

# K5 OPTIMA STORE

## 2016 - 2020 Kia Optima Roof Spoiler

### Installation on a 2020 Kia Optima SX with LED Tailights

Tools and material needed for this installation

1. Duct Tape or Electrical Tape or Painters Tape
2. Alcohol and wipes
3. Hot Glue gun and Glue
4. Wire Tap connectors(2 needed)

To start, I laid out the spoiler on the roof line and checked fit to ensure the clips connected correctly. I used blue painters tape to hold in place.

Once you have the spacing correct and know where you plan to mount it, remove the spoiler and clean the upper half of the windows thoroughly to ensure it is clean and free of any dust. Doing on a warm sunny day helps.



Now that the area is clean and free of any dirt, you are going to do the hardest part of the entire install. I started by removing the middle section of the tape covering. Where the middle clip is installed on the spoiler, carefully slice the red tape covering on both strips and peel them back just enough to allow it to hang over the top and bottom edge. You will have two "tails" of this tape sticking out on top and on bottom of the spoiler. This will allow you to center the spoiler and stick just the center portion of the spoiler. Once that is done you can carefully pull the covering out by lifting just slightly enough to pull it out. I started on one side and pulled the tape cover from the top and bottom at the same time. Once you get to the end, there is a tab sticking out for the large 3m tape on the end and you can again lift up slightly and peel that part off. Once that is done, ensure that the clip is on the window track and push down to secure that side. Repeat the same on the other side.

Once you have it mounted, you need to route the wire. This first picture shows the wire coming out on the passenger side of the spoiler, I opted to leave it in the clip and then down under the windows, this allows some to show, but so little it is not very noticeable. You can opt to take it out of the clip and then after mounting, try to insert it under the clip/window.

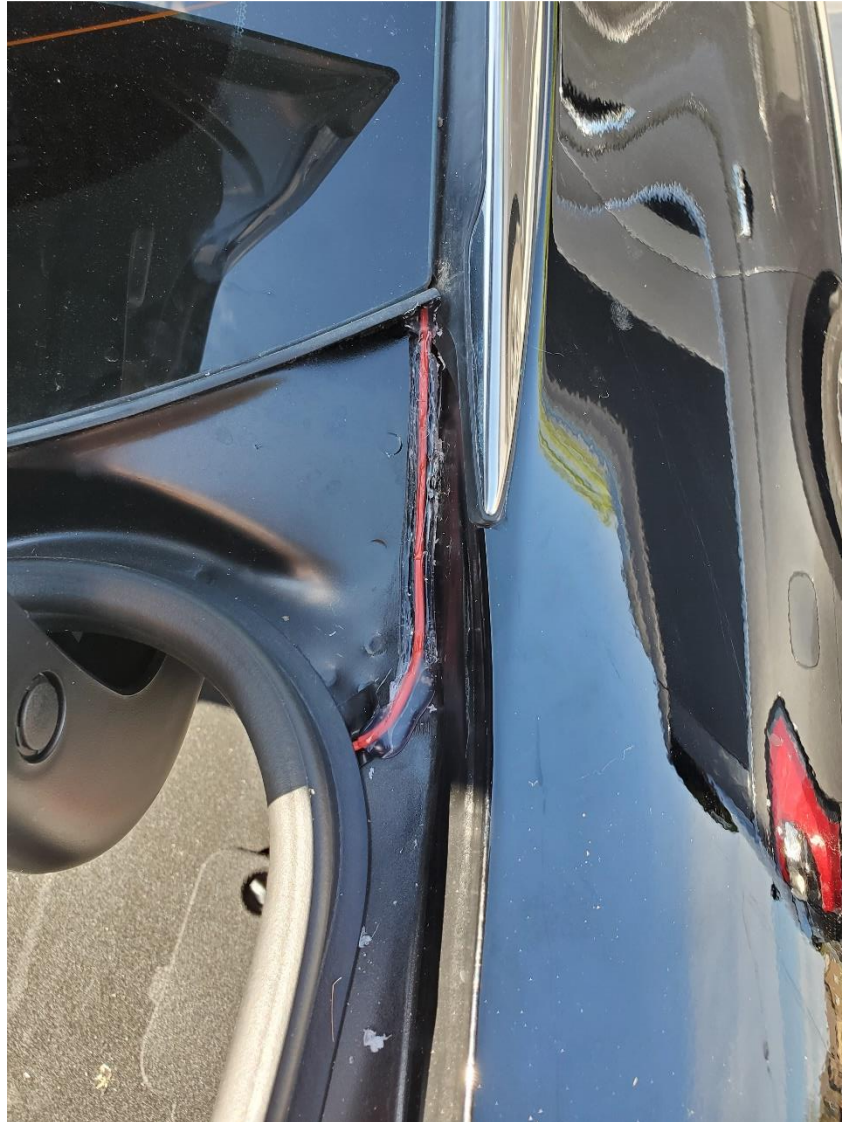


Once you have the wire routed over to the side window, you have to carefully push it under the window track going down the side of the car. It goes in easily in some areas, and some areas are a little harder. Keep working it until it is fully under the window track down the entire side.



Now you have two options to route the wire inside the trunk, you could drill a hole through the body panel into the trunk and route the wire down inside the trunk. Hole could be just under the window where the wire comes out from under the window track. Or you can do what I did and route it along the body panel edge and use a glue gun

to secure it to the body panel. I liked the option to remove if needed and not leave a hole in the body panel.



Once it is secured to the panel, you will need to remove the rubber seal for the trunk and route the wire over the lip. See picture. I used electrical tape for now, I think I may redo with duct tape to ensure it does not cut through the wire.



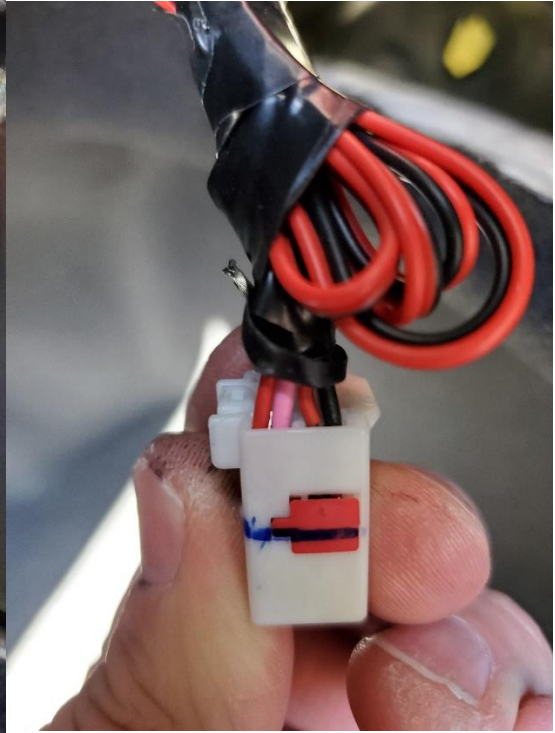
Once you have this in place, push the rubber seal back down and the rest is done from inside the trunk.

Remove the access panel in the trunk and you will see the plug for the brake lights. You can't use the trunk lid as the power supply as the brakes are only on the quarter panels and not on the trunk lid. The trunk lid is only the parking lights, no brake lights.

You will route the wire over the lip and then directly behind the trunk panel over to the access panel on the side of the car, just behind the taillight.



Remove the taillight plug and find the Pink and Black wire on the plug. You need to connect the red spoiler wire to the pink taillight wire and the black spoiler wire to the black taillight wire next to the pink wire. This is where you can use the wire tap connectors. I utilized the back of the plug and "squeezed" the wires into the plug and then used electrical tape to hold in place. I plan to go back when I purchase the wire tap connectors and connect in line with each wire.



Once you have the connections done, check that the brake light works and then closed everything back up.





