

# T-REX

## GRILLES



## TORCH GRILLE

### MAIN GRILLE W/ CAMERA PROVISION - #6315741

### 2015 F-150

### GRILLE REMOVAL & GRILLE INSTALLATION GUIDE

#### PARTS INCLUDED

- (1) Torch Grille - Main w/ (1) 50" LED Light Bar Black - Part #6315741
- (1) 2 Pc Camera Bracket Mount
- (1) X-Metal Logo Badge

#### HARDWARE INCLUDED

- (2) "Z" Brackets (Long)
- (3) "Z" Brackets (Short)
- (7) 3/16" x 1" Fender Washers
- (12) 10/32" Nylon Lock Nuts



\* Image of Hardware

#### TOOLS REQUIRED

- Screwdriver set (Flat Head)
- 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 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.



FIG 1



FIG 2

#### STEP 2 SEE FIGURE 1 & 2

- 2) Identify & locate (10) plastic clips on top of plastic shroud and also (1) additional on each side located at the top of the headlight body panel cover. Carefully pry off to remove and then set aside for reinstallation later.

#### STEP 3

- 3) Remove plastic shroud and then set aside for reinstallation later.



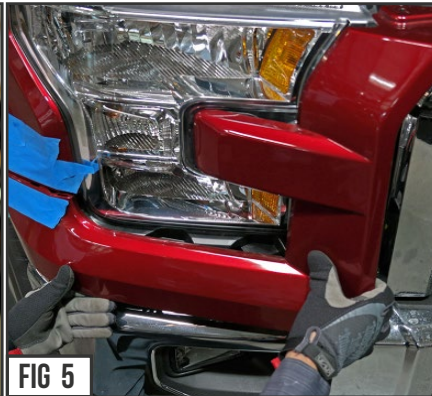
FIG 3

# TORCH GRILLE

## MAIN GRILLE - #6315741

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#### GRILLE REMOVAL - CONTINUED



#### STEP 4

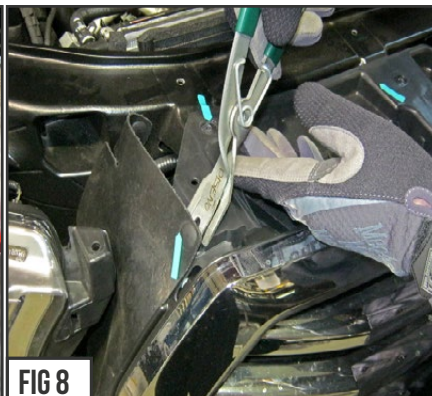
#### SEE FIGURES 4 & 5

4) On the inside of the inner wheel well lip, remove (2) 7mm bolts. The headlight plastic body panel should now loose. You will need to coax panel out and off catch tabs to remove completely. The plastic wedge spatula should help. ➔

#### STEP 5

#### SEE FIGURE 6

5) On each side of the factory grille near the bottom corner, just outside and behind, there is (1) 8mm bolt. (1) 8mm bolt on each side. Use 8mm socket to remove the (2) bolts.



#### STEP 6

#### SEE FIGURES 7 & 8

6) On top of the core support, remove (4) 8mm bolts.  
7) Remove (4) plastic clips on upper corner near head lamp.

#### GRILLE REMOVED



#### STEP 7

#### SEE FIGURE 9

8) Unplug and remove forward camera cable wire connection, and finally disconnect (2) sensors located at the top center of grille (Located next to the hood latch). Note to pull the plastic cable support clip.

9) The OEM Factory Grille should now be free and ready to remove. Carefully place the grille on a soft cushioned surface and prepare to remove the shutter component which is currently fastened to the backside of the factory grille.

#### STEPS 10-12

#### SEE FIGURES 10 - 12

10) Remove the (7) 10mm plastic bolts that line the outside edge and the (1) 8mm bolt that is secures the center structure.

11) Remove the (4) plastic clips located on the top lip.

12) Take factory grille and prepare to modify forward facing camera device.

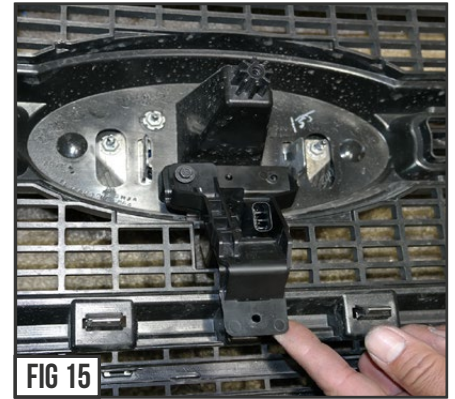
#### GRILLE REMOVAL PROCESS CONTINUED

# TORCH GRILLE

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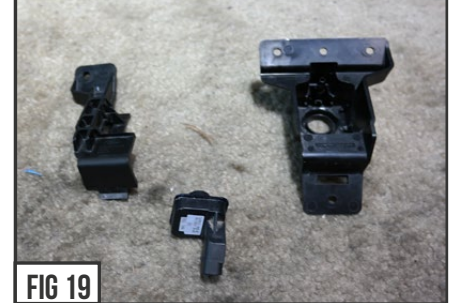
#### FORWARD CAMERA MODIFICATION



**STEP 13 REMOVE FORWARD CAMERA UNIT FROM FACTORY GRILLE SEE FIGURES 13-19**

13) With the new T-REX Grille unit placed face down on a flat cushioned surface, identify the mounting points that secures forward facing camera unit housing and remove all hardware.

14) Peel away and remove camera from plastic housing.



#### FORWARD CAMERA MODIFICATION - INSTALL

**STEP 14 SEE FIGURE 20**

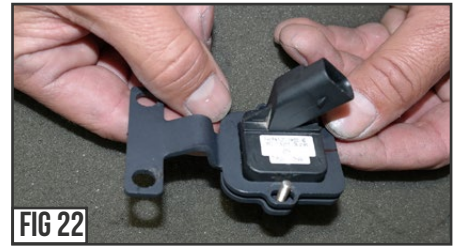
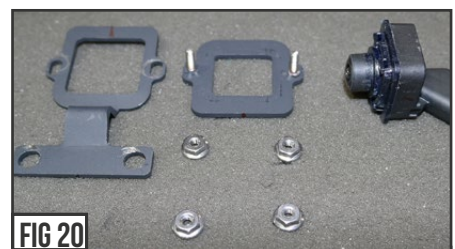
14) Layout provided forward camera bracket mounting system and provided hardware. Determine how camera orientation will properly fit with bracket and mount on new T-Rex grille.

**STEP 15 SEE FIGURES 21**

15) Take front mounting plate with small opening face and marry with front end of camera face. Make sure that threaded post are pointing back towards camera just like the orientation in Figure 21.

**STEP 16 SEE FIGURES 22**

16) Take rear mounting plate with the large opening face and sandwich camera to the front mounting plate.

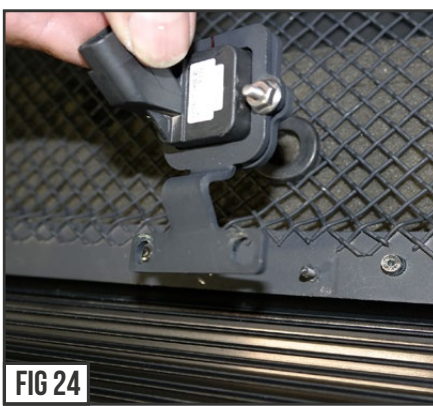


# TORCH GRILLE

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#### FORWARD CAMERA MODIFICATION



#### FORWARD CAMERA MODIFICATION - CONTINUED

##### STEP 17

SEE FIGURES 21 - 23

17) Take provided 10/32 Nylon Lock Nuts and tighten down on threaded post.

##### STEP 18

SEE FIGURES 24 - 26

18) Marry the camera bracket assembly to the backside of the new T-Rex Grille and carefully pay attention so that the camera optic is fitted tightly around the rubber grommet already mounted on the grille. Slide the provided bolts through the located holes and tighten down.

##### STEP 19

SEE FIGURES 27

19) Inspect the fitment and make sure the camera lens is unobstructed by the grommet ring and the entire bracket is securely mated to the grille.



#### FORWARD CAMERA MODIFICATION - COMPLETE

# TORCH GRILLE

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#### GRILLE INSTALL - START

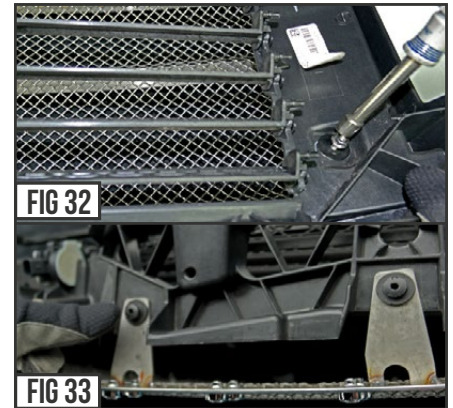
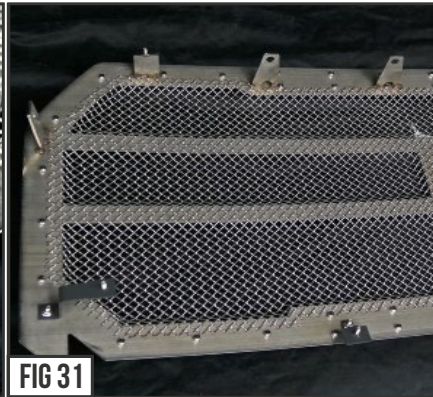


FIG 30

FIG 31

FIG 32

FIG 33

#### STEP 20 MAIN GRILLE - INSTALLATION

SEE FIGURES 30 - 31

20) With the new T-REX Grille unit placed face down on a flat cushioned surface, Set all extension brackets in place starting with large bracket on the lower bottom corners and the small brackets in the middle. Secure and fasten them with 10mm nuts.



#### STEP 21 - 22

SEE FIGURES 32 - 33

21) Reinstall shutter component to new T-REX Grille with factory hardware that was previously removed.  
22) Flip up and stand the entire grille unit up to access top. Re-insert plastic clips which will than secure shutter component to new T-REX Grille.

#### GRILLE RE-ASSEMBLE



FIG 34

FIG 35

FIG 36

FIG 37

#### STEP 23

SEE FIGURE 34 - 36

23) Grille assembly is now ready to reinstall on vehicle. Match it up to factory mounting points and reinstall in the reverse order that the grille was removed. Start with the (4) 10mm factory bolts on top and the (2) 8mm bolts located near the bottom corners.

#### STEP 24 & 25

SEE FIGURES 37

24) Plug the (2) sensor connections back into the shutter component sensor units.  
25) Place plastic radiator shroud cover over core support making sure the cold air intake lip is overlapped on top of the shroud. Align the factory mounting holes and use the (10) plastic clips to secure and fasten in position.

#### STEP 26

26) Carefully put back into place the headlight plastic body panel around the head lamp area making sure to align with the 8 tab fasteners and then firmly press into place. Use the (2) 5/32" bolts to mount and secure the panel on the inside wheel well lip.  
On each side of the grille at the top corners, reinsert the plastic tabs. (1) on each side.

#### INSPECT FOR ALIGNMENT

#### STEP 27

SEE FIGURE 38

27) 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 loosen the top mounts and shift side to side for even gaps.



FIG 38

#### 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.