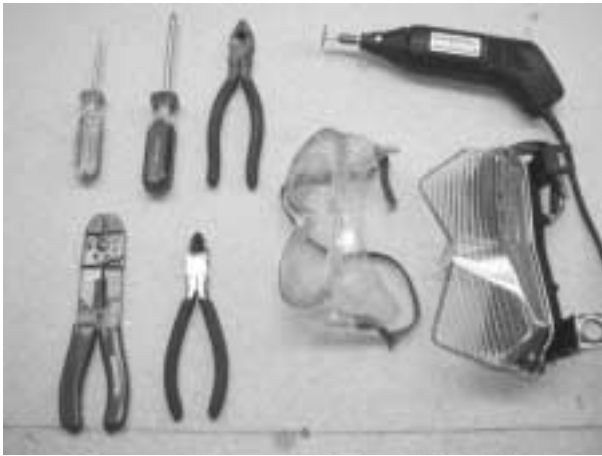


# CUSTOM LED '03-'04 ZX-6R/RR & '03-'06 Z1000 INTEGRATED TAIL KIT INSTALLATION INSTRUCTIONS

## GETTING READY

### ITEMS YOU WILL NEED

- 1) DREMOL WITH CUTTING WHEEL OR EQUIVALENT
- 2) PLIERS
- 3) WIRE SNIPS
- 4) FLAT HEAD SCREWDRIVER
- 5) PHILLIPS HEAD SCREWDRIVER
- 6) EYE PROTECTION
- 7) STOCK LED TAIL LIGHT REMOVED FROM BIKE.
- 8) SOLDERING IRON (OPTIONAL)
- 9) GLUE GUN
- 10) CRAZY GLUE (OR EQUIVALENT)
- 11) LATEX GLOVES



**BEFORE PROCEEDING  
PLEASE READ THESE  
INSTRUCTIONS  
THOROUGHLY. IF YOU  
FEEL YOU ARE UNABLE OR  
UNWILLING TO PERFORM  
THIS INSTALLATION  
PLEASE CONTACT McCOY  
MOTORSPORTS AT 606-432-  
1556 FOR YOUR FREE  
INSTALLATION!**

## GETTING STARTED

- 1) POSITION YOUR CUTTING WHEEL AT THE GLUE SEAM BETWEEN THE CLEAR LENS AND THE BLACK PLASTIC HOUSING.
- 2) PROCEED TO CUT INTO THE CLEAR LENS APPROXIMATELY HALF OF THE THICKNESS, ALL THE WAY AROUND THE PERIMETER OF THE LENS – **BE SURE NOT TO CUT ALL THE WAY THROUGH BECAUSE IT WILL NOT GLUE BACK TOGETHER PROPERLY.**

SEE "TIPS FOR CUTTING YOUR LENS" BEFORE BEGINNING.

### TIPS FOR CUTTING YOUR LENS

- A) KEEP THE CUTTING WHEEL MOVING AND APPLY LIGHT PRESSURE. SITTING IN ONE SPOT WILL JUST MELT THE PLASTIC.
- B) TRY TO STAY TIGHT AGAINST THE INSIDE EDGE WHERE THE CLEAR LENS AND THE BLACK BACKING MEET.

WHEN YOU MAKE YOUR WAY AROUND THE ENTIRE PERIMETER, CLEAN ALL THE BURRED PLASTIC FROM AROUND THE EDGES AND FROM INSIDE THE GROOVE YOU'VE MADE.

### OPENING THE LENS

- 3) PLACE THE TIP OF A FLAT HEAD SCREWDRIVER IN THE GROOVE YOU HAVE CREATED.
- 4) GENTLY TWIST THE SCREWDRIVER TO CRACK THE GLUE ALONG THE GROOVE.

NOTE: AS SOON AS YOU HEAR THE SOUND OF THE GLUE GIVING (A CRACK), MOVE THE SCREWDRIVER SLIGHTLY AND ADVANCE THE CRACK. SLOW AND STEADY IS THE NAME OF THE GAME HERE. IF YOU FIND A HARD SPOT, WEAKEN IT WITH THE CUTTING WHEEL AS NECESSARY.

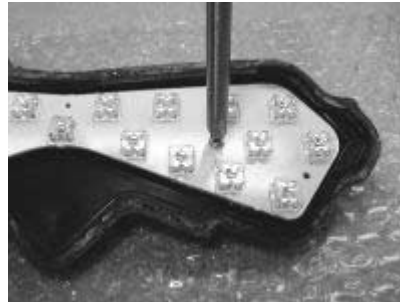




5) NOW THAT YOU HAVE THE LENS OPEN, IT IS NECESSARY TO REMOVE THE RED LENS THAT IS ATTACHED TO THE INSIDE OF THE CLEAR LENS.

YOU CAN REMOVE THE LENS BY REPEATEDLY STRIKING THE SAME SPOT WITH A METAL OBJECT (SMALL HAMMER OR PLIERS) UNTIL THE LENS CRACKS - THEN YOU CAN PRY THE LENS OUT.

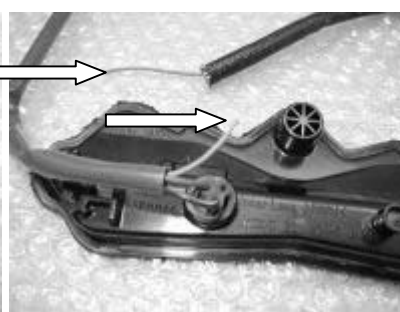
NOTE: THIS OPERATION REQUIRES A BIT OF FORCE. IT IS RECOMMENDED TO PLACE A TOWEL UNDER THE LENS BEFORE STARTING SO THAT YOU DON'T SCRATCH IT WHILE WRESTLING WITH IT. ALSO **BE VERY CAREFUL, THE LENS FRAGMENTS ARE EXTREMELY SHARP.**



6) REMOVE THE PHILLIPS SCREWS HOLDING THE STOCK LED BOARD TO THE HOUSING.

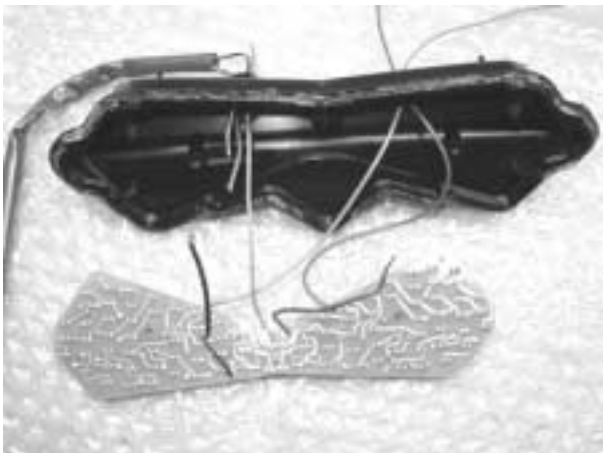
7) SNIP OFF THE THREE (3) WIRES CONNECTED TO THE STOCK LED BOARD AS SHOWN. BE SURE TO SNIP THE WIRES AS CLOSE TO THE CIRCUIT BOARD AS POSSIBLE.

YOU WILL NO LONGER NEED THE STOCK LED BOARD, DISPOSE OF IT AS YOU WISH.



8) REMOVE THE SMALL PLASTIC TUBE AND FELT COVER IN THE LOCATION SHOWN ON THE BACK OF THE HOUSING.

9) SNIP OFF THE BLUE WIRE FROM THE HARNESS, WHERE IT CONNECTS TO THE SLEEVE. THEN PULL THE BLUE WIRE THROUGH THE RUBBER GROMMET, AND DISCARD THE SLEEVE.



10) LAY THE CUSTOM LED BOARD DOWN AS SHOWN AND SNAKE THE BROWN AND GREEN WIRES THROUGH THE OPENING (SEE STEP 8 ABOVE).

11) SNAKE THE BLUE WIRE FROM THE CUSTOM LED BOARD, THROUGH THE EMPTY HOLE IN THE RUBBER GROMMET (SEE STEP 9 ABOVE)

## WIRING UP YOUR CUSTOM LED BOARD



MATCH THE WIRE COLORS AS FOLLOWS:

- RED ON HARNESS TO RED ON CUSTOM LED BOARD
- BLUE ON HARNESS TO BLUE ON CUSTOM LED BOARD
- BLACK/YELLOW STRIPE ON HARNESS TO BLACK ON CUSTOM LED BOARD.

USE THE THREE (3 OF 5) SUPPLIED ORANGE SPLICE CONNECTORS AS THEY ARE WATERPROOF. PUSH THE TWO WIRES TO BE SPLICED TOGETHER INTO THE OPEN END. **BE SURE TO PUSH THE WIRES ALL THE WAY IN (UNTIL YOU CAN SEE THEY HAVE REACHED THE OTHER SIDE).**

**NOTE: THE SPLICE IS MORE RELIABLE IF THE WIRE IS NOT STRIPPED. BE SURE TO SNIP OFF THE BARE ENDS OF THE WIRES TO BE SPLICED TO ENSURE THAT THERE IS INSULATION WHERE THE SPLICE WILL OCCUR.**

THE SUPPLIED SPLICE CONNECTORS AUTOMATICALLY DISPLACE THE INSULATION AS NECESSARY.

ONCE YOU DOUBLE CHECK YOUR COLOR MATCHING AND ARE ABSOLUTELY SURE THAT THE WIRES ARE FULLY INSERTED INTO THE SPLICE CONNECTORS DO THE FOLLOWING:

12) SQUEEZE THE SPLICE CONNECTORS FIRMLY WITH PLIERS. VISUALLY INSPECT YOUR CONNECTIONS TO SEE THAT THEY HAVE BEEN SPLICED PROPERLY INSIDE.

13) ONCE YOUR CONNECTIONS ARE MADE, CAREFULLY TUCK THE WIRES INSIDE THE HOUSING AND MOUNT THE CUSTOM LED BOARD TO THE HOUSING USING THE SAME TWO SCREWS THAT HELD THE STOCK BOARD IN.

**NOTE: IT IS EXTREMELY IMPORTANT TO MAKE SURE THAT YOU DO NOT PINCH ANY OF THE WIRES UNDERNEATH THE CIRCUIT BOARD. MAKE SURE THE WIRES ARE FREE AND NOT PRESSED UP TIGHT AGAINST ANY OF THE SHARP SOLDER POINTS AS THIS WILL CAUSE PROBLEMS IN THE FUTURE. DO NOT OVER-TIGHTEN THE SCREWS.**

## RESEALING YOUR LENS

CONGRATULATIONS! YOU'RE ONE STEP AWAY FROM FULFILLING YOUR WILDEST DREAMS – OK, MAYBE NOT, BUT YOU'RE ALMOST DONE WITH YOUR CUSTOM LED ZX6R/RR & Z1000TAIL!

IT IS SUGGESTED AT THIS POINT THAT YOU PLUG IN THE CUSTOM LED TAIL LIGHT TO VERIFY THAT THE WIRING IS DONE CORRECTLY BEFORE RESEALING THE LENS. THE RUNNING LIGHT AND BRAKE LIGHT SHOULD WORK PROPERLY.

14) RESEAL YOUR LENS USING CRAZY GLUE OR GLUE OF YOUR CHOICE. BE SURE TO ALLOW PROPER TIME TO SET BEFORE DOING ANY MORE WORK TO THE LENS.

**NOTE: CLEAN THE INSIDE OF THE CLEAR LENS AND ALL THE LEDs THOROUGHLY BEFORE GLUING IT SHUT. RUBBING ALCOHOL IS EXCELLENT FOR THIS PURPOSE. FINGER PRINTS AND GREASE WILL BECOME OPAQUE WITH CRAZY GLUE VAPORS WHICH WILL HINDER THE PERFORMANCE OF YOUR TAIL AND MAY VOID YOUR WARRANTY ENTIRELY!**

15) AFTER YOU HAVE ALLOWED TIME FOR THE GLUE TO SET, IT IS RECOMMENDED THAT YOU RUN A BEAD OF HOT GLUE OR OTHER SEALANT AROUND THE LENS WHERE YOU HAVE MADE THE CUT. YOU MAY ALSO PLACE A GLOB IN THE HOLE THAT THE BLINKER WIRES ARE RUN THROUGH. THIS IS NOT ABSOLUTELY NECESSARY, BUT IT WILL MAKE A WATERTIGHT HOUSING.

## WIRING THE BLINKERS

16) AFTER ALLOWING THE GLUE ON THE LENS TO SET, MOUNT THE TAIL UNIT BACK ON THE MOTORCYCLE.



17) LOCATE THE BLINKER WIRES ON THE MOTORCYCLE. IF YOU HAVE NOT REMOVED THE STOCK BLINKERS YET, YOU CAN SIMPLY FOLLOW THE WIRES. OTHERWISE THEY HAVE A GREY AND A BLACK PLUG AS SHOWN IN THE PICTURE.

YOU HAVE TWO (2) OPTIONS FOR WIRING YOUR CUSTOM LED BLINKER WIRES.

A) MAINTAIN THE STOCK PLUG IN TYPE CONNECTION BY CUTTING THE WIRES OFF OF THE STOCK BLINKERS AND USING THE SUPPLIED ORANGE SPLICE CONNECTORS TO SPLICE ON THE FACTORY PLUG TO THE CUSTOM LED WIRES (RECOMMENDED).

**-OR-**

B) USE THE NON DESTRUCTIVE RED TAP CONNECTORS TO SPLICE INTO THE WIRING ON THE MOTORCYCLE.

18) WHICHEVER ROUTE YOU DECIDE TO GO, YOU WILL NEED TO CONNECT THE 16" BROWN AND GREEN WIRES FROM THE CUSTOM LED TAIL AS FOLLOWS:

- GREY PLUG GREEN/BROWN STRIPE BLINKER WIRE ON BIKE TO 16" GREEN WIRE FROM CUSTOM LED TAIL.
- BLACK PLUG GREEN/BROWN STRIPE BLINKER WIRE ON BIKE TO 16" BROWN WIRE FROM CUSTOM LED TAIL.

NOTES:

- A) BOTH THE LEFT SIDE AND RIGHT SIDE BLINKERS HAVE THE SAME GREEN/BROWN STRIPE WIRE, YOU MUST DIFFERENTIATE BETWEEN THE LEFT AND RIGHT BLINKER WIRES BY THE COLOR OF THE PLUG – GREY AND BLACK.
- B) IF YOU DECIDE TO REUSE THE STOCK CONNECTOR BY CUTTING THE WIRES OFF OF THE STOCK BLINKERS, YOU WILL HAVE AN EXTRA WIRE ON EACH SIDE WHICH IS NOT TO BE CONNECTED TO ANYTHING – THIS IS AN UNNECESSARY GROUND WIRE (YELLOW). WE SUGGEST YOU TAPE IT OFF NEATLY.

19) NEATLY ZIP TIE OR TAPE THE WIRES TOGETHER FOR A TROUBLE FREE INSTALL!

**ENJOY!!**

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### TROUBLESHOOTING

YOU MAY FIND THAT YOUR BLINKERS BLINK FASTER NOW THAT YOU HAVE REMOVED THE STOCK TURN SIGNALS IN THE REAR OF THE BIKE. THIS IS THE DESIGNED RESPONSE OF THE FLASHER RELAY – AND IT IS OK TO LEAVE IT THIS WAY. IF YOU WISH TO SLOW YOUR BLINK RATE, YOU MUST REPLACE YOUR FLASHER RELAY OR ADD LOAD TO THE SYSTEM. THE CUSTOM LED ELECTRONIC LED FLASHER RELAY OR LOAD EQUALIZERS ARE THE PERFECT SOLUTION FOR THIS! SEE [HTTP://WWW.CUSTOMLED.COM](http://www.customled.com) FOR MORE INFORMATION.

IF YOU HAVE REPLACED THE FRONT TURNS SIGNALS WITH LEDS ALSO, YOU MAY FIND THAT YOUR BLINKERS DON'T BLINK AT ALL - YOU MUST REPLACE YOUR FLASHER RELAY OR ADD LOAD TO THE SYSTEM TO FIX THIS PROBLEM. AGAIN, THE CUSTOM LED ELECTRONIC LED FLASHER RELAY OR LOAD EQUALIZERS ARE PERFECT FOR THIS. VISIT [HTTP://WWW.CUSTOMLED.COM](http://www.customled.com).

IF YOUR TAIL LIGHT IS NOT FUNCTIONING PROPERLY, CHECK YOUR CONNECTIONS CAREFULLY! THE CUSTOM LED INTEGRATED TAIL LIGHTS ARE TESTED "GOING INTO THE BOX." YOU CAN SAVE YOURSELF A LOT OF AGGRAVATION BY SIMPLY DOUBLE AND TRIPLE CHECKING YOUR WIRING. IN THE EVENT THAT YOU MAY HAVE A FAULTY UNIT, PLEASE CONTACT YOUR VENDOR FOR ASSISTANCE OR E-MAIL [SUPPORT@CUSTOMLED.COM](mailto:SUPPORT@CUSTOMLED.COM).

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### DISCLAIMER

BY SELLING YOU THIS PRODUCT, WE MAKE NO GUARANTEE THAT THE USE OF THIS PRODUCT CAN OR WILL HELP REDUCE THE CHANCE OF ACCIDENTS IN ANY WAY, NOR ARE WE LIABLE IN ANY WAY.

FURTHERMORE, IT IS YOUR RESPONSIBILITY TO FOLLOW THE LAWS OF YOUR LOCAL JURISDICTIONS AS FAR AS D.O.T. REQUIREMENTS FOR MARKER LIGHT AND BLINKER LIGHT SHAPE, COLOR AND INTENSITY.

THESE UNITS ARE SOLD "FOR OFF-ROAD USE ONLY."