

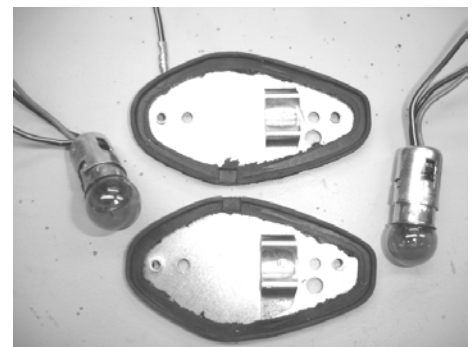
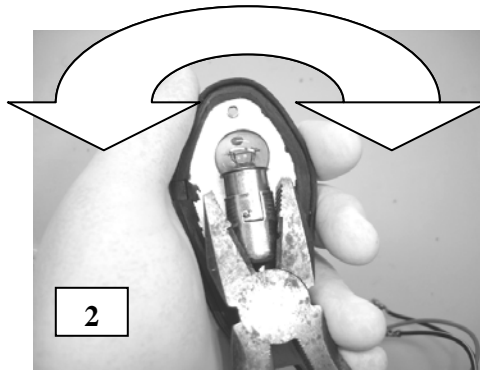
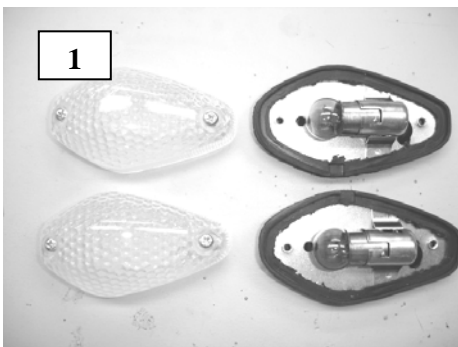
CUSTOM LED FLUSHMOUNT INSERTS

INSTALLATION INSTRUCTIONS

ITEMS YOU WILL NEED

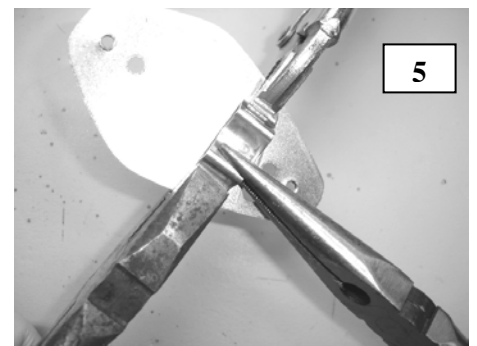
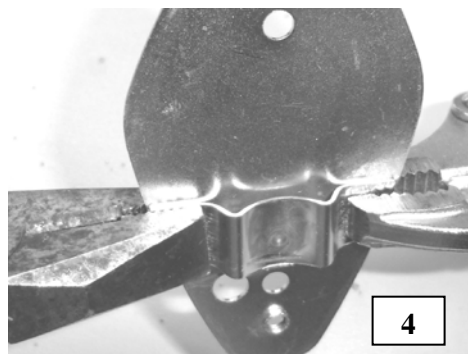
- 1) LOCKHART PHILLIPS FLUSHMOUNT III
- 2) CUSTOM LED FLUSHMOUNT INSERTS
- 3) NEEDLE-NOSE PLIERS
- 4) SMALL VISE-GRIPS
- 5) BLUNT NOSE PLIERS (STANDARD)
- 6) PHILLIPS HEAD SCREWDRIVER
- 7) DREMOL WITH CUTTING WHEEL OR EQUIVALENT.
- 8) HAND DRILL (OR PRESS), 1/16" AND 7/64" DIAMETER DRILL BITS.
- 9) EYE PROTECTION

PLEASE FOLLOW THE FOLLOWING INSTRUCTIONS EXACTLY AS THEY ARE WRITTEN TO ENSURE A QUALITY INSTALLATION AND OPTIMAL PERFORMANCE OF YOUR CUSTOM LED FLUSHMOUNT INSERTS. READ THIS ENTIRE PROCEDURE BEFORE BEGINNING AND MAKE SURE YOU HAVE ALL THE TOOLS NECESSARY FOR THE INSTALL.



1) BEGIN BY REMOVING THE TWO SCREWS THAT FASTEN THE LENSES TO THE BASE OF THE LOCKHART PHILLIPS FLUSHMOUNT III's.

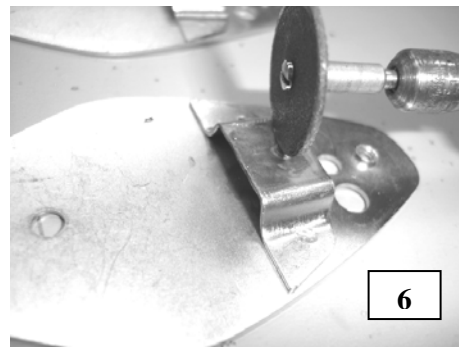
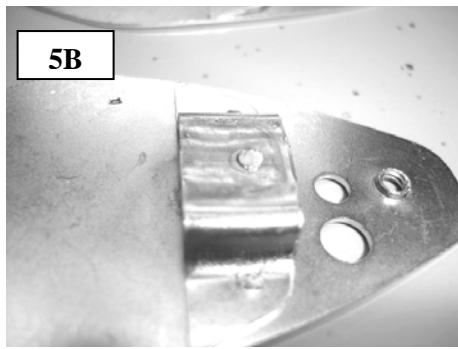
2) GRAB THE BASE OF THE LP FM III AS SHOWN WITH YOU HAND, AND THE LAMP SOCKET WITH A PAIR OF BLUNT NOSE PLIERS. ROTATE THE LAMP SOCKET SIDE TO SIDE AS SHOWN UNTIL THE PLUG WELD FATIGUES AND THE SOCKET IS FREE FROM THE SUPPORT BRACKET BELOW.



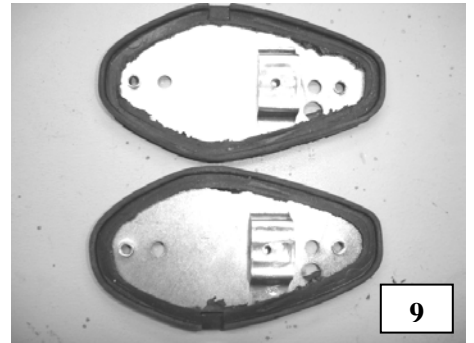
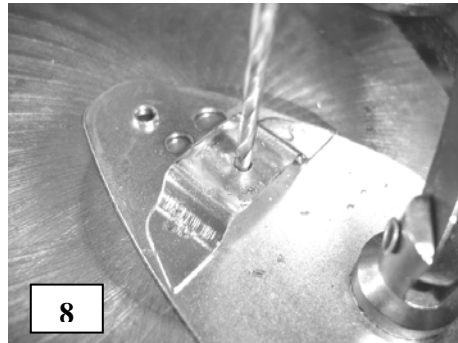
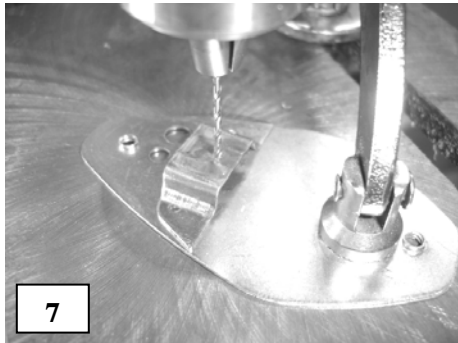
3) REMOVE THE RUBBER GASKET SURROUNDING THE METAL BASE

4) LOCK THE VISE-GRIPS PLIERS ON ONE SIDE OF THE PROTRUDING METAL BRACKET, AND HOLD THE BLUNT NOSE PLIERS TIGHTLY ON THE OTHER (OR ANOTHER PAIR OF VISE-GRIPS). THIS PREVENTS THE BRACKET FROM SEPARATING FROM THE METAL BASE.

5) GRAB THE RAISED PORTION OF THE BRACKET, AT THE CORNER (AS SHOWN), AND TWIST IN SUCH A WAY AS TO RAISE THE CENTER (LOWER PORTION). WORK SLOWLY AND ADVANCE THE NEEDLE NOSE PLIERS FURTHER UNDERNEATH THE BRACKET OCCASIONALLY. BY WORKING EACH CORNER IN THIS WAY, THE METAL BRACKET CAN BE RAISED AS SHOWN IN FIGURE 5B AND BE AS FLAT AS POSSIBLE. BE CAREFUL NOT TO OVERSTRESS THE BRACKET AS IT WILL BREAK OFF OF THE BASE.



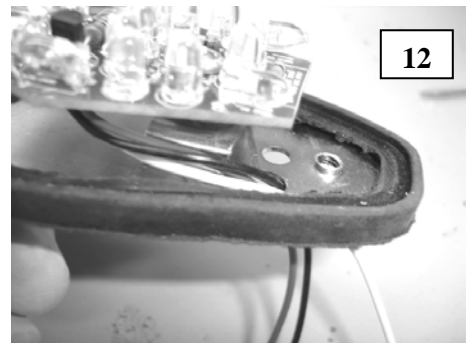
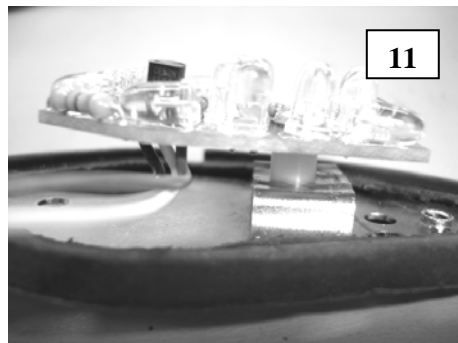
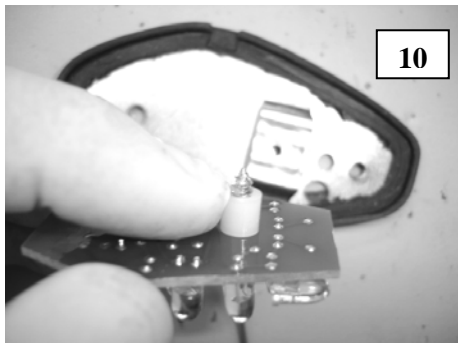
6) IT MAY BE NECESSARY TO GRIND OR SAND DOWN THE EXCESS WELD MATERIAL THAT SUPPORTED THE LAMP SOCKET AS SHOWN IN FIGURE 6. DO SO BY USING A DREMOL OR EQUIVALENT. THE RAISED BRACKET SHOULD BE AS SMOOTH AND FLAT AS POSSIBLE FOR PROPER MOUNTING OF THE CUSTOM LED FLUSHMOUNT INSERTS.



7) DRILL A SMALL 1/16" PILOT HOLE IN THE RAISED METAL BRACKET AS SHOWN. THE HOLE SHOULD BE AS CENTERED AS POSSIBLE SIDE-TO-SIDE, AND SLIGHTLY TOWARDS THE FRONT (FATTER END OF THE LP FM III).

8) FOLLOW THROUGH WITH A 7/64" HOLE IN THE PILOT HOLE YOU CREATED.

9) REINSTALL THE RUBBER GASKETS AROUND THE BASES OF THE LP FM III's.



10) INSERT THE PROVIDED SCREW THROUGH THE MOUNTING HOLE IN THE CUSTOM LED FLUSHMOUNT INSERT. INSTALL THE NYLON SPACER ON THE BOTTOM SIDE OF THE FLUSHMOUNT INSERT AS SHOWN.

11) POSITION THE ASSEMBLY OVER THE HOLE YOU CREATED IN THE MOUNT BRACKET AND TIGHTEN THE MOUNT SCREW. BE SURE THAT THE FLUSHMOUNT INSERT IS PARALLEL TO THE BASE OF THE LP FM III (HORIZONTAL). IF NOT, REMOVE AND RETIGHTEN THE SCREW WHILE ADJUSTING THE POSITION.

12) RUN THE THREE WIRES THROUGH THE HOLE IN THE LP FM III (SIDE HOLE, CENTER HOLES ARE FOR MOUNTING SCREWS).

13) MOUNT THE LP FM III ACCORDING TO LP'S INSTRUCTIONS.

14) REINSTALL THE CLEAR LENS AND CAREFULLY FOLLOW THE WIRING INSTRUCTIONS ON THE FOLLOWING PAGE.

WIRING YOUR FLUSHMOUNT INSERTS

WARNING

**NOTE: INCORRECTLY WIRING YOUR LED BLINKER INSERTS WILL DESTROY THE TRANSISTOR CHIP ON THE BOARD!
PLEASE FOLLOW THESE INSTRUCTIONS CAREFULLY**

PLEASE TAKE THE TIME TO CORRECTLY DISTINGUISH BETWEEN THE THREE WIRES THAT POWER THE CUSTOM LED FLUSHMOUNT INSERTS.

BLACK = COMMON GROUND WIRE.

WHITE = BLINKER LIGHT WIRE (SHOULD GET INTERMITTENT +12V WHEN THE BLINKER IS ON).

RED = MARKER LIGHT WIRE (SHOULD GET CONSTANT +12V WHEN THE IGNITION IS ON).

BE SURE TO CORRECTLY IDENTIFY THE WIRES ON THE MOTORCYCLE AND CONNECT THEM ACCORDINGLY TO THE WIRES FROM YOUR CUSTOM LED FLUSHMOUNT INSERTS. YOU CAN EASILY DO THIS WITH A TEST LIGHT OR VOLT METER. PLEASE FOLLOW THESE INSTRUCTIONS EXACTLY AS THEY ARE WRITTEN, IT WILL SAVE YOU A HEADACHE.

REMOVE YOUR EXISTING BLINKERS AND FIND THE THREE WIRES THAT LEAD TO IT AND THEN:

1) ATTACH ONE TEST LEAD (FROM THE TEST LIGHT OR VOLT METER SET TO MEASURE DC VOLTAGE) TO A METAL OBJECT ON THE BIKE. A BOLT THAT SCREWS INTO THE MOTOR OR FRAME IS THE BEST FOR THIS.

2) TURN THE IGNITION ON (WITH THE BLINKER OFF) AND ATTACH THE FREE LEAD (FROM THE TEST LIGHT OR VOLT METER) TO EACH OF THE THREE WIRES ONE AT A TIME. WHEN YOU GET 12V OR THE TEST LIGHT GOES ON, YOU'VE FOUND YOUR RUNNING LIGHT WIRE. WRITE DOWN THIS INFORMATION - YOU WILL CONNECT THIS WIRE TO THE RED WIRE ON THE LED BLINKER INSERT.

3) TURN THE BLINKER ON AND ATTACH THE FREE LEAD (FROM THE TEST LIGHT OR VOLT METER) TO THE REMAINING TWO WIRES FROM THE MOTORCYCLE ONE AT A TIME. WHEN YOU GET A "BLINKING" 12V OR THE TEST LIGHT BLINKS, YOU'VE FOUND YOUR BLINKER LIGHT WIRE. WRITE DOWN THIS INFORMATION - YOU WILL CONNECT THIS WIRE TO THE WHITE WIRE ON THE LED BLINKER INSERT.

4) YOU WILL CONNECT THE REMAINING WIRE TO THE BLACK WIRE ON THE LED BLINKER INSERT.

5) NOW TURN OFF THE IGNITION AND MAKE YOUR CONNECTIONS. CUSTOM LED RECOMMENDS SOLDERING WITH HEAT-SHRINK COVERING, BUT BUTT CONNECTORS WILL WORK ALSO. THE BETTER JOB YOU DO HERE, THE MORE TROUBLE FREE YOUR INSTALL WILL BE.

ENJOY!

TROUBLESHOOTING

YOU MAY FIND THAT YOUR BLINKERS BLINK FASTER NOW THAT YOU HAVE REMOVED THE STOCK TURN SIGNALS. 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 REAR 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 FLUSHMOUNT INSERTS ARE NOT FUNCTIONING PROPERLY, CHECK YOUR CONNECTIONS CAREFULLY! THE CUSTOM LED FLUSHMOUNT INSERTS 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 [SUPPORT@CUSTOMLED.COM](mailto: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.

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."