



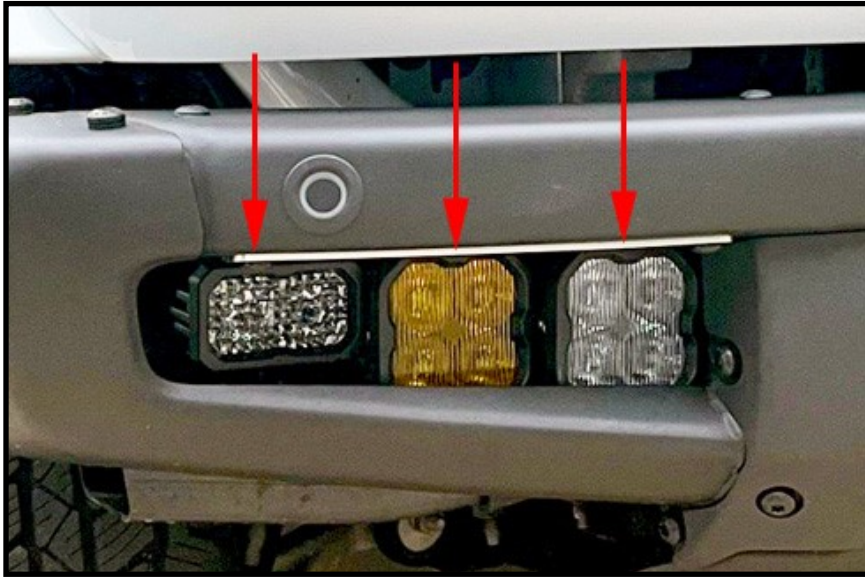
## **DUAL/TRIPLE FOG LIGHT KIT (2021+ FORD BRONCO)**



### **KIT CONTENTS:**

- (2) STAINLESS STEEL BRACKETS (DRIVER & PASSENGER)**
- (1) INSTRUCTIONS**
- (1) WIRING HARNESS (optional—included with full light kit)**

# TRIPLE FOG LIGHT KIT (2021+ FORD BRONCO)



## 1. REMOVE FACTORY BOLTS

There are three (3) factory bolts on each side in the fog pocket opening. Using a Torx Plus 40 (TP40) bit, remove the factory bolts. **DO NOT** use a Torx 40 (T40) bit, you must use a Torx Plus (TP40) bit.

## 2. ADJUST LIGHT BEZELS/LENSES

Some lights (such as the Baja Designs Squadron & S2 lights) will be mounted upside down (as they hang upside down from the brackets). These lights will still function properly however the logo/lens will be upside down. If this is the case you'll want to remove your lights bezel and rotate them 180° (in the case of Baja Designs, there are 4 torx bolts on the front of each light). You'll also want to make sure you rotate the lens as well so that the logo and pattern is in the correct orientation.

In the case of Diode Dynamics, they do not need to have the bezels/lenses removed. The manufacturer's brackets allow you to mount the lights in various orientations.

**Optional:** Depending on which lights you order, KR Off-Road Extension Brackets may be available that will allow you to hang the lights in an up-right manor. These extension brackets are optional and are essentially longer brackets that replace the small brackets in step 3 below. They are not required however if you are flipping your bezels/lenses.

## 3. INSTALL LIGHTS ON SMALL BRACKETS

Each pair of lights will include smaller brackets (from their respected manufacturer). Following the light manufacturer's instructions, mount your lights to the smaller brackets. These smaller brackets hold the light to the KR Off-Road brackets. See the photo on the next page for a reference to determine the drivers side from the passenger side.

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## 4. MOUNT LIGHTS TO KR OFF-ROAD BRACKET

You'll now mount your lights to the KR Off-Road brackets. Use the supplied hardware that came with your lights. There are numerous ways to mount your lights (by design) so you'll want to experiment with what works best for you. Make sure whichever channel on the bracket you use, allows for the up/down rotation of the light (you don't want the light to hit the front of the bracket where the 45 degree bend is). You'll also want to experiment with where you install the lights in relation to each other. Try as best as you can to create an equal distance between the lights. Tighten the lights to the bracket just enough that you can still slide the lights around but not loose enough where they slide freely. You'll tighten these all the way down later when you align the lights.

Each light has 2 bolts (1 on each side) that keep the light from tilting up/down. Tighten these just enough that you can still tilt the lights up/down once the entire assembly is installed on the truck. You'll tighten these all the way down later when you align the lights.

The lights will hang underneath the assembly (shown below). The assembly installs as shown, with the assembly angling upwards and into the fog opening cavity.

**NOTE:** If using lock nuts (provided with the Baja Designs lights) it is recommended by the manufacturer to use some anti seize lubricant on the bolts to avoid the stainless bolt from binding on the lock nut.

## 5. INSTALL ASSEMBLY INTO TRUCK

With the lights mounted to the KR Off-Road brackets, mount the entire assembly into the fog pocket opening on your truck. The easiest method is to slide the assembly in from the rear of the opening, just in front of the front wheel. Refer to the following photo to determine which side is your passenger and driver side (Note: The brackets you receive may differ slightly depending on the lighting configuration you ordered)



**PASSENGER SIDE**

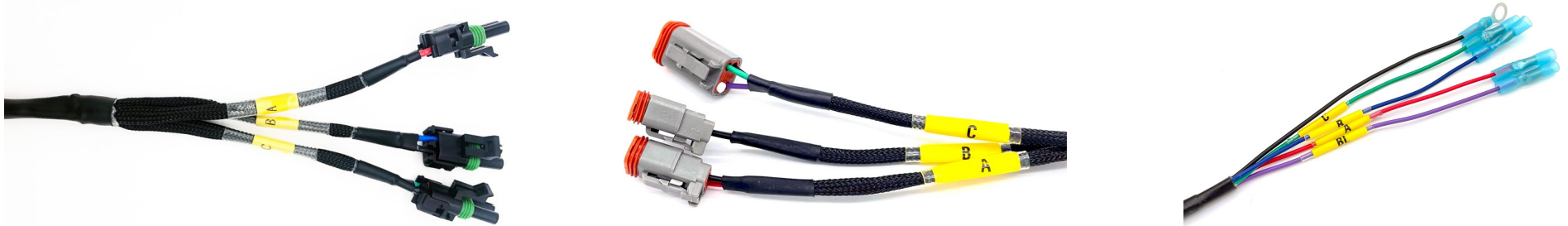
**DRIVER SIDE**

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## 6. CONNECT WIRING HARNESS

If included in your kit, route your harness to your lights and plug in the connectors. Your harness may be labeled (A, B, C) to help you identify which pairs of lights connect together. Match the pairs to each other (inside together, outside together, center together). Route your wire harness as you see fit through the vehicle. The most popular method is to route the harness over the skid plate and place a zip tie on the drivers side and passenger side to keep the harness from moving. Then route the other end of the harness up past the headlight and into the engine bay. Finally route the harness to your upfitters (or switch system) and connect the wires according to the diagram on the next page.

Please note, that there may be 3 or 4 power leads for your lights. In the case of Baja Designs lights, there will be 3 power leads (A/B/C) and a ground wire. In the case of Diode Dynamics or Rigid Industries Radiance you may have 4 power leads (A/B/C/BL). The 4th wire is your back-light control wire. When this control wire is powered the back-light feature of your lights will activate.



## 7. UPFITTER SWITCH WIRING

You will find two sets of wires inside your engine bay (driver side firewall) for your upfitters. One set are **hot** and lead to the upfitters while the other side are passthrough wires (they just go into the cabin for future use).

You'll want to strip back a portion of the desired upfitter wire and crimp it onto the desired wire connector on the fog light harness.

The ground cable can be secured to a grounding point within the engine bay (there are various nuts you can utilize).

Refer to the chart on the following page to determine the amperage loads for each upfitter.



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<u>SWITCH</u>	<u>MAX AMPERAGE</u>	<u>WIRE COLOR</u>
Aux 1	30 Amp	Yellow
Aux 2	15 Amp	Green/Brown
Aux 3	10 Amp	Violet/Green
Aux 4	10 Amp	Brown
Aux 5	10 Amp	Blue/Orange
Aux 6	10 Amp	Yellow/Orange

## DO NOT EXCEED THE MAXIMUM AMPERAGE LOADS FOR AN UPFITTER

Baja Designs S2 Sport (Pair): 1.8 Amps Max

Baja Designs S2 Pro (Pair): 3.32 Amps Max

Baja Designs Squadron Sport (Pair): 4.0 Amps Max

Baja Designs Squadron Pro/Racer (Pair): 6.66 Amps Max

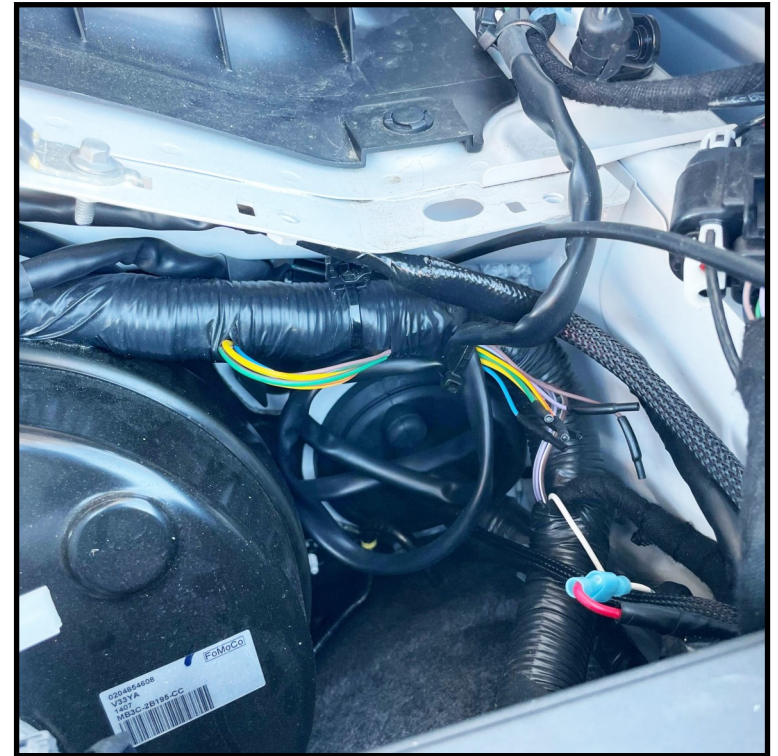
Diode Dynamics SS3 Sport (Pairs): 2.2 Amps Max

Diode Dynamics SS3 Pro (Pairs): 5.4 Amps Max

Diode Dynamics SS3 Max (Pairs): 6 Amps Max

Diode Dynamics SSC2 Sport (Pairs): 1.2 Amps Max (1.2 Amps Max for Back Light)

Diode Dynamics SSC2 Pro (Pairs): 4 Amps Max (1.2 Amps Max for Back Light)



## 8. FINAL ALIGNMENT

Finally park your vehicle about 25' (on level ground) from a clear wall. Turn your headlights on and adjust your fog lights based on what works for your driving needs. Fog Lights and Wide Cornering should be aimed low and below the headlight's low beams to cover the ground in front of your vehicle. Driving & Combo lights should be centered with the headlight's low beams. Flood lights work best when slightly angled off to the side to light up ditches. Spot lights work best when aimed just above the headlight's low beams. Once everything is aligned, tighten all of the bolts down to prevent the lights from moving.