



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 Hood Mount/Ditch Light

INCLUDED

- (2) 40watt Pillar Lights
- 2 Brackets
- M&R Wiring harness



Step 1

Lift the rubber trim from the edge of the Windshield wiper cover. You will see the 10mm bolt that we are going to use for the mount.



Step 2

Reinstall the bolt with the M&R Hood mount bracket. An extension on the ratchet assisted the installation in our experience.



Step 3

Attach the brackets to the lights.



Then bolt on the light pod onto the hood mount bracket



Step 4

Now it's time for the wiring. Your hood mount kit comes with an M&R wiring harness to reach the AUX switch wires. 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 had better luck removing the fender cover and doing the connections from the bottom of the wheel well.



Wiring Scheme for the lights

Squared Lights

Black → Ground

Red → Power to White lights

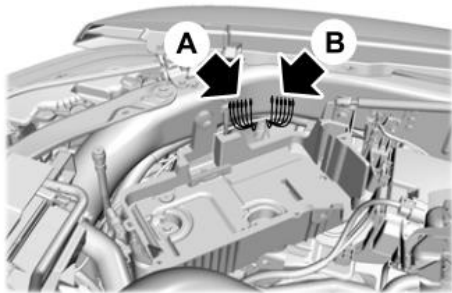
Blue → Power to Amber markers

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”