



ZROADZ

DYNAMIC LED MOUNTING SOLUTIONS



2018-2019 FORD F-150

Z415751-KIT GRILLE OEM LED LIGHT MOUNTS

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PARTS INCLUDED

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

LED LIGHTS INCLUDED

Z415751-KIT - (2) 3" ZROADZ LED Light Pods

HARDWARE INCLUDED

Z415751-KIT

- (2) - M8 x 20mm Hex Head Cap Screws
- (2) - M8 Hex Head Stainless Steel Nuts
- (2) - M8 Split Lock Washers
- (6) - #10-32 Nylon Nuts
- (6) - #10 Stainless Steel Flat Washers
- a(6) - 10-32 x 1" Button Head Allen Cap Stainless Steel Screws
- (1) - Double Terminal Wiring Harness

TOOLS REQUIRED

- Drill & Drill Bit Set
- Hole Saw or Uni-Bit
- Various Wrenches
- Pry Tool & Allen Key Set
- Masking Tape & Marker

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. To assure your part is correct; our tech department can be contacted at orders@zroadz.com to verify fitment and assist with technical questions. All other inquires can be directed to orders@zroadz.com. In the event you do not have internet access please call 844-653-8040

* 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.

STEP 1 GRILLE REMOVAL

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

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 & 3

- 2) THE GRILLE WILL HAVE TO BE REMOVED. 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



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LED LIGHT BRACKET INSTALLATION - CONTINUED

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STEP 4

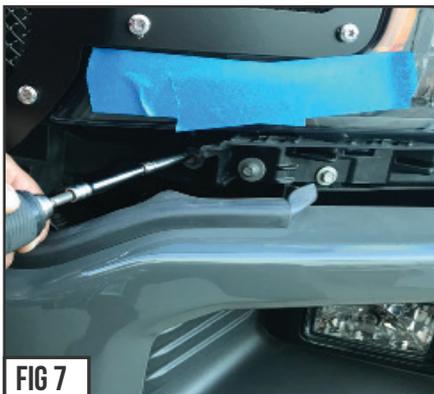
4) Remove Plastic Bumper Cap Fascia as seen in Fig. 5. You may need to remove wheel arch moulding, if equipped. You will need to coax panel out and off catch tabs to remove completely.

SEE FIGURES 3 - 5

STEP 5

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

SEE FIGURE 6



STEPS 6 & 7

6) Grille Assembly should now be free to remove from vehicle.
7) Place face down on a padded cushion surface and prepare to mount LED Grille Brackets.

SEE FIGURES 8 & 9

STEP 8

10) Put the Grille Bracket into the Grille Opening to gain familiarity with how it will mount. Tape over the area.

SEE FIGURES 10 - 12



BRACKET INSTALLATION - CONTINUED



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LED LIGHT BRACKET INSTALLATION - CONTINUED

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STEPS 9 & 10

SEE FIGURES 13 - 15

- 9) With the ZROADZ Bracket mocked up into place, use a pen marker to mark the bracket holes as seen in Figure #14.
- 10) Carefully drill straight through the three small marks with a 1/8" Drill Bit as seen in Figure #15.

STEPS 11 & 12

SEE FIGURE 16

- 11) Use a hole saw or uni-bit to clear the 1" hole to plumb the wire as seen in Figure #15.
- 12) Mount the ZROADZ Bracket to the Grille. Mount the LED Pod to the Bracket Mount. Repeat all steps on opposite side.



STEP 13

13) It is now time to inspect your work. Carefully look over everything and check hardware tightness. Once satisfied, tighten everything up. Be careful not to over tighten hardware.

STEP 14 ADJUSTMENT TIPS

14) To adjust the angle of your Light Bar, rotate the LED(s) to adjust the angles till your desired light pattern is reached. 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.



LED LIGHT BRACKET INSTALLATION - COMPLETE



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ZROADZ PRODUCT WARRANTY

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ZROADZ warrants its grille products to be free from defects in material and workmanship for the lifetime of the grille. ZROADZ 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. ZROADZ reserves the right to repair or replace a defective product at its sole discretion. Any ZROADZ product must be returned to ZROADZ 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 ZROADZ 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. 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.

Please contact your local ZROADZ dealer for more information or visit www.zroadz.com.

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.