

## **Directions for Installing Angel Eyes -04 & 05 R1**

\*\*\*Please read through **ALL** directions **BEFORE** starting to install the Angel Eyes. If you have any questions feel free to send an e-mail to [lightningfastr1@aol.com](mailto:lightningfastr1@aol.com) or call Steve or Carri at 814-357-8211 (Please no calls after 10:00pm EST).

\*\*\*If you would prefer to have your Angel Eyes installed professionally please contact Steve or Carri at the telephone number above.

\*\*\*ATTENTION: Be extremely careful when moving the prongs of the LEDs so that they do not break. The Angel Eyes have a life time warranty as long as they are installed by a Clegg's Innovations Technician. Other wise they are only guaranteed to work when they come out of the package.

\*\*\*WARNING: If you use the high beams frequently or for long periods of time the Angel Eyes can melt. \*\*\*

### **You will need:**

Soldering iron	Solder
Drill w/ 3/16 & ¼ drill bits	(4) line tap connectors
Wire Strippers	Wire Crimpier
Flat blade Screwdriver	Pliers
Electrical Tape/Heat Shrink tubing	Super Glue
Gloves	Oven (or heat gun)
Baking sheet (Optional)	

1. Disassemble bike to get to the headlight assemblies and remove them from the bike.
2. Pre-heat Oven to 250 degrees.
3. Make sure you have removed all rubber grommets and headlight bulbs from both left and right headlight assemblies.
4. Place one headlight assembly in oven on the backing sheet (or on the wire rack) for 5-7 minutes.

\*If you are unable to use an oven for any reason a heat gun can be used. Just use the heat gun around the seal of the headlight assembly to heat the glue enough to remove the lens.

5. Carefully unclip the tabs around the headlight and pull the lens off of the headlight assembly.
6. Repeat steps 4 & 5 for the second headlight assembly.

7. Drill hole using  $\frac{1}{4}$ in. drill bit as shown for the high beam Angel Eyes in both headlight assemblies.



8. Drill hole using  $\frac{3}{16}$ in. drill bit in the side of the headlight assemblies where the cover for the parking light wires would be. (See picture below)



9. Using super glue, glue the Angel eyes into place as seen below and carefully run the wires through the back of the headlight assembly, make sure the wires from the low beam Angel Eye run under the bolt in the headlight assembly.

\*Please note that the Angel Eye over the high beam is glued into place by a small amount of glue at the bottom and top (where the wires go through the hole) of the Angel Eye ring. If you use too much glue it can drip down on to the reflective surface.



10. Carefully pull wires through the hole behind the high beam. Cut and splice wires to connect the red low beam wire to the red high beam wire and solder them together. Then do the same for the black wires and cover both solder points on each headlight assembly with heat shrink tubing or electrical tape.

11. Feed both wires through the hole you drilled in the side of the headlight assembly as shown.



12. Test the Angel Eyes by touching the wires to the battery of the bike to make sure everything is working correctly. The red wire is the positive and the black wire is the negative.

\*\*If you prefer to have an even stronger hold around the low beam Angel Eye, after you use the super glue to hold the Angel Eyes in place you can use two part epoxy, J & B weld (cold weld) or clear silicone. Just use a small paint brush and apply around the Angel Eye ring and projector where they meet. (Please note that if you use the epoxy, J & B weld or silicone you should let everything sit for approximately 24 hours so that it can set) Please make sure you have tested the Angel Eyes before you use any of these products.

13. Pre-heat oven to 250 degrees.
14. Place the lens on top of the headlight assembly (as they would go back together).
15. Put headlight assembly back in the oven for 5-7 minutes (or use heat gun as before).
16. Remove headlight assembly from oven and crimp along the seal with pliers and make sure all of the tabs clip back together to ensure a good seal.
17. Let headlight assemblies cool.
18. Run the wires for the switch from the battery, using the fuse block on the positive side with the red wire.
19. Put headlight assembly back on the bike.
20. Find a place that you would like to place your switch and mount it.
21. Connect wires to the switch.
22. Reassemble remaining parts of the bike.
23. Send a picture of your finished product to [lightningfastr1@aol.com](mailto:lightningfastr1@aol.com) if you are able to.

Thank you and we hope that you enjoy your Angel Eyes.