



## LED Cup Holder Lights Installation Guide

(2011-2015 Kia Optima)

Thanks for purchasing this LED Cup Holder Light Kit! If you have any questions or feedback please email us direct at [Sales@K5OptimaStore.com](mailto:Sales@K5OptimaStore.com)

*Read these instructions completely before beginning installation:*

*K5 Optima Store does not assume responsibility or accept liability for damage, loss, or expense arising from improper use, operation, or installation of this product.*

You may need the following tools:

- Plastic panel popper tool (Harbor Freight #67021)
- Small Flathead Screwdriver
- 3/16" Drill Bit (or larger)
- Electrical Tape
- Razor Blade or Scissors
- Wire Strippers (product similar to Irwin 2078300 is used)
- Soldering Iron or another wire attachment technique ("military splice" demonstrated)

### Disassembly:

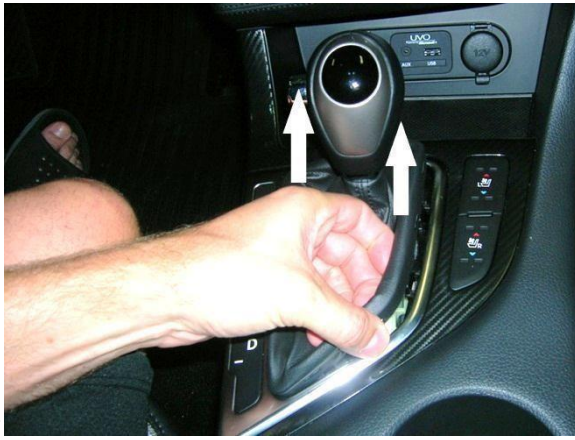
-Begin by engaging the emergency brake and then using a small flathead screwdriver to pop up the "shift lock" cover (A). Use the screwdriver to press the button inside that space and shift the car into neutral. We need to pop off the leather surrounding the shifter (Highlighted in B), on automatic models reach your fingers in the leather boot and carefully pop all of it upwards around the edge (C). Next with the vehicle in neutral pull up with both hands on the shifter, it may take an upwards force of 50 lbs to pop off (D). (On manual models just unscrew the shift knob and leave the boot intact)



A



B



C



D

You will be left with (E). Using your fingers or a plastic panel tool pop up the back end of the console trim (Console highlighted in E, arrows show back end). Next carefully maneuver the trim and pull the rest of the console upwards and towards the rear of the vehicle (F). Flip over the trim and you can unplug all of the plugs or carefully lay the trim over the edge of the center console (if you do this, lay a shirt or cover over the center console to protect it or it may scratch) (G).



E



F



G

### **Installation:**

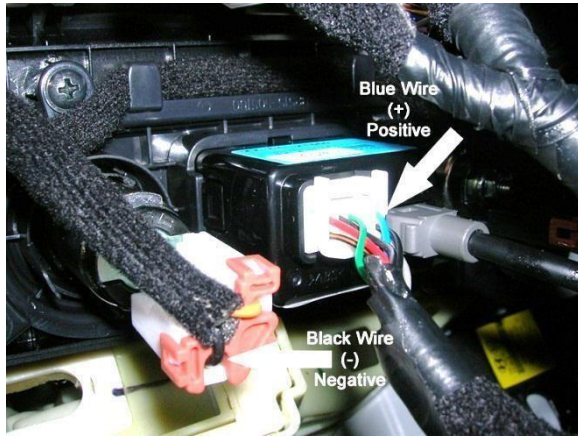
-First, we need to lift out the rubber inserts in the cup holders, grab the small tabs on the side of each and lift away (H). Thoroughly clean inside each cup holder with an alcohol pad or similar de-greaser. Carefully drill a 3/16" hole from the top of the center console slightly off center in each cup holder (I). There is room underneath the cup holders so that you will not hit anything but still use caution.



Run the LED wire through each hole (J). You should be able to reach your hand under and grab each wire and pull it forwards towards the shifter trim. Now remove the covering from the double-sided tape on the back of each cup holder disc. Route the wire through each hole and place the disc down into the cup holder but do not press down yet (this step is important, you only get one shot at pressing down and securing the adhesive), carefully center each disc and then press down firmly to secure (K).



-The wires we need are on the 12-pin white connector plugged into the rear of the AUX and the 2-pin white connector plugged into the power outlet (L) (doesn't matter which power outlet). (\*\*2012 Optima SX with UVO system pictured, Non-Navigation/UVO systems will have a different plug, please see end of instructions) Unplug the white 12-pin AUX connector (M) and take a razor blade or scissors and carefully strip back the black fuzzy covering from the wires (N). The wire we need is the **BLUE (+)** wire on the end of the 12-pin plug (O).



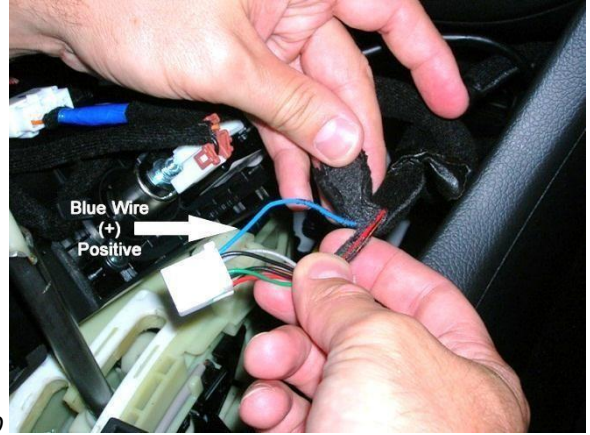
L



M



N

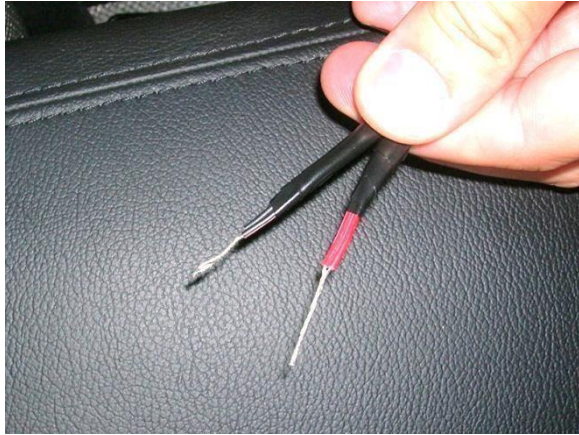


O

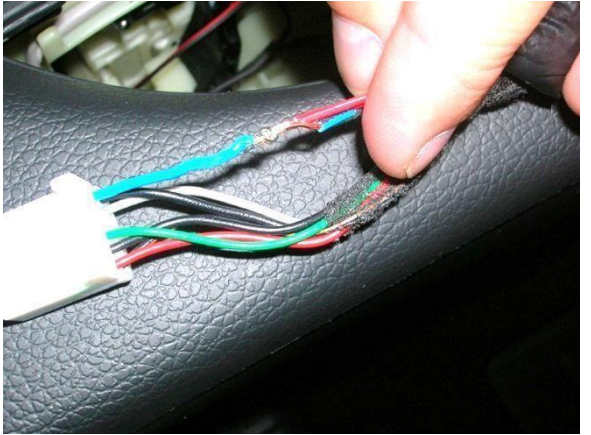
Use wire strippers to strip back the blue wire (P) and then poke a hole through the wire (Q). Take your LED wires and twist both black wires together and both of the red wires together (R). Take the RED LED wire and thread it through the blue car wire and twist it around (S) (DISCLAIMER: A 1-3amp fuse is suggested in line with the red LED wires). Electrical tape that connection and use zip ties to secure (T).



Q



P



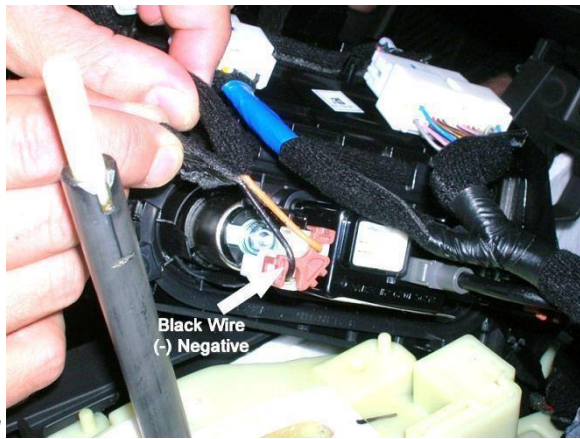
S

R



T

Now we need the **BLACK (-)** wire on the white 2-pin power outlet plug (U). Do the same process, stripping the wire, poking a hole, and then wrapping the **BLACK** LED wires around the **BLACK** car wire, then tape up and zip tie (V).



U

Black Wire  
(-) Negative

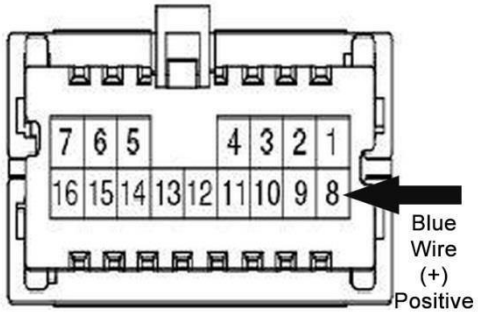
V



-Make sure all of your wiring is secure and all exposed connections are covered and secured. Plug back in all plugs and turn on your headlights and test the discs!

-All done! Reinstall is the opposite of uninstall.

-Non-Navigation/UVO Systems Wiring: Instead of a white 12-pin plug at the back of the AUX connector you will have a white 16-pin plug attached to the USB/AUX. We need the **BLUE (+)** wire on the *END* of the connector (arrow below, plug may be reversed from picture, but it is the blue wire on the end, *not* the blue wire in pin #3 spot). Connecting the wire will be the same as the rest of the steps above and wiring the black LED wires will be the same as the instructions above.



Non-Navigation / UVO Systems

If you have any questions or need support, please do not hesitate to reach out to us directly, via email: [Sales@K5OptimaStore.com](mailto:Sales@K5OptimaStore.com) or by phone (213) 785-7512.