

# T-REX

## GRILLES



## ZROADZ SERIES

### MAIN GRILLE - #Z314931

### 2018 JEEP WRANGLER JL

### PARTS INCLUDED

- (1) ZROADZ Grille - Main Black - Part #Z314931
- (2) 2" LED Lights Cut Down
- (5) 2" LED Lights Installed
- (1) Single Terminal Wiring Harness
- (1) 7 Plug Splitter

### HARDWARE INCLUDED

- (2) #10-24 x 5/8" Stainless Steel Hex Head Bolts
- (2) #10 9/16" Washers
- (2) #10-24 Extruded U Nuts
- (2) #10-32 Flange Nuts
- (2) Bracket 4
- (2) Bracket 5
- (4) Bracket Spacers 6
- (2) Bracket Horn 7
- (1) Bracket Boomerang Right
- (1) Bracket Boomerang Left

### TOOLS REQUIRED

- Screwdriver set (Phillips)
- Needle Nose Pliers
- 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.

#### 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

#### STEP 1 GRILLE REMOVAL

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

#### STEP 2

- 2) To open hood locate the latches that secures hood near the main head lamps, Prop Hood open and disconnect battery.



FIG 2

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#### GRILLE REMOVAL - CONTINUED



FIG 3

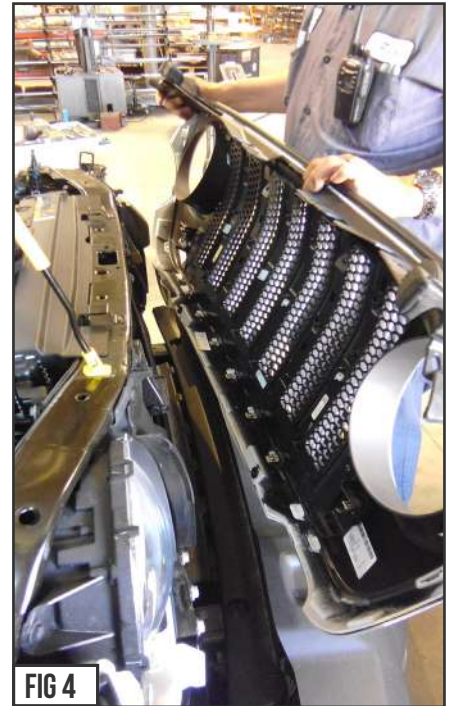


FIG 4

#### STEP 3

SEE FIGURES 3 & 4

- 3) Locate & identify tabs that hold & secure Vehicle's Grille Assembly.  
Remove the plastic push pin tabs from top and bottom, The Grille should now be free to remove from vehicle. Set Grille face down on a soft cushioned surface.



FIG 5



FIG 6

#### STEP 4

SEE FIGURES 5 - 7

- 4) With the grille face down, prepare to disassemble the OEM grille insert by removing the screws and white clips. You should now be free to remove the plastic mesh.



FIG 7

**GRILLE DISASSEMBLY COMPLETE**



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#### GRILLE ASSEMBLY - START



FIG 8



FIG 9

STEP 5 SEE FIGURE 8



5) Put into place the new T-REX Insert. It mounts as an "Underlay" behind factory Grille. Check Position and alignment. It will only fit one way.

STEP 6

SEE FIGURES 9 & 10

6) Secure T-REX Grille lower bottom corners by fitting provided Bracket 5 into place and screwing down till tight.



FIG 10

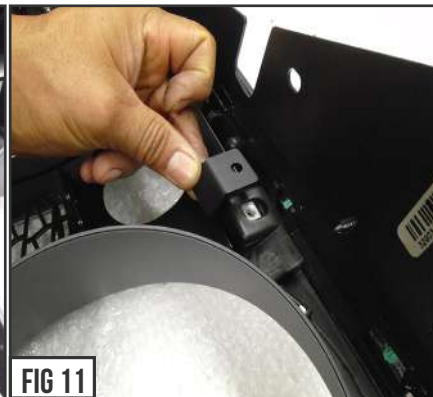


FIG 11

STEP 7

SEE FIGURES 11 & 12



7) Secure T-REX Grille top corners by fitting provided Bracket 4 into place and screwing down till tight.



FIG 12

STEP 8

SEE FIGURE 13 - 15



8) Secure T-REX Grille in place by fitting provided Bracket Spacers in place and then put white clip back into lock it down. Flip over to face and confirm proper fitment.



FIG 13



FIG 14



FIG 15

#### GRILLE INSTALL- COMPLETE



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#### GRILLE ASSEMBLY - START



FIG 16



FIG 17

#### STEP 9 SEE FIGURE 16

9) There are (2) LED Lights that need to be installed. It is now time to install and fix to the rest of the T-REX Grille. Installers Note: The heat synch fins should be cut down.

Provided Hardware:  
 Extruded "U" Nuts  
 #10 Washers  
 #10-24 x 5/8" Hex Head Bolts

#### STEP 10

#### SEE FIGURE 17

10) With additional LED lights now installed, check the LED Light positioning and alignment with the rest of the Lights.



FIG 18



FIG 19



FIG 20

#### STEP 11 SEE FIGURES 18 - 19



12) Turn back to the front of Vehicle, and remove the horn from factory horn mounting bracket and disconnect horn power harness.

#### STEP 13

#### SEE FIGURES 20 - 22

13) Remove the support bars and black covers as seen in Figures #20 - #22.

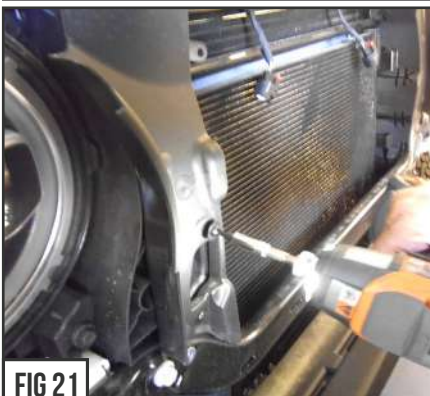


FIG 21



FIG 22

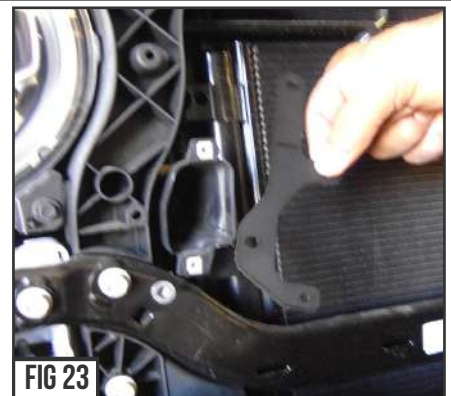


FIG 23

#### GRILLE INSTALL- COMPLETE

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## MAIN GRILLE - #Z314931

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#### GRILLE ASSEMBLY - START



STEP 14

SEE FIGURE 24

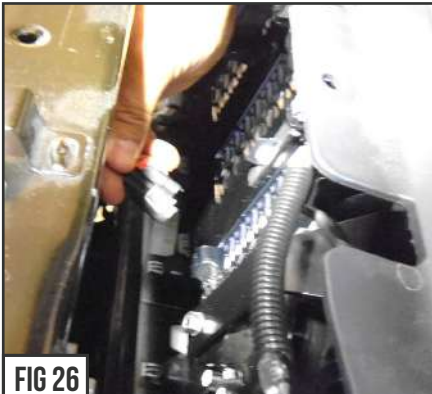
14) Use provided Bracket Horn #7 and put into position as seen in Figure #23. Use the same OEM Hardware and Plastic Push Pins that was removed in Step #13 prior.



STEP 15

SEE FIGURE 25

15) Put into place the provided Bracket Boomerang Right & Bracket Boomerang Left. Secure them into position using the same OEM Hardware and that was removed in Step #13 prior.



STEP 16



SEE FIGURES 26 - 27

16) Put into place the fully assembled grille and route the 7 Plug Splitter and connect the new LED Lights to the main connector towards the battery. Reconnect OEM Horn Power.

#### FINISHED EXAMPLES.



#### GRILLE INSTALL- START

STEPS 17 - 19

17) Re-install the grille assembly in the reverse order that it was removed from the vehicle.  
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 loosen the hardware mounts and shift side to side or up & down to achieve proper look.  
19) Check over your work for hardware tightness and visual inspection.

#### GRILLE INSTALL- 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.