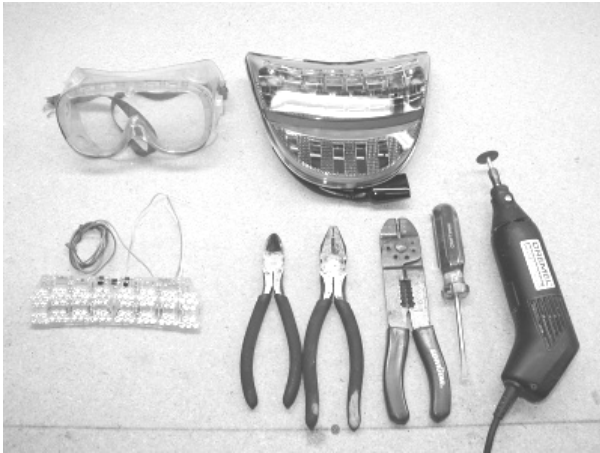


CUSTOM LED 2002 - 2003 954RR INTEGRATED TAIL KIT

INSTALLATION INSTRUCTIONS

NOTE: YOU MAY DOWNLOAD FULL SIZED INSTRUCTIONS AT [HTTP://WWW.CUSTOMLED.COM](http://www.customled.com) ON THE RESPECTIVE PRODUCT PAGE.



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) GLUE GUN
- 9) CRAZY GLUE (OR EQUIVALENT)
- 10) 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.

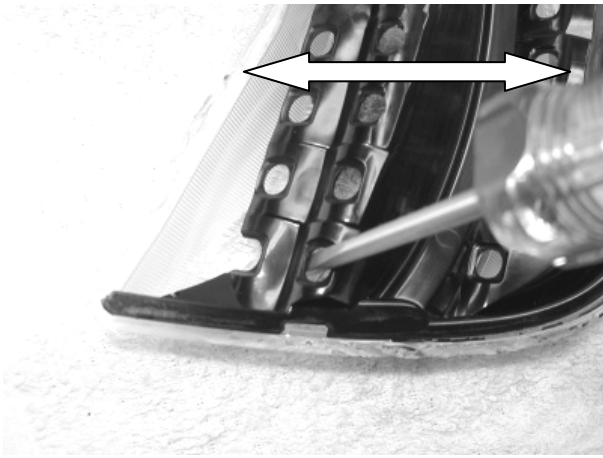
WHEN YOU MAKE YOUR WAY AROUND THE ENTIRE PERIMETER, CLEAN ALL THE BURRED PLASTIC FROM AROUND THE EDGES AND FROM INSIDE THE GROOVE YOU'VE MADE.



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.

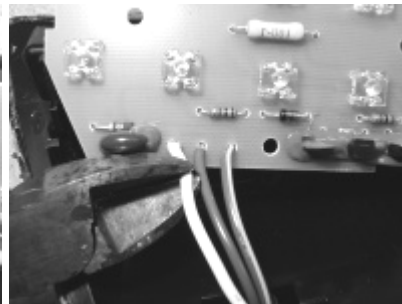


NOW THAT YOU HAVE THE LENS OPEN, IT IS NECESSARY TO REMOVE THE BLACK SHROUD THAT IS ATTACHED TO THE LENS.

5) INSERT A SCREWDRIVER AS SHOWN IN THE PICTURE THROUGH THE HOLE NEAR THE EDGE OF THE LENS.

6) PRY THE BLACK SHROUD OFF OF THE LENS IN THE DIRECTION SHOWN.

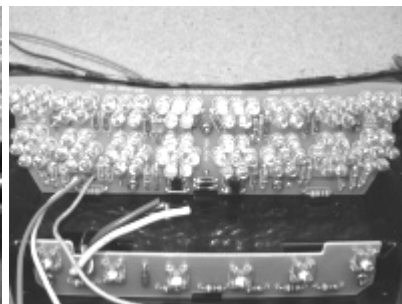
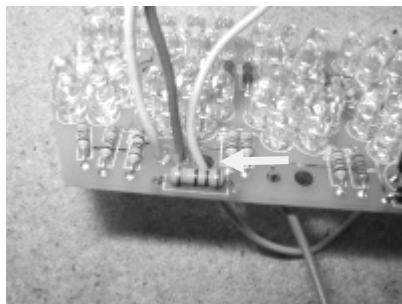
NOTE: THIS OPERATION REQUIRES A BIT OF FORCE. IT IS RECOMMENDED TO PLACE A TOWEL UNDER THE LENS BEFORE STARTING SO THAT YOU DON'T SCRATCH IT WHILE WRESTLING WITH IT.



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

8) 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.



9) DRILL A SMALL HOLE IN THE CENTER OF THE HOUSING AS SHOWN.

10) SNAKE THE YELLOW WIRE THROUGH THE HOLE AS SHOWN IN THE PICTURE.

11) SNAKE THE BLUE AND ORANGE WIRES THROUGH THE HOLE IN THE HOUSING YOU HAVE DRILLED.

12) USING THE ORIGINAL SCREWS HOLDING THE STOCK CIRCUIT BOARD, CAREFULLY MOUNT YOUR CUSTOM LED BOARD ONTO THE HOUSING.

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.

WIRING UP YOUR CUSTOM LED BOARD



MATCH THE WIRE COLORS AS FOLLOWS:

- WHITE (MAY BE YELLOW) ON SMALL STOCK CIRCUIT BOARD TO WHITE ON CUSTOM LED BOARD
- GREEN ON HARNESS TO GREEN ON CUSTOM LED BOARD
- GREEN/YELLOW STRIPE ON HARNESS TO YELLOW ON CUSTOM LED BOARD.

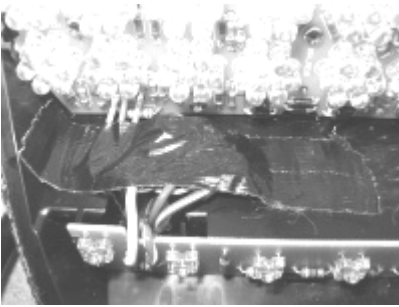
USE THE TWO (2 OF 5) SUPPLIED ORANGE SPLICE CONNECTORS AS THEY ARE WATERPROOF. PUSH THE TWO WIRES TO BE SPLICED TOGETHER INTO THE OPEN END. BE SURE TO PUSH THE WIRES ALL THE WAY IN (UNTIL YOU CAN SEE THEY HAVE REACHED THE OTHER SIDE).

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:

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



14) NEATLY AND CAREFULLY TAPE THE THREE CONNECTIONS TIGHT TO THE HOUSING AS SHOWN, SO THEY DO NOT BLOCK ANY LIGHT FROM THE LEDs. MAKE SURE THIS TAPE WILL LAST AS RE-OPENING THE LENS WILL BE DIFFICULT LATER.

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 954RR TAIL!

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.

15) RE-SEAL YOUR LENS GLUE OF YOUR CHOICE. WE HIGHLY RECOMMEND HOT GLUE AS IT DOES NOT CONTAIN VAPORS THAT PERMINANTLY DISCOLOR THE LEDS OR THE LENS. THE PROPER WAY TO USE HOT GLUE IS TO MOUNT THE LENS ON THE BUCKET AND RUN A BEAD OF HOT GLUE IN THE CUT RIDGE YOU MADE WITH THE DREMOL. MAKE SURE YOU WORK SLOWLY AND ALLOW THE GLUE TO PENETRATE INTO THE RIDGE.

16) ALLOW THE GLUE TO SET BEFORE DOING ANY MORE WORK.

WIRING THE BLINKERS

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



18) 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 AN ORANGE AND A BLUE 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.

19) WHICHEVER ROUTE YOU DECIDE TO GO, YOU WILL NEED TO CONNECT THE 16" ORANGE AND BLUE WIRES FROM THE CUSTOM LED TAIL AS FOLLOWS:

- ORANGE BLINKER WIRE ON BIKE TO 16" ORANGE WIRE FROM CUSTOM LED TAIL.
- BLUE BLINKER WIRE ON BIKE TO 16" BLUE WIRE FROM CUSTOM LED TAIL.

NOTES:

- A) THE WIRE COLORS ON THE MOTORCYCLE MAY NOT BE SOLID (THERE MAY BE A STRIPE, BUT THE WIRE IS PREDOMINANTLY THE DESCRIBED COLOR)
- 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. WE SUGGEST YOU TAPE IT OFF NEATLY.

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

ENJOY!!

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 OEM 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 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 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.

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. IT IS YOUR RESPONSIBILITY TO VERIFY PROPER FUNCTIONALITY OF THIS PRODUCT EVERY TIME YOU START YOUR MOTORCYCLE.

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.

THIS PRODUCT IS SOLD "FOR OFF-ROAD USE ONLY."