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Rough Country 70229 Installation Instructions

Mesh Grille for Ford F-150 (2009–2014)

Part number: 70229

trailfortress.com/mesh-grille-ford-f150-rough-country-70229

Scan for fitment, price and install help

921702290

FORD 2009-14 F-150 Mesh Grille

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.

70229 KIT CONTENTS:

Mesh Grille Trim Ring (x1)
Mesh Grille (x1)
Grille Mounting Brackets (x8)
70229BAG:
- **(4) #8x1/2 Button Head Allen Bolts**
- **(4) #8 Lock Nuts**
- **(4) #8 Phillips Screws**
- **(8) 1/4-20x5/8 Button Head Allen Bolts**
- **(24) 1/4-20x1/2 Button Head Allen Bolts**
- **(32) 1/4-20 Nylock Nuts**

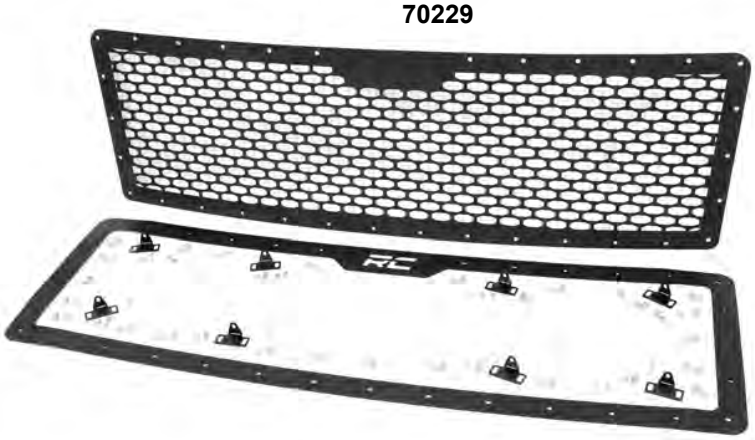
70230 KIT CONTENTS:

Mesh Grille Trim Ring (x1)
Mesh Grille (x1)
Grille Mounting Brackets (x8)
30" Dual Row LED Grille Light Mounts (x2)
70230BAG:
- **(4) #8x1/2 Button Head Allen Bolt**
- **(4) #8 Lock Nuts**
- **(4) #8 Phillips Screws**
- **(10) 1/4-20x5/8 Button Head Allen Bolt**
- **(34) 1/4-20x1/2 Button Head Allen Bolt**
- **(44) 1/4-20 Nylock Nuts**

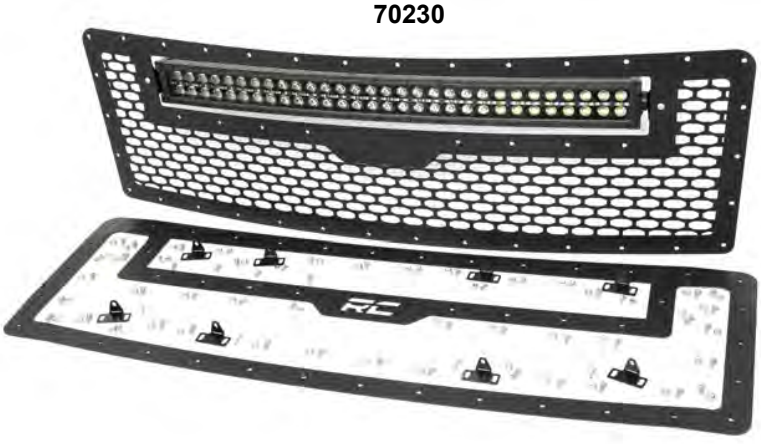
30" Dual Row Curved LED (x1)

TOOLS NEEDED:
3/32 ALLEN WRENCH
5/32 ALLEN WRENCH
11/32 SOCKET OR WRENCH
7/16 WRENCH OR SOCKET
10MM SOCKET
3/32 DRILL
DRILL MOTOR
PAINTERS TAPE
AUTOMOTIVE TRIM PULLER
RATCHET
T25 TORX BIT
CUT OFF WHEEL OR RECIPROCATING SAW
PHILLIPS SCREW DRIVER

70229

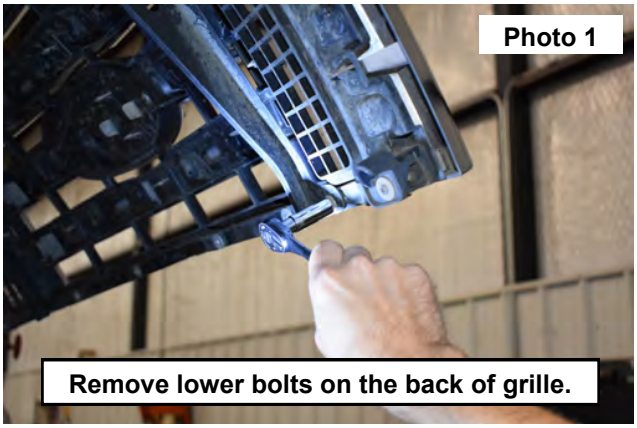


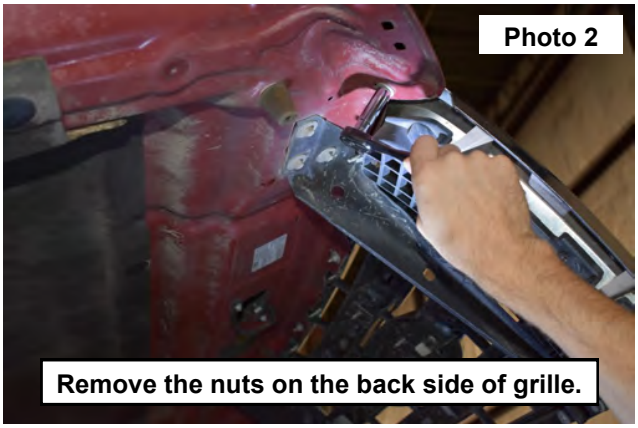
70230



INSTALLATION INSTRUCTONS

1. Removing the stock grille shell.
2. Raise the hood .
3. Remove the 2 bolts on the back of the mounts at the bottom of each side of the grille, use a 10mm socket. **See Photo 1. Save for reuse.**
4. Remove the 6 bolts across the top of the inside of the hood, use a 10m socket. **See Photo 2. Save for reuse.**



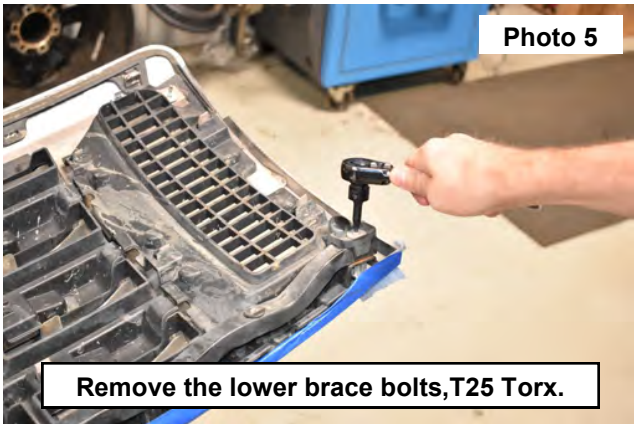


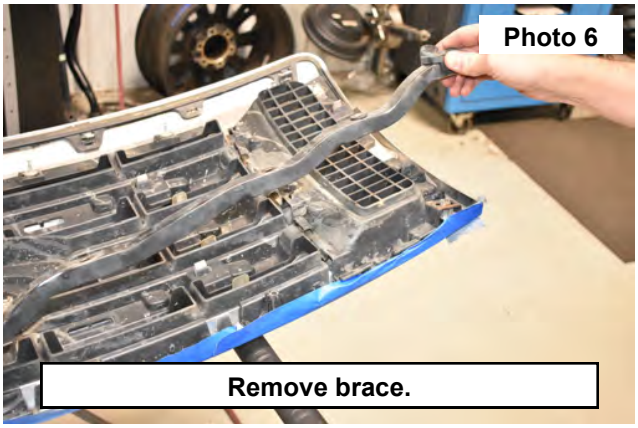
5. Place painters tape across the edge of the grille, on the hood, to protect the paint.
6. Carefully unseat the 5 clips at the top of the grille, using an auto trim puller. **See Photo 3. Use care not to break grille or the clips off of the grille.**
7. Remove grille from the vehicle, place grille in a safe location for modification. **See Photo 4.**



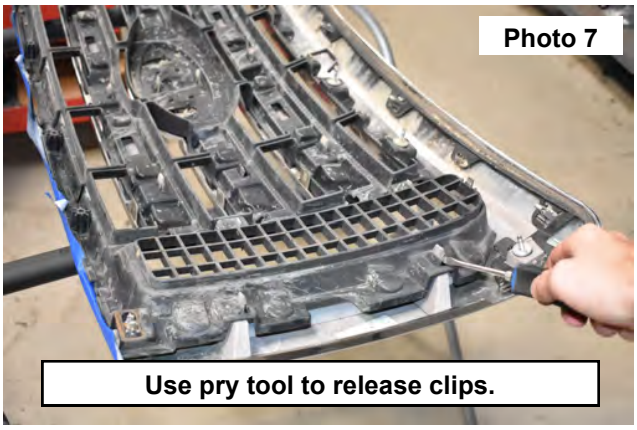


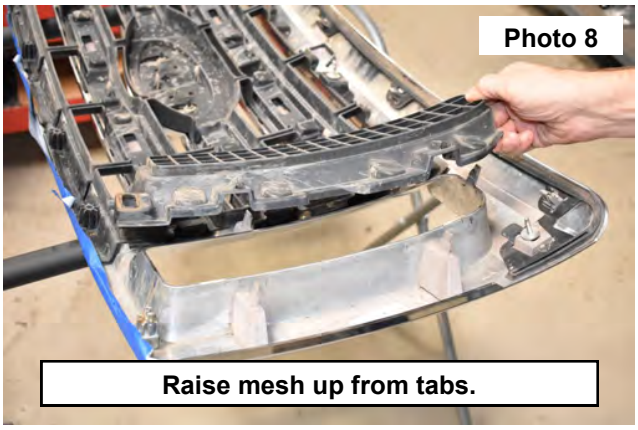
8. Remove the 6 bolts in the bottom grille brace, use a T25 torx. **See Photo 5 and 6.** Save the bolts and brace for later use.



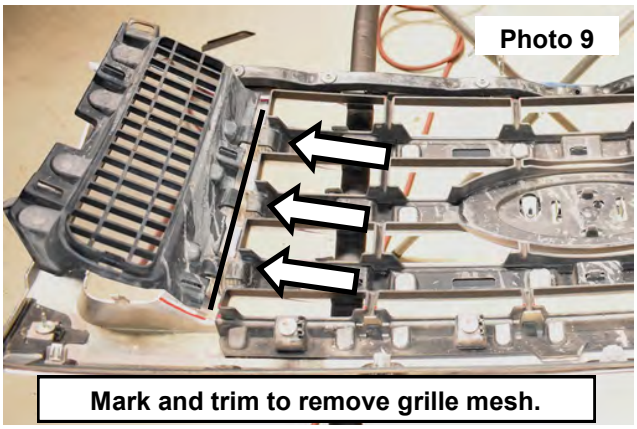


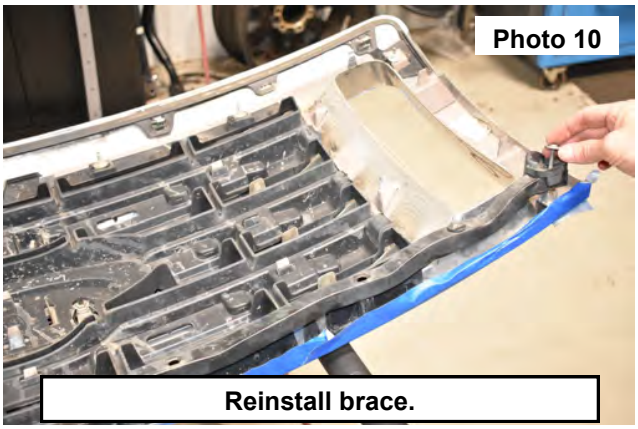
9. Release the 2 plastic clips holding the black grille mesh down to the outer grille shell, use an auto pry tool to release clips. **See Photo 7 and 8.**



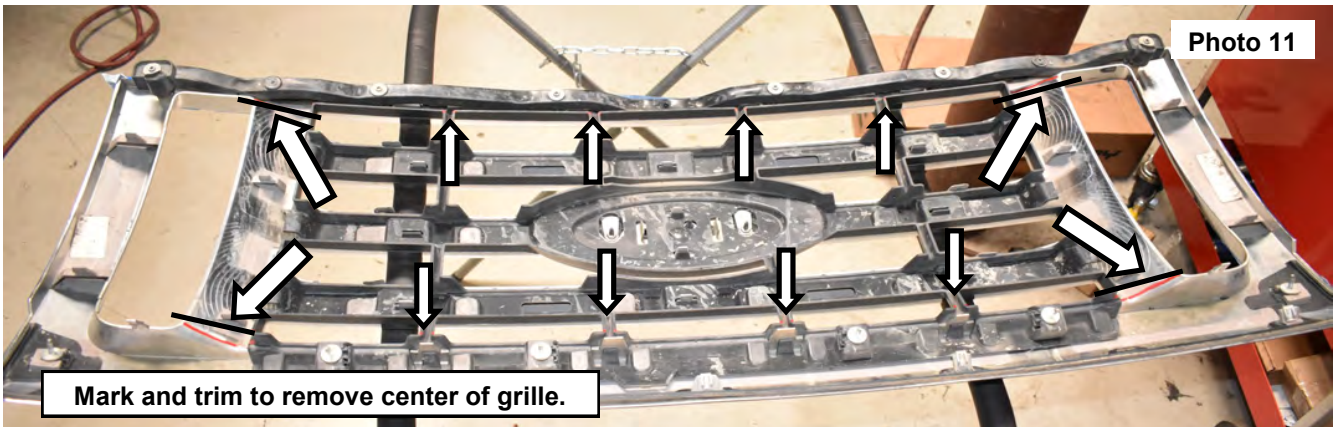


10. Locate the 3 tabs holding the grille mesh to the inner structure of the grille, using a cutoff wheel or reciprocating saw, cut the outer mesh away from the inner structure. **See Photo 9.**
11. Reinstall the brace at the bottom of the grille, use the 6 removed bolts, tighten using a T25 torx. **See Photo 10.**

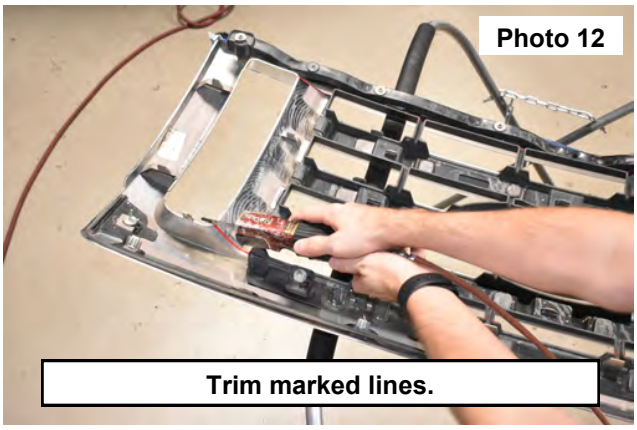


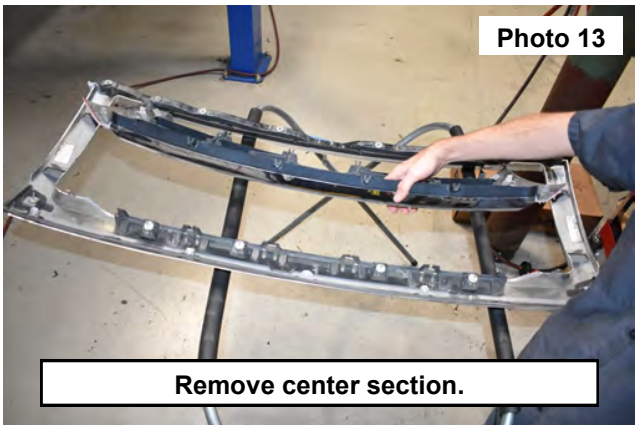


12. Use the arrows as a reference to the cuts that will be made on the grille to remove the center section of the grille. **See Photo 11.**
13. Each part of the inner structure will need to be cut flush with the grille shell.

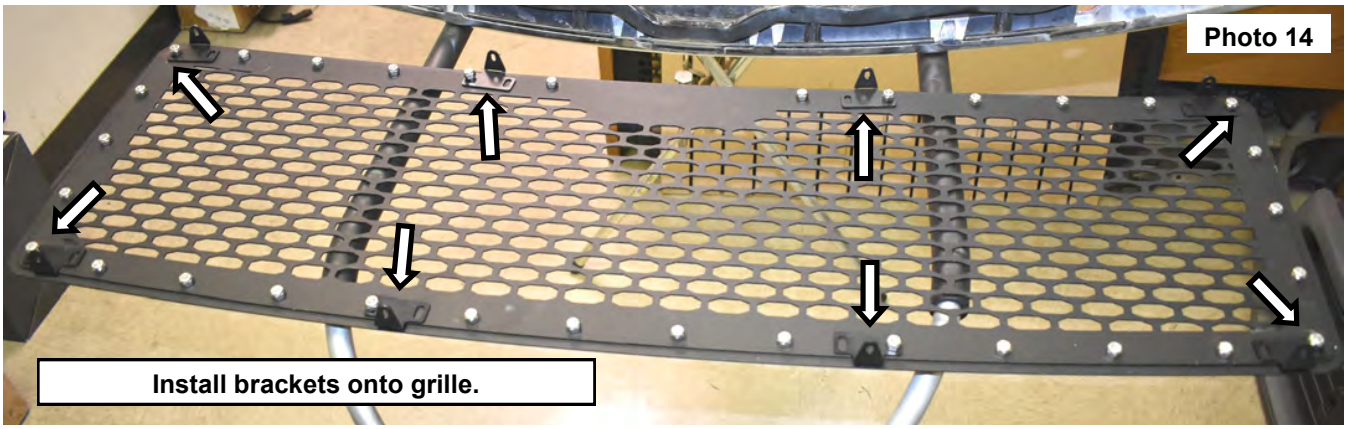


14. Using a cutoff wheel or reciprocating saw, cut the grille from the grille shell. **See Photo 12.**
15. Remove the inner structure from the grille shell. **See Photo 13.**

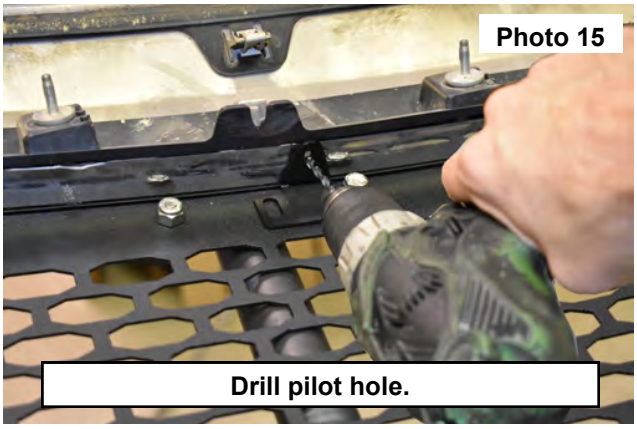




16. Assemble the grille mesh onto the outer grille trim.
17. Place the 8 brackets onto the grille mesh, use the 1st and 5th hole on the grille from the right and left side. Secure with the 1/4-20x5/8 bolt and 1/4/-20 nut. **Do not tighten at this time. See Photo 14.**
18. Install the (24) 1/4/-20x1/2 bolt and 1/4-20 nuts in the grille mesh and trim in the holes with out brackets.

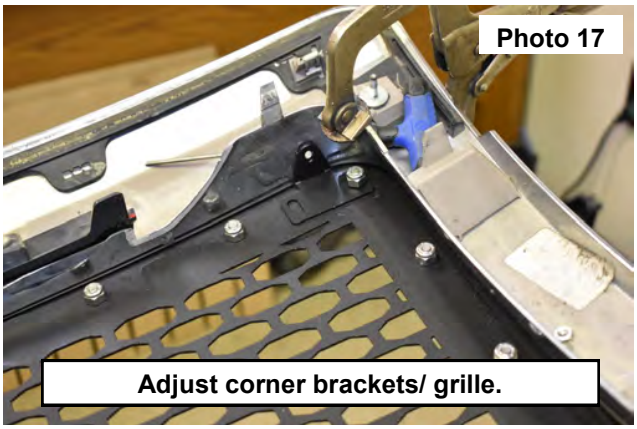


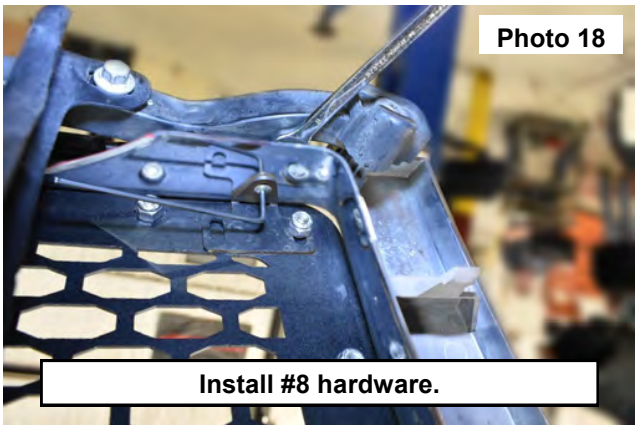
19. Install the grille shell onto the mesh grille, Center the mesh grille in the shell.
20. Attach the center 2 upper and lower grille brackets to the factory grille using the supplied #8 x 3/4" self tapping screws and a Phillips screwdriver. It may be necessary to drill a 3/32" pilot hole. **See Photo 15 and 16. You may have to bend the mesh grille to follow the lines of the factory grille trim, as the mesh grille is shipped as flat pieces.**



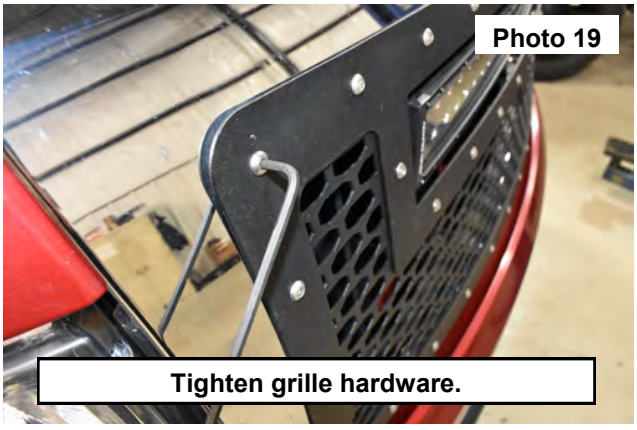


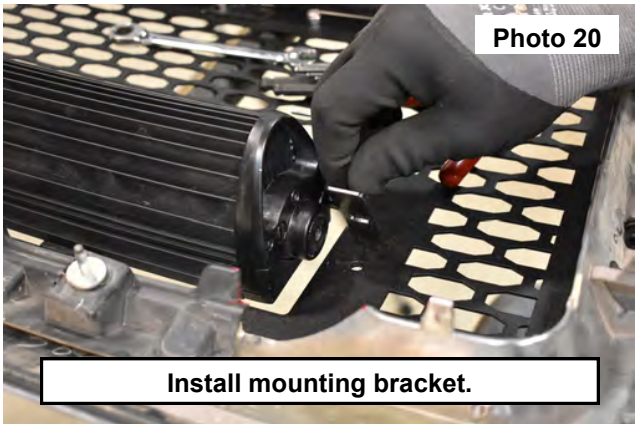
21. **<u>Notice: It may be necessary to use a clamp to get the edge of the grille into position and flat against the factory grill</u>**, apply painters tape to the grille surface were the clamp will be to prevent damage to the powder coat. **See Photo 17.**
22. Making sure the grill is flush against the grill and using the 4 corner upper mounting brackets as a guide, drill the mounting holes using an 11/64" drill.
23. Attach the mounting brackets to the factory grille using the supplied #8 x 1/2" bolts and nuts. Tighten using a 3/32" Allen and an 11/32" socket/wrench. **See Photo 18.**



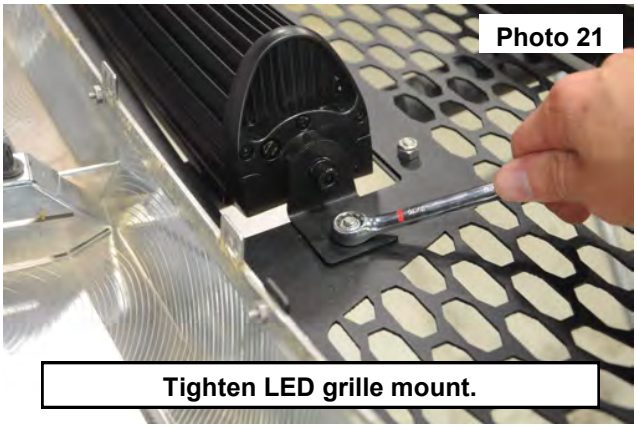


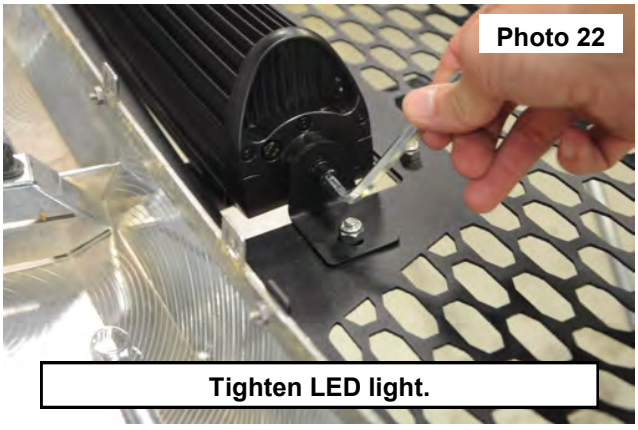
24. Tighten the 1/4/-20 x1/2" bolt and the 1/4/-20 x5/8 bolt using a 5/32 allen wrench, use a 7/16 wrench on the 1/4-20 nuts. **Turn the nut only, do not turn the head of the bolt. See Photo 19.**
25. **If not installing a light bar skip to step 28.** Installing the 30" curved light bar in the grille, place the mounting brackets, supplied with the grille, onto the side of the light. **See Photo 20.**





26. Install the 1/4-20 x 5/8 bolt and nut into he grille and bracket, install the bolt kit supplied with the light. Tighten the hardware in the grille, using a 5/32 allen wrench and 7/16 wrench. **Turn the nut only, do not turn the head of the bolt. See Photo 21.**
27. Tighten the LED light bar using the supplied tools in the light bar bolt kit. **See Photo 22. Turn the nut only, do not turn the head of the bolt.**



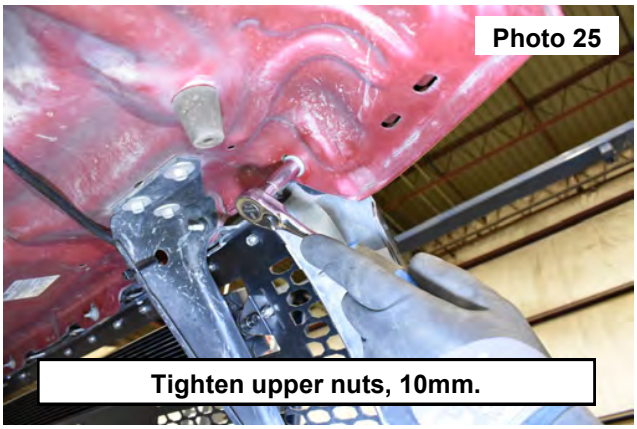


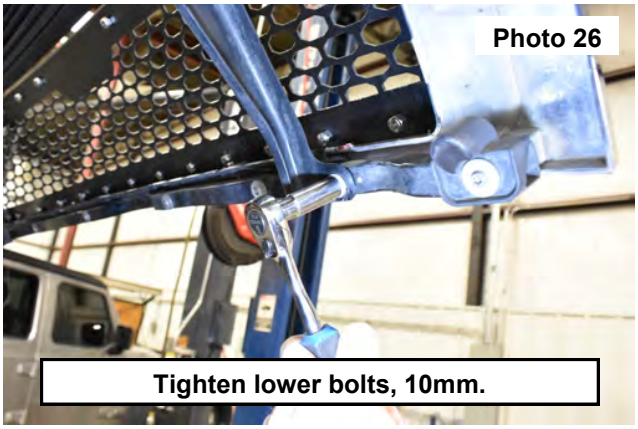
28. Install the assembled grille in the vehicle, place the studs at the top of the grille in there correct mounting hole ,use care clipping the clips into the top of the hood. **See Photos 23 and 24.**





29. Install the removed nuts at the top of the hood securing the grille into place, tighten using a 10mm socket. **See Photo 25.**
30. Install the 2 removed bolts in the bottom of the grille, use a 10mm socket to tighten. **See Photo 26.**





31. Wire the light according to the instructions supplied with the LED light.
32. Remove the painters tape from the hood of the vehicle.
33. Close the hood, check the angle for the desired look of the LED light, adjust with the supplied tool in the bolt kit. **See Photo 27.**

