

# T-REX

## GRILLES



## LASER TORCH GRILLE

MAIN GRILLE - #7315711 / 7315711-BR

2018 F-150

### GRILLE REMOVAL & GRILLE INSTALLATION GUIDE

#### PARTS INCLUDED

- (1) LASER TORCH
  - Main Part #7315711
- (1) LASER TORCH STEALTH
  - Main Part #7315711-BR
- (1) 30" LED Light Bar
- (1) Power Cable Wiring Harness

#### HARDWARE INCLUDED

- (5) M6 x 25mm Hex Bolts
- (5) #10 Washer 9/16"
- (5) Extruded "U" Nuts
- (3) 3/16' X 1" SS Black Fender Washer
- (3) #10-32 Nylon Nuts
- (1) Security TORX Bit



\* Image of Hardware

#### TOOLS REQUIRED

- Screwdriver set (Flat Head)
- Torx Driver
- Torx Bit - T-40
- 10mm, 8mm, 7mm Sockets
- Ratchet Tool
- 1/2" Plastic Spatula
- Pocket Knife

#### 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 GRILLE REMOVAL

- 1) Turn off engine and chalk tires with stop block. Open Hood. 1. Disconnect negative battery terminal.



FIG 1

#### 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.



FIG 2

#### STEP 2

SEE FIGURE 1 & 2

- 2) Identify & locate plastic clips securing plastic shroud engine cover. Carefully pry off to remove and then set aside for reinstallation later. Remove plastic shroud and then set aside for reinstallation later.

#### STEP 3

- 3) Disconnect active grille harness.



FIG 3

# LASER TORCH GRILLE

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## GRILLE REMOVAL - CONTINUED



### STEP 4

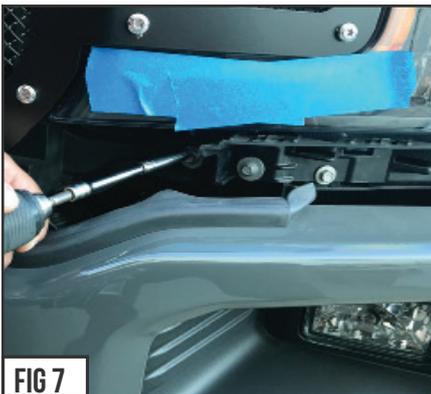
SEE FIGURES 4 & 5

4) Remove Plastic Bumper Cap Fascia as seen in Fig. 5 .  
You may need to remove wheel arch moulding, if equipped.  
You will need to coax panel out and off catch tabs to remove completely.

### STEP 5

SEE FIGURES 6 & 7

5) Prepare to remove Active Grille Shutter Assembly from the vehicle disconnecting the screws from the top (Fig. 6) & bottom (Fig. 7).

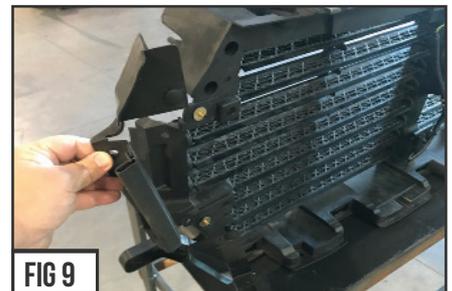


### STEPS 6 & 7

SEE FIGURES 8 & 9

6) Grille Assembly should now be free to remove from vehicle.  
7) Place Shutter Assembly on table & remove small plastic spacer on outside of surround.

## GRILLE REMOVED



### STEP 8

SEE FIGURE 10

8) Remove the protective Lower Plastic Shroud.



### STEP 9

SEE FIGURE 11 & 12

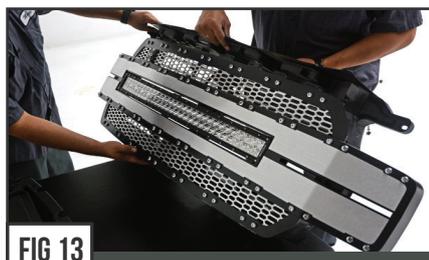
9) Install supplied Extruded U-Clips to top of Shutter Assembly.



### STEP 10

SEE FIGURE 13

10) Put new supplied T-REX Grille into place and prepare to marry to the Active Shutter Assembly.



## GRILLE ASSEMBLY CONTINUED

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## GRILLE ASSEMBLY - START

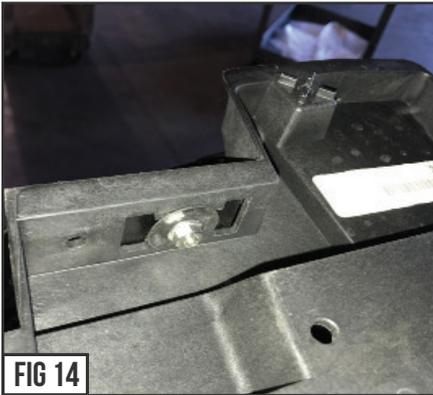


FIG 14

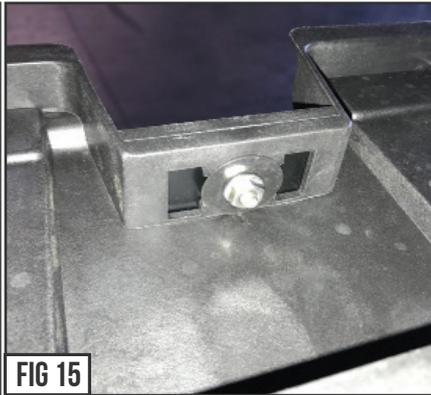


FIG 15



FIG 16

### STEP 11

SEE FIGURES 14 & 15

11) Install supplied T-REX Grille together with Grille Shutter Assembly starting with the T-REX Lower Bracket Mounts using (3) #10 Lock Nuts and Fender Washers in the center in opening.



### STEP 12

SEE FIGURE 16

12) Mate T-REX Grille to Shutter Assembly Top Bracket using (4) 6mm Hex Bolts and Washers.



FIG 17



FIG 18

### STEP 13 & 14

SEE FIGURE 17 & 18

13) Check that the new T-REX Grille is tight and fully secured to Active Shutter Assembly at all fastening points.

14) Re-Install the Lower Plastic Shroud back onto the Active Shutter Assembly.



## PRO INSTALLERS TIP



FIG 19

### STEP 15

SEE FIGURE 19

14) Remove or cover over OEM labels located inside headlight pockets. If you do not remove or obscure over labels, these will be very visible behind the new T-REX Grille.

## GRILLE INSTALL START

### STEP 16

SEE FIGURES 20

16) Put into place the fully assembled T-REX Grille / Active Shutter component to vehicle. Adjust towards back of vehicle prior to securing fasteners.

### STEP 17

SEE FIGURES 21

17) Connect Grille Shutter Wiring Harness back to Active Shutter Assembly.



FIG 20



FIG 21

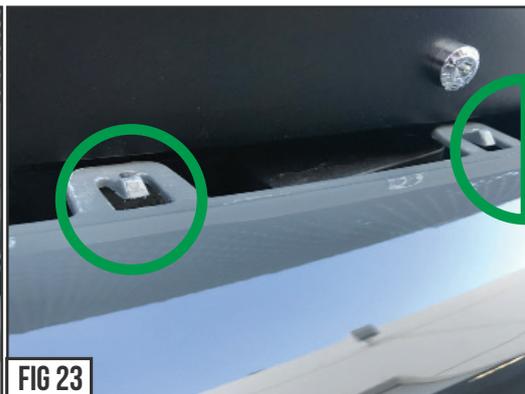
## GRILLE INSTALL CONTINUED

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## GRILLE INSTALL CONTINUED



### STEP 18

SEE FIGURES 22 - 24

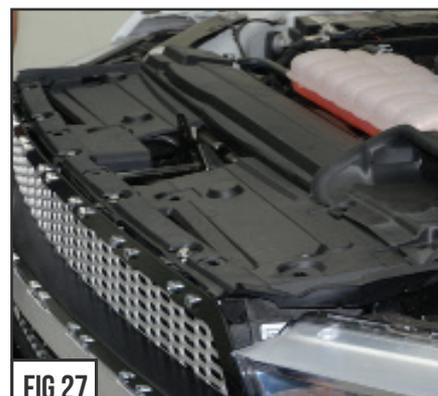
18) Re-Install the Vehicle's Plastic Bumper Cap Fascia into the new T-REX Grille's pre-determined Lower Bracket Mounts as seen in Figure #22.



### STEP 19

SEE FIGURE 23 & 24

19) Confirm plastic latches have been secured and fastened into lower brackets. NOTE you may have to pull the inside clip clasp up slightly for the clip to engage.



### STEP 20 & 21

SEE FIGURE 25 & 26

20) Secure sides of Vehicle's Plastic Bumper Cap Fascia back to Vehicle's Front Fender.  
21) Install wheel arch moulding back to Vehicle's Front Fender.



### STEP 22

SEE FIGURE 27

22) Re-Install top engine plastic shroud cover back onto core support.

### STEP 23

23) Reconnect negative battery terminal. Carefully close hood & check for clearance.

## INSPECT YOUR WORK

### STEP 24

24) 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.



INSTALLATION COMPLETE



## 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.