

## Spectrum Angel eyes Fitting instructions For Holden VE series 1 Non Genuine Projector Headlights

### Equipment Required

- Super glue, araldite, sikaflex, Loctite go2 glue (dries clear and heat resistant)
- Clear glazing silicone
- Medium phillips headscrew driver
- Small flat head screwdriver
- Oven
- Tape/masking tape
- Gloves (*that will prevent finger prints*)
- 10mm spanner or ratchet
- 2 x inline micro fuse 10amp (*part number SF5120 E01956 from jay car with male bullet connector to suit*)
- Electrical Crimping tool or pliers
- Drill with 10-13mm drill bit



**Disconnect Battery before you begin any work..**

### How to Remove the Headlights

[http://www.youtube.com/watch?feature=player\\_embedded&v=eUrVpuo8BUQ](http://www.youtube.com/watch?feature=player_embedded&v=eUrVpuo8BUQ)

### How Oracle Lighting Split the headlights Open

[http://www.youtube.com/watch?feature=player\\_embedded&v=M5cmsA0Tapo](http://www.youtube.com/watch?feature=player_embedded&v=M5cmsA0Tapo)

### Splitting the Headlights Open

**Step 1:** Once you have the headlights out of the car, preheat oven to 120 degrees the lowest setting on your oven and turn the fan on if you have one. Remove all the globes low beam, high beam, parkers, indicators.

**Step 2:** Remove the 2 screws at the back of the headlights. Drill out the hole at the back of the headlight above the indicator there's a white cap over a semi circle hole drill that out 10-13mm which will make running the wires out easier later on. Shake out all the plastic filings from the drilling

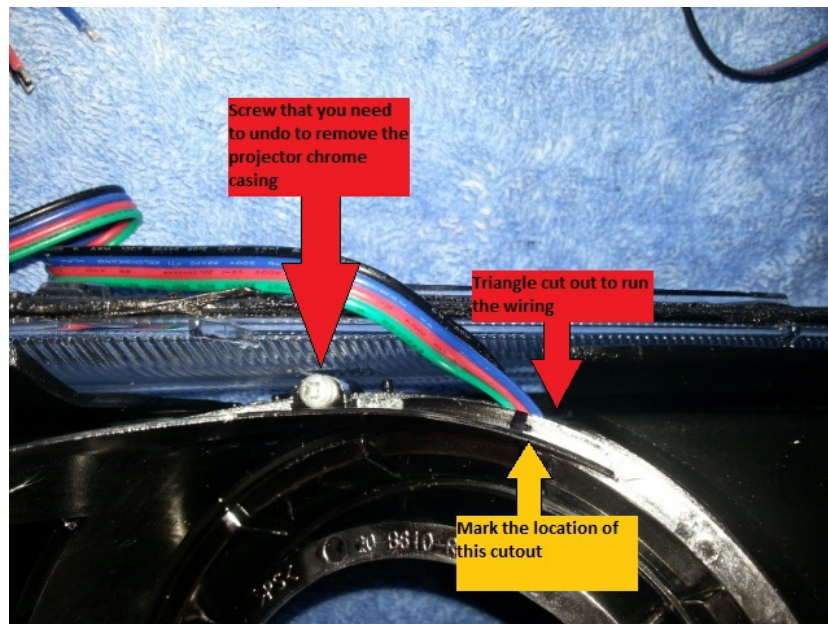


**Step 3:** place headlight in the center of the oven making sure it is not touching any sides of the oven and no wires are dangling down, you may want to sit it on a baking tray. Set timer for 10mins

**Step 4:** pull the headlight out of the oven sit it on something soft a towel etc on your work bench go round and lift up all the black plastic tabs. Pull apart the clear lens from the housing starting from the pointed side lifting the tabs up as you go along(if its no moving reheat for 5mins and try again)  
becareful non of the stringy glue falls into the headlight.

- **Use Gloves from now on** -

**Step 5:** Now the headlight is apart you have the black casing in front of you, the chrome casing for the projector can be removed take note of the triangle cut out at the top near the screw mark the back of this with a pen or something this is where the wiring is going to run through, remove the phillips head screw holding the chrome casing on and lift out of the black casing, get the full circle shaped angel eye remove the red backing to the double sided tape. Align the wiring coming out of it to the mark you made on the back, press the angel eye onto the front of the chrome projector casing firml. Put some dabs of glue on it in some places to make sure it wont come off especially around the wiring area place the chrome casing back into its spot running the wiring through the triangle cut out of the black casing. The Projector Angel eye is now fitted.



**Step 6:** The high beam section uses the “C shaped” angel eye the open end faces the top and sits behind the black casing and the curved bottom of it sits just on top but flush its the back of the black casing, This is the hardest one to glue into place, the best way is to tape it into place ensure its centered in the hole and a even amount of overlap either side sticking out the top. Glue in the top corners then the bottom center. Let it dry and remove the tape.



**Step 7:** run the wiring through the hole you drilled out earlier above the indicator and place the lens back into the headlight casing as much as possible. bunch up the wiring and tape it firmly to the headlight so it doesnt get burnt in the oven. Place the headlight back into the oven making sure its centered again and not touching any walls of the oven for 5mins. Take out press the lens back into place to close up the gaps push the black plastic tabs back over if the gaps havent closed up put back into the oven again until you can get the gap closed up all the way around.



**Step 8:** screw in the 2 screws that go into the back of the headlight. Use your clear glazing silicon to fill up the gap between the headlight housing and the lens all the way around push it into the gap with your finger, seal up where the wires are coming out too then let it dry, rub off the excess silicone. Refit all your globes/hids.

Repeat these steps for the other headlight

### **Wiring Instructions**

*The wiring is completely up to your preference but here is the easiest way we have found so far..*

run the wiring from the passenger side headlight above the radiator along with the other wiring and up into the fuse box or the ABS unit

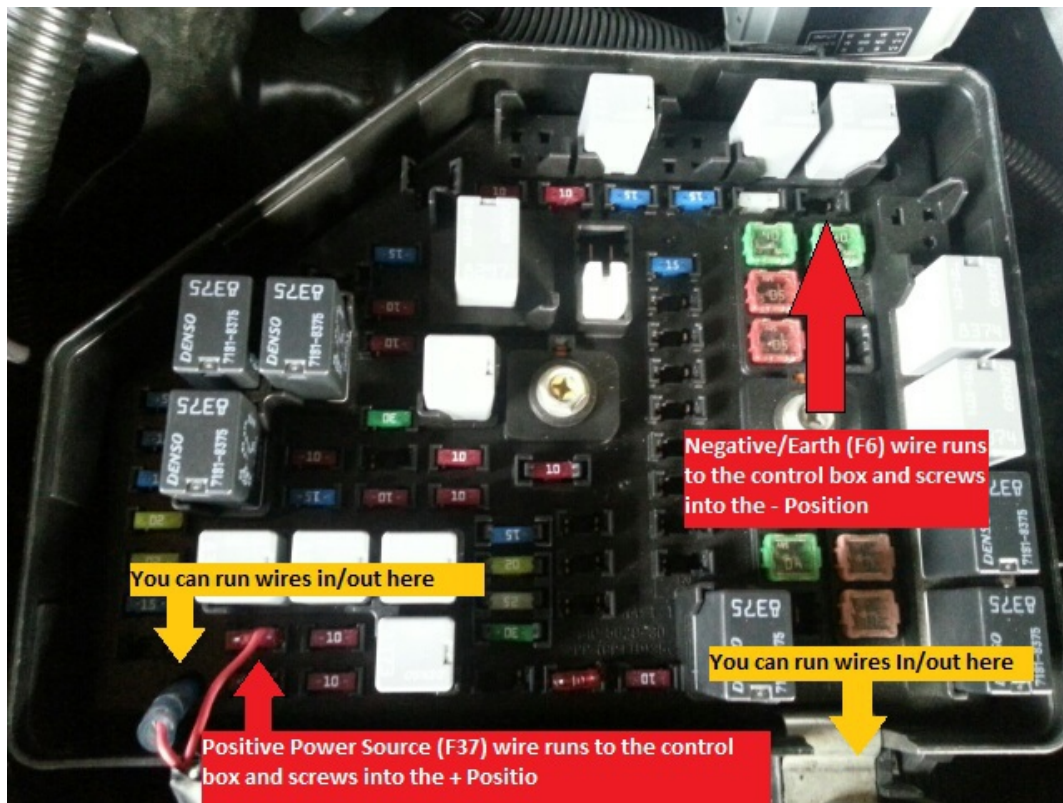
#### **Wires into the Spectrum Control Box**

**+**: positive power from car using inline fuses and wiring – F37 HVAC IGN (bottom left in fuse box)  
**-** : negative/earth from car using inline fuses and wiring – F6 (top right in fuse box)

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**R**: Red wire from headlights  
**G**: Green wire from headlights  
**B**: Blue wire from headlights  
**V+**: black wire form headlights

#### **Wiring for White Plasma Angel Eyes**

insert both your fuse taps one in F37 and one in F6  
F37 – Crimp all 4 red wires from the headlights  
F6 - Crimp all 4 black wires from the headlights



reconnect battery

screw each wire into place with small flat head screwdriver. Turn ignition in the car to on you should see the red light on the control box is on.

press on button on the remote and it should work :)

Mount the control box where ever you have the room some suggested places are the ABS unit velco and held on by zip ties or fusebox side or underneath fusebox lid. Its up to your preference

