



Thank you very much for purchasing from M&R Automotive. We strive to provide a unique off-roading lighting product that is made by truck enthusiasts for truck enthusiasts.

2021+Ford Raptor Gen 3

Center Bumper Kit

INCLUDED

- (5) 40watt pillars
- Metal mounting brackets
- Mounting Hardware
- M&R Wiring harness



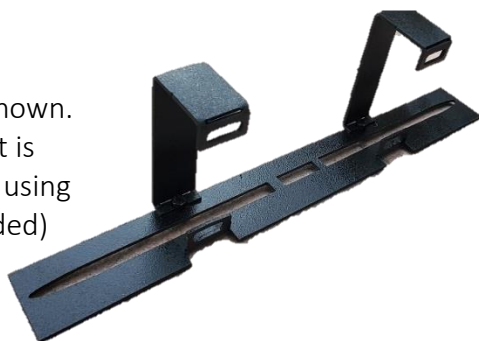
Step 1

Remove the 2 plastic trim pieces from the front bumper. The panels just pop off with some force since they are held on just clips. Do not be afraid to yank them a little. Once the 2 sides are removed, the center grill can be unsnapped as well. **TIP** – use a trim pry tool



Step 2

Assemble the mount as shown. The top part of the mount is connected to the bottom using 2x1/4" bolts/nuts. (included)



Step 3

Once the bracket is assembled, install the lights onto the main bracket using the provided hardware. Install up to 4 of the lights onto the bracket. If you purchased the 5-light kit, it helps to install the last light once the mount is already attached to the bumper. It helps to fuse the wires together before installing to assist with space management.



Step 4

Insert the bracket having the light LEDs facing up. Once inserted and rotated into correct position, install the 4x1/4 bolts that are included with the kit through the factory tabs in the bumper.



Step 5

Now it's time for the wiring.

Your Center Bumper Kit came with an M&R Wiring harness which allows you to connect to AUX switches.

Ford has conveniently setup your truck with aux switches and the wire hook ups are already powered. This makes wiring a lot easier. Please check page 659 of your factory user manual for the steps necessary to connect AUX products to the switches. Ford states they are between the battery and the passenger fender, but we had better luck removing the fender cover and doing the connections from the bottom of the wheel well.

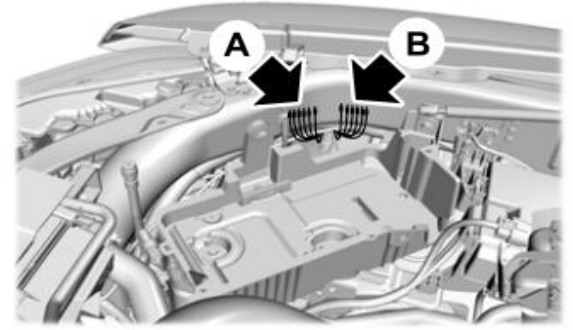
Wiring Scheme for the lights

Black → Ground

Red → Power to White lights

White → Power to Amber markers

LOCATING THE AUXILIARY SWITCH WIRING



There are three sets of blunt-cut and sealed circuits. Two sets are under the hood and behind the battery tray, and one set is inside your vehicle at the passenger footwell.

The powered set (A) is taped behind the battery tray and has a red spot tape mark.

The second set (B) is also under the hood. It is taped behind the battery tray and has a white spot tape mark. This set routes to the interior passenger footwell.

Remove the battery and battery tray to access the underhood circuits.

IDENTIFYING THE AUXILIARY SWITCH WIRING

The relays are coded as follows:

Power Distribution Box	Wire Color	Under-hood Pass Through	Wire Color	Passenger Footwell	Wire Size	Fuse
AUX 1	Violet/Green	AUX 1	Violet/Green	AUX 1	1.0 mm ²	10A
AUX 2	Green/Brown	AUX 2	Green/Brown	AUX 2	1.0 mm ²	15A
AUX 3	Green/Blue	AUX 3	Green/Blue	AUX 3	1.0 mm ²	15A
AUX 4	Brown	AUX 4	Brown	AUX 4	1.0 mm ²	10A
AUX 5	Blue/Orange	AUX 5	Blue/Orange	AUX 5	1.0 mm ²	5A
AUX 6	Yellow/Orange	AUX 6	Yellow/Orange	AUX 6	1.0 mm ²	5A