



# INSTALLATION

## REAR TURN SIGNAL LIGHT BAR 2099

FITS '91 - UP FLT (DRESSER AND ROAD KING); '86 - UP FLST, FLSTC, AND FLSTN MODELS. USED WITH SILVER BULLET LIGHTS WITH FENDER STRUT MOUNT (P/N 1619).

### PARTS INCLUDED

- 1 Turn Signal Light Bar
- 1 License Plate Bracket
- 1 Hardware and Wire Connector Kit, including:
- 2 1/4-20 x 1/2" BSCS Fastener
- 2 1/4-20 x 5/8" HHCS Fastener
- 2 1/4" SAE Flat Washer
- 2 Cable Tie, 4" Black Nylon
- 2 T-Tap Female Scotchlok Connectors
- 2 Male Scotchlok Connectors
- 1 4885 Connector Kit, including:
- 2 Wired Male Connector Plug
- 4 Heat Shrink Tubing, 3mm x 3/4" long
- 10 Cable Tie, 4" Black Nylon
- 1 Dielectric Grease
- 1 Installation Instructions

Please read and understand entire instructions before starting installation.

### THANK YOU FOR CHOOSING KÜRYAKYN!

#### PLEASE NOTE

It is the installers' responsibility to make sure all fasteners (including pre-assembled) are tightened before operation of motorcycle. Kuryakyn will not warranty components that are lost due to improper installation. Periodic maintenance may be required.

#### TOOLS SUGGESTED

Allen wrenches, standard wrenches, Phillips screwdriver, wire cutters, soldering iron, and test light.

**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.

**ATTENTION!** When routing the wiring harness, be sure to keep the wiring away from any moving parts. Kuryakyn **WILL NOT** warranty any electrical component that fails due to pinched, crimped, broken, abraded, or frayed wires.

#### PROCEDURE

**STEP 1** Disconnect the battery. Remove the stock tail light lens and light bar. Disconnect the turn signal electrical connections.

-cont.-

**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 non-conforming 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.

©2005 Kuryakyn USA® All Rights reserved.



**STEP 2** Route the wires from the Silver Bullet lights through the short strut included with the Silver Bullet installation kit, then route the wires through the holes in the light bar. See [PIC.1](#).

**STEP 3** Secure the Silver Bullet lights to the light bar with the fasteners supplied in the Silver Bullet installation kit.

**STEP 4** Install your license plate into the new license plate bracket and mount the bracket to the light bar using the two supplied button-head fasteners. See [PIC.2](#).

**STEP 5** Install the light bar on the rear fender using the supplied hex-head fasteners and washers. Tighten the fasteners evenly; take care not to over-tighten the fasteners, you could damage the fender.

**STEP 6** Feed the wires for the Silver Bullet lights and the license plate light through the fender and make the electrical connections. Refer to the appropriate section below for your particular model.

### '99 – UP ROAD KINGS AND DRESSERS, '00 – UP HERITAGE SOFTTAILS USING L.E.D. SILVER BULLETS

**STEP 7** Use wire strippers to strip the end of the license plate illuminator wires. Crimp a male Scotchlok terminal end to each wire.

**STEP 8** Install T-Tap female Scotchloks on the blue wire and on the black wire inside the taillight housing.

**STEP 9** Connect the red wire from the illuminator to the blue wire inside the taillight. Connect the black wire from the illuminator to the black wire inside the taillight. See [PIC.3](#) for proper Scotchlok connection.

**STEP 10** Strip the ends of the violet and black wires from each Silver Bullet lights. Slide a length of supplied heat shrink tubing over each wire.

**STEP 11** Solder the violet wire from each Silver Bullet light to the violet wire on the supplied wired male connector plugs; repeat for the black wires. See [PIC.4](#).

**STEP 12** Remove the stock taillight lens and plug the connectors into the appropriate sockets in the taillight base.

**STEP 13** Reconnect the battery and test the light for proper function. Shrink the heat shrink tubing around the wires, take care not to melt the insulation on the wires.

**NOTE** If your turn signals flash too rapidly, you will need to install a load equalizer; see the section "Installing the Load Equalizer" for a step-by-step procedure.

**STEP 14** Reinstall the stock taillight lens. Use the supplied cable ties to secure the wiring away from any moving parts.

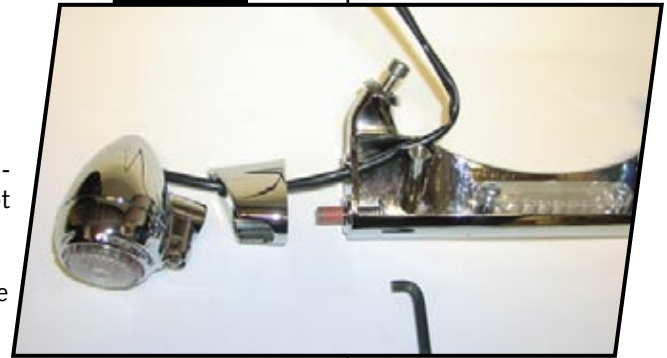
### PRE-'99 ROAD KINGS AND DRESSERS, AND PRE-2000 HERITAGE SOFTTAILS USING L.E.D. SILVER BULLETS

**STEP 7** Reconnect your battery and use a test light to determine the polarity of the wires running to the fender tip light.

**STEP 8** Use wire strippers to strip the end of the license plate illuminator wires. Crimp a male Scotchlok terminal end to each wire.

-cont.-

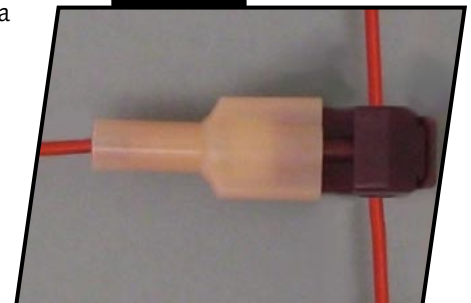
PIC.1



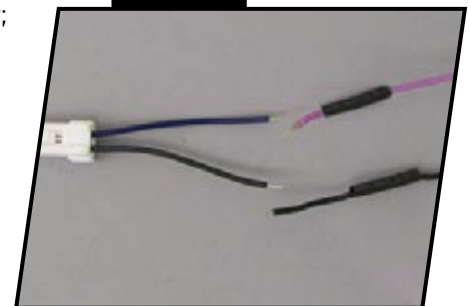
PIC.2

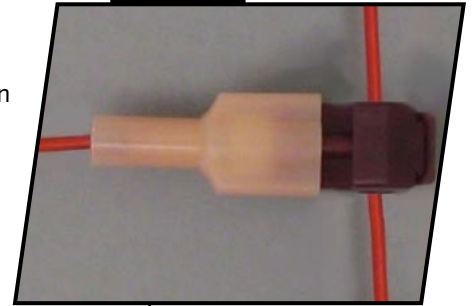


PIC.3



PIC.4





**STEP 9** Install T-Tap female Scotchloks on the positive wire and on the negative wire inside the taillight housing.

**STEP 10** Connect the red wire from the illuminator to the positive wire inside the taillight. Connect the black wire from the illuminator to the negative wire inside the taillight. See [PIC.3](#) for proper Scotchlok connection.

**STEP 11** With the battery still connected, use your test light to identify the positive and negative wires from the turn signal connections on the bike. Mark the wires then disconnect the battery.

**STEP 12** Strip the ends of the violet and black wires from each Silver Bullet light. Slide a length of supplied heat shrink tubing over each wire.

**STEP 13** On the right Silver Bullet turn signal, solder the black wire to the stock ground wire. Solder the violet wire to the stock right turn positive wire.

**STEP 14** On the left Silver Bullet turn signal, solder the black wire to the stock ground wire. Solder the violet wire to the stock left turn positive wire.

**STEP 15** Reconnect the battery and test the light for proper function. Shrink the heat shrink tubing around the wires, take care not to melt the insulation on the wires.

**NOTE** If your turn signals flash too rapidly, you will need to install a load equalizer; see the section "Installing the Load Equalizer" for a step-by-step procedure.

**STEP 16** Reinstall the stock taillight lens. Use the supplied cable ties to secure the wiring away from any moving parts.

### **'99 – UP ROAD KINGS AND DRESSERS, '00 – UP HERITAGE SOFTTAILS USING HALOGEN SILVER BULLETS**

**STEP 7** Use wire strippers to strip the end of the license plate illuminator wires. Crimp a male Scotchlok terminal end to each wire.

**STEP 8** Install T-Tap female Scotchloks on the blue wire and on the black wire inside the taillight housing.

**STEP 9** Connect the red wire from the illuminator to the blue wire inside the taillight. Connect the black wire from the illuminator to the black wire inside the taillight. See [PIC.3](#) for proper Scotchlok connection.

**STEP 10** Strip the ends of the black wires from each Silver Bullet lights. Slide a length of supplied heat shrink tubing over each wire.

**STEP 11** Solder the black wire from each Silver Bullet light to the violet wire on the supplied wired male connector plugs. You do not need to connect a ground wire as the halogen lights use a chassis ground.

**STEP 12** Remove the stock taillight lens and plug the connectors into the appropriate sockets in the taillight base.

**STEP 13** Reconnect the battery and test the light for proper function. Shrink the heat shrink tubing around the wires, take care not to melt the insulation on the wires.

**STEP 14** Reinstall the stock taillight lens. Use the supplied cable ties to secure the wiring away from any moving parts.

## PRE-'99 ROAD KINGS AND DRESSERS, AND PRE-2000 HERITAGE SOFTTAILS USING HALOGEN SILVER BULLETS

**STEP 7** Reconnect your battery and use a test light to determine the polarity of the wires running to the fender tip light.

**STEP 8** Use wire strippers to strip the end of the license plate illuminator wires. Crimp a male Scotchlok terminal end to each wire.

**STEP 9** Install T-Tap female Scotchloks on the positive wire and on the negative wire inside the taillight housing.

**STEP 10** Connect the red wire from the illuminator to the positive wire inside the taillight. Connect the black wire from the illuminator to the negative wire inside the taillight. See [PIC.3](#) for proper Scotchlok connection.

**STEP 11** With the battery still connected, use your test light to identify the positive and negative wires from the turn signal connections on the bike. Mark the wires then disconnect the battery.

**STEP 12** Strip the ends of the black wires from each Silver Bullet light. Slide a length of supplied heat shrink tubing over each wire.

**STEP 13** On the right Silver Bullet turn signal, solder the black wire to the stock right turn positive wire. You do not need to connect a ground wire as the halogen lights use a chassis ground.

**STEP 14** On the left Silver Bullet turn signal, solder the black wire to the stock left turn positive wire. You do not need to connect a ground wire as the halogen lights use a chassis ground.

**STEP 15** Reconnect the battery and test the light for proper function. Shrink the heat shrink tubing around the wires, take care not to melt the insulation on the wires.

**STEP 16** Reinstall the stock taillight lens. Use the supplied cable ties to secure the wiring away from any moving parts.

### INSTALLING THE LOAD EQUALIZER

**STEP 1** The motorcycle ignition must be in the "off" position before installing the load equalizer. Disconnect the battery.

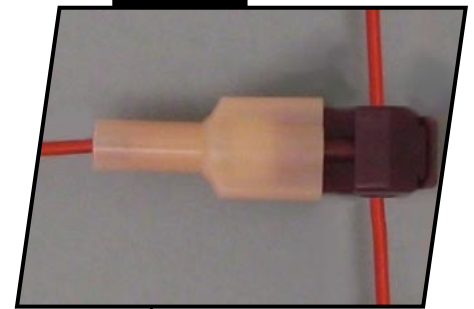
**STEP 2** Remove the seat and locate the rear lighting wiring harness that goes out to the fender. Install the load equalizer using the supplied Scotchlok connectors; refer to [FIG.1](#) for correct wiring.

**STEP 3** Reconnect the battery and check the turn signals for proper function. Secure the wiring and load equalizer away from any moving parts.

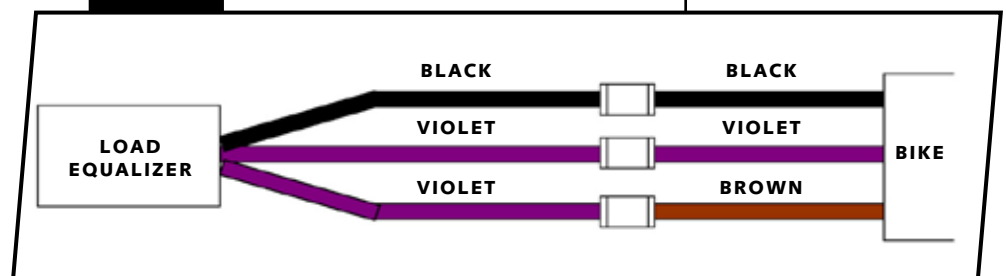
**ATTENTION! LOAD EQUALIZERS BECOME WARM DURING NORMAL OPERATION OF THE TURN SIGNALS. SECURE THE LOAD EQUALIZER TO THE MOTORCYCLE FRAME; THIS WILL ACT AS A HEAT SINK AND HELP COOL THE LOAD EQUALIZER. KEEP THE LOAD EQUALIZER AWAY FROM ANY HEAT-SENSITIVE COMPONENTS.**

# Kuryakyn®

**PIC.3**



**FIG.1**



**PAGE**

**4**