TRAIL FORTRESS

BUILT FOR THE TRAIL. CHECKED FOR YOUR TRUCK.

Rough Country 70191 Installation Instructions

No-Drill Mesh Grille for Ford F-150 (2015–2017)

Part number: 70191

trailfortress.com/no-drill-mesh-grille-ford-f150-rough-country-70191

Scan for fitment, price and install help

921701910A

ROUGH COUNTRY SUSPENSION SYSTEMS®

FORD 2015-17 F150 Mesh Grille

Thank you for choosing Rough Country for all your lighting needs.

NOTICE 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 the design, function, and correct use of our products.

NOTICE Only fits **2015-17 F150** models.

Tools Needed:

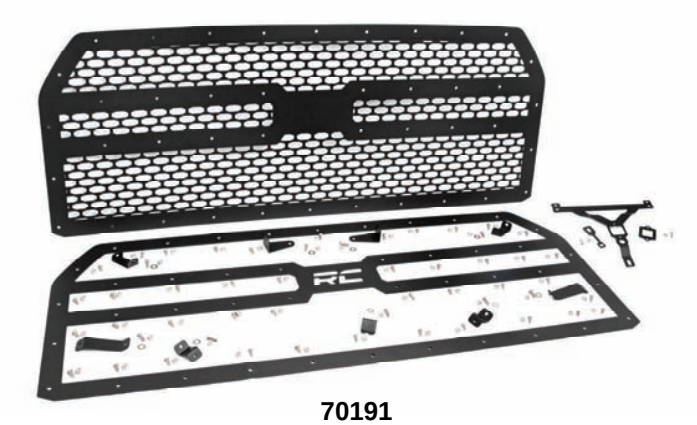
7mm Socket
10mm Socket/Wrench
Flat Screwdriver
7/16” Socket
7/16” Wrench
5/32” Allen Wrench
1/8” Allen Wrench
Ratchet
Tape

70191 Kit Contents

(1) Grille Trim Ring
(1) Mesh Grille
(1) Instructions
(1) Upper Dr Side Mounting Bracket
(1) Upper Pass Side Mounting Bracket
(2) Upper Center Mounting Brackets
(2) Lower Outer Mounting Brackets
(3) Lower Center Mounting Brackets
(1) Camera Mounting Bracket
(1) Camera Mount
(1) Camera Washer Mount
(1) 70191BAG
- (9) 1/4” x 5/8” Button Head Allen Bolts
- (33) 1/4” x 1/2” Button Head Allen Bolts
- (9) 1/4” x 3/4” Button Head Allen Bolts
- (51) 1/4” Lock Nuts
- (9) 1/4” Flat Washers
- (2) #10 x 5/8” Button Head Allen Bolts
- (2) #10 Lock Nuts

70193 Kit Contents

(1) Grille Trim Ring
(1) Mesh Grille
(2) Light Mounting Brackets
(1) Instructions
(1) Upper Dr Side Mounting Bracket
(1) Upper Pass Side Mounting Bracket
(2) Upper Center Mounting Brackets
(2) Lower Outer Mounting Brackets
(3) Lower Center Mounting Brackets
(1) Camera Mounting Bracket
(1) Camera Mount
(1) Camera Washer Mount
(1) 70192BAG
- (16) 1/4” x 5/8” Button Head Allen Bolts
- (32) 1/4” x 1/2” Button Head Allen Bolts
- (9) 1/4” x 3/4” Button Head Allen Bolts
- (50) 1/4” Lock Nuts
- (9) 1/4” Flat Washers
- (2) #10 x 5/8” Button Head Allen Bolts
- (2) #10 Lock Nuts



70191



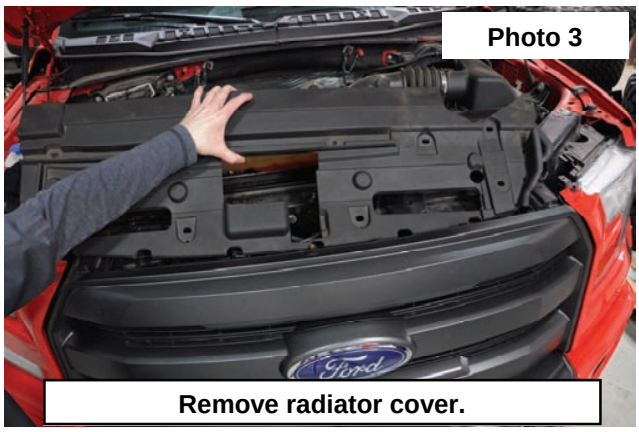
70193

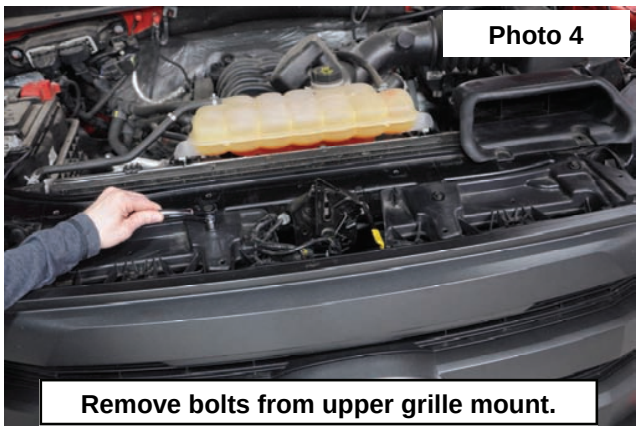
1. Park the vehicle on a smooth level surface.
2. Locate the (9) push pins in the radiator cover. **See Photo 1.**
3. Remove the push pins using a flat screwdriver or removal tool. Save for reuse **See Photo 2.**



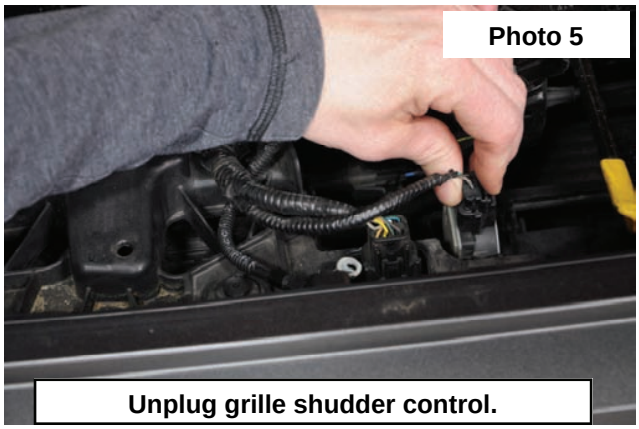


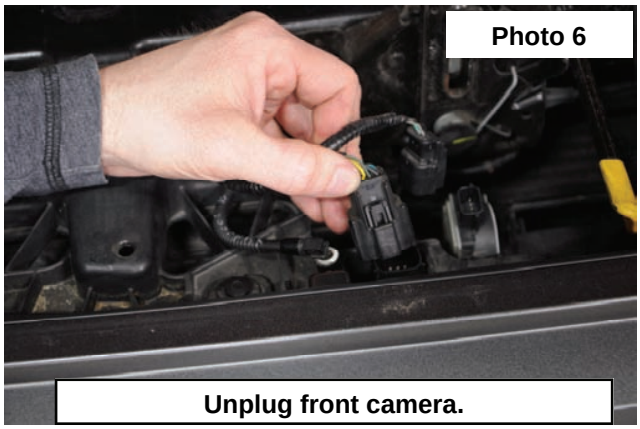
4. Remove the radiator cover and save for reuse. **See Photo 3.**
5. Using a 10mm socket, remove the bolts from the upper grille mounts and save for reuse. **See Photo 4.**





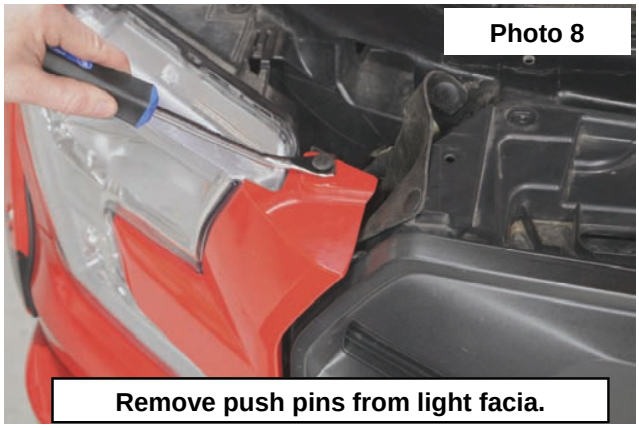
6. Unplug the grille shudder control if equipped. **See Photo 5.**
7. Unplug the front camera if equipped. **See Photo 6.**



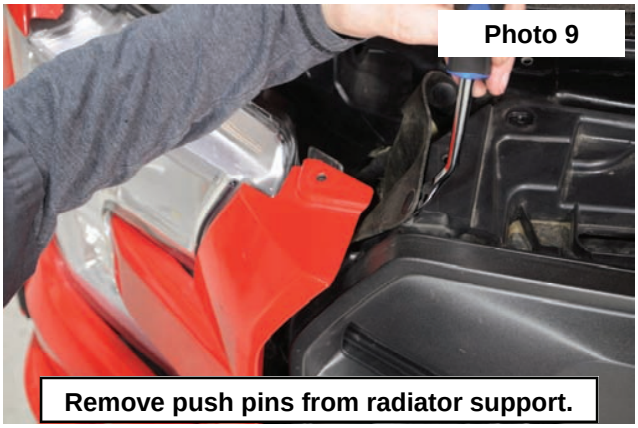


9. Gently pull camera washer hose out of the rubber grommet. **See Photo 7.**
10. Remove the push pins from the headlight facia. Save for reuse. **See Photo 8.**



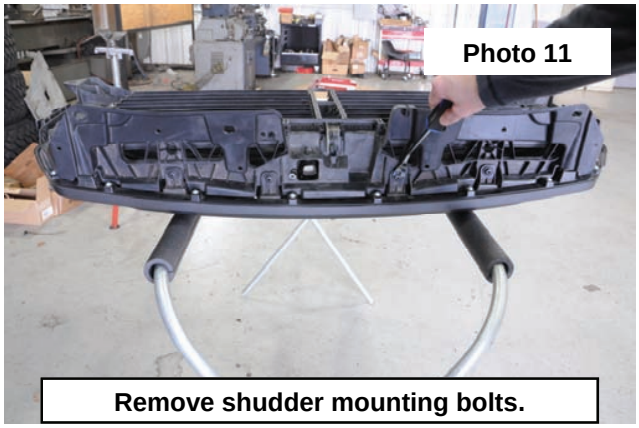


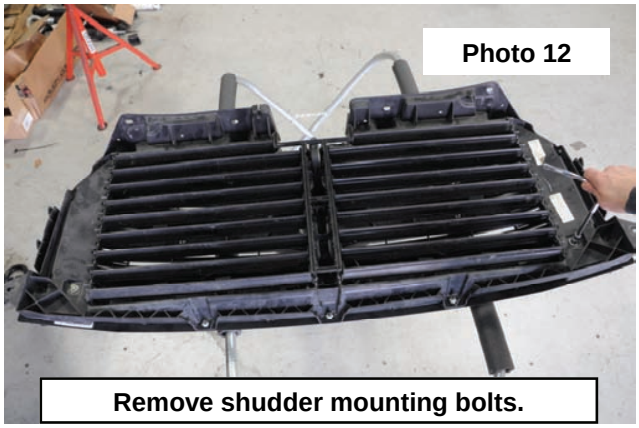
11. Remove the push pins from the side of the radiator support. Save for reuse. **See Photo 9.**
12. Using an 8mm socket, remove the grille side mounting bolts. Save for reuse. **See Photo 10.**





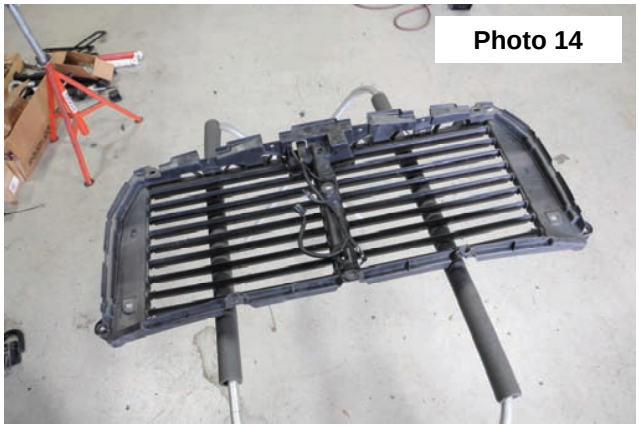
13. Lay grille assembly face down on a smooth clean surface. **See Photo 11.**
14. Using a 7mm socket and flat screwdriver, remove the shudder system bolts and (4) push pins from the grille. **See Photo 12.**





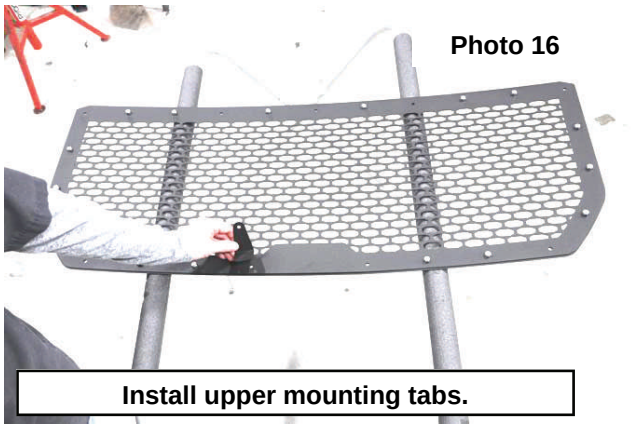
15. Remove the shudder system from the grille. **See Photo 13.**
16. Grille shell with shudder system removed. **See Photo 14.**



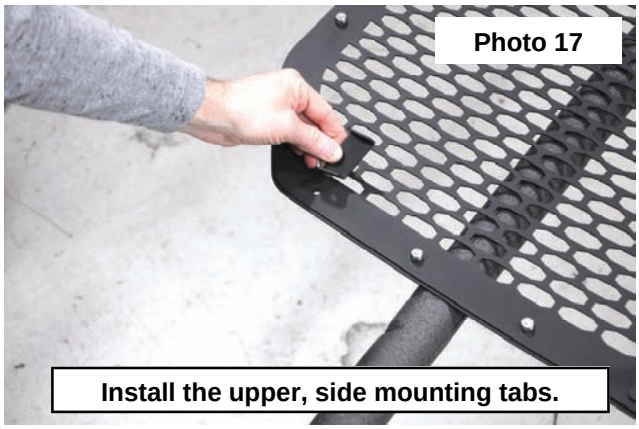


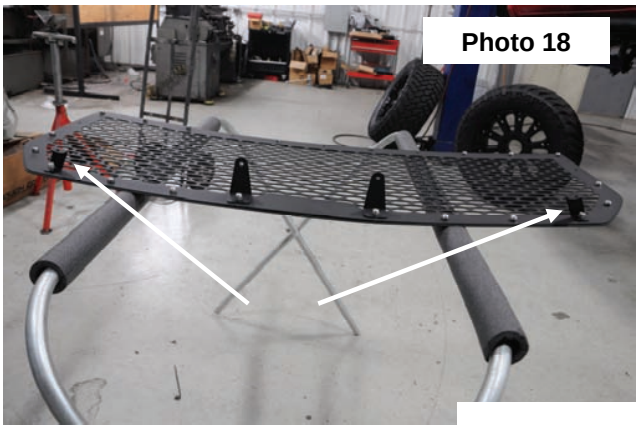
17. Lay the Rough Country grille trim ring face down and lay the mesh grille face down on top of the trim ring.
18. Attach the grille trim to the mesh using the supplied 1/4" x 1/2" bolts and nuts. Tighten using a 5/32" Allen and 7/16" socket/wrench. **Take caution to only rotate the nut while tightening. Do not put bolts in the (9) holes shown in Photo 15.**
19. Place the (2) upper center brackets on the grille assembly using the supplied 1/4" x 5/8" bolts and hardware. **Do not tighten at this time. Take caution to only rotate the nut while tightening. See Photo 16.**





20. Install the upper, side mounting brackets using the supplied 1/4" x 5/8" bolts and hardware. **The notch in the bracket will go to the top as pictured**. **See Photo 17.**
21. Assembled mesh grille with upper brackets. Notice the angle of the (2) upper, side brackets. **See Photo 18.**

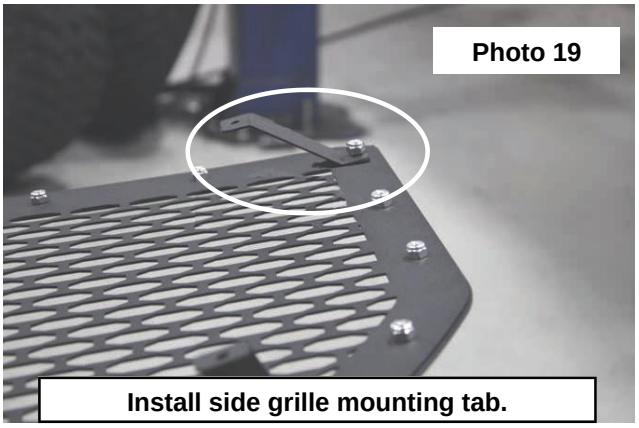




22. Install the side mounting brackets using the supplied 1/4” x 5/8” bolts, nuts, and washers. **See Photo 19.**
23. If installing grille with 30” light bar, install and wire light according to included instructions, at this time. Attach the light brackets to the mesh grille using (2) 1/4” x 5/8” bolts and nuts.

If truck is not equipped with factory front camera skip to step 35.

24. Remove the camera mount from the factory grille using a 7mm socket. **See Photo 20.**

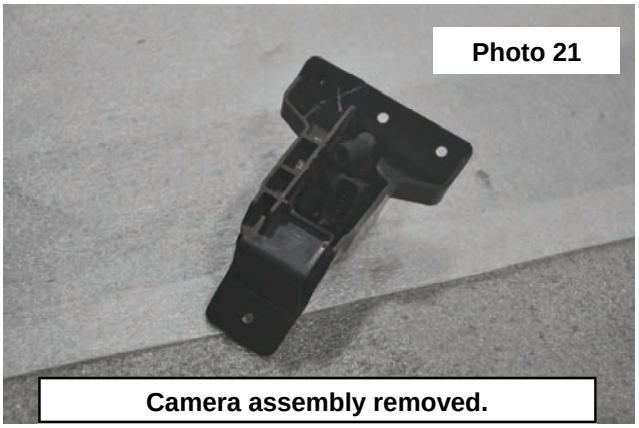


Install side grille mounting tab.

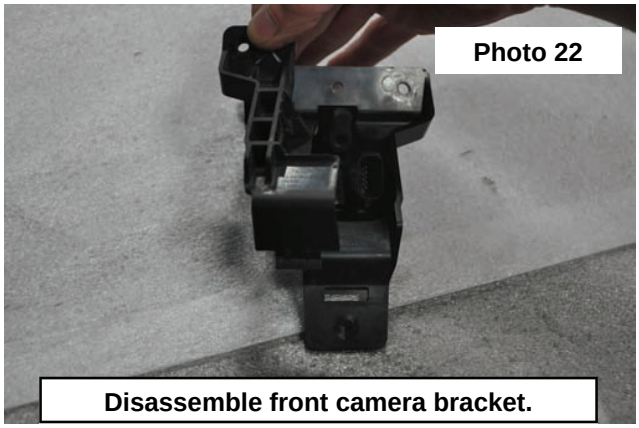


Remove front camera assembly.

25. Camera mount removed from grille. **See Photo 21.**
26. Gently unsnap the camera mounting brackets. **See Photo 22.**

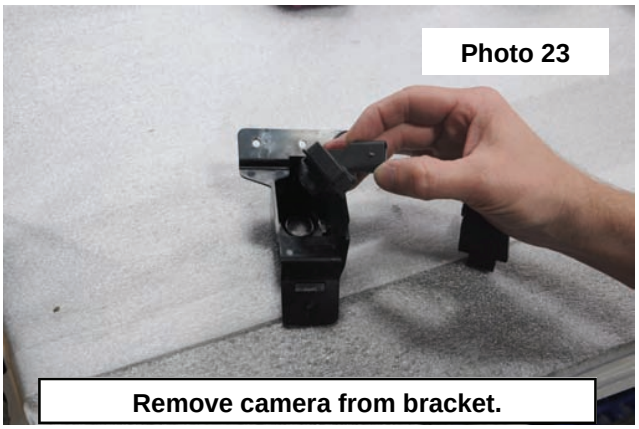


Camera assembly removed.

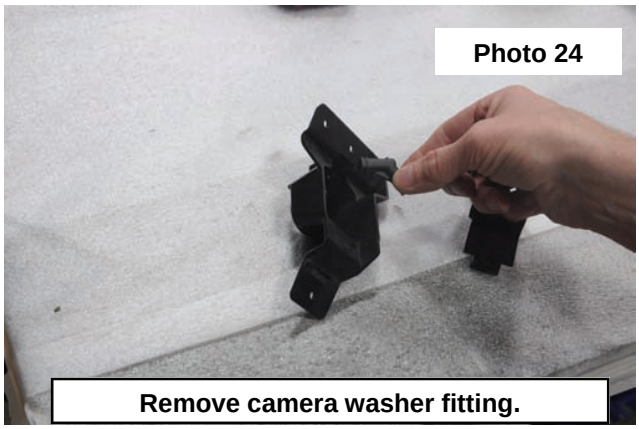


Disassemble front camera bracket.

27. Remove the camera from the mounting bracket. **See Photo 23.**
28. Remove the camera washer fitting from the mounting bracket. **See Photo 24.**



Remove camera from bracket.



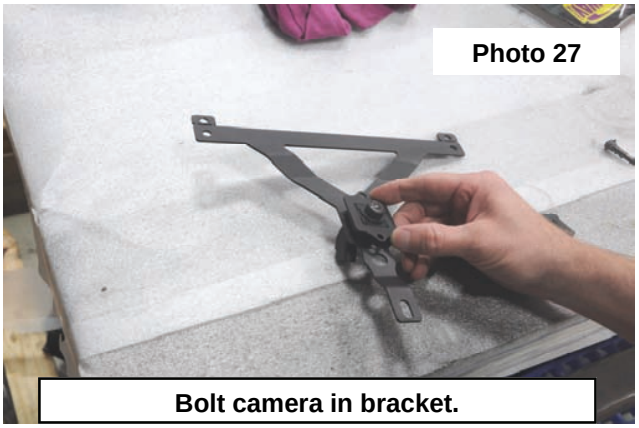
Remove camera washer fitting.

29. Remove the washer nozzle from the factory bracket. **See Photo 25**.
30. Install the camera into the Rough Country mounting bracket. **See Photo 26.**



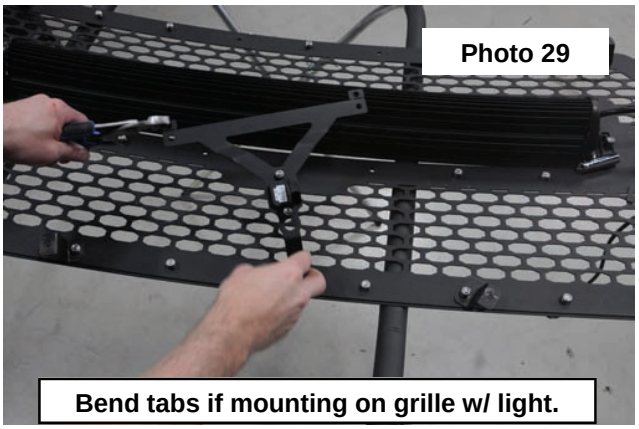


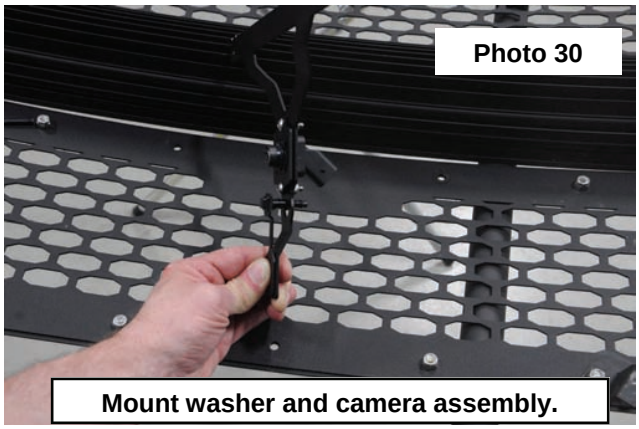
31. Place the outer camera bracket over the camera and secure using the supplied #10 x 5/8" bolts and hardware. Lightly Snug using a 5/16" wrench and 1/8" Allen. **Take caution to only rotate the nut while tightening. See Photo 27.**
32. Install the washer nozzle into the Rough Country nozzle bracket. **See Photo 28.**





33. If installing with a 30" light bar, bend the tabs up to clear the light. **See Photo 29.**
34. Place washer nozzle and bracket on the camera bracket. **See Photo 30.**





35. Attach the camera bracket and lower mounting brackets to the grille using 1/4” x 5/8” bolts and hardware. Tighten using 5/32” Allen and 7/16” wrench/socket. **Take caution to only rotate the nut while tightening. See Photo 31.**
36. Attach RC mesh grille to the shudder system using the supplied 1/4” x 3/4” bolts, washers, nuts and factory hardware. Tighten all hardware using a 5/32” Allen wrench, 7/16” wrench/socket and 7mm. **See Photos 32-34. 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. Take caution to only rotate the nut while tightening.**

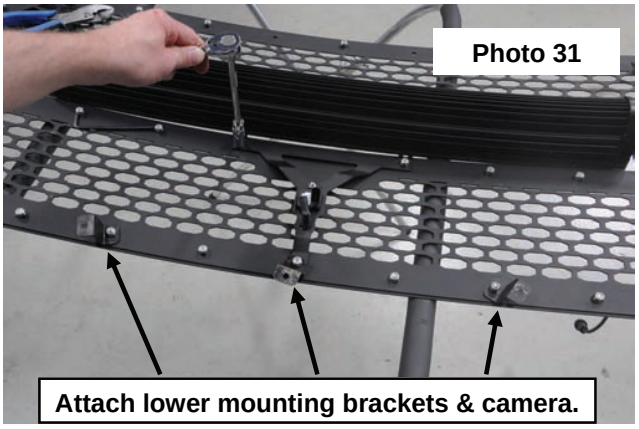


Photo 31
Attach lower mounting brackets & camera.

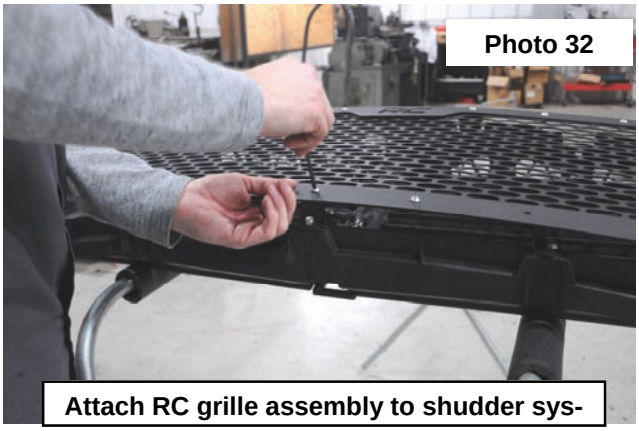


Photo 32
Attach RC grille assembly to shudder sys-

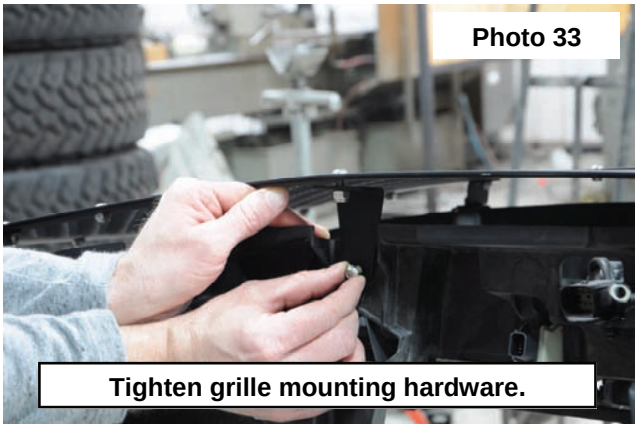


Photo 33
Tighten grille mounting hardware.


Photo 34
Install mesh grille assembly.

37. Install the grille assembly on the truck using the factory hardware. Tighten using 8mm and 10mm sockets. Install radiator cover and all push pins. **See Photo 35**


Photo 35
Install grille assembly on truck.





By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable , State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.