

T-REX

GRILLES



LASER BILLET MAIN GRILLE

MAIN GRILLE - W/ LOGO - #6216640 / # 6216641

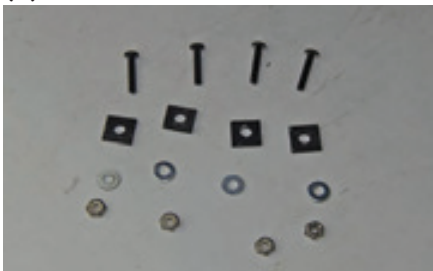
2016 FORD EXPLORER

PARTS INCLUDED

- (1) Laser Billet Grille - Main Polished - Part # 6216640 OR Black - Part # 6216641

HARDWARE INCLUDED

- (4) 6/32" x 3/4" Pan Screws
- (4) #6 Flat Washers
- (4) #6-32" Nylon Lock Nuts
- (4) 1/2" Spacers w/ 3/16" Hole
- (2) TRIM PANEL RETAINER CLIPS



TOOLS REQUIRED

- Screwdriver set (Flat Head)
- Socket Set
- Ratchet Tool
- 1/2" Plastic Spatula
- Pocket Knife

GRILLE REMOVAL & 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.

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

STEP 1

- 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.

PROFESSIONAL INSTALLATION RECOMMENDED - FOR PROPER GRILLE INSTALL THE FRONT BUMPER FASCIA WILL HAVE TO BE COMPLETELY REMOVED.

STEP 2

SEE FIGURES 1 & 2

- 2) The grill and front bumper fascia will come off together as 1 piece.

Begin by removing the top plastic shroud.

There are (7) 10mm bolts up top along with 2 push pin type retainers under the hood.



FIG 1



FIG 2

LASER BILLET MAIN GRILLE

BUMPER FASCIA - CONTINUED

MAIN GRILLE - W/ LOGO - #6216640 / # 6216641 2016 FORD EXPLORER



FIG 3



FIG 4

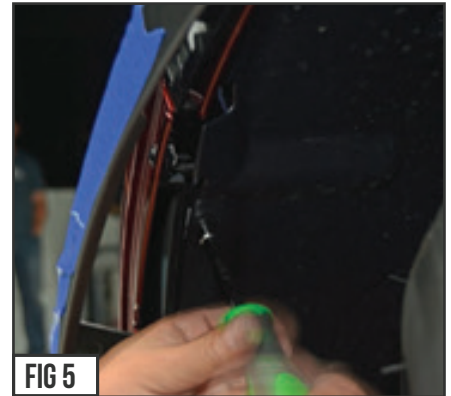


FIG 5

STEP 3

3) There are approximately (10) 8mm bolts underneath the front nose of the vehicle.

STEP 4

4) There are (6) fasteners to remove at each front tire. Pull the plastic trim away from around the wheel well. Remove the screws that secures the wheel well liner.

SEE FIGURES 3 - 7



FIG 6



FIG 7



FIG 8

STEP 5

5) Remove the bolts found the behind the wheel well liner which pinches the front bumper fascia to the fender. Repeat on opposite side of vehicle.

SEE FIGURES 6 - 8

STEP 6

6) Unplug the fog light wiring loom. Repeat on opposite side of vehicle.

SEE FIGURES 9 - 10

Finally, from underneath the nose of the front of the vehicle check for any sensors, plugs, or wires that may be still connected depending on your vehicle model. The headlight plastic body panel should now loose. You may need to coax the bumper fascia out and off the catch tabs to remove completely.

STEP 7

7) Set factory grille aside and place it face down on a flat cushioned surface. Prepare to install your new T-REX Grille.

BUMPER FASCIA FREE



FIG 9



FIG 10

GRILLE REMOVAL PROCESS COMPLETE

LASER BILLET MAIN GRILLE

GRILLE ASSEMBLY - START

MAIN GRILLE - W/ LOGO - #6216640 / # 6216641 2016 FORD EXPLORER



FIG 11



FIG 12



FIG 13

STEP 8

SEE FIGURE 11

8) Note, that you will need to trim a small plastic tab located on the core support in front of the radiator near the hood latch mechanism. →

STEP 9

MAIN GRILLE - ASSEMBLY

SEE FIGURES 12 - 16

9) With the new T-REX Grille unit placed face down on a flat cushioned surface, it is now time to begin assembly with the T-REX Grille and mate it to the bumper fascia. Align the T-REX Grille Replacement so that the pre-determined tabs locate to their corresponding mounts against the bumper fascia.

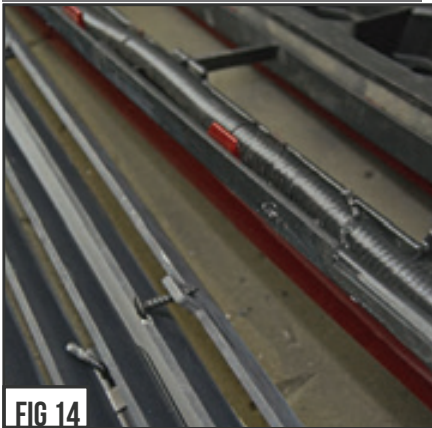


FIG 14



FIG 15

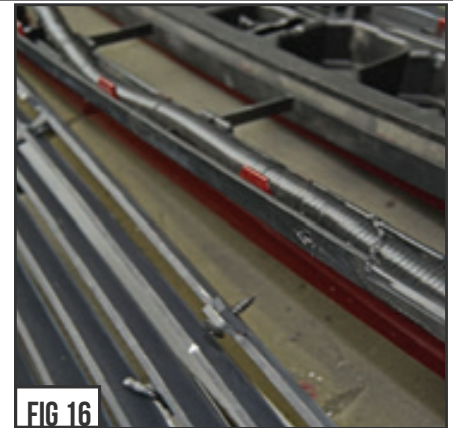


FIG 16

STEPS 10 - 11

SEE FIGURE 13

10) After precisely checking alignment with grille to bumper fascia, Clamp it into place and then drill so that the grill tabs determine your drill point and mounting hole.

SEE FIGURES 15 - 16

11) Slip the provided screws into place, Insert the spacer between the grille and bumper fascia as seen in Figures #15 & #16



FIG 17

STEP 12

SEE FIGURES 17

12) Secure the Grille to the Bumper Fascia by tightening down all the screws so that it is secure and locked into place. Make sure the spacers are positioned and create an even gap along the grille line.

Inspect your work for even alignment.

Grille Assembly Complete.

CHECK YOUR WORK

GRILLE ASSEMBLY COMPLETE

LASER BILLET MAIN GRILLE

LOGO BADGE MOUNTING - START

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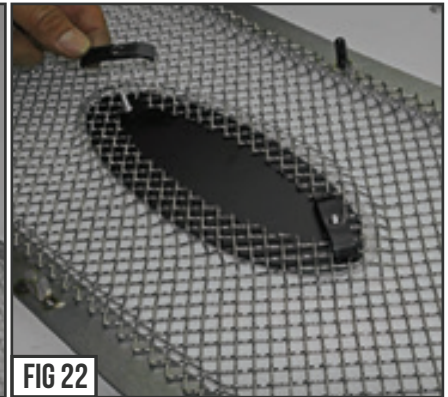
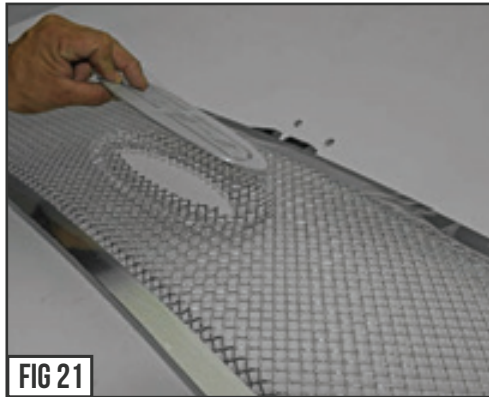


FIG 20

FIG 21

FIG 22

STEP 13

13) This T-REX Grille requires a Logo Badge to be mounted in the grille's logo mounting location that has been determined.

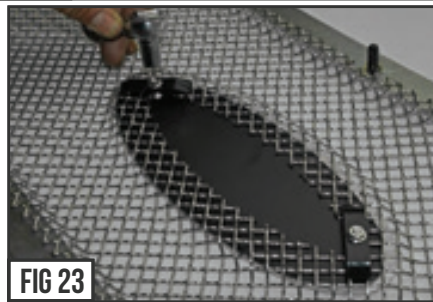


FIG 23

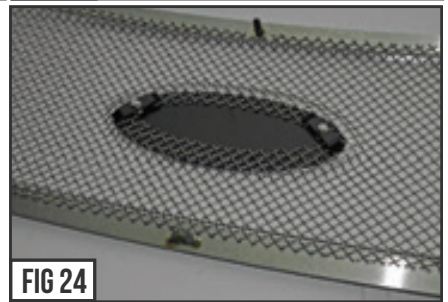


FIG 24

STEP 14

NOTE THE IMAGES HERE MAY NOT REFLECT YOUR GRILLE PURCHASED, BUT MOUNTS SIMILARLY.

SEE FIGURES 23 - 24

14) You may use the provided T-REX Logo Badge or you may select to use the OEM "Ford" Logo Badge. Either will work as the T-REX Grille is designed to accept both. Put the Logo Badge into position. Flip the T-REX Grille and place it over on its face. Secure the Badge in place with the provided hardware that is included in the Badge Mounting Kit.

FORD LOGO BADGE MOUNT



FIG 25



FIG 26



FIG 27



FIG 28

STEP 15

SEE FIGURES 25 - 28

15) If it is your preference to use the OEM "Ford" Logo Badge, you will need to remove it from the factory grille. It will be mounted to the New T-REX Billet Grille with the provided Trim Retainer Clips.

LOGO BADGE MOUNT - COMPLETE

LASER BILLET MAIN GRILLE

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GRILLE INSTALL - START



STEP 16

SEE FIGURES 29 - 40

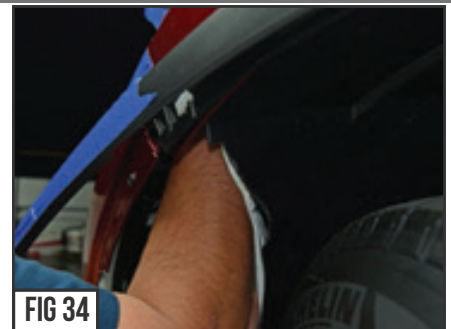
16) It is now time to re-install the Bumper Fascia Assembly. Match it up to factory mounting points and reinstall in the reverse order from how it was removed.

STEP 17

BUMPER FRONT FASCIA - GRILLE INSTALLATION

SEE FIGURES 31- 40

17) Align the factory mounting holes and secure into position using any OEM hardware that was removed. Carefully put back into place the headlight plastic body panel around the head lamp area making sure to align with tab fasteners and then firmly press into place. Fully assemble the front fender to front bumper fascia and then reinstall the wheel well liner. Plug any sensor connections and wiring looms that were disconnected. Place plastic radiator shroud cover over core support.



GRILLE INSTALL - COMPLETE

LASER BILLET MAIN GRILLE

INSPECT YOUR WORK

MAIN GRILLE - W/ LOGO - #6216640 / # 6216641

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FIG 41



FIG 42



FIG 43

STEP 18

SEE FIGURES 41-43

18) At this point you want to look over your work and 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.

INSTALLATION COMPLETE



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, inline 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.

GRILLE CARE INFORMATION

GRILLE CARE INFORMATION

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.