

T-REX

GRILLES



LASER BILLET GRILLE

MAIN GRILLE INSERT - #6202140 / #6202141

2016-2017 GMC SIERRA 1500

PARTS INCLUDED

- (1) Laser Billet Grille - Main
 Full Opening - Polished - Part #6202140 OR
 Full Opening - Black - Part #6202141

HARDWARE INCLUDED

- (5) - Trim Retainer
 (4) - 1/2 x 1/2 - 3/16" (Hole) Spacer
 (8) - #8 Screw
 (8) - #8 Flat Nut

TOOLS REQUIRED

- Drill
- 1/8" Drill Bit
- Screwdriver set (Phillips)
- Vice Grips / Clamps
- Socket Set
- Ratchet Tool
- 1/2" Plastic Spatula Wedge

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 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

SEE FIGURES 1 - 3

2) Begin by removing the plastic core support cover shroud.

There will a number of Plastic "Push Tabs" that secure the cover.

Remove them all and set aside for reinstallation.

Remove Cover and set aside for later.



FIG 1



FIG 2



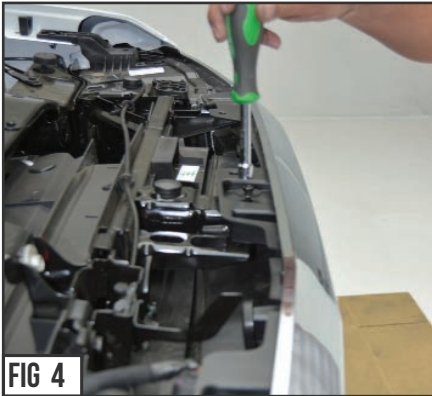
FIG 3

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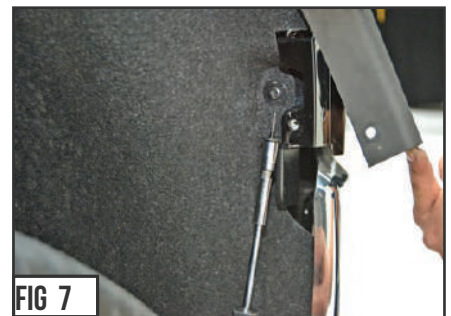
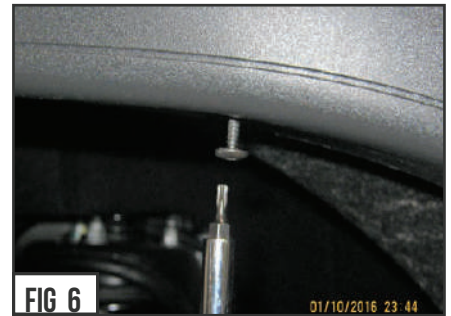
GRILLE INSTALL - CONTINUED



STEP 3

SEE FIGURES 4 & 5

3) Remove the factory hardware that secures the grille assembly to the core support.



STEP 4

SEE FIGURES 6 - 9

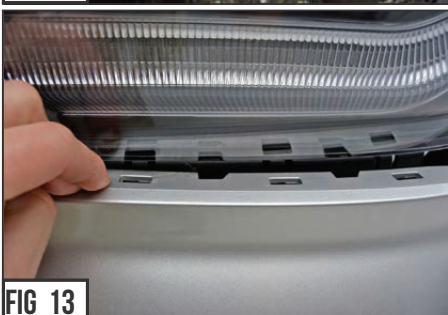
4) It is now time to loosen the vehicle wheel well fender trim. Start at the top middle, and working your way towards the very front of the fender trim where it meets the front bumper, use a torq bit to remove screws. With the front half fender trim loose and pulled out of the way, (as seen in Figure #7) you can access the additional hardware that secure the plastic lower bumper valance. Remove these bolts and set aside all hardware for re-installation later.



STEP 5

SEE FIGURES 9 - 14

5) At this point, you need to remove the vehicles plastic lower bumper valance (a long and slim trim panel that is located directly above the front bumper, below the grille, and is usually color matched to the vehicle body color). Slip out the valance away from where it meets the front fender. You will need to unfasten several tabs that latch the whole piece from under and behind bumper and underneath headlights.

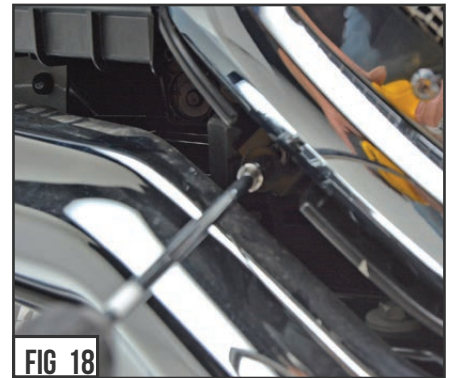
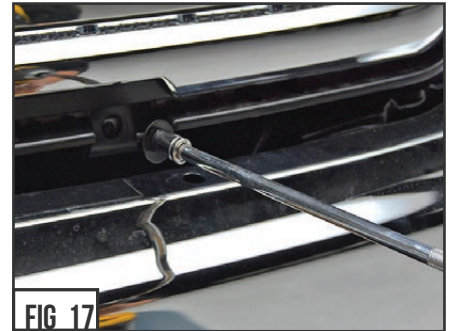


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GRILLE INSTALL - CONTINUED



STEPS 6 - 7

SEE FIGURES 16 - 20

6) With the lower plastic bumper valance removed you can now access several bolts at the bottom below the grille lip and above the vehicle bumper and also located (2) more at the lower corners. Remove all hardware that fixes grille assembly to vehicle.

7) Using both hands, grab the very bottom corners of each side and firmly pull on both sides. This action will pull loose and release the grille assembly from the grille mounts. The Grille should now be free to pull away from truck.

STEP 8

8) Flip the grille assembly over and place on a flat cushioned surface or foam pad to begin disassembly.



STEP 9

SEE FIGURES 21 & 24

9) It is now time to remove the radiator induction shroud.

Remove all the plastic push tabs that secures the shroud and set asides for later.



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GRILLE INSTALL - CONTINUED

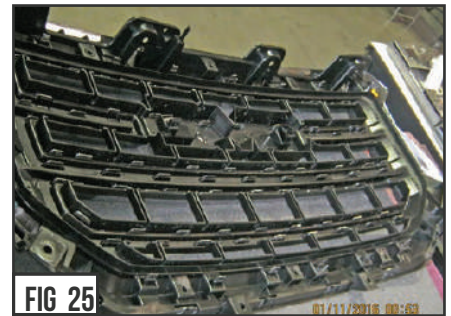
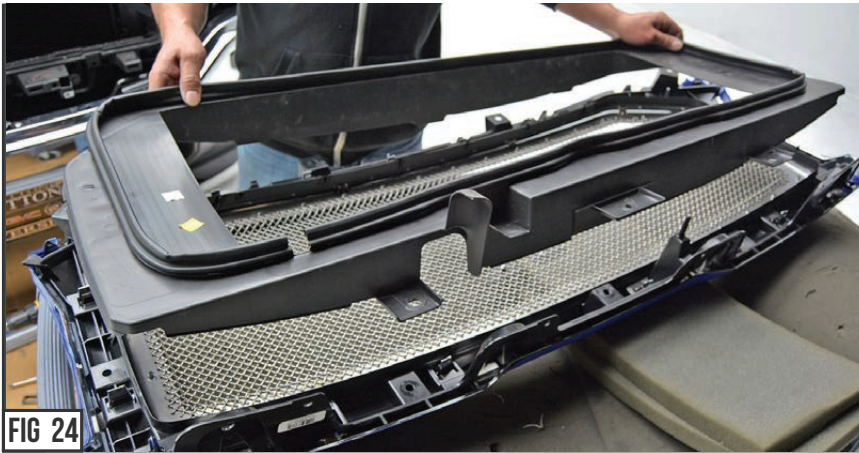


FIG 24

FIG 23

FIG 25

FIG 26

FIG 27

FIG 28

STEP 10

SEE FIGURES 24 - 29

10) With the radiator shroud removed and safely out of the way, it is now time to cut into the factory grille plastic pattern design and separate the factory grille shell to re-purpose and utilize with your new T-REX Grille.

From the grille's backside, make a proper cutting path using a paint pen or bright marker to highlight the correct cutting patch along the outer edge of the plastic grille pattern.

STEP 11

SEE FIGURE 27

11) To gain familiarity it is recommended to examine the grille face and back side so that you understand where you will be cutting and where and how the new T-REX Grille will insert and mount to the factory grille shell.

STEP 12

SEE FIGURES 28 & 29

12) Using Figures #28 & 29 as reference as proper cut locations around edge and corners, make one final confirmation that your cut line is well clear of the factory chrome shell. You DO NOT want to cut into or damage the chrome shell.

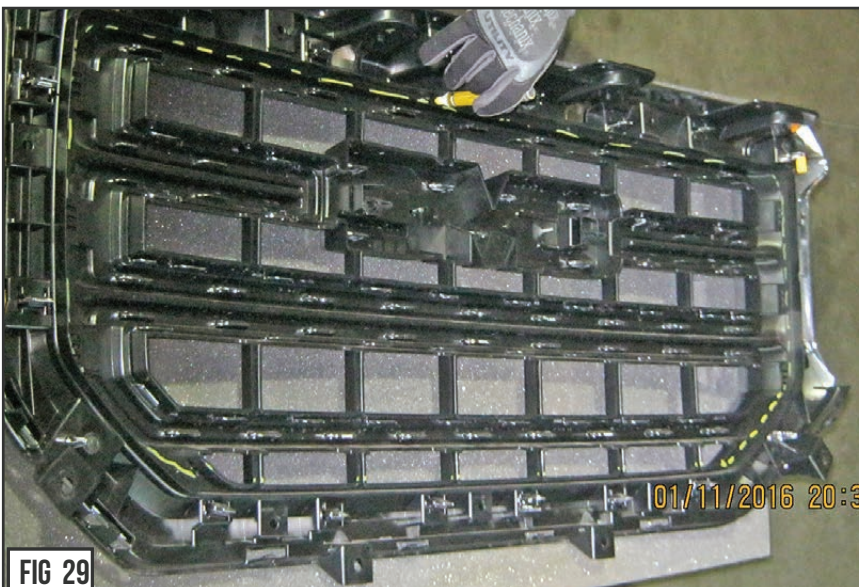


FIG 29

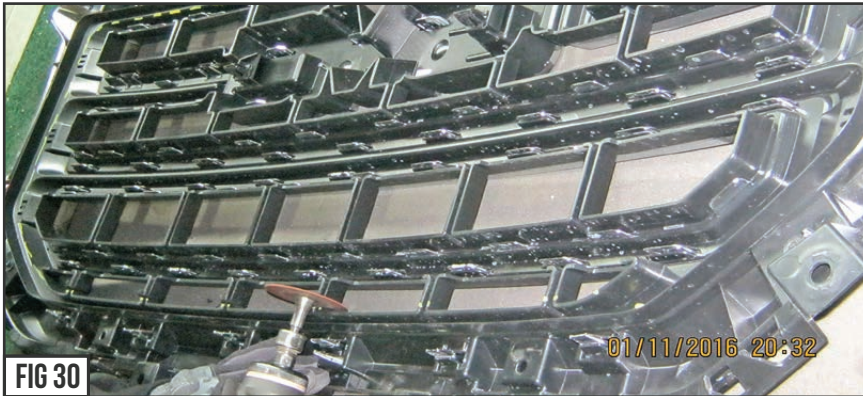
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GRILLE INSTALL - CONTINUED



STEP 13

SEE FIGURES 30 - 36

13) From the grilles backside, use a 90 degree cutoff wheel, zip saw, sawzall or something similar, carefully cut along your marked line.



STEP 14

SEE FIGURES 31, 33, & 34

14) Carefully navigate cutting your corner edges



STEP 15

SEE FIGURES 32- 36

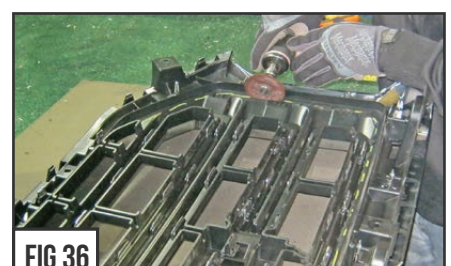
15) Carefully continue your cut path along outer edge without damaging factory chrome grille shell.



STEP 16

SEE FIGURES 32- 36

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



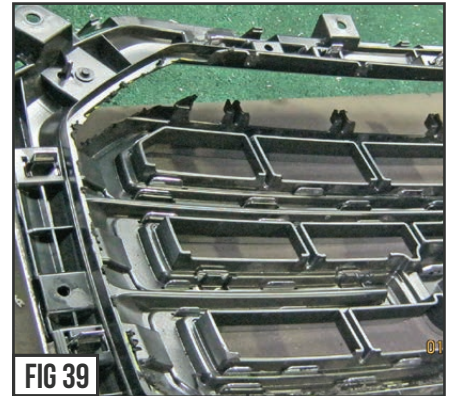
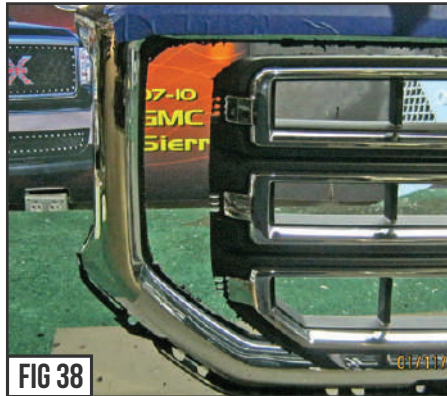
GRILLE SHELL DISASSEMBLY COMPLETE

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GRILLE ASSEMBLY - START



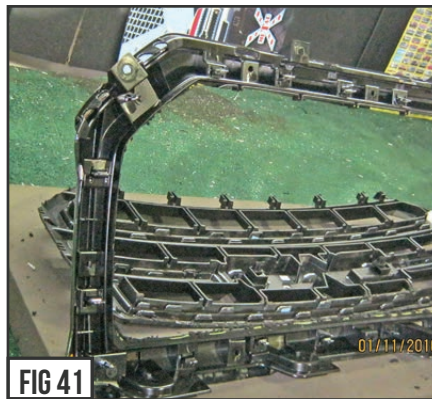
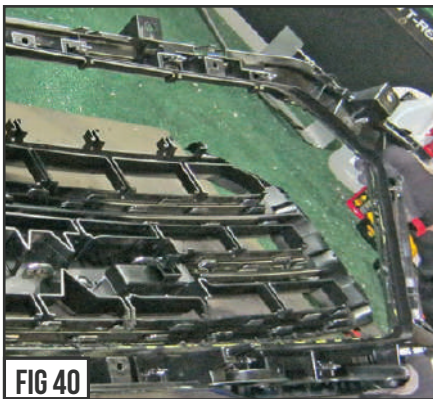
STEP 17

17) Separate the shell from the inner grille piece.

SEE FIGURES 37 - 42

STEP 18

18) For those that do want to feature the GMC Badge, you will need to first remove it from the factory grille and set aside for later use.



STEP 19

19) Using a 90 degree sanding disc, sand paper, file, or something of the sort, clean up and sand down the plastic debris left over from the cut out grille piece.

SEE FIGURES 43 - 44

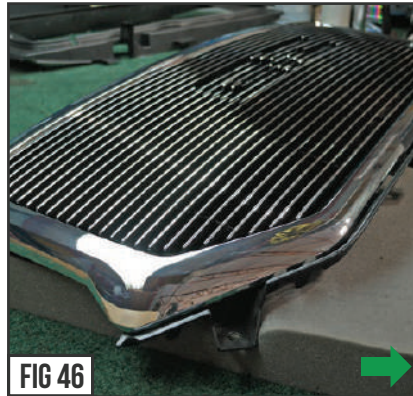
GRILLE ASSEMBLY CONTINUED

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GRILLE ASSEMBLY - CONTINUED



STEP 20

SEE FIGURES 45 - 48

20) Carefully align the t-rex grille so that it sits evenly aligned with the shell and then clamp in place with vice grips or something similar.



STEP 21

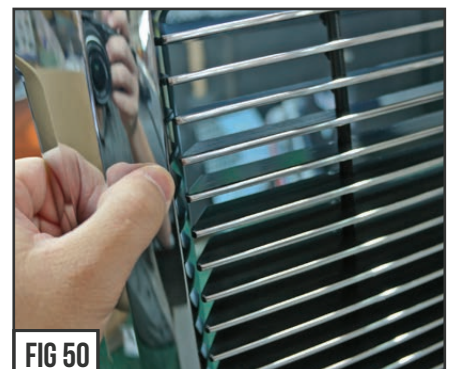
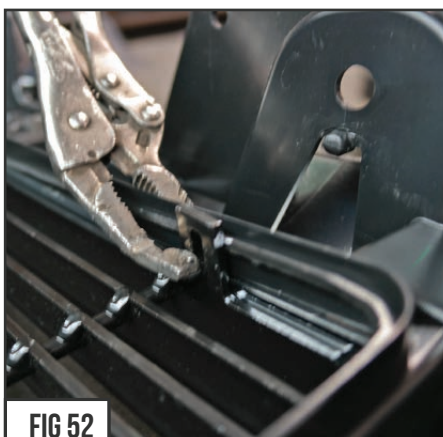
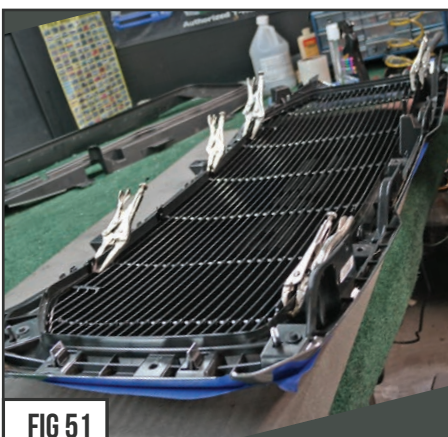
SEE FIGURES 48 - 49

21) Once satisfied with the alignment and fitment and with the grille insert clamped in place, mark with a paint pen.

STEP 22

SEE FIGURES 50 - 52

22) Flip over to inspect grille fitment of billet face alignment alongside grille shell and for proper sitting depth with shell. If adjustments are needed release clamps, and reset fitment till satisfied.



LOOK OVER YOUR WORK

STEP 23

SEE FIGURES 50 & 52

23) At this point, you should examine and carefully look over your work. Inspect for proper alignment depth and fitment.

GRILLE SHELL ASSEMBLY CONTINUED

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GRILLE ASSEMBLY - CONTINUED



STEP 24

SEE FIGURES 53 - 57

24) Once satisfied with the alignment and fitment and with the grille insert clamped in place, drill a 1/8" hole for each of the pre-fixed grille mounting tabs.



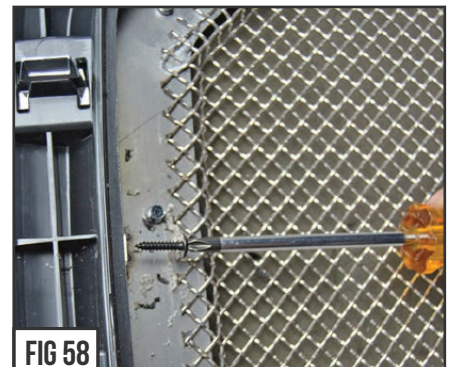
STEP 25

SEE FIGURES 58 - 60

25) Insert provided #8 Screws into each hole drilled.

STEP 26

26) Slide on flat nut and tighten down.



LOOK OVER YOUR WORK

STEP 27

SEE FIGURES 61 & 62

27) At this point, you should examine and carefully look over your work. Inspect for proper alignment depth and fitment.

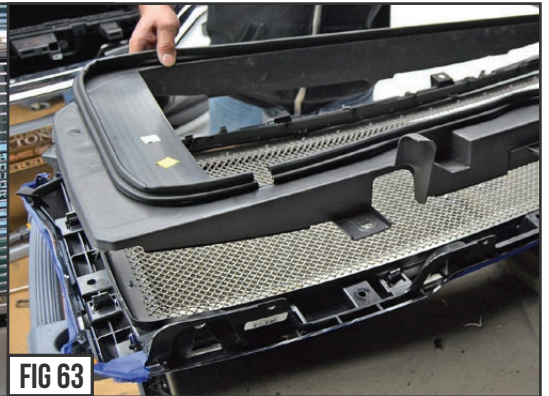
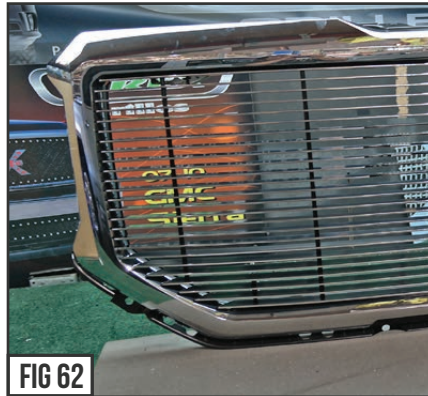
GRILLE SHELL ASSEMBLY CONTINUED

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GRILLE ASSEMBLY - CONTINUED



STEP 28

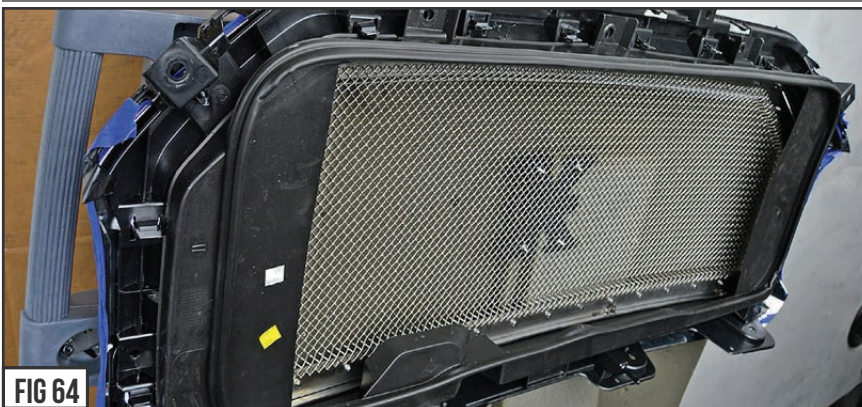
SEE FIGURES 61 & 62

28) Once satisfied with the grille insert installation, proceed with grille re-assembly.

STEP 29

SEE FIGURES 63 & 64

29) Take the radiator induction shroud that was set aside earlier and align it over your new T-Rex Grille assembly. Line up the tabs and set it down in place.



STEP 30

SEE FIGURE 65 - 66

30) Use the plastic push tabs to secure and fasten down.



STEP 31

SEE FIGURE 67

31) Take the complete grille assembly, put into place and position to nose of vehicle.



OPTIONAL BADGE MOUNTING

STEP 32

32) For those that do want to feature the GMC 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 flat head screw driver to pry the tabs free and pop loose the badge. From the front side pull free from the factory grille. Snap off those tabs, position and mount badging to new grille.

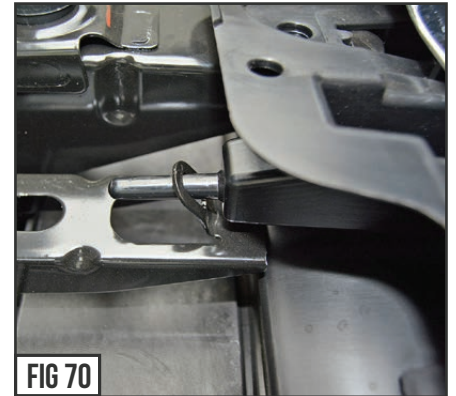
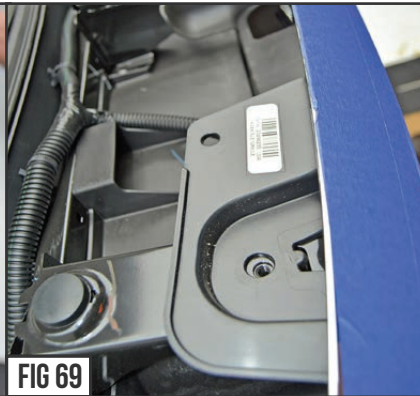
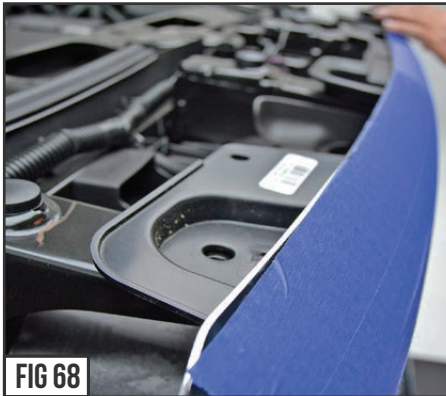
GRILLE SHELL ASSEMBLY COMPLETE

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GRILLE INSTALL - CONTINUED



STEP 33

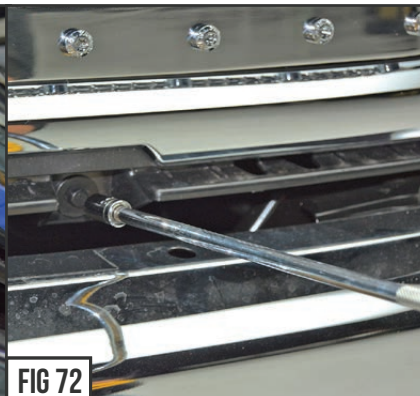
SEE FIGURES 68 & 69

33) Starting at the top, slip the grille assembly (shell) mounting tabs up and onto their mounts.

STEP 34

SEE FIGURE 70

34) Note the "Male Post" and "Female Insert" will help locate the correct position of grille assembly.



STEP 35 & 36

SEE FIGURES 71 - 74

35) Position lower mounts and finally re-install all factory hardware.

SEE FIGURES 75 & 76

36) Re-Install lower bumper valance.



GRILLE SHELL ASSEMBLY COMPLETE

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GRILLE ASSEMBLY - CONTINUED



STEP 37

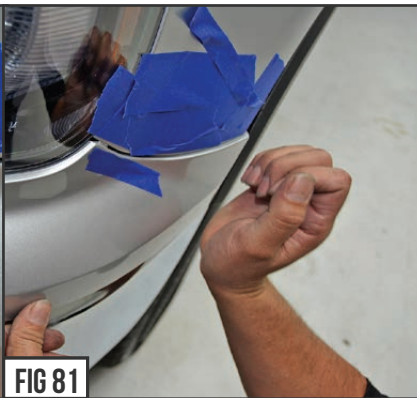
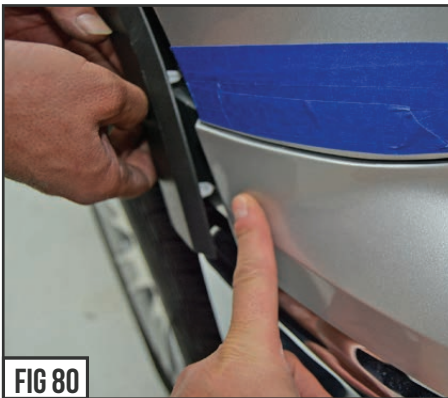
SEE FIGURES 77 & 78

37) Carefully slip valance into place underneath headlights. Give it a firm press to get everything into position. Fit Valance up and mate it to front fender and finally slip fender trim back over each piece so it all fits nice and tight.

STEP 38

SEE FIGURES 79 - 85

38) Put Core Support Cover back into place and fasten down with plastic push tabs that were removed prior. Re-Install all hardware that was removed in step #4.



GRILLE SHELL ASSEMBLY COMPLETE

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GRILLE INSTALL - START



STEP 39

39) Check over your work for hardware tightness and visual inspection.

STEP 40

SEE FIGURES 86 - 88

40) 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.

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

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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.

Rely on premium car and truck custom grilles by T-Rex if you're looking for quality and efficiency.