



advanced FLOW engineering

Instruction Manual P/N: 79-21007L

Scorpion Grille

Make: Ram Model: 1500 Year: 2019-2020



- Please read the entire instruction before proceeding.
- Ensure all components listed are present.
- Ensure you have all necessary tools before proceeding.
- Disconnect the negative battery terminal before proceeding.
- If you are missing any of the components, call customer support 951 493 7100

Label	Qty.	Description
A	1	aFe Scorpion Grille
B	1	20" Single Row LED
C	8	Brackets, "C"
D	2	Lock nut, 1/4"-20 Nylon
E	2	Washer, 1/4" Flat
F	8	Lock Nut, #10-32 Nylon
G	5	Nut, #10-32 Flange SS
H	5	Screw, #10-32 x 1/2" Button Head (black)
I	2	Bracket, LED #1
J	1	aFe Logo Back Plate
K	1	Power Harness
L	15	Ties, Cable

- Applications models vary. We recommend verifying fitment before beginning installation process.
- Images featured in the instruction documents may not always exactly match your grille.
- **This part fits on: (Ram 1500) Laramie, Big Horn, & Trademan models.**
- **This part does not fit: (Ram 1500) Sport, Rebel, Laramie Longhorn, Limited**





Note: Before you begin, use "Painter's Tape" to apply a protective guard around the work areas (fender and bumper valance). This will help protect the paint and finish of your vehicle.

1. Disconnect the negative battery terminal.
2. Locate twelve (12) plastic clips on top of plastic radiator cover. Carefully pry the pins out to remove and then set aside. Save all parts for reinstallation.
3. Remove the plastic radiator cover. Set it aside for reinstallation.



4. Remove the twelve (12) bolts that attach the factory grille assembly to the core support. Save for reinstallation.



Note: Use "Painter's Tape" to apply a protective guard around the work areas (fender and Front bumper fascia). This will help protect the paint and finish of your vehicle.

Note: It may be easier to remove the tire and the wheel well from the truck.

5. Remove the four (4) screws from the front of the wheel well on both sides of the vehicle.
6. Carefully pull the wheel well down far enough to expose the back side of the bumper and the inside of the fenders.



7. Remove the one (1) bolt located on the inside of the fender on both sides of the vehicle. The bolt connects the fender to the bumper fascia. Save for reinstallation.



Note: Use “Painter’s Tape” to apply a protective guard around the work areas (fender and Front bumper fascia). This will help protect the paint and finish of your vehicle.

8. Disconnect the four (4) clips for the wheel arch moldings. Squeeze the clip from inside the fender to get them to release easier.



Note: Please go slow and use extreme caution while performing the following steps.

Note: Use "Painter's Tape" to apply a protective guard around the work areas (fender and Front bumper fascia). This will help protect the paint and finish of your vehicle.

9. Using a plastic prying tool, carefully separate the front bumper fascia from the fender. After separating the fender from the bumper fascia, gently pull the bumper fascia and remove it from the headlight and the grille. Save for reinstallation.
10. Repeat Step 9 on the opposite side of the vehicle.



11. Remove three (3) bolts (on both sides of the vehicle) that retain the grille under the headlight. Save for reinstallation.

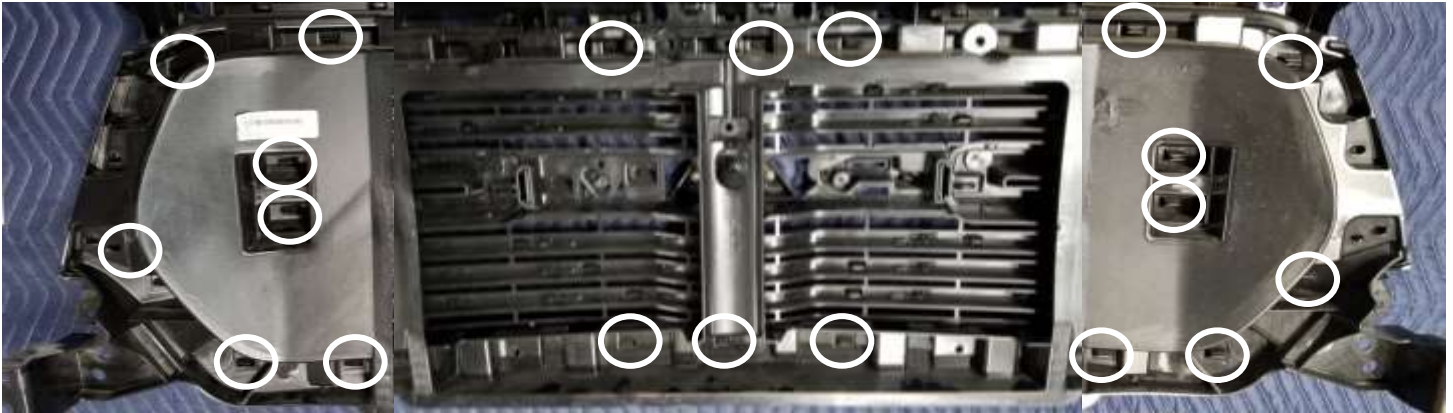


12. Lift the grille up off the headlight tabs and pull gently away from the truck. Remove the factory grille assembly from the vehicle.



Note: To prevent scratching painted parts use protective covering between the grille and a flat surface.

13. Remove the nine (9) bolts from the factory grille assembly and discard.



Note: To prevent scratching painted parts use protective covering between the grille and a flat surface.

14. Disconnect the clips that secure the factory outer grille to the factory inner grille. Remove the factory outer grille and discard. Save the inner grille for reinstallation.

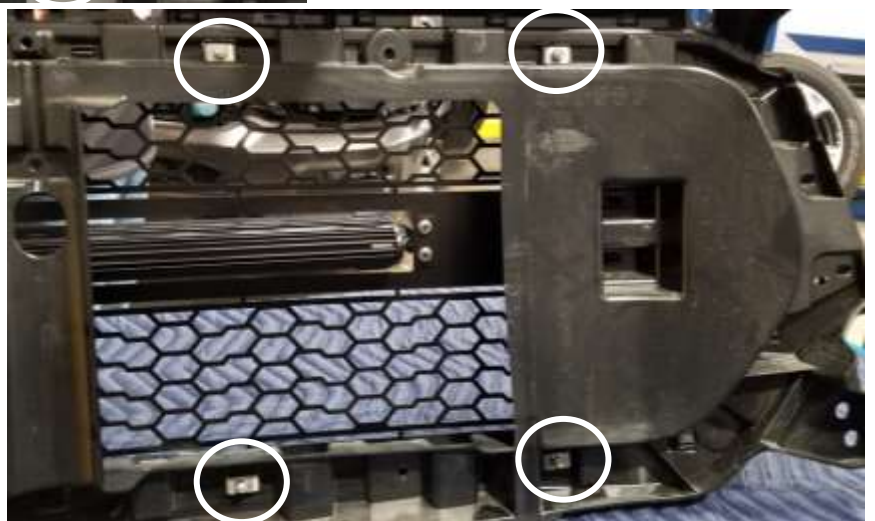
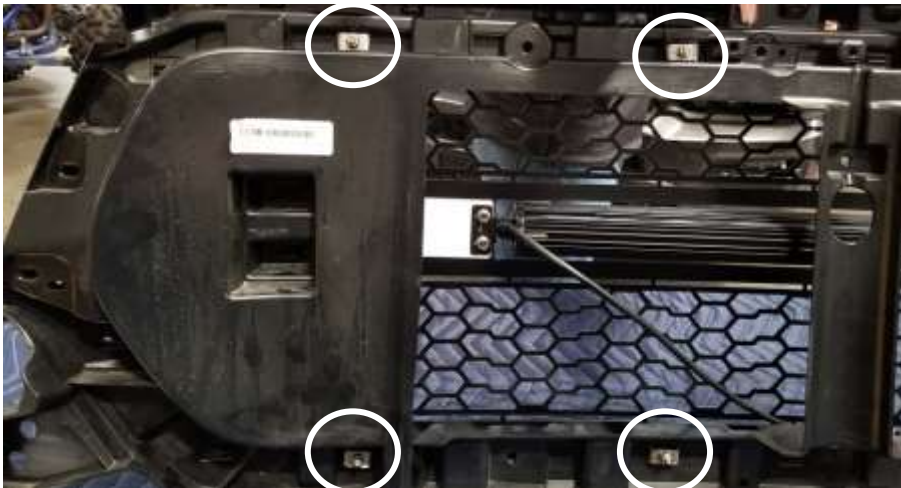


15. Remove and discard the two (2) nuts from the supplied 20" single row LED light.



Note: Please read the instruction below prior to installation.

16. Locate the drilled hole furthest to the driver's side. Install one (1) supplied #10-32 x 1/2" button head screw (black) thru the front of the aFe Scorpion grille. Turn the aFe Scorpion grille over and install the aFe logo back plate onto the #10-32 x 1/2" button head screw (black). Install one (1) supplied #10-32 SS flange nut onto the #10-32 x 1/2" button head screw (black). Snug the #10-32 flange nut up but do not tighten.
17. Install the supplied 20" single row LED light through the front of the aFe Scorpion grille. While holding the 20" single row LED light, install two (2) supplied #1 LED bar brackets (bracket feet point away from each other) from the back of the aFe Scorpion grille and onto the studs on the 20" single row LED light. Install the two (2) supplied 1/4" washers (black) and two (2) supplied 1/4"-20 nylon lock nuts (black) onto the light. Do not tighten. From the front, install four (4) #10-32 x 1/2" button head screws (black) through the aFe Scorpion grille. Turn the aFe Scorpion grille around and make sure that the driver's side #10-32 x 1/2" button head screws (black) pass thru the aFe logo back plate and thru the #1 LED bracket. The passenger side runs thru the #1 LED bracket only. Install four (4) #10-32 SS flange nut onto the #10-32 x 1/2" button head screws (black). Tighten the #1 LED brackets first. Then tighten the 20" single row LED light while centering it.



18. Install the factory inner grille onto the aFe Scorpion grille. The studs on the aFe Scorpion grille come through the open locations where the outer grille was clipped. Push the factory grille over the studs. Install the eight (8) supplied "C" brackets onto the studs. Install the eight (8) supplied #10-32 nylon lock nuts onto the studs. Before tightening the #10-32 nylon lock nuts, center the grille.



19. Before installing the aFe Scorpion grille, install the supplied power harness. The red wire goes on the positive battery terminal (+) and the black wire goes on the negative battery terminal (-). You will need to mount the switch inside the cab or to an available prewired switch. Use the (15) supplied 8" cable ties to secure the wiring loom to the vehicle.



20. Install the aFe Scorpion grille assembly onto the vehicle.
21. Plug the 20" Single Row LED light into the power harness.
22. Install the three (3) bolts removed in Step 11 (on both sides of the vehicle) that retain the grille under the headlight.



Note: Remove all the painter's tape prior to reinstalling the painted parts.

23. Reinstall the bumper fascia's removed in Step 10 (on both sides of the vehicle). Push the bumper fascia's in till they are clipped in securely into the aFe Scorpion grille assembly.



Note: Remove all the painter's tape prior to reinstalling the painted parts.

24. Reinstall the wheel arch moldings into the bumper fascia and the fenders (on both sides of the vehicle).



25. Reinstall the one (1) bolt located on the inside of the fender (on both sides of the vehicle) that was removed in Step 7 and tighten to factory specifications.



Note: If the wheel well and the tire was removed, reinstall the parts and tighten to factory specifications.

26. Reinstall the wheel wells back into their proper positions.
27. Reinstall the four (4) screws into the wheel well (on both sides of the vehicle) removed in Step 5 and tighten.



28. Reinstall the twelve (12) screws into the core support removed in Step 4 and tighten.



29. Reinstall the plastic radiator cover onto the truck.

30. Reinstall twelve (12) plastic clips on top of plastic radiator cover removed in Step 2.

31. Reconnect the negative battery terminal.



32. Remove all the painter's tape if any was applied.

33. Installation is now complete.



PLEASE CONSULT YOUR LOCAL AUTOMOTIVE ELECTRICAL PROFESSIONAL FOR INSTALLATION SERVICES AND ADVICE. aFe Power IS ONLY EQUIPPED TO PROVIDE BASIC TECHNICAL ASSISTANCE DUE TO THE DIVERSITY OF VEHICLES, VEHICLE OPTIONS & MODIFICATIONS AND LIGHTING.

CONFIGURATION OPTIONS AVAILABLE. aFe Power products cannot be held liable due to improper component installation and / or faulty wiring.

GENERAL GUIDELINES:

LED Lights & LED Light Bars operate at relatively high currents and should only be installed by qualified personnel with experience in switched / relayed high draw DC Circuits.

- Light Bars are designed for use only with standard 12v DC power systems
- Light Bars are for OFF-ROAD USE ONLY. Check your local laws & regulations regarding vehicle mounted lights.
- Some Light Bars are equipped with waterproof connectors while others are simply pig-tailed
- Red Wires = POSITIVE | Black Wires = NEGATIVE
- ALWAYS install your lights on a fused circuit. Basic fusing guidelines: maximum 5A for every 10" of LED Light Bar.

GENERAL USE, INSTALL AND ADJUSTMENT TIPS

NOTE 1: aFe Scorpion Grilles (with LED Light Bars installed), and LED Light Bars themselves are for OFF-ROAD USE ONLY.

NOTE 2: To adjust the angle of your light bars simply loosen the mounting hardware on either side of each Light Bar, rotate the Light Bar to adjust the angle, then tighten the hardware once the desired angle is achieved (please be careful not to over-tighten the mounting hardware or scratch the protective powder-coat finish). It is best to adjust the angle with the vehicle on level ground with the lights facing a wall, garage door or other solid barrier at approximately 25-30 feet.

NOTE 3: Please consult a qualified automotive electrical professional for light bar wiring installation.



GRILLE CARE INFORMATION

aFe Power Scorpion Grilles are the finest in the industry but do require normal care. Wash regularly as you would when caring for your vehicles. Never use dish soap.

GLOSS BLACK FINISH

aFe Power Scorpion Grilles with gloss black powder coated finish may be washed regularly as you would when caring for your vehicles finish using soap and water. aFe Power Scorpion Grilles should be waxed at the same time that you wax the vehicle. As a rule, anything you use to clean your vehicles painted surfaces can be used to clean and maintain your aFe Power Scorpion Grille. A gloss powder coated finish can be cared for in the same fashion that you would care for your vehicle's factory paint job. Never leave wet water spots as that may leave a blemish.

MATTE BLACK FINISH

Paint warranty applies to defects in material and / or workmanship, it does not cover the matte finish surface appearance. To enjoy the matte appearance for many years to come, please follow these owner care and maintenance tips. Get a no-shine matte car wash soap that uses no fillers, no silicone, and won't strip your matte paint of its layer of protection. Do not use wax, detail spray, armor all®, or any products made for normal paint. Use only products specifically developed for matte finish paint. Do not use products that are even mildly abrasive, such as polishes, glazes, or rubbing compounds. do not use mechanical cleaners or polishers. Do not use terrycloth, cloth, or paper towels. Do not rub the finish vigorously, this will burnish the paint finish, causing a permanent shiny spot. Shiny spots cannot be removed.

Do not use commercial car wash facilities or their shine enhancement products. Most car wash brushes, large mechanized "towels," and shine enhancement products can damage matte paint. Remove foreign substances such as insect remains, tar, and road debris using a soft applicator and a mild solvent; saturate and soak area before cleaning—rub lightly.

Hand-wash with a soft wash mitt and mild cleaning product safe for matte paint. Use microfiber cleaning cloths with alcohol-based window cleaner for basic surface clean-up.

aFe Scorpion Grilles product warranty:

aFe Power warrants its grille products to be free from defects in material and workmanship for the lifetime of the grille. aFe Power products warrants the finish of its grille products for a 3-year period beginning at the time of sale to the end user. These warranties are limited warranties and do not cover abuse, modification or improper installation nor do they cover finish failure caused by caustic cleaning agents, road salts or other chemicals. aFe Power reserves the right to repair or replace a defective product at its sole discretion. Any aFe Power product must be returned to aFe Power for warranty consideration and must be returned at the customer's expense. In the event that the product is deemed to be defective, the repaired or replaced item will be returned via a surface shipping method to the customer at aFe Power's expense. No provision is made for any labor, rental car or other costs incurred by the failure of its products.



advanced FLOW engineering, inc.

252 Granite Street Corona, CA 92879

TEL: 951.493.7100 • TECH: 951.493.7100 x23

E-Mail: Tech@aFepower.com