



## PLUG AND PLAY RUN-TURN-BRAKE CONTROLLER 4613

### FOR YAMAHA

FITS ALL '99-'03 ROAD STAR 1600 MODELS, ALL '99-'03 V-STAR 1100 AND 650 MODELS.

#### PARTS INCLUDED

- 1 Run-Turn-Brake Control Module
- 1 Flash Tab
- 1 Dielectric Grease
- 4 Cable Ties, Black Nylon
- 1 Installation Instructions

*Please read and understand entire instructions before starting installation.*

### THANK YOU FOR CHOOSING KÜRYAKYN!

#### IMPORTANT INFORMATION! PLEASE READ BEFORE STARTING INSTALLATION.

- The control module is compatible with motorcycles that have the rear lighting circuit wiring in stock configuration. If the motorcycle is already equipped with a Honda accessory control module or other aftermarket control module, remove it before installing the Run-Turn-Brake control module.
- The control module is compatible with stock rear single-circuit turn signals, as well as custom single-circuit lights and LEDs.
- Any existing load equalizers must be removed prior to installing the Run-Turn-Brake control module. Any load equalizers necessary after installation of the Run-Turn-Brake control module can be reinstalled later. NEVER install a load equalizer between the control module and the rear lights!
- The control module adds "Run", "Turn", and "Brake" function to stock rear single-circuit turn signals, as well as custom single-circuit lights and LEDs.

**ATTENTION!** Turn signals must be equipped with red lenses or red LEDs to meet State and Federal Regulations. Check with your local laws before using existing stock amber lenses or bulbs on any lights on the rear of the motorcycle.

**ATTENTION!** A factory service manual may be helpful in performing this installation. Do not attempt to perform this installation if you are not confident in your ability to complete all steps in the procedure; consult a trained technician.

#### PROCEDURE

**STEP 1** Locate the rear fender lighting wiring harness under the seat. Refer to your factory service manual for help locating the wiring harness.

**STEP 2** Separate the two halves of the connector plugs. Install the Run-Turn-Brake control module inline; be sure to apply dielectric grease to the electrical connections before mating.

**STEP 3** The Run-Turn-Brake control module is supplied with a flash tab. With flash tab installed, the brake light and turn signals will flash multiple times, then illuminate steady when the brake is applied. With the flash tab removed, the brake light and turn signals will illuminate steady when the brake is applied. Be sure the motorcycle ignition is in the "off" position before installing or removing the flash tab.

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#### CUSTOMER SERVICE

877.370.3604 (toll free)

#### INSTALLATION QUESTIONS

techsupport@kuryakyn.com  
or call 715.247.2983

#### LIMITED WARRANTY

Kuryakyn warrants that any Kuryakyn 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:

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You'll find all our innovations for H-D, GL and Metric Cruisers in our annual catalogs. Order online today—select the "CATALOGS" icon. Each Kuryakyn product comes with a Proof-of-Purchase good for a complimentary catalog. Details in packaging.

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

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**STEP 4** Start the motorcycle and test the function of the Run-Turn-Brake control module:

- A)** Verify the tail lamp and turn signals illuminate.
- B)** Apply the brake; if the flash tab is installed, verify the brake light and turn signals flash multiple times before illuminating steady. If the flash tab is not installed, verify the brake light and turn signals illuminate steady while the brake is activated.
- C)** Verify that when either of the turn signals are applied that they do not flash too rapidly or operate erratically. If this occurs, you will need to install a load equalizer. See the end of this document for the load equalizer installation procedure.

**STEP 5** Stow the Run-Turn-Brake control module under the seat. If you will not be installing the load equalizer, replace the seat. If you will be installing the load equalizer, leave the seat off and proceed to the next section.

## INSTALLING THE LOAD EQUALIZER

**ATTENTION!** Any load equalizers must be installed upstream of the Run-Turn-Brake control module. **NEVER** install a load equalizer between the Run-Turn-Brake control module and the rear lights.

**STEP 6** The motorcycle must be "off" before installing the load equalizer. Locate the Run-Turn-Brake control module and plug the load equalizer into one of the empty 3-pin socket on the control module.

**STEP 7** Start the motorcycle and retest the light functions, refer to STEP 4. If the lights still flash too rapidly or operate erratically, you will need to install a second load equalizer (Küryakyn P/N 4810, sold separately).

**STEP 8** The load equalizers become warm during normal operation of the turn signals. Secure the load equalizer to the motorcycle frame; this will act as a heat sink and help cool the load equalizer. Keep the load equalizer away from any heat-sensitive components.

**WARNING!** ALWAYS INSTALL THE LOAD EQUALIZER UPSTREAM OF ANY EXISTING AFTERMARKET MULTIFUNCTION CONTROL MODULES. DO NOT INSTALL A LOAD EQUALIZER BETWEEN A MODULE AND THE TURN SIGNALS AS THIS WILL OVERLOAD THE MODULE. OVERLOADING WILL DAMAGE THE MODULE AND CREATE A FIRE HAZARD!

**WARNING!** 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 CREATES A FIRE HAZARD!

*Ride On!*

