



Universal Light Bracket Installation Guide

Gen 2 Raptor
OffroadAlliance.com

Please use proper tools and safety equipment when installing lights and bezel kit. Safety glasses or goggles are mandatory. Note that the Ford Raptor bumper cutouts can have slight variations in size from truck to truck and from one side to the other.

Hardware:

Quantity	Hardware
2	SS Bolt 1/4"x3/4"-20
4	Flat Washer 5/16"
2	Lock Nuts 1/4"x20
6	8mm x1.25 20mm Bolt
6	Lock Nuts 8mmx1.25mm
12	Large Washer 3/8" SS 18-8 Oversized



1 Bolt-In Bracket

- Reuse the bolt from the support arm
- Use a 1/4"-20 bolt and 2x 5/16" washers for the upper hole.



2 Fit the Lights

- Use x6 8mm bolts (if using Baja Designs S1 lights there is no need to change the bolt)
- Use the large fender washers to prevent the nuts from falling into the bracket slots.



3 Wiring

- The pass through wires for the switches are taped to the wire bundles. **2017 trucks are taped to the outer bundle and 2018+ are taped to the inside bundle on the passenger's side.**

The Purple Wire: If you have a light with a halo (Rigid Radiance, Vision X Halo, etc) connect the purple wires at the whips to power the halo; **otherwise, ignore the purple wire on the wiring harness it is only for backlighting.**

Rigid Radiance lights: When using rigid radiance lights you may add DT connectors to the lights red and black wire. The white wire for the halo can be connected to the purple wire in the Raptor Lights harness.

.Wiring amperage capabilities in the truck are as follows:

Auxiliary Switch (Amp)	Under Hood Wire 2017 only	Under Hood Wire 2018-2019	Under Hood Wire 2020+
Aux 1 (15)	Green/Blue	Green/White	Yellow
Aux 2 (15)	Gray/Yellow	Brown/Blue	Green/Brown
Aux 3 (10)	Violet/Orange	Gray/Yellow	Violet/Green
Aux 4 (10)	Brown/Blue	Green/Yellow	Brown
Aux 5 (5)	Gray/Orange	Brown/White	Blue/Orange
Aux 6 (5)	Yellow/Violet	Green/Orange	Yellow/Orange
Ground	Black	Black	Black

DISCLAIMER:

It is extremely important to ensure that all light bracket and mounting plate hardware is completely tight, especially for those owners who off-road their Raptor. With proper installation, the hardware kit supplied with each bezel kit is robust enough to withstand moderate off-roading. It is necessary to completely tighten the brackets on the lights themselves, and we recommend the use of thread locker to prevent the factory supplied light brackets loosening from the light due to extreme vibration. It is also recommended that you check all bolts and retighten from time to time especially when off roading. For extreme/abusive off-roading environments, we recommend removing the bezels prior to aggressive off road driving to prevent potential damage or loss to the bezels. Like anything else on your truck, the Offroad Alliance brackets and bezels are not impervious to abuse.

