



SKU: 30-2009

DUAL FOG LIGHT KIT (2021+ FORD BRONCO) w/CAPABLE BUMPER



KIT CONTENTS:

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

FOG LIGHT KIT (2021+ FORD BRONCO)



1. REMOVE FACTORY FOG LIGHTS

Remove the factory fog lights & rear bezel from the capable bumper. There are (11) 8mm bolts that hold the bezel and fog lights. One (1) of these bolts is hidden under the bezel, which is accessible once the bezel is removed.



2. MOUNT LIGHTS TO BRACKET

Following the Diode Dynamics guidelines, attach the small SS3 brackets (which are in the SS3 box) to the SS3 lights. Then attach the SS3 assembly onto the KR Off-Road bracket. It's recommended to lay the bracket on a flat surface to aid in installation (the front of the lights should be flush with the KR Off-Road bracket). Be sure to leave an even gap on the left/right of the light.

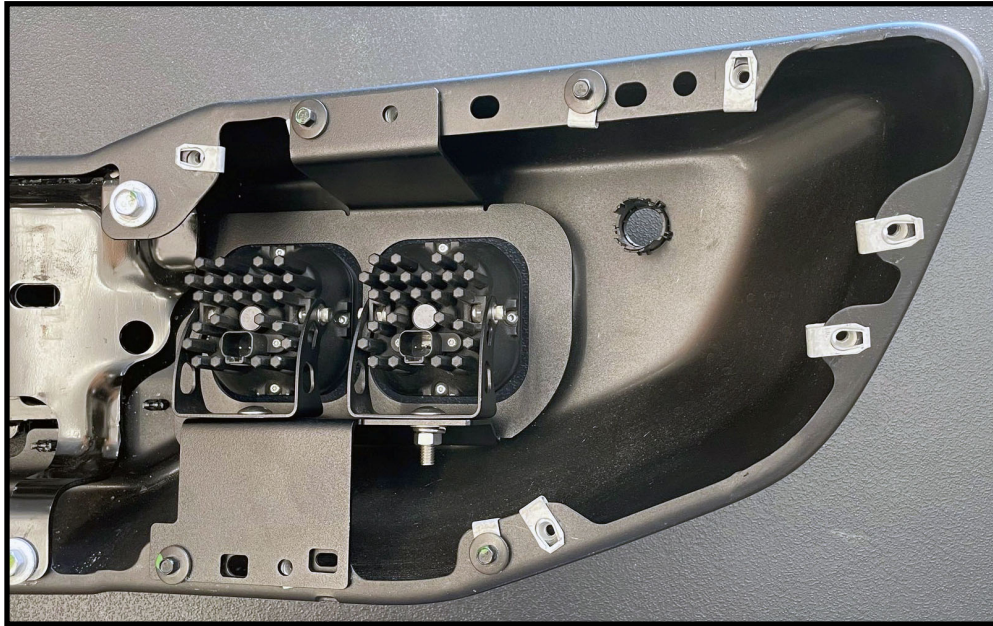
We recommend tightening everything down so that it's tight, but can still move when some force is applied (this will help you later during alignment).



FOG LIGHT KIT (2021+ FORD BRONCO)

3. INSTALL ASSEMBLY ONTO BUMPER

You'll now install the entire assembly into the bumper. Please make sure that all (11) of the clip-on nuts are attached to the bumper (these can sometimes fall off). Insert the KR Off-Road fog assembly into the bumper and re-install (2) of the 8mm bolts to hold the assembly in place (as shown). The remaining (2) bolts will be installed later after the bezel is re-installed. There are (2) additional 8mm bolts you will install as well, which do not hold anything down (shown in the photo installed), These are spare nuts/bolts but it's recommended to secure them regardless. Shown in this photo is the passenger side for reference. This will be opposite for the driver side.



4. ATTACH WIRE HARNESS

Attach your pigtails and wiring harness to the back of each light. Your kit will include (1) pair of OEM Fog Light Pigtails and (1) Upfitter Harness. Decide which of your two lights will be controlled from your factory fog light switch and plug the pigtail into the back of the light. Then plug the other end into the factory wire you disconnected earlier from the factory fog light. The 2nd light will be controlled from an upfitter switch, so plug that that end into the back of the 2nd light (the longer part of the wire harness will go on the passenger side). 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.

FOG LIGHT KIT (2021+ FORD BRONCO)

5. BACKLIGHT WIRING (OPTIONAL)

If you opted for back-lit SS3 lights you'll have an extra wire off the included factory pigtail. This extra wire will be spliced onto the upfitter harness that connects to the 2nd pair of lights. Simply use the included T-tap and clamp it down onto the purple wire on the CrystaLux upfitter harness. You'll do this for both sides.



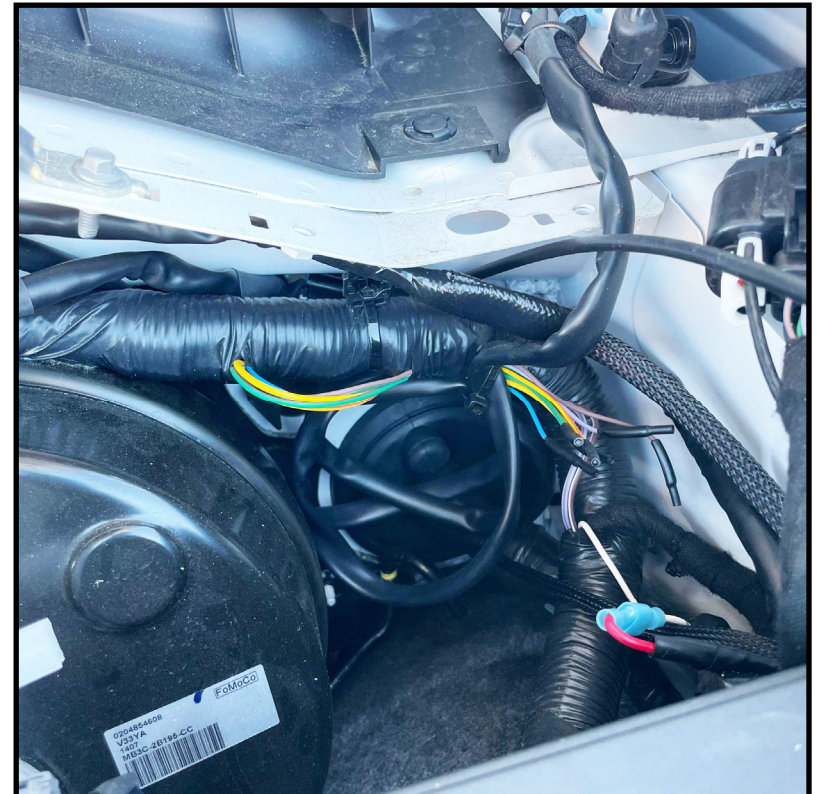
FOG LIGHT KIT (2021+ FORD BRONCO)

6. 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 bolts you can utilize). Refer to the following chart to determine the upfitter switch wire colors. You can utilize any upfitter switch for your SS3 lights.

If your lights are equipped with a back-light feature your harness will have another power lead (labeled with a "BL") which controls the back-light. This can get wired to an upfitter as well. Additionally, the included OEM Fog Light Pigtails will have a control wire on them as well. If you choose to connect this back-light control wire you can route it up to the upfitter wires and connect them as you see fit as well (you can twist the wires together and splice them into one upfitter wire if you choose to).

<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



FOG LIGHT KIT (2021+ FORD BRONCO)

7. ALIGN FOG LIGHTS

Once both sets of fog lights are installed 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. Once the lights are lined up you can tighten down the bolts that hold the lights to the KR Off-Road bracket. You can also tighten down the bolts that hold the SS3 light to the SS3 bracket (you may not be able to tighten down the 2 center bolts, so tightening down the outer bolts should be tight enough to prevent the light from moving around).

8. INSTALL THE REAR BEZEL

Now that the lights are installed and aligned you can finish the installation by bolting on the rear bezel. You'll use the remaining (7) bolts to do this.

