

Raptor Gen 2 Bumper Light Mount Installation

Removal of the front Bumper

1. Unbolt the 2 bumper support rods on the passenger and driver side of the bumper.
2. Remove the front skid plate by removing the two bolts on either side by the tow hook, and the 2 bolts at the bottom of the skid plate by the lower control arm mounts.
3. On the top of the passenger side frame rail is a large harness plug, it can be lifted from the frame by carefully pushing it straight up from the frame, or by using a panel tool to remove the clip from the frame. Once the plug is off the frame, there is a release tab that holds the grey lever down. Press the release tab while lifting up on the grey handle. Once the handle is straight up, the plug can be undone. To plug it back in, reverse order making sure that the plug is properly aligned.
4. With the help of a friend, remove all six nuts on the inside of the front bumper. There are 3 on each frame rail. 2 outside of the frame rail, and one inside. Once all nuts are removed, the bumper will be free. Carefully pull the bumper out and down, now you can reach the last plug on top of the intercooler louvers, as well as 2 wire loom retaining plugs. The two wire loom plugs can be removed with a panel tool, and the electrical plug can be undone by pressing down on the release latch and pulling the plug out. The bumper can now be fully removed.
5. Remove the rubber trim on top of the bumper, this can be done by squeezing the little triangle clips on the inside with pliers while pushing out. The white clips can be removed by pushing down on the retaining clip on the inside and pushing the whole white clip out of the black retainer. This is removed to trim for the light bar, or can be removed permanently, depending on your preference.
6. Remove the 2 pictures factory bolts on each side. The inner bolt will require a spacer on each side. Align the light bar brackets with the two sets of holes and reinstall the factory bolts with the supplied spacers on the inside holes.



7. To trim the rubber for the light bar, lay each side of the rubber strip onto the bumper starting at the outside corner clip that onto the corner, but don't clip any other clips to the bumper. There is one plastic clip that lands on the light bar bracket, this will need to be cut off. Now mark on the front and back of the rubber strip where the light bar bracket is, then remove the rubber strip to trim the marked area. This can be done with a fresh razor blade. Repeat the same process for the rubber trim strip on the other side. Test fit as necessary, then once done, reinstall. This can be done by pressing down over the smaller clips, and the white clips press back through the black retainer to secure it to the bumper.
8. With the light bar secured to the bumper, with a friend reinstall the bumper to the truck. As you get the bumper close, plug in the plug and loom on top of the intercooler louvers, then the bumper can be bolted up to the frame. Plug in the louver actuator and the large main harness plug on top of the passenger frame rail. Before bolting the bumper down tight, make sure its lined up and matches the body lines, then torque to factory spec. Reinstall the two bumper support rods. Then reinstall the front skid plate. Enjoy your new front light bar.