

# T-REX

## GRILLES



### UPPER CLASS GRILLE

MAIN GRILLE INSERT - #54575 / 51575

2014-2016 TRANSIT

#### PARTS INCLUDED

(1) Upper Class Grille - Main

- Black - Part #51575 OR

- Polished - Part #54575

#### HARDWARE INCLUDED

(10) - #6-32 x 3/4" Black Machine Screws

(10) - #6-32 Nylon Lock Nuts

(10) - #6 Flat Washers

#### TOOLS REQUIRED

- Drill & 1/8" Drill Bit
- Cut off wheel.
- Screwdriver set (Phillips)
- Needle Nose Pliers
- Socket Set
- Ratchet Tool
- 1/2" Plastic Spatula

#### 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. To assure your part is correct; our tech department can be contacted at [tech@trexbillet.com](mailto:tech@trexbillet.com) to verify fitment and assist with technical questions. All other inquires can be directed to [info@trexbillet.com](mailto: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 GRILL.

##### STEP 1 FRONT BUMPER REMOVAL

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

##### 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) Remove the fender trim moulding from around the wheel well arch.

Start by pulling the plastic push pin fasteners.

With these now removed and set aside, the fender trim should be easily freed.



FIG 1



FIG 2



FIG 3



FIG 4

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## BUMPER REMOVAL - CONTINUED



FIG 5



FIG 6

### STEP 3

SEE FIGURES 5 - 6

3) Remove the (2) bolts at the rear of the top part of the front bumper under the mouldings you have just removed.

### STEP 4 - 6

SEE FIGURES 7 - 10

4) Remove the (4) bolts under the bumper connected to the under carriage tray.  
5) Remove the (2) bolts behind the number plate.  
6) Disconnect front fog lights, front parking sensor multi-plug, ect. ( if fitted ).



FIG 7



FIG 8



FIG 9



FIG 10



FIG 11

### STEP 7

SEE FIGURES 13-15

7) Finally, there are (3) clips holding the bumper each side to the wing



FIG 12



FIG 13

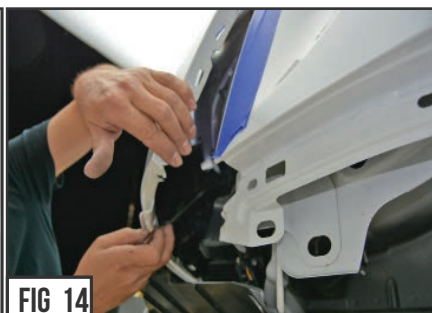


FIG 14



FIG 15

## BUMPER REMOVAL - CONTINUED



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## BUMPER REMOVAL - CONTINUED



FIG 16



FIG 17



FIG 18

### STEPS 8 & 9

SEE FIGURES 2 & 4

- 8) Pull the plastic push pin fasteners across the top under the Hood bonnet
- 9) Remove the (4) bolts and 5 clips across the top under the Hood bonnet.

### STEP 10

SEE FIGURES 5 & 11

- 10) From underneath the front fascia molding lip, use a flat broad head screw driver to release the molding tabs from the vehicle core support.

The Front Bumper Fascia assembly should now be freed and removed from the nose of the vehicle. (Figure #11)



FIG 19



FIG 20



FIG 21



FIG 22

## BUMPER REMOVAL - COMPLETE

### STEP 11

SEE FIGURES 21 - 23

- 11) With the Front Bumper Fascia Assembly removed, Flip the grille assembly over and place face down on a flat cushioned surface or foam pad to begin disassembly.



FIG 23

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## GRILLE DISASSEMBLY - START



### STEP 12

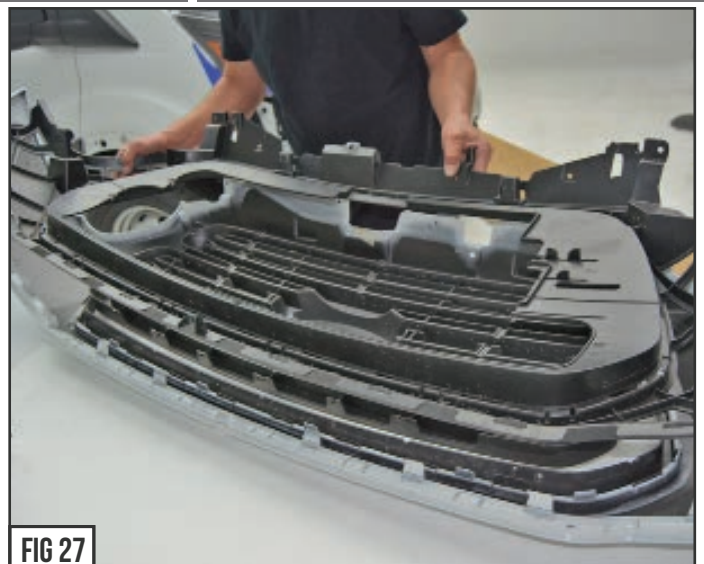
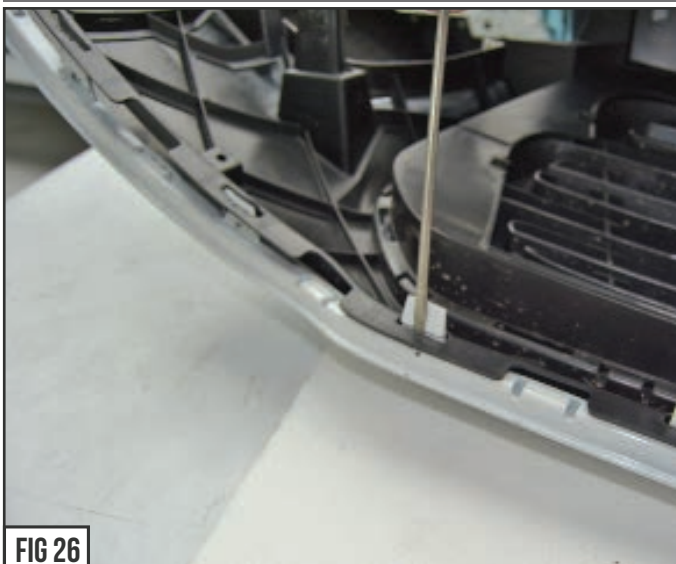
12) Starting from the very outer edge, use a Phillips head screwdriver, release all tabs from the grille plastic shroud molding clips.



### STEP 13

SEE FIGURE 25

13) Continue working towards the center, and then jump to the opposite side and release the tabs working towards the center.



### STEP 14

SEE FIGURE 27

14) Lift the plastic shroud guard and set aside for reinstallation later during final assembly.

### STEP 15

15) At this point, check over your work and make certain everything reflects the images presented here.

## GRILLE SHELL DISASSEMBLY COMPLETE

### STEP 16 BADGE INSTALL

SEE FIGURES 28 - 31

16) For those that do want to feature the Ford Badge, you will need to first remove it from the factory grille. Flip it face down to access the tabs that secures the badging. From the back side, use a plastic spatula to pry the tabs free and pop loose the badge. From the front side pull free from the factory grille.



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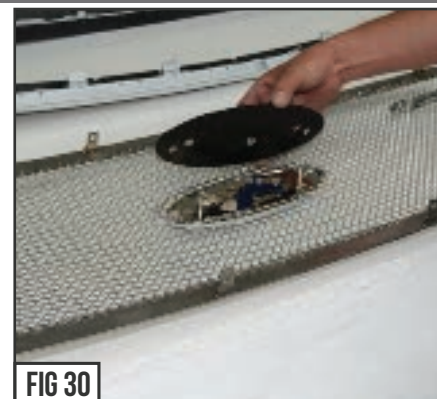
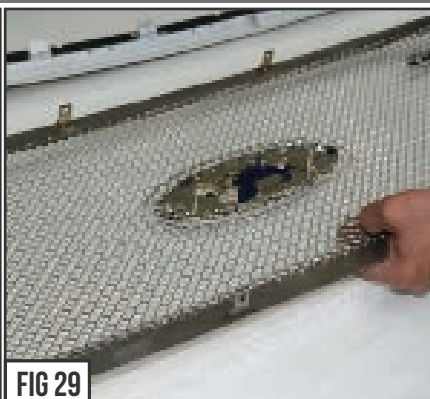
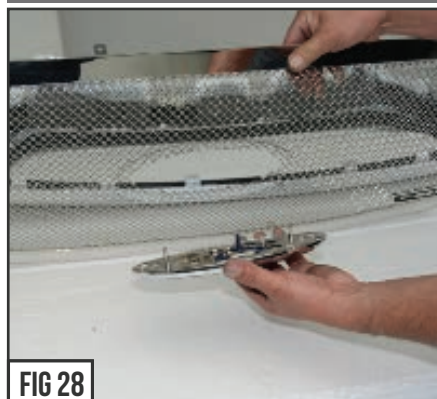
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## BADGE INSTALL - START

### STEP 16

SEE FIGURES 28 - 30

16) After carefully removing the OEM Badge from the factory Grille, position the OEM badge and put into place over the new T-REX grille.



### STEP 17

SEE FIGURE 28

17) Your new T-REX Grille will have recess cutout to accept and locate the OEM badge.

### STEP 18

SEE FIGURE 18

18) With the grille face down and the badge put into place, secure and fasten the Badge Backing Plate and tighten to the grille.

### STEP 19

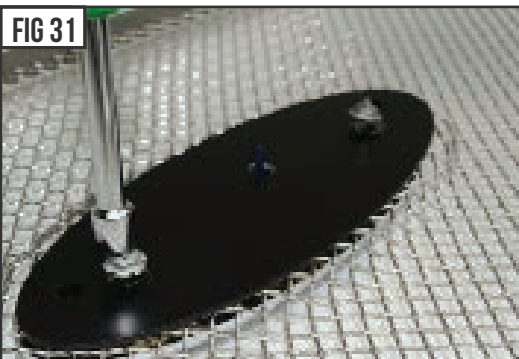
SEE FIGURE 19

19) Review your work and check badge center alignment.

FIG 31



FIG 31



## BADGE INSTALL COMPLETE

## FINISHED LOOK WITH BADGE



FIG 32



FIG 33

## GRILLE ASSEMBLY CONTINUED

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## GRILLE DISASSEMBLY - CONTINUED

### STEP 20

SEE FIGURES 34 - 35

20) With the plastic shroud removed, it is now time to cut out the factory grille pattern from the factory grille shell. Using a cut off wheel, and from the backside cut along the outer edge of the grille.



FIG 34



FIG 35



FIG 36

### STEP 21

SEE FIGURES 36 & 37

21) Take your plastic shroud that was removed in Step #14 and cut out the center structure. This is no longer necessary.

### STEP 22

SEE FIGURES 38 & 39

22) Take your new T-REX Grille Insert and put it into place by setting the Front Bumper Fascia over and onto the new insert.

### STEP 23

23) Double check your work to make sure the new T-REX Grille Insert fits nicely within the opening and that all plastics are not penetrating the grille opening.



FIG 37

## GRILLE SHELL ASSEMBLY - START

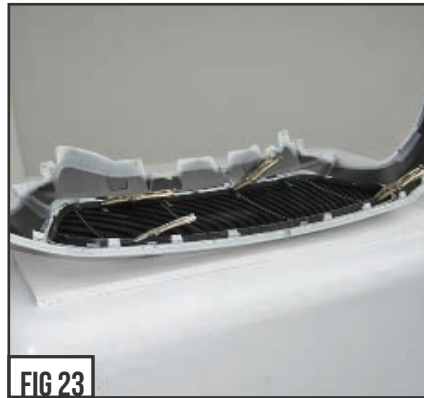


FIG 38



FIG 39

## GRILLE SHELL ASSEMBLY - CONTINUED



**STEP 24**

SEE FIGURES 22 & 23

24) With the Grille Insert set it down in place, clamp the grille mounting tabs to the Front Bumper Fascia Opening. At this point, check for proper grille alignment and even depth between new Grille Insert and Front Bumper Fascia.

**STEP 25**

SEE FIGURE 24

25) With your alignment and spacing set and finalized, Use the T-Rex Grilles mounting tabs to determine your drill holes and drill a 1/8" hole.



**STEP 20**

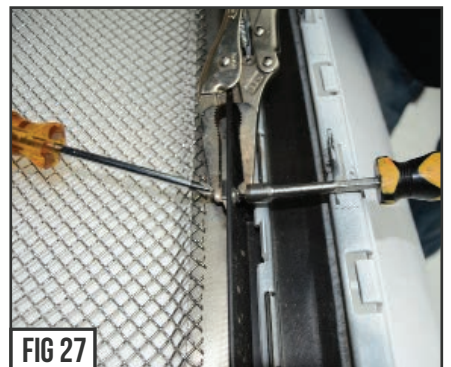
SEE FIGURES 25 - 28

20) Using the provided screws, fasten and secure the T-Rex Grille to the factory shell piece. Check for proper fitment and once satisfied make it good and tight.

**STEP 21**

SEE FIGURE 29

21) Take the plastic shroud (from Steps # 14 & #21 ) that was set aside earlier and reinstall it over and onto the assembled T-REX Grille and Front Bumper Fascia.



**GRILLE SHELL ASSEMBLY COMPLETE**



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## GRILLE INSTALL - CONTINUED



FIG 30



FIG 31

### STEP 22

SEE FIGURES 30 & 31

22) It is now time to re-install the fully Assembled Front Fascia back onto the nose of the vehicle.

### STEP 23

SEE FIGURE 32

23) Using the reverse order of that the vehicle components were removed, re-install them.



FIG 32



FIG 33

### STEP 24

SEE FIGURES 32 - 33

24) Starting with the nose panels, put it into place, prop it up so the body lines appear to be in their final position, and pop them in so that the mounting tabs catch and hold. Shove a firm palm to panel will usually do the trick.



FIG 36



FIG 37

### STEP 25

SEE FIGURES 33 - 35

25) Put the bumper back into place, and using the reverse order that the bumper components were removed, re-install it. Secure it by bolting it back into position, and then re-install the fender trim.



FIG 34



FIG 35

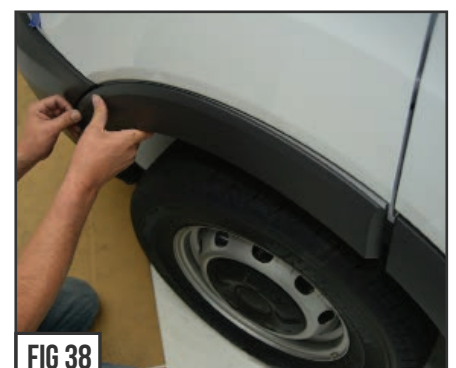


FIG 38

## GRILLE INSTALL COMPLETE



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## GRILLE INSTALL - COMPLETE



FIG 40



FIG 41

## CHECK YOUR WORK

### STEPS 26 & 27

- 26) Check over your work for hardware tightness and visual inspection.
- 27) Re-install the grille assembly in the reverse order that it was removed from the vehicle.

### STEP 28

SEE FIGURES 36 & 37

28) 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 loosen the hardware mounts and shift side to side or up & down to achieve proper look.



FIG 42



## T-REX GRILLES PRODUCT WARRANTY

### T-REX GRILLES PRODUCT WARRANTY

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, 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.

Please contact your local T-REX dealer for more information or visit [www.trexillet.com](http://www.trexillet.com).

## 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.