



INSTALLATION

SMALL RED LED SILVER BULLETS

1647

PARTS INCLUDED

- 2 Small LED Silver Bullets (Dual Function - 3/8-16 Mount)
- 1 Hardware Kit
 - 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 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 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

ATTENTION! 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 or material damage.

TOOLS SUGGESTED

Set of Hex Wrenches, Combination Wrenches, Test Light

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.

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

NOTES Silver Bullets are not D.O.T. approved and are intended for use as auxiliary running, turn, or brake lights only. Universal Silver Bullets can be installed just about anywhere. Kuryakyn's P-clamps and Two-Piece Fork Mounts work great to attach Silver Bullets to engine guards, frame tubes, or fork tubes.

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1647-22MC-1110

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, 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 Kuryakyn® products, the motorcycle parts and accessories designed for riders by riders.

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kuryakyn.com

CAUTION! 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.

PROCEDURE FOR RED DUAL CIRCUIT LED SILVER BULLET WIRE COLOR CODING IS AS FOLLOWS

Black — Ground
Blue — Running Lights (power)
Violet — Turn Signal (power)

- STEP 2** Turn key on. Test OEM stock front turn signal wiring with test light.
- STEP 3** Locate and mark the running light (power) wire.
- STEP 4** Individually activate the turn signals and mark the side-appropriate wires.
- STEP 5** Use the color code above to solder/connect the corresponding Silver Bullet wires to your OEM stock wiring.

FOR HARLEY -DAVIDSON APPLICATIONS:

1996-PRESENT MODELS

Join like colored wires on the Silver Bullets and the bike's turn signal harnesses. Insulate your connections. Route the wires safely out of harms way and tie the wires in place with nylon cable ties.

1995-EARLIER MODELS

With a test light, probe the two black wires leading to each of the stock front turn signals. On each side, the wire that has power only when the turn signal button is depressed is the turn signal positive wire. The wire that is "hot" constantly when the key is on is the running light wire. Connect the violet wire from the Silver Bullet to the bikes turn signal wire, and the blue Silver Bullet wire to the bikes running light wire. Connect the black wire from the Silver Bullet to a known good chassis ground (bare metal). Insulate your connections. Route the wires neatly out of harms way and secure them with nylon cable ties. When replacing stock incandescent turn signals with LED lights, it may be necessary to add a load equalizer to make the turn signals flash properly.

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

LED Turn Signals require the use of one Load Equalizer PER PAIR OF LED TURN SIGNALS to achieve the proper flash function. It is perfectly normal for the equalizer to get warm (about 140 degrees) during turn signal operation.

LOAD EQUALIZER INSTALLATION

- CAUTION!** Do not secure the load equalizer to the control module! Excess heat from the load equalizer could damage the control module.
- CAUTION!** 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!
- 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 damages the load equalizer causing loss of turn signal operation and could create a fire hazard!
- NOTE** When hard wiring the equalizer directly into the OEM wires you will need to cut off the plug-in on the equalizer. The load equalizer should be installed under the seat or where the rear taillight harness is located (side cover). Connect one each of the equalizers two violet wires to the bikes left and the other violet wire to the right turn signal positive wires. The black wire on the equalizer is connected to one of the black lighting ground wires, or to a bare metal chassis ground.
- CAUTION!** 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!** DO NOT operate the four way flashers (parade riding, etc.) as the equalizer will overheat and fail.
- IMPORTANT!** Once these lights have been installed and wired , seal the wire passage of the hollow bolts with silicone to prevent water from entering the Silver Bullet Housing