SMALL RED L.E.D. SILVER BULLETS 1647

PARTS INCLUDED

2		Small Red L.E.D. Silver Bullets (Dual Function - 3/8”-16 Mount)
1		Hardware Kit Containing:
	2	3/8" Tooth Lock Washers
	2	3/8”-16 x 1-1/2" Hollow Hex Head Cap Screws
	2	3/8”-16 x 1-1/8" Hollow Hex Head Cap Screws
	1	Anti-Seize Packet
1		Load Equalizer
	3	Scotch-Lock Wire Connectors
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 NOTICES 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.
NOTICE	**This indication alerts you to the fact that ignoring the contents described herein may negatively affect product performance and functionality.**
⚠ CAUTION	This indication alerts you to the fact that ignoring the contents described herein can result in potential injury.

NOTICE **IF INSTALLING THIS PRODUCT FOR ANOTHER PARTY, PLEASE MAKE SURE THEY RECEIVE THIS COPY OF THE INSTALLATION INSTRUCTIONS SO THEY ARE AWARE OF THE IMPORTANT INFORMATION CONTAINED IN THEM.**

TOOLS SUGGESTED

Set of Hex Wrenches, Set of Combination Wrenches, Test Light, Wiring Supplies

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

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.

NOTE: Silver Bullets are not D.O.T. approved and are intended for use as supplemental rear running, turn, or brake lights only.

CUSTOMER SERVICE
877.370.3604 (toll free)

INSTALLATION QUESTIONS
techsupport@kuryakyn.com
or call 715.247.2983

LIMITED WARRANTY

Küryakyn warrants that any Küryakyn 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:

- Küryakyn 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.
- Küryakyn makes no warranty, expressed or implied, with respect to any gold plated products.
- Küryakyn shall not be liable for any consequential and incidental damages, including labor and paint, resulting from failure of a Küryakyn product, failure to deliver, delay in delivery, delivery in nonconforming condition, or for any breech of contract or duty between Küryakyn and a customer.
- Küryakyn products are often intended for use in specific applications. Küryakyn makes no warranty if a Küryakyn product is used in applications other than intended.
- Küryakyn electrical products are warranted for one (1) year from the date of purchase by the consumer. L.E.D.’S contained in components of Küryakyn 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.
- Küryakyn makes no warranty of any kind in regard to other manufacturer¹s products distributed by Küryakyn. Küryakyn 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 Küryakyn® products, you can receive a complete catalog free of charge. Send the Proof-of-Purchase below with your address to: Küryakyn, P.O. Box 339, Somerset, WI 54025. Please indicate either Accessories Catalog for Harley-Davidson® or GL & Metric Cruisers.

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

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NOTE: **This kit includes bolts that are 1-1/2" long. In some applications, they may be too long and contact the light's internals before they are tightened completely. If you encounter this situation, use the 1-1/8" long bolts. If you still encounter the issue, simply shorten the bolt to the required length using a hack saw or "cut-off" tool.**

WARNING IT IS THE INSTALLERS RESPONSIBILITY TO ENSURE THAT THE INSTALLATION OF THIS ACCESSORY DOES NOT EXCEED THE MAXIMUM AMPERAGE OF THE CHOSEN CIRCUIT. EXCEEDING THE MAXIMUM ALLOWABLE AMPERAGE MAY LEAD TO CIRCUIT FAILURE WHICH COULD RESULT IN SERIOUS INJURY OR DEATH.

WARNING A FACTORY SERVICE MANUAL WILL BE HELPFUL IN PERFORMING THIS INSTALLATION. DO NOT ATTEMPT TO PERFORM THIS INSTALLATION IF YOU ARE NOT CONFIDENT IN YOUR ABILITY TO COMPLETE ALL OF THE STEPS IN THE PROCEDURE; CONSULT A TRAINED TECHNICIAN. IMPROPER INSTALLATION COULD RESULT IN SERIOUS INJURY OR DEATH.

PROCEDURE FOR MOUNTING RED DUAL CIRCUIT L.E.D. SILVER BULLETS

STEP 2 Determine a location for the Sliver Bullet Lights.

STEP 3 Insert the wire harness of one of the Silver Bullets through the included 3/8" internal tooth lock washer, then through the mounting area. Determine which of the included hex fasteners will work for this location. Insert the wire harness through the threaded end of the fastener and out the head. Slide the fastener along the wire harness and thread it into the Silver Bullet. **DO NOT** over tighten this fastener, it is hollow.

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

WIRE COLOR CODING IS AS FOLLOWS:

Black — Ground
Blue — Running Lights
Violet — Turn Signal

STEP 4 Identify the stock turn signal wiring harness; refer to your factory service manual to locate the harness.

STEP 5 **Turn the key "ON"** and using a test light or the wiring diagram for your bike, determine the left and right turn signal power, running light power and a ground wire. Label each of these wires for their function or write the color and function down. **Turn the key "OFF" and disconnect the battery.**

CAUTION Avoid potential electrical shock! Disconnect the battery before starting this procedure.

STEP 6 Use the color code on the bottom of Page 2, to solder/connect the corresponding Silver Bullet wires to your OEM stock wiring. Connect the black wires from the Silver Bullets to a chassis ground, or a known wiring harness ground wire.

STEP 7 Secure the excess wiring out of harms way.

NOTICE **Secure all wiring from the newly installed and/or from existing parts, away from any moving parts, pinch points or extreme heat. Küryakyn WILL NOT issue a warranty on any electrical component that fails due to pinched, crimped, broken, abraded, melted or frayed wires.**

STEP 8 Once all connections are connected, reconnect the battery. Turn the key to the "ON" position and check to ensure all lights work properly.

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

NOTE: If the lights do not light, and you have tested that you have power to the circuit board of the light, remove the LED bulb from the housing. Pay attention to the orientation of where the wires of the LED bulb are plugged into the circuit board. Unplug the bulb from the circuit board, turn it 180 degrees and plug it back in. LED lights are polarity specific and need power to come in on the positive side and exit on the negative side. The circuit board should have a (+) sign next to the positive and a (—) next to the negative side of the circuit board. Make sure the red wire from the bulb is in the positive side and the black is in the negative.

NOTE: Determine that the motorcycle requires the installation of a load equalizer by starting the motorcycle and checking the turn signals. If they flash fast or erratically, proceed as follows:

On motorcycles WITH a CAN BUS system: DO NOT install the load equalizer. To synchronize the turn signal system, start the motor cycle and turn either turn signal on for 5 flashes. Turn that signal off and turn on the other signal for 5 flashes. Turn the motorcycle off. Start the motorcycle and verify the signals flash at the correct rate.

On motorcycles WITHOUT a CAN BUS system: Proceed with the installation as follows.

If the signals flash at a normal rate, DO NOT install.

CAUTION Always install the load equalizer upstream of any existing multifunction control modules. Do not install a load equalizer between a module and the turn signals as this will overload the load equalizer. Overloading will damage the load equalizer and may create a fire hazard!

NOTE: If the bike is not equipped with a Küryakyn Panacea Taillight System or Küryakyn Run-Turn-Brake Controller and you do not wish to splice into bike's wiring, Küryakyn offers plug-in Load Equalizer Adapters (P/N 4837, or P/N 5499, sold separately) that fit most '96-later H-D models. These adapters plug into the stock wiring harness under the seat or behind the side cover (ensure that these are being connected upstream from any multi-function controller) and provide connectors that will accept the load equalizer. THIS DOES NOT APPLY TO CAN BUS EQUIPPED MOTORCYCLES.

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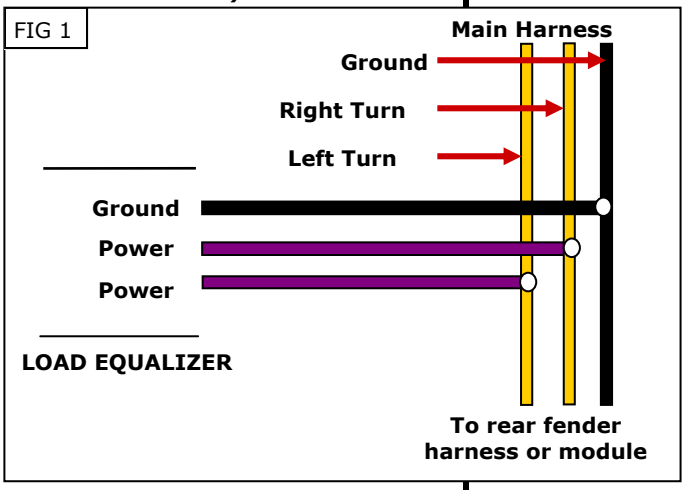
STEP 9 If the bike is not equipped with a Küryakyn controller of any sort, locate the left and right turn power wires and a ground wire **(upstream from any multi-function controller)** on the bike's wiring harness. Use a test light or wiring schematic for your model, typically easiest access is beneath the seat or behind a side cover. Label each of these wires for their function or write the color and function down. **Turn the key "OFF" and disconnect the battery.**

FIG 1



STEP 10 Cut off the connector of the load equalizer and using the included Scotch Locks, connect one violet wire from the load equalizer to the bikes' right turn power wire and the other violet wire from the load equalizer to the bike's left turn power wire. Connect the black wire from the load equalizer to the ground wire. FIG 1

STEP 11 The bike is equipped with a Küryakyn Panacea Taillight system or with a Küryakyn Run-Turn-Brake Controller and **DOES NOT have a Can Bus system,** plug the new load equalizer into either connector on the module.

STEP 12 Secure the load equalizer out of harms way. Load equalizers generate heat under normal use. It is important to tuck the load equalizer neatly out the way so it does not come in contact with any of the bike's heat sensitive components. Ideally, it should be fastened to the frame to help dissipate heat.

⚠ CAUTION 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 may create a fire hazard!

NOTICE **Do not secure the load equalizer to the control module! If possible, fasten the load equalizer to a frame tube as the frame will help to dissipate heat. If that is not possible, tuck the load equalizer into an area where it will not contact any heat sensitive components.**

NOTICE **Secure all wiring from the newly installed and/or from existing parts, away from any moving parts, pinch points or extreme heat. Küryakyn WILL NOT issue a warranty on any electrical component that fails due to pinched, crimped, broken, abraded, melted or frayed wires.**

STEP 13 Reconnect the battery and test the lights.

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

NOTE: **If, after the load equalizer is installed, the turn signals flash rapidly, you may need to synchronize the load equalizer to the turn signal system. Do this by starting the motor cycle and turning either turn signal on for 5 flashes. Turn that signal off and turn on the other signal for 5 flashes. Turn the motorcycle off. Start the motorcycle and verify the signals flash at the correct rate.**

STEP 14 Reinstall the seat (if removed)

⚠ WARNING AFTER INSTALLING THE SEAT, PULL UP ON IT TO ENSURE IT IS LOCKED INTO PLACE. A LOOSE SEAT CAN SHIFT AND CAUSE LOSS OF CONTROL RESULTING IN SERIOUS INJURY OR DEATH.