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## **5000-5500 JK LED CORNER GUARDS** **Installation Instructions**

All JK LED Corner Guards are designed to be placed over the existing factory metal body. During shipping and handling your aluminum corners may be slightly altered, but aluminum is relatively easy to flex and set back into proper form. Make any slight modifications needed to enhance their fit.

Rubber well nuts and  $\frac{1}{8}$ " stainless steel screws are supplied for mounting your corners to the body tub. If you prefer, you may also use pop rivets (not provided). Installation does not require the use of any sealant, but you may utilize some silicone or RTV sealant between the corners and the body to keep out the elements. We highly recommend spraying any exposed metal or drilled holes with primer before installing your corners to keep rust from becoming a problem later.

JK LED Corner Guards are designed for use with our part #2917 LED Tail Light & Reverse Light Kit, which includes standard grommet mounted 4" Tail Lights and 2" Reverse Lights.

### **Installation:**

1. Remove both taillights, the license plate holder, and any other accessories that may be in the way of the installation process. Installation of the corner guards does not require the gas tank filler plastic surround to be removed, as the corner is designed to fit over it.
2. One at a time, hold your corners into place and using a marker or scribe, mark the two round holes for your LED taillight cutouts.
3. After the holes are marked on your Jeep, set the corners aside and proceed to cut out the holes. We recommend you start the process by drilling starter holes just inside the circle you marked for the lights and then use a metal-bladed reciprocating saw to make the cuts. It is recommended to cut the hole slightly larger (approximately  $\frac{1}{8}$ " larger in diameter) than the hole in the LED corner guard for better grommet clearance behind the corner guards.
4. Once the holes are cut, you may want to use a die grinder with a carbide bit to deburr and smooth the edges. Finish by painting the exposed metal with primer to prevent any future rust. You may also need to drill an access hole through an interior body panel inside the passenger side light cavity. This hole will allow you to run wires from the taillight side to the reverse light side to illuminate the reverse light. The driver side does not have this issue.
5. You can now begin installing the corners. Tools needed are a drill, a  $\frac{1}{8}$ " drill bit, and a Phillips screwdriver. Once again, hold the corners onto the body of the Jeep and mark all the mounting holes around the perimeter of the corner guards. Set the corners aside and drill the marks with the  $\frac{1}{8}$ " drill bit. It may also be helpful to start with smaller drill bits and gradually work your way up to the  $\frac{1}{8}$ " size.
6. Insert a rubber well nut into each  $\frac{1}{8}$ " hole and set the corners back into place. Start by threading all the  $\frac{1}{8}$ " screws in by hand. Once you've got all of the screws inserted and hand tightened, start along the top edge first then work your way around tightening the remaining screws with the Phillips screwdriver. Once you are satisfied with the fitment you can re-assemble any parts removed in step #1 that need to go back onto your Jeep.
7. The next part of the installation is to install your taillights. If you've chosen to use our light kit, begin by wiring our taillight and reverse light pigtailed into your factory wiring on the vehicle. The LED light kits include a wiring diagram that you can reference for assistance. The light grommets simply press in place into the holes you've cut.
8. Once the wiring is complete and the grommets are in place, plug your lights into the pigtailed and then test them to make sure they are working correctly. The reverse lights plug can be flipped, so if they're not working, try spinning the plug before attempting to backtrack any other possible wiring errors.
9. With the taillights and reverse lights working, install them into place by pushing them evenly into the grommets. This will complete your installation.

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