



SKU: 30-2008

FOG LIGHT KIT (2021+ FORD BRONCO)



KIT CONTENTS:

- (2) STAINLESS STEEL BRACKETS (DRIVER & PASSENGER)**
- (2) SPACERS FOR BAJA DESIGNS (optional — included with Baja Designs Kit)**
- (1) INSTRUCTIONS**
- (1) WIRING HARNESS (optional—included with full light kit)**

FOG LIGHT KIT (2021+ FORD BRONCO)

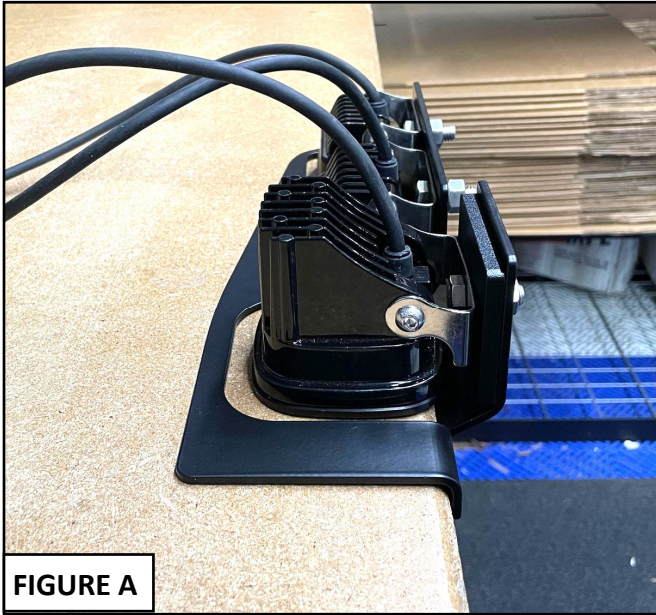


FIGURE A

1. INSTALL SMALL LIGHT BRACKETS

Install the smaller mounting brackets that were provided with your lights onto the lights themselves. Follow the manufacturers guidelines to install these smaller brackets.

NOTE: Some lights (such as the Baja Designs Squadron & S2 lights) will be mounted upside down (as they hang upside down from the brackets). If this is the case you'll want to remove your lights bezel and rotate both the lens and the bezel. If using Baja Designs lights be sure not to over-tighten the bolts as you re-install the lens as you could crack the lens if over-tightened. Also note that Squadron SAE rated lights should not be opened as this may void the warranty due to their SAE rating. Please contact your re-seller should you have questions/concerns about flipping lenses.

In the case of Diode Dynamics SSC2 you may need to flip the SSC2 lenses around however if you went with an SAE pattern. Please note that the lenses may not sit flush if you rotate them as there is a small plastic indexing tab on the back that needs to be shaved off. The purpose of this indexing tab is to assist Diode Dynamics employees during the manufacturing process of the lights. It can be shaved off to allow the lenses to be rotated 180 degrees.

2. MOUNT LIGHTS TO KR OFF-ROAD BRACKETS

Mount the lights to the KR Off-Road brackets after the smaller brackets have been installed. One tip for installation is to lay the bracket on the edge of a table (Figure A) to help align the front of the light bezels with the front of the bracket. Use the included hardware from each manufacturer to bolt the lights to the KR Off-Road brackets.

NOTE: If you have Baja Designs lights you'll need to install the provided (with full kits) spacer block between the KR Off-Road bracket and the Baja Designs Squadron light bracket (this is to allow the light to sit centered in the opening, see Figure B).

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.

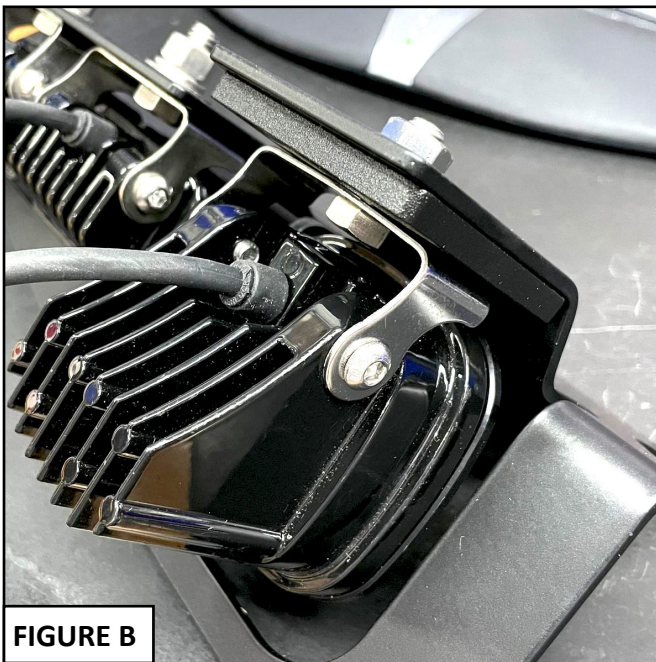
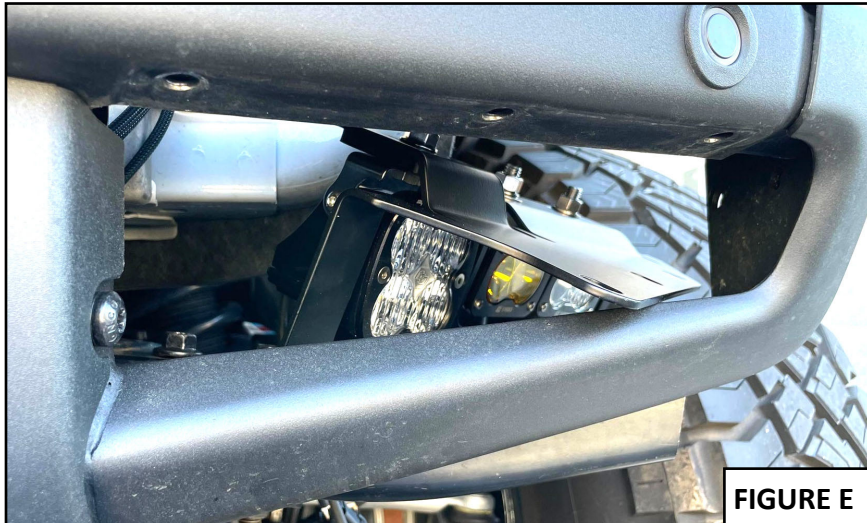
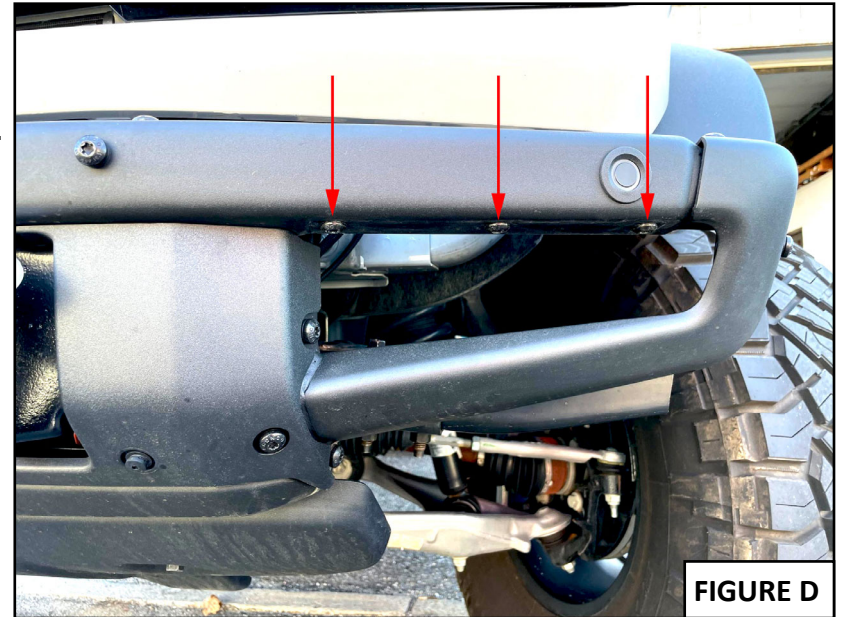


FIGURE B

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3. MOUNT FOG KIT TO TRUCK

There are three (3) factory bolts (Figure D) 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. Once the factory bolts are removed you can slide your fog kit assembly in. It's recommended to turn the wheel of the side you are working on outwards to provide additional room. If you angle the assembly 45 degrees you'll be able to slide it in (Figure E). Re-install the three (3) factory bolts.



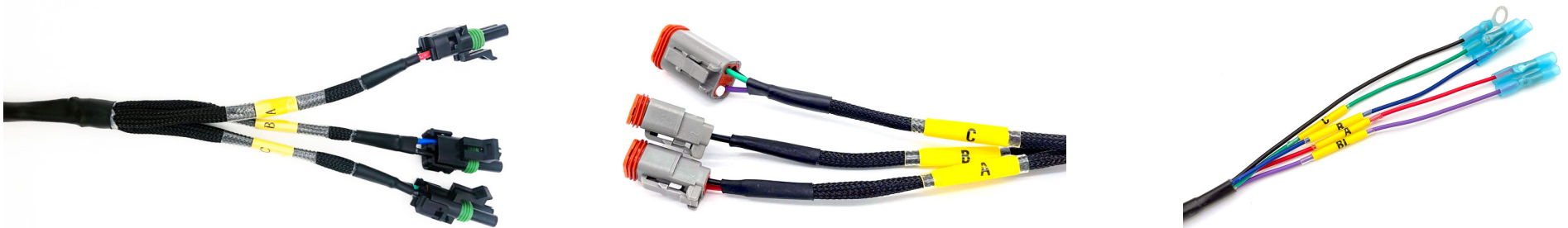
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4. CONNECT WIRING HARNESS

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.

You may have extra leads on your harness depending on the kit you have. We recommend placing tape over the extra connectors should you decide to use them later.



5. 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

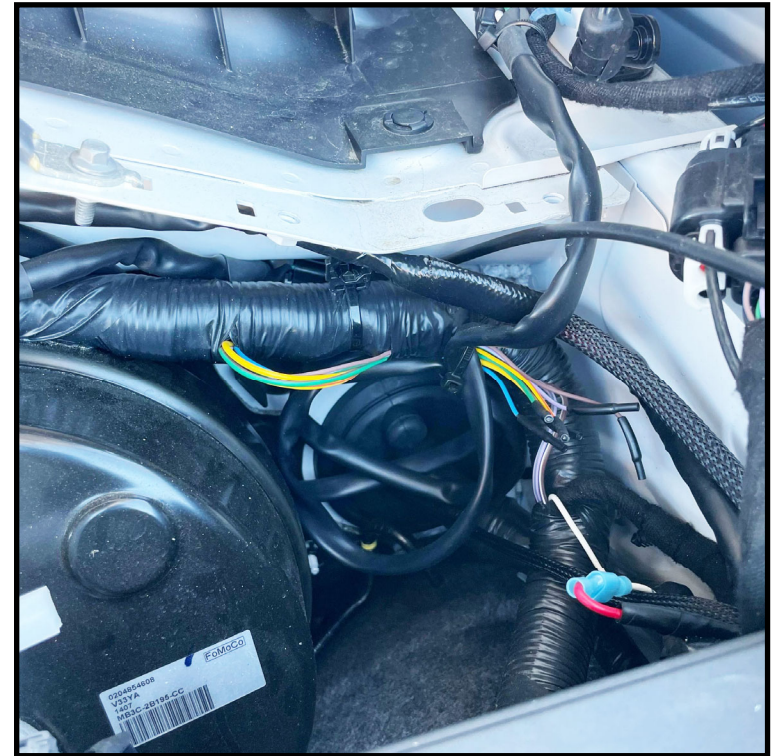
Diode Dynamics SS3 Sport (Pairs): 2.2 Amps Max

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)



6. 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. One recommendation is to remove the end cap on your bumper to allow for easier access to the bolts on the lights.