



# INSTALLATION

## PLUG AND PLAY RUN-TURN-BRAKE CONTROLLER 4611

### FOR HONDA

FITS ALL '02-'03 VTX1800, '04 VTX1800 C; ALL '03-'05 VTX1300, '02-'03 SHADOW 750 ACE MODELS.

PART #	INCLUDED
604611	1 Run-Turn-Brake Control Module
	1 Flash Tab
	1 Dielectric Grease
304611	1 Installation Instructions

Please read and understand entire instructions before starting installation.

### THANK YOU FOR CHOOSING KÜRYAKYN!

### TOOLS NEEDED

Test light

### 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.

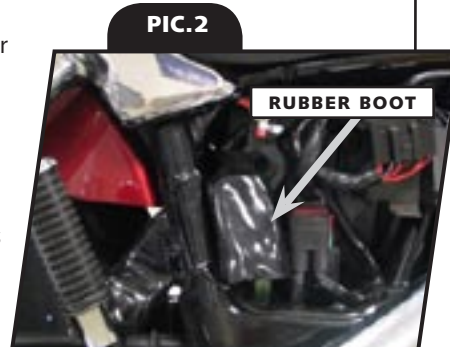
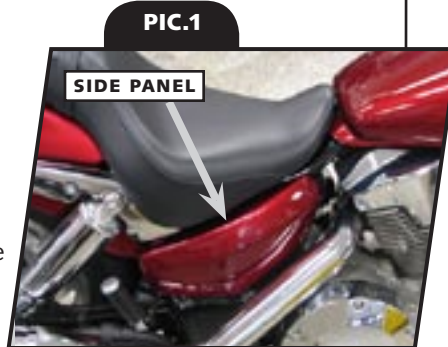
**ATTENTION!** Turn signals must be equipped with red lenses or red LEDs to meet State and Federal Regulations. Check with your local laws before using existing stock amber lenses or bulbs on any lights on the rear of the motorcycle.

**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 behind the right side panel. The wiring harness connections are covered by a protective rubber boot. See [PIC.1](#) and [PIC.2](#).

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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:

- Kuryakyn 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.
- Kuryakyn makes no warranty, expressed or implied, with respect to any gold plated products.
- Kuryakyn shall not be liable for any consequential and incidental damages, including labor and paint, resulting from failure of a Kuryakyn product, failure to deliver, delay in delivery, delivery in nonconforming condition, or for any breach of contract or duty between Kuryakyn and a customer.
- Kuryakyn products are often intended for use in specific applications. Kuryakyn makes no warranty if a Kuryakyn product is used in applications other than intended.
- Kuryakyn electrical products are warranted for one (1) year from the date of purchase by the consumer. Components of Kuryakyn products containing L.E.D.s will be warranted for defects in materials and workmanship for 3 years from the date of purchase.
- Kuryakyn makes no warranty of any kind in regard to other manufacturer's products distributed by Kuryakyn. Kuryakyn 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.

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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 2** Use a test light to identify the following wire connections: brake, left turn signal, and right turn signal.

**STEP 3** One wire at a time, separate the two halves of the stock connector plugs and install the Run-Turn-Brake control module inline, matching the wires functions. Be sure to apply dielectric grease to the electrical connections before mating. Repeat for the three function wires. See [PIC.3](#).

**STEP 4** Connect the two ground wires from the control module to the chassis. Loosen the bolt in the frame shown in [PIC.4](#) and slide the forked terminals over the bolt shaft. Retighten the bolt.

**STEP 5** Place the supplied clamshell Scotch-lock electrical connector over the input tail light power wire on the stock wiring harness; be sure the wire is centered between the metal teeth. Squeeze the clamshell together for a good connection. See [PIC.5](#). Connect the input power wire from the control module to the spade connection on the clamshell. See [PIC.6](#).

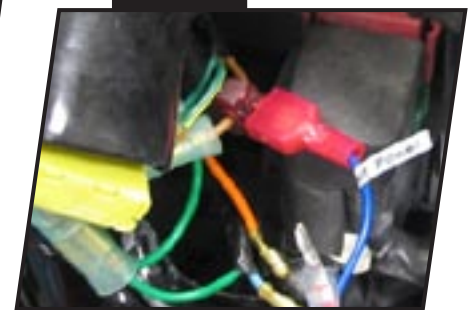
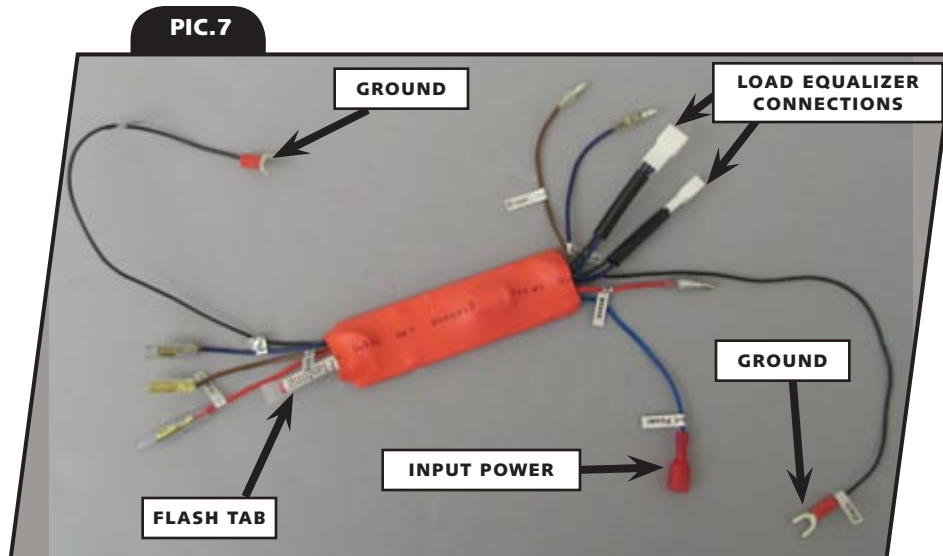
**STEP 6** The Run-Turn-Brake control module is supplied with a flash tab. See [PIC.7](#). With flash tab installed, the brake light and turn signals will flash multiple times, then illuminate steady when the brake is applied. With the flash tab removed, the brake light and turn signals illuminate steady when the brake is applied. Be sure the motorcycle ignition is in the "off" position before installing or removing the flash tab.

**STEP 7** 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 activated, 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 8** Stow the Run-Turn-Brake control module behind the side panel. If you will not be installing the load equalizer, replace the side panel. If you will be installing the load equalizer, leave the side panel off and proceed to the next section.

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## 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 9** The motorcycle ignition must be in the “off” position 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. See [PIC.7](#).

**STEP 10** 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 (Kuryakyn PN 4810, sold separately).

**STEP 11** 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.

**CAUTION! ALWAYS UNPLUG THE LOAD EQUALIZER BEFORE OPERATING THE 4-WAY HAZARD LIGHTS! FAILURE TO DO SO WILL OVERHEAT THE LOAD EQUALIZER AND POSSIBLY DAMAGE YOUR MOTORCYCLE.**

**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!*

**Kuryakyn**

**PIC.8**



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