



**2017+ FORD RAPTOR M&R LED HOOD MOUNT KIT  
INSTALLATION INSTRUCTIONS**



## Description:

M&R presents to you the Gen2 Raptor Hood Mount kit. Each light is 40w and puts out 4000 lumens in a 5 degree spot pattern allowing it to get great distance. That's a total of 8000 lumens for the whole kit. And it has an awesome amber back lighting to match the rest of the raptors amber accent lighting. It can be tapped into DRL's or hooked up to aux switches. Please note that this product is for offroad use only. Please check your local regulations about street use.

- Tools needed for installation:
  - Flathead screwdriver
  - 1/4" drive ratchet
  - 1/4" drive 10mm socket
  - 2 13mm open end box wrenches
  - Wire crimpers
  - Metric allen wrenches
  
- Items needed for wiring:
  - 16 AWG red stranded automotive grade wire 15ft
  - 16 AWG black stranded automotive grade wire 10ft
  - 16 gauge barrel connectors qty 10
  - 16 gauge 1/4" diameter ring terminals qty 2
  - Electrical tape, and 1/4" diameter wire loom

## **Installation:**



- 1. Carefully unbox the light pod contents**



**Contents should include 2 light pods, 4 brackets, and 2 hardware bags.**

- 2. Layout hardware and apply blue Loctite 242 threadlocker.**



**3. Attach the light pod bracket to each light pod.**



**We suggest to only snug up the bolts for now. You will need to aim the lights once installed, and then tighten.**



**4. Remove wipers from vehicle. This is actually very easy and no tools are required. Simply lift up on the latch on the wiper near the hub, then remove. Then using a flathead screwdriver, gently pry the clips for the wiper tray and lift.**



**Using a 10mm socket or wrench remove the upper fender bolt on the driver and passenger sides.**



**5. Apply Loctite 242 to the threads of the fender bolts and insert into bracket. Notice the curved part of the bracket, this should match the contour of your windshield.**



**Install the bracket using the factory 10mm bolt.**





**You should now be able to lower the wiper tray back into place, and flex the wiper tray around the light pod brackets. No cutting or modifications are required.**



**6. You can now grab the light pod assembly and bolt it to the bracket using the supplied hardware. Make sure to use Loctite 242 on the threads, and tighten with 2 13mm wrenches.**



**7. Now that the light pods are properly installed it's time to start the wiring portion of the install, this is actually very easy and won't take much time.**

**Simply route the wires through the bottom of the wiper tray, and into the engine bay.**



**Attach a ring terminal to the black wires and attach them to a good chassis ground or the battery ground. Add wiring length as needed with the barrel crimps and additional wire. The red and blue wires go to your upfitter switch wiring on the passenger side firewall. You can wire the amber halos independently or together on the same switch. Make sure to properly crimp all the connections and to tape up any exposed connections. We also suggest you cover the wires with wire loom.**

