

Installation of CARTRIMHOME LED DRL for 2014-2021 4Runner



I completed this installation without removing the bumper in its entirety. It is a little tight at times so if you have larger arms/hands you may want to remove it.

1. Remove the radiator cover by removing all of the push pins. This will expose the rear of the grill and 2 of the 3 headlight screws. The third is under the side of the bumper cover.

There are videos on YouTube on how to remove the bumper so I won't get into that, but I did remove all screws and retainers EXCEPT for the two headlight push pins that are on the left and right and look like this:

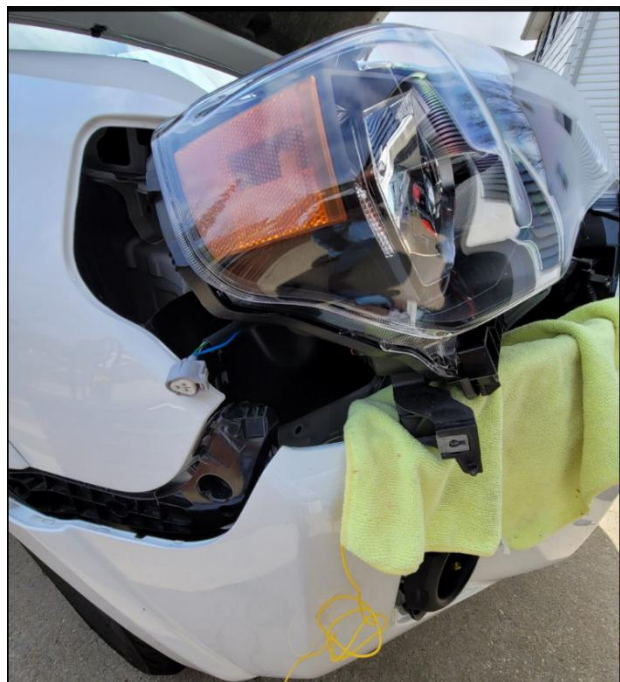


Next, pry the sides of the left and right bumper away from the inner fender skirt and this will expose the third headlight bolt:



If working on the passenger side, remove the 3 bolts that hold in the headlight, as well as the push pin for that side mentioned in the last step, but leave the other push pin in the driver's side. This is what will hold your bumper from falling if you don't want to remove the whole thing.

Once all 3 headlight bolts are removed you can now pull the headlight forward to expose the wiring behind the amber blinker bulb. I put a towel between the light and the bumper to avoid any scratches.



At this point with the bumper pulled forward you can also remove the old fog light trim ring. The clips have a tab that is easy to compress by hand then push forward through the front of the bumper. Start at the very top and work your way down.



Now you can set the new DRL bezel in place. I ran the wires through this top hole making sure to keep the wires to one side when pushing the bumper back into place. There is a pressure clip that this spot attaches to, but is much smaller than the actual opening so you don't need to worry about damaging the DRL wires:



You can use a T-Tap wire connector to tap into the BLUE wire coming from the passenger side amber blinker bulb and the YELLOW wire coming from the driver side amber blinker bulb.

This is the driver side:



All cleaned up:



In the kit comes a controller box with 2 molex connectors, one is longer than the other. The longer side goes to the passenger DRL and the shorter to the driver DRL.

Plug those in and secure/conceal the wiring and control box to your liking.

The other set of wires coming from the control box has loose white/red and black wires.

Run this to your underhood fuse box, concealing the wires as best as you can.

On the black wire I crimped a solderless spade connector to be connected to ground.

Loosen the ground bolt right near the fuse box and slide your spade terminal under the washer, tighten.

****IMPORTANT**** you will NOT use the white wire, only the RED.

REMOVE ONE of the LH-LO or RH-LO 10 amp fuses and replace it with the add-a-fuse. Now connect the red wire to this.



This is what your finished product should look like. Notice the black wire on the ground bolt. Now you can put a small notch in your fusebox cover so that it will close nicely over the black control box wire.

That's all there is to it! Put all your bolts and push pins back, secure the bumper and you're all set. The lights work AMAZING and the fit and finish is excellent. Here are some finished photos:

Regular light:



Switchback during blinker sequence:

