



# INSTALLATION

## LOAD EQUALIZER

## 4810

### PARTS INCLUDED

- 1 Load Equalizer
- 3 Scotch Lock Connectors
- 1 Installation Instructions

Please read and understand entire instructions before starting installation.

**THANK YOU FOR CHOOSING KÜRYAKYN!**

**IN ORDER TO PROTECT YOU AND OTHERS FROM POSSIBLE INJURY AND/OR PROPERTY DAMAGE OR LOSS, PLEASE PAY CLOSE ATTENTION TO ALL INSTRUCTIONS, WARNINGS, CAUTIONS AND NOTICES REGARDING THE USE AND CARE OF THIS PRODUCT.**

### WARNING

THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN CAN RESULT IN POTENTIAL DEATH OR SERIOUS INJURY.

### NOTICE

This indication alerts you to the fact that ignoring the contents described herein may negatively affect product performance and functionality.

### CAUTION

This indication alerts you to the fact that ignoring the contents described herein can result in potential injury.

### NOTICE

**IF INSTALLING THIS PRODUCT FOR ANOTHER PARTY, PLEASE MAKE SURE THEY RECEIVE THIS COPY OF THE INSTALLATION INSTRUCTIONS SO THEY ARE AWARE OF THE IMPORTANT INFORMATION CONTAINED IN THEM.**

### TOOLS SUGGESTED

Wire Cutter/Stripper, 12 Volt Test Light

**STRICTLY OBSERVE THE FOLLOWING GUIDELINES IN ORDER TO USE THE PRODUCT PROPERLY AND AVOID POTENTIALLY DANGEROUS ACCIDENTS.**

### STEP 1

Read and understand all steps in the instructions before starting the installation. Park the motorcycle on a hard, level surface and turn off the ignition.

### WARNING

A FACTORY SERVICE MANUAL WILL BE HELPFUL IN PERFORMING THIS INSTALLATION. DO NOT ATTEMPT TO PERFORM THIS INSTALLATION IF YOU ARE NOT CONFIDENT IN YOUR ABILITY TO COMPLETE ALL OF THE STEPS IN THE PROCEDURE; CONSULT A TRAINED TECHNICIAN. IMPROPER INSTALLATION COULD RESULT IN SERIOUS INJURY OR DEATH.

**NOTE:** Before installation, determine that the motorcycle requires the installation of a load equalizer by starting the motorcycle and checking the turn signals. If they flash fast or erratically, proceed with the installation as follows. If they flash at a normal rate, DO NOT install.

### CUSTOMER SERVICE

877.370.3604 (toll free)

### INSTALLATION QUESTIONS

techsupport@kuryakyn.com  
or call 715.247.2983

### LIMITED WARRANTY

Küryakyn warrants that any Küryakyn products sold hereunder, shall be free of defects in materials and workmanship for a period of one (1) year from the date of purchase by the consumer excepting the following provisions:

- Küryakyn shall have no obligation in the event the customer is unable to provide a receipt showing the date the customer purchased the product(s).
  - The product must be properly installed, maintained and operated under normal conditions.
  - Küryakyn makes no warranty, expressed or implied, with respect to any gold plated products.
  - Küryakyn shall not be liable for any consequential and incidental damages, including labor and paint, resulting from failure of a Küryakyn product, failure to deliver, delay in delivery, delivery in nonconforming condition, or for any breach of contract or duty between Küryakyn and a customer.
- Küryakyn products are often intended for use in specific applications. Küryakyn makes no warranty if a Küryakyn product is used in applications other than intended.
- Küryakyn electrical products are warranted for one (1) year from the date of purchase by the consumer. L.E.D.'S contained in components of Küryakyn products will be warranted for defects in materials and workmanship for 3 years from the date of purchase where as all other components shall be warranted for one(1) year. This includes, but is not limited to; control modules, wiring, chrome & other components.

- Küryakyn makes no warranty of any kind in regard to other manufacturer's products distributed by Küryakyn. Küryakyn will pass on all warranties made by the manufacturer and where possible, will expedite the claim on behalf of the customer, but ultimately, responsibility for disposition of the warranty claim lies with the manufacturer.

### ABOUT OUR CATALOG

For purchasing Küryakyn® products, you can receive a complete catalog free of charge. Send the Proof-of-Purchase below with your address to: Küryakyn, P.O. Box 339, Somerset, WI 54025. Please indicate either Accessories Catalog for Harley-Davidson® or GL & Metric Cruisers.

Be sure to ask your local dealer about other Küryakyn® products, the motorcycle parts and accessories designed for riders by riders.

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Load equalizers generate heat when in use. Avoid using the turn signals for an extended period of time, otherwise the load equalizer will overheat. Never operate the four-way flashers unless you first remove the load equalizer. Overheating will damage the load equalizer, causing loss of turn signal operation and may create a fire hazard!

**NOTE: THIS IS A UNIVERSAL FITMENT FOR 12 VOLT MOTORCYCLE LIGHTING SYSTEMS. When one pair of stock turn signals are replaced by L.E.D. or other low-draw lights. Adds approximately 2 amps of load to the circuit.**

**NOTE: THIS PRODUCT IS NOT INTENDED FOR USE ON CAN BUS EQUIPPED MOTORCYCLES. NO LOAD EQUALIZER IS NEEDED ON CAN BUS SYSTEMS WHEN USING A REAR RUN-TURN-BRAKE CONTROLLER OR L.E.D. TURN SIGNAL CONVERSIONS.**

## INTRODUCTION:

Turn signal control modules and flasher units require a predetermined amount of load (resistance) in order to function properly. Often times, when L.E.D. or small incandescent bulbs are used in place of stock turn signals, the reduction in resistance is enough to render the turn signal control module or flasher unit inoperative. The purpose of a load equalizer is to add back some of this lost resistance so the turn signal control module or flasher does not notice that the stock signals are no longer in place.



Always install the load equalizer upstream of any existing multifunction control modules. Do not install a load equalizer between a module and the turn signals as this will overload the load equalizer. Overloading will damage the load equalizer and may create a fire hazard!

## NOTICE

Kuryakyn recommends the use of dielectric grease on electrical connections.

## PROCEDURE A:

Follow this procedure if either of the following statements are true and the turn signals flash erratically:

- The only modification to the bike is that the stock signals have been replaced with low-draw turn signals.
- The bike has had the stock turn signals replaced with low-draw turn signals and/or is equipped with a multifunction control module manufactured by someone other than Kuryakyn.

## INSTALLATION:

**NOTE: If the bike is not equipped with a Kuryakyn Panacea Taillight System or Kuryakyn Run-Turn-Brake Controller and you do not wish to splice into bike's wiring, Kuryakyn offers plug-in Load Equalizer Adapters (P/N 4837, or P/N 5499, sold separately) that fit most '96-later H-D models. These adapters plug into the stock wiring harness under the seat or behind the side cover (ensure that these are being connected upstream from any multi-function controller) and provide connectors that will accept the load equalizer. THIS DOES NOT APPLY TO CAN BUS EQUIPPED MOTORCYCLES.**

If the bike is not equipped with a Kuryakyn controller of any sort, locate the left and right turn power wires and a ground wire (**upstream from any multi-function controller**) on the bike's wiring harness. Use a test light or wiring schematic for your model, typically easiest access is beneath the seat or behind a side cover. Cut off the connector of the load equalizer and using the included Scotch Locks, connect one violet wire from the load equalizer to the bikes' right turn power wire and the other violet wire from the load equalizer to the bike's left turn power wire. Connect the black wire from the load equalizer to the ground wire. FIG 1

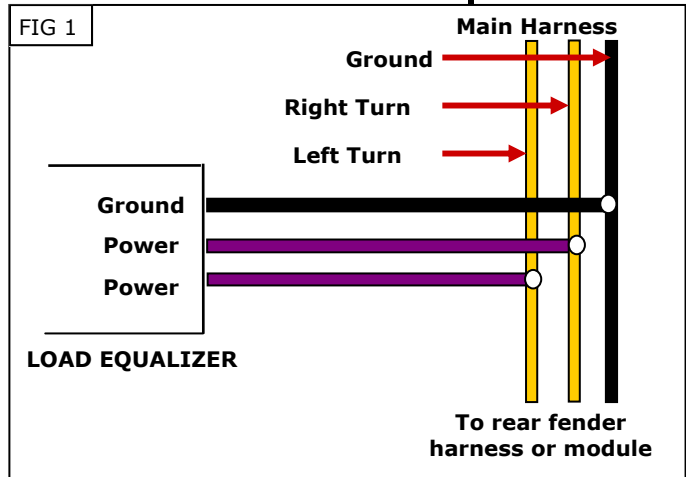
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**WARNING** ENSURE PROPER LIGHT OPERATION BEFORE RIDING THE MOTORCYCLE. VISIBILITY IS A MAJOR CONCERN FOR MOTORCYCLISTS. A LIGHTING MALFUNCTION COULD RESULT IN SERIOUS INJURY OR DEATH.

**WARNING** AFTER INSTALLING THE SEAT, PULL UP ON IT TO ENSURE IT IS LOCKED INTO PLACE. A LOOSE SEAT CAN SHIFT AND CAUSE LOSS OF CONTROL RESULTING IN SERIOUS INJURY OR DEATH.

**NOTICE** Do not secure the load equalizer to the control module! If possible, fasten the load equalizer to a frame tube as the frame will help to dissipate heat. If that is not possible, tuck the load equalizer into an area where it will not contact any heat sensitive components.

**NOTICE** Secure all wiring from the newly installed and/or from existing parts, away from any moving parts, pinch points or extreme heat. Küryakyn WILL NOT issue a warranty on any electrical component that fails due to pinched, crimped, broken, abraded, melted or frayed wires.



**PROCEDURE B:**

Follow this procedure if the following statement is true:

- The bike is equipped with a Küryakyn Panacea Taillight system or with a Küryakyn Run-Turn-Brake Controller and **DOES NOT have a Can Bus system.**

**INSTALLATION:**

If the bike is equipped with a Küryakyn Panacea Taillight System or Küryakyn Run-Turn-Brake Controller, plug the new load equalizer into either connector on the module.

**ALL APPLICATIONS:**

If, after the load equalizer is installed, the turn signals flash rapidly, you may need to synchronize the load equalizer to the turn signal system. Do this by starting the motorcycle and turning either turn signal on for 5 flashes. Turn that signal off and turn on the other signal for 5 flashes. Turn the motorcycle off. Start the motorcycle and verify the signals flash at the correct rate.

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