

17-20 & 21+ Raptor Lower Bumper Light bar Installation Instructions

Step 1:

Remove the plastic panel in the center of the bumper by putting your fingers in the honey comb and gently wiggle & pull outward until the 14 metal clips pop out. Don't worry about pulling too hard as long as you do it evenly. See Fig 1 & 2.

Then remove any remaining metal clips that may have stayed in the bumper, as seen in fig 2. Reinstall those on the panel, except in the 4 center locations over the honeycomb. (Note: Gen 3 model has 2 OUTSIDE panels you need to remove BEFORE you can remove the center grille panel)

Fig 1:



Fig 2:



Step 2:

Take a cutting tool and cut the tabs off in the 4 center locations over the honeycomb (NOT ANYWHERE ELSE) until flat, as shown in figure 3 and 4.

Fig 3:



Fig 4:



Step 3:

Install the brackets on the lights. Depending on which light you purchased for your kit, there may be some variances, but overall, the process is the same. Use the hardware that came with the light bar. Install the bolt, and then the plastic retainer. Then insert the bolt through the bracket and install the washer and the bolt as shown in figure 6. Align the bracket so the light sits evenly with the face of the light as shown in figure 5. Then tighten the bolts the rest of the way on the light as shown in figure 6 (Other Side).

Step 4:

Install and align the light assembly into the 4 tab slots in the center of the bumper as shown in figure 7 (Other Side). Use the supplied carriage bolts, washers and lock nuts included with the bracket kit. Be sure to light it up evenly, then tighten. Its tight quarters, so a ratcheting wrench with a swivel is probably the easiest tool to use. The nut size is 11mm.

Step 5:

Secure the wiring. Depending on the light, there may be a short wire connected to the light, or a harness that plugs into the light. Be sure to run that wire out of the center bumper area before reinstalling the panel. Push the wire through where the plastic insert meets the backside of the bumper. It is flexible. Get the wire harness lead out toward the fog pocket area on the passenger side so it will be easy to route up toward the battery and the switch wires. Then, before you go any further, secure the wire leading from the light to the bracket with a zip tie so it does not interfere with the shutters, as seen in fig 7. **(NOTE: On the 21+ The bracket mounts BEHIND the tabs on the bumper to clear the grille.)**

Step 6: run the wire along the battery and zip tie it to the existing harnesses, keeping it out of the engine. Connect the black ring connector to a ground. Either the battery post, or a bolt on the fender wall behind the battery. Connect your red wire to your switch wire of choice (See your Raptor Supplement manual in your truck for wire colors and locations) If equipped with a backlight, such as the Radiance lights, connect the white wire to another switch, or the optional backlight wire kit (sold separately).

Fig 5:



Fig 6:



Fig 7:



That's it! Tidy up and you should be done! You can also watch the full install video. You can use a smart phone and scan this with a QR code reader. It will take you to Youtube to watch the video.

