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The Scientists of Lighting

**Ford Raptor 2017-2018 S8 30" Grille Kit**

**44-7561**



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Baja Designs proudly offers a LIFETIME WARRANTY against manufacturer's defect on all of the products that we manufacture.

These are comprehensive warranties; other than the exclusions below – you're covered. If your LED or HID bulb burns out, you're covered. Additionally, cutting off our connector or changing your lenses does not automatically void your warranty.

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Installation errors, abuse, misuse or crash damage. You must be the original owner of the product and can supply proof of purchase.

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### **Instructions:**



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1. Remove plastic push pins (12 in total) located in the circled positions shown below.



2. Disconnect the two wiring connectors, and the quick-disconnect for the fluid washer fluid hose. Then remove the four bolts securing the front grille, shown below.



3. Gently pull on the painted fascia piece around headlight starting with the upper most section, closest to the push pin that was removed in the previous step. You will hear a distinct “pop” when the shroud is disconnected.
4. Remove the three push pins on each side of the grille, which attach the flexible rubber guards.



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5. Remove the 8mm grille support bolt located behind the painted headlight facia on the lower left and right hand sides.

**NOTE: Before you remove the grille from your vehicle, you may want to lay something down on your work space that won't scratch the grille.**

6. Gently lift grille up, one to two inches, and pull away from the vehicle to free it. Lay grille facedown and remove the seven nuts and one bolt outlined below. Then remove the four push pins on top of the grille.



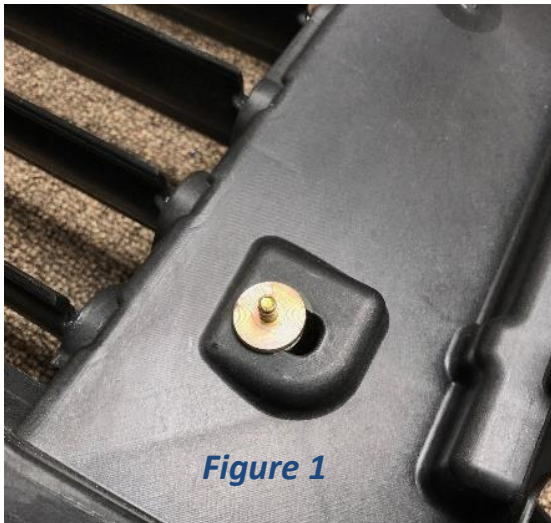
7. Separate the two sections of the grille and lay the inner-grille down, with the front facing upward.  
Loosely install the left and right brackets then the light. With all brackets assembled tighten bolts.
8. Pull the wiring to the front of the grille and use the hole in the bracket to zip tie the cord away from the louvres. Route the wire through the upper left hand corner of grille where there is already a slot cut out, as shown in the photo below.



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9. If all four of the gold studs remained in the front section of the grille when you removed the nuts in step 6 (resembling Figure 2), proceed to step 11.
10. If any of the gold studs remained in the rear section of the grille as you loosened the nuts in step 6 (resembling Figure 1) you will need to remove the nuts, and reinstall the studs into the front section of the grille. Once complete, all four corners of the front grille section will resemble Figure 2.



**NOTE: Removal of the studs can be completed by holding the flat or built-in washer portion of the stud with Channellock pliers, while backing the nut off with a 10mm socket or wrench. Make sure not to damage the threads on the studs.**

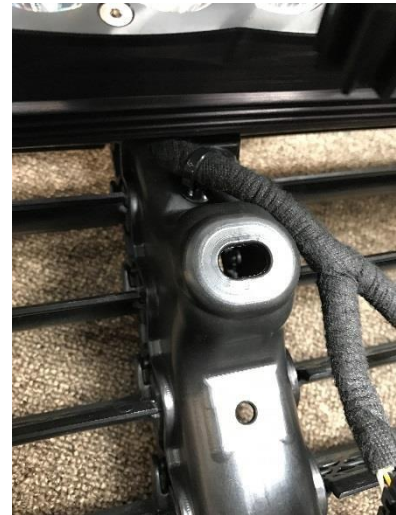


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11. With the light bar aimed straight ahead, lay the front section of the grille onto the rear section so you can make adjustments and route the wiring up and out of the grille assembly.

12. Once the light is angled in the desired direction, and wiring is secure, tighten the ¼-20 bolt on the outside of the brackets to lock in the orientation of the light.

13. Cut the factory zip tie that contains the push pin. Remove the old zip tie and insert the provided zip tie into the plastic fastening device. Pull wiring taut around the center mount, and tighten the zip tie to secure wiring in place.



**NOTE: Make sure wiring is routed down the correct side, as shown in the picture above.**

14. With the wiring secure, install and tighten down the seven nuts and one center bolt that were removed in step 6.

15. Install the grille assembly back onto vehicle and reattach all wiring, tubing, screws, and push pins from the disassembly process.

### Wiring:

1. Refer to the owner's manual for a 15amp auxiliary switch, and the appropriate wiring colors - (AUX 1 green/blue or AUX 2 gray/yellow).

**NOTE: THE AUX SWITCH WIRE COLORS LISTED ABOVE HAVE BEEN UPDATED FOR 2018. THE 2018 OWNER'S MANUAL MAY OR MAY NOT REFLECT THE NEW CHANGES LISTED BELOW.**

2017 Colors	2018 Colors
Aux 1 – Green/Blue	Aux 1 - Green/White
Aux 2 - Gray/Yellow	Aux 2 - Brown/Blue
Aux 3 - Violet/Orange	Aux 3 - Gray/Yellow
Aux 4 - Brown/Blue	Aux 4 - Green/Yellow
Aux 5 - Gray/Orange	Aux 5 - Brown/White
Aux 6 - Yellow/Violet	Aux 6 - Green/Orange



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**NOTE: If you are also running the Baja Designs Fog Pocket Kit, you will need to utilize a 10amp or 5 amp switch for the S2 fog lights, leaving AUX 1 or AUX 2 free for the installation of the 30" S8.**

2. Once you have determined the appropriate wire color, attach the white wire of the supplied up-fitter harness to your wire of choice by using the included splice connector. Then attach the black wire of the up-fitter harness to the battery/chassis ground.
3. The amber backlit function of the S8 is powered through the green wire in the harness. Depending on your preference, you can power this function one of two ways. The first being to tie into the trucks existing amber-light wiring.
4. The second option is to connect the green wire to one of the auxiliary switch wires, in the same fashion you did in steps 1 and 2. Any available AUX switch will work, but AUX 5 or AUX 6 (each rated at 5amps) is more than sufficient for the amber backlighting.