

## JK COMPLETE LED TAIL LIGHT KIT (RECTANGULAR)

P/N 2995

### NOTE:

Some of the images in these instructions will vary from your components due to the type of LED's included in this kit. Some of the images show a cut in the tub to create clearance for the larger round LED lights. Cutting the tub for clearance is not required for this installation.

### INSTALLATION:

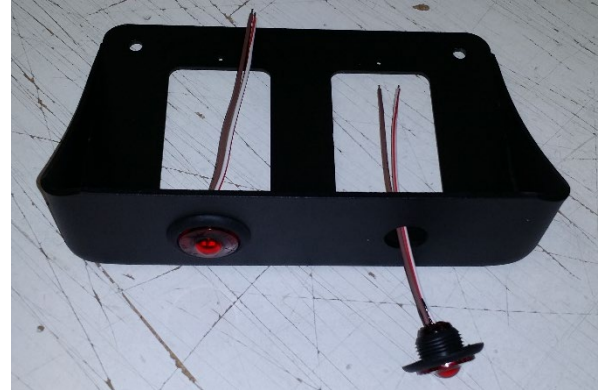
1. Remove the stock tail lights by unscrewing the two innermost screws on both tail light housings. The outer two screws do not need to be removed as they only hold the lenses to the housings.  
Remove the two threaded metal clip inserts that hold the stock tail lights in place.
2. It is recommended that you use tape around the tail light mounting surface to protect your vehicle's paint while installing the light boxes. Blue painters tape works well for this.
3. Hold your Warrior tail light box into place and using the supplied 1" long bolts with a washer and nylock nut, temporarily attach the tail light housings to the body using the two inner mounting holes.



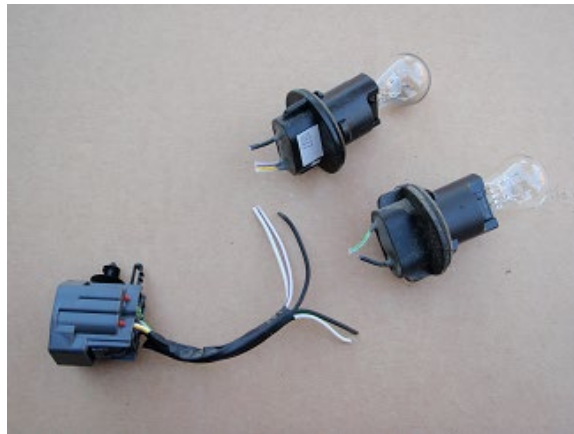
4. Hold your Warrior tail light box into place and using the supplied 1" long bolts with a washer and nylock nut, temporarily attach the tail light housings to the body using the two inner mounting holes.
5. Now the outer two holes need to be drilled. Using your 5/16" drill bit, pass the bit level through the outer holes up to the body and make a mark with the end of the bit. Unbolt the housings and set aside. Find the marks you made with the drill bit and use a center punch to locate the drill bit so it doesn't wander when you begin drilling. Hold the drill perpendicular to the tub and make the holes with the 5/16" drill bit. Clean up any remaining burrs and touch up the bare metal areas with some paint to prevent any future rust issues.



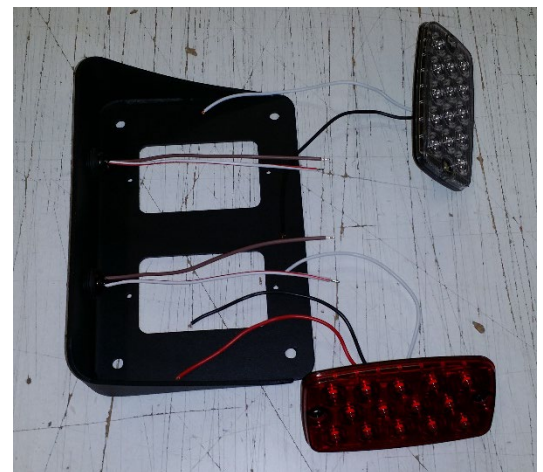
6. Prepare your tail light boxes for final installation by installing the small round LED side marker lights and preparing the wiring harness.
7. To install the side marker lights, place the tail light box face down and pass the wires of the small round LED lights through the  $\frac{3}{4}$ " holes from the outside of the housing as shown. Firmly press the lights into place to completely seat the rubber mounts.



8. Next, build your wiring harnesses. The easiest way to do this is to cut the light sockets off of the harness that is attached to your OEM tail lights. This results as a harness that retains the OEM plugs so you can disconnect the lights from the Jeep and it won't require any modification to the Jeep's main wiring harness.



- Remove both stock tail light housings, twist the black bulb mounts out and cut them off of the OEM plug as shown to the right. Strip back the insulation on the five wires coming out of the plug.
9. Connect your LED light wires to the OEM plug from the previous step. With the tail light box face down again, connect all the wires to your OEM plugs on the back side of the box (you will pass the rectangular LED lights through the openings at a later step in the installation). See following chart for the wires to join. If the wire colors do not match the chart, utilize a voltage test light or voltmeter to locate the correct wires. Please note that the LED lights are polarity sensitive and will not function if connected backwards (i.e. negative LED wire (-) MUST be connected to vehicle ground wire (-)).



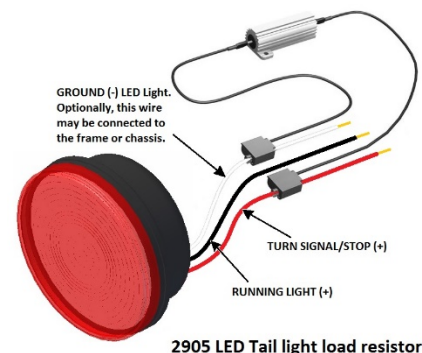
| JK Wires                                   | Red Rectangular LED Tail Light Wires |
|--|--------------------------------------|
| Purple/White (+) = Running Light Power     | Black (+) = Running Light            |
| Black (-) = Ground                         | White (-) = Ground                   |
| Yellow/White (+) = Turn Signal/Brake Power | Red (+) = Turn/Stop Light            |

| JK Wires                               | 1" LED Side Running Light Wires |
|--|---------------------------------|
| Purple/White (+) = Running Light Power | Black (+) = Running Light       |
| Black (-) = Ground                     | White (-) = Ground              |

| JK Wires                             | 1" LED Side Turn/Stop Light Wires |
|--------------------------------------|-----------------------------------|
| Yellow/White (+) = Turn Signal Power | Black (+) = Turn/Stop Light       |
| Black (-) = Ground                   | White (-) = Ground                |

| JK Wires                        | Clear Rectangular LED Reverse Light Wires |
|---------------------------------|---|
| Green/White (+) = Reverse Power | Black (+) = Positive                      |
| Black (-) = Ground              | White (-) = Ground                        |

10. Next, connect your load resistors. The load resistors prevent 'fast flashing' and will have a wire coming out of either end. Use the included blue splice wire connectors to connect one end to the white (-) ground wire on the Red Rectangular LED tail light and the remaining end to the red (+) turn/stop wire on the same Red Rectangular LED tail light. The resistor will get hot during operation and can melt wire insulation and plastic components so find a secure metal surface to mount the resistor and keep it away from sensitive components. You may also choose to attach the load resistors to the equivalent wires on the jeep side of the wiring harness plug so that it can stay in place if the lights need to be removed. If you decide to install the load resistor in this way, the supplied blue splice connector will probably be too large to make a reliable connection with the small gauge factory wiring, so you may have to connect the wires using a different method.



11. Install the rubber trim seal around the tail light boxes and trim the ends to your desired result. Plug in the wiring harness and check for correct operation before attaching the tail light box to the tub.
12. Next, place the tail light boxes on the vehicle with the rectangular LED lights placed inside the box for now. Move them to the side as needed to provide clearance for tightening the attachment hardware.
13. Attach the tail light box with the supplied stainless steel hardware. For the outer holes of the tail light box, use the supplied plastic spacers on the back side (inside of the tub) of the 3" long bolt with the angled end against the tub. These will allow the 1/4-20 3" long bolt to sit straight so that they fit flat against the light box.





14. Check that all eight tail light box mounting bolts are tight, then proceed with mounting the rectangular LED lights. Choose which light to place on top (red or white, it's your choice) and pass the light through the opening. Attach the lights using the supplied self-tapping screws. Do not overtighten the screws as it may strip the threads or crack the light. If it is difficult to drive the screw in, do not force it! You can back the screw out and try again to help cut the threads, or use a drill bit to open the hole VERY SLIGHTLY! If the hole is too large, the screw will not catch threads and you will have to find a larger screw at your local hardware store. Complete the installation by installing the mounting screw cover caps. If you need to remove the LED lights at a later time these caps can be removed by carefully prying them out with a blade or very small flathead screwdriver. Use caution so that you do not crack or chip the lens.



If you need further assistance installing your product, please contact us by email at [customerservice@warriorproducts.com](mailto:customerservice@warriorproducts.com) or call us at (888) 220-6861.

THANK YOU FOR PURCHASING WARRIOR PRODUCTS