

8/3/2011

TOOLS NEEDED:	4MM HEX WRENCH	13MM OPEN END WRENCH	THREADLOCK COMPOUND	DRILL	13/16" DRILL BIT
HARDWARE INCLUDED:	FORK CLAMP ASSEMBLY (2) MINI HALOGEN LIGHT (2) LIGHTING WIRE HARNESS (1)	HEAVY DUTY RELAY (1) ILLUMINATED SWITCH (1) ADHESIVE WIRE CLAMP (2)			

NOTE: THREAD LOCK COMPOUND SHOULD BE USED ON ALL HARDWARE.

PLEASE READ THROUGH AND UNDERSTAND THESE INSTRUCTIONS BEFORE BEGINNING.

THE MINI HALOGEN FORK MOUNTED LIGHT CLAMP KIT IS DESIGNED TO MOUNT TWO BIG BIKE PARTS MINI-HALOGEN LIGHTS TO FORKS WITH A DIAMETER OF 38MM TO 41MM. EACH CLAMP ASSEMBLY COMES WITH TWO RUBBER SHIMS THAT CAN BE PLACED BETWEEN THE CLAMP AND THE FORK TUBE. THE FITMENT CHART BELOW SHOWS THE CONFIGURATIONS THAT CAN BE USED TO FIT EACH FORK SIZE.

FORK SIZE FITMENT CHART	
CONFIGURATION	FORK SIZE
CLAMP ASSEMBLY ONLY, NO SHIMS	41MM
CLAMP ASSEMBLY WITH 0.5MM RUBBER SHIM	40MM
CLAMP ASSEMBLY WITH 1.0MM RUBBER SHIM	39MM
CLAMP ASSEMBLY WITH 0.5MM AND 1.0MM RUBBER SHIMS	38MM

#### INSTALLING THE CLAMP (SEE DIAGRAM 1 AND 2)

1. FIND A LOCATION ON THE FORK TUBES BETWEEN THE UPPER AND LOWER TRIPLE CLAMPS WHERE THE LIGHTS CAN BE SAFELY MOUNTED. THE LOCATION SHOULD ALLOW THE LIGHT TO BE INSTALLED WITHOUT INTERFERING WITH ANY OTHER PARTS ON THE MOTORCYCLE.
2. PLACE THE TWO HALVES OF THE CLAMP ASSEMBLY AROUND THE FORK TUBE. THE SOCKET FOR THE LIGHT STUD SHOULD BE POSITIONED FACING OUTWARDS AND TOWARDS THE FRONT OF THE BIKE (SEE DIAGRAM 2).
3. LOOSELY INSTALL TWO M5-0.8 X 16MM SOCKET HEAD CAP SCREWS WITH THE 4MM HEX WRENCH.
4. IF MOUNTING TO A FORK SMALLER THAN 41MM, SLIDE THE APPROPRIATE RUBBER SHIM OR SHIMS BETWEEN THE CLAMP ASSEMBLY AND THE FORK TUBE. FOR 41MM FORKS, NO SHIMS ARE REQUIRED (SEE FITMENT CHART ABOVE).
5. CHECK THAT THE CLAMP ASSEMBLY IS PROPERLY LOCATED ON THE FORK TUBE AND TIGHTEN THE M5-0.8 X 16MM SOCKET HEAD CAP SCREWS.
6. REPEAT STEPS 1 THROUGH 5 FOR THE OTHER FORK TUBE CLAMP.

#### INSTALLING LIGHTS TO THE CLAMP ASSEMBLY (SEE DIAGRAM 3)

1. INSTALL THE M8-1.25 HEX JAM NUT ONTO THE LIGHT MOUNTING STUD. TURN IT ALL THE WAY TO THE END OF THE STUD THREADS.
2. THREAD THE MOUNTING STUD ON THE LIGHT INTO THE MOUNTING SOCKET ON THE CLAMP ASSEMBLY. TURN THE LIGHT STUD INTO THE SOCKET UNTIL IT IS NEARLY UP TO THE JAM NUT.
3. POSITION THE LIGHT SO THAT IT IS FACING IN THE CORRECT DIRECTION. TIGHTEN THE JAM NUT AGAINST THE END OF THE MOUNTING SOCKET ON THE CLAMP ASSEMBLY WITH THE 13MM OPEN END WRENCH. LOOSEN THE SET SCREWS ON THE LIGHT VISOR AND ROTATE TO THE DESIRED POSITION.
4. REPEAT STEPS 1 THROUGH 3 WITH THE OTHER LIGHT.
5. WITH BOTH LIGHTS INSTALLED, CHECK FOR INTERFERENCE BY TURNING THE HANDLEBARS FULLY TO THE LEFT AND FULLY TO THE RIGHT. THE LIGHTS AND THE CLAMP ASSEMBLIES SHOULD NOT COME IN CONTACT WITH ANY OTHER PARTS OF THE MOTORCYCLE. IF THERE IS CONTACT, REPOSITION THE CLAMP ASSEMBLIES AND REPEAT THE INTERFERENCE CHECK.

#### WIRING THE LIGHTS (SEE DIAGRAM 4)

1. LOCATE YOUR BIKE'S BATTERY, FUSE BLOCK, AND/OR ACCESSORY TERMINALS. REFER TO THE WIRING SCHEMATIC IN DIAGRAM 4.

**NOTE: IF A 13-207 / 52-605 / 52-605L SWITCH BOX HAS BEEN PURCHASED, STEPS C & E CAN BE SKIPPED AND THE RELAY WIRED TO ONE OF THE SWITCH BOX SWITCHES.**

- A. CONNECT THE BULLET CONNECTORS ON BLACK WIRES TO THE BULLET CONNECTORS ON THE LIGHTS
- B. WIRE SMALL GREEN AND RED HARNESS WITH IN-LINE FUSE DIRECTLY TO THE BATTERY: RED (+) POSITIVE, GREEN (-) NEGATIVE.
- C. FIND A CONVENIENT PLACE TO INSTALL THE SWITCH. DRILL A PILOT HOLE FIRST THEN DRILL A 13/16" HOLE.

CONTINUED...

- D. ROUTE WIRE HARNESS AND PLUG THE THREE SPADE CONNECTORS TO THE SWITCH PER DIAGRAM: (GREEN = GROUND, ORANGE = SUPPLY, BLUE = LEAD).
  - E. CONNECT THE RING TERMINAL TO THE BATTERY GROUND AND SPLICE THE T-TAP INTO A KEYED POWER SOURCE AND CONNECT THE MALE SPADE
  - F. CONNECT THE REMAINING FIVE LEADS (2 BLACK, 1 RED, 1 BLUE, AND 1 GREEN) TO THE RELAY AS SHOWN IN THE DIAGRAM.
2. TEST THE LIGHTS FOR PROPER OPERATION. SECURE THE RELAY TO KEEP IT FROM MOVING OR BOUNCING. REINSTALL ALL SIDE COVERS, SEAT, OR OTHER PANELS THAT WERE REMOVED IN THE INSTALLATION PROCESS. MAKE CERTAIN THAT ALL SCREWS ARE SECURE INCLUDING THE MINI HALOGEN VISOR SET SCREWS. THE ADHESIVE WIRE HOLDERS CAN BE USED TO SECURE THE WIRING IN PLACE.
  3. CHECK THE AIM OF THE LIGHTS AND ADJUST AS NECESSARY. THE VERTICAL ALIGNMENT OF THE LIGHTS CAN BE ADJUSTED BY LOOSENING THE JAM NUT AND ROTATING THE LIGHT UP OR DOWN AS NEEDED. RETIGHTEN THE JAM NUT WHEN FINISHED. THE HORIZONTAL ALIGNMENT OF THE LIGHTS CAN BE ADJUSTED BY LOOSENING THE CLAMP ASSEMBLY ON THE FORK TUBE AND ROTATING IT LEFT OR RIGHT. RETIGHTEN THE CLAMP ASSEMBLY TO THE FORK TUBE WHEN ALIGNMENT IS COMPLETED.

