



# 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.

\* 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.

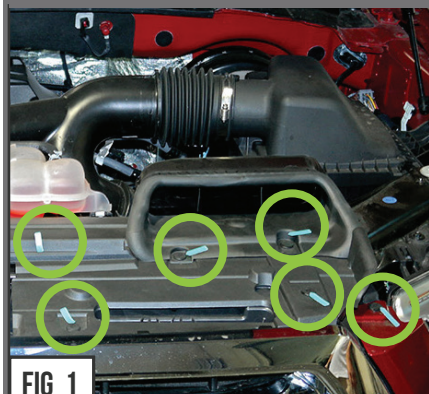


FIG 1



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

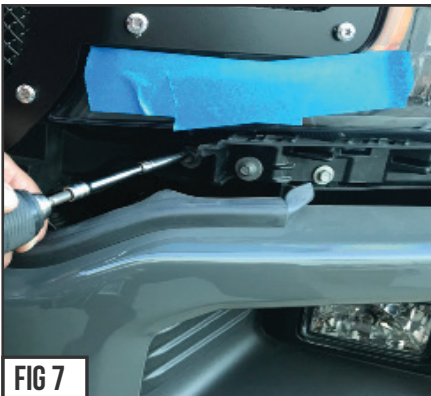
4) Remove Plastic Bumper Cap Fascia as seen in Fig. 5. You may need to remove wheel arch moulding, if equipped. You will need to coax panel out and off catch tabs to remove completely.

### 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

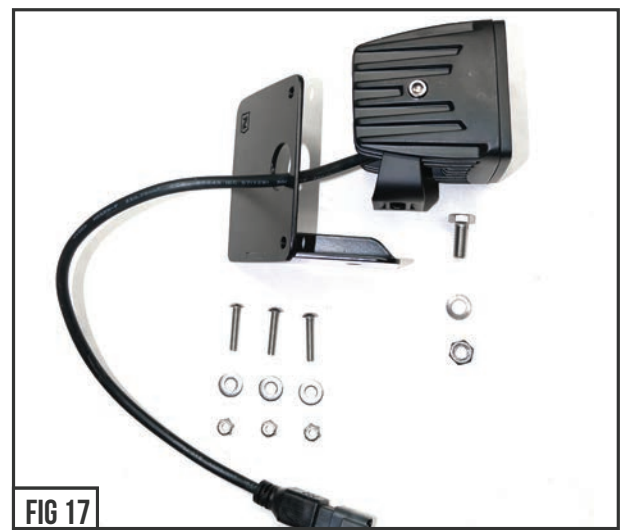
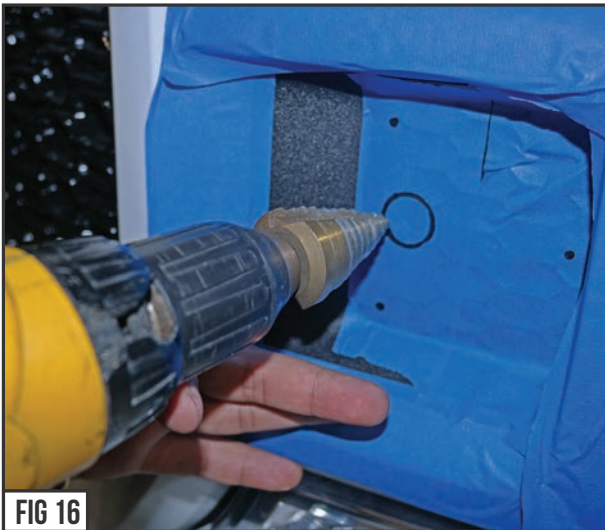
### SEE FIGURES 13 - 15

- 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