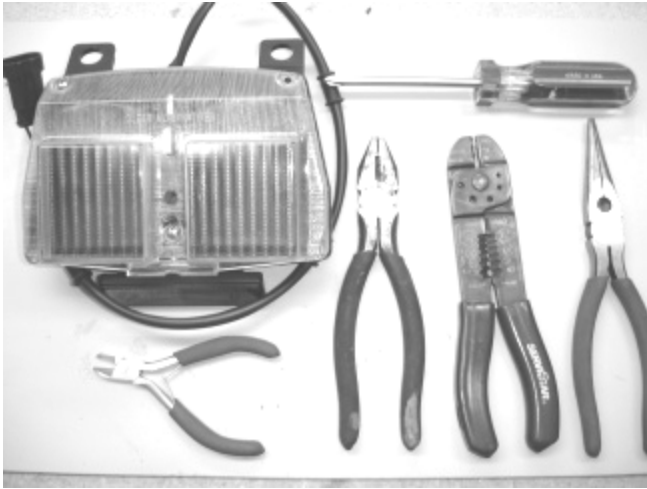


# CUSTOM LED DUCATI 1994-2002 916/995/996/998/748 INTEGRATED TAIL KIT INSTALLATION INSTRUCTIONS

## GETTING READY



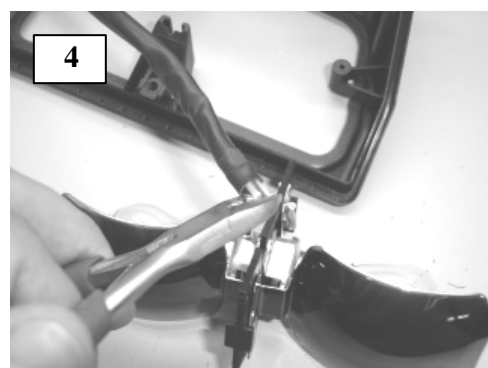
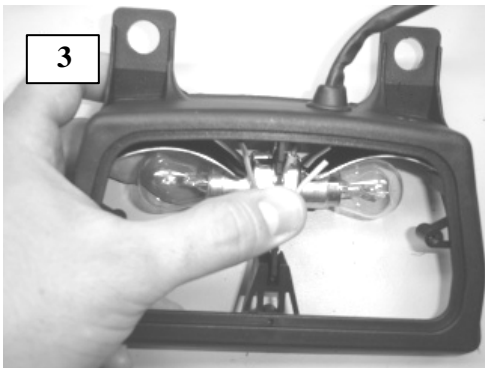
### ITEMS YOU WILL NEED

- 1) PLIERS
- 2) WIRE SNIPS
- 3) PHILLIPS HEAD SCREWDRIVER
- 4) EYE PROTECTION
- 5) STOCK TAIL LIGHT REMOVED FROM BIKE.
- 6) GLUE GUN
- 7) LATEX GLOVES

## GETTING STARTED

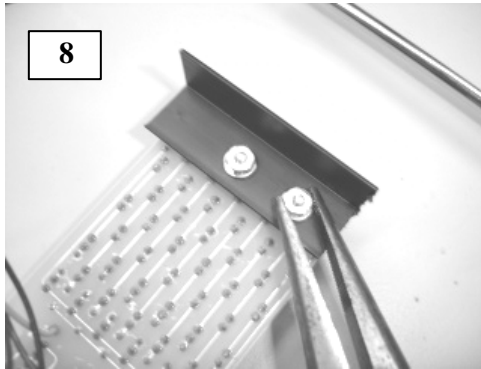
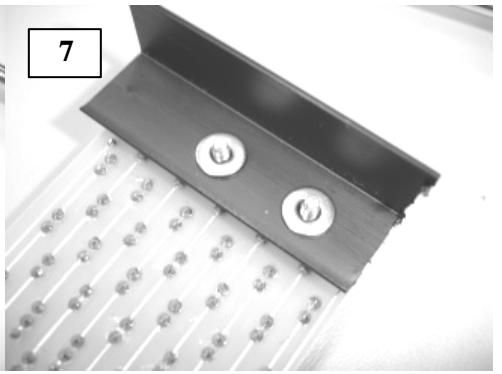
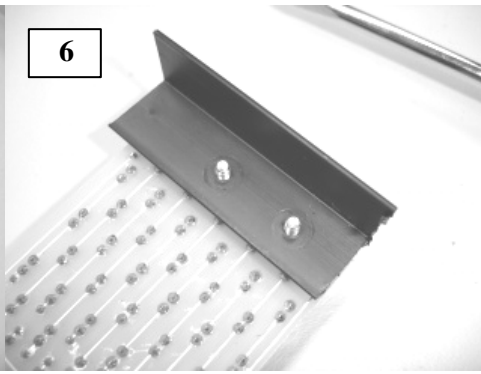
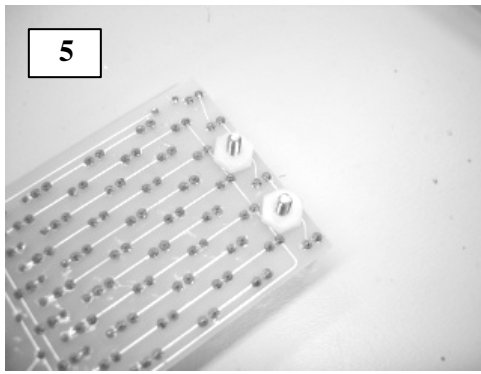
*IT IS HIGHLY RECOMMENDED THAT YOU USE LATEX GLOVES DURING THIS ENTIRE PROCESS. THIS WILL SAVE YOU LOTS OF CLEANING EFFORT LATER.*

- 1) REMOVE THE LENS FROM THE STOCK TAIL LIGHT.
- 2) REMOVE THE BOTTOM COVER FROM THE STOCK TAIL LIGHT



3) REMOVE THE LAMP ASSEMBLY BY PUSHING IT TOWARDS THE LENS SIDE OF THE HOUSING AS SHOWN. THE LAMP ASSEMBLY IS FRICTION-FITTED INTO THE HOUSING AT 4 POINTS. IT MAY BE NECESSARY TO WORK AT THESE POINTS INDIVIDUALLY TO FREE UP THE ASSEMBLY.

4) SNIP OFF THE THREE WIRES THAT CONNECT TO THE LAMP ASSEMBLY. CUT THE WIRES AS CLOSE TO THE LAMP ASSEMBLY AS POSSIBLE.



5) RUN THE PROVIDED 1/2" SCREWS THROUGH FROM THE FRONT SIDE OF THE CUSTOM LED BOARD AND SECURE WITH THE NYLON (PLASTIC) NUTS ON THE BACK SIDE OF THE CUSTOM LED BOARD. GENTLY TIGHTEN THE NYLON NUTS BY HOLDING THEM WITH YOUR FINGERS AND TURNING THE SCREW (**DO NOT OVER TIGHTEN!!!!**).

6) PLACE THE PROVIDED MOUNTING ANGLE OVER THE PROTRUDING SCREWS (AND NYLON NUTS) AS SHOWN.

7) INSTALL THE PROVIDED WASHERS AS SHOWN.

8) INSTALL THE PROVIDED NUTS AND CAREFULLY TIGHTEN WITH PLIERS (**DO NOT OVER TIGHTEN!!!!**).

### WIRING UP YOUR CUSTOM LED BOARD



PLACE YOUR CUSTOM LED INTEGRATED TAIL BOARD NEXT TO THE HOUSING AND MATCH THE WIRE COLORS AS FOLLOWS: ***TRY TO HANDLE THE CIRCUIT BOARD AS LITTLE AS POSSIBLE AS FINGERPRINTS AND DIRT WILL HINDER THE PERFORMANCE.***

- BLACK ON HARNESS TO 6" BLACK ON CUSTOM LED BOARD
- VIOLET WITH RED STRIPE ON HARNESS TO 6" RED ON CUSTOM LED BOARD
- YELLOW ON HARNESS TO 6" YELLOW ON CUSTOM LED BOARD

USE THE THREE (3 OF 5) SUPPLIED ORANGE SPLICE CONNECTORS. 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:**

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



10) RUN 16" THE GREEN AND BROWN WIRES FROM THE CUSTOM LED BOARD THROUGH THE GROMMET IN THE TAIL LIGHT HOUSING AS SHOWN.

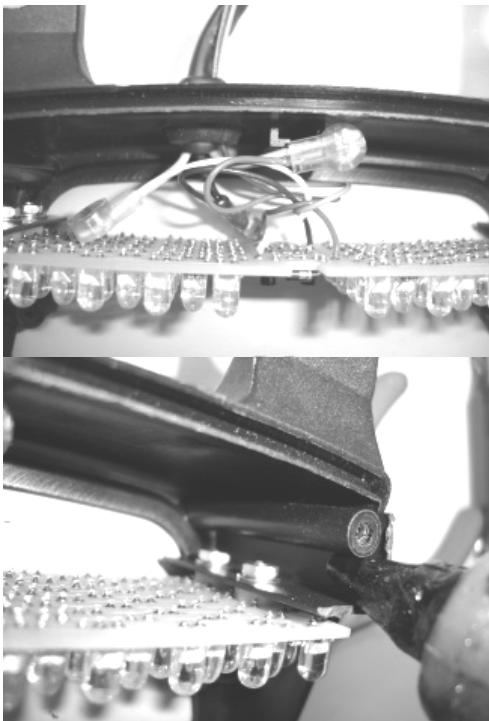
11) POSITION THE CUSTOM LED BOARD OVER THE TOP (LENS SIDE) OF THE HOUSING AND PULL THE WIRE SLACK THROUGH THE GROMMET.



12) POSITION THE ANGLE BRACKETS ON EACH SIDE IN PLACE SUCH THAT THE LEG OF THE ANGLE GOES TO THE SIDE OF THE ROUND SCREW POST OF THE HOUSING AS SHOWN.

13) CAREFULLY SLIDE THE CUSTOM LED BOARD DOWN INTO PLACE BY PUSHING ON THE SIDES OF THE CUSTOM LED BOARD ABOVE THE MOUNTING ANGLES. ONCE THE BOARD BOTTOMS OUT TO THE HOUSING, YOU'RE DONE.

NOTE: IF YOU ARE HAVING FITMENT PROBLEMS, IT MAY BE NECESSARY TO LOOSEN THE NUTS THAT SECURE THE MOUNTING ANGLES TO THE CUSTOM LED BOARD AND RE-ADJUST THEIR POSITION. THERE IS A BUILT-IN TOLERANCE THAT WILL ALLOW FINE ADJUSTMENTS THIS WAY. ADJUST THE MOUNTING ANGLES AS NECESSARY. THE BOARD AND MOUNTING ANGLES NEED ONLY TO FIT SNUGLY AS THEY WILL BE SECURED WITH HOT-GLUE IN THE FOLLOWING STEPS.

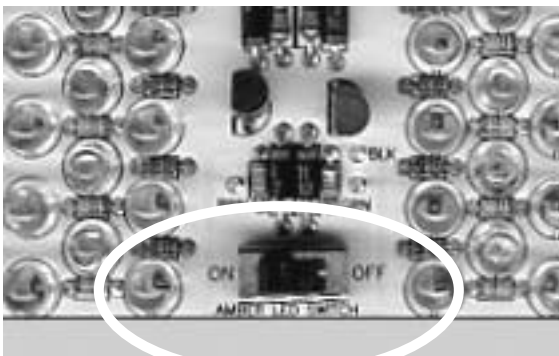


14) REMOVE ANY EXCESS WIRE SLACK BY PULLING ON THE HARNESS ON THE OUTSIDE OF THE HOUSING.

NOTE: CAREFULLY INSPECT THE WIRES BEHIND THE CUSTOM LED BOARD AND MAKE SURE THAT NONE OF THE WIRES ARE PRESSED UP AGAINST THE BACK OF THE CUSTOM LED BOARD. THE SHARP SOLDER POINTS MAY PUNCTURE THE WIRE INSULATION AND CAUSE PROBLEMS IF NOT ADDRESSED.

15) IT IS NECESSARY THAT YOU RUN A BEAD OF HOT-GLUE BETWEEN THE ANGLE BRACKET AND SCREW MOUNTING POST AS SHOWN TO SECURE THE CUSTOM LED BOARD INTO THE TAIL LIGHT HOUSING. ALTHOUGH THE ANGLE BRACKET FRICTION FIT IS QUITE STURDY, CONSTANT VIBRATIONS MAY LOOSEN THE FITMENT AND CAUSE THE TAIL LIGHT TO BECOME INEFFECTIVE OR INOPERATIVE.

### LENS SELECTOR SWITCH CONFIGURATION



16) THE CUSTOM LED DUCATI INTEGRATED LED TAIL LIGHT IS CAPABLE OF PERFORMING ALL THE FUNCTIONS OF RUNNING/BRAKE AND TURN SIGNALS FOR EITHER THE RED TINTED STOCK TAIL LENS, OR FOR AN AFTERMARKET CLEAR LENS. FOR RED TAIL LENSES, THE RUNNING/BRAKE AND TURN FUNCTIONS ARE HANDLED ENTIRELY BY THE RED LEDS AS THE AMBER LEDS WILL NOT SHINE THROUGH THE RED LENS PROPERLY. FOR CLEAR LENSES, THE TURN SIGNAL FUNCTIONS ARE HANDLED BY THE AMBER LEDS.

SET THE AMBER LED SWITCH AS FOLLOWS:

- CLEAR LENS – SET THE AMBER LED SWITCH TO ON
- RED TINTED LENS – SET THE AMBER LED SWITCH TO OFF



17) REASSEMBLE THE TAIL LIGHT HOUSING LENS AND COVER, AND MOUNT IT BACK ON THE MOTORCYCLE.

### WIRING THE BLINKERS

18) LOCATE THE BLINKER WIRES ON THE MOTORCYCLE. IF YOU HAVE NOT REMOVED THE STOCK BLINKERS YET, YOU CAN SIMPLY FOLLOW THE WIRES. **IN MOST CASES THEY ARE; LEFT: WHITE WITH BLACK STRIPE, RIGHT: WHITE WITH GREEN STRIPE.**

**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.

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

- LEFT +12V BLINKER WIRE ON BIKE TO 16" BROWN WIRE FROM CUSTOM LED TAIL.
- RIGHT +12V BLINKER WIRE ON BIKE TO 16" GREEN WIRE FROM CUSTOM LED TAIL.

NOTES:

- A) 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.

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

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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 ADD LOAD TO THE SYSTEM OR REPLACE YOUR FLASHER RELAY. THE CUSTOM LED STAGE II LOAD EQUALIZER (OR EQUIVALENT) WILL ADD LOAD AND RETURN YOUR BLINK RATE TO NORMAL. 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 ADD LOAD TO THE SYSTEM OR REPLACE YOUR FLASHER RELAY TO FIX THIS PROBLEM. AGAIN, THE CUSTOM LED STAGE II LOAD EQUALIZERS ARE PERFECT FOR THIS.

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

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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."**