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Rough Country 70150 Installation Instructions

Mesh Grille for Ram 2500 & 3500 (2013–2018)

Part number: 70150

trailfortress.com/mesh-grille-ram-2500-3500-rough-country-70150

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

DODGE 2013-18 Ram 2500/3500 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 **2013-18 Ram 2500/3500** models.

Tools Needed:

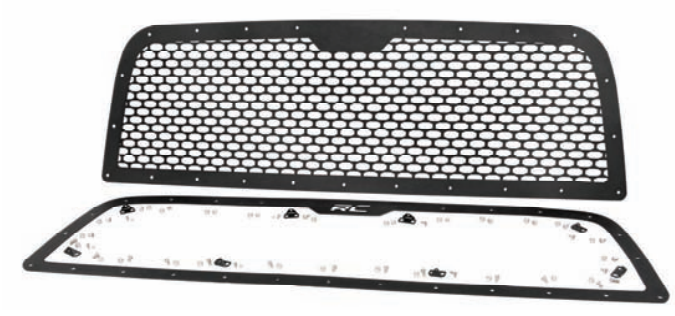
7mm Socket
10mm Socket/Wrench
Flat Screwdriver
11/32” Wrench
7/16” Socket
7/16” Wrench
3/32” Allen Wrench
5/32” Allen Wrench
11/64” & 9/32” Drill
Drill Motor
Ratchet
Tape

70150 Kit Contents

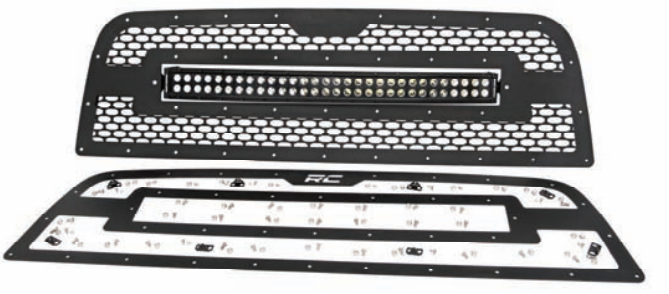
(1) Grille Trim Ring
(1) Mesh Grille
(1) Instructions
(6) Upper Mounting Brackets
(2) Lower Mounting Brackets
(1) 70150BAG
- (9) 1/4” x 5/8” Button Head Allen Bolts
- (14) 1/4” x 1/2” Button Head Allen Bolts
- (23) 1/4” Lock Nuts
- (1) 1/4” Flat Washers
- (8) #8 x 1/2” Button Head Allen Bolts
- (8) #8 Lock Nuts

70152 Kit Contents

(1) Grille Trim Ring
(1) Mesh Grille
(1) Instructions
(6) Upper Mounting Brackets
(2) Lower Mounting Brackets
(2) Light Mounting Brackets
(1) 30” Dual Row Curved Black Series LED
(1) 70152BAG
- (11) 1/4” x 5/8” Button Head Allen Bolts
- (28) 1/4” x 1/2” Button Head Allen Bolts
- (39) 1/4” Lock Nuts
- (1) 1/4” Flat Washers
- (8) #8 x 1/2” Button Head Allen Bolts
- (8) #8 Lock Nuts

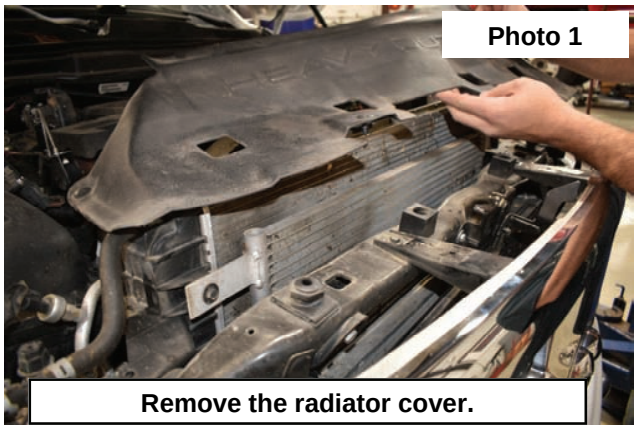


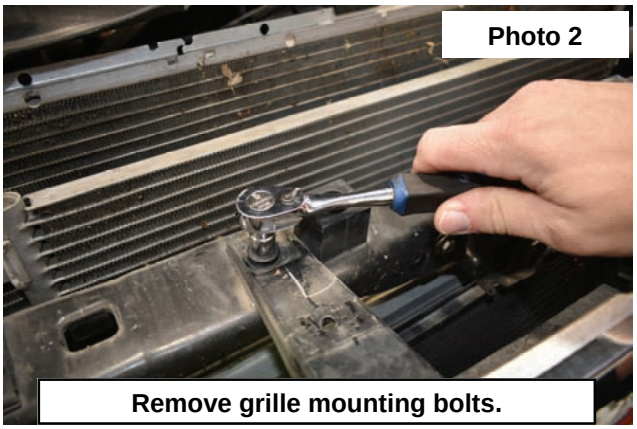
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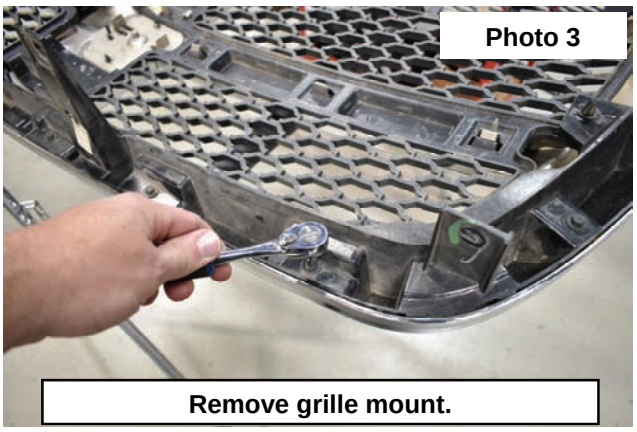
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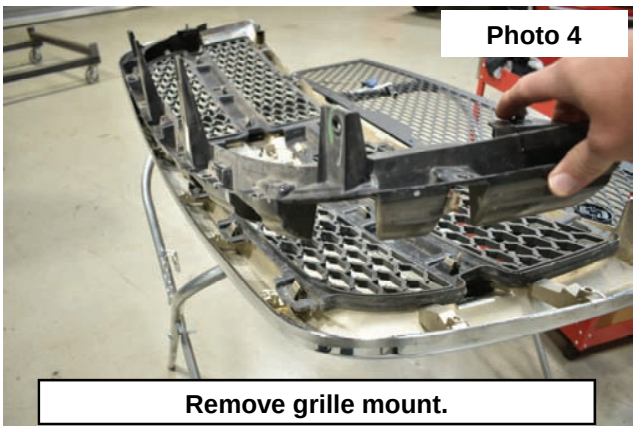
1. Park the vehicle on a smooth level surface.
2. Remove the radiator cover. Retain hardware for reuse. **See Photo 1.**
3. Using a 10mm socket, remove the grille mounting bolts and save for reuse. **See Photo 2.**





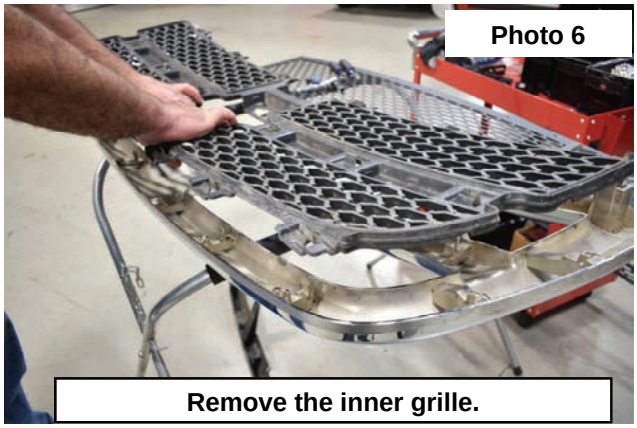
4. Lay the grille face down and remove the grille mount bolts, using a 10mm socket. Save for reuse. **See Photo 3.**
5. Remove the grille mount from the grille shell. **See Photo 4.**



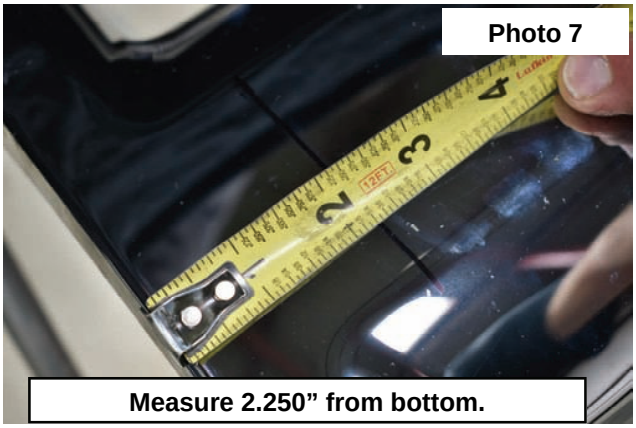


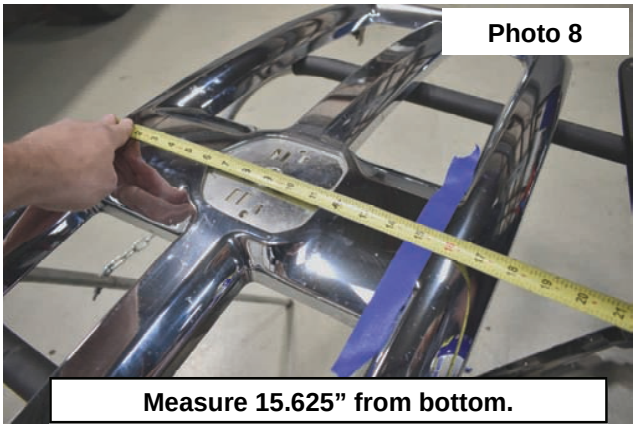
6. Unclip the inner mesh from the outer grille shell. **See Photo 5.**
7. Remove the inner mesh. **See Photo 6.**





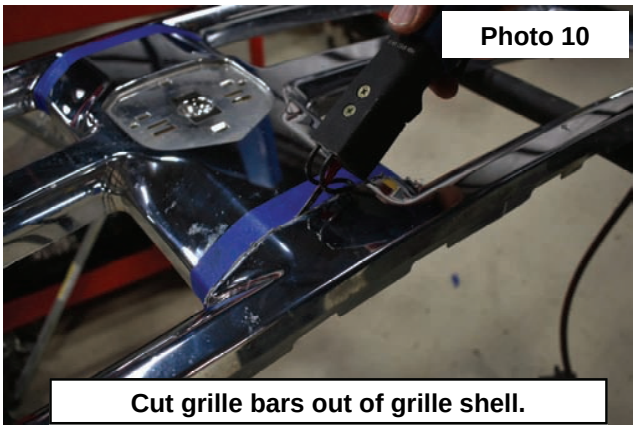
8. From the bottom of the grille, measure up 2.250” and mark the grille. **See Photo 7.**
9. From the bottom of the grille, measure up 15.625” and mark the grille. **See Photo 8.**





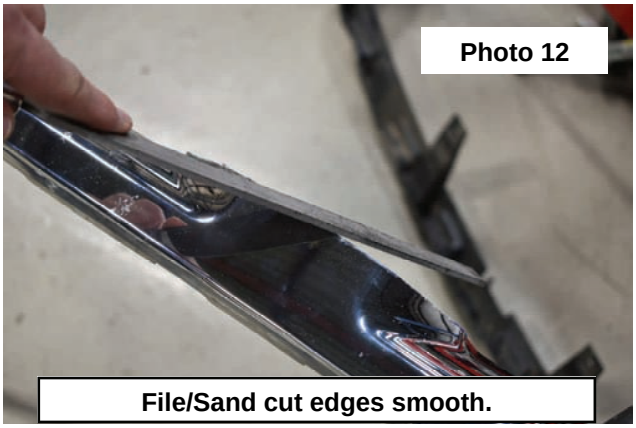
10. Using a reciprocating saw, cut the horizontal and vertical bars of the grille. **See Photos 9 & 10.**





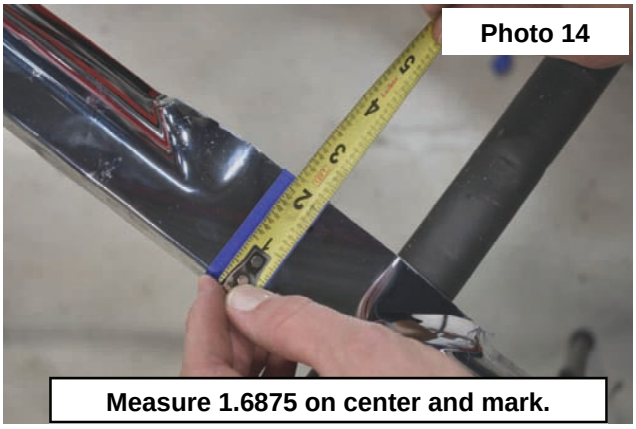
11. Remove the cut inside of the grille shell. **See Photo 11.**
12. Use a file or sandpaper to smooth the cut edges. **See Photo 12.**



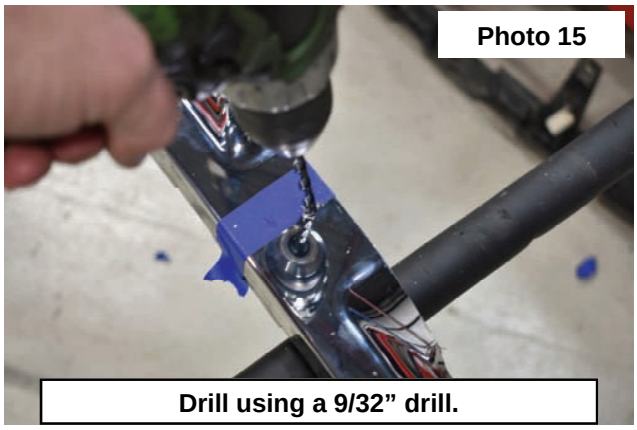


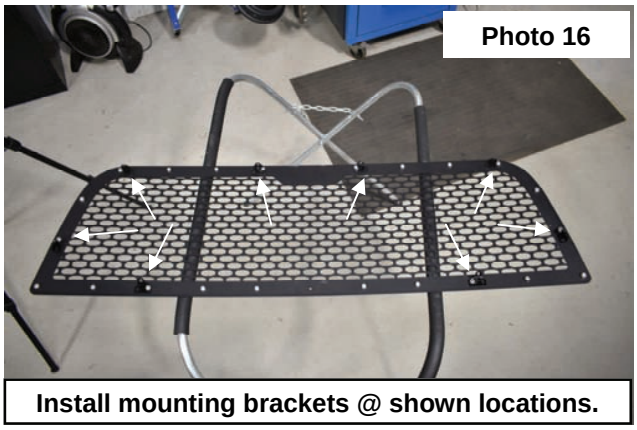
13. Make a mark in the center of the grille for a centering reference. **See Photo 13.**
14. On the bottom of the grille shell, measure up 1.6875” and mark on the centerline. **See Photo 14.**


Photo 13
Find center of grille shell and mark.

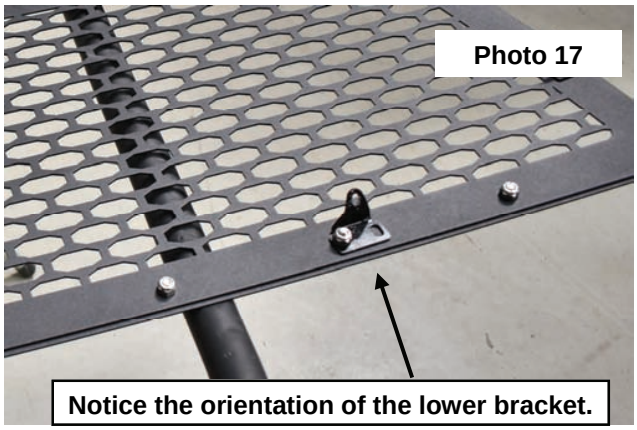

Photo 14
Measure 1.6875 on center and mark.

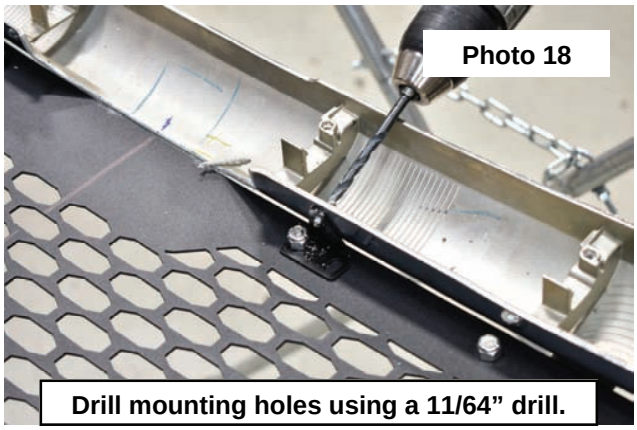
15. Drill on the mark from step 14, using a 9/32” drill. **See Photo 15.**
16. Attach the supplied mounting bracket to the supplied mesh grille and trim ring using the supplied (8) 1/4” x 5/8” bolts and nylock nuts. The 2 lower brackets have 2 bends in them and mount differently than the other brackets. **Do not tighten at this time. See Photo 16 & 17.**


Photo 15
Drill using a 9/32” drill.


Photo 16
Install mounting brackets @ shown locations.

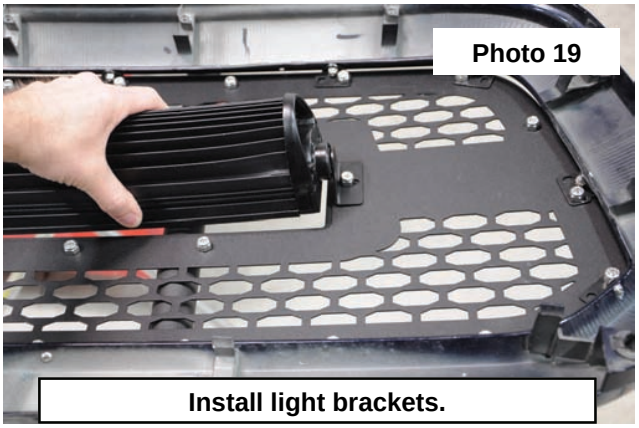
17. Use the (14) supplied 1/4” x 1/2” bolts and nylock nuts to attach the supplied grille trim to the supplied mesh grille, tighten using a 5/32” Allen and a 7/16” wrench/socket. **Leave the lower center hole open.**
18. Starting in the center and working toward the sides, use the bracket as a guide to drill 11/64” holes in the factory grille. **See Photo 18. 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.**

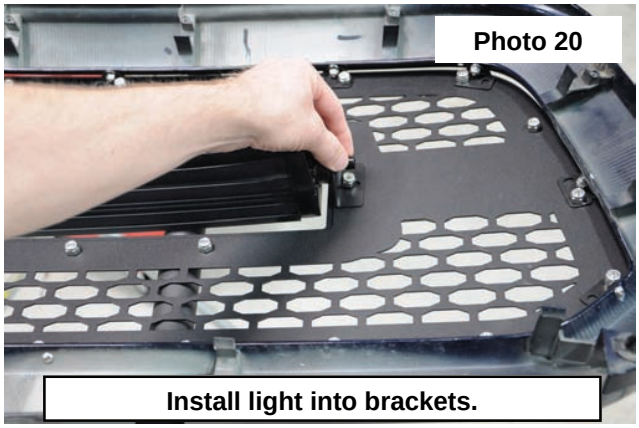

Photo 17
Notice the orientation of the lower bracket.


Photo 18
Drill mounting holes using a 11/64” drill.

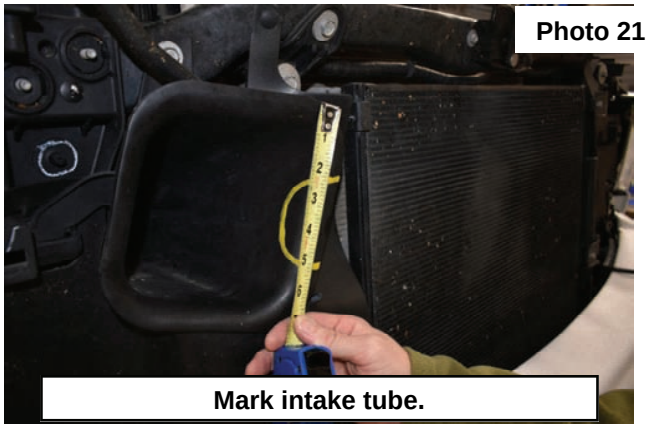
19. Attach the mesh grille to the shell using the supplied #8 x 1/2”. Position the grille and tighten using a 3/32” Allen and 11/32” wrench. Attach the lower center of the mesh grille to the factory grille shell using the supplied 1/4” x 5/8” bolt, supplied flat washer, and nut. Tighten the lower center mounting bolt and the mounting bracket bolts using a 5/32” Allen and 7/16” socket/wrench.

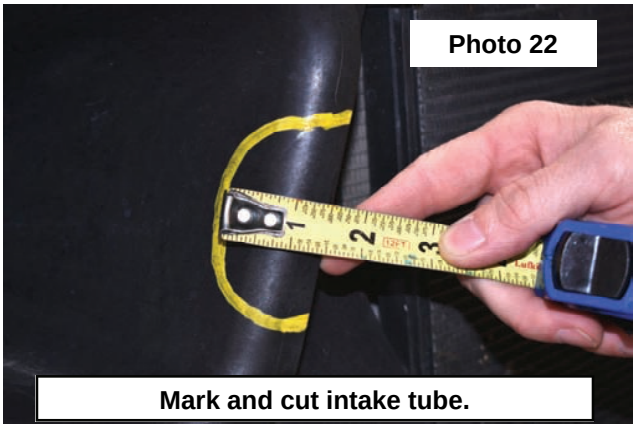
20. **If installing a mesh grille without a LED light, skip to step 26.**
21. Attach the light mount brackets **(supplied with the mesh grille)** to the mesh grille using the supplied 1/4” x 5/8” bolts and nuts. **Do not tighten. See Photo 19.**
22. Attach the light to the brackets using the supplied hardware. Tighten the brackets using a 5/32” Allen and 7/16” socket/wrench, and tighten the light using the supplied Allen. **See Photo 20.**





23. If equipped with intake tube behind the grille, measure down 2.5” and 5.250” and mark. **See Photo 21.**
24. Measure in 1.5” and connect the marks forming a C shape. Cut along the mark, using a reciprocating saw, to allow installation of the LED light. **See Photo 22.**





25. Wire the light according to the included instructions.
26. Install the grille mount using the factory hardware. Tighten using a 10mm socket. **See Photo 23.**
27. Install the grille assembly onto the truck using the factory hardware plugging the light into the light wiring harness if used. Tighten using a 10mm socket. **Photo 24.**
28. Install the radiator cover using the factory push pins.









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