



SKU: 25-3001

GRILL LIGHT BRACKETS FOR 2015+ F150



KIT CONTENTS

- (2) STAINLESS STEEL BRACKETS**
- (8) NYLON SPACERS (1/2" X 1/8")**
- (8) NYLON SPACERS (1/2" X 1/4")**
- (4) 10-24 X 1" BUTTON HEAD BOLTS**
- (4) 1/4"-20 X 3/4" BUTTON HEAD BOLTS**

- (4) 10-24 NYLON-INSERT LOCKNUTS**
- (4) 1/4"-20 NYLON-INSERT LOCKNUTS**
- (16) 1/4" WASHERS**

(OPTIONAL): LIGHTS & WIRING HARNESS

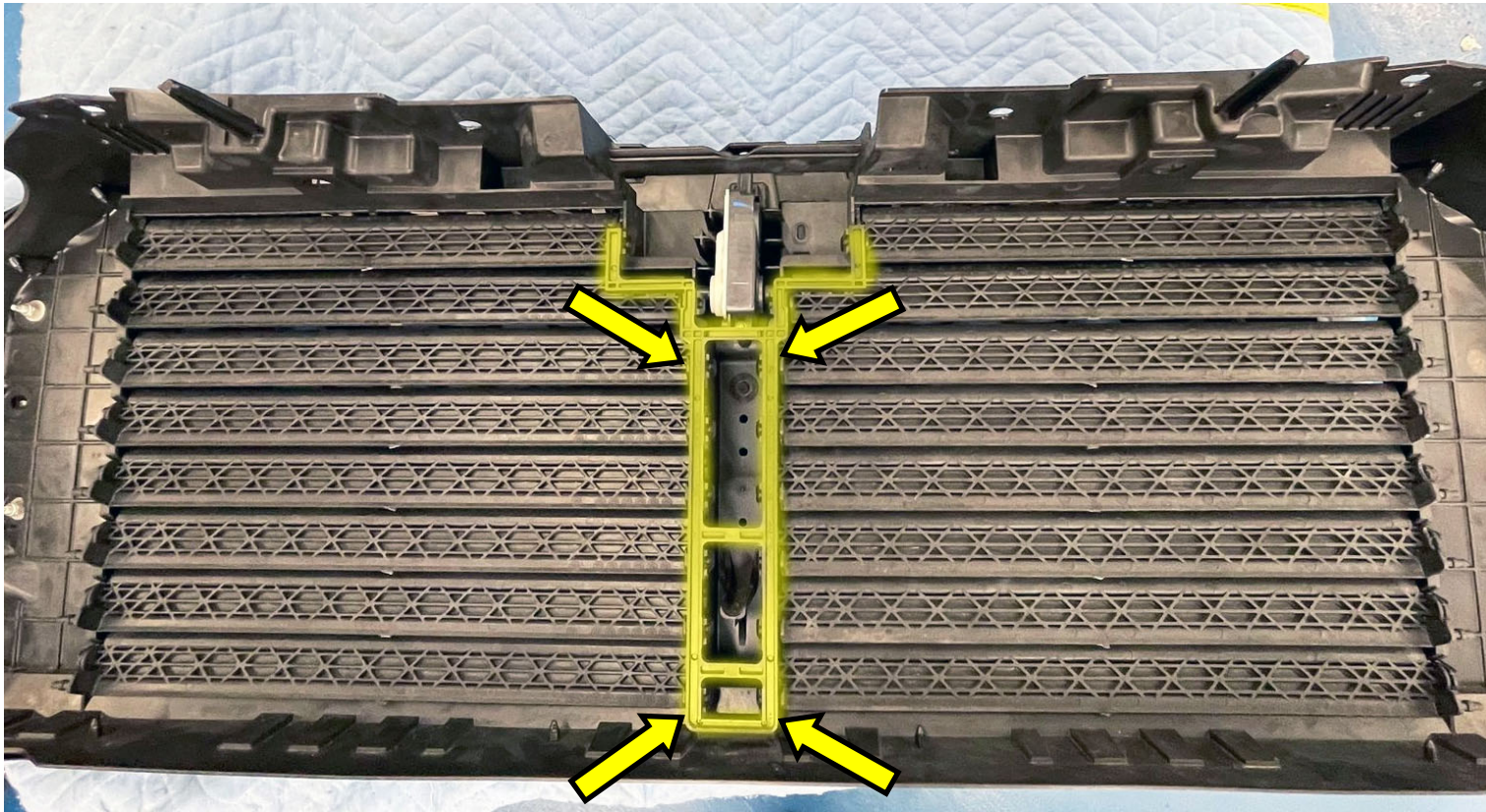
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1. REMOVE GRILL

First you'll want to remove your grill from your truck. Due to the variations of grilles on the market it's recommended to lookup a grill removal video on youtube or google for your specific truck.

2. REMOVE ACTIVE SHUTTERS

Once the grill is removed place it on a padded surface with the front facing down. There is a bracket that locks the plastic shutters together to the motor. Remove this by carefully pulling on each tab connecting the active shutters to this bracket. Once this bracket is removed the active shutters will be loose. Depending on your grill and the lights you select you'll need to remove anywhere from 3-5 shutters per side. You can always re-install shutters after the bracket is installed. To remove the active shutters simply bend the shutter from the center a bit to pull it out from the alignment holes. We recommend starting at the bottom and removing 5 shutters to begin with.



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3. INSTALL BRACKET

Now you'll install the KR Off-Road bracket into the opening you created from Step 2. There are 3 slots on each side of the bracket which will allow you to install the bracket in a number of ways (this allows clearance for different lights). We recommend mounting the bracket using the center slots to start with. However if the bracket is sticking out too far forward or back you can use another slot. Please note that there are two different kinds of nylon spacers in your kit:

- 2015-2020 F150s will use the 1/2" x 1/4" (thicker) nylon spacers
- 2021+ F150s will use the 1/2" x 1/8" (thinner) nylon spacers

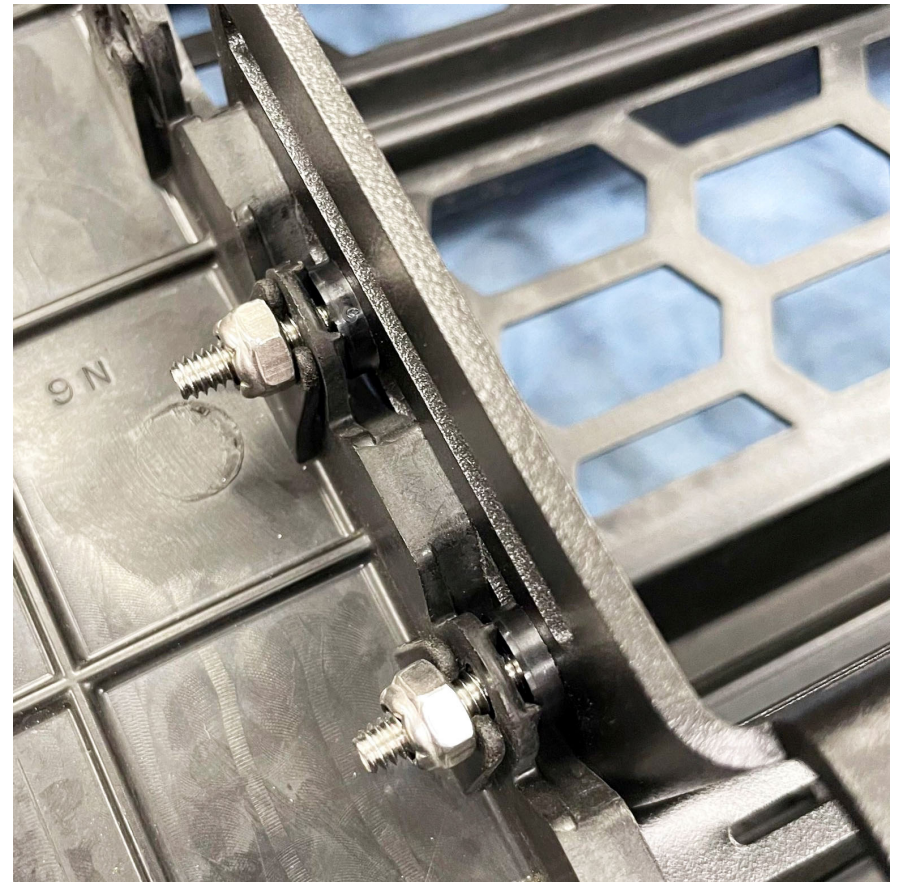
You'll use the longer (but smaller bolt head) 10-24 x 1" bolts on the outsides of the bracket and the shorter (but bigger bolt head) 1/4"-20 x 3/4" bolts on the inside of the bracket. Insert a washer onto the bolt first and then insert the bolt through the KR Off-Road Bracket. This bolt will then pass through a nylon washer on the opposite side and into the active shutter mounting hole. Then a lock nut will be installed. Mount your bracket but leave everything loose for now.

We highly recommend the use of anti-seize on the bolts as they are stainless steel and may bind when the locknut is installed.

On certain trucks the bolt may self-thread into the plastic. Other trucks may have the plastic tab might interfere with the bolt and might need to be broken off or drilled slightly to allow clearance for the bolt. Install the inside bolts in the same manor as the outside bolts.

The image shown here is an example of how the bolts/spacers should look (this is a photo of the outside hardware).

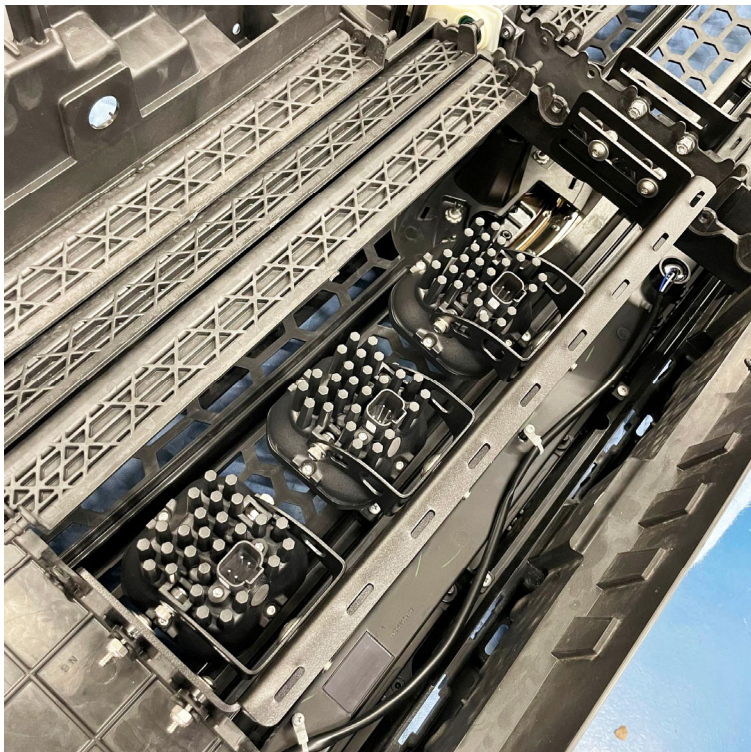
We recommend holding a light up onto the bracket temporarily so that you can adjust the vertical height of the entire assembly. You want the light to be centered through the grill opening. Once you determine the height you can tighten all of the bolts down.



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4. INSTALL LIGHTS

You can now install your lights. Follow the manufacturer's instructions that came with your lights to secure the light brackets to the lights. You can then install the entire light assembly onto the KR Off-Road bracket using the hardware that was supplied with your lights. Again we highly recommend the use of anti-seize on the bolts to prevent any binding during installation. Install the lights however you feel looks the best (centered in the grill opening is ideal but keep in mind they may not be centered on the bracket). Once the lights are installed you may be able to re-install some of the shutters removed in Step 2. Be sure the shutter moves freely and completely.



5. CONNECT HARNESS

Use the included harness to connect all of your lights together. We recommend installing the plastic bracket removed in Step 2 before routing the wiring harness to ensure your harness does not interfere with any of the shutters. Once your harness is routed/secure test the active shutters by moving the plastic bracket up/down to ensure that all of the shutters clear the harness. There will be extra slack on the harness as this harness is used for many applications. Simply secure the extra slack along the harness. You can now connect the other end of your harness to a switch panel. Each pair of lights is connected together. A, B & C. There is a common ground wire (black wire with ring terminal) for all of the lights.

