



# INSTALLATION



## WIRING HARNESS FOR TRAILERS (H-D) 7668

**FITS: '96-UP SOFTAILS, '97-UP DYNAS, ELECTRA GLIDES, ROAD GLIDES, STREET GLIDES, AND ROAD KINGS**

**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.

### ABOUT OUR CATALOG

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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### PARTS INCLUDED

- 1 Trailer Wiring Isolation Relay
- 1 Wire Lead with in-line fuse holder
- 1 Sub Harness for H-D
- 3 Ring Terminals
- 1 Butt Connector
- 1 Dielectric Grease Pack
- 6 Black Cable Ties
- 2 1" x 2" Adhesive Backed Hook Strap
- 2 1' x 2" Adhesive Backed Loop Strap
- 1 Alcohol Pad
- 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 ATTENTION NOTES 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.

**CAUTION!** This indication alerts you to the fact that ignoring the contents described herein can result in potential injury or material damage.

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

### TOOLS SUGGESTED

Set of hex wrenches, Combination Wrenches, Side Cutter, Electrical Tape, a set of Screw Drivers, and a Test Light

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

### INSTALLATION OF THE SUB HARNESS

**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.

**STEP 2** Remove the seat and any other panels to access the battery. Disconnect the negative battery cable from the battery. Refer to the security system section of your owner's manual for special precautions and procedures relating to the temporary disconnection of the battery. (If applicable)



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**STEP 3** Unplug the 8-pin rear fender lighting connector (black) found under the seat. (The rear 8-pin wire will usually route through the rear fender and go to the taillight.)

**STEP 4** Take the new sub harness and connect the proper plugs between the 8-pin connector.

**ATTENTION!** Kuryakyn recommends the use of dielectric grease on electrical connections.

**ATTENTION!** Install the new Sub Harness in-line before any other components (Run-Turn-Brake, Panacea or any other H-D control module) on the bike.

**STEP 5** Take the 4-pin connector and route it toward the back of the bike. This connection will be used to supply the power to the trailer.

## TRAILER ISOLATION WIRING HARNESS

**STEP 1** Take the supplied ring terminals and crimp one to the red power wire with the in-line fuse, and one terminal to each of the black ground cables.

**STEP 2** With the supplied butt connector, crimp it on the end of the red power wire from the trailer isolation harness. Slide the other supplied red power wire with the fuse into the opposite end of the butt connector and crimp it, joining the two wires as one.

**STEP 3** Take the long red positive and the long black ground wires and route them to the battery. Be cautious of where you route the wires, avoid moving parts or extreme heat. In addition, if your bike is equipped with saddlebags you will still need to be able to remove them if needed.

**STEP 4** Take the red power wire and the long black ground wire and connect the red wire to the positive terminal and the black wire to the negative terminal on the battery. The other black ground wire is used for a chassis ground.

**STEP 5** On the back of the bike, plug the Trailer Isolation Relay Kit to the sub-harness. Be sure to use dielectric grease on the connections.

**STEP 6** Turn the key to the on position and check to see if you have power to each wire with a test light. (You will need assistance to test the brake light) Yellow is Right turn, Brown is Left turn, Green is Taillights, Blue is Brake lights.

**STEP 7** Tie up any excess wire length with the provided cable ties. Locate an area on the bike that you will be able to mount the trailer isolation relay box. Take the provided 1" x 2" Adhesive Backed Hook Strap and the 1' x 2" Adhesive Backed Loop Strap and place one on the back of the trailer isolation relay and the other on the bike in a good and safe area that is out of harms way.

**STEP 8** Connect the wires to the appropriate style connector required for your trailer application.

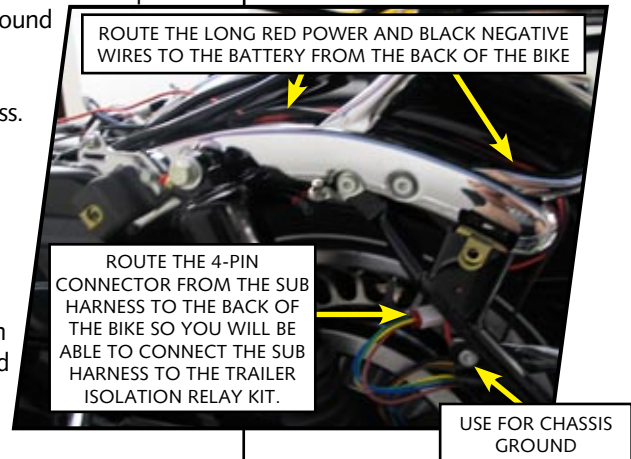
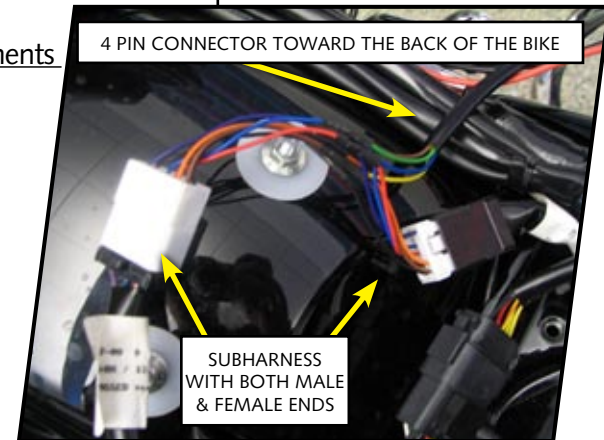
**STEP 9** When you are satisfied with the wiring, re-install the saddlebag. If needed, replace the seat, and secure it in the same order that it was removed in step 2 of the sub harness installation instructions.

**WARNING! ENSURE PROPER TRAILER WIRING HARNESS AND RELAY OPERATION BEFORE RIDING THE MOTORCYCLE. VISIBILITY IS A MAJOR CONCERN FOR MOTORCYCLISTS. TRAILER WIRING HARNESS AND RELAY MALFUNCTION COULD RESULT IN DEATH OR SERIOUS INJURY.**

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

**ATTENTION!** It is the installer's responsibility to ensure that all of the fasteners (including pre-assembled) are tightened before operation of the motorcycle. Kuryakyn will not issue a warranty on components lost due to improper installation. Periodic maintenance may be required.

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Ride On!

WIRING HARNESS FOR TRAILERS (H-D)

INSTALLATION