

T-REX

GRILLES



UPPER CLASS GRILLE

MAIN GRILLE - # 51480 / #54480

2016 DODGE CHARGER

PARTS INCLUDED

(1) Main Grille

Polished - Part #51480 OR
Black - Part #54480

HARDWARE INCLUDED

- (8) - 3/4" x 5/8" L Brackets
- (8) - #6-32 Nylon Nuts
- (8) - 3/16" x 1" x 1/32" Black Fender Washers
- (3) Push Nut Retainer Clips

TOOLS REQUIRED

- Socket Sets, Ratchets & Extensions
- Cut Off Wheel
- Pneumatic Sander
- Screw Driver Set
- Flash Light
- Pocket Knife

GRILLE INSTALLATION GUIDE

START HERE

PLEASE READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE INSTALLATION. Auto makers offer varied models to each vehicle and occasionally manufacture more than one body style of the same model. To assure your part is correct; our tech department can be contacted at tech@trexbillet.com to verify fitment and assist with technical questions. All other inquires can be directed to info@trexbillet.com. In the event you do not have internet access please call 1-800-287-5900.

* APPLICATION MODELS VARY. WE RECOMMEND TO VERIFY FITMENT BEFORE BEGINNING INSTALLATION PROCESS.
* IMAGES FEATURED IN THE INSTRUCTION DOCUMENTS MAY NOT ALWAYS EXACTLY MATCH YOUR GRILLE.

STEP 1 FRONT BUMPER REMOVAL

- 1) Turn off engine and chalk tires with stop block. Open Hood.

PRO TIP:

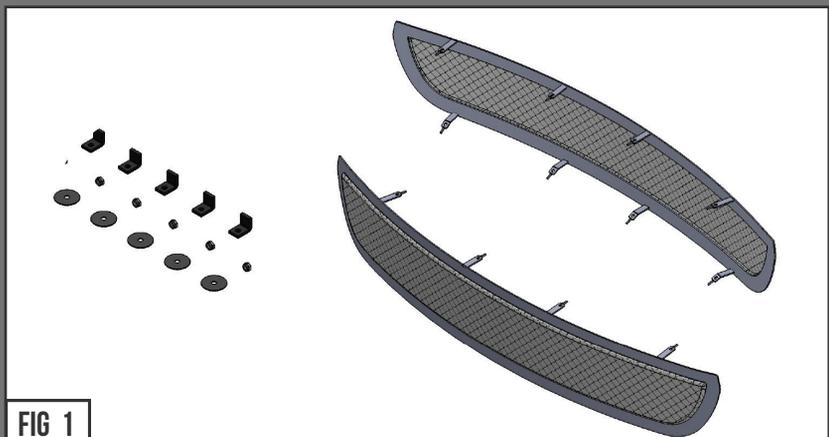
Before you begin, use "3M Painters Tape" to apply a protective guard around the work areas. Attend to the fender and bumper valance. This will help protect the paint and finish of your vehicle.

STEP 2

- 2) Begin by laying out the new T-REX Grille and provided hardware kit. This is a Grille Overlay installation, so it will be directly mounted onto and over your existing grille.

PRO TIP

This Grille may be installed as an Overlay / Insert. If Overlay Installation is used, it should be noted that any factory badging may be visible from behind when the grille is fully mounted. Be advised that you should consider blacking out the OE Components to camouflage, hide or obscure for a cleaner look. For a cleaner look, we recommend Grille be installed as an Insert.



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GRILLE OVERLAY - START

STEP 3

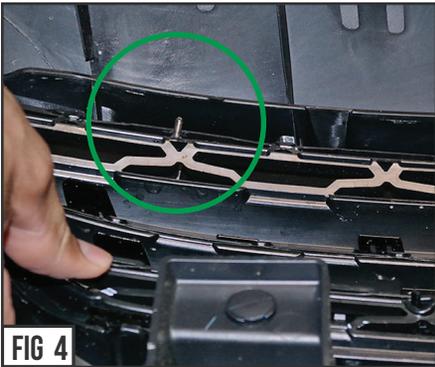
3) The following guidelines cover the steps for the Overlay Installation Method.



STEP 4

4) Put into place, and overlay the new T-REX Grille over the factory Grille Opening. Once properly fitted firmly press it in so that the T-REX Grille Mounting Points protrude through the OEM Grille Pattern.

5) From the backside behind the OEM Grille and under the Core Support, you will need to secure the Fender Washer and Nut with the provided hardware.



OVERLAY INSTALL - COMPLETE

GRILLE INSERT - START

The Insert Installation method requires full removal of the Vehicle's front bumper fascia. We recommend putting the car on a vehicle lift or jacking up the front end on some jack stands.

STEP 5

5) Begin by pulling loose the wheel well tub inner fender liner. You will have to remove the Plastic Push Pin Tabs and small screws.



GRILLE INSERT - CONTINUED

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GRILLE INSERT - CONTINUED

STEP 6

SEE FIGURES 12 - 14

6) Peel back the Fender liner to expose the bolt that fixes the Front Bumper Fascia to the Front Fender. Remove the bolt and repeat on opposite side.



STEP 7

SEE FIGURES 15 - 17

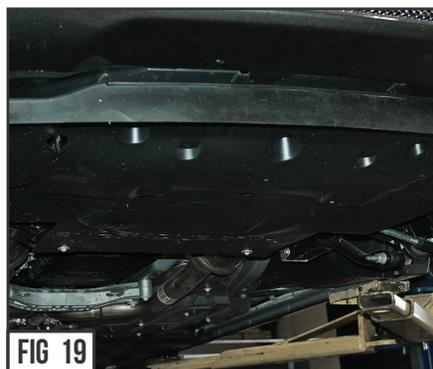
7) While your down in the area, pull and disconnect the Fog Lamp Wiring Looms as they will come off with the Bumper Fascia.



STEP 8

SEE FIGURES 18 - 20

8) From underneath, pull and remove all screws that fix the skid plate and also pull the plastic push tabs as seen in Figures 16 - 18.



GRILLE INSERT - CONTINUED

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GRILLE INSERT - CONTINUED

STEP 9

SEE FIGURES 21-23

9) From the top side, pull and remove all plastic push tabs. Finally there are two remaining bolts that are located on the very corner which fixes the Vehicle's Front Bumper Fascia to the Front Fenders as seen in Figure 21.



STEP 10

SEE FIGURES 24-26

10) The Front Bumper Fascia should now be detached and free to remove off of Vehicle Nose. Set the Front Bumper Fascia face down on a soft cushioned surface as seen in Figure #24.



STEP 11

SEE FIGURES 27-29

11) Locate and identify the Front Bumper Plastic Cavern Insert. Remove this piece and set aside for later use. You will need to pull the plastic push tabs and also a few screws as seen in Figures # 25 & 26.



GRILLE INSERT - CONTINUED

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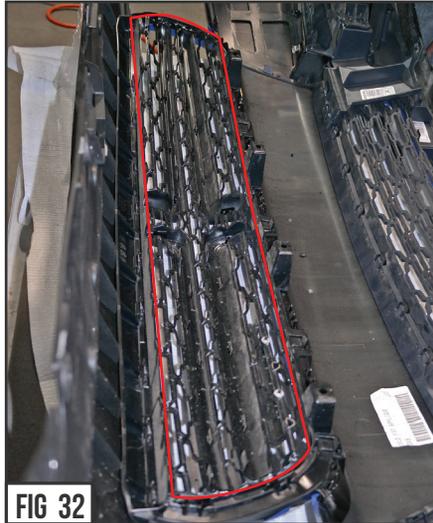
2016 DODGE CHARGER

GRILLE INSERT - CONTINUED

STEP 12

SEE FIGURES 30 - 34

12) At this point, locate and mark a cut line that will be made. See Figure #30 for the general cut pattern. Use a 90 degree cut off wheel and carefully make the cut as presented here.



STEP 13

SEE FIGURES 35 - 38

13) The idea is to cut out the OEM Grille pattern without compromising the exterior inner grille shell and any other vital mounting components See Figures #37 & 38. Pay careful attention when cutting away in the corners and it is advised to masking tape on all areas that are to be worked on.



STEP 14

SEE FIGURES 39 - 41

14) With the inner piece removed, you will want to use a sanding disc to sand down the rough edges and any remaining material that needs to be shaved down. A pneumatic sander will make quick work of the clean up job.



GRILLE INSERT - CONTINUED

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OPTIONAL BADGE INSTALL

STEP 15

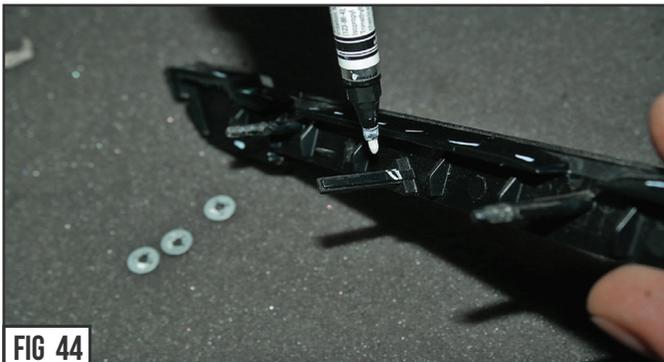
15) If you would like to feature the OEM Factory Badging on your vehicle, you will need to follow these next steps.



STEP 16

SEE FIGURES 42 - 43

16) Remove the OEM Badging from the Factory Grille by pressing the tabs through the plastic. Do no damage the mounts. You may consider marking the Badge along the top fold where this area will have material removed.



STEP 17

SEE FIGURES 44 - 45

17) Locate and Identify the middle post. This is to be cut off and removed.



STEP 18

SEE FIGURES 46 - 48

18) Shave down and remove the material so that you can get a nice flush mount over the T-REX Woven Wire Mesh Grille. Secure the badge down from the backside of the T-REX Grille's Woven Wire Mesh with the provided Push Nut Retainer Clips as seen in Figure #46.

BADGE INSTALL - COMPLETE

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GRILLE INSERT - CONTINUED

STEP 19

SEE FIGURE 49

19) Put into place the T-REX Grille Insert and center its position in the main grille opening. Once satisfied with the alignment, clamp grille into place.



FIG 49

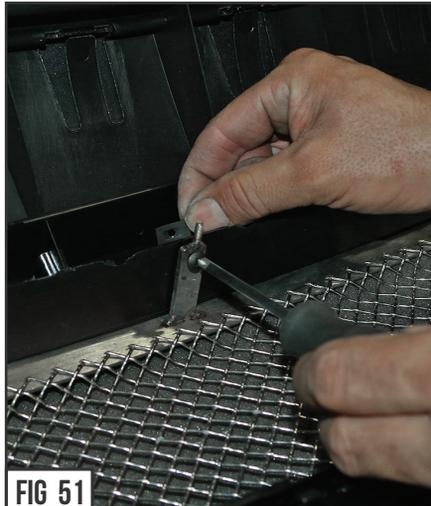


FIG 51



FIG 52

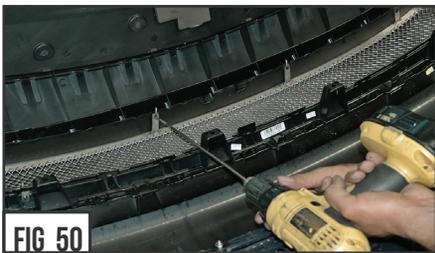


FIG 50



FIG 53

STEP 20

SEE FIGURES 50-53

20) Using the T-REX Grille Mounts pre-determined hole locations, drill a 1/8 Drill hole through the OEM Grille Shell component. Repeat this step for each T-REX Grille Mounting Tab.



FIG 54



FIG 55



FIG 56

STEP 21

SEE FIGURES 54 - 56

21) Put back into place the Front Bumper Plastic Cavern Insert that was removed during Step #10.

STEP 22

22) Reinstall the Vehicle's Front Bumper Fascia in the reverse order that was removed.

STEP 23

23) Before full install is complete and hardware is tightened, close the hood and carefully look over your work and inspect for proper alignment, equal gaps, and overall fitment..

GRILLE INSERT INSTALL COMPLETE

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INSPECT YOUR WORK



STEP 24

SEE FIGURES 57 - 59

24) Examine the gap alignments around all edges and in between the new T-REX Grille and the vehicle components and body lines. Carefully close the hood for a complete visual inspection. If adjustment is needed, you can remove grille and shift side to side or up & down to achieve proper look.



T-REX GRILLES PRODUCT WARRANTY

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T-REX Truck Products warrants its grille products to be free from defects in material and workmanship for the lifetime of the grille. T-REX Truck 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. T-REX Truck Products reserves the right to repair or replace a defective product at its sole discretion. Any T-REX product must be returned to T-REX 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 T-REX Truck Products expense. No provision is made for any labor, rental car or other costs incurred by the failure of its products.

LED LIGHTING EQUIPMENT INSTALLATION / DISCLAIMER

WARNING

PLEASE CONSULT YOUR LOCAL AUTOMOTIVE ELECTRICAL PROFESSIONAL FOR INSTALLATION SERVICES AND ADVICE. T-REX IS ONLY EQUIPPED TO PROVIDE BASIC TECHNICAL ASSISTANCE DUE TO THE DIVERSITY OF VEHICLES, VEHICLE OPTIONS & MODIFICATIONS AND LIGHTING CONFIGURATION OPTIONS AVAILABLE. T-REX Truck 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: T-REX Torch Series Grilles (with LED Light Bars installed), and LED Light Bars themselves are for OFF-ROAD USE ONLY.
NOTE 2: Light Bars in Torch Series Grilles are installed flush with the grille from the factory. This may or may not be the ideal angle for each light depending on the configuration of your vehicle and its options and/or modifications. 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 a distance of approximately 25-30 feet.
NOTE 3: Please consult a qualified automotive electrical professional for light bar wiring installation.
NOTE 4: An optional universal wiring harness (part# 639HAR1) is also available that includes high-heat & oil/fuel resistant wires, waterproof connector, 12v relay, 12v rocker switch, in-line fuse holder. Our universal wiring harness significantly expedites the installation process but is not a vehicles specific "Plug & Play" product and does not eliminate the need for a professional installation.

Please contact your local T-REX dealer for more information or visit www.trexillet.com.

GRILLE CARE INFORMATION

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T-REX grilles are finest in the industry but do require normal care. Wash regularly as you would when caring for your vehicles. Never use dish soap.

POLISHED FINISH

T-REX polished grilles should be waxed at the same time that you wax the vehicle and can be cleaned with soap and water. A polished finish can be cared for in the same fashion that would care for your vehicles factory chrome. 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, armorall®, 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.

GLOSS BLACK FINISH

T-REX Grilles with Gloss Black Powder Coated Finish may be washed regularly as you would when caring for your vehicles finish using soap and water. T-REX grilles should be waxed at the same time that you wax the vehicle. As a general rule, anything you use to clean your vehicles painted surfaces can be used to clean and maintain your T-REX grille. A Gloss powder Coated Finish can be cared for in the same fashion that you would care for your vehicles factory paint job. Never leave wet water spots as that may leave a blemish.