



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.

2021+Ford Raptor Gen 3 Fog Light

INCLUDED

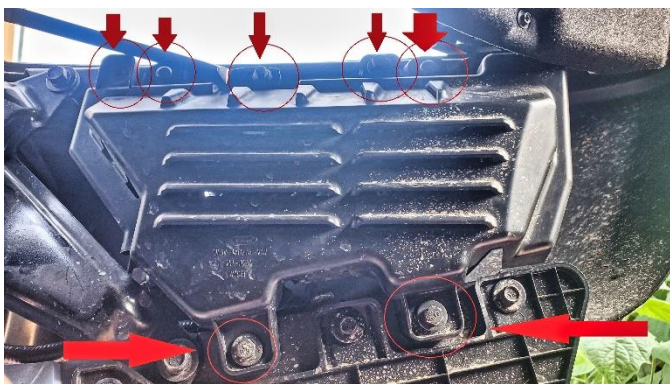
- (6) 20w Square Lights
- 2 Metal Brackets
- All mounting hardware
- M&R Wiring harness



This product has been designed to either replace the factory fog light kit or installed to vehicles without the fog light options.

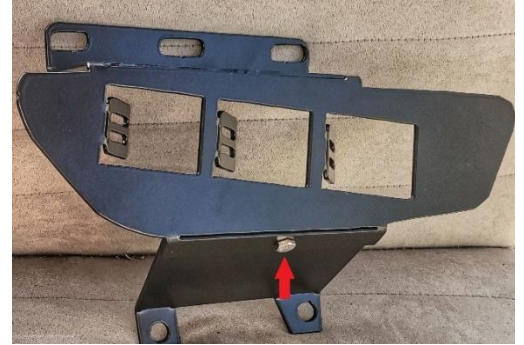
Step 1

Remove the factory fog kit and cover bolts to remove your OEM Kit. There are a total of 7 bolts (5 are hex and 2 are torx (star pattern)). One of the bolts holds the bumper support rod that will be reinstalled when the fog kit is in.



Step 2

Assemble the 2 parts of the shroud with the 1/4" bolt and nut provided

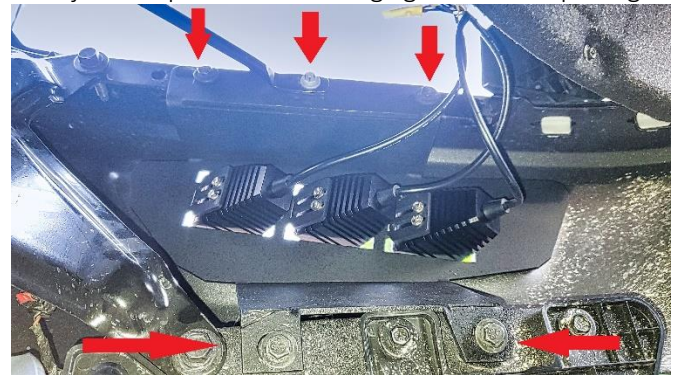


Step 3

Install the lights into the shroud using the M4 bolts supplied (2 per light). Repeat for all 6 lights. Place a drop of supplied thread locker on the bolts when screwing in to make sure it does not get loose over time.

Step 4

Install the 4 M6 bolts supplied with washers and one bolt that you are reusing for the bumper support rod. Start with just threading each bolt and tightening them to adjust the position of the fog light and the opening.



Step 5

Now it's time for the wiring. *(If you purchased M&R wiring harness, this is all provided for you) →The recipient of this kit is responsible for the ground connector, a few 10-gauge crimp connectors of their choice along with the positive wire needed to reach the AUX switch connectors.

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.

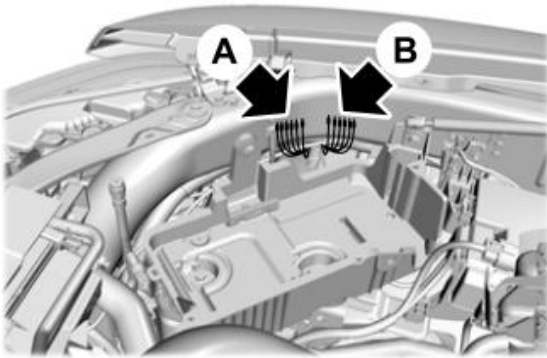
Fuse ground wires (blue) of the lights and ground them somewhere near the bracket. You can even use the bolts that hold the mounting brackets. Now you would need to extend the positive wires (brown for white and yellow for amber back glow) of the lights and connect them to the wire according to the chart. Please reference your user manual or email us and we can help.

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

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.

ENJOY YOUR ADVENTURE!
&
“FOR OFFROAD USE ONLY“