

2017+ Raptor Rear Light Kit Install instructions

SR-L REAR LIGHT KIT

The Silver U bracket included with the lights should install as shown below (Fig 1) with the angle UP. You will install the included hardware as pictured.

Then attach the Raptor Specific bracket as shown (Fig 2) with the notched end facing DOWN. Notice the slot on the downward end. This allows you to adjust the light as tight under the bumper as you would like.

Figure 1:



Figure 2:



Notice the bolt under the bumper (Fig 3) on the end of the hitch receiver. You will remove the bolt and insert it into the bracket as shown (Fig 4) notice the angle of the bracket turns IN toward the tow hooks. The Passenger side is shown, however the driver side would mirror the passenger side.

Figure 3:



Figure 4:



Once the bolt is installed (Fig 5), you can adjust the light up close to the bumper (Fig 6) and then tighten the bolt down.

Figure 5:



Figure 6:



First run your light wires through the hole and behind the hitch & bumper.

(Note: Photos shown may show grey plugs. SR-L lights do not have grey plugs. They will have a red, white and black wire. You will connect the like colors of the light to the like colors of the harness on each side with the supplied connectors)

Figure 7:



Next run your harness. THIS IS IMPORTANT.

The Switch wires are on the PASSENGER side under the hood on the fire wall. The harness MUST be run along the PASSENGER side frame rail. So the 2nd longest harness end will be connected on the drivers side light. Then go over to the passenger side light with the very short end. Then the LONG run will go all the way up the passenger side to the engine bay.

(Note: Again, Photos shown may show grey plugs. SR-L lights do not have grey plugs. They will have a red, white and black wire. You will connect the like colors of the light to the like colors of the harness on each side with the supplied connectors)

Figure 8:



Figure 9:



Below in FIG 10, you will notice on the Passenger side, behind the hitch. You will remove the bolt on the from that grounds a wire and put it through the ground loop here as well.

Fig 10:



Next zip up the loose wires behind the bumper. Find the existing wires harnesses on the truck & secure it to them.
(Fig 11-13)

Figure 11:



Figure 12:



Figure 13:



Next, you will notice in the next few pictures, you will need to run the power wire up along the frame rail and secure it as you go. Be sure NOT to get it near the exhaust as it will melt the loom and the wire. (Fig 14-15)

Figure 14:



Figure 15:



Now when you get to the front, you can run it behind the wheel well shroud and secure it to the wiring coming up by the brake lines (Fig 16)

Then pull your wire up, trim your excess and make your connection to your chosen switch. (Refer to your Raptor supplemental guide for color of wires and which switch. (Fig 16 -18)

NOTE: THIS VERSION ALSO HAS A WHITE WIRE TO TURN ON THE RED HALO. IT IS RECOMMENDED TO CONNECT THE WHITE WIRE TO A SWITCH SUCH AS 5 OR 6 WHICH YOU CAN JUST LEAVE ON ALL THE TIME. WHEN THE TRUCK IS OFF, THE SWITCHES ARE POWERED OFF. YOU CAN CONNECT THE RED WIRE FOR THE BRIGHT REVERSE WHITE LIGHT TO ANOTHER SWITCH. SWITCHES 5-6 ARE BOTH LOW POWER AND WORK FINE FOR THE RADIANCE BACKUP LIGHT AND RED GLOW, BUT WON'T POWER MUCH OTHER THAN THOSE AS THEY ARE ONLY 5 AMPS SO THAT MAKES THEM A GOOD CHOICE. YOU CAN HOWEVER, IF YOU CHOOSE, JUST TIE THE WHITE WIRE TO THE MARKER LIGHTS THEMSELVES. IT JUST ISN'T RECOMMENDED TO CUT INTO FACTORY HARNESSES UNLESS IT IS REQUIRED. ANOTHER OPTION IS OUR BACKLIGHT WIRE KIT FOR IGNITION ON POWER. REFER TO THE BACKLIGHT KITS INSTRUCTIONS IF YOU PURCHASED IT.

Figure 16:



Figure 17:

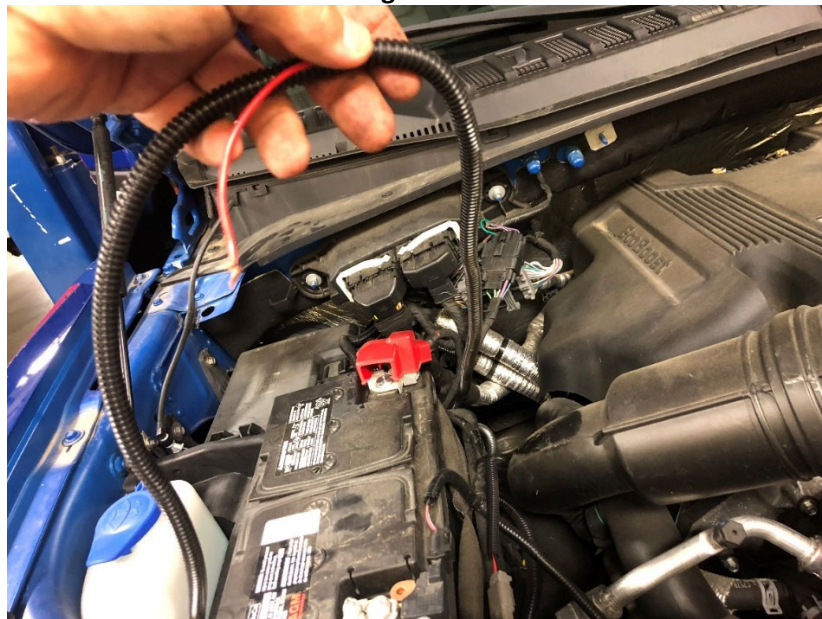


Figure 18:



Secure your remaining loom and wire (Fig 19)

Figure 19:



That's it.. Your done....

NOTE: Switches 1-2 use 15 amp fuses. Switches 3-4 uses 10 amp fuses. Switches 5-6 use 5 amp fuses.

Most of your light bars, fog lights etc should run on 1-4 easily.