



INSTALLATION

RUN-TURN-BRAKE CONTROLLER KIT FOR TOUR PAK™ 5490

THANK YOU FOR CHOOSING KÜRYAKYN!

PROTECT YOURSELF AND OTHERS FROM POSSIBLE INJURY AND PROPERTY DAMAGE OR LOSS. PAY CLOSE ATTENTION TO ALL INSTRUCTIONS, WARNINGS, CAUTIONS, AND NOTICES REGARDING THE INSTALLATION, 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.
CAUTION	This indication alerts you to the fact that ignoring the contents described herein can result in minor or moderate potential injury.
NOTICE	This indication alerts you to the fact that ignoring the contents described herein may negatively affect product performance and functionality or damage the product itself or the product to which it is being attached.

MAKE SURE THE FOLLOWING PARTS HAVE BEEN INCLUDED IN THE KIT:

- 1 Run-Turn-Brake Harness — long wires
- 1 Run-Turn-Brake Controller — yellow casing
- 1 8-Pin Adapter — short wires
- 1 Hardware Kit containing:
 - 1 T. S. M. Load Equalizer
 - 1 Run-Turn-Brake NO FLASH tab
 - 1 Dielectric Grease pack
 - 4 4" Cable Ties
 - 2 8" Cable Ties
- 1 Installation Instructions

TOOLS SUGGESTED:

Set of wrenches, screwdriver, small pick tool

NOTICE	These installation instructions contain important information. Ensure that the end user receives this copy and is aware of its importance for future reference.
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- 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.

NOTICE	Kuryakyn P/N 5490, Run-Turn-Brake Controller for Tour Pak™ enables the turn signal system to function as Run-Turn-Brake. In order to comply with Federal and State regulations, rear turn signals must be equipped with RED lenses or RED L. E. D. conversions (sold separately from Kuryakyn).
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Other than Kuryakyn Panacea Controllers, all other modules and controllers MUST BE REMOVED before installing Kuryakyn p/n 5490 (Run-Turn-Brake Controller for Tour Pak™). Motorcycles equipped with Kuryakyn Panacea Controllers require Kuryakyn p/n 5488 (Adapter Harness, R-T-B & Panacea Modules, sold separately).

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. L.E.D.'S contained in components of Kuryakyn 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.

- 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.

ABOUT OUR CATALOG

For purchasing Kuryakyn® products, you can receive a complete catalog free of charge. Send the Proof-of-Purchase below with your address to: Kuryakyn
454 County Road V V
Somerset, WI 54025-9031
Please indicate either Accessories Catalog for Harley-Davidson® or GL & Metric Cruisers.

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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BIKE PREP:

STEP 2

Open the Tour Pak™ lid; locate and remove the two acorn nuts and washers securing the document pouch to the Tour Pak™. Set the pouch, acorn nuts, and washers aside for now.

Gently lift up on the Tour Pak™ lining to remove it. Set it aside for now.

STEP 3

Refer to **PIC 1**. Locate and disconnect the 3-pin Tour Pak™ lighting connector; it will not be re-used.

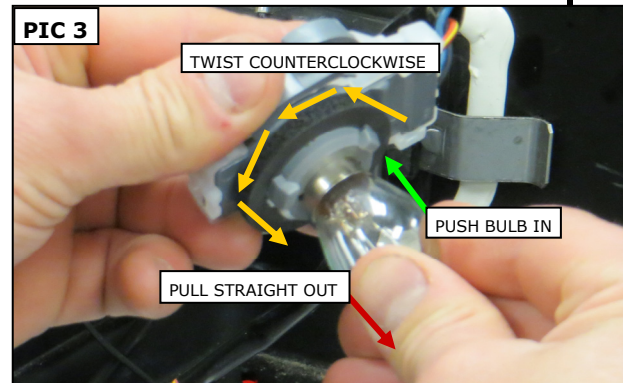
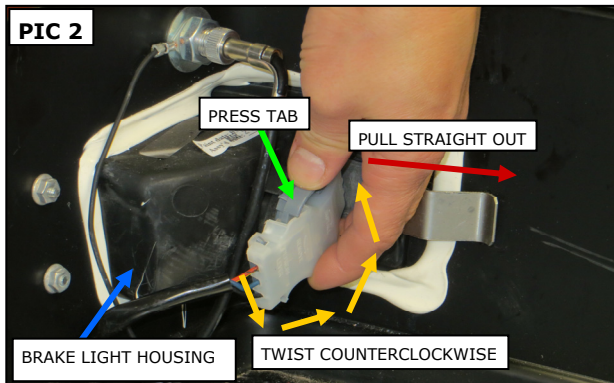
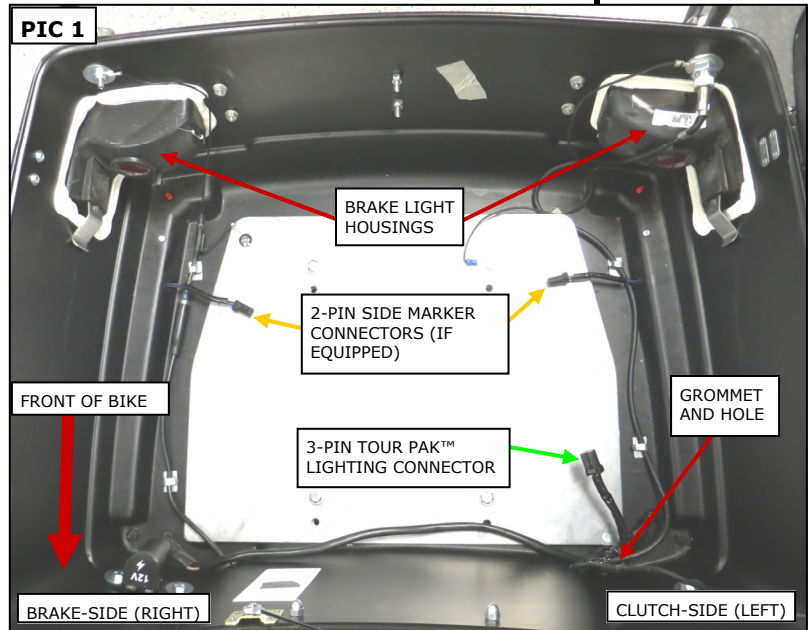
Locate and disconnect the 2-pin side-marker connectors (if equipped).

STEP 4

Refer to **PIC 2**. Remove the two bulb sockets by pressing the tab down, twisting the sockets counterclockwise and pulling them straight out of the brake light housings.

STEP 5

Refer to **PIC 3**. Push the bulbs in and twist counterclockwise, then pull straight out to remove them from the sockets; set the bulbs aside for now, they will be reused.



INSTALL THE HARNESS, CONTROLLER, AND ADAPTER:

STEP 6

Locate the included Run-Turn-Brake Harness (it has the long wires).

Remove the metal plate to fully remove the OEM wiring harness. Get help to secure the Tour Pak™ while the fasteners are being removed. Reinstall the metal plate and route the new Run-Turn-Brake Harness around the edges of the Tour Pak™. Ensure no wires are pinched during reinstallation of the metal plate.

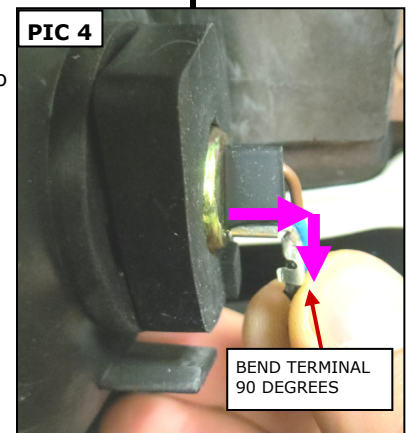
NOTICE

Dielectric grease inhibits moisture and prevents corrosion. Kuryakyn recommends the use of the included dielectric grease on ALL electrical connections. Apply dielectric grease directly to mating surfaces.

Apply some of the included dielectric grease to the metal bases of the existing bulbs (from **STEP 5**); install them in the new sockets in the reverse order they were removed. Ensure that the metal socket flanges are flat against the rubber plugs. Carefully bend the metal terminal down 90 degrees as shown in **PIC 4**.

NOTE:

The new bulb sockets are SIDE-SPECIFIC. The right-side bulb socket has the BROWN wire; the left side bulb socket has the VIOLET wire.



STEP 7

Connect the 2-pin connectors from the R-T-B Harness to the 2-pin side-marker connectors (if equipped).

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NOTE:

The new side-marker light-connectors (if equipped) are **SIDE-SPECIFIC**. The right-side connector has the **BROWN** wire; the left side connector has the **VIOLET** wire.

STEP 8

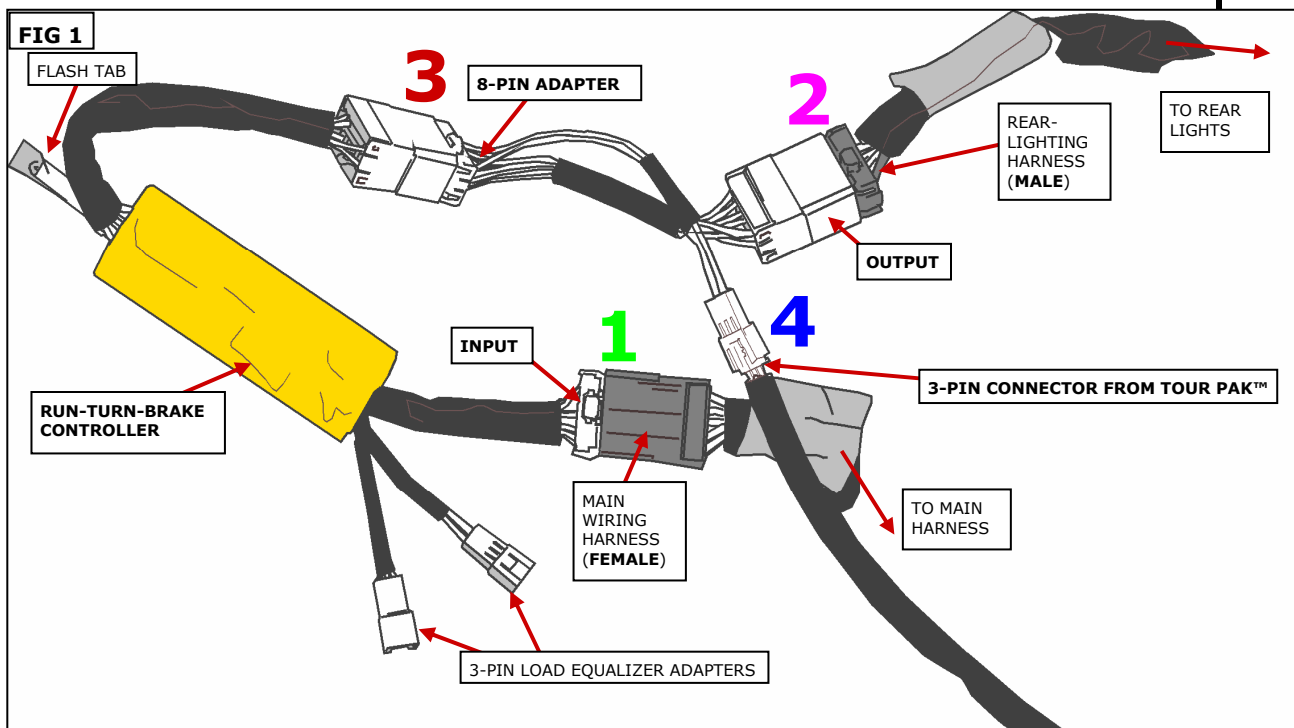
Refer to **PIC 1 on PAGE 2**. Temporarily remove the rubber grommet in the lower front side. Route the white 3-pin connector (on the long wire) through the hole; reinstall the rubber grommet after routing the wiring.

STEP 9

Remove the seat; set it aside for now. Refer to **FIG 1**. Underneath the seat, locate and separate the OEM rear-lighting harness (black 8-pin connector). The rear-lighting side of the harness will be coming out of a hole in the rear fender.

NOTICE

Dielectric grease inhibits moisture and prevents corrosion. Kuryakyn recommends the use of the included dielectric grease on **ALL** electrical connections. Apply dielectric grease directly to mating surfaces.



STEP 10

Refer to **FIG 1**. Locate the included Run-Turn-Brake Controller and connect it to the main wiring harness (**female** connector, **1**) on the bike.

Locate the included 8-Pin Adapter and connect it to the rear-lighting harness (**male** connector, **2**).

Connect the Controller to the Adapter (**3**); the 8-Pin Adapter must be "down stream" from the R-T-B Controller.

STEP 11

Route the white 3-pin connector (male) from **STEP 8** towards the 8-Pin Adapter; connect it to 3-pin connector (female) on the Adapter (**4**). The 3-pin connector (male) **MUST** be connected to the 3-pin connector (female) on the Adapter; **DO NOT** connect it to the 3-pin Load Equalizer connectors (female) on the Controller.

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TEST FOR FUNCTION AND FINISH INSTALLATION:

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STEP 12

Refer to **PIC 5**. Turn on the ignition and test for proper Run-Turn-Brake function. The brake lights (and side marker lights, if equipped) on the Tour Pak™ and the lower turn signals should now function as Run-Turn-Brake.

NOTE:

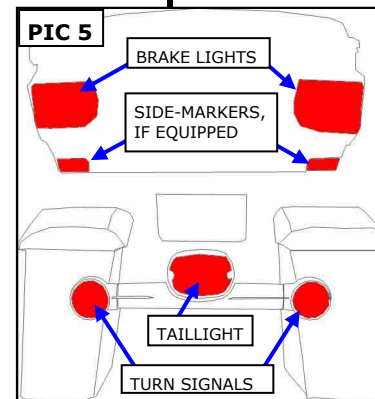
Refer to **FIG 1** on **PAGE 3**. Remove the **FLASH** tab from the RTB Controller and insert the included **NO FLASH** tab to disable the flashing brake function.

If the turn signals flash faster than normal:

turn the ignition off;

connect the included T. S. M. Load Equalizer to one of the open 3-pin connectors on the R-T-B Controller (refer to **FIG 1** on **PAGE 2**);

turn the ignition on and test for proper function.



STEP 13

Install the bulb sockets in the brake light housings. Push the new sockets into the housings at an angle to get one side started then push the rest of it into the housing. Refer to **PIC 4** on **PAGE 2**. Ensure that the 90 degree terminal is facing downward so it does not catch on the liner.

STEP 14

Secure wiring away from any moving parts, pinch points or extreme heat with the included Cable Ties.

NOTICE

Secure all wiring away from any moving parts, pinch points or extreme heat. Kuryakyn WILL NOT provide warranty coverage on any electrical component that fails due to pinched, crimped, broken, abraded, melted or frayed wires.

STEP 15

Reinstall the lining and document pouch in the reverse order they were removed.

STEP 16

Close lid and ensure it latches correctly.

STEP 17

Reinstall the seat.

STEP 18

Ensure proper operation of **ALL** light functions **BEFORE** operating the motorcycle.

WARNING

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

NOTICE

It is the end user's responsibility to ensure that all of the fasteners (including pre-assembled) are tightened before operation of the motorcycle. Kuryakyn will not provide warranty coverage on products or components lost or damaged due to improper installation or lack of maintenance. Periodic inspection and maintenance are required on all fasteners.

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Ride On!

RUN-TURN-BRAKE CONTROLLER KIT FOR TOUR PAK™

INSTALLATION