



Thank you very much for purchasing from M&R. We strive to provide a great product that is made by truck enthusiasts for truck enthusiasts.

## 2017+Ford Raptor Gen 2 Single 40in Light Bar

### **INCLUDED**

- (1) 40in Light Bars
- 2 Mounting Brackets
- Mounting bolts



\*Highly recommend to watch this video for installation assistance. It also explains how to take off the grille.

<https://youtu.be/qyUs7QwIPC8>

### **Step 1**

Take off the top cover of the grille by taking the plastic pins out. Pry them up with a screw driver and remove

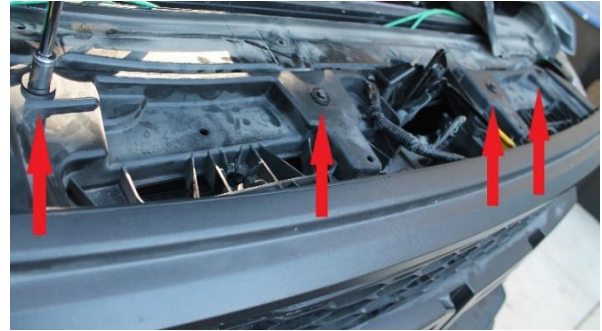
### **Step 2**

Remove the cover (highlighted in red) and pry open the headlight bezels. It's held on by clips.



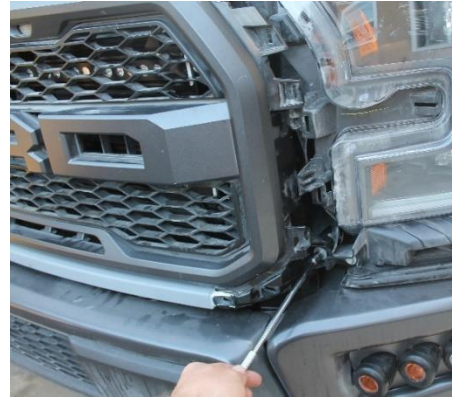
### **Step 3**

Remove the 4 top 10mm bolts



### **Step 4**

Remove the two 8mm bolts that are holding the grille from the bottom



### **Step 5**

Unplug all the electrical harnesses from the grille components

### **Step 6**

Remove the grille. You might need to lift it up and towards yourself. Nothing else is holding it

### **Step 7**

On the inner lower panel, there are 3 nut looking retaining clips that you need to unscrew and prop up with a screw driver to remove. Take them out



### Step 8

Remove the middle 8mm bolt that holds 2 sides of the grille structure



### Step 10

Insert the light bar brackets into the grille tabs as shown. You need to do one side at a time. Mount the lightbars in between them and secure.

**\*You choose where you want your light bar installed on top or below the FORD sign.**



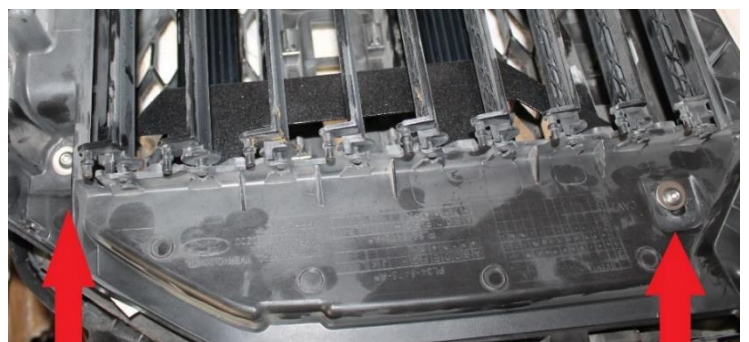
### Step 9

The two sides of the grille structure are held by 4 sheet metal screws that go into plastic. We did not like that so we are removing them and replacing them with threaded bolts that will screw in directly into our brackets to offer really sturdy setup. Hold one side with plyers and unscrew the bolt head from the other side.



### Step 11

Once you secure the lightbar, aim them, and get the wiring out of the 2 halves, now it's time to follow reverse steps to put everything together. We will use 4 M&R supplied bolts instead of the ones provided by FORD and they will go directly into our bracket. Picture below just shows 2 of the 4 bolts that hold both halves together.



## Step 12

Once you get everything back together, now it's time for the wiring. The recipient of this kit is responsible for the ground connector of their choice along with the positive wire needed to reach the connections by the firewall. Ford has conveniently setup your truck with aux switches and the wire hook ups are already powered unlike the Gen1 Raptor. This makes wiring a lot easier. If you look at the left side of the engine bay (see picture below) closer to the firewall, you will see 2 bundles of 6 wires each. The bundle on the left already has power going to it and that's the one you want. The bundle on the right is not it and should be left alone. See the chart to the right for reference.



## Step 13

Fuse negatives of the lights and ground them somewhere using factory bolts. Decide how many switches you want to control the kit. The white light Lightbar is 8.3Amps and the Amber is 4.2Amps, so use the appropriate Aux switches if you want them together or separate. You would need to extend the positive wires of the lightbars and use connectors to the AUX wiring.

2017 FORD RAPTOR	
Aux switch 1	Green with blue stripes (15Amps)
Aux switch 2	Gray with yellow (15Amps)
Aux switch 3	Violet with orange stripes (10Amps)
Aux switch 4	Brown with blue stripes (10Amps)
Aux switch 5	Gray with orange stripes (5Amps)
Aux switch 6	Yellow with violet stripes (5Amps)
2018+ FORD RAPTOR	
Aux switch 1	Green with white stripes (15Amps)
Aux switch 2	Brown with blue (15Amps)
Aux switch 3	Gray with yellow stripes (10Amps)
Aux switch 4	Green with yellow stripes (10Amps)
Aux switch 5	Brown with white stripes (5Amps)
Aux switch 6	Green with orange stripes (5Amps)
2020 FORD RAPTOR	
Aux switch 1	Yellow (15Amps)
Aux switch 2	Green with Brown (15Amps)
Aux switch 3	Violet with Green stripes (10Amps)
Aux switch 4	Brown (10Amps)
Aux switch 5	Blue with Orange stripes (5Amps)
Aux switch 6	Yellow with Orange stripes (5Amps)

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