

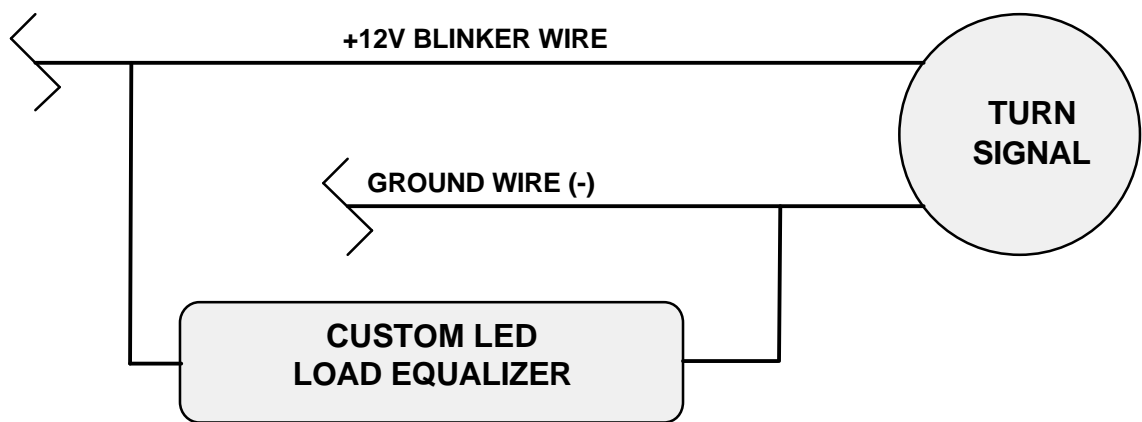
# **CUSTOM LED LOAD EQUALIZER INSTALLATION INSTRUCTIONS**

**WARNING:** THIS PRODUCT IS DESIGNED FOR INTERMITTENT 12V POWER AT A 50% DUTY CYCLE (BLINKER LINE ONLY). USING THIS PRODUCT INCORRECTLY IS A FIRE HAZARD. WHEN INSTALLING YOUR LOAD EQUALIZERS, KEEP IN MIND THAT THEY MAY GET VERY HOT AND MOUNT THEM ACCORDINGLY.

THE INSTALLATION OF YOUR CUSTOM LED LOAD EQUALIZERS COULD NOT BE EASIER. YOU WILL NEED TO HOOK UP ONE LOAD EQUALIZER ON EACH SIDE OF THE BIKE – ONE ON THE LEFT TURN CIRCUIT, AND ONE ON THE RIGHT TURN CIRCUIT. AS A GENERAL RULE, YOU WILL NEED ONE LOAD EQUALIZER FOR EACH STOCK TURN SIGNAL YOU REPLACE/REMOVE.

EACH EQUALIZER HAS TWO WIRES – CONNECT ONE WIRE TO THE +12V BLINKER WIRE (THE WIRE THAT PULSES 12V WHEN THE BLINKER IS ON), AND THE OTHER TO THE GROUND WIRE (-) AS IF THE EQUALIZER WAS A BULB ITSELF. YOU CAN MAKE THESE CONNECTIONS ANYWHERE ON THE BLINKER CIRCUIT.

USE THE SUPPLIED INSTANT TAP CONNECTORS TO MAKE YOUR CONNECTIONS – SIMPLY PLACE THE WIRES TO BE SPLICED TOGETHER INTO THE TAP CONNECTOR CHANNELS (NOTE ONE CHANNEL DOES NOT “RUN THROUGH” - THIS IS THE CHANNEL FOR THE EQUALIZER WIRE) AND SQUEEZE THE CONNECTOR FIRMLY WITH PLIERS TO MAKE THE SPLICE. YOU MAY NEED TO CLIP THE ENDS OF THE LOAD EQUALIZER WIRES FIRST IF THEY ARE PARTIALLY STRIPPED.



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## **TROUBLESHOOTING**

(PLEASE BE SURE TO DOUBLE AND TRIPLE CHECK YOUR CONNECTIONS IF YOU ARE HAVING PROBLEMS. 99% OF THE TIME THIS IS THE CAUSE FOR PROBLEMS)

**I HOOKED UP THE LOAD EQUALIZER AS THE INSTRUCTIONS SAY, AND MY BLINKERS STILL DON'T BLINK AT ALL:**

IF YOU ARE CERTAIN THAT THERE ARE NO BLOWN FUSES, THE CONDITION MIGHT BE MORE SEVERE AND YOU MAY REQUIRE THE USE OF MORE THAN ONE EQUALIZER ON EACH SIDE. A GOOD TEST WOULD BE TO INSTALL BOTH EQUALIZERS YOU HAVE ON ONE SIDE (IN PARALLEL) TO SEE IF THAT SIDE NOW WORKS – IF IT DOES, PLEASE PURCHASE ANOTHER PAIR FOR THE OTHER SIDE. IF IT DOES NOT WORK, PLEASE EMAIL YOUR VENDOR, OR [SUPPORT@CUSTOMLED.COM](mailto:SUPPORT@CUSTOMLED.COM) AND PROVIDE A DETAILED EMAIL WITH THE CURRENT SETUP ON YOUR MOTORCYCLE FOR AN ANALYSIS. AS A GENERAL RULE, YOU WILL NEED ONE LOAD EQUALIZER FOR EACH STOCK LAMP YOU REPLACE/REMOVE.

**I HOOKED UP THE LOAD EQUALIZER AS THE INSTRUCTIONS SAY, AND MY BLINKERS STILL BLINK FAST:**

THE CUSTOM LED STAGE II LOAD EQUALIZER IS DESIGNED TO REPLACE THE EFFECT OF A 27 WATT BULB SO THAT THE FLASHER RELAY DOES NOT BLINK FAST.

IF YOU HAVE PROPERLY INSTALLED THE STAGE II EQUALIZER(S) AND THE BLINKERS STILL BLINK FAST, YOU MAY REQUIRE THE USE OF MORE THAN ONE EQUALIZER ON EACH SIDE. THIS WOULD BE THE CASE IF YOU REMOVED BOTH THE FRONT AND REAR BLINKER BULBS ON EACH SIDE. A GOOD TEST WOULD BE TO INSTALL BOTH EQUALIZERS YOU HAVE ON ONE SIDE (IN PARALLEL) TO SEE IF THAT SIDE NOW WORKS – IF IT DOES, PLEASE PURCHASE ANOTHER PAIR FROM CUSTOM LED FOR THE OTHER SIDE. IF IT DOES NOT WORK, PLEASE EMAIL [SUPPORT@CUSTOMLED.COM](mailto:SUPPORT@CUSTOMLED.COM) AND PROVIDE A DETAILED EMAIL WITH THE CURRENT SETUP ON YOUR MOTORCYCLE FOR AN ANALYSIS. AS A GENERAL RULE, YOU WILL NEED ONE LOAD EQUALIZER FOR EACH STOCK LAMP YOU REPLACE/REMOVE.

THE CUSTOM LED STAGE I LOAD EQUALIZER IS DESIGNED TO PROVIDE A MINIMUM LOAD TO ALLOW THE FLASHER RELAY TO OPERATE – BUT FAST. THE CUSTOM LED STAGE I LOAD EQUALIZER IS **NOT** DESIGNED TO SLOW THE BLINK RATE. IT IS DESIGNED FOR INSTANCES WHERE THE BLINKERS DO NOT BLINK AT ALL DUE TO INSUFFICIENT LOAD, AND YOU SIMPLY WANT THEM TO BLINK AGAIN.