



## TOMBSTONE TAILLIGHT

## 4992

FITS '99-'03 ROAD STAR, '99-UP V STAR 1100 CLASSIC, AND '98-UP V STAR 650 CLASSIC, '03-UP VULCAN 1600 CLASSIC AND CUSTOM APPLICATIONS

PART #	INCLUDED
	1 Tombstone taillight bar
404991	1 Light bar gasket, Kawasaki
404992	1 Light bar gasket, Yamaha
	1 L.E.D. housing
	1 L.E.D. board
	1 L.E.D. cover
404992B	1 Chrome license plate bracket
	3 0.280 x 1-1/4" X .060 Fender washer
	3 1/4"-20 x 1-1/4" Ribbed neck bolt
	2 8-32 x 1/2" PHPS
	2 1/4"-20 x 5/8" SHCS
	3 1/4"-20 Nylock nut
	1 Taillight lens
	1 L.E.D. board assembly
	1 Lens housing
	1 Taillight housing
404990G	1 Flat gasket
	3 8-32 x 9/16" PHPS
	2 1/4"-20 Nylon insert
	1 1/4"-20 x 5/8" Ribbed neck DSHB
	1 1/4"-20 x 1-3/8" Ribbed neck DSHB
904991	1 Wire Tap and Splice Kit, including:
	5 T-Tap Female Quick Slide Scotch Lock connector
	5 Male Scotch Lock Connector
	3 4" Cable tie
	1 Dielectric grease
	1 Installation Instructions

Please read and understand entire instructions before starting installation.

### THANK YOU FOR CHOOSING KURYAKYN!

**WARNING!** SHOCK HAZARD! DISCONNECT THE BATTERY BEFORE WORKING WITH ANY ELECTRICAL CONNECTIONS.

**ATTENTION!** This kit contains components to fit multiple manufacturers' models; be sure to use the correct components for specific installations. The rubber mounting pad that is pre-mounted to the Tombstone Taillight is designed for Yamaha applications. We suggest replacing the rubber mounting pad with the additional pad supplied in the kit for installation on a Kawasaki Vulcan 1600 Classic.

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

### 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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## TOOLS SUGGESTED

Metric sockets, metric Allen wrenches, standard Allen wrenches, 7/16" socket or combination wrench, pliers, wire stripper/crimper, dead blow hammer (for Kawasaki only).

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## PROCEDURE FOR KAWASAKI MODELS ONLY

**ATTENTION!** The press fit forward mounting bolts on the taillight backing plate must be removed and re-positioned for Kawasaki applications. 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.

**STEP 1** Remove the nuts and washers from the bolts; remove the backing plate from the taillight assembly. See [PIC.1](#). Save the hardware.

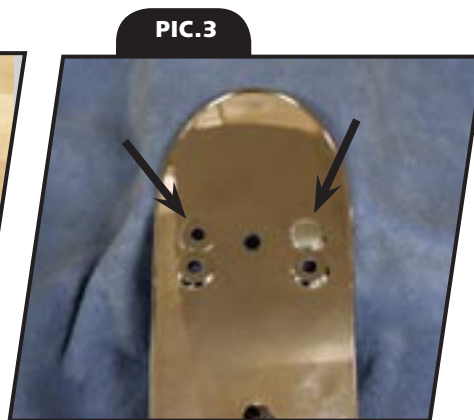
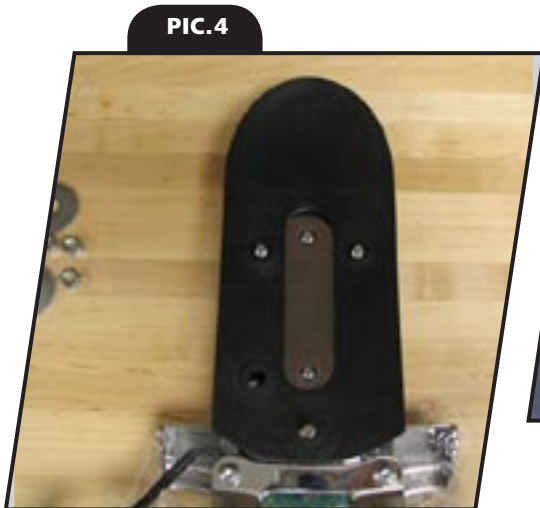
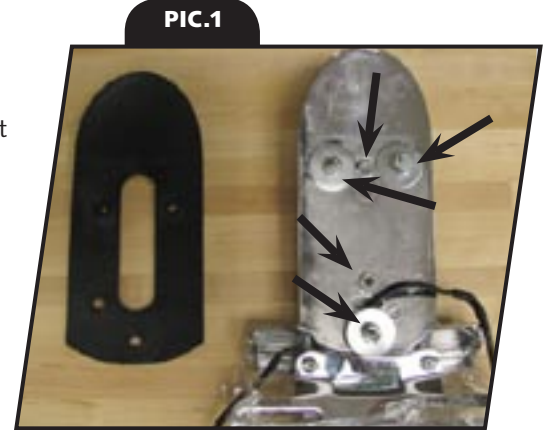
**STEP 2** The two top press fit bolts must be removed from the backing plate. Place the top 1/3 of the backing plate, with the bolts heads facing down, over a wood block covered with a soft cloth.

**STEP 3** Thread the nuts onto the two top bolts until the nut is even with the end of the bolt shaft. See [PIC.2](#). Using a soft-faced dead blow hammer, tap out the two top bolts.

**STEP 4** Remove the nuts from the loose bolts and turn the backing plate over. Place the top 1/3 of the backing plate back on the covered wood block and insert the threaded shaft of the bolts into the upper holes. See [PIC.3](#). Using the dead blow hammer, tap the bolt heads squarely to seat the bolts into the backing plate.

**STEP 5** Install the backing plate onto the taillight and tighten the two fasteners to secure. Install the rubber gasket over the three mounting bolts in the backing plate. See [PIC.4](#).

**STEP 6** Continue the taillight installation as outlined in the appropriate sections below.



## PROCEDURE FOR KAWASAKI AND ALL OTHER MODELS

### REMOVE STOCK TAILLIGHT

**STEP 1** The stock taillight assembly is held in place with nuts located under the fender. Loosen the nuts and remove the taillight assembly. Disconnect the wiring harness.

**STEP 2** Remove the license plate bracket.

**STEP 3** The stock turn signal light bar is held in place with bolts located under the fender. Loosen the bolts and remove the turn signal light bar. Disconnect the wiring harness.

PAGE

2

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**TOMBSTONE TAILLIGHT**

**INSTALLATION**

**STEP 4** Feed the wires for the new Tombstone Taillight through the rubber gasket then through the fender.

**STEP 5** Mount the new taillight assembly to the fender using the existing holes. Fasten the taillight using a supplied fender washer and 1/4-20 Nylock nut for each bolt.

## WIRING THE TAILLIGHT AND LICENSE PLATE ILLUMINATOR

**ATTENTION!** These instructions are applicable to multiple manufacturers' models; be sure to verify the correct wiring connections using a factory service manual for your specific model.

**STEP 6** Route the taillight and license plate illuminator wires under the fender and seat, following the wiring from the stock taillight.

**STEP 7** Connect the ground wire (black) on the new taillight assembly to the ground wire on the bike using the supplied Scotch Lock connectors.

Connect the run function wire (red) on the new taillight assembly to the run function wire on the bike using the supplied Scotch Lock connectors.

Connect the brake function wire (white) on the new taillight assembly to the brake function wire on the bike using the supplied Scotch Lock connectors.

**STEP 8** Connect the license plate illuminator power wire (red) to the run function wire on the bike using the supplied Scotch Lock connectors.

Connect the license plate illuminator ground wire (black) to the ground wire on the bike using the supplied Scotch Lock connectors. See [PIC.5](#) for proper use of the Scotch Lock connectors.

## WIRING THE L.E.D. TURN SIGNAL (P/N 2366 OR 2367)

**ATTENTION!** These instructions are applicable to multiple manufacturers' models; be sure to verify the correct wiring connections using a factory service manual for your specific model.

**CAUTION!** LED CIRCUIT BOARDS ARE POLARITY SENSITIVE! USE A TEST LIGHT TO CHECK THE POLARITY OF THE BIKE'S WIRING BEFORE CONNECTING THE LED CIRCUIT BOARD. KÜRYAKYN IS NOT RESPONSIBLE FOR DAMAGE TO THE LED CIRCUIT BOARD CAUSED BY REVERSED POLARITY.

**CAUTION!** USE A TEST LIGHT TO VERIFY WIRE FUNCTIONS BEFORE CONNECTING THE LED CIRCUIT BOARD TO NON-STOCK WIRING. KÜRYAKYN IS NOT RESPONSIBLE FOR DAMAGE TO THE LED CIRCUIT BOARD CAUSED BY NON-STOCK WIRING.

**STEP 9** Connect the right turn signal ground wire (black) to the bike right turn signal ground wire using the supplied Scotch Lock connectors. Connect the right turn signal power wire (brown) to the bike right turn signal wire using the supplied Scotch Lock connectors.

**STEP 10** Connect the left turn signal ground wire (black) to the bike left turn signal ground wire using the supplied Scotch Lock connectors. Connect the left turn signal power wire (violet) to the bike left turn signal wire using the supplied Scotch Lock connectors.

**STEP 11** Reconnect the battery. Start the bike and test for proper function. If the turn signals flash rapidly, or exhibit any other abnormal operation, you will need to install the load equalizer included with the kit.

PIC.5



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## INSTALL THE LOAD EQUALIZER

Remove the seat. Locate the wiring harness from the rear fender. Connect the black wire from the load equalizer to the right turn signal ground wire in the wiring harness. Connect one violet wire from the load equalizer to the right turn signal power wire in the wiring harness and one violet wire from the load equalizer to the left turn signal power wire in the wiring harness.

**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!

**STEP 12** Use the supplied 4" cable ties to secure the wires away from moving parts.

## WIRING THE HALOGEN TURN SIGNAL (P/N 2336 OR 2337)

**ATTENTION!** These instructions are applicable to multiple manufacturers' models; be sure to verify the correct wiring connections using a factory service manual for your specific model.

**STEP 13** The halogen turn signals use a chassis ground; you must ground the taillight housing in order for the turn signals to operate. Create a ground strap by crimping one end of a 5" length of 16 gauge ground wire (not included) with a 1/4" ring terminal connector (not included), crimp the other end with a supplied Scotch Lock connector (male)

**STEP 14** Connect the ring terminal to one of the top two nuts that secure the taillight assembly to the fender. Connect the Scotch Lock connector from the ground strap to a Scotch Lock connector (female) crimped to the existing ground wire on the bike.

**STEP 15** Connect the right turn signal power wire (black) to the right turn signal power wire on the bike.

**STEP 16** Connect the left turn signal power wire (black) to the left turn signal wire on the bike.

**STEP 17** Reconnect the battery. Start the bike and test for proper function.

**STEP 18** Use the supplied 4" cable ties to secure the wires away from moving parts.

*Ride On!*