

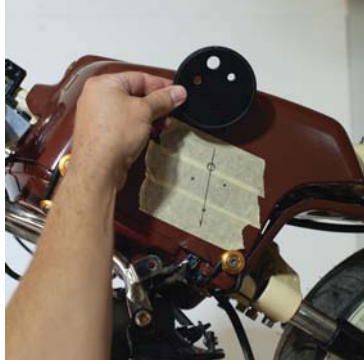


Installation Instructions for the OTB Ruckus Halo LED's



1. Verify Box Contents

- Two Halo LED's
- Two Back Plates (aluminum circles with four holes)
- Two LED Drivers (Little Black Box)
- Six Screws and Washers



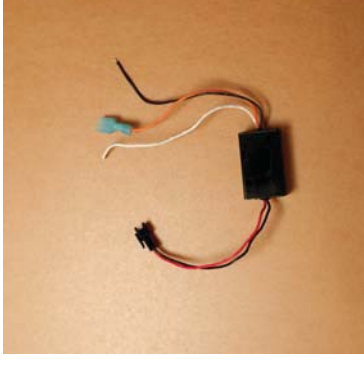
2. Layout the hole pattern

- Use masking tape to layout the hole pattern before drilling holes. (**NOTE** the back plate shown is black and a preproduction unit. Yours will be aluminum with no color.)
- The large hole is the back of the Halo LED. It forms a horizontal line with the front hole. Use this horizontal line to align the front slot level and facing the front.



4. Install the Halo LED's

- Place the Halo LED on the outside of the battery box and the backing plate on the inside of the battery box. Run the wire and connector through the large hole.
- Align the holes and put in all 3 screws by hand. (Use Blue thread locker to hold in place once you are happy with the placement and tighten. Do not over-tighten, the thread locker will keep it in place.)

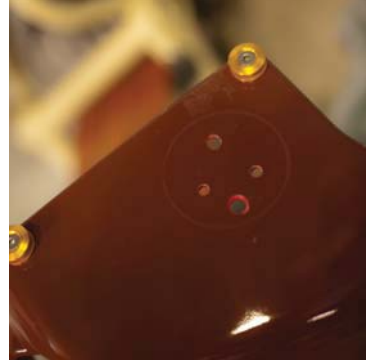


5. Install the LED drivers

- Important note: You must use an LED Flasher Relay for any LED to work correctly.
- The LED Driver needs 12V for the Amber signal and 10V for the White light. If the voltage for both is the same the Amber light will not flash.
- Connect the wires to your wire harness.
- Wire color is self explanatory. White for the white light, Orange for the Amber light and black for common or ground.

3. Drill holes

- Verify your hole pattern matches the back of the Halo LED and that the Halo LED is positioned where you want it. *Also make sure there are no obstructions inside your battery box. Once you drill holes there is no going back.*
- Remove the battery box and Drill 1/4 inch holes for the 3 small holes.
- Drill a 1/2" hole for the large hole. This is so the LED connector can fit through the hole and attach to the driver inside the battery box.



6. Test and Ride

- Make sure wires are properly connected and covered. **Exposed wires or connections can be dangerous and can cause malfunction.**
- After testing to make sure everything works correctly replace the battery box.
- Go ride and be seen with your new Halo LED's!

