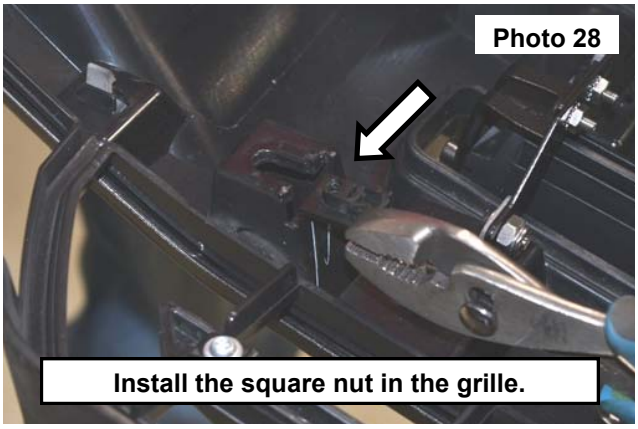
23. Tighten the #8-32 bolts and nuts using an 3/32 allen wrench and a 5/16 wrench. **See Photo 25.**
24. Tighten the 1/4-20 bolts and nuts using a 5/32 allen wrench and a 7/16 wrench. **See Photo 26.**



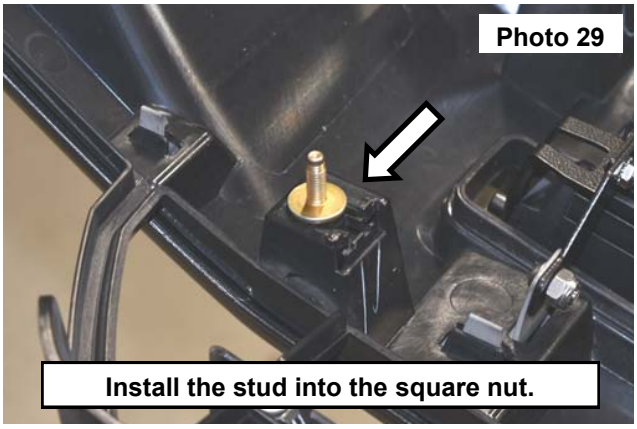


25. Remove the studs from the shutter system from the grille. Using pliers hold the base of the stud and a 10mm socket on the nut. **See Photo 27.**
26. Insert the 4 square nuts into the grille and screw the studs into them. **See Photos 28 and 29.**





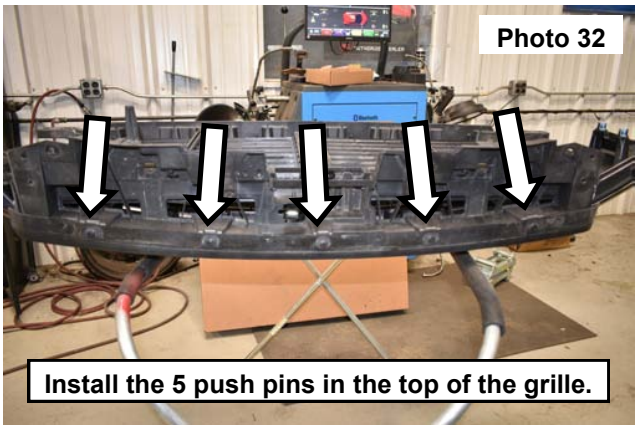
27. Install the wiring harness supplied in the light kit.
28. Install the shutter system back onto the grille using the retained hardware to secure, use a 8mm socket for the center bolt and a 10mm socket for the 4 outside nuts. **See Photo 30.** Make sure the light wires are not pinched or in the working area of the shutter system.



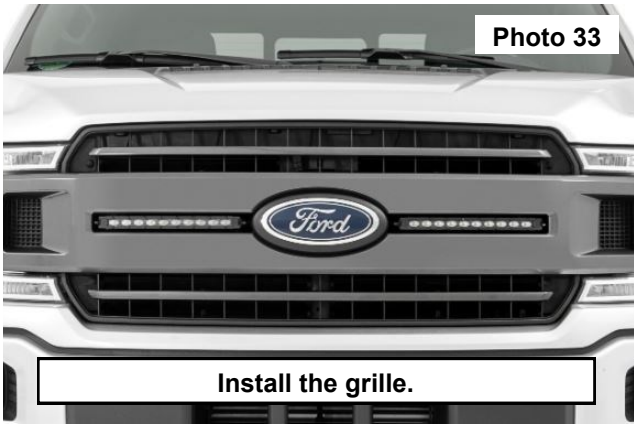


29. Install the retained grill cover onto the bottom of the grill. **See Photo 31.**
30. Install the 5 retained push pins into the top of the grille. **See Photo 32.**





31. Install the grille onto the vehicle. **See Photo 33.**
32. Reverse steps 1-13 to complete the installation of the grille.
33. Secure all loose wiring.





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