



Protecting Your Adventure Lifestyle

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2960 JK COMPLETE LED TAIL LIGHT KIT **INSTALLATION INSTRUCTIONS**

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.
2. Remove the two threaded metal clip inserts that hold the stock tail lights in place.
3. 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.



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. Since the Warrior tail light housings fit closer to the body, you now need to clearance the JK tub for the 4" LED tail lights. This is a 'trim and check' fit. The following images give a good indication of how much material will need to be removed.



7. If the laws in your area require the use of side marker lights on your tail light housings, you will need to drill the two holes per light housing for the included side marker LEDs to fit (if they are not already there). It is recommended that one be a parking light and the other a turn signal. Placement is your preference, but the holes need to be drilled out to $\frac{3}{4}$ ".

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 and wire the LED pigtails directly into this harness. 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.



9. Remove both stock tail light housings, twist the black bulb mounts out and cut them off of the OEM plug as shown below. Strip back the insulation on the five wires coming out of the plug.



10. Connect your LED light wires to this plug. 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.

JK Wires	4" 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

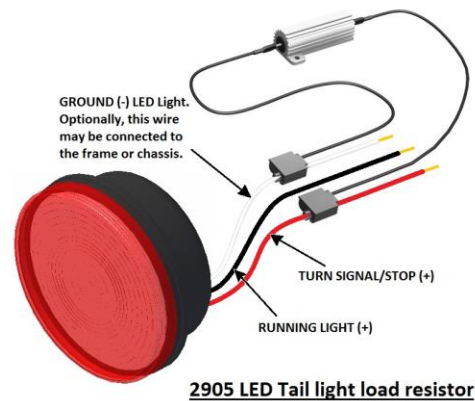
JK Wires	1" LED Side Running Light Wires
Purple/White (+) = Running Light Power	Black (+) = Running Light
Black (-) = Ground	White (-) = Ground

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

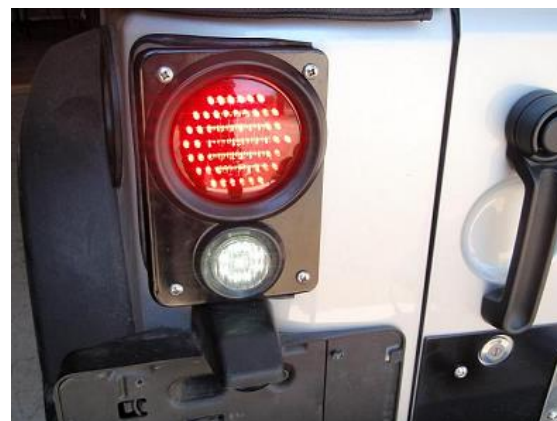
JK Wires	2" LED Reverse Light Wires
Green/White (+) = Reverse Power	Brown (+) = Positive
Black (-) = Ground	White (-) = Ground

11. 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 4" LED tail light and the remaining end to the red (+) turn/stop wire on the 4" LED tail light.

12. Install the rubber trim seal around the tail light boxes and trim the ends to your desired result. For the outer holes, 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.



13. Check that all eight bolts are tight, plug in your modified light harness and install the LED lights. The rubber seal and LED lights may be a tight fit, so work slowly with constant pressure and they should set in place with minimal effort. A little window cleaner sprayed on the rubber seal can help assist the install. If they don't fully seat in, pull the LEDs back out and clarify that the tub has been trimmed enough for the LEDs to clear the body.



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

THANK YOU FOR PURCHASING WARRIOR PRODUCTS