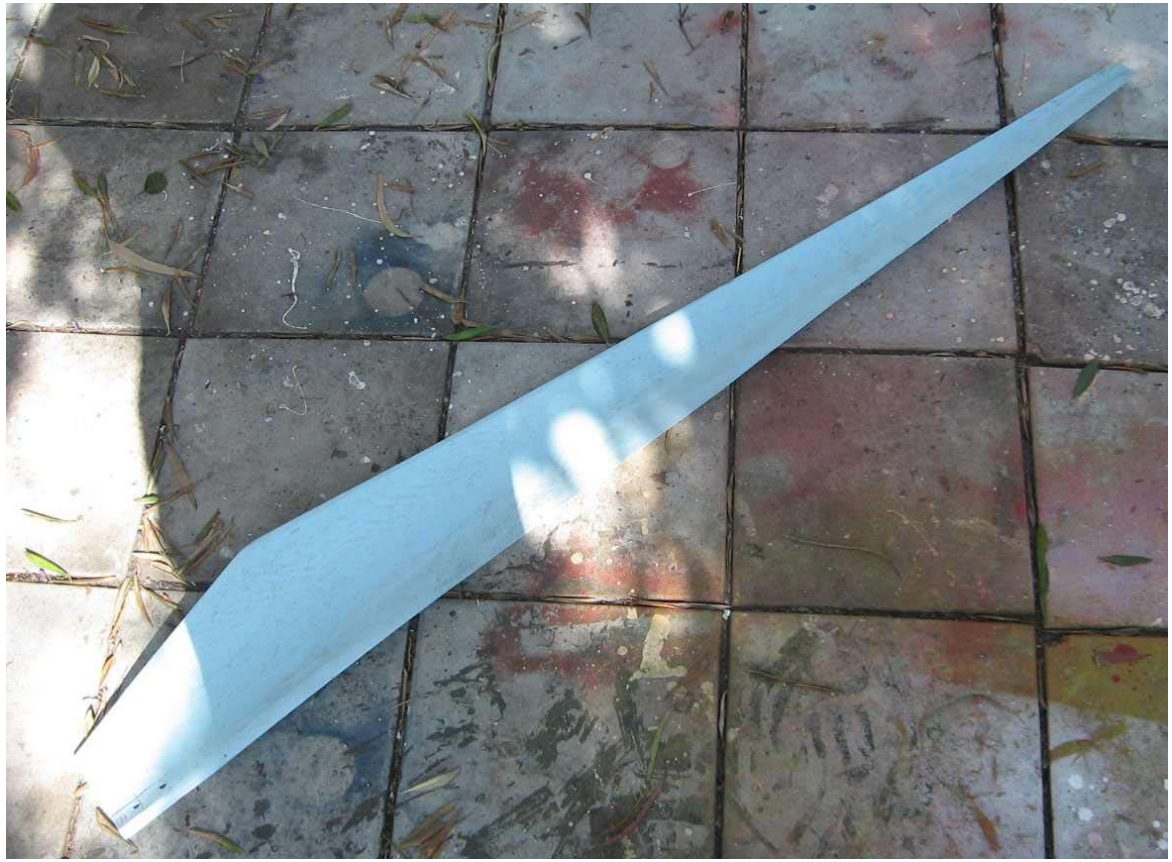
Wind turnbine Jonathon Thwaites
See http://www.sustainability.fm.uwa.edu.au/welcome/wind_turbine__home_made









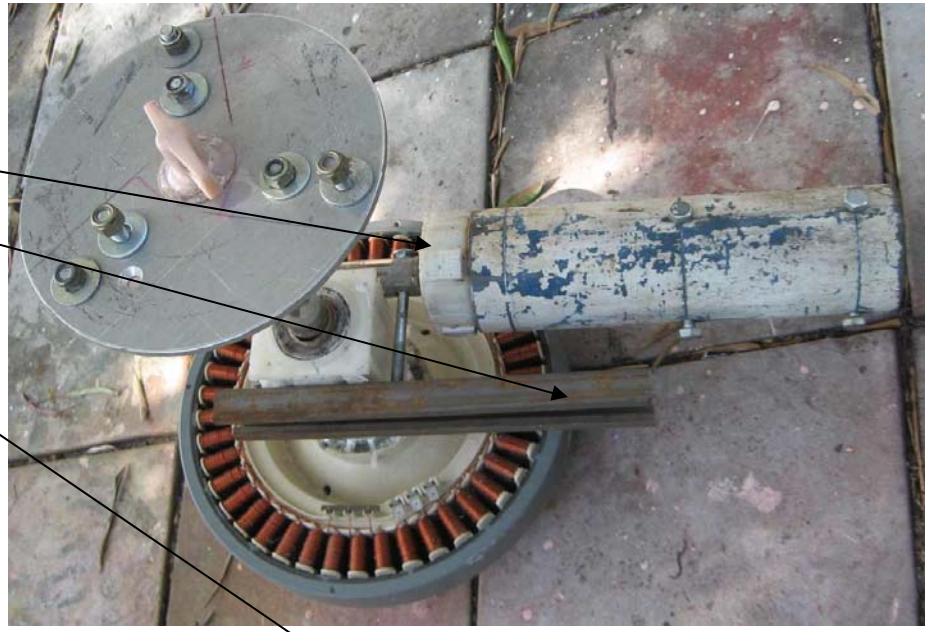


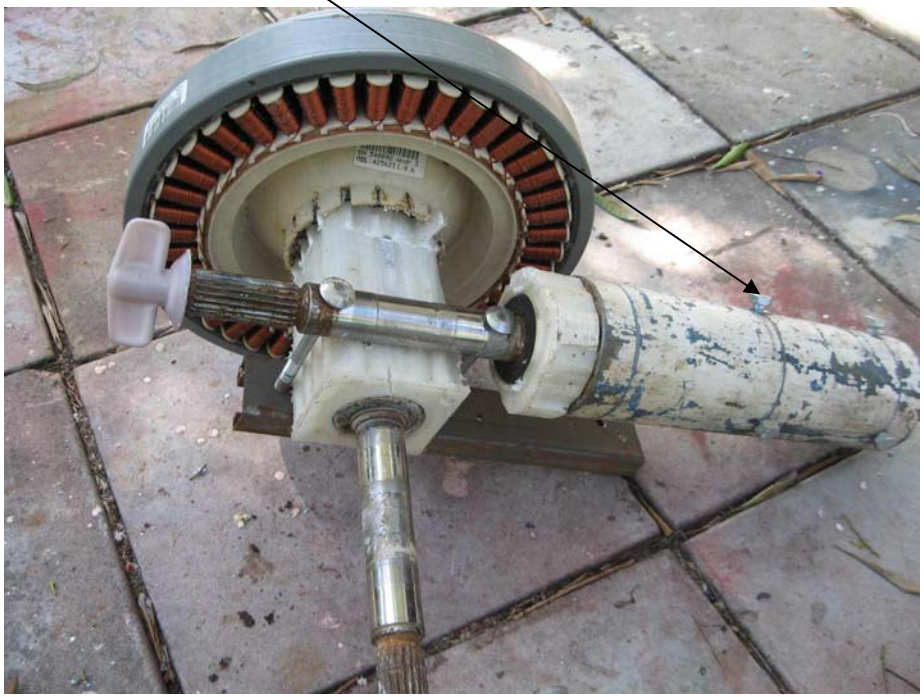
Blades PVC 1.7 m cut out of 250 mm 1 cm thick PVC pipe and
Mounting plate 5 mm thick aluminium plate
¼ “ steel bolts and washers



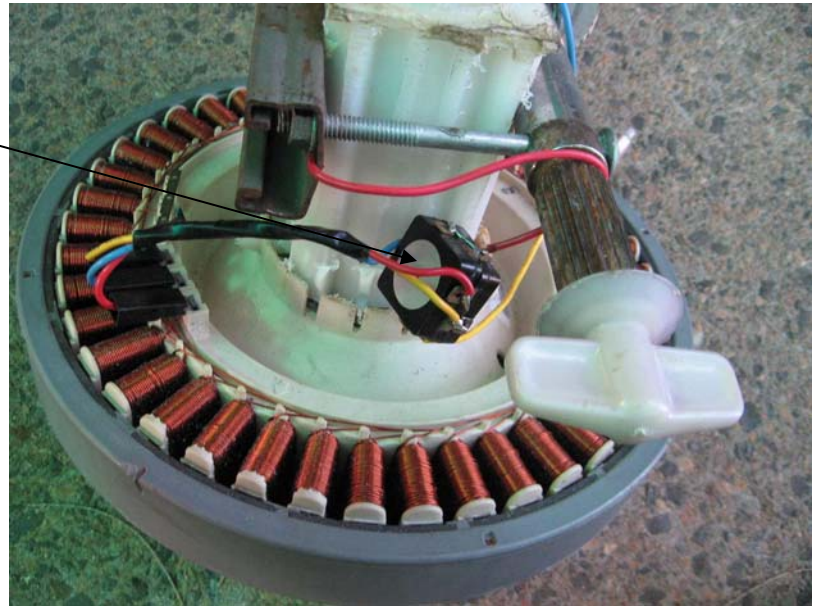
Mast head without wiring
Turned FP bearing for mast head bearing
Extended bracket for tail fin attachment
Clamping bolts, ¼” tapped holes

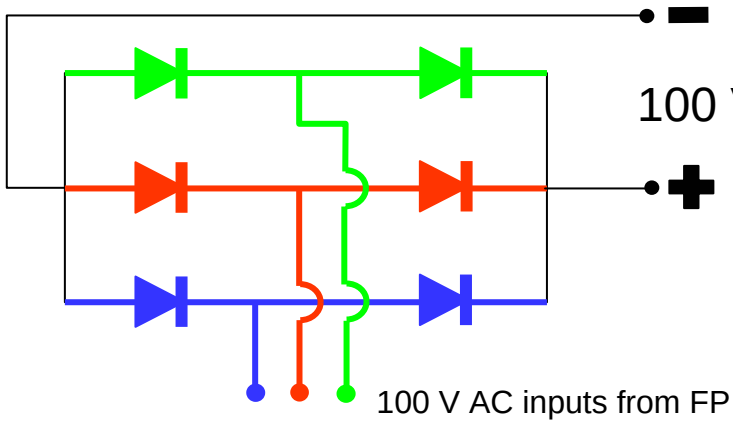


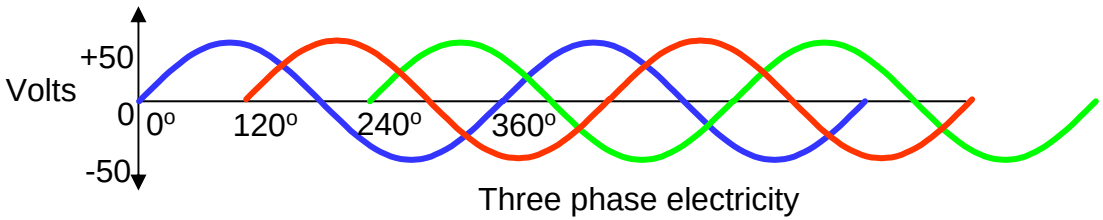




3 phase rectifier using 1 and half bridge rectifiers From recycled junk)
to turn 3 phase AC from the Motor to DC







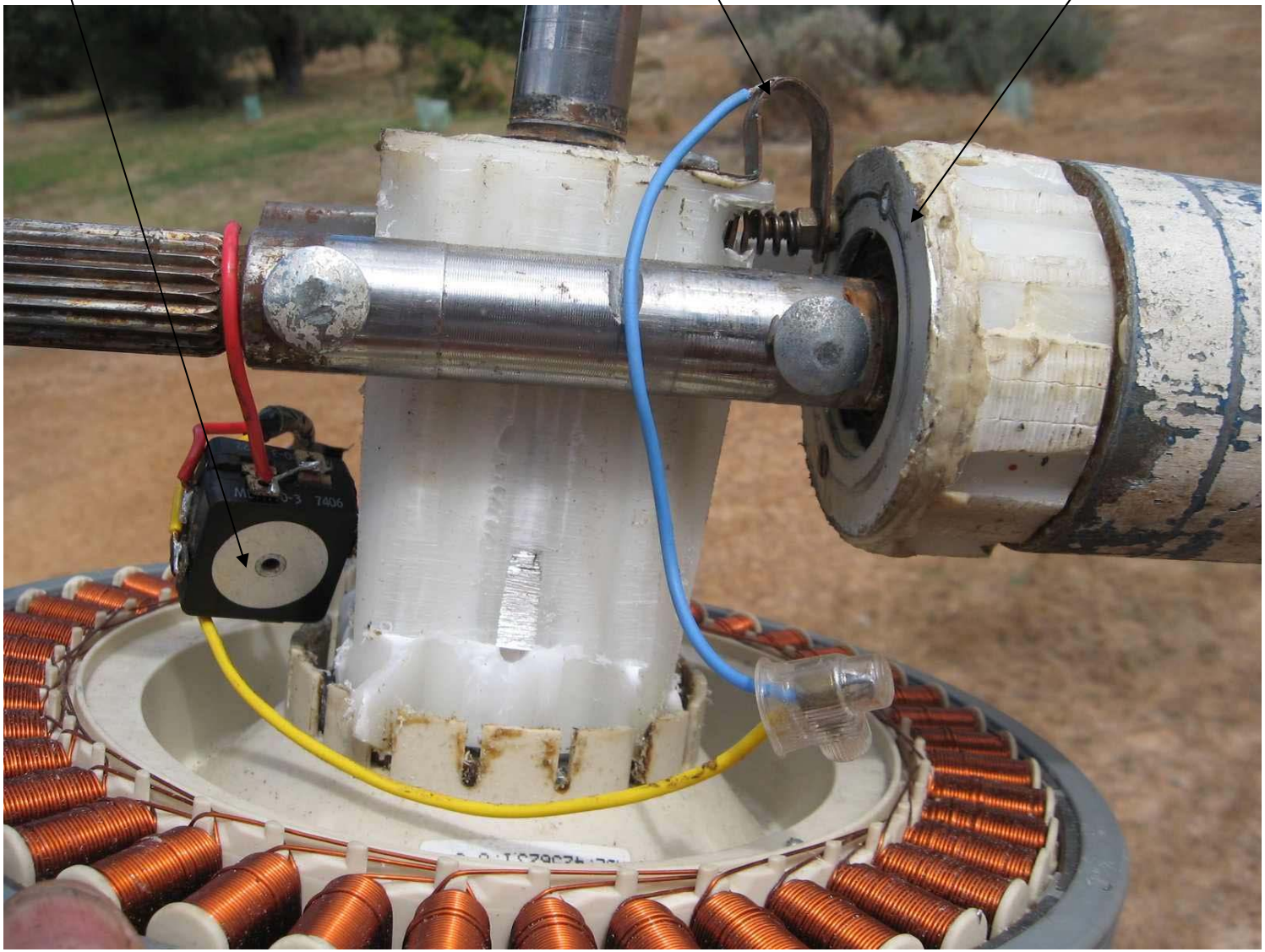
Three phase electricity

Aluminium disk stuck on plastic

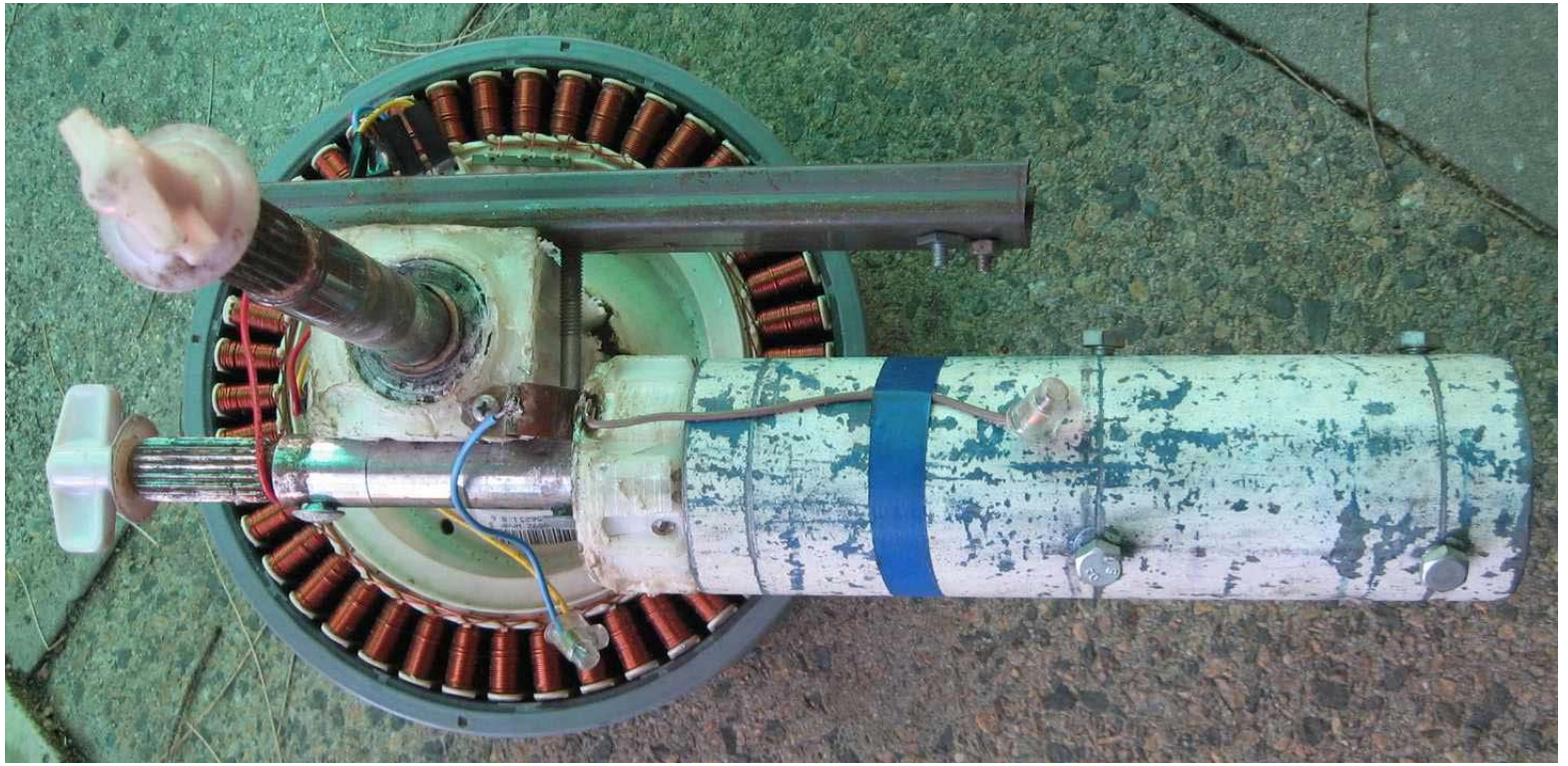
3 phase rectifier using 1 and half bridge rectifiers

Brush for second contact

Pole is other contact

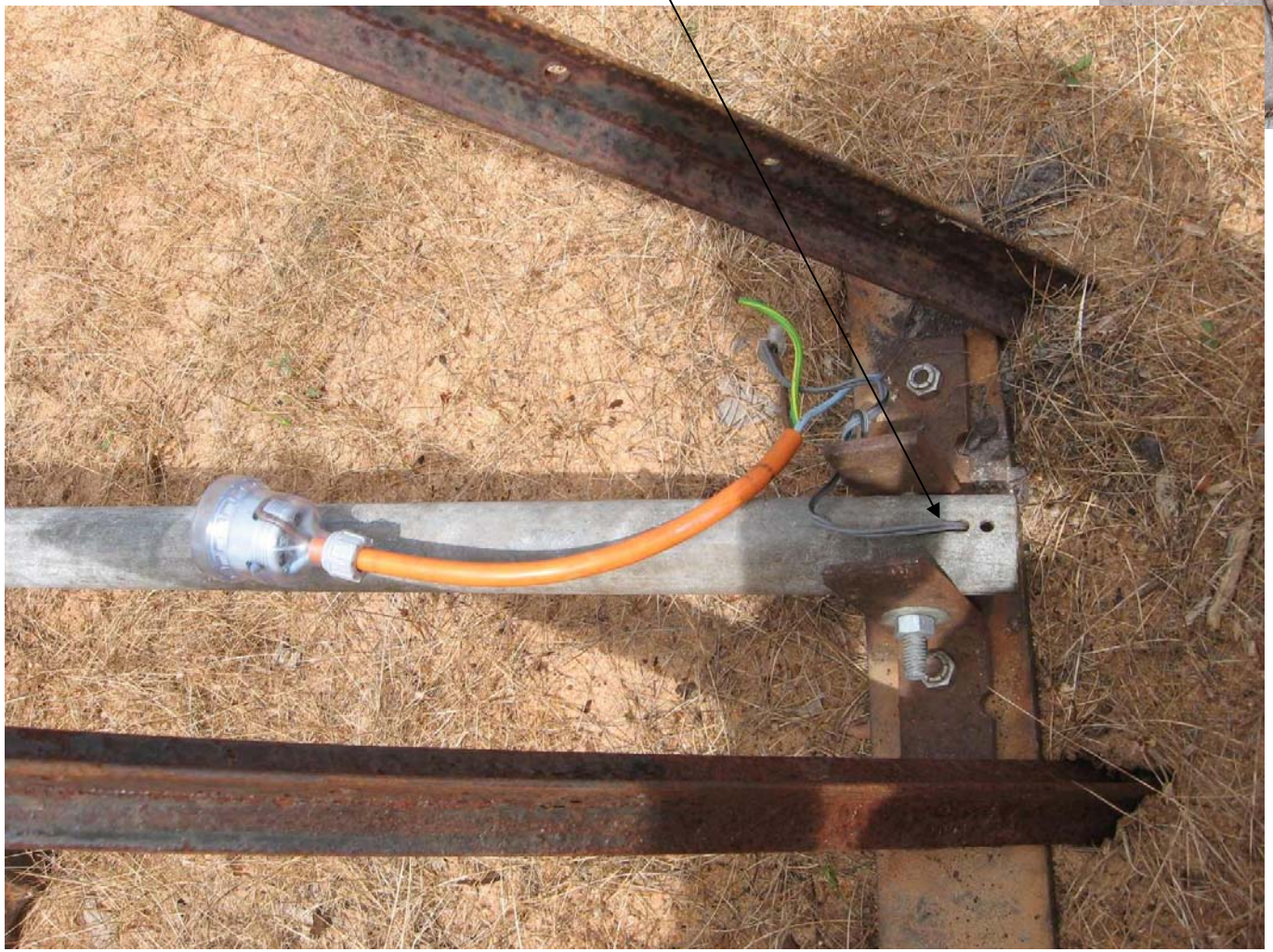


The complete head

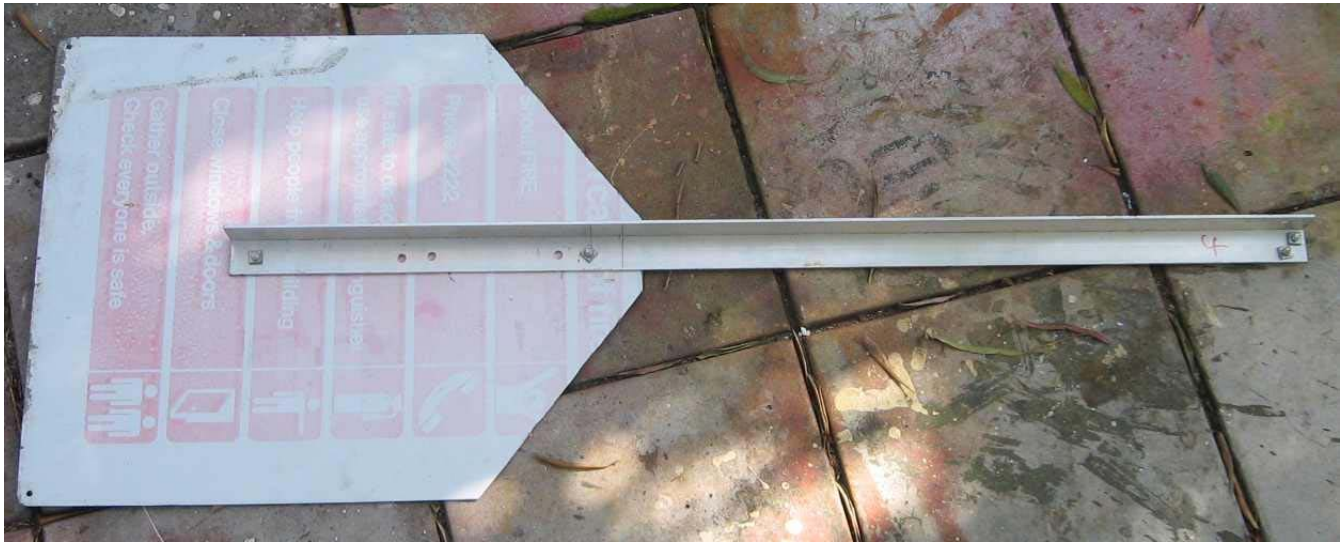


The base plate
Pole is one contact through mast head bearings
Wire down centre of pole is other connection
100 V DC





Tail fin



For stays



Ready to go
Wire for second connection goes into pole



Putting it together for raising – using tow ball on car to lift it.
4 stays, 2 at right angles to lift direction and in line with base plate so they stay tight
Turn buckels to set them at appropriate tension when up





