



TURN SIGNAL MIRRORS

1431

PARTS INCLUDED

- 1 Left Side Turn Signal Mirror Assembly with Flat Glass
- 1 Right Side Turn Signal Mirror Assembly with Flat Glass
- 1 Hardware Kit, Including:
 - 2 5/16"-18 X 1-1/2" Socket Head Cap Screws
 - 2 5/16"-18 X 2" Socket Head Cap Screws
 - 1 2.5mm Hex Key Wrench
 - 2 5/16" Split Lock Washers
 - 2 5/16" Internal Tooth Lock Washers
 - 2 Double End Threaded Studs
- 1 Load Equalizer with Three Scotch Lock 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

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

ALL INSTALLATIONS

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: The included 2.5mm Hex Wrench is used only in P/N 1428, 1430, 1437 & 1438 to adjust the swivel ball tension.

NOTE: Mirror adapters (sold separately) are required for installation on metric cruisers.

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.

NOTICE

The Turn Signal Mirrors are intended to be used as supplemental lighting only. Any other use may be in violation of Federal, State or local regulations.

NOTICE

Avoid damage to the motorcycle. Protect painted surfaces with a soft cloth or blanket.

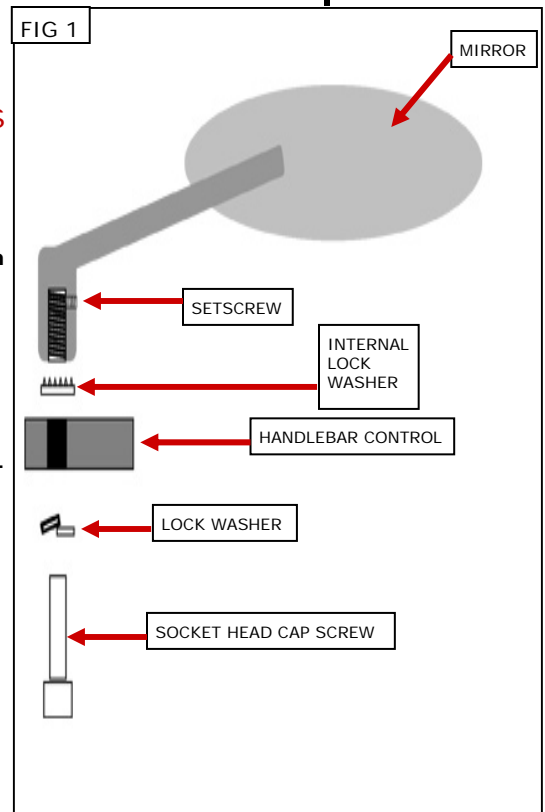
NOTICE

Ensure that the position of the mirror and stem DO NOT interfere with the operation of the motorcycle hand controls.

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

FIG 1



STEP 2 Remove the stock mirrors from controls; set them aside, they will not be re-used.

MOUNTING WITH SINGLE SCREW

STEP 3 Determine which of the included socket head cap screws from the hardware kit will provide maximum thread engagement in the mirror stem without bottoming out.

STEP 4 Place a split lock washer over the socket head cap screw and insert it in the hole in the hand control. FIG 1

STEP 5 Place an internal lock washer over the protruding end of the cap screw.

STEP 6 While holding the mirror in place, thread the socket head cap screw into the bottom of the mirror stem.

NOTE: Ensure that the setscrew in the mirror stem does not prevent the socket head cap screw from being installed fully. FIG 1

STEP 7 Adjust the position of the mirror stem for visibility and clearance; tighten the socket head cap screw and then the setscrew.

STEP 8 Adjust the mirrors for proper view before riding the motorcycle.

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STEP 9 Repeat STEP 3 through STEP 7 for the opposite side.

H-D with Bottom Mounted Turn Signals—Right Side Procedure



Removing the retainer nut and/or the ball stud clamp in the next Step will release the turn signals from the hand controls. Secure the turn signals to prevent damage or injury.

STEP 10 Loosen and remove the retainer nut and ball stud clamp shown in FIG 2

STEP 11 Remove the stock mirror; hold the stock turn signal to prevent it from being damaged.

STEP 12 Screw a double ended stud into the new mirror stem; tighten and then tighten the set screw. FIG 2

NOTE: Ensure that the setscrew in the mirror stem does not prevent the double ended stud from being installed fully. FIG 2

STEP 13 Place an internal lock washer over the long end of one of the double-ended studs; insert the assembly into the mirror stem hole in the hand control. FIG 2

STEP 14 Place a split lock washer over the protruding end of the double-ended stud and thread the retainer nut onto the stud. FIG 2

STEP 15 Adjust the position of the mirror stem for visibility and clearance; tighten the retaining nut.

STEP 16 Install the ball stud clamp onto the retainer nut; adjust the turn signal and tighten the clamp.

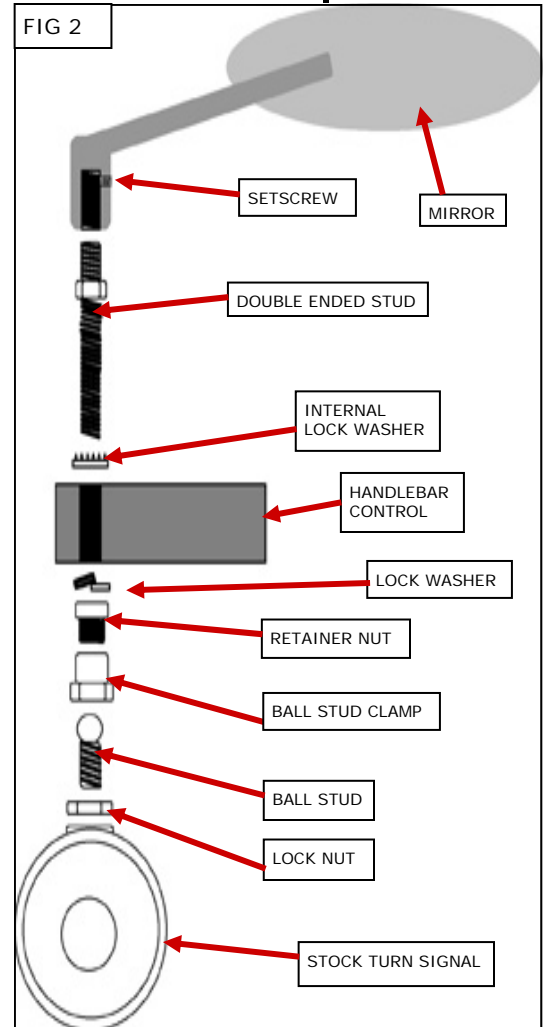
STEP 17 Repeat STEP 3 through STEP 7 for the LEFT SIDE.

STEP 18 Adjust the mirrors for proper view before riding the motorcycle.

WIRING THE MIRRORS

STEP 19 Identify the stock turn signal wiring harness; refer to your factory service manual to locate the harness.

STEP 20 Turn the key "ON" and using a test light or the wiring diagram for your bike, determine a "keyed" 12 volt power wire (one that has power when the key is on and loses power when the key is off), left and right turn signal 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.



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CAUTION Avoid potential electrical shock! Be sure to disconnect the battery before starting this procedure.

STEP 21 Attach the **RED** wire from each Mirror to the “**keyed**” power wire located in Step 19. Attach the **WHITE** wire from each Mirror to the correct **turn signal** (left to left—right to right) power wire located in Step 19. Connect the **BLACK** wires from each Mirror to the **GROUND** wire located in Step 19. FIG 3 Carefully insulate your splices and secure the wiring away from any pinch points or excessive heat.

NOTICE 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 22 Reconnect the battery, start the bike and test all lights. If the turn signals flash erratically, install the included load equalizer as directed in the following Steps.

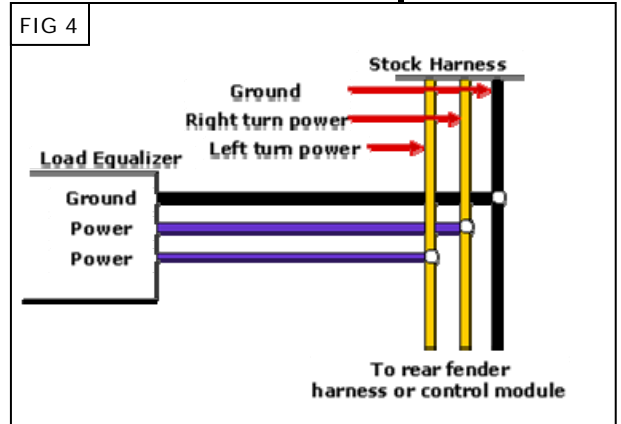
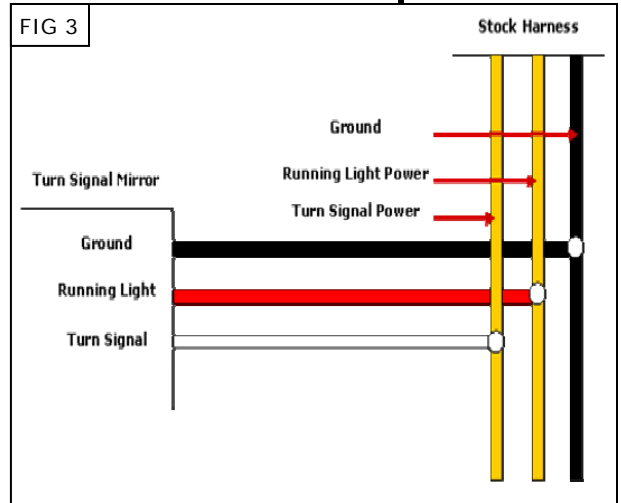
WARNING ENSURE PROPER LIGHT OPERATION BEFORE RIDING THE MOTORCYCLE. VISIBILITY IS A MAJOR CONCERN FOR MOTORCYCLISTS. A LIGHTING MALFUNCTION COULD RESULT IN DEATH OR SERIOUS INJURY.

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 may 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 over heat. 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 23 If the bike **IS NOT** equipped with a Küryakyn controller of any sort, locate the left and right turn signal power wires and a ground wire on the bike’s wiring harness using a test light or wiring schematic for your model, typically easiest access is beneath the seat or behind a side cover. Disconnect the battery, cut off the 3-pin connector of the load equalizer. Using the included Scotch Locks, connect one **VIOLET** wire from the load equalizer to the **RIGHT** turn power wire and the other **VIOLET** wire from the load equalizer to the **LEFT** turn power wire. Connect the black wire from the load equalizer to the **GROUND** wire. FIG 4

If the bike **IS** equipped with a Küryakyn Panacea Taillight System or Küryakyn Run-Turn-Brake Controller, simply plug the load equalizer into an unused 3-pin connector on the module. If there aren’t any unused 3-pin connectors on the module, cut off the connector of the load equalizer and using the included Scotch Locks, splice the wires to the like-colored wires on the load equalizer already in place.



STEP 24 Load equalizers generate heat when in use; secure the load equalizer away from any heat sensitive components. We recommend securing the load equalizer to the bike frame as this will act as a heat sink, helping to cool the load equalizer.

NOTICE Do not secure the load equalizer to the control module! Excess heat from the load equalizer could damage the control module.

STEP 25 Reconnect the battery, start the bike and test all 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.

STEP 26 Replace the seat and/or side cover 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.

ADJUST SWIVEL BALL TENSION

STEP 27 Remove the mirror head from the stem using an open end wrench on the flat on the end of the ball stud to loosen the stud from the stem. PIC 1 Remove the two fasteners from the back of the mirror cover, set aside, they will be reused. PIC 2 Pull the back cover towards the stem, separating the front from the back. PIC 3 Turn the mirror head counterclockwise to remove it from the stem.

NOTE: The back of the mirror with the LEDs and wire attached will be loose from the stem. Do not let it fall and damage the housing or bike.

NOTE: Make sure the hex wrench is fully seated in the bolt before you try to move the two bolts. Improper fitting wrenches will strip the head on these bolts!

STEP 28 Turn the tension screws inside the mirror head to increase or decrease the tension on the ball joint. Turn the screws clockwise to increase tension; turn the screws counter-clockwise to decrease tension. Place a drop of light lube (WD-40) on ball. PIC 4

STEP 29 Replace the front of the mirror by installing the threaded end of the ball stud through the back of the mirror housing and threading it clockwise to the stem. Replace the two fasteners removed in STEP 27 that secure the front to the back of the mirror head. Tighten all fasteners.

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