



ZROADZ

DYNAMIC LED MOUNTING SOLUTIONS



2018-2019 FORD F-150 KING RANCH, & PLATINUM

PART #: Z415581-KIT, & Z415583-KIT

FRONT OEM GRILLE LED LIGHT MOUNTS

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PARTS INCLUDED

- (1) Driver Side Light Mount
OEM Grille Bracket
- (1) Passenger Side Light Mount
OEM Grille Bracket

LED LIGHTS INCLUDED

* APPLIES TO KIT ONLY*

- (2) 6" ZROADZ LED Light Bar

HARDWARE INCLUDED

Z415581-KIT & Z415583-KIT

- (1) - Driver Side
LED OEM Grille Bracket
- (1) - Passenger Side
LED OEM Grille Bracket
- (1) - #8 x 3/4" Stainless Steel Screws
- (1) - Power Cable Wiring Harness

TOOLS REQUIRED

- Prying Tool
- Various Socket Set
- Various Wrenches
- Ratchet Tool
- Ratchet Extensions

INSTALLATION GUIDE

* APPLICATION MODELS VARY. WE RECOMMEND TO VERIFY FITMENT BEFORE BEGINNING INSTALLATION PROCESS.
* IMAGES FEATURED IN THE INSTRUCTION DOCUMENTS MAY NOT ALWAYS EXACTLY MATCH YOUR MODEL OR PART.

START HERE

Turn off engine, chalk tires with stop block, open the hood and disconnect the battery.

LED LIGHT BRACKET INSTALLATION

STEP 1

1) Open and unbox the ZROADZ package. Sort out all components and hardware pack.



FIG 1

STEP 2

2) To install the ZROADZ OEM Grille LED Light Mounts, the vehicle's grille / grille shell will have to be temporarily removed.

SEE FIGURE 2



FIG 2



LED LIGHT BRACKET INSTALLATION - CONTINUED

PARTS ARE PATENT PENDING.

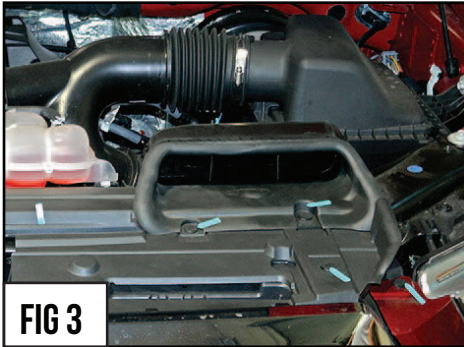


FIG 3



FIG 4

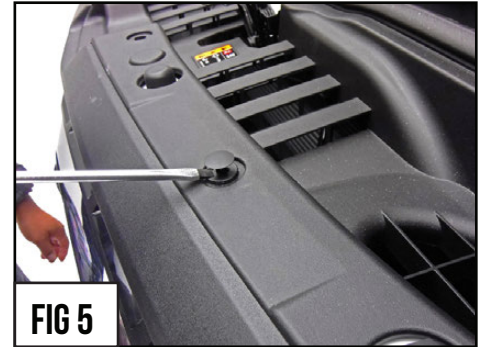


FIG 5

STEP 3

SEE FIGURE 3

3) Identify & locate plastic clips securing plastic shroud engine cover.

STEP 4

SEE FIGURES 4-5

4) Carefully pry up and remove the plastic push pins.

STEP 5

SEE FIGURE 6

5) The cover shroud should now be free to lift off and remove.
Set aside to re-install later.



FIG 6

STEP 6

6) Remove all screws that secure the top of the OEM Grille Shell to the vehicle's core support.

STEP 7

SEE FIGURE 7

6) Unplug and Disconnect active grille harness.



FIG 7

LED LIGHT BRACKET INSTALLATION - CONTINUED



LED LIGHT BRACKET INSTALLATION - CONTINUED

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STEP 8

SEE FIGURES 8 & 9

8) Remove Plastic Bumper Cap Fascia as seen in Fig. 9.

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 9

SEE FIGURE 10 & 11

9) Prepare to remove Grille Assembly from the vehicle removing the screws from the top.

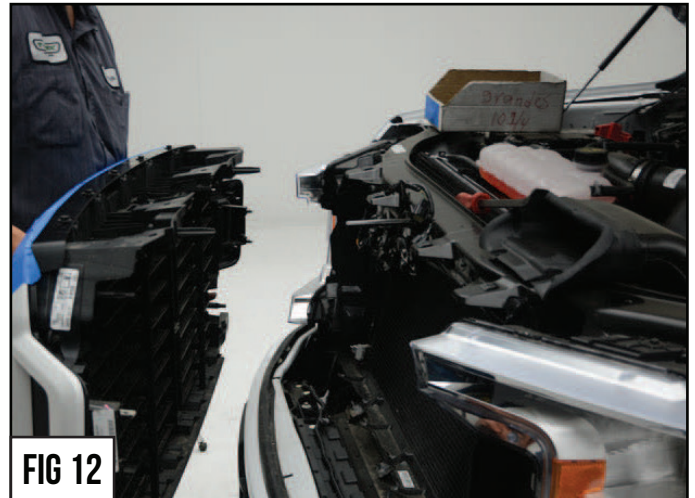
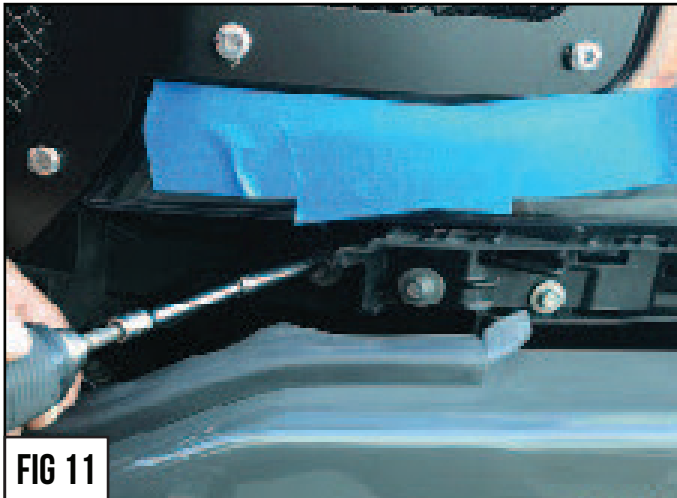


FIG 11

FIG 12



FIG 13

STEP 10

SEE FIGURE 12

10) The OEM Grille Shell should now be free & removed from vehicle's core support.

Set aside to re-install later.

LED LIGHT BRACKET INSTALLATION - CONTINUED



LED LIGHT BRACKET INSTALLATION - CONTINUED

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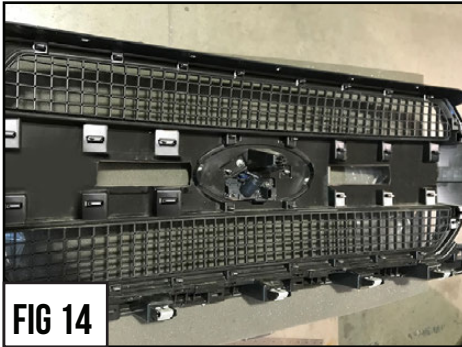


FIG 14

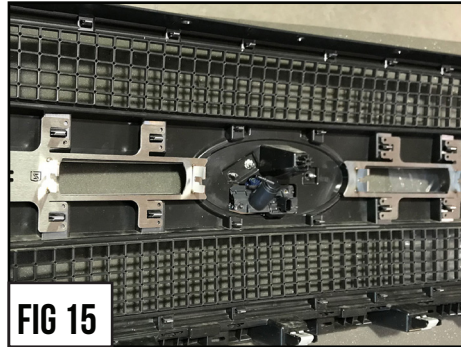


FIG 15



FIG 16

STEP 11

SEE FIGURE 14

11) Mock up and put into place the ZROADZ OEM Grille Brackets as seen in Fig. 14 & Fig. 15. Each bracket can only go one way. One for the Driver Side and one for the Passenger Side.

STEP 12

SEE FIGURES 15-16

12) Carefully fit it into place and align over grille for final mounting.

STEP 13

SEE FIGURE 17

13) With the brackets properly aligned, fix the brackets into place with the provided 16 screws.

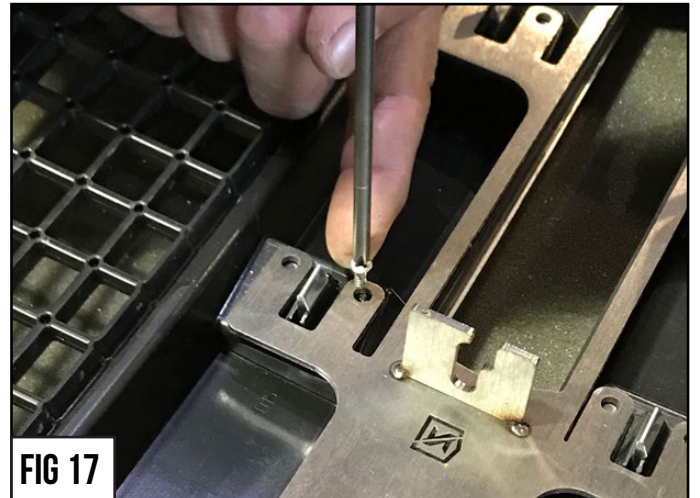


FIG 17

STEP 14

SEE FIGURE 18

14) Tighten and secure screws.

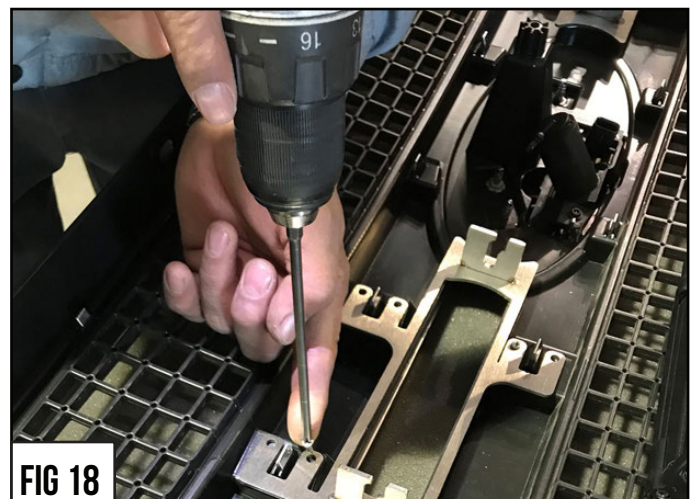


FIG 18

LED LIGHT BRACKET INSTALLATION - CONTINUED



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LED LIGHT BRACKET INSTALLATION - CONTINUED

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FIG 19



FIG 20

STEP 15

SEE FIGURE 19

15) Fit the LED Lights into the ZROADZ Brackets LED Light Mounts.

STEP 16

SEE FIGURE 20

16) Tighten and secure the LED Bar fairly snug.

STEP 17

INSPECT YOUR WORK

17) Carefully inspect your work, once you are satisfied with the look and placement of your LED Light Bar and brackets go ahead and tighten everything up.

STEP 18

ADJUSTMENT TIPS

18) To adjust the angle of your Light Bar, rotate the LED(s) to adjust the angles till your desired light pattern is reached. You may than tighten the hardware and also mounting bracket to hood and secure everything into place. Note your tape marker under hood to check for proper alignment. Be careful not to over tighten the mounting hardware.

It is best to adjust the angle with the vehicle on level ground with lights facing a wall, garage door or other solid barrier. We recommend checking from a distance of 25'.

Your installation is now completed.

FINISHED EXAMPLES



FIG 21



FIG 22



FIG 23

LED LIGHT BRACKET INSTALLATION - COMPLETE



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LED LIGHTING EQUIPMENT INSTALLATION / DISCLAIMER

WARNING

PLEASE CONSULT YOUR LOCAL AUTOMOTIVE ELECTRICAL PROFESSIONAL FOR INSTALLATION SERVICES AND ADVICE. ZROADZ IS ONLY EQUIPPED TO PROVIDE BASIC TECHNICAL ASSISTANCE DUE TO THE DIVERSITY OF VEHICLES, VEHICLE OPTIONS & MODIFICATIONS AND LIGHTING CONFIGURATION OPTIONS AVAILABLE. ZROADZ 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: ZROADZ LED Light Bars themselves are for OFF-ROAD USE ONLY.

NOTE 2: Light Bars depending on the configuration of your vehicle and its options and/or modifications may need to be adjusted for appropriate beam projection. 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# Z390020S-A) is also available that includes high-heat & oil/fuel resistant wires, waterproof connector, 12v relay, 12v rocker switch, in-line 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.

PRODUCT CARE INFORMATION

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Wash regularly as you would when caring for your vehicles. Never use dish soap. 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 terry cloth, 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

ZROADZ with Gloss Black Powder Coated Finish may be washed regularly as you would when caring for your vehicles finish using soap and water. ZROADZ 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 ZROADZ 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.