



RENEGADE LIGHTS INSTALLATION GUIDE FOR MOTORCYCLE LED LIGHTS

Tools You Should Have to Do this Job:

Screwdrivers
(Flat and Phillips)
Wire Strippers
Wire Crimpers
Wrenches 10mm, 3/8, and 7/16
Alcohol based cleaner
Heat gun or Blow dryer
Solder gun
Wire Solder
Scissors

Instructions:

1. Make sure your bike is cool and parked on a flat secure surface!
2. Find your battery (you may have to remove your seat or side covers in order to get to your battery)
Disconnect the **NEGATIVE (-) cable**.

***Negative battery cable must be disconnected from the battery in order to avoid safety hazards!
Be sure as you disconnect the Negative cable that it does not touch or make contact with your
Positive terminal***

3. Your new motorcycle LED lights are polarity sensitive--meaning that the RED wires on the LEDs must be hooked to the Positive (+) terminal and the BLACK wires must be hooked to the Ground (-) .

All Red Wires must go to a common power wire and **ALL** Black Wires must go to a common ground. You **cannot** run the LED motorcycle lights in a series nor can you run the wires from one motorcycle LED light to another in a loop type installation.

(All of the wires on the motorcycle LED lights which you install will end up together in one place at your battery.)

4. Pick a hidden flat surface around the front of your seat area to mount the switch. (*You must be able to reach the switch when the seat and/or side covers are back on your bike.*) You will install your switch later using the double-sided tape provided to you.

5. Next, begin choosing the locations where you would like to mount your motorcycle LED lights. Choose areas which will give you the most light coverage overall, but which will allow the motorcycle LED lights itself to be hidden from easy view when you are standing back and looking at the bike.

6. Clean each area where you choose to place a motorcycle LED light with the alcohol based cleaner making sure all dirt and/or oil is removed from that area.

7. On the motorcycle LED light peel off the covering on the double-sided tape and press the fixture **very firmly** onto the area you have chosen.

Repeat this with each motorcycle LED light you are installing. (You will deal with the wiring in the next step)

****If you need to change the position of one of the fixtures--grasp the fixture firmly and then gently twist the fixture back and forth, as you feel it loosen pull it loose and reposition it. Do not use major force to just pull it loose--you may break the fixture. Twist back and forth and you feel it begin to loosen.**

8. Now you will begin to bring all of the wires together in the battery area of your bike. (As you run the wires toward the battery area try to keep them hidden from view once you have replaced your seat/side covers. You can also run them beside other wiring in your bike.)

*Your goal is to not be able to actually see the motorcycle LED lights/wiring when your bike is reassembled and you are standing back a short distance and looking at it.

9. Depending on where you have placed the motorcycle LED lights and the type of bike you are working on, some of the wires may not reach all the way to the battery area. You will need to extend the wires with the extra wire provided to you.

a. measure out a piece of wire the length you will need

b. using the wire strippers cut and peel off the insulation for a distance of about 1 ½ inch from the end of the wires attached to the motorcycle LED lights and from the end of the wire extension. Splice the ends of the wire together--twisting them very firmly together (**Remember--Black to Black and Red to Red!!**)

c. After firmly twisting the black wires to the other black wires, the red wires to the red wires -- you will solder each of the splices to make sure they are secure.

d. Now cut a piece of the heat shrink tubing that is longer than the entire stripped area of the wires. Thread the tubing over the end of the wire and cover the area that has been spliced covering **all** bare wire. Using the heat gun or hair dryer shrink the tubing over the spliced area. (If using a hair dryer this may take a little longer than with a heat gun.)

e. repeat on all wires which need to be lengthened.

10. Run all wiring to the battery area of the bike.

11. Leaving enough wire to strip and connect all ends together -- cut of all extra wire.

12. Connect all red wires coming in from the motorcycle LED lights. Now slide a blue butt connector from your package up on to the connected leads. Crimp the connector on to the wires.

13. Repeat the exact same for the black wires.

14. Now you will begin installing the Fuse Block.

SAFETY POINT: Do Not insert fuse into the fuse block until instructed to in the last step!

15. Cut the long length of Black wire on the fuse block in half. This piece you have cut off will go from the Red wire at the battery area to the switch mounting area.--make sure you have enough free play in this wire. Connect the Black wire from the lead to the bundle of Red wires from the motorcycle LED lights by inserting it into the other end of the blue butt connector. Crimp the connector onto the wire.

16. Next connect the short wire on the fuse block to the Battery Positive + post and then run the other end

to the switch mounting area --keeping free play in this length.

DO NOT INSERT A FUSE INTO THE FUSE BLOCK AT THIS TIME!

17. Connect each of the 2 black wires --1 from the battery and 1 from the red wires -- to the wire leads from the switch. Strip about 1 inch of insulation from the end of the wire. Slide heat shrink tubing over the wire before splicing it to the switch wire. *Make sure all connections are very firmly twisted together for best results.* Solder this splice. Now slide the heat shrink tubing over this splice and shrink with the heat gun or blow dryer.

18. Mount the switch in the area you have chosen by thoroughly cleaning the area with the alcohol based cleaner, then peel the backing off of the double sided tape and pressing very firmly into place.

19. Now crimp the short Black wire from your package to the open end of the blue butt connector attached to the Black wire bundle coming in from the motorcycle LED lights. Connect the other end of this Black wire to the Battery Negative (-) post with the remaining spade connector from your package. Also, reconnect your bike's Negative (-) battery cable at this time.

20. Insert a fuse into the fuse block at this time.

21. Turn on the switch and enjoy your lights!

** **TROUBLESHOOTING:** All of your motorcycle LED lights are tested before they are packed to ship to you. If you have a problem with them lighting it is almost always due to a faulty connection, or by having wires connected backwards. Re-check all of your connections and check that the right wires are connected to the right wires. Usually--it is one of those 2 problems that are easily correctable.