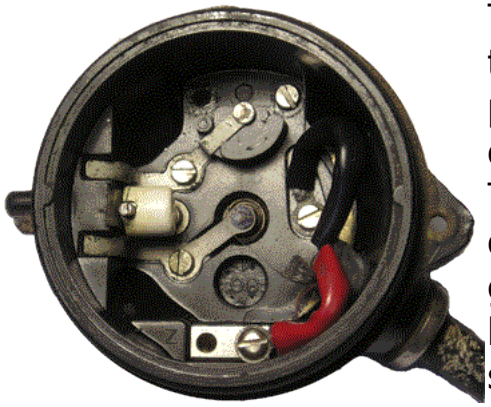
Fitting your R-series Bisun

Though the images on this page are of an Oldham headset, the layout of a CEAG (FX3, Headlite, etc.) headset is substantially the same.
To mount a Bisun R-series LED light unit into either an Oldham or CEAG headset, first disconnect the headset from its battery, unscrew the bezel, and remove the reflector and glass, along with any wiring attached to the reflector.

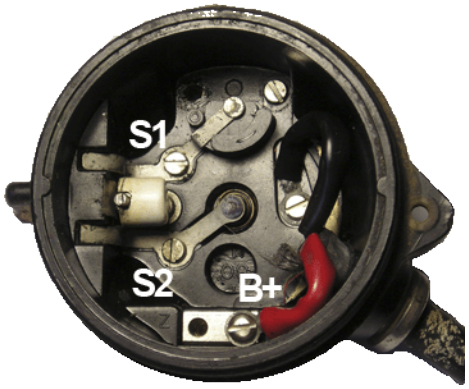
Remove the rubber sealing ring from the reflector, and fit it onto the Bisun reflector.

Remove the pilot bulb holder (Oldham headset, some CEAG headsets), or the twin bulb mounting bar (other CEAG headsets).



The headset should now contain the two switch contacts, each held down by its own screw, and the two power input leads, and look something like the image on the left.
This would be a good time to examine the condition of the switch. Dirty contacts should be cleaned and greased, and flattened contacts could be gently bent back to shape. If they are badly corroded, replacement should be considered, and some thought given to the waterproofing of the headset.
If the switch is stiff in operation, it is recommended that it is dismantled, cleaned and greased, since a smoothly operating switch can give useful tactile feedback in lamp operation, and greasing may also aid waterproofing.

Next, the positive (red) wire from the Bisun needs to be connected to 'B+' in the headset.



Next, connect the (black) switch input leads, each to one switch contact (S1 and S2). It does not matter which black wire connects to which switch contact.

The reflector should then be placed in the headset so that the wiring lies in the right-hand area, and does not risk fouling the switch.

Finally, the glass should be positioned on the reflector sealing ring, and the bezel aligned and screwed down.
Note that since there is no mechanism to prevent the reflector and glass rotating when the bezel is screwed down, pressure MUST be applied to the front of the glass while screwing or unscrewing the bezel to prevent rotation of the unit.