



INSTALLATION

LIGHTED CURVED LAY DOWN LICENSE PLATE MOUNT 3166

PARTS INCLUDED

- 1 Lighted Curved Lay Down License Plate Assembly
- 1 Hardware Kit Including:
 - 6 Cable Ties
 - 1 Dielectric Grease Pack
 - 1 1" x 8" Tape
 - 2 Rubber Grommet
 - 8 Female T-Taps
 - 8 Male Spades
 - 4 1/4"-20 x 9/16" Flat Socket Cap Screws
 - 3 1/4"-28 x 3/4" Socket Head Cap Screws
 - 3 1/4"-28 Nylock Nut
 - 1 Rubber Gasket
- 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 and Combination Wrenches, Wire Cutter/Crimper, Test Light, Drill and Drill Bits,

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! 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.

NOTE: VTX models will reuse the OEM fasteners that hold the plate bracket to the fender. HD models and Universal fitment will use the fasteners provided.

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 breach 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 manufacturer's 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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STEP 2 Remove your license plate from your bracket.

STEP 3 Remove your license plate bracket from your fender. The VTX models will reuse these fasteners. (On VTX models, the light bar on the Curved Plate Frame must be mounted in the top position for proper clearance.)

NOTE: If your motorcycle has four existing holes in the fender (PIC 1), proceed to Step 7.

ATTENTION! Before mounting the License Plate, look on the back of the frame and determine which wires run to the left and right signals. With a piece of tape, mark the wires to help identify the wires later in the installation.

STEP 4 Place masking tape on the fender over the desired mounting location. Using a marker, mark the tape at the three mounting holes in the mount. Hold the Curved Plate assembly in place over the marked holes to ensure there will be clearance when the assembly is attached to the fender in the chosen location. PIC 2

STEP 5 Decide if you would like the License Plate frame mounted with the lights on top of or below the license plate. If mounting with the lights on top, measure approximately 1-1/2" up from the top hole and mark this location. If you are mounting with the lights below, measure approximately 1-1/2" to the outside of either bottom hole (PIC 2) and mark this location.

CAUTION! **MEASURE TWICE – DRILL ONCE.** Double check all reference marks made on the fender and all clearances **BEFORE** drilling. Kuryakyn will not be responsible for incidental or consequential damages resulting from this installation.

CAUTION! To prevent the tire from being punctured, place something (small piece of wood) between the tire and fender.

STEP 6 Using a 1/4" drill bit, carefully drill the fourth hole. Enlarge this hole to 3/8". For universal installation, carefully drill out all four holes. Enlarge the wire harness (fourth) hole to 3/8". PIC 2 Remove the tape from the fender.

STEP 7 Install one of the supplied rubber grommets into the existing or drilled forth hole. Route the wire harness from the plate light through the rubber grommet in the fender. Install your new back plate assembly and rubber gasket using the supplied 1/4" socket head screws, flat washers, nylock nuts. Make sure the gasket is between fender and back plate. PIC 3

NOTE: Some modification may be required on some motorcycle license plates for correct fitment/alignment. If the plate feels loose in the frame, disassemble and use the included foam tape behind the plate to help tighten it up in the frame.

ATTENTION! Kuryakyn WILL NOT issue a warranty on any electrical component that fails due to pinched, crimped, broken, abraded, melted or frayed wires.

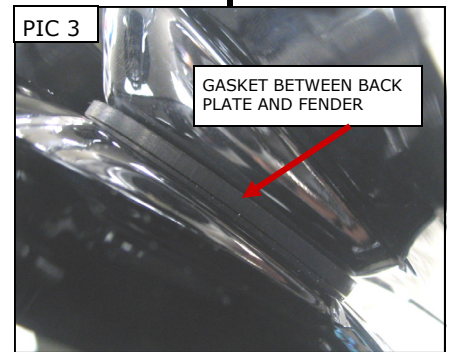
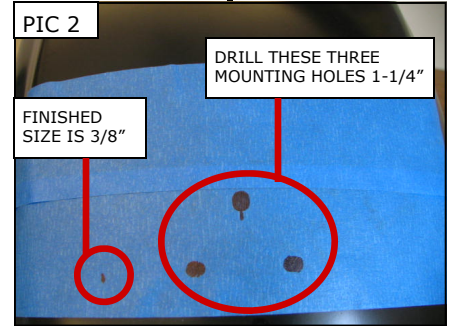
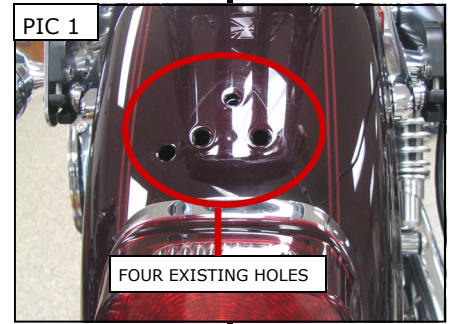
STEP 8 Gently mold your license plate to the same bend as the back plate. Install the license plate frame over your plate. Getting all four supplied fasteners started first before tightening will work better than tightening up one at a time.

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

STEP 9 For '99 and later HD's: Remove taillight lamp assembly/lens and save screws for re-install.

STEP 10 For '99 and later HD's: Feed license plate light wiring harness from the inside of the fender through the taillight mount hole. Use the included cable ties to secure any excess wire away from the rear tire or pinch points.

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WIRING FOR '99 AND LATER HD's— RUN-TURN OR RUN-BRAKE

STEP 1 Disconnect the battery. Put one female T-Tap connector on the **BLUE** wire that is in the taillight plug. PIC 4 Place one on either **BLACK** wire. PIC 4. Place one on each **PURPLE** wire for Run-Turn or one on the **RED** with **YELLOW** stripe for Run-Brake. PIC 4

STEP 2 Cut the connectors off the license plate light wires. Strip about 1/2" of the insulation from the wires and install one of the supplied male spade connectors to each **WHITE** wire, if wiring for **Run-Turn**. If wiring for **Run-Brake**, twist the exposed ends of the two **WHITE** wires together and install a male spade to them. Twist the exposed ends of the three **BLACK** wires together and install one of the male spades to them. Twist the exposed ends of the three **RED** wires together and install one of the male spades to them.

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

STEP 3 Plug the male spade connector on the **RED** wires from the license plate frame into the female T-Tap on the **BLUE** wire. Plug the male spade on the **BLACK** wires into the female T-Tap on the **BLACK** wire. PIC 4

STEP 4 If you are wiring for **Run-Turn**, plug the male spade marked in Step 4 from the right side LED into the female T-Tap on the right turn **PURPLE** wire. Plug the marked left **WHITE** wire into the female T-Tap on the left turn **PURPLE** wire. PIC 4

STEP 5 If you are wiring for **Run-Brake**, plug the male spade on the **WHITE** wires into the female T-Tap on the **RED** wire with the **YELLOW** stripe in the taillight plug. PIC 4

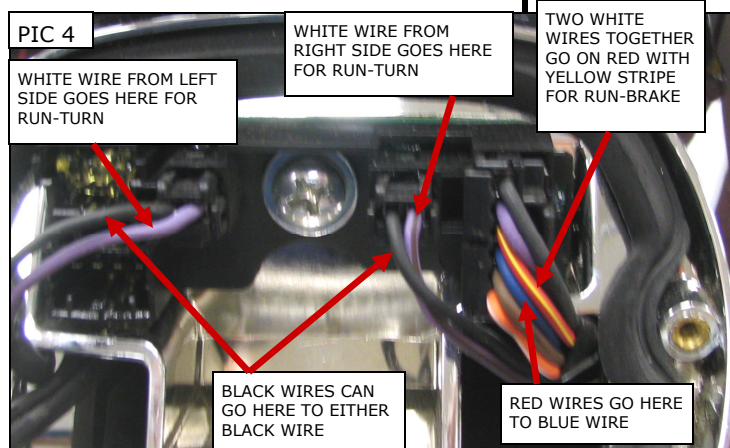
ATTENTION! Secure all wiring away from any moving parts, pinch points or extreme heat. Küryakyn **WILL NOT** issue a warranty on any electrical component that fails due to pinched, crimped, broken, abraded, melted or frayed wires.

STEP 6 Re-install taillight by plugging in taillight wiring harness into taillight base assembly and secure lens re-using the two Phillips head screws removed earlier.

STEP 7 Connect the battery. Check that all lights function properly.

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

ATTENTION! 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 issue a warranty on components lost due to improper installation. Periodic maintenance may be required.



WIRING FOR '99 AND LATER HD's WITH A RUN-TURN-BRAKE CONTROLLER

STEP 1 Locate the red, black, and white wires from the License Plate Frame. The **RED** wires will be your power wires, the **BLACK** wires are the ground wires, and the **WHITE** wires will not be used.

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

STEP 2 Disconnect the battery. Install one of the supplied female T-Taps over the **PURPLE** signal wires that are plugged into the light base located in the taillight housing. Install one of the supplied female T-Taps over one of the **BLACK** ground wires that are plugged into the light base. Install one of the supplied female T-Taps over the **BLUE** wire that is plugged into the light base.

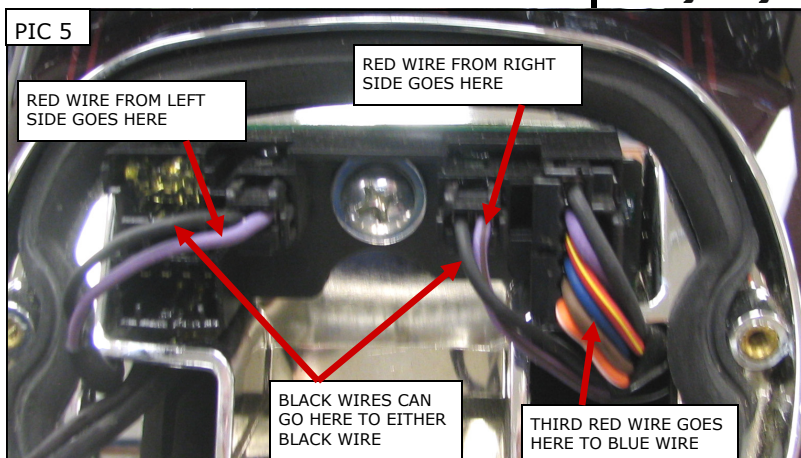
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STEP 3

Cut the connectors off the license plate light wires. Strip about 1/2" of the insulation from the wires and install one of the supplied male spade connectors to each **RED** wire. The two **WHITE** wires **WILL NOT BE USED**. Twist the exposed ends of the three **BLACK** wires together and install one of the male spades to them.

STEP 4

Plug the male spade on the three **BLACK** wires to the female T-Tap on the **BLACK** wire. Plug the **RED** wire from the License Plate Red LED that is marked, from Step 4, RIGHT into the right turn **PURPLE** wire. Plug the **RED** LED wire marked, from Step 4, LEFT into the left turn **PURPLE** wire. Plug the unmarked **RED** wire into the female T-Tap on the **BLUE** wire. PIC 5 The **WHITE** wires will not be used in this application.


STEP 5

Connect the battery. Turn the key on and check for proper functions. Tuck all the wires up and install the taillight lens.

ATTENTION! Secure all wiring 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.

ATTENTION! IF YOU ARE WIRING THIS LIGHTED LICENSE PLATE TO A BIKE THAT IS EQUIPPED WITH A PANACEA TAILLIGHT, YOU WILL NEED TO REFER TO THOSE INSTALLATION INSTRUCTIONS FOR SPECIFIC WIRING PROCEDURES!

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

ATTENTION! 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 issue a warranty on components lost due to improper installation. Periodic maintenance may be required.

WIRING FOR '98 AND EARLIER HD's, HONDA VTX's AND UNIVERSAL APPLICATIONS USING EITHER RUN-TURN OR RUN-BRAKE

STEP 1

Locate the wire harness that goes to the rear turn signals and taillight.

STEP 2

Using a test light, or the wiring schematic for your motorcycle, locate the left and right turn signal wires, the brake light wire, the running (tail) light wire and a good ground wire. Mark these for reference. Turn the bike "off" and disconnect the battery.

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

STEP 3

Install a female T-Tap to each of these wires.

STEP 4

Locate the wire harnesses from the License Plate Frame. Strip about 1/2" of the insulation from the wires and install one of the supplied male spade connectors to each **WHITE** wires, if wiring for **Run-Turn**. If wiring for **Run-Brake**, twist the exposed ends of the two **WHITE** wires together and install a male spade to them. Twist the exposed ends of the three **BLACK** wires together and install one of the male spades to them. Twist the exposed ends of the three **RED** wires together and install one of the male spades to them.

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

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- STEP 5** Plug the male spade on the **RED** wires into the female T-Tap on the Running (tail) light wire. Plug the male spade on the **BLACK** wires into the female T-Tap on the Ground wire.
- STEP 6** If wiring for Run-Brake, plug the male spade on the **WHITE** wires into the female T-Tap on the Brake light wire.
- STEP 7** If wiring for Run-Turn, plug the white wire marked from the right Red LED to the female T-Tap on the right turn signal wire. Plug the **WHITE** wire marked from the left RED LED to the female T-Tap on the left turn signal wire.
- STEP 8** Connect the battery, turn the key "on" and test the lights.

ATTENTION! Secure all wiring 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.

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

WIRING FOR '98 AND EARLIER HD's HONDA VTX's AND UNIVERSAL APPLICATIONS with a RUN-TURN-BRAKE CONTROLLER

- STEP 1** Locate the wire harness that goes to the rear turn signals and taillight.
- STEP 2** Using a test light, or the wiring schematic for your motorcycle, locate the left and right turn signal wires, the running (tail) light wire and a good ground wire. Mark these for reference. Turn the bike "off" and disconnect the battery.

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

- STEP 3** Install a female T-Tap to each of these wires.

- STEP 4** Locate the wire harnesses from the License Plate Frame and cut off the connectors. Strip about 1/2" of the insulation from the wires and install one of the supplied male spade connectors to each **RED** wire. The two **WHITE** wires **WILL NOT BE USED**. Twist the exposed ends of the three **BLACK** wires together and install one of the male spades to them.

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

- STEP 5** Plug the male spade on the three **BLACK** wires to the female T-Tap on the ground wire. Plug the **RED** wire from the License Plate Red LED that is marked RIGHT into female t-Tap on the right turn wire. Plug the **RED** LED wire marked LEFT into the female T-Tap on the left turn wire. Plug the unmarked **RED** wire into the female T-Tap on the Running (tail) light wire. **The WHITE wires will not be used in this application.**

- STEP 6** Connect the battery, turn the key "on" and test the lights.

ATTENTION! Secure all wiring 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.

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

Ride On!