

MK-U47 Tube Microphone Kit featuring:

Costum Headbasket made by Flea with Pattern Switch
Brass made body tube and bottom bell, bead-blasted and nickel-plated
Stainless internal structure
Bv.08 Transformer with 8 seperate sections from my own production
6028 single supply circuit with all parts including



including (back left to right):

body tube
bottom bell with power resistor mounted + internal structure
Headbasket pattern switch
Transformer + resistor board
High-Z board with screws, teflon isolators, shims for variable capsule mount height
solder lugs and subminiature reed-contact
Black rubber band for tube shock-mount
Tube deck + tube sockets, screws,

tubes incl. for the first 50 kits

(front left to right):
Wiring, yellow wire sleeve, shrink tube
Binder connector for mic and cable
Bv.08 Transformer
PIO and styroflex capacitors, resistors

to complete the microphone, you'll need:
a capsule + holder
a single supply 105v PSU
a microphone cable (cable connector to mic included)

Completed kit with Flea capsule holder:



BUILD:

we start from the bottom up.

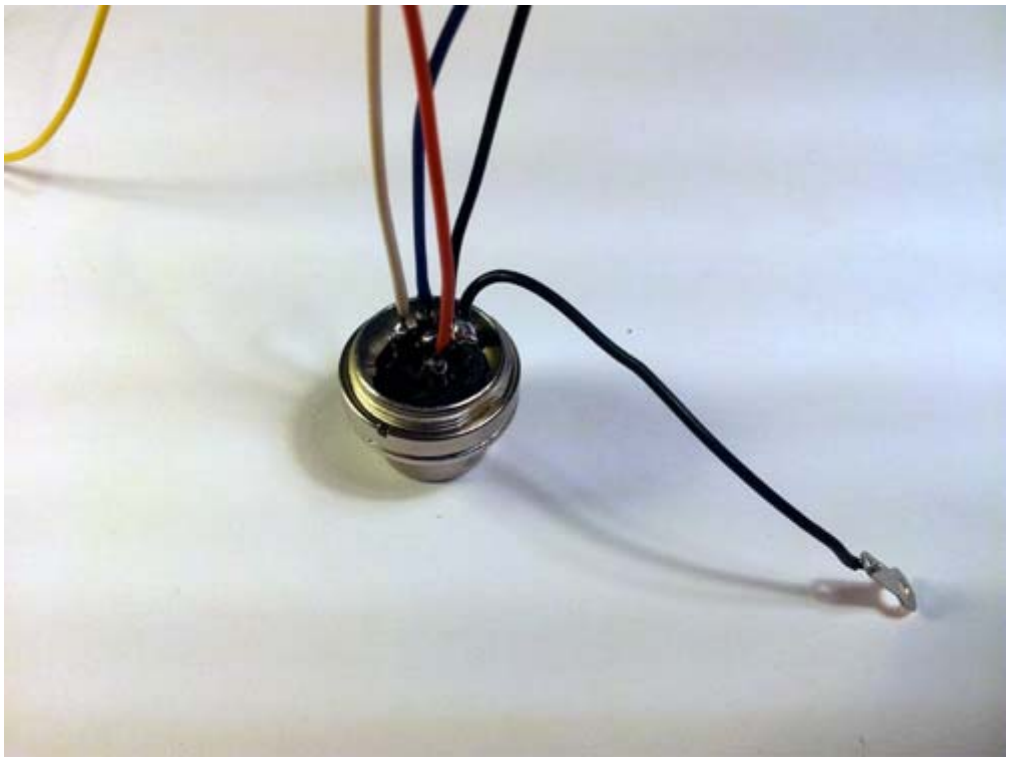


Use small pieces of wire to bridge contacts as shown

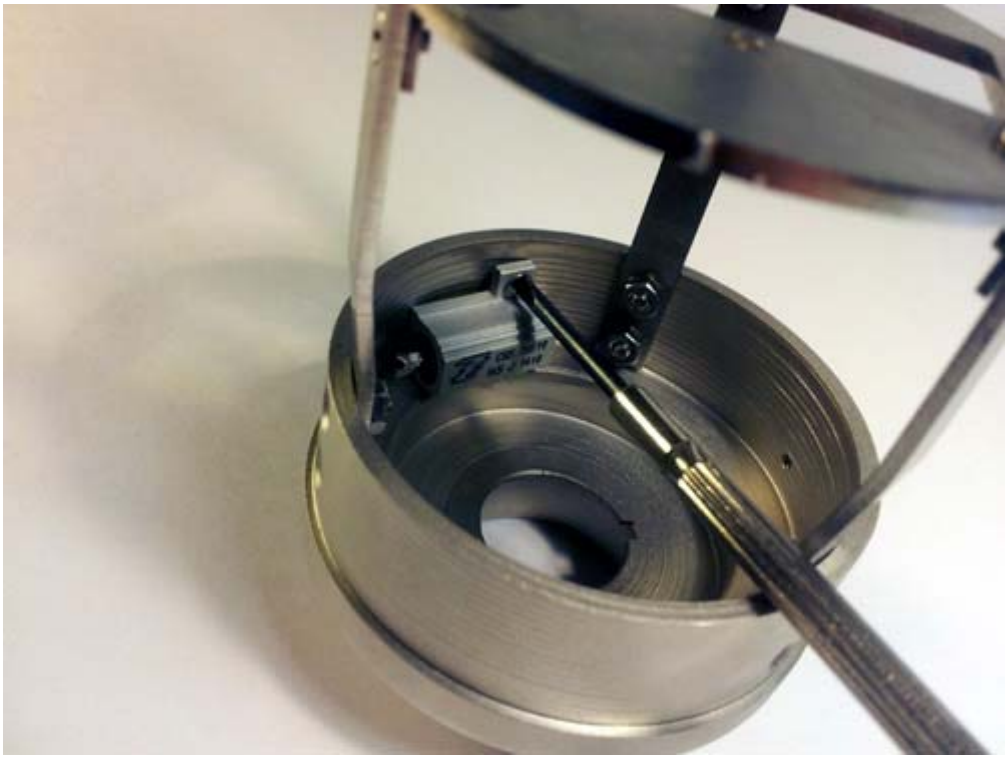




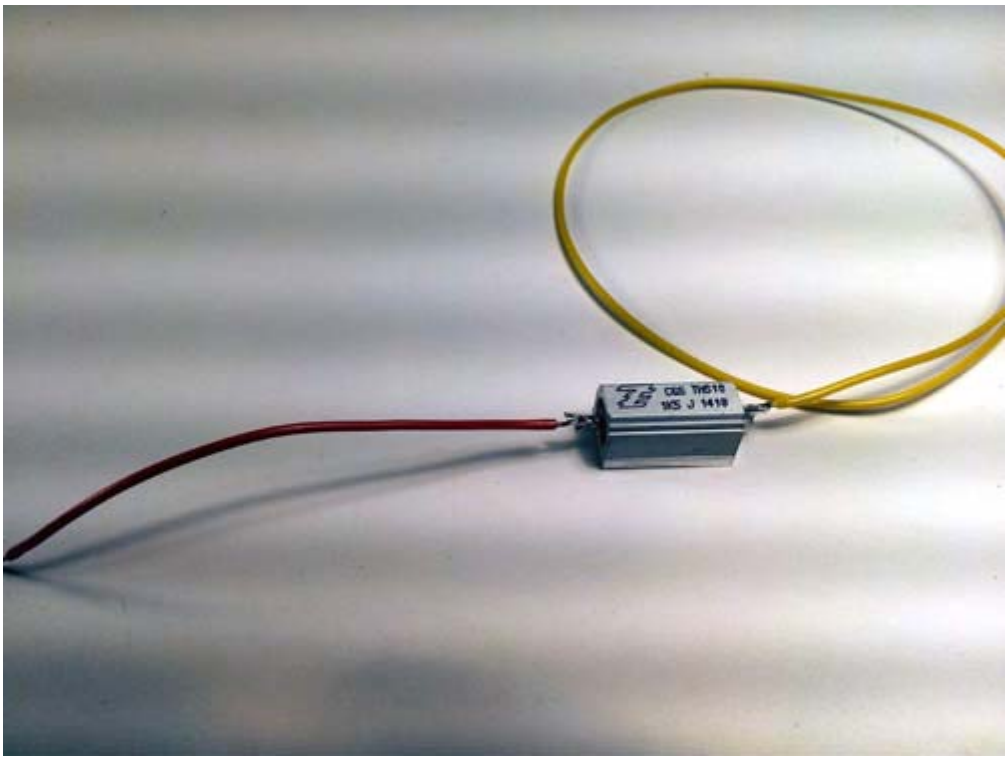
wire the connector according to the original schematics
Solder a lug to the end of one black wire
1: White
2: Blue
3+4+6: Black x 2
5: Red



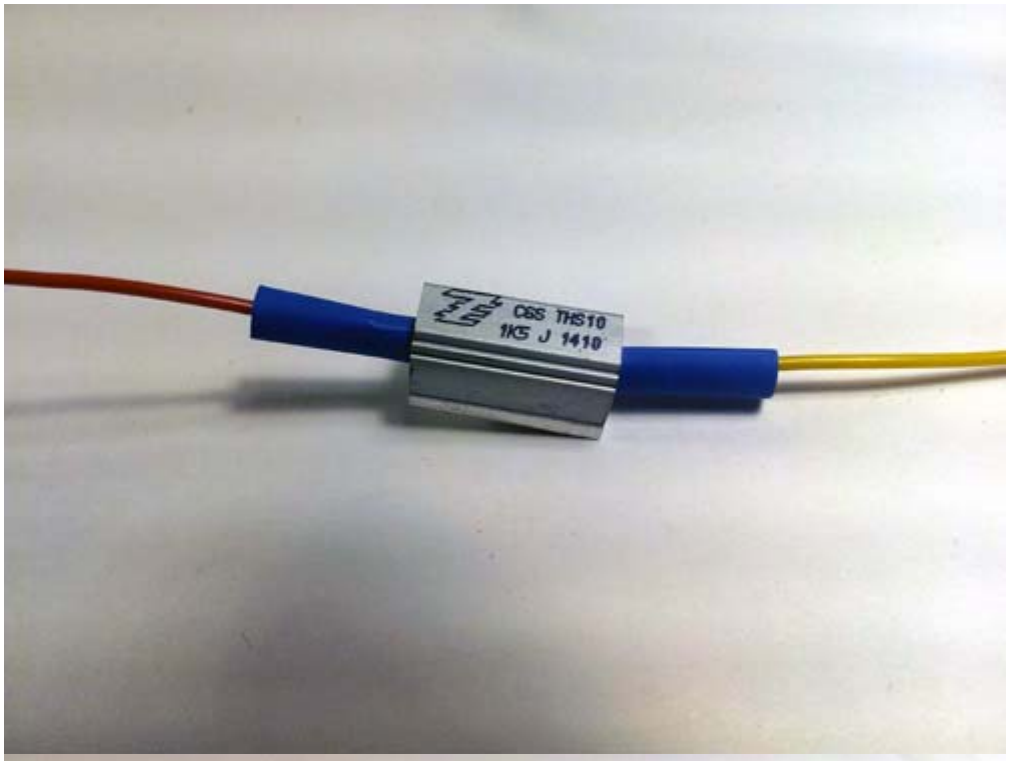
Unscrew this resistor

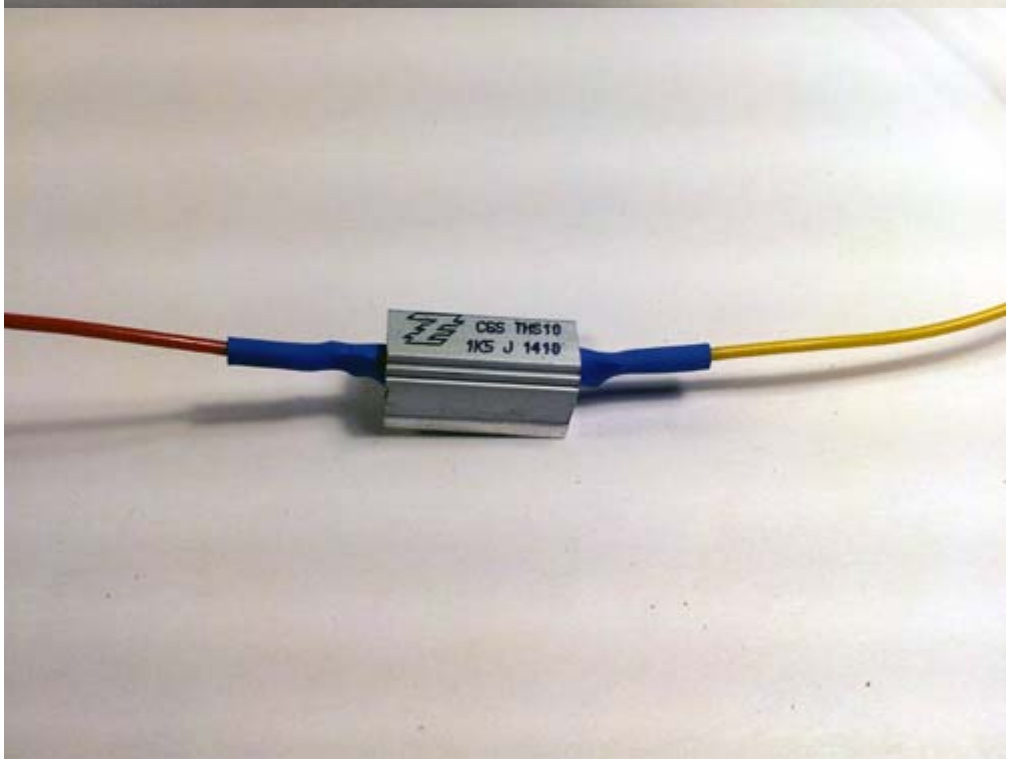


Solder yellow and red wire

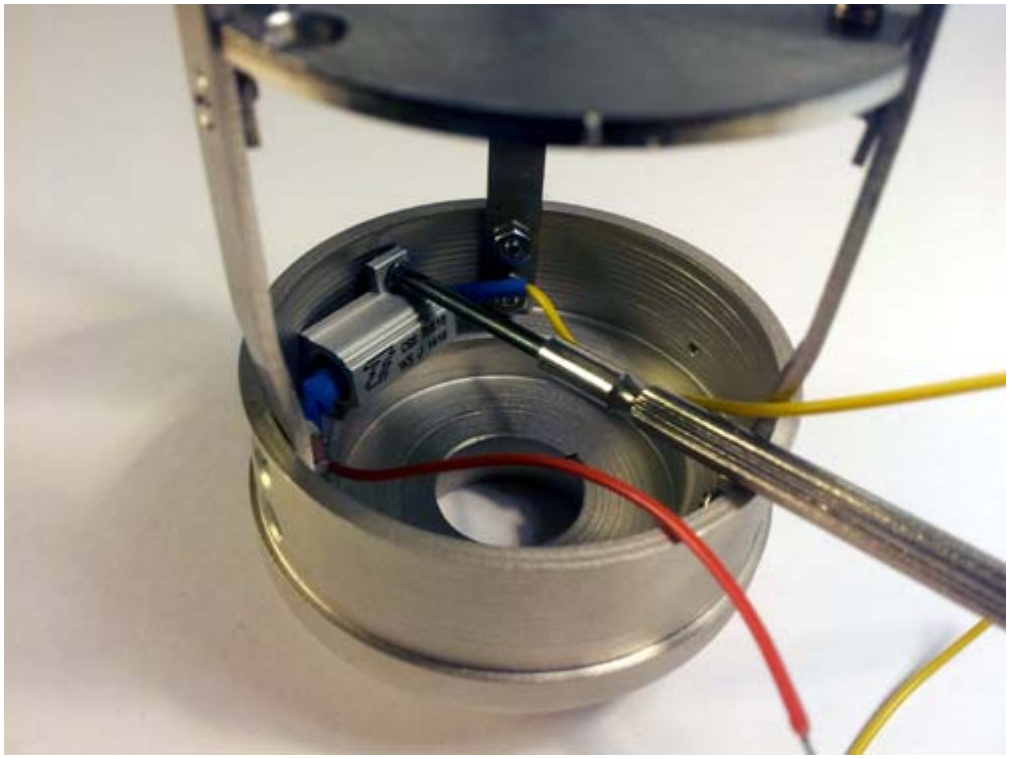


use shrink tube for isolation





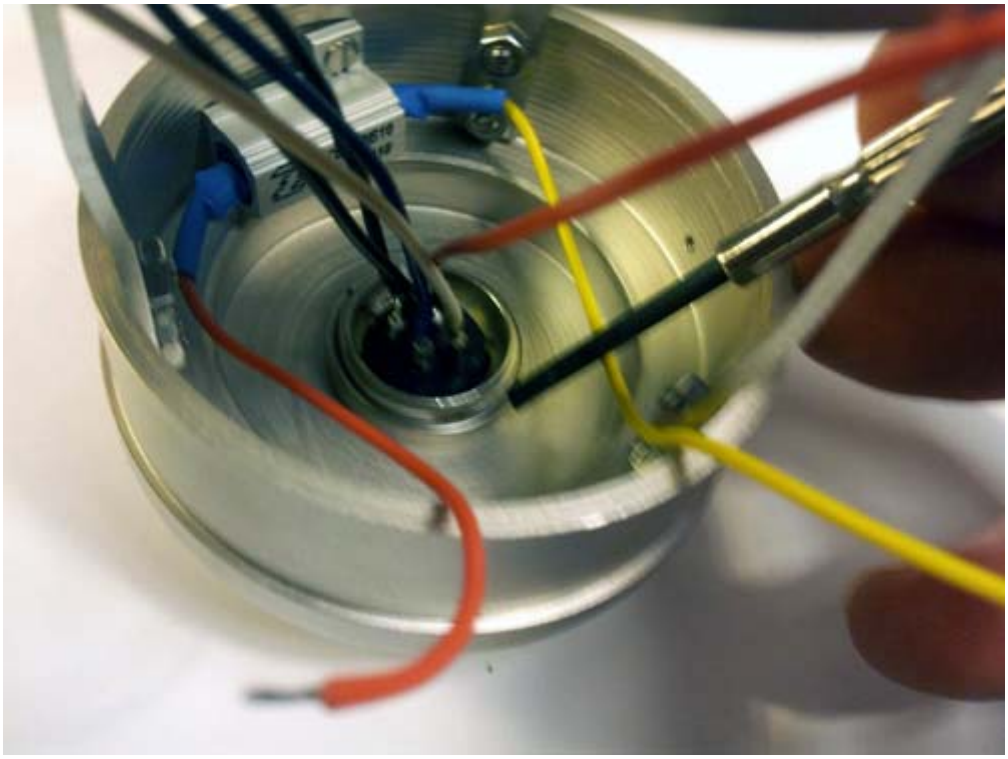
mount the resistor back in



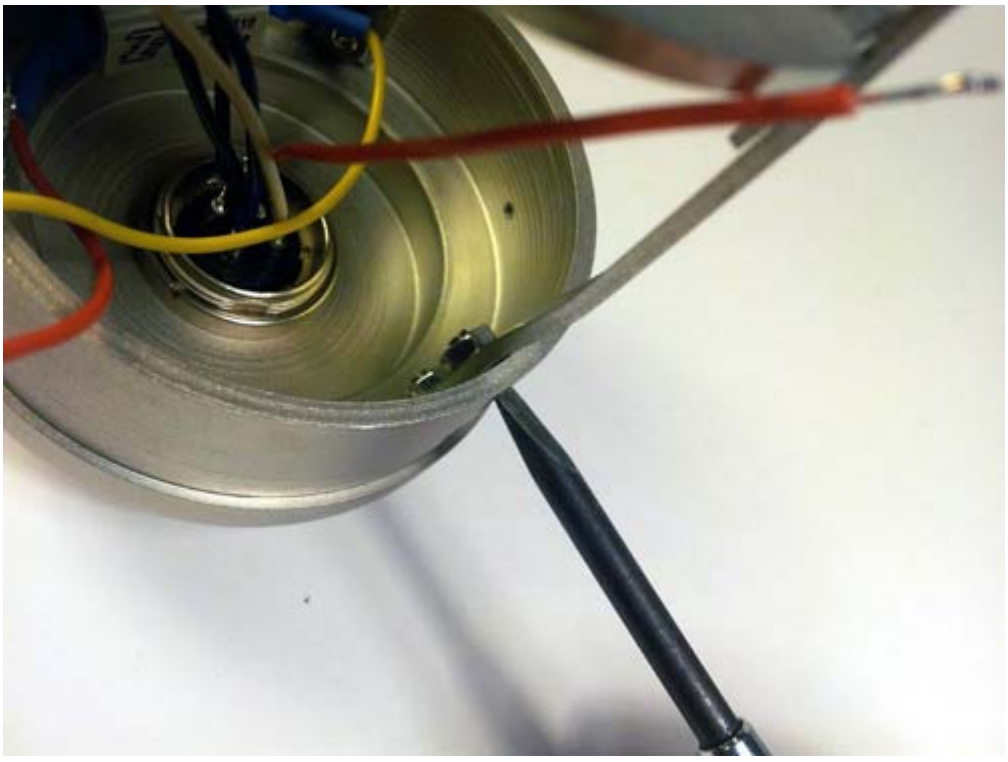
unscrew the ring of the connector and place it
in the bottom bell, aligning the keyway/slot

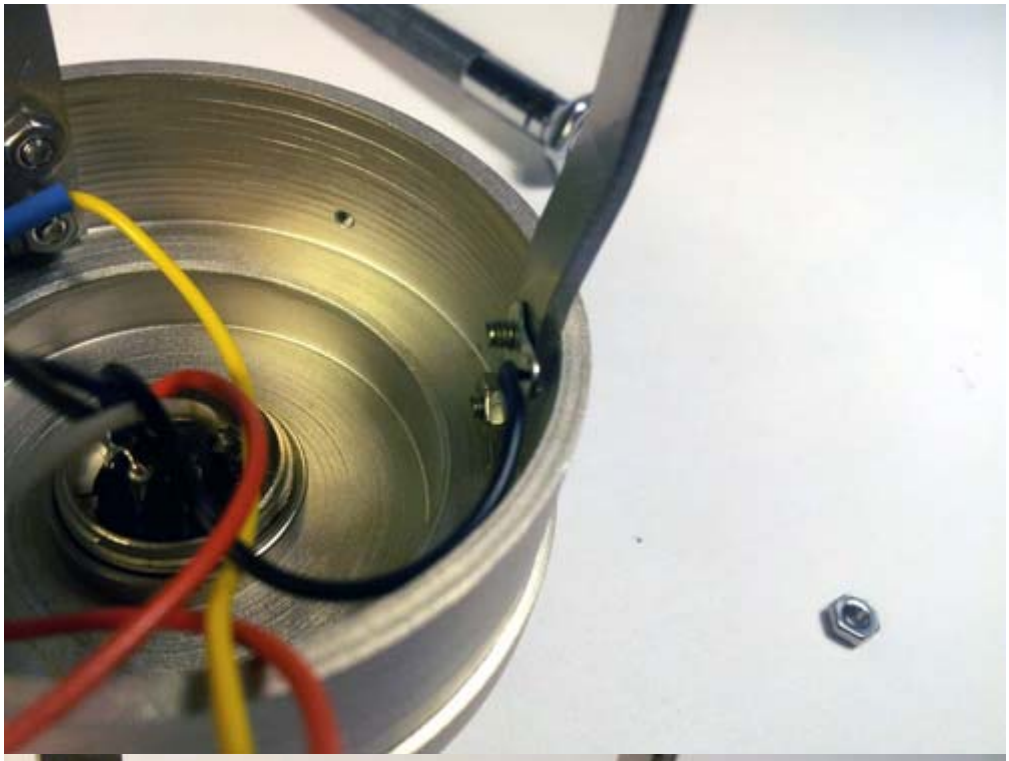


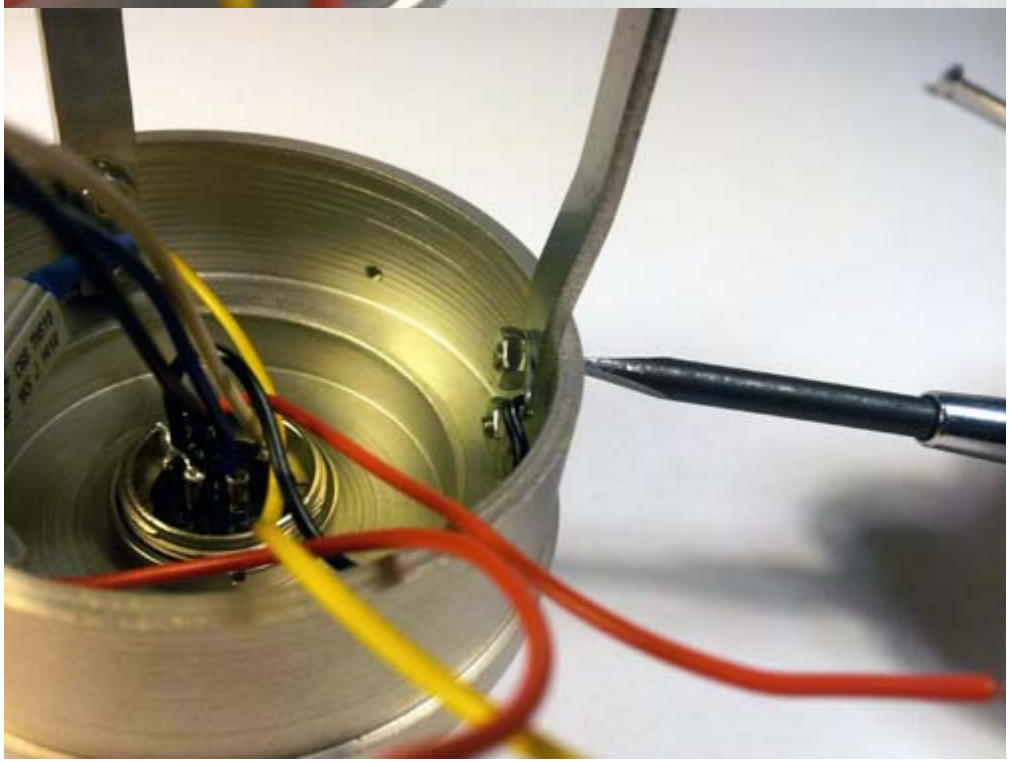
carefully place the ring and tighten



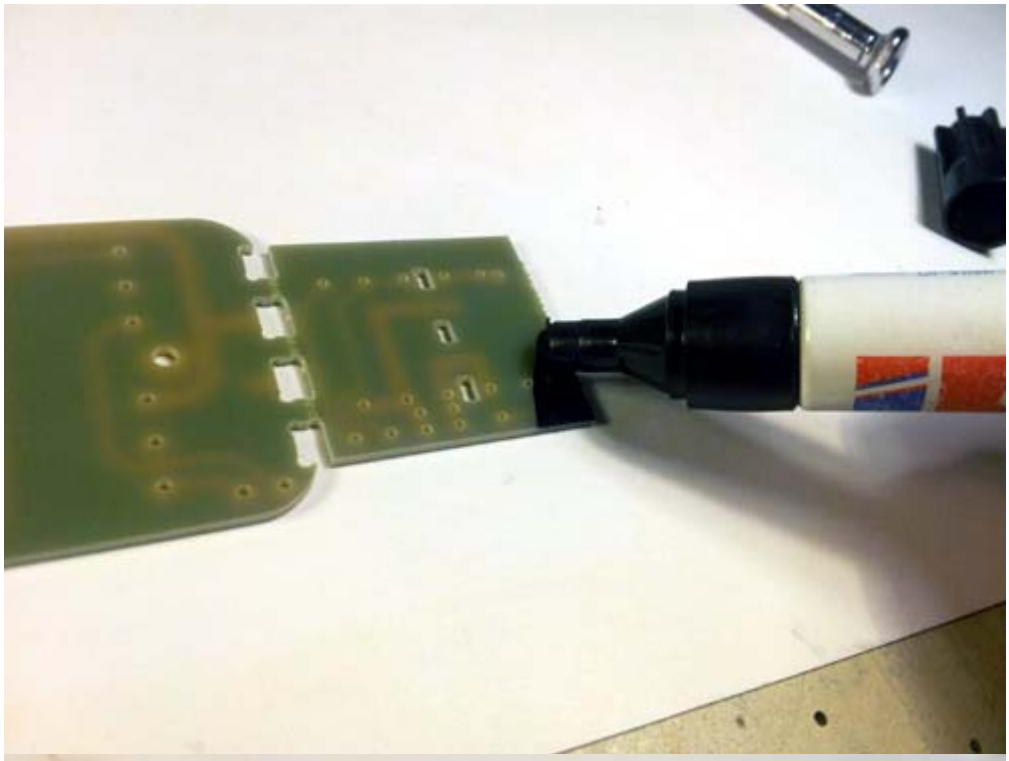
unscrew the nut and place the solder luck and re-tighten

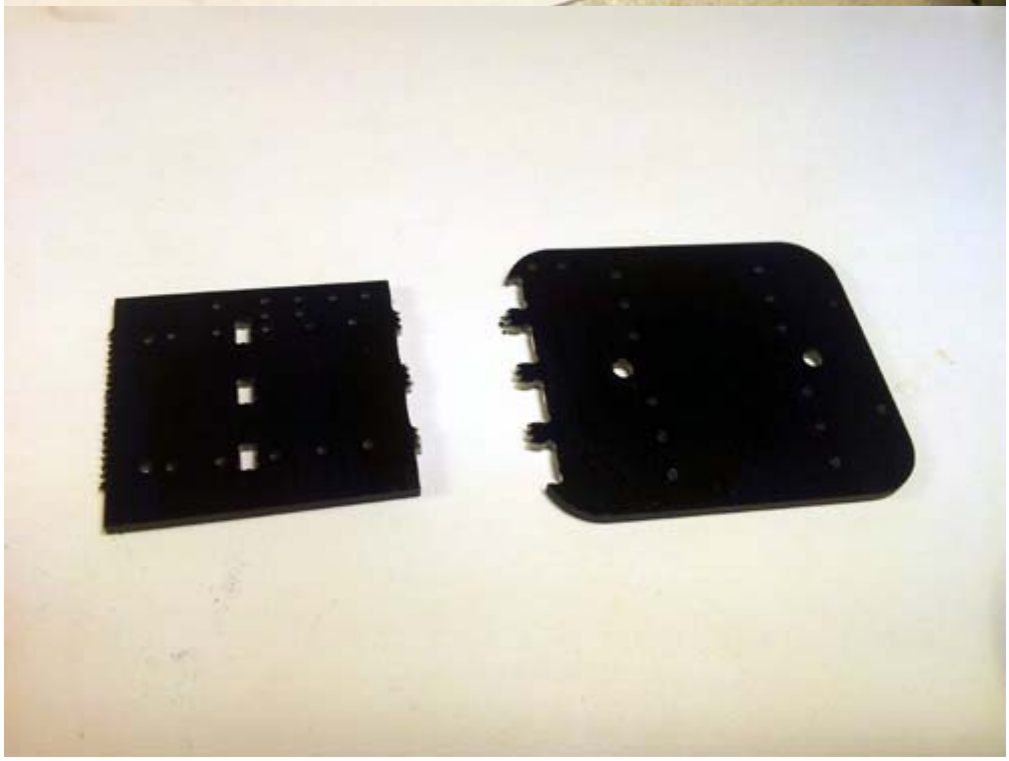




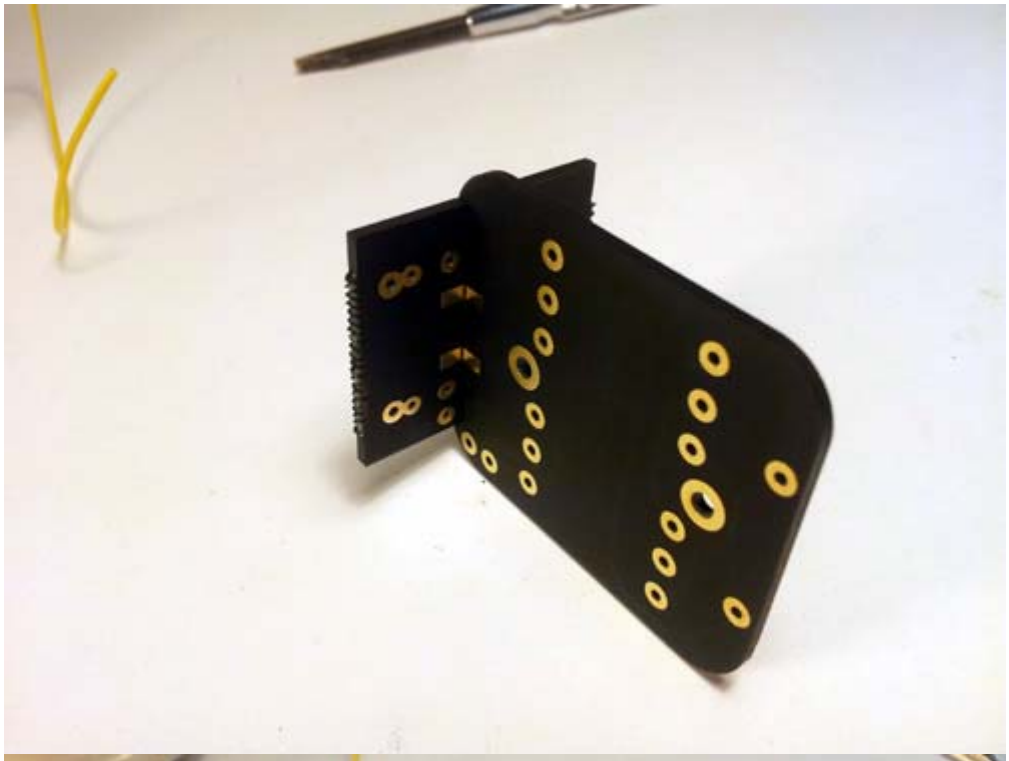


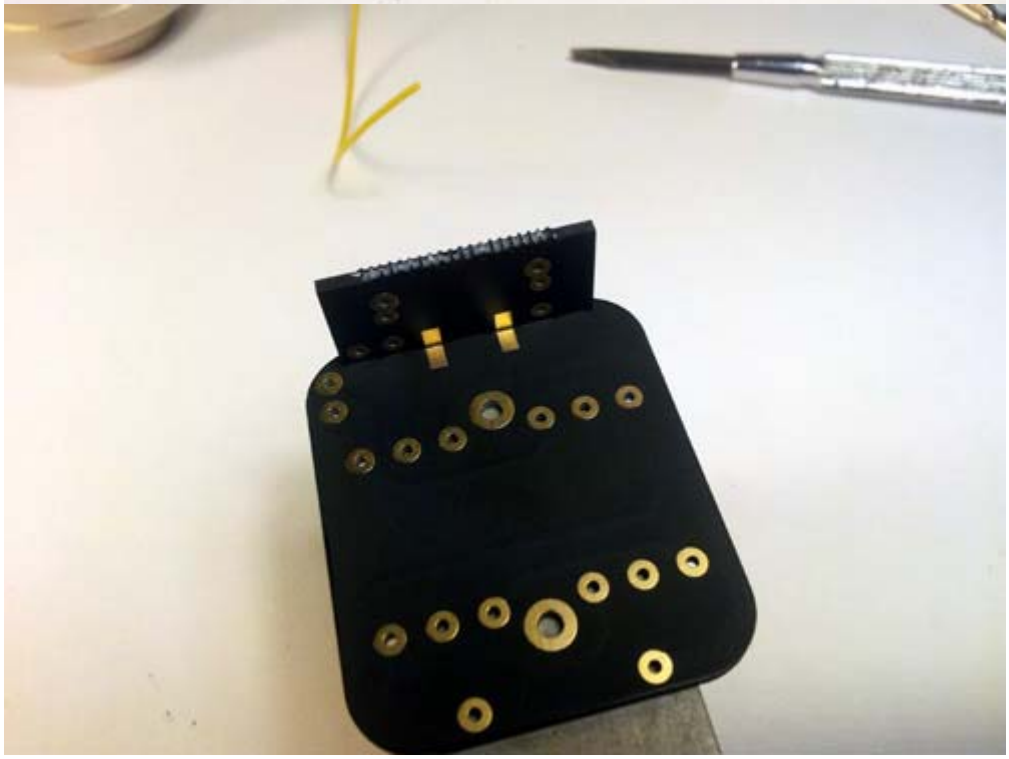
paint the transformer/resistor board (not shown: use a file after breaking)





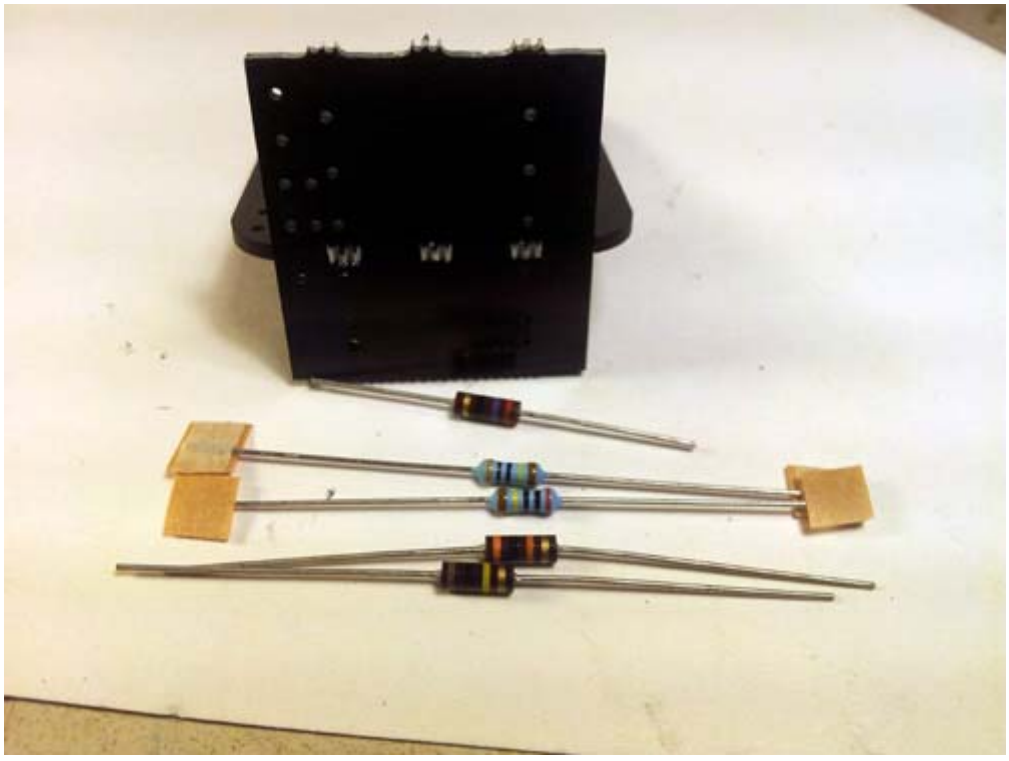
Solder together the boards as shown, check for right angle





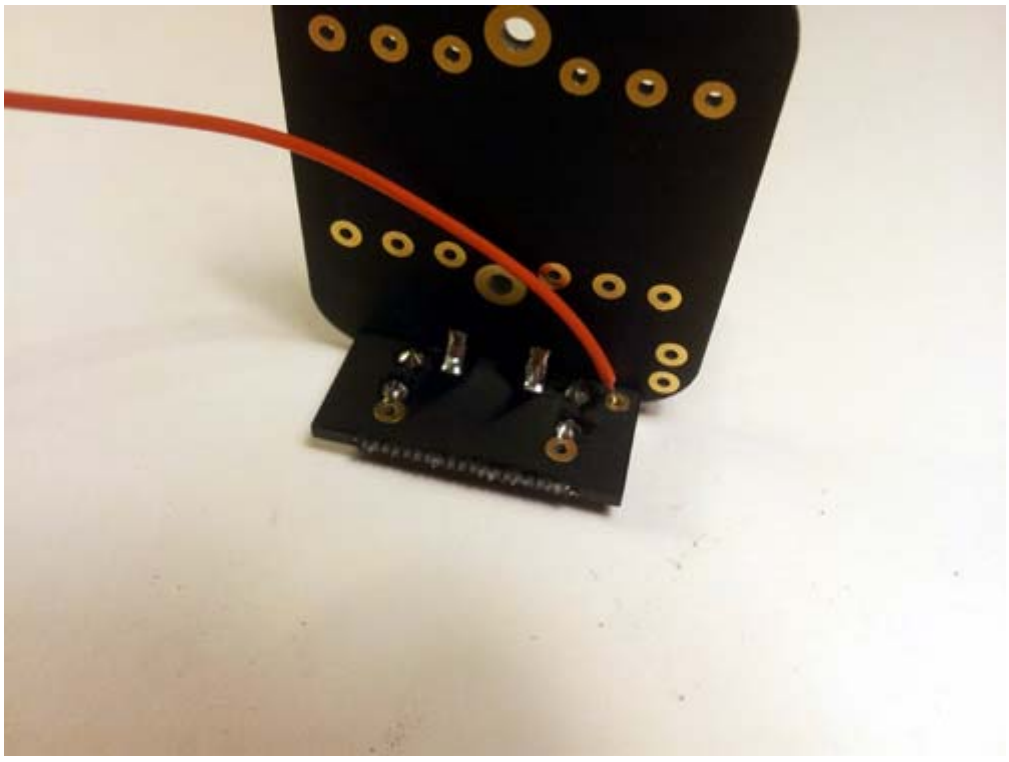


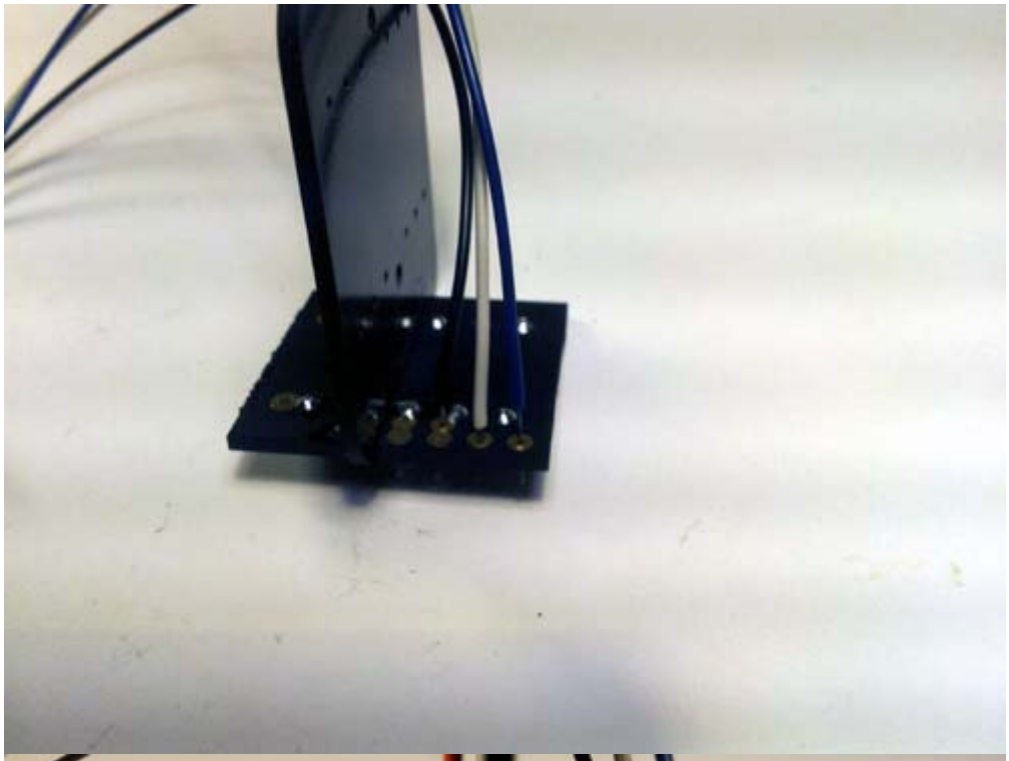
place and solder all resistors as shown

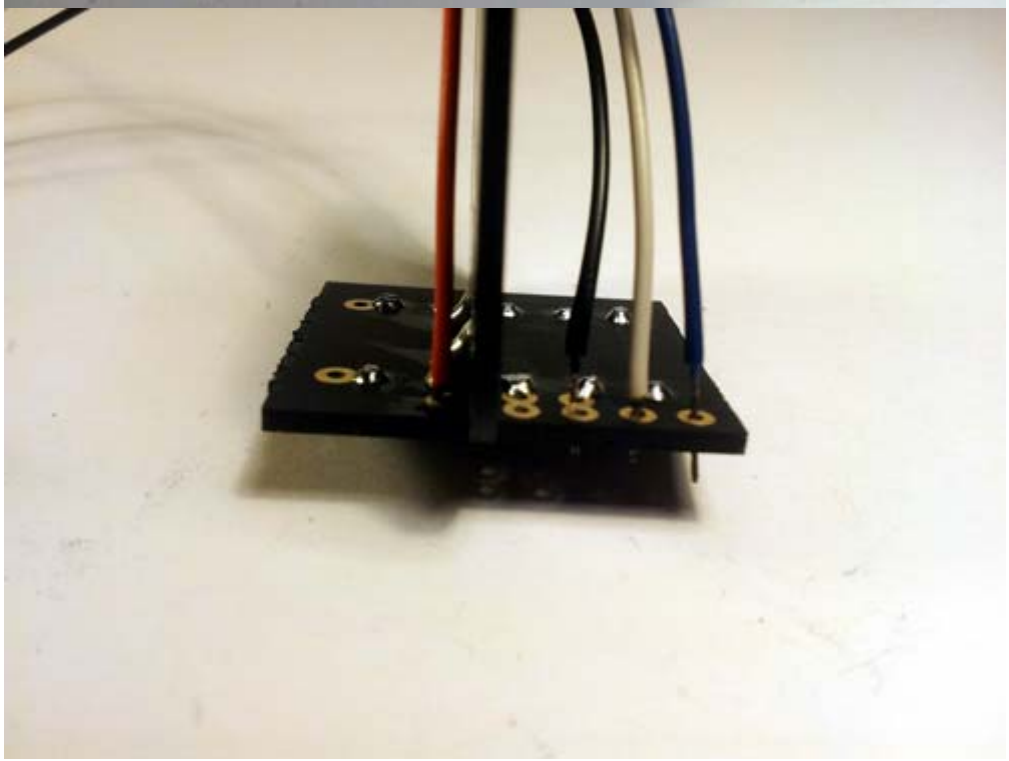


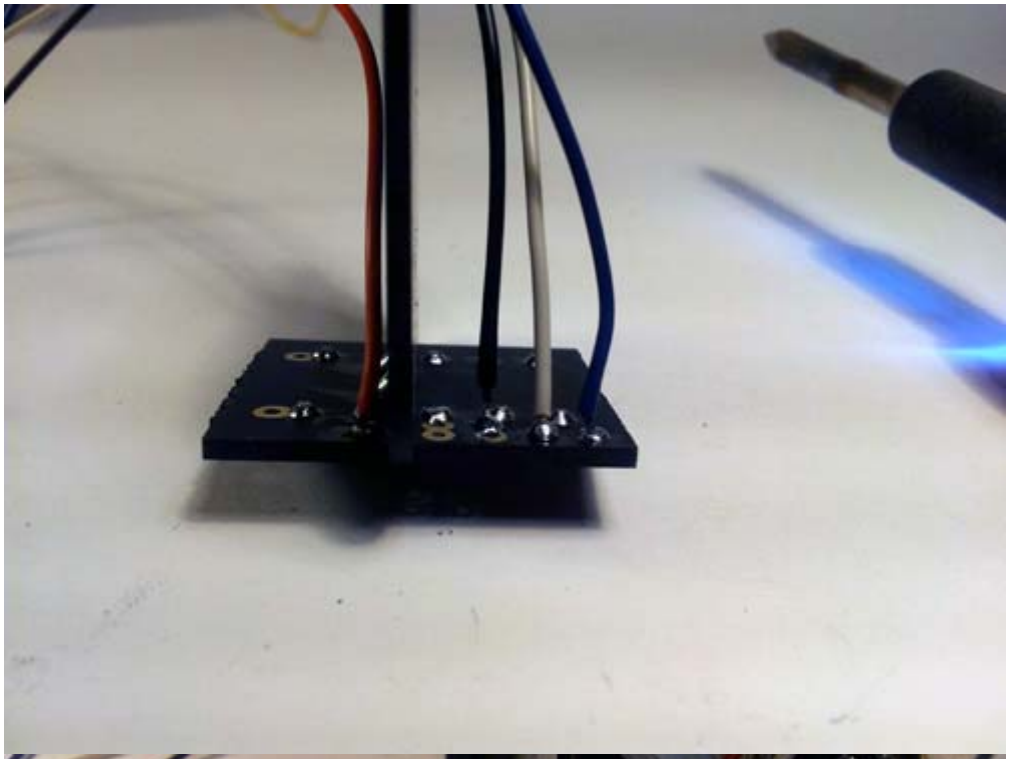


place and solder all wires as shown





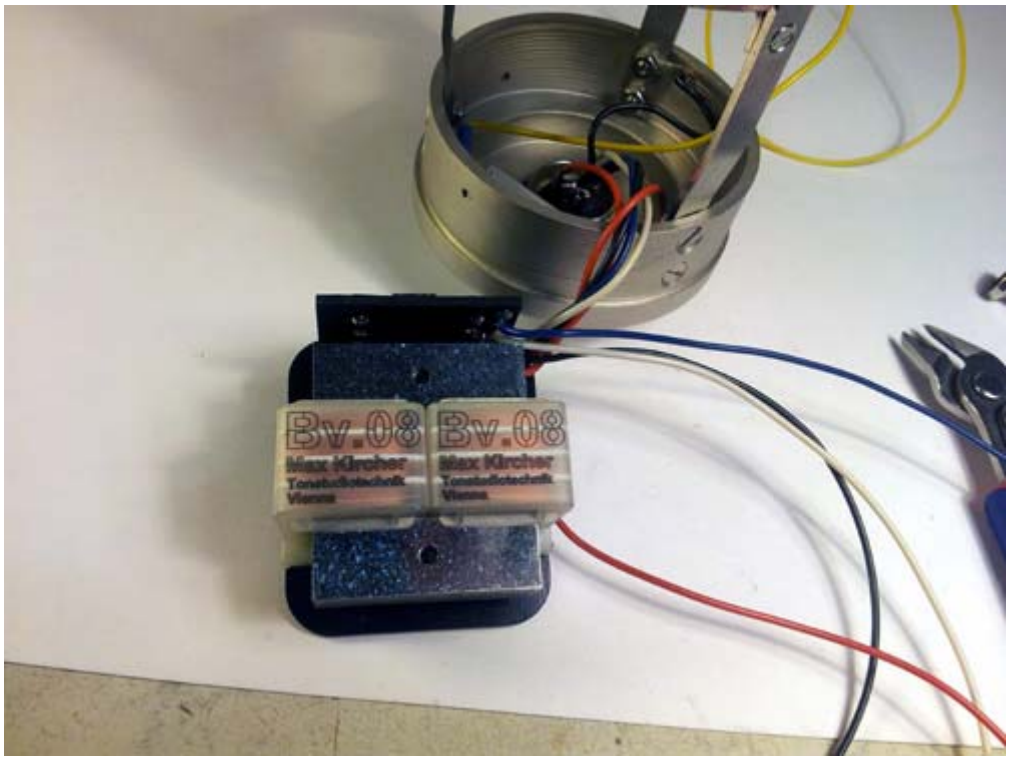


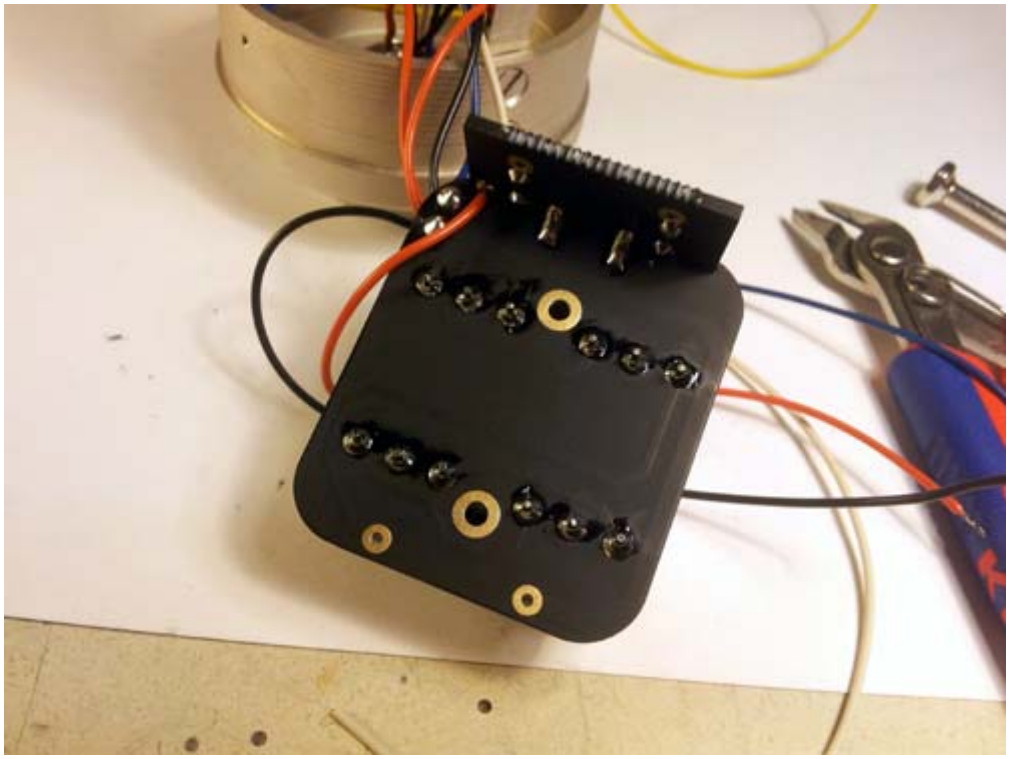




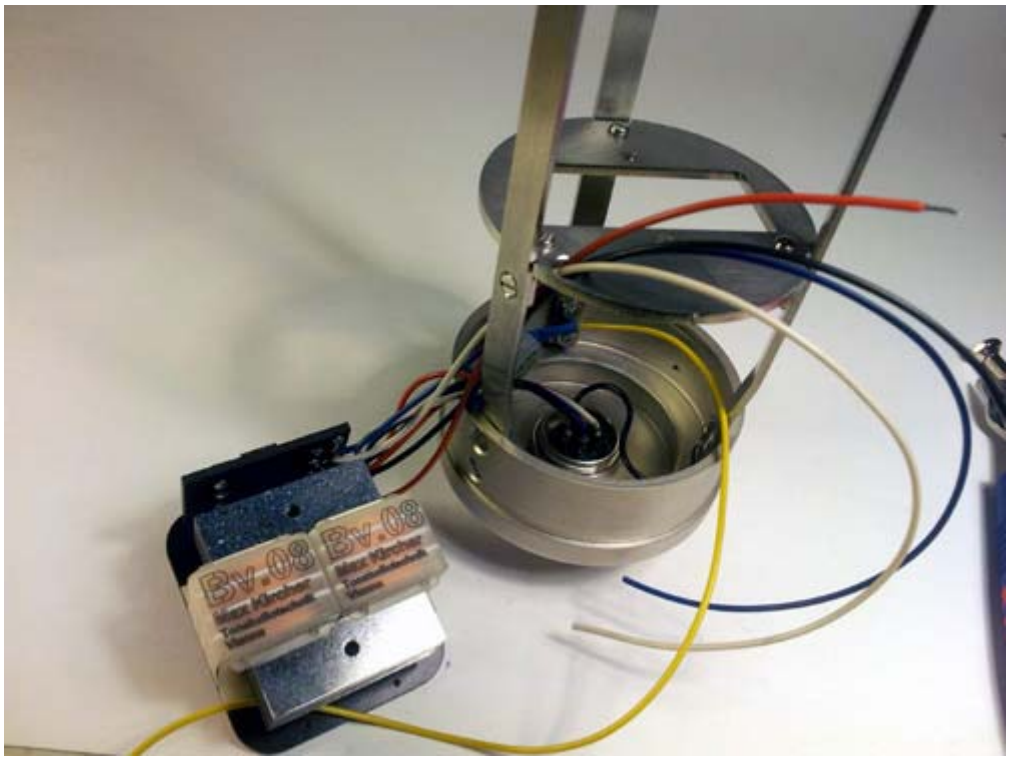


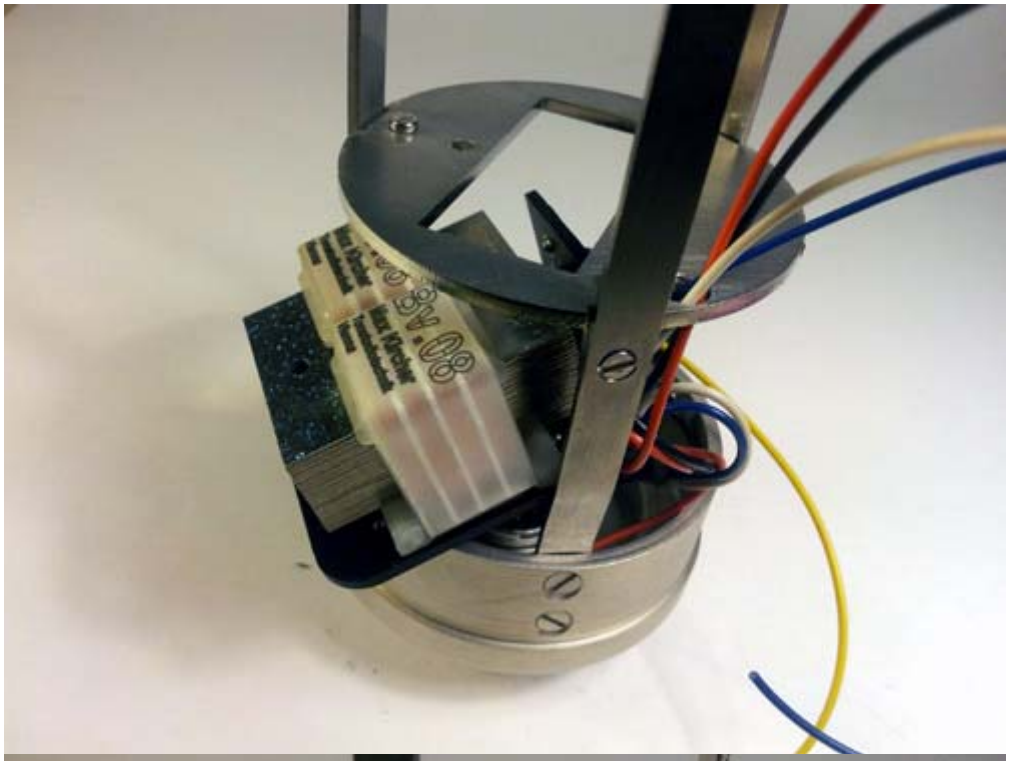
Be careful handling the transformer
place and solder the transformer as shown

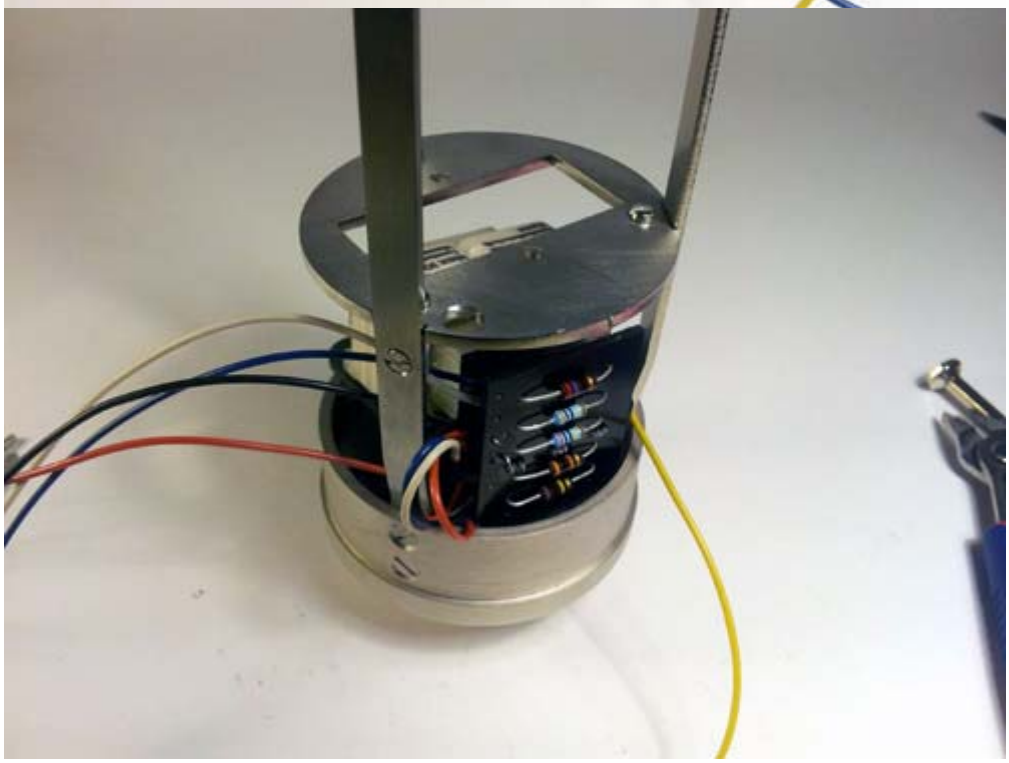


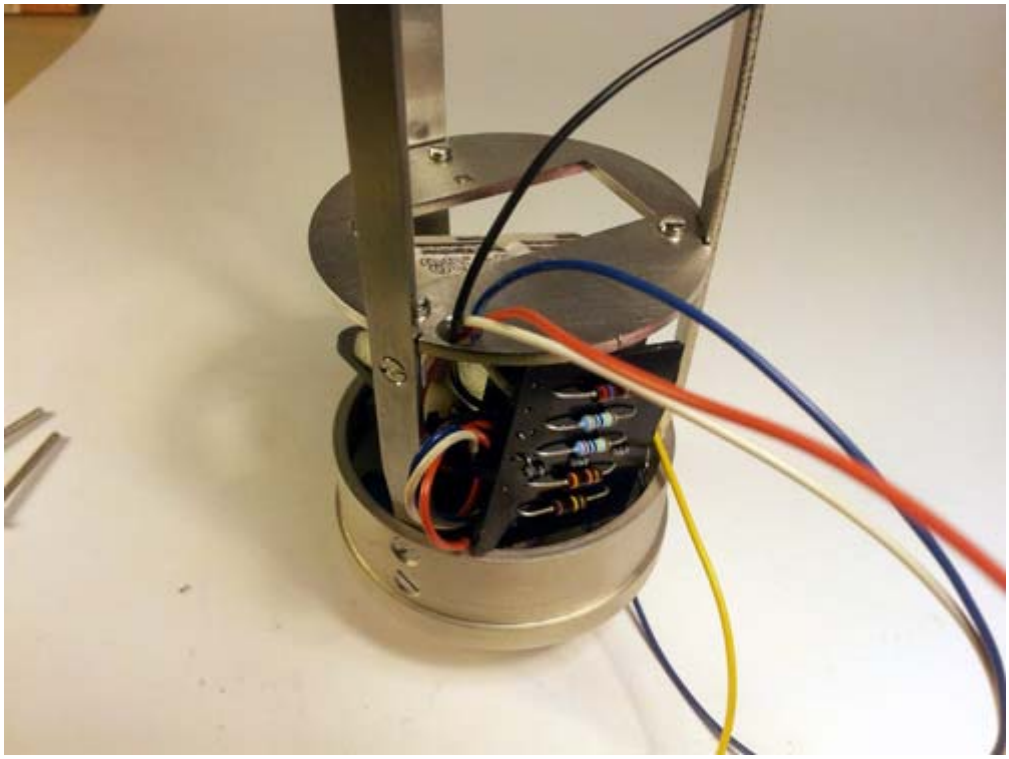


Before soldering the big capacitors it's time to mount the whole thing into the mic



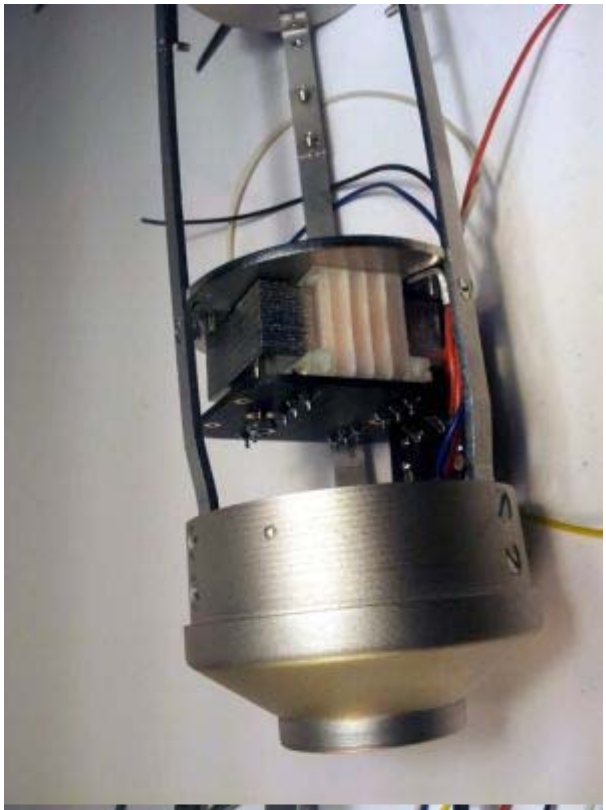


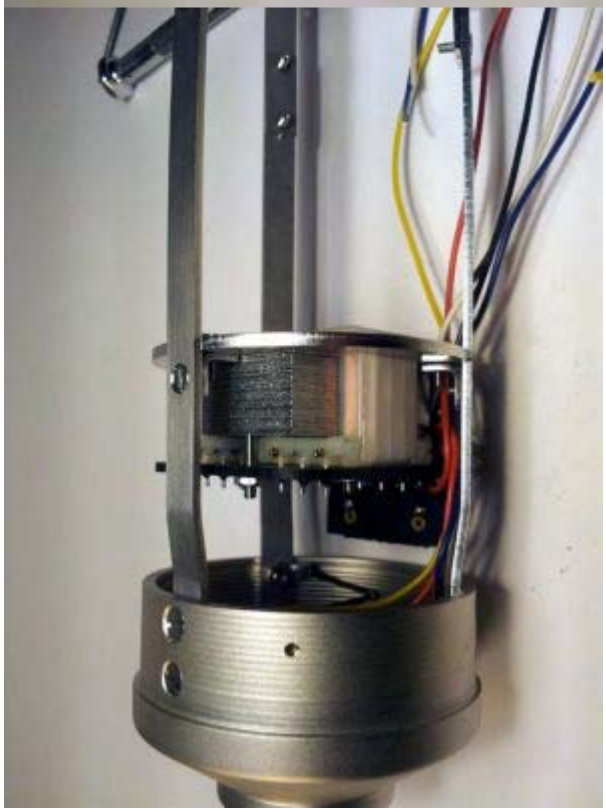




insert the screws and attach the nuts, do not overtighten!



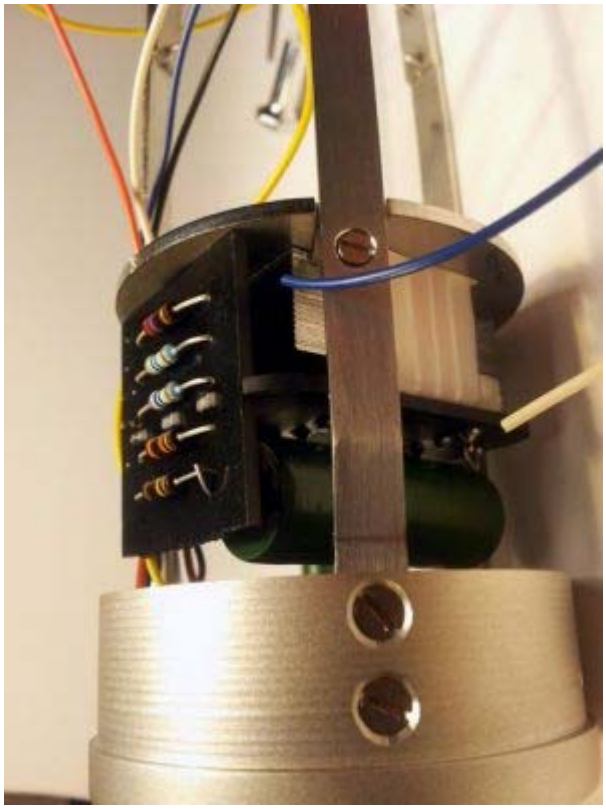


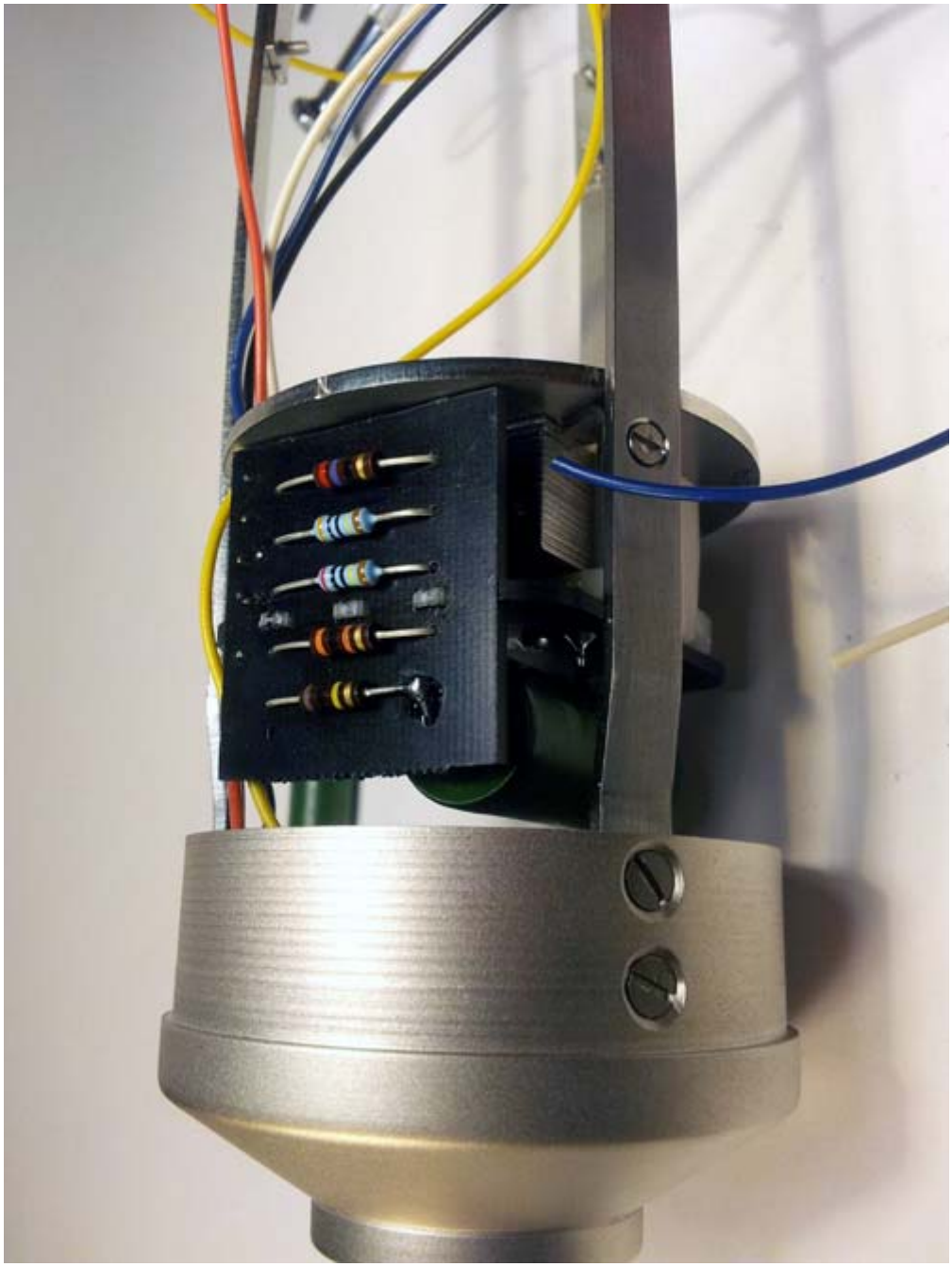


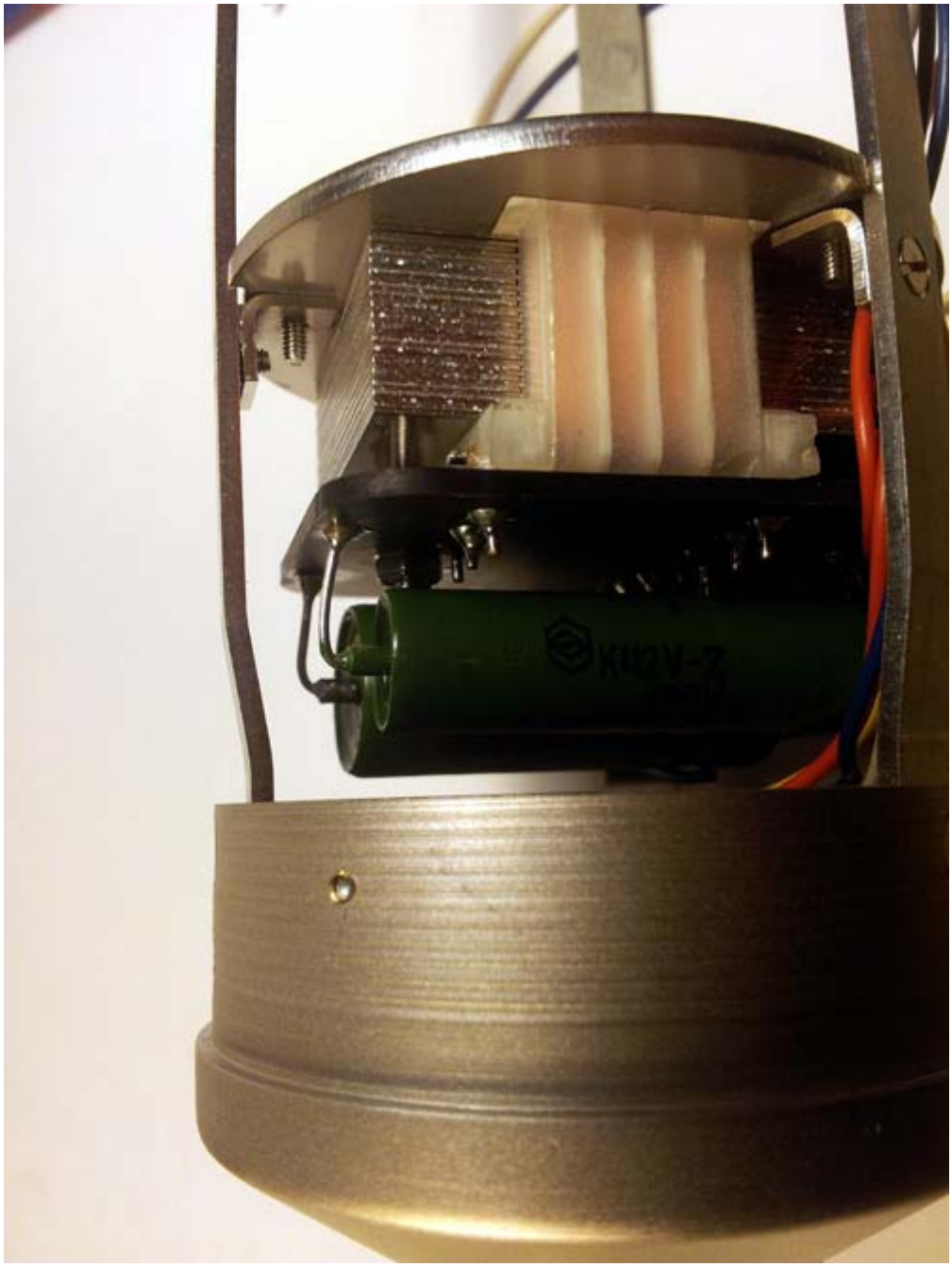
Place and solder the two green capacitors as shown





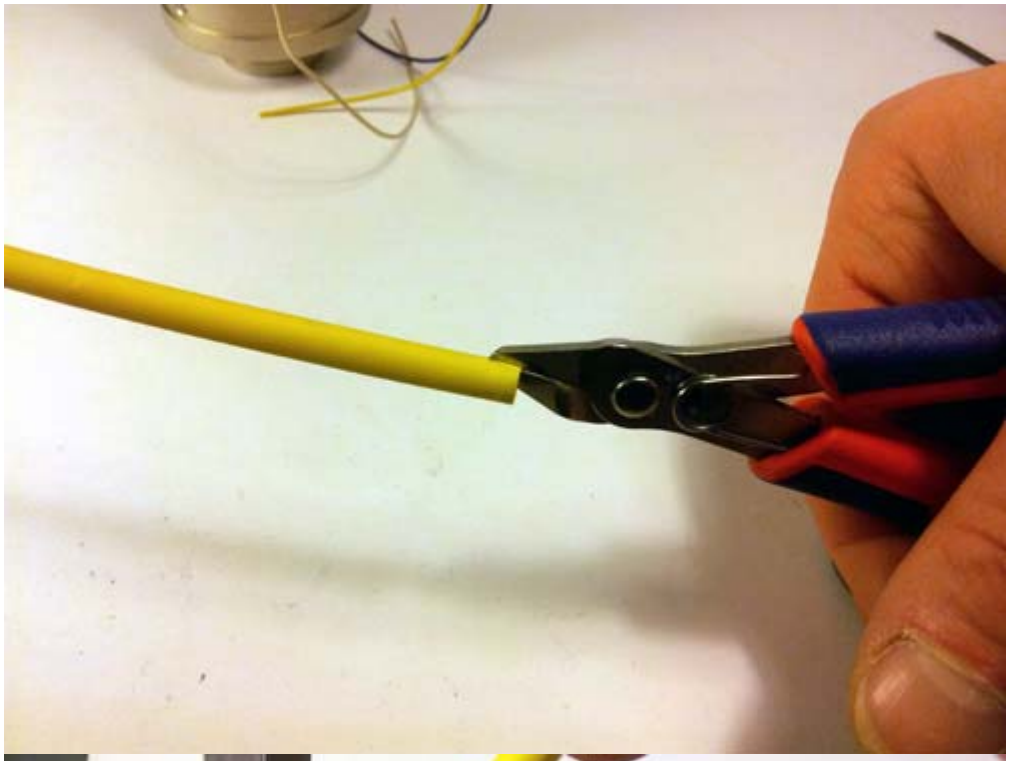


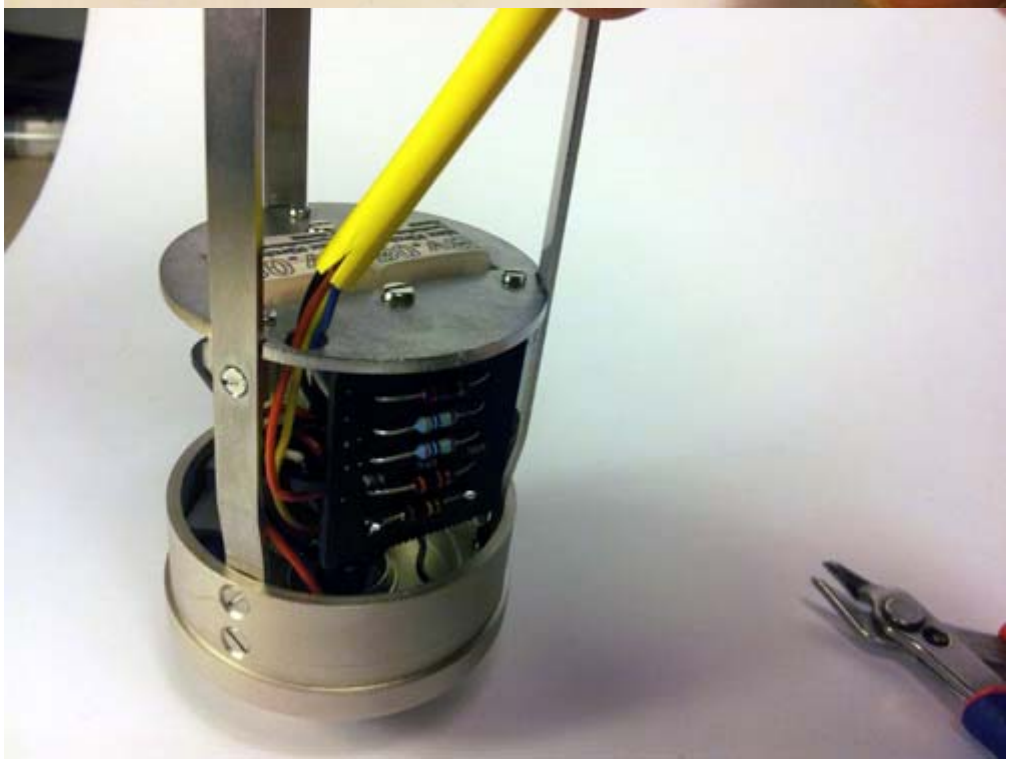



KU2V-2



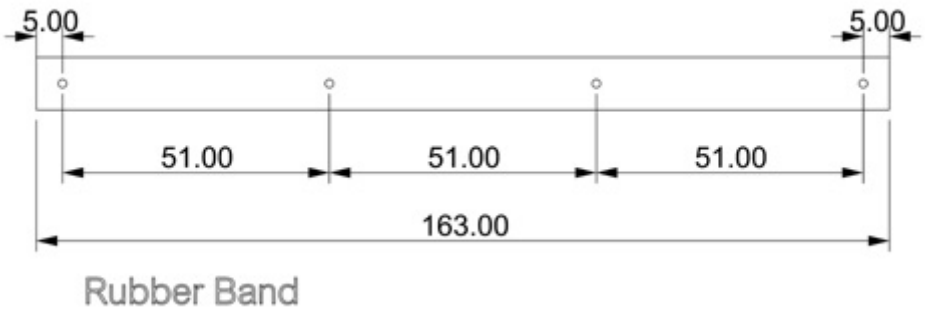
The yellow sleeve will be cut like this to fir through the hole







Carefully cut and drill (pierce) the rubber band as according to this measurements





unscrew these parts



mount the tube sockets, check for orientation!







bend and add a solder lug



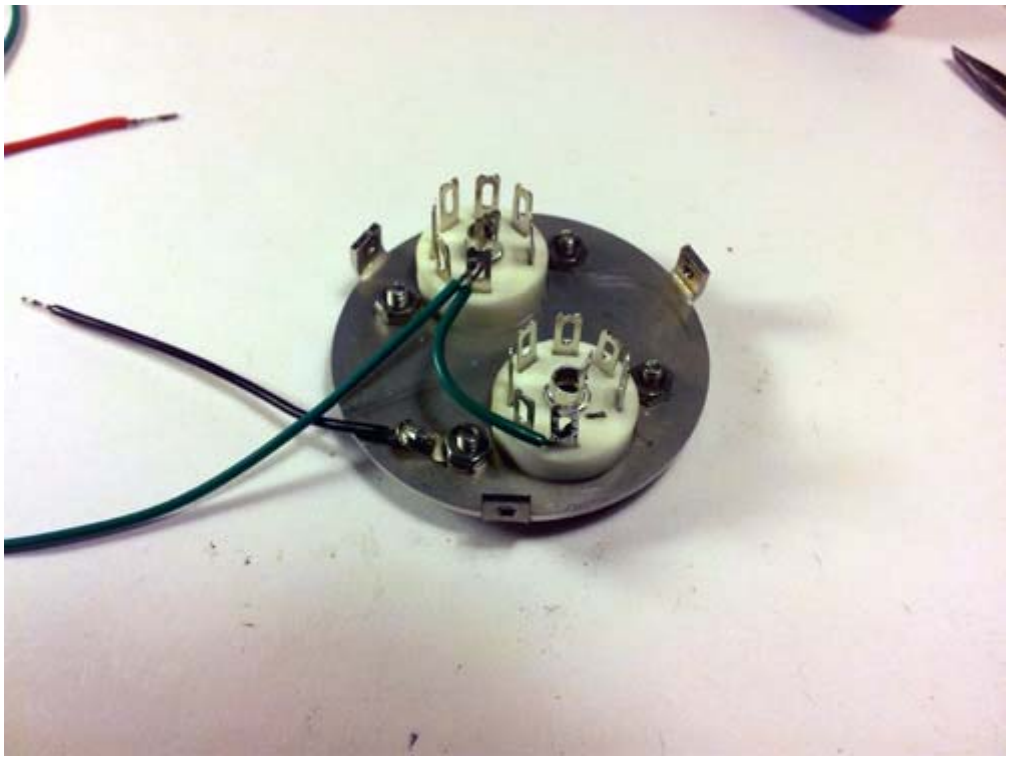


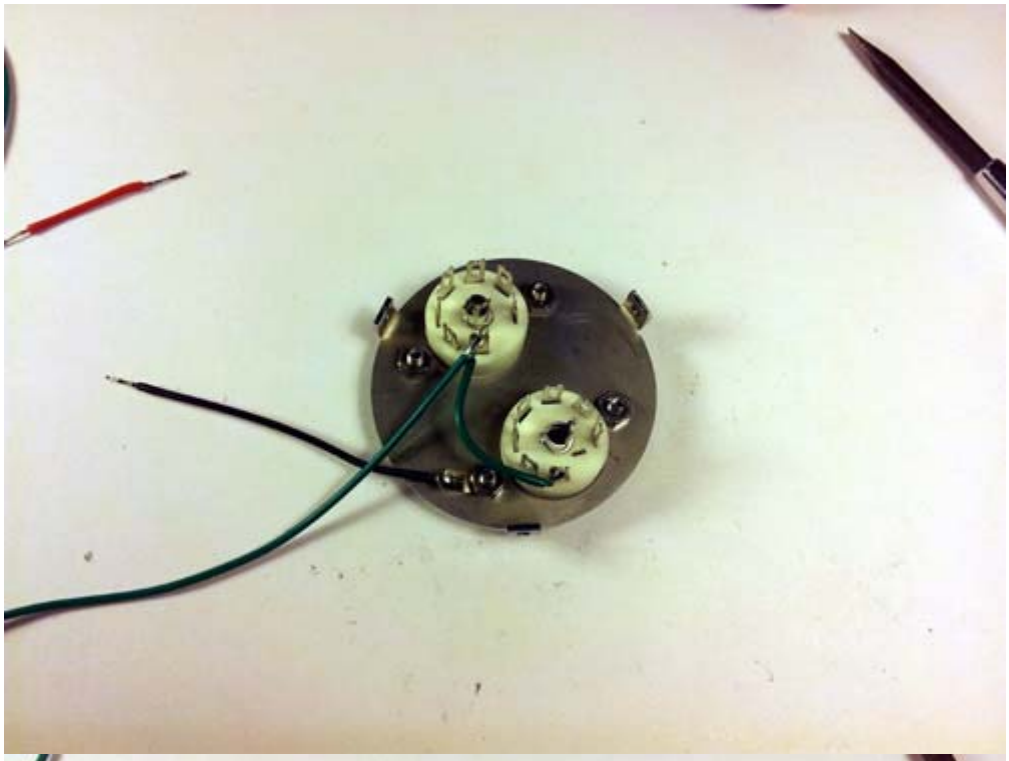


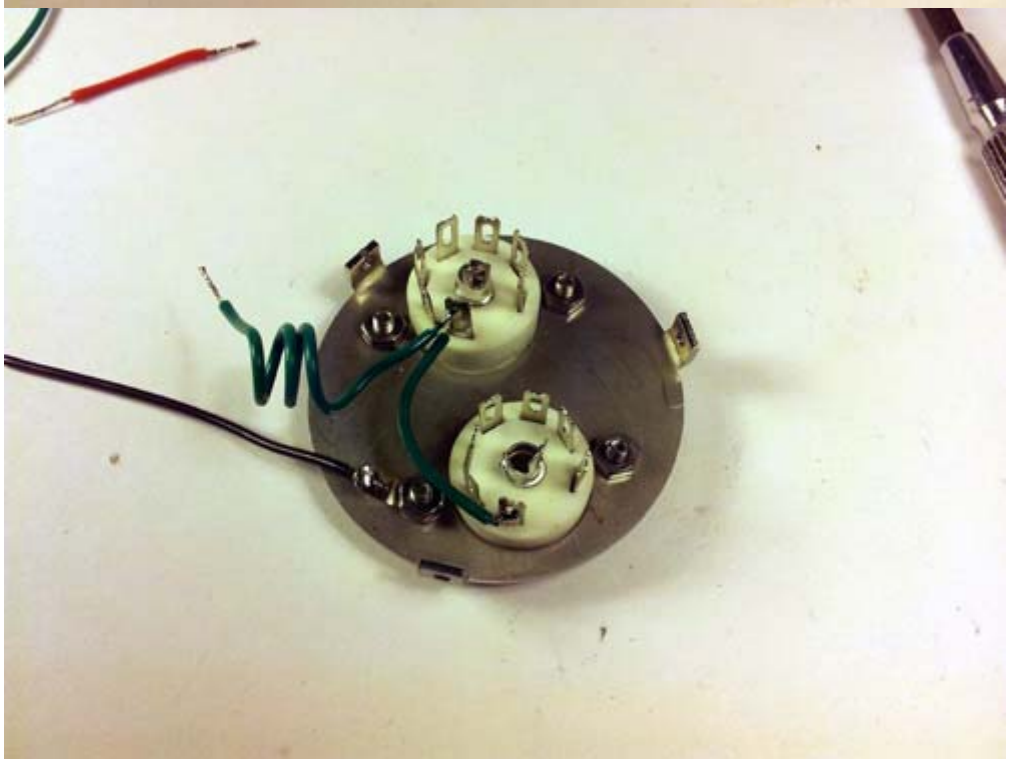
attach and solder short black wire

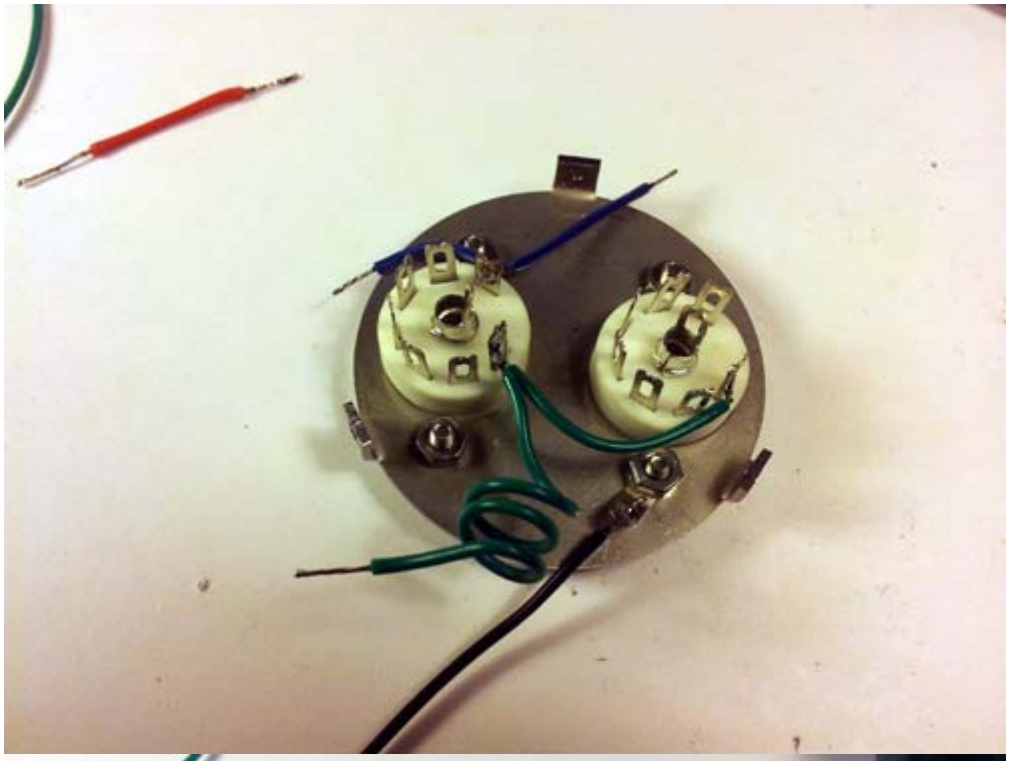


Wire up as shown

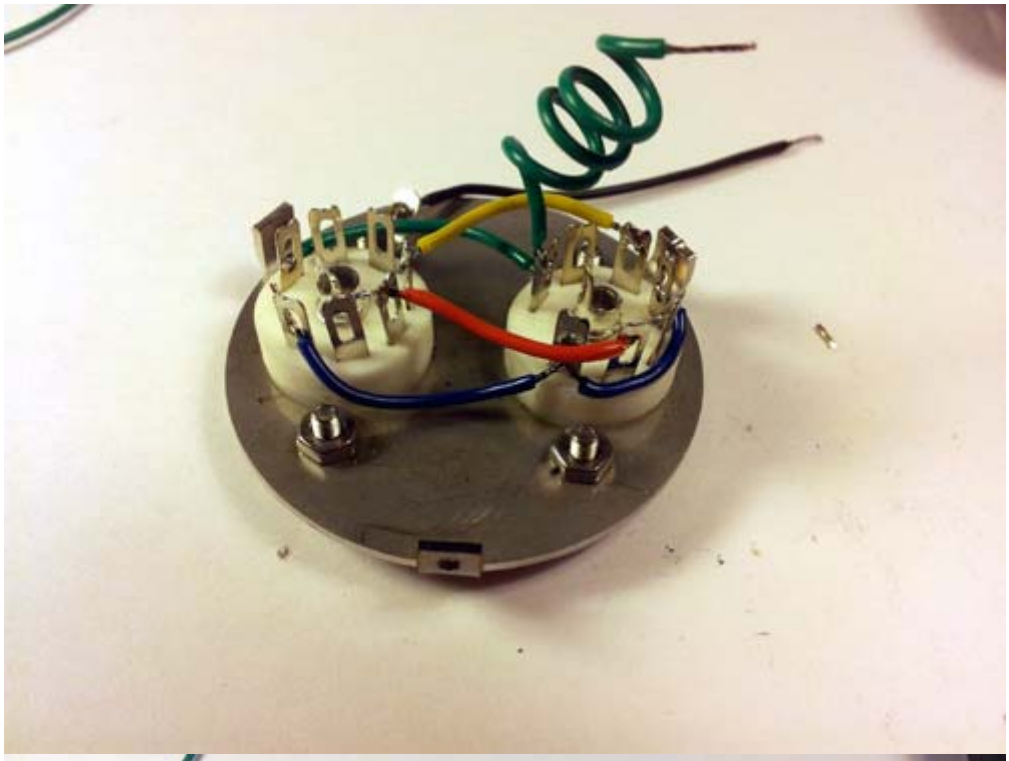


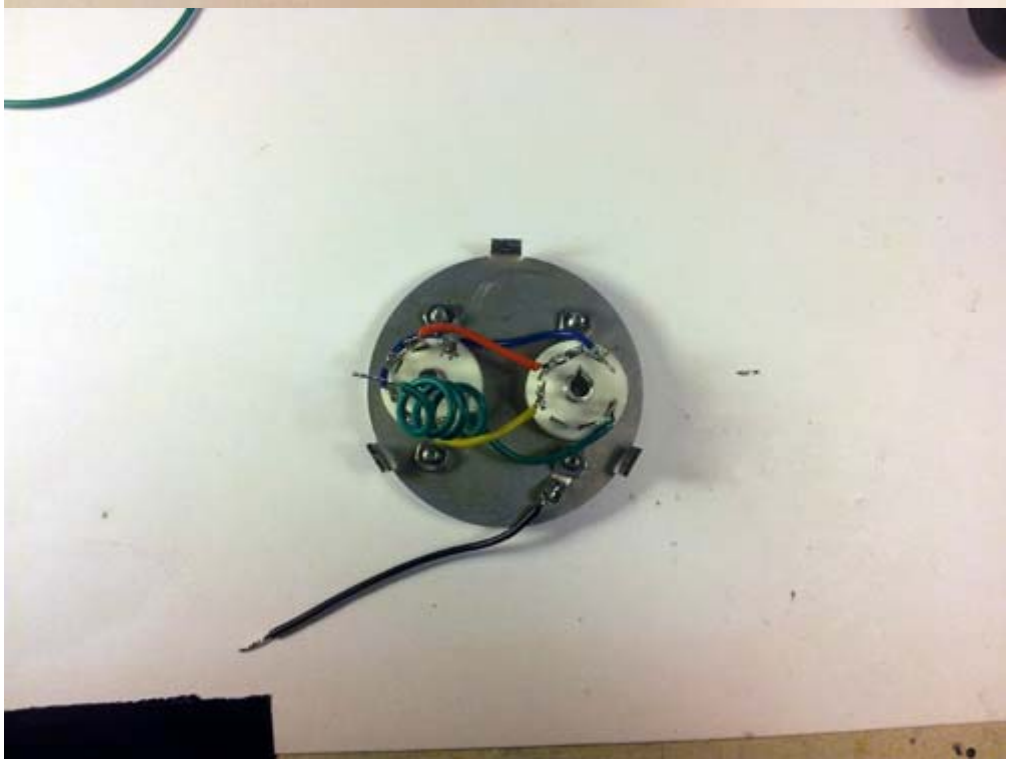




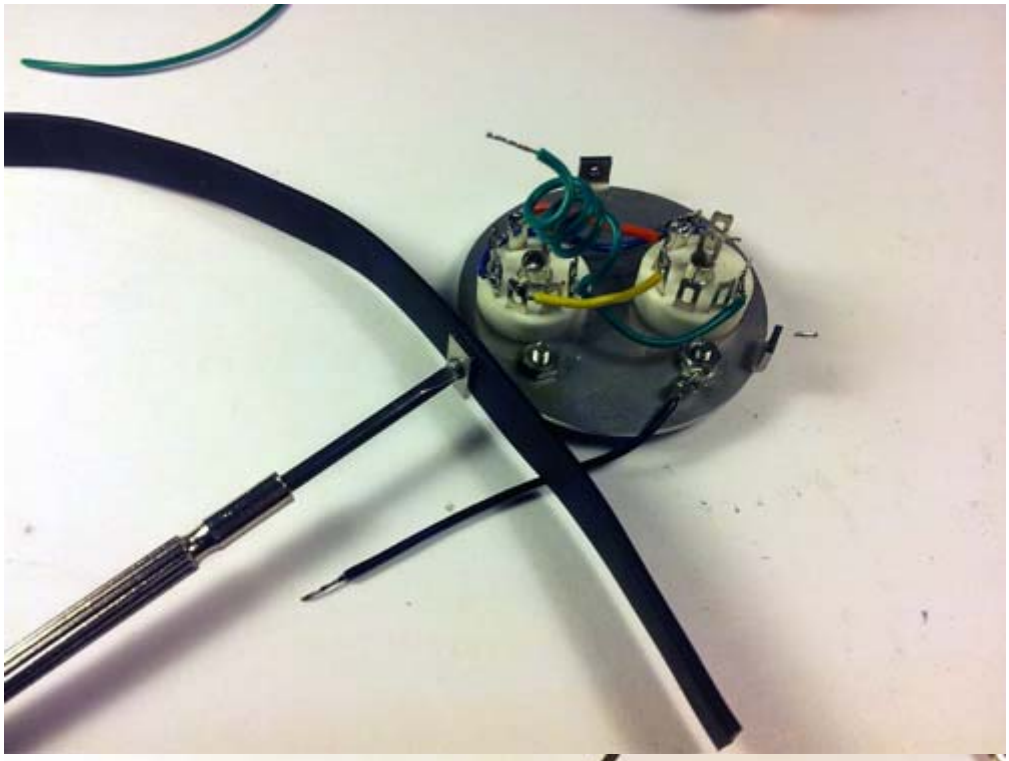


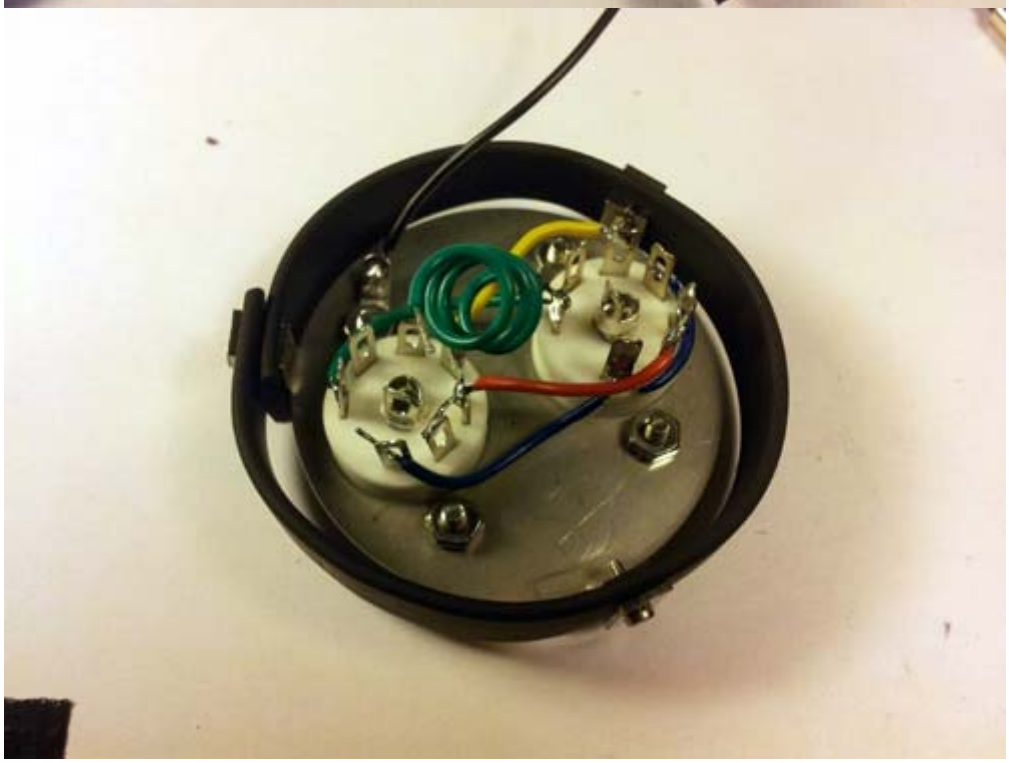




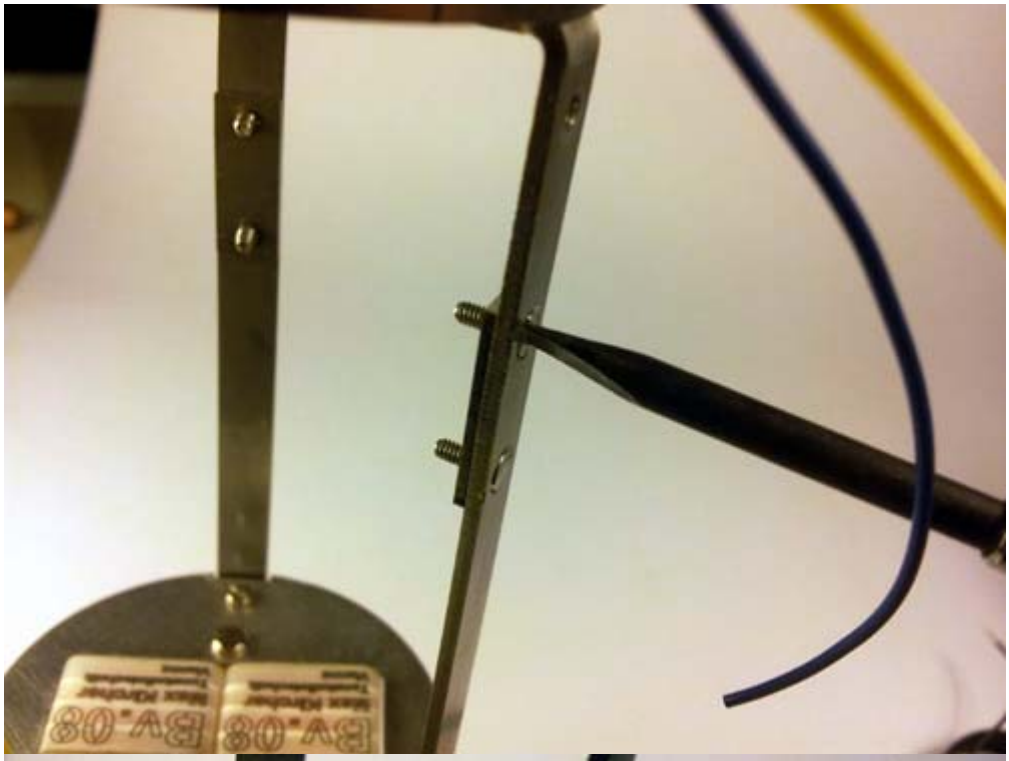


attach the rubber band



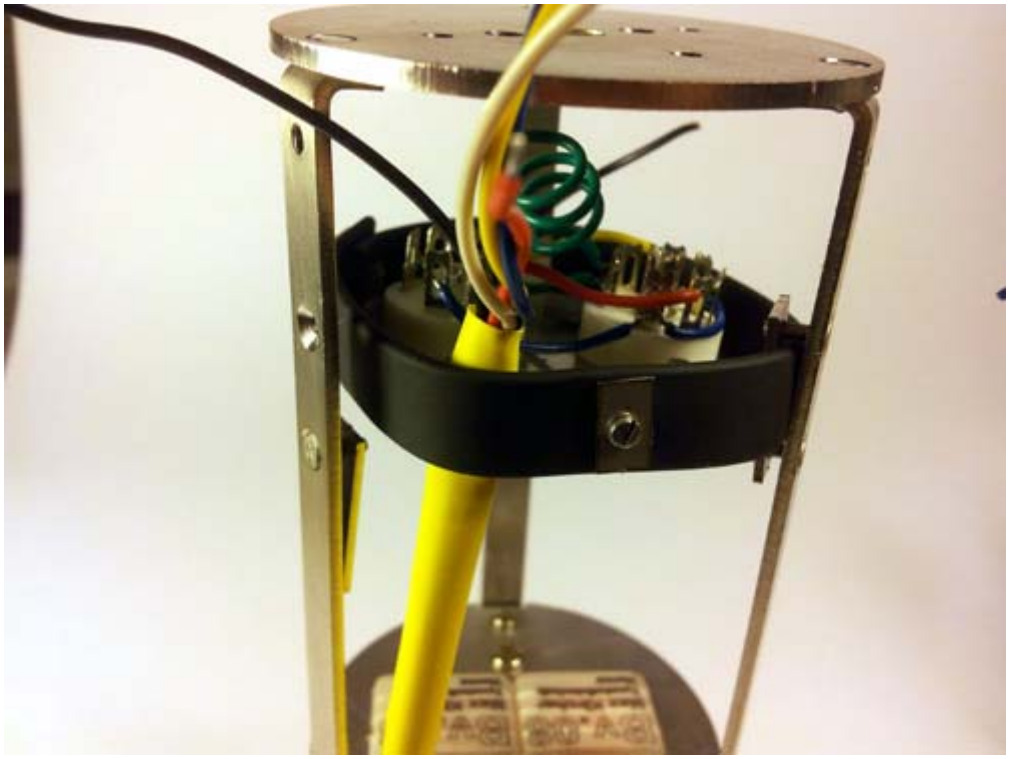


mounting the tube deck

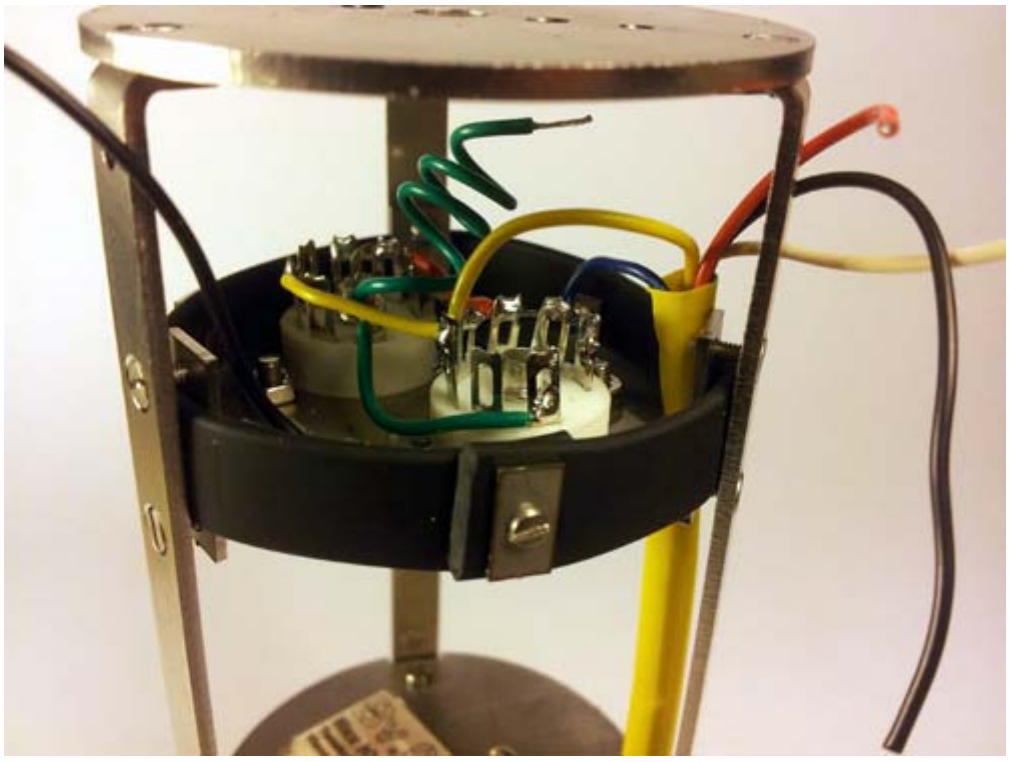


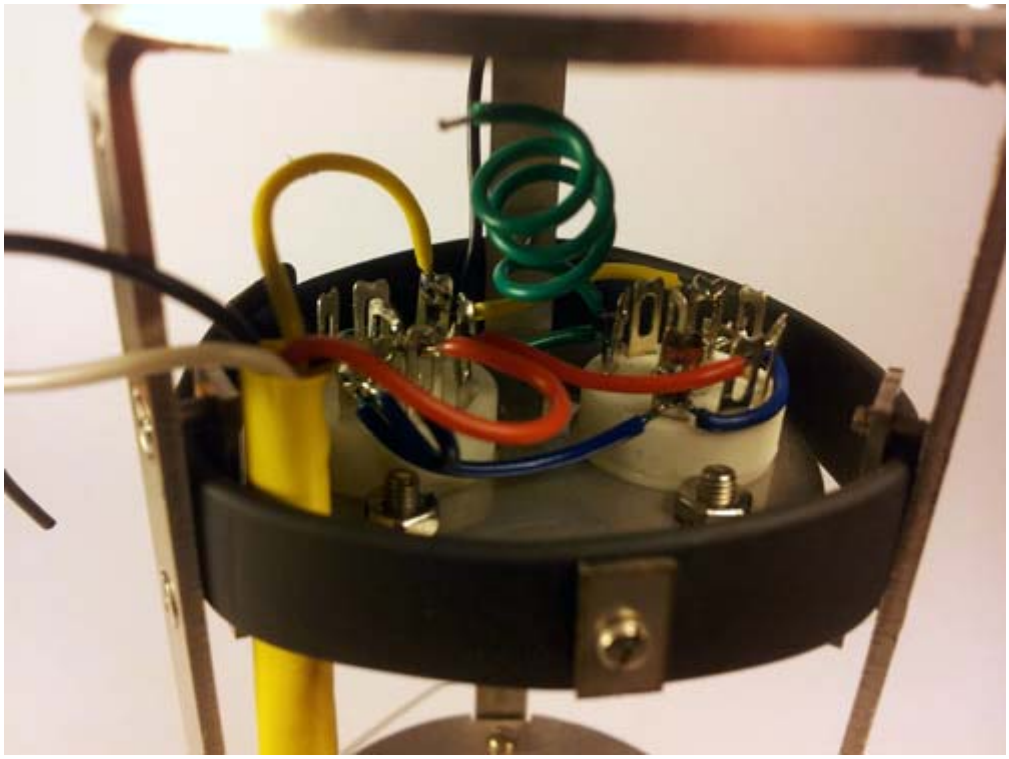


feed through the wire sleeve

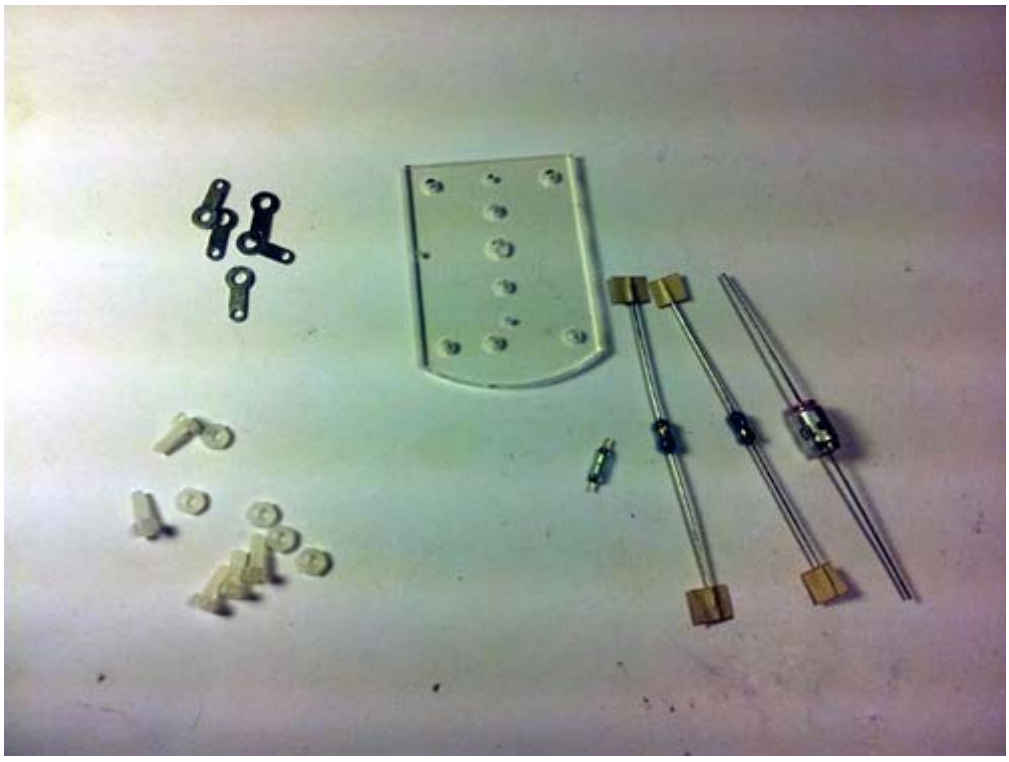


attach the yellow, red and blue wire to the corresponding pins

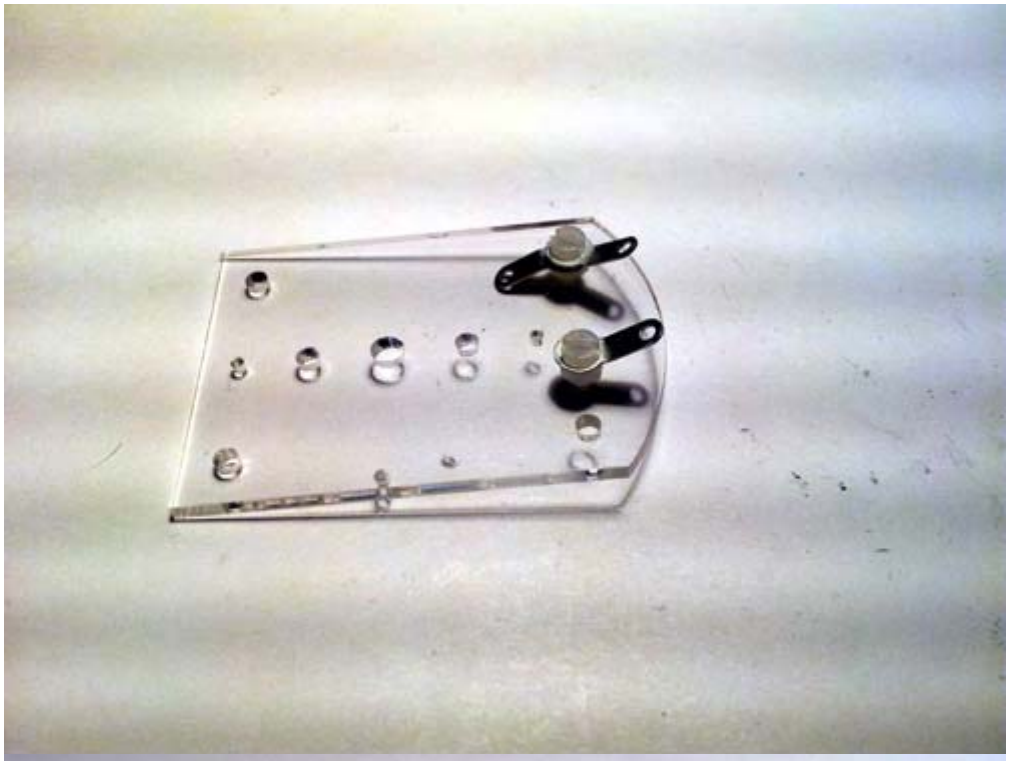


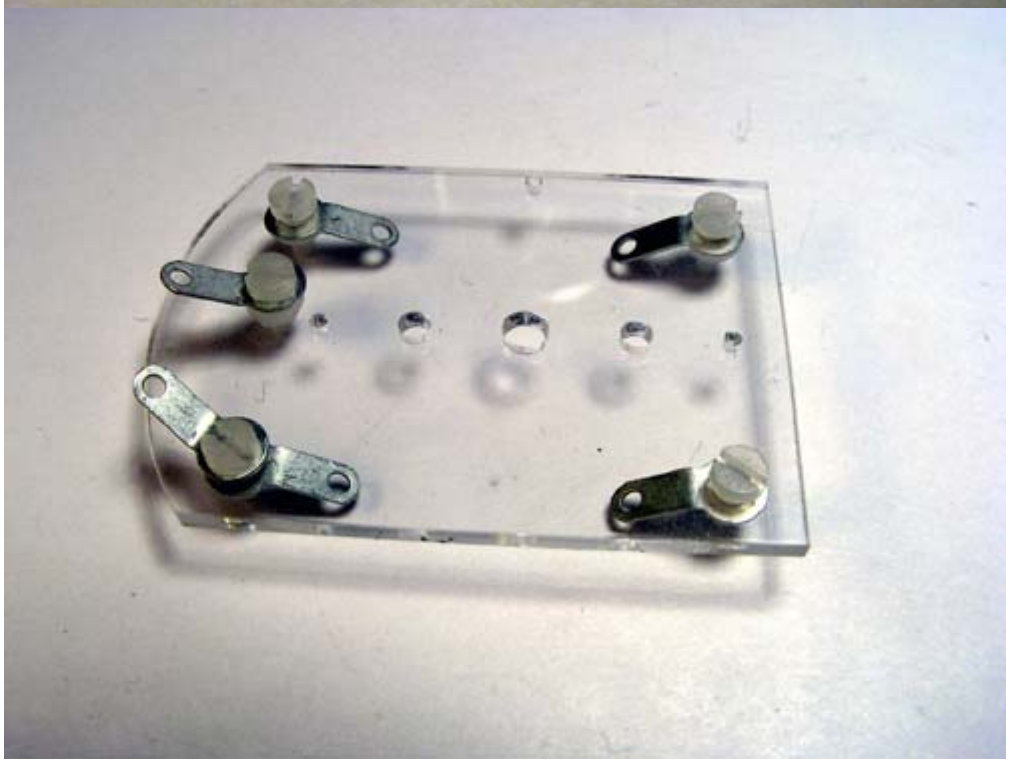


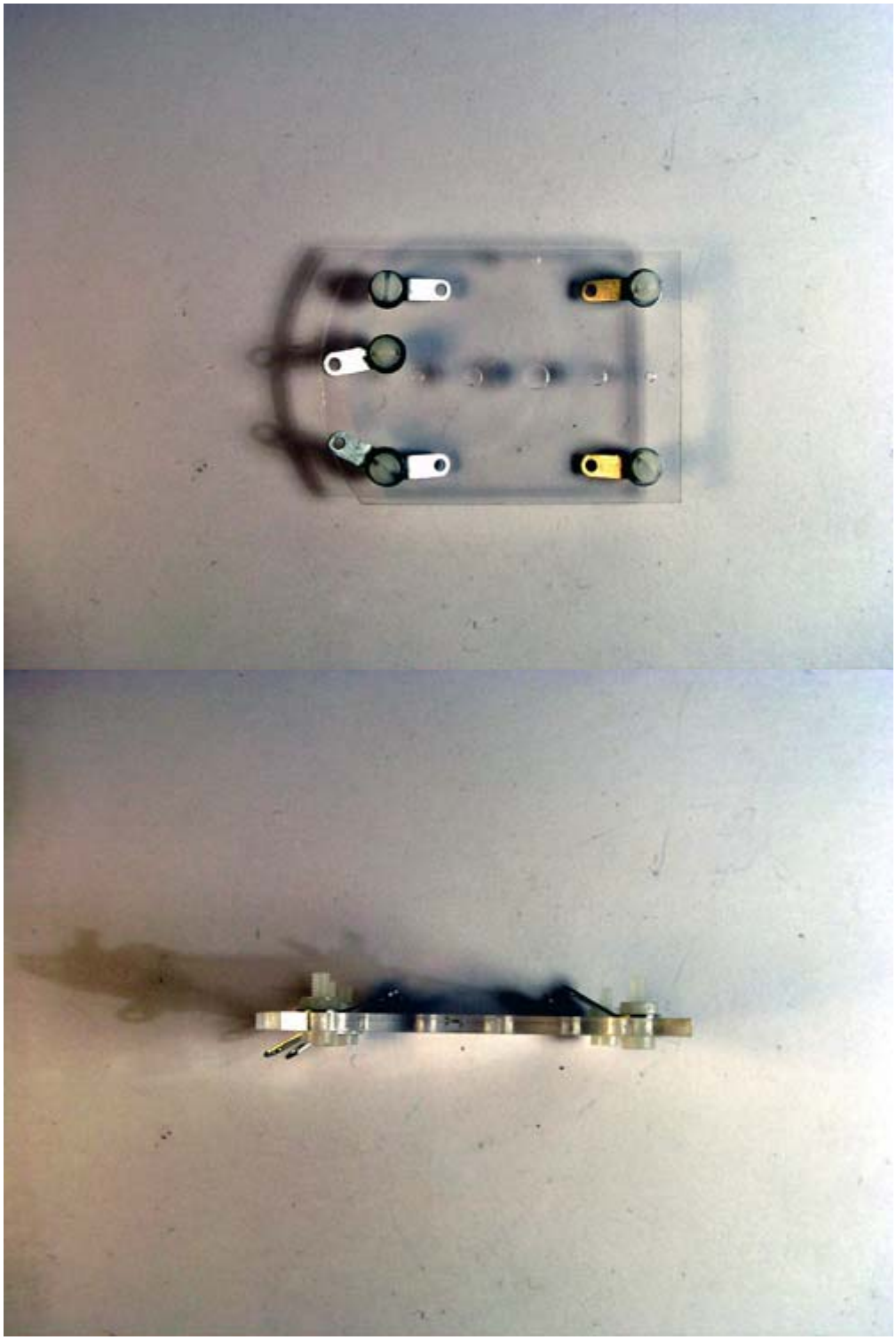
Be careful with overheating when building the highZ portion of the circuit



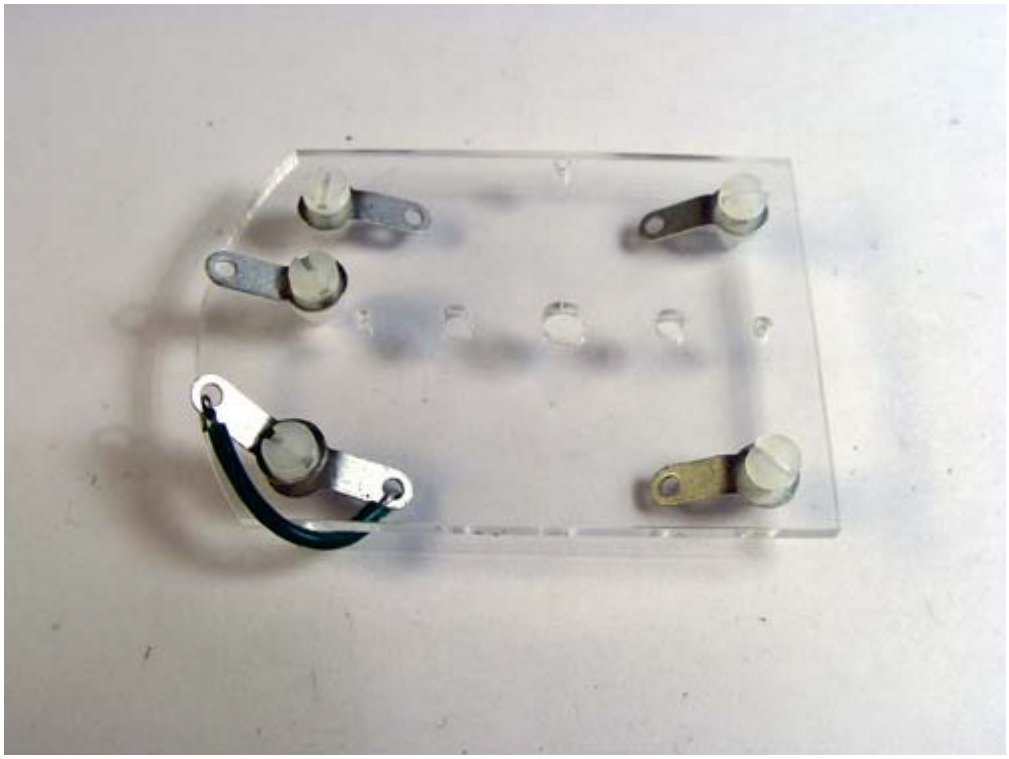
bend and place the solder lugs as shown



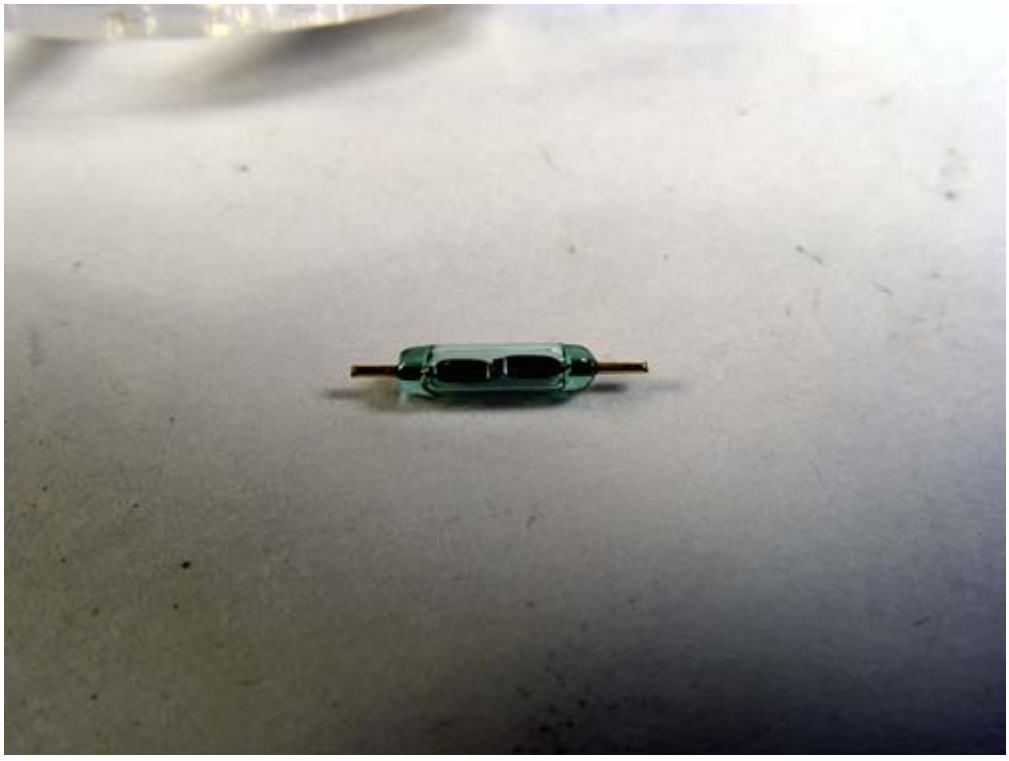


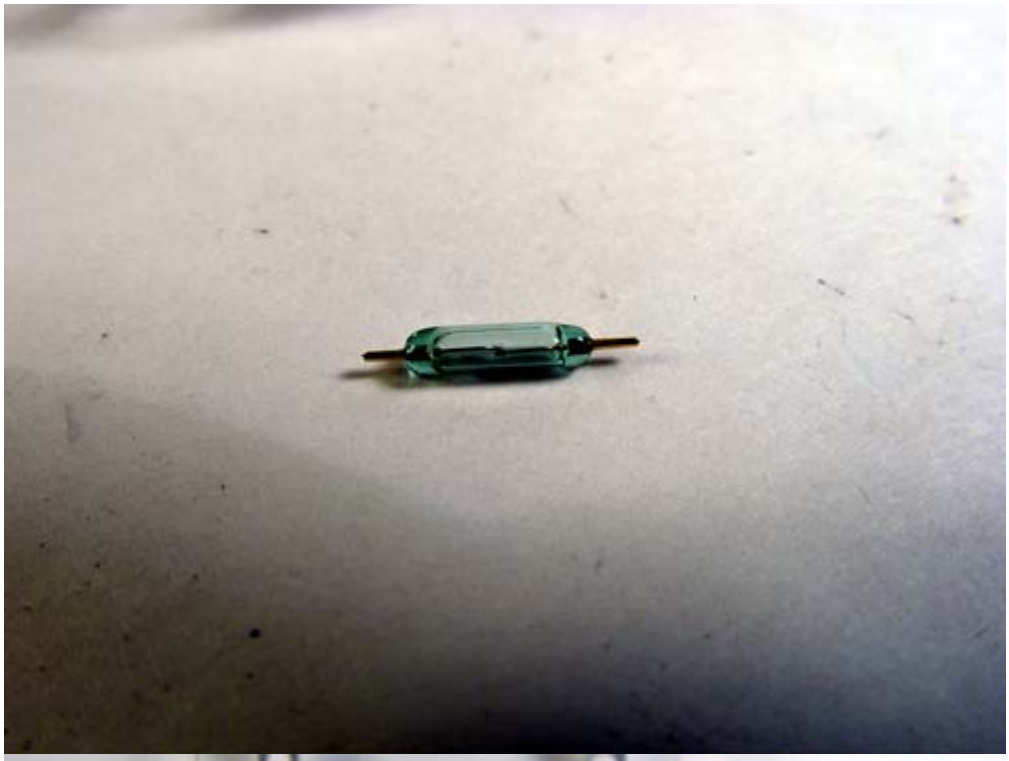


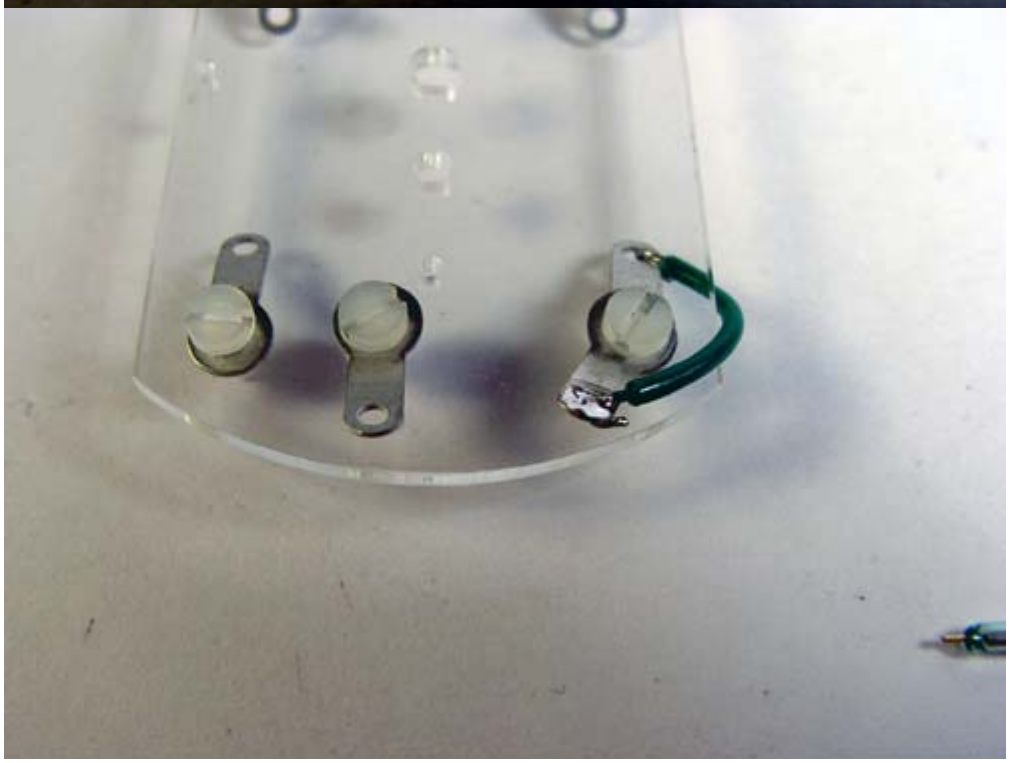
a small wire bridge, do not solder yet



the reed contact must be oriented and placed carefully

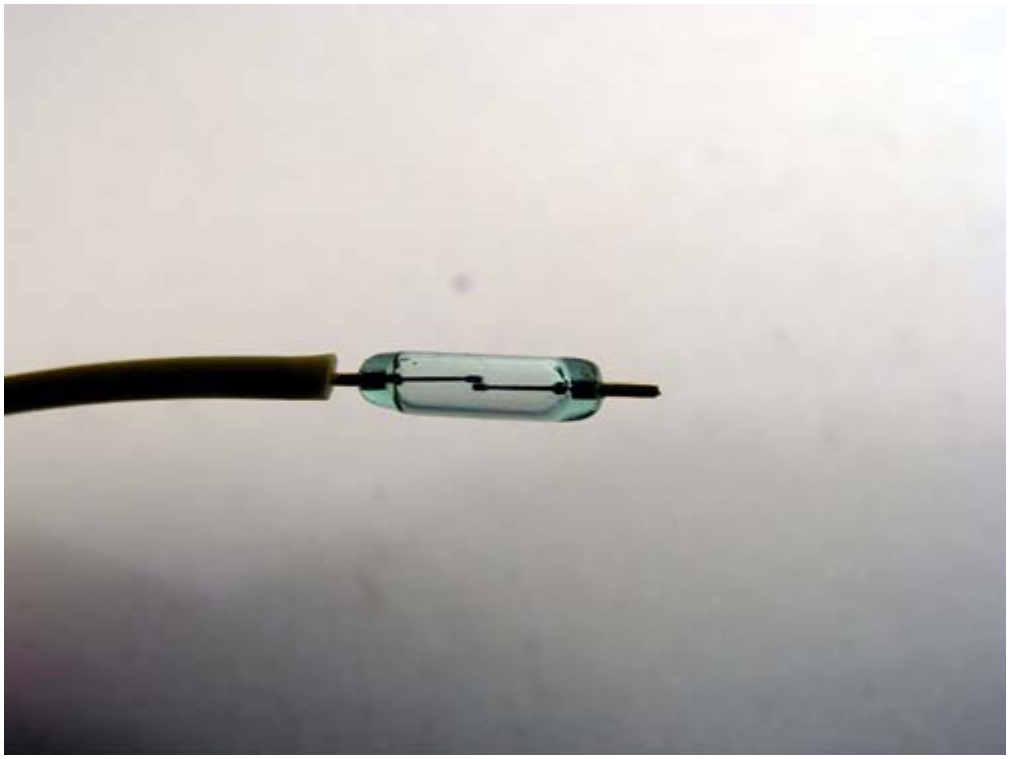




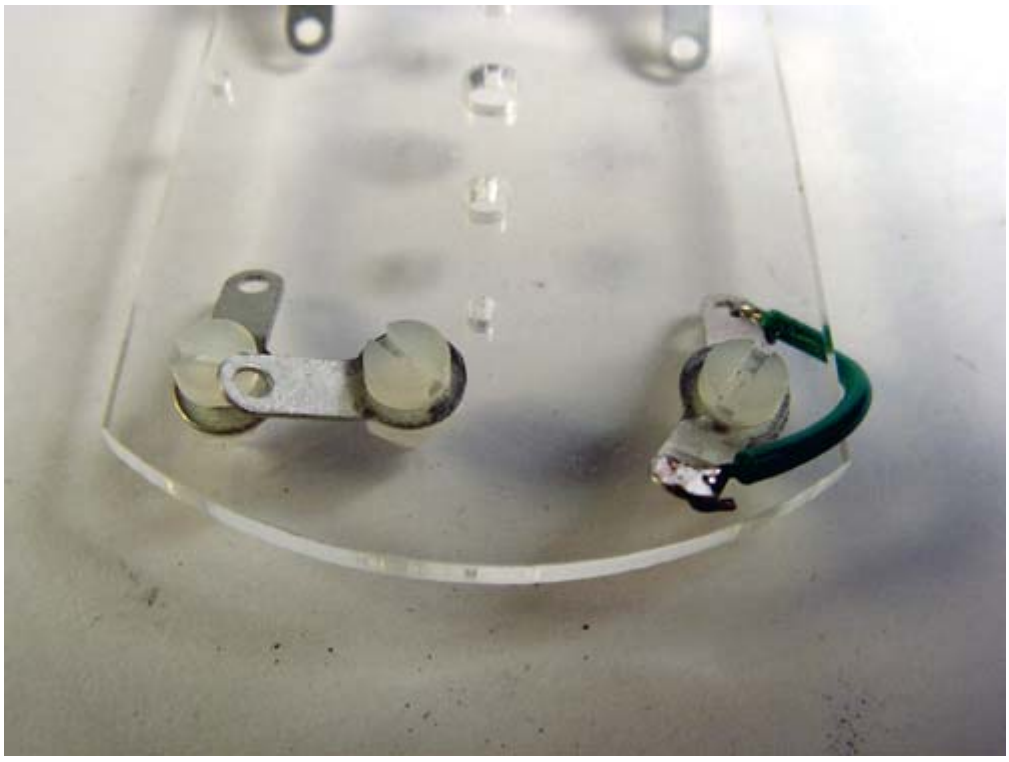


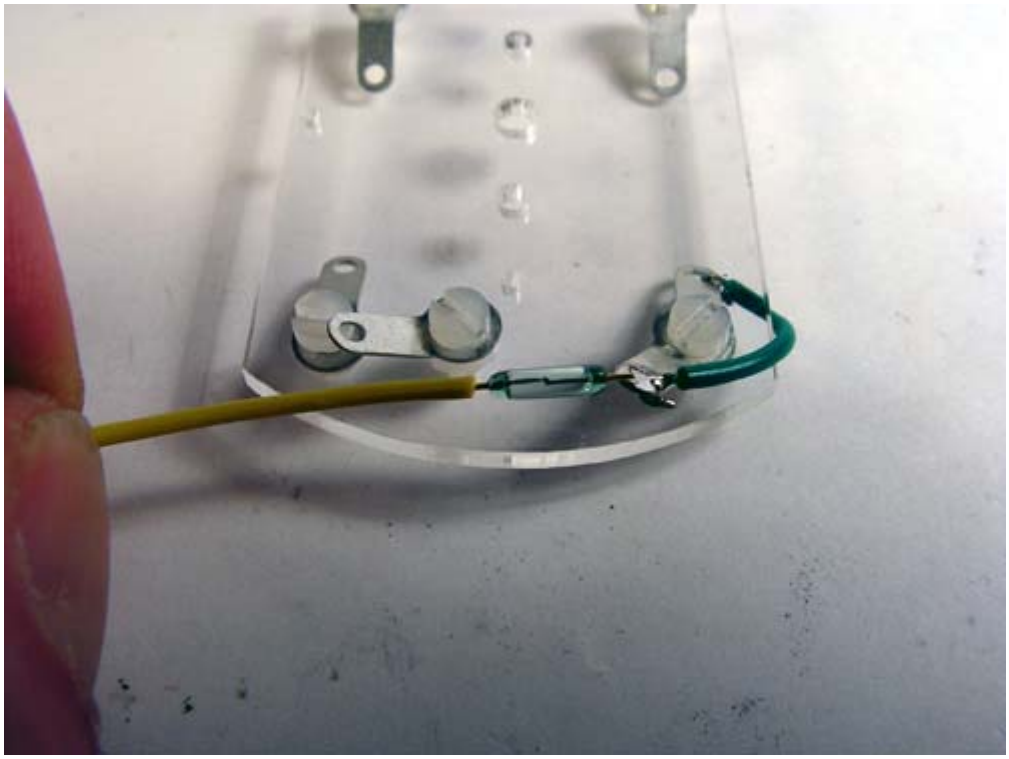
do not bend the contact after soldering or i will break

you can hold the tiny contact like this for placement

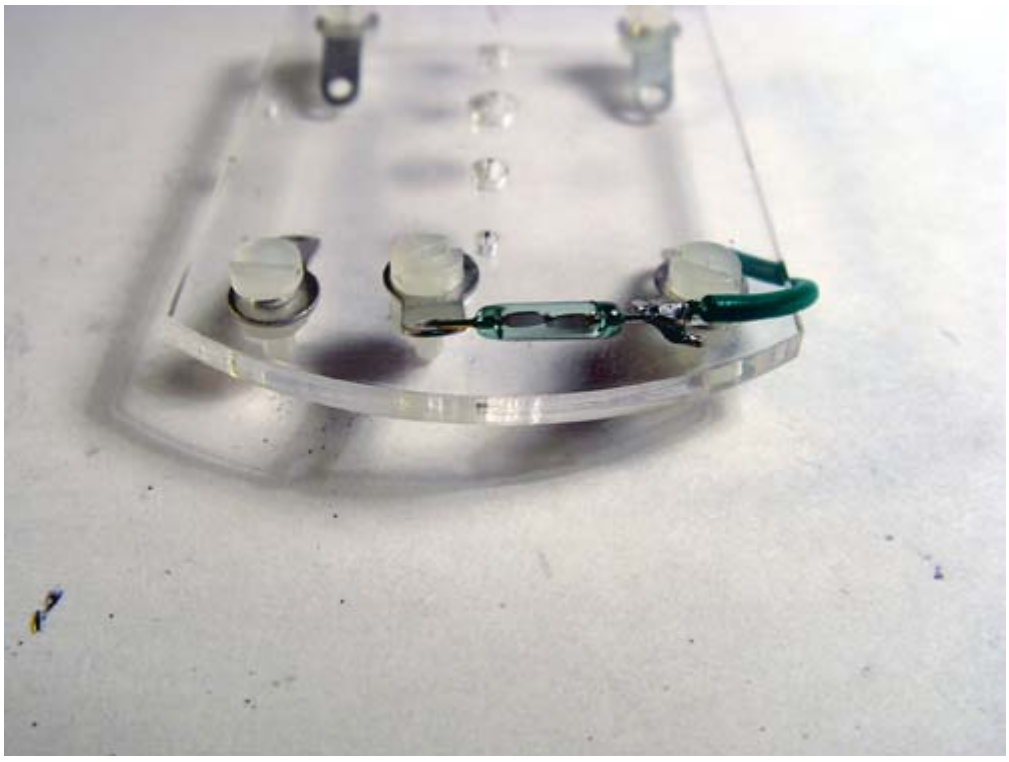


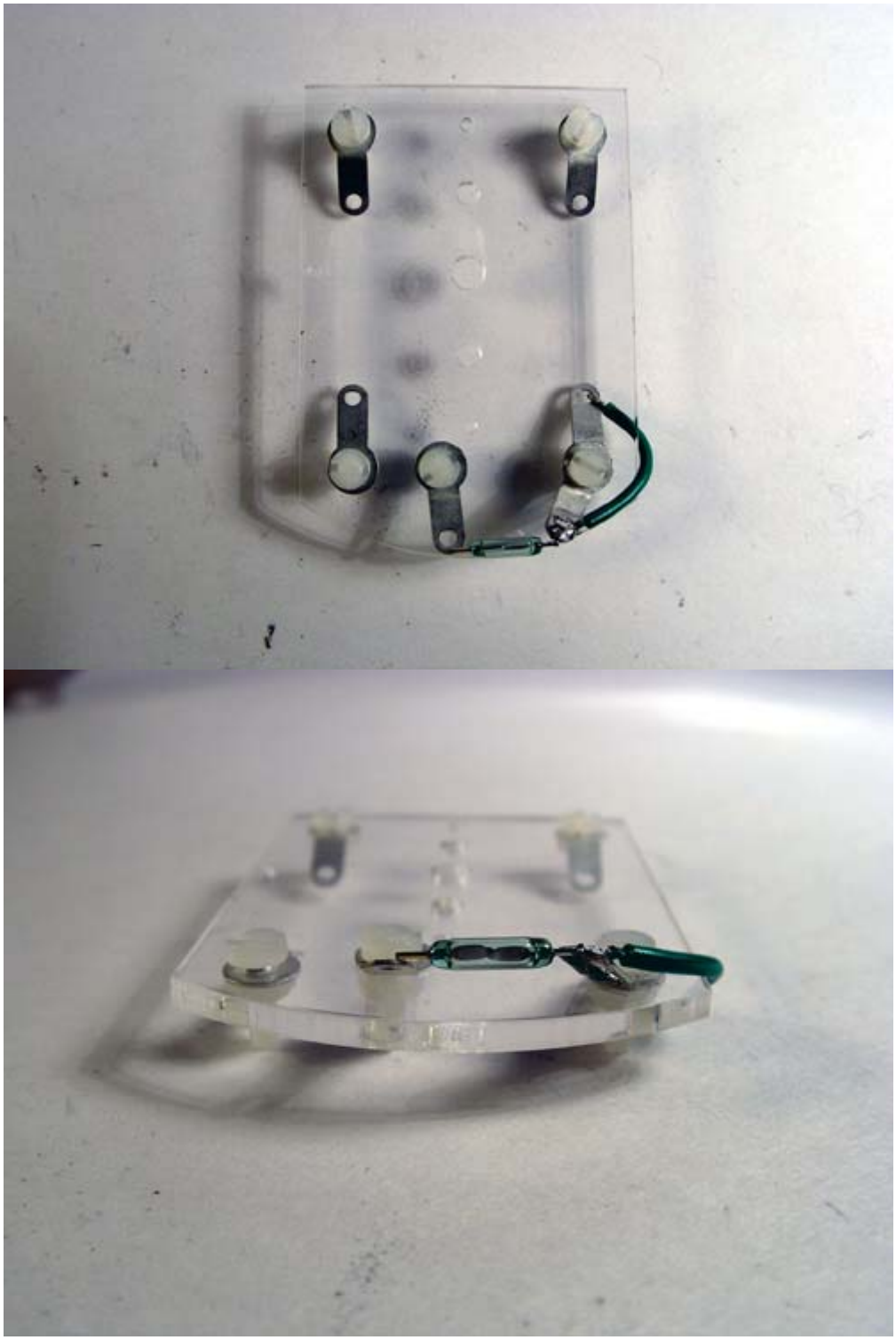
to have free access, slide the middle lug away



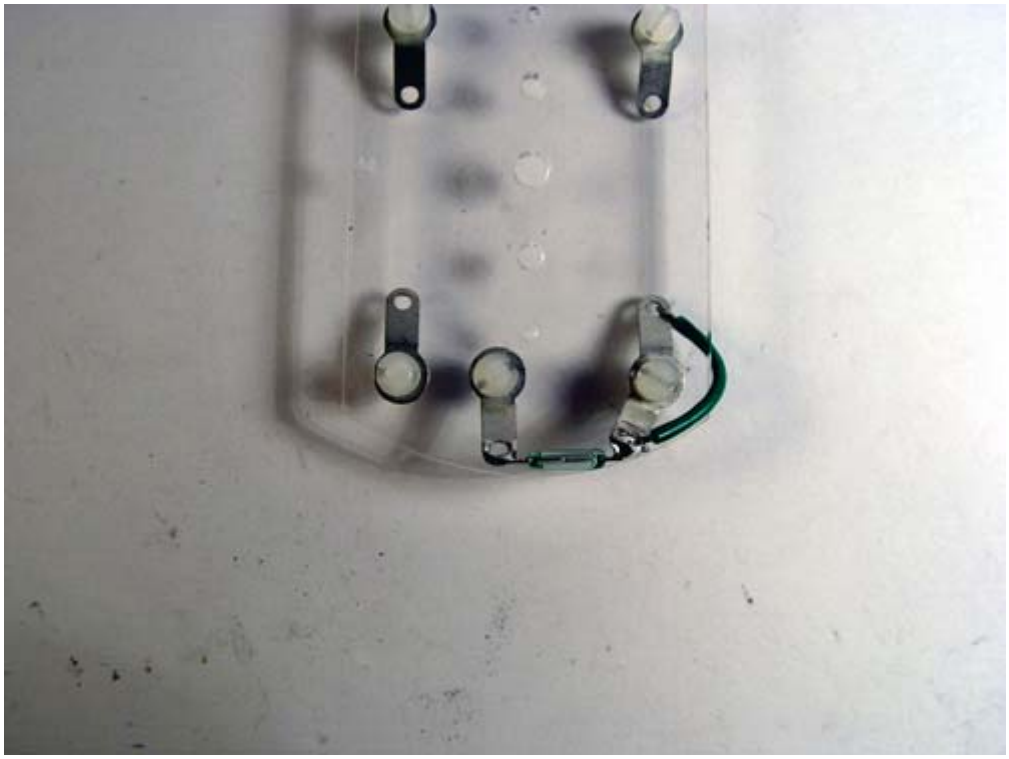


the contacts inside the glass envelope must be oriented this way

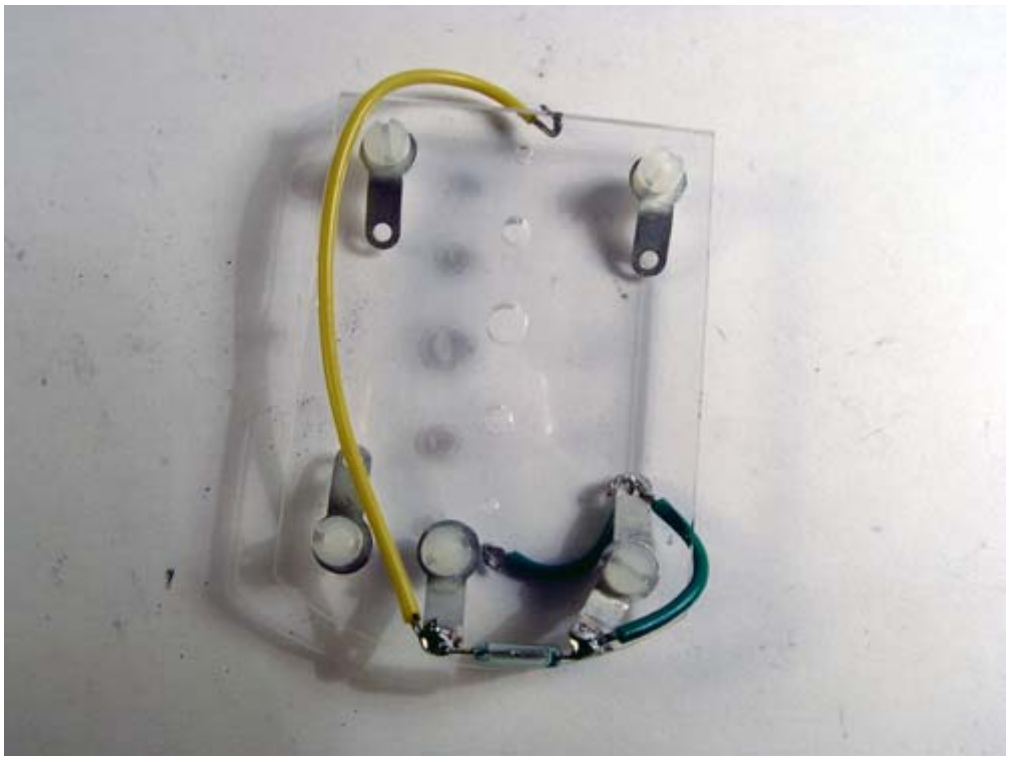


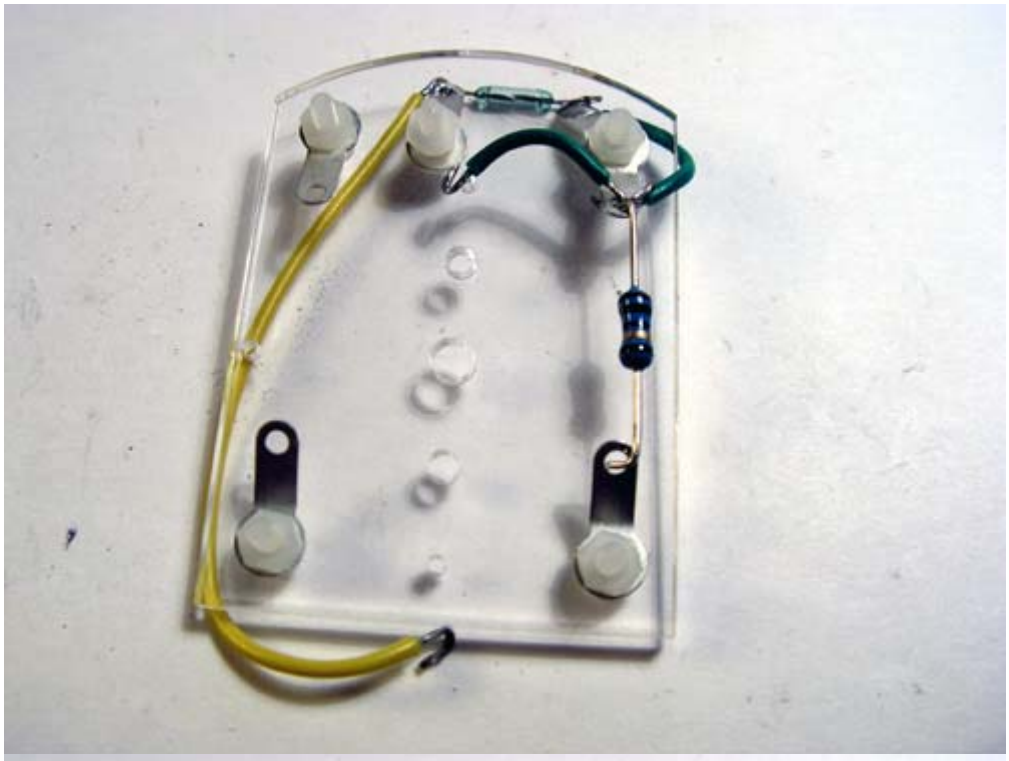


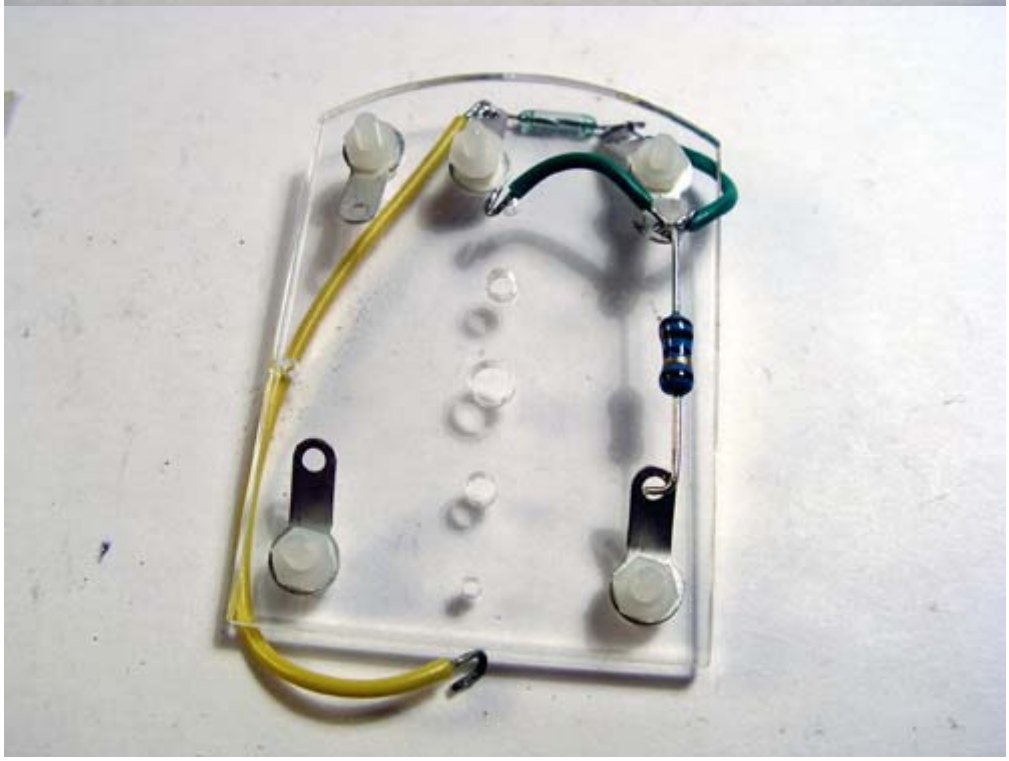
solder second side only after orientation is correct

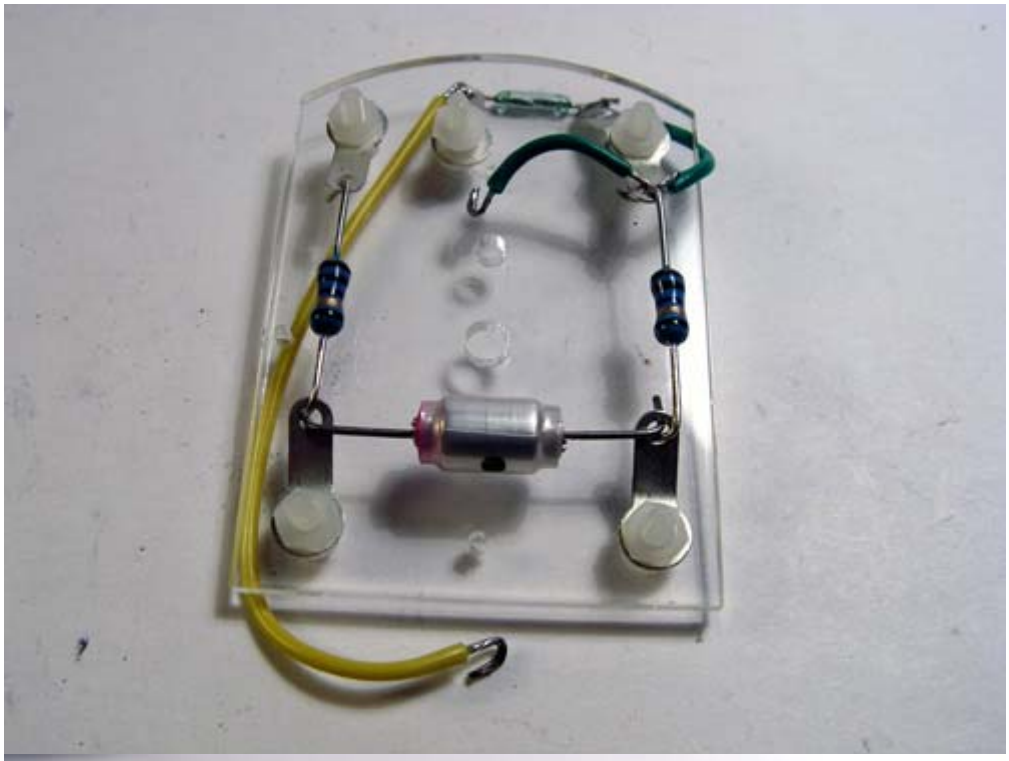


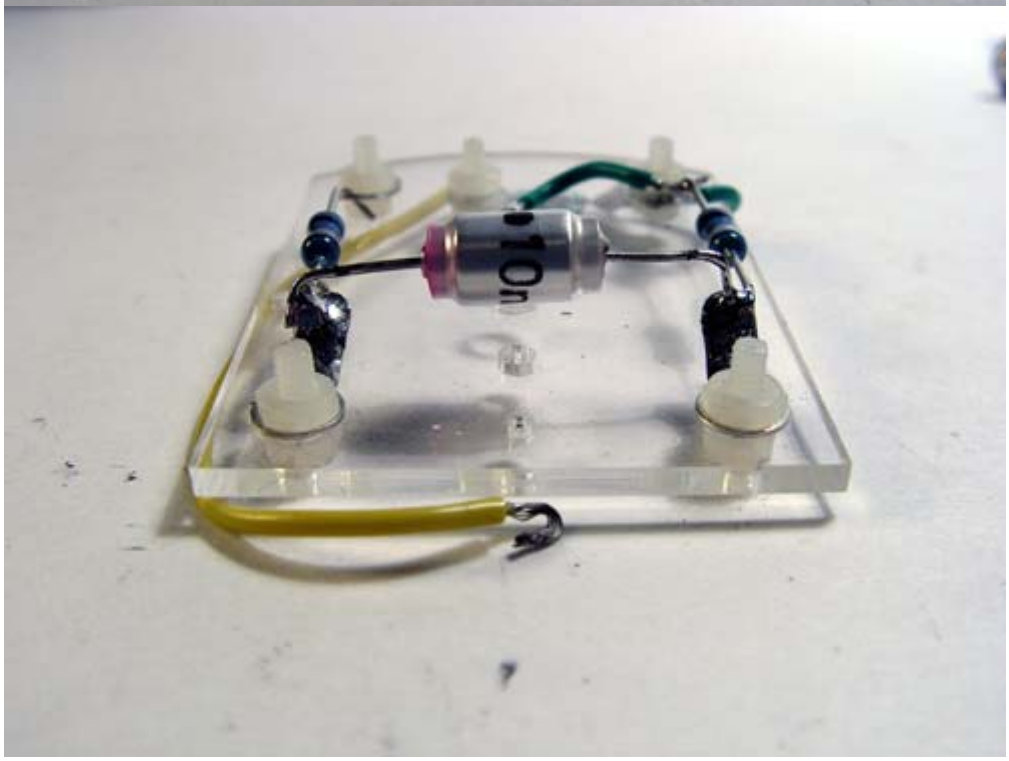
more wire bridges and placing parts, place everything before soldering, solder quickly







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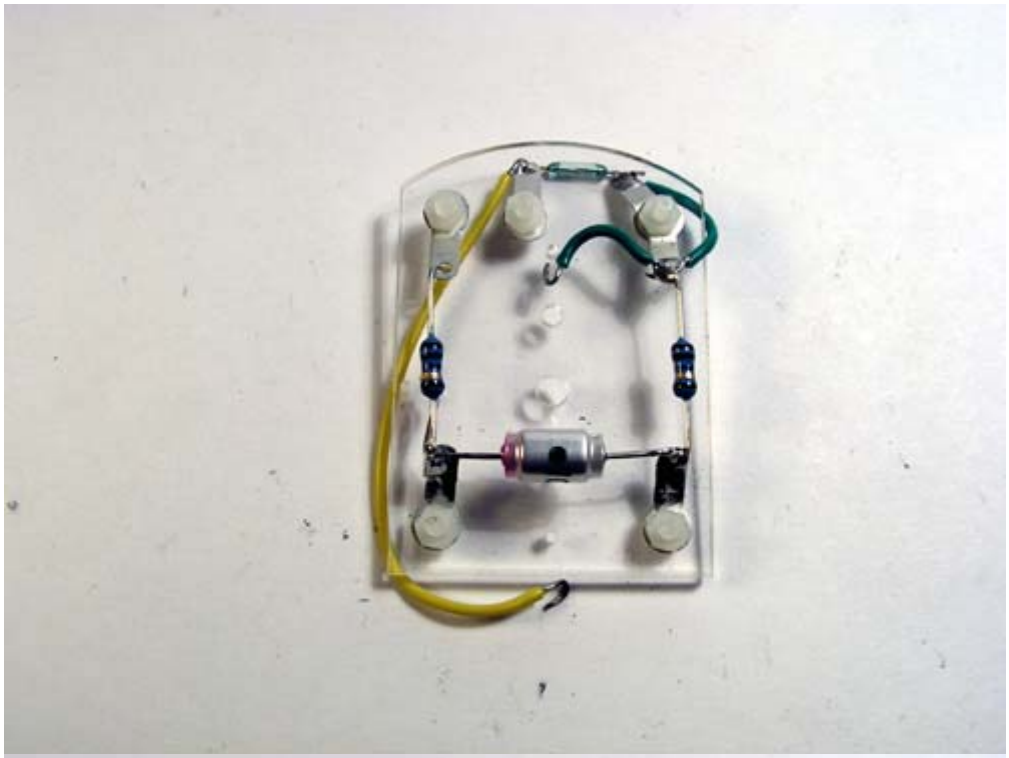
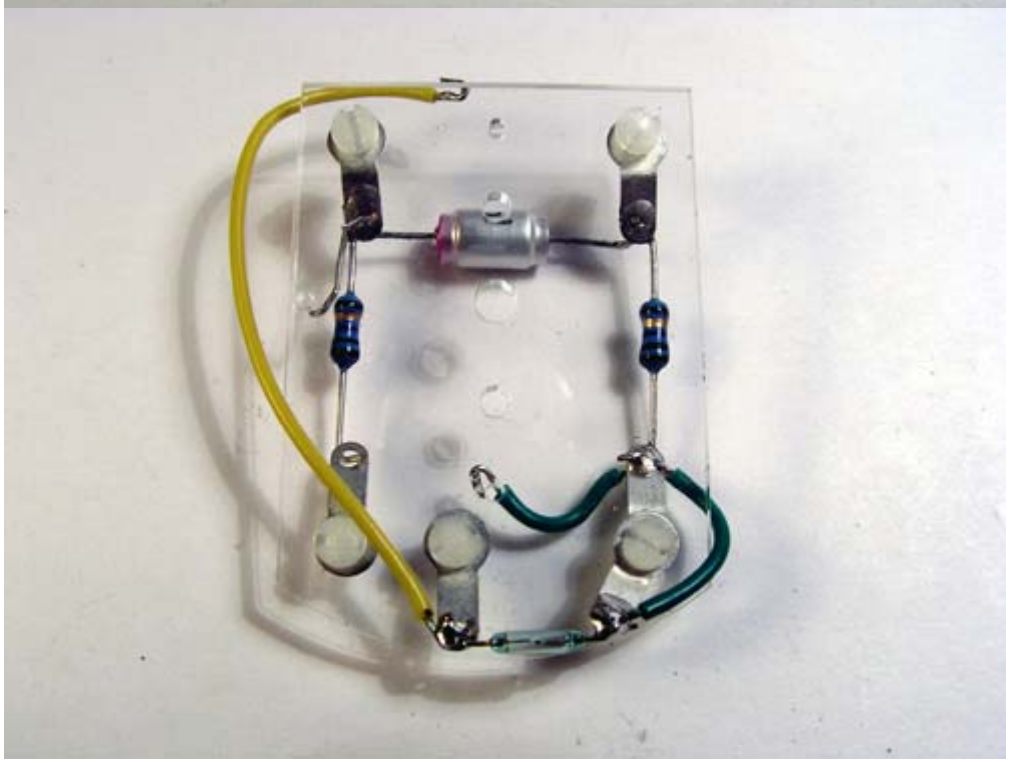
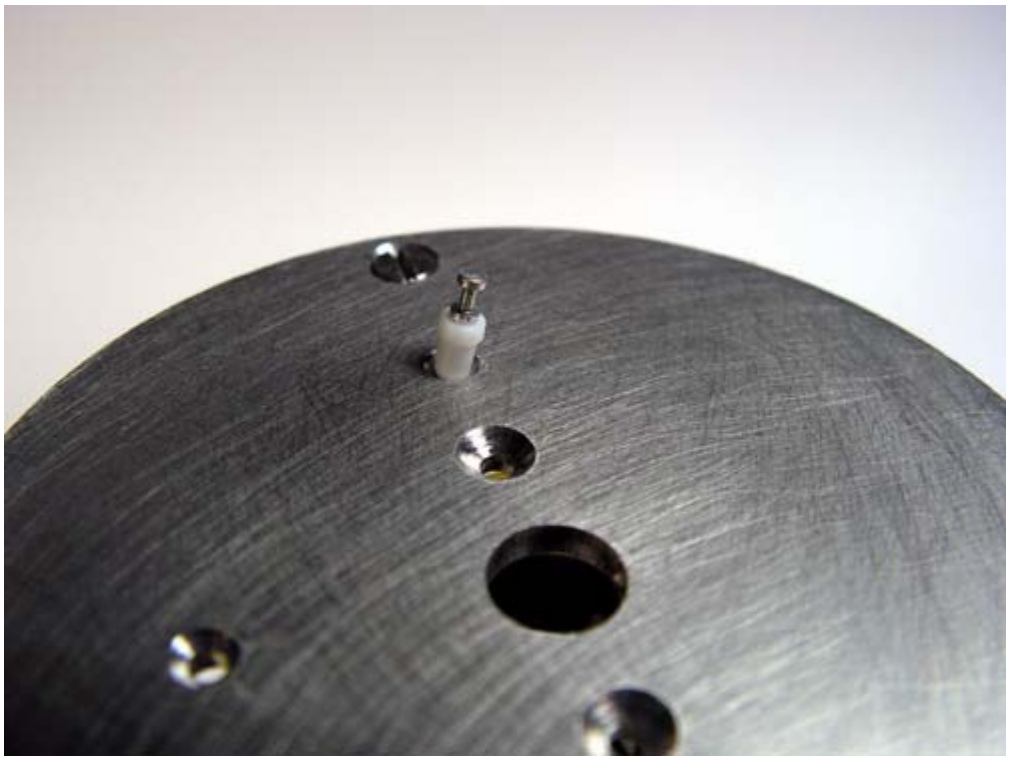


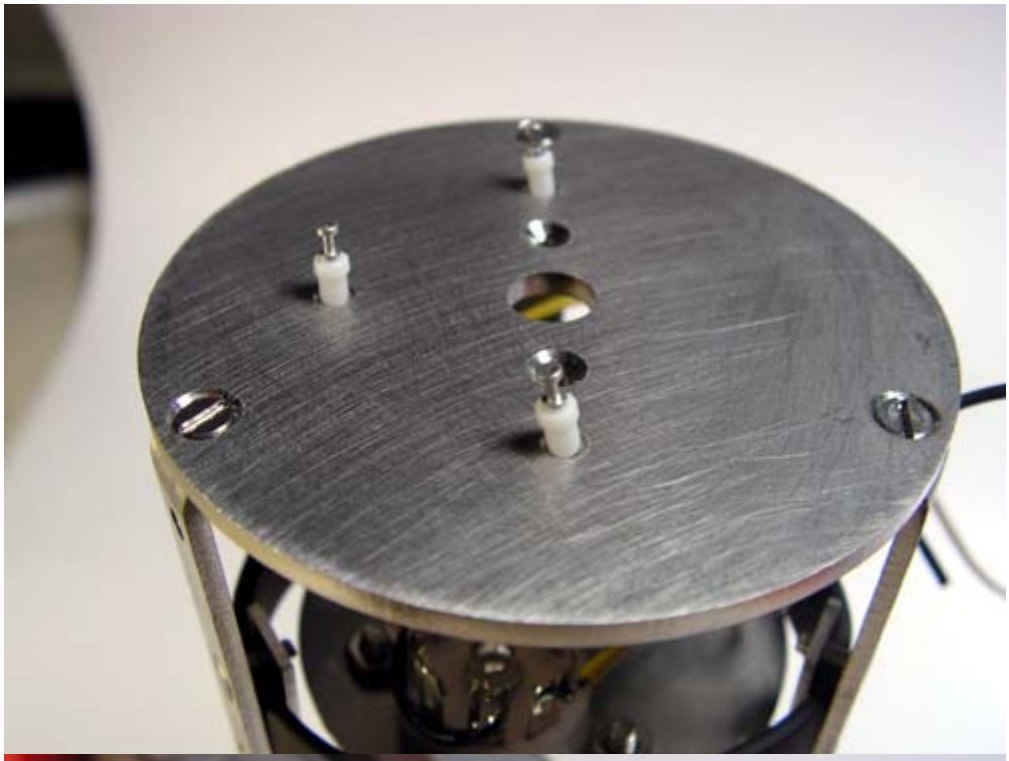


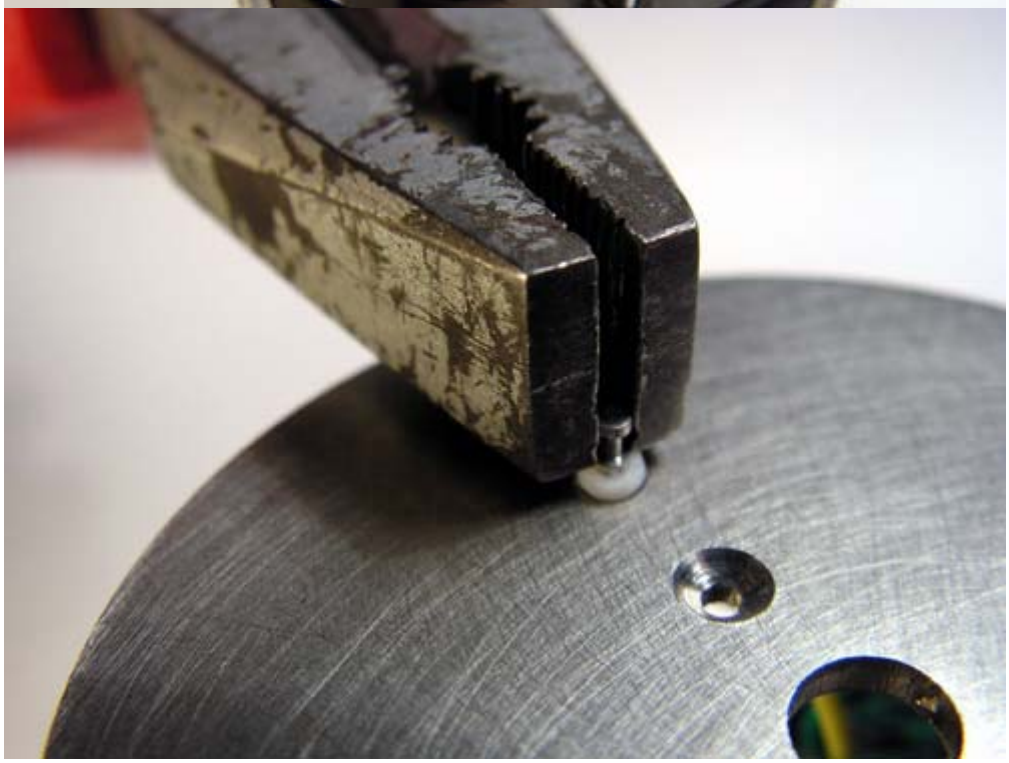
the teflon feed throughs

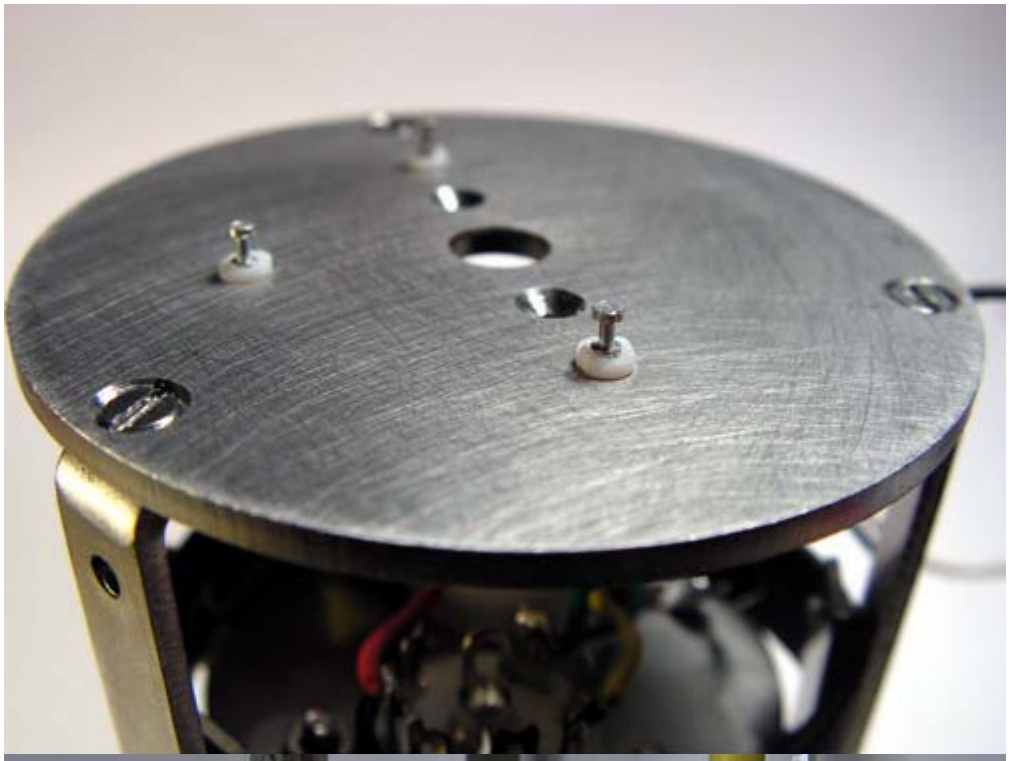


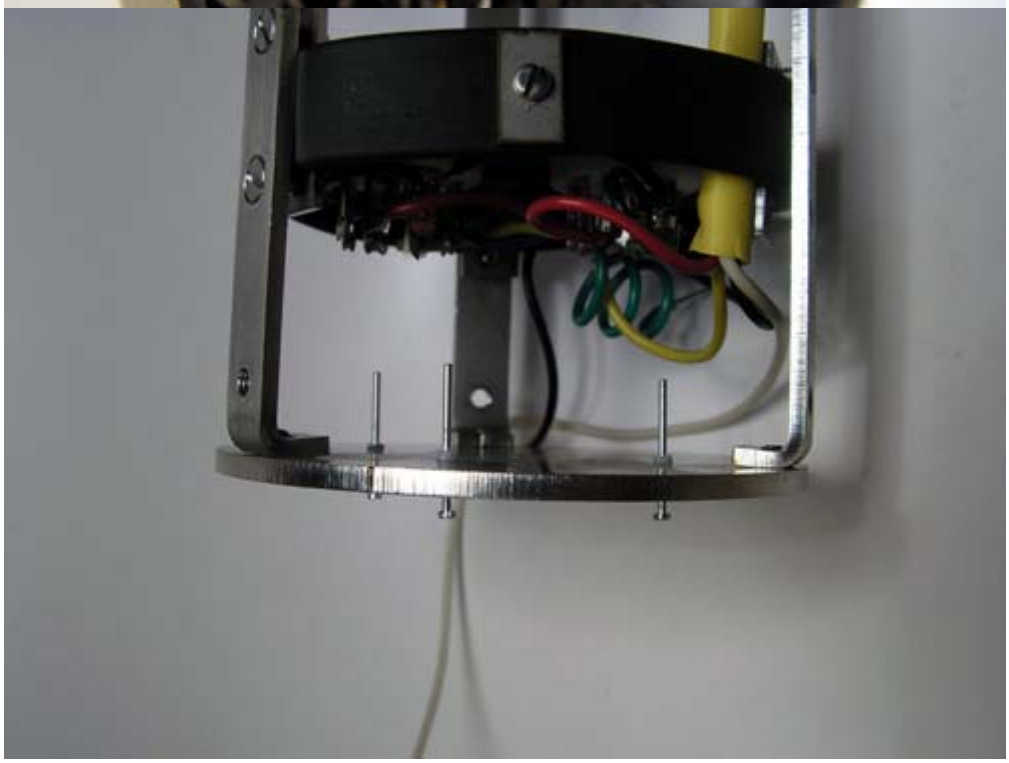
push the carefully to place, grabbing them by the top teflon part



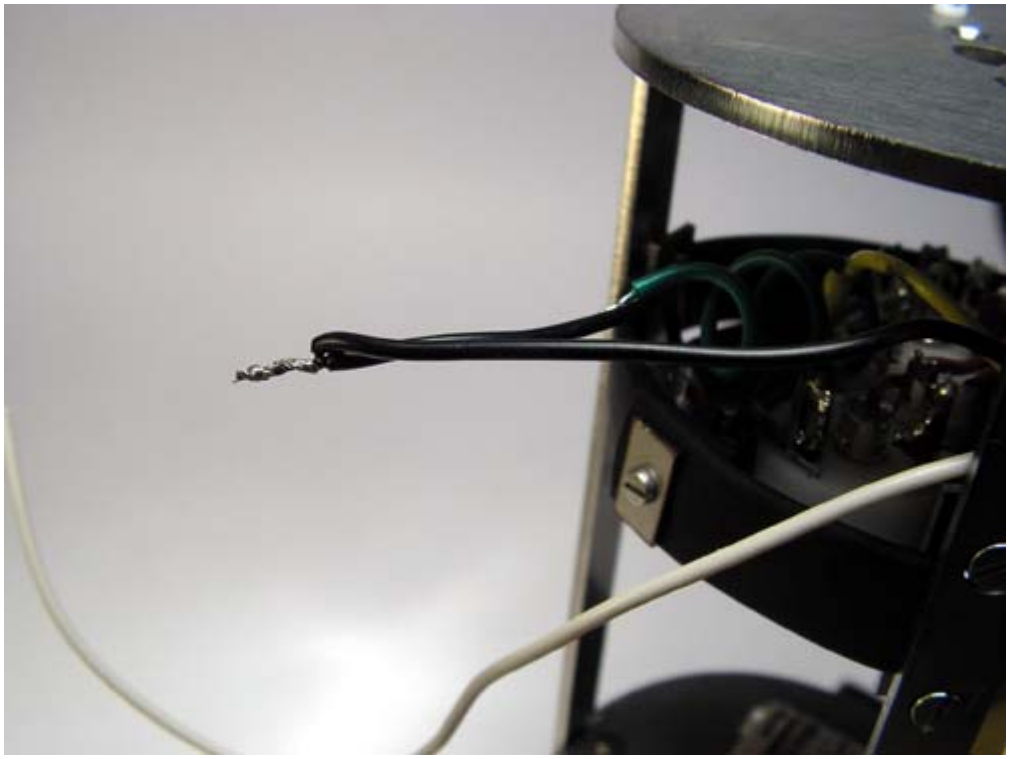








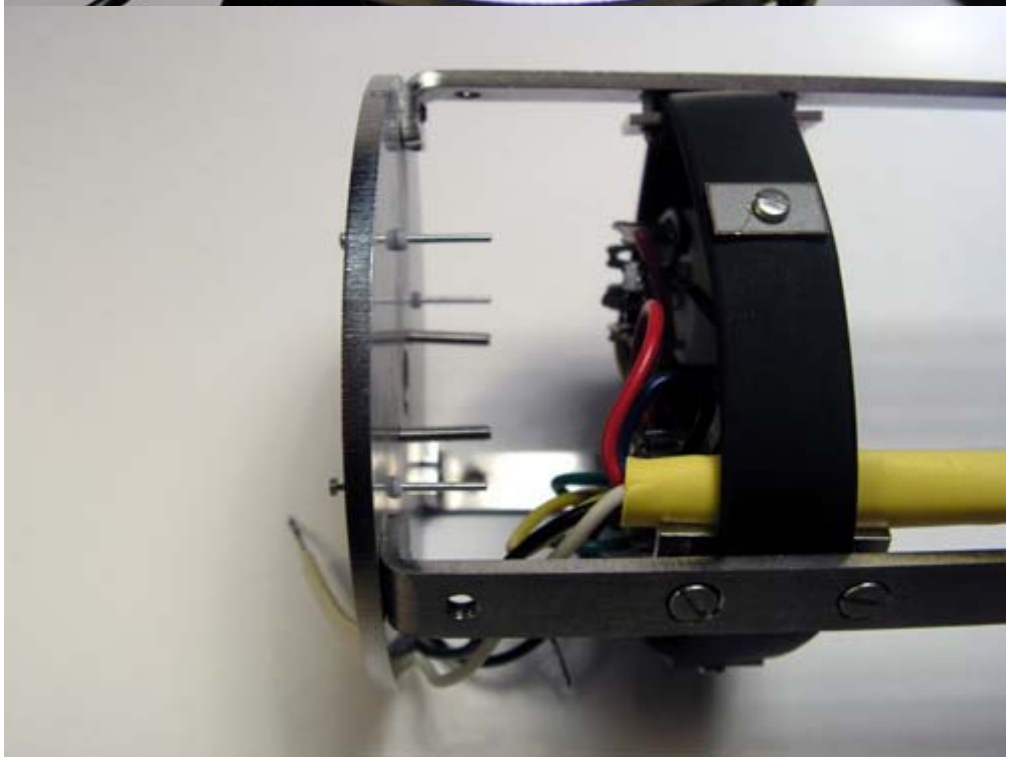
solder the two black wires



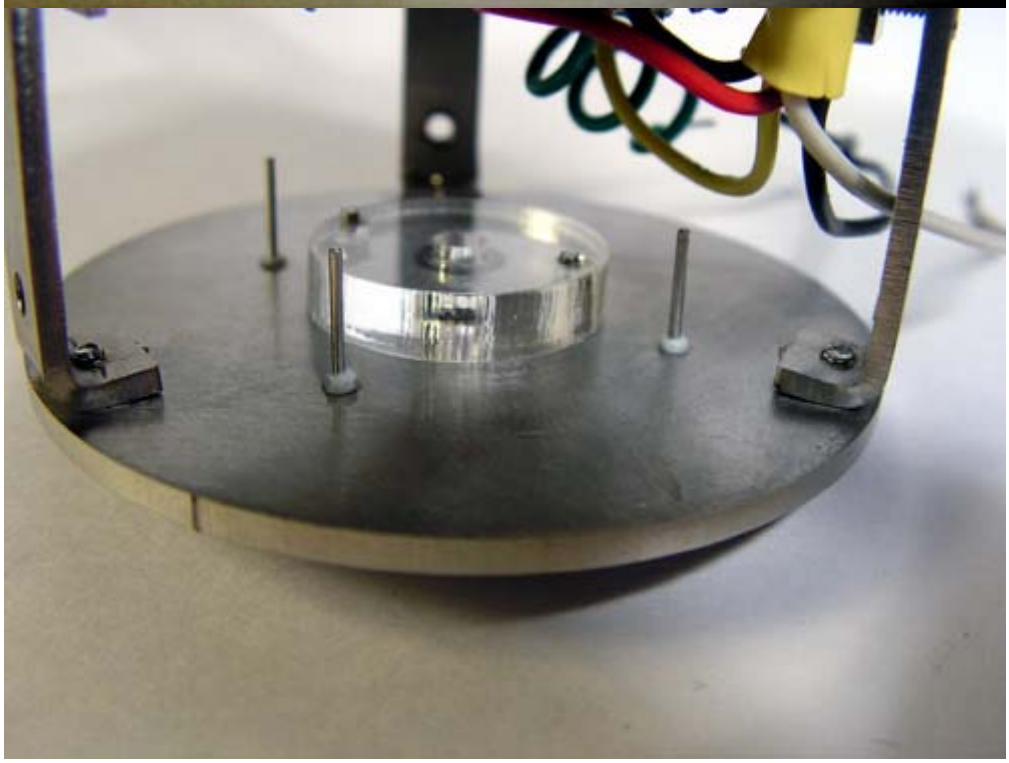
mount the highZ board + spacer as shown

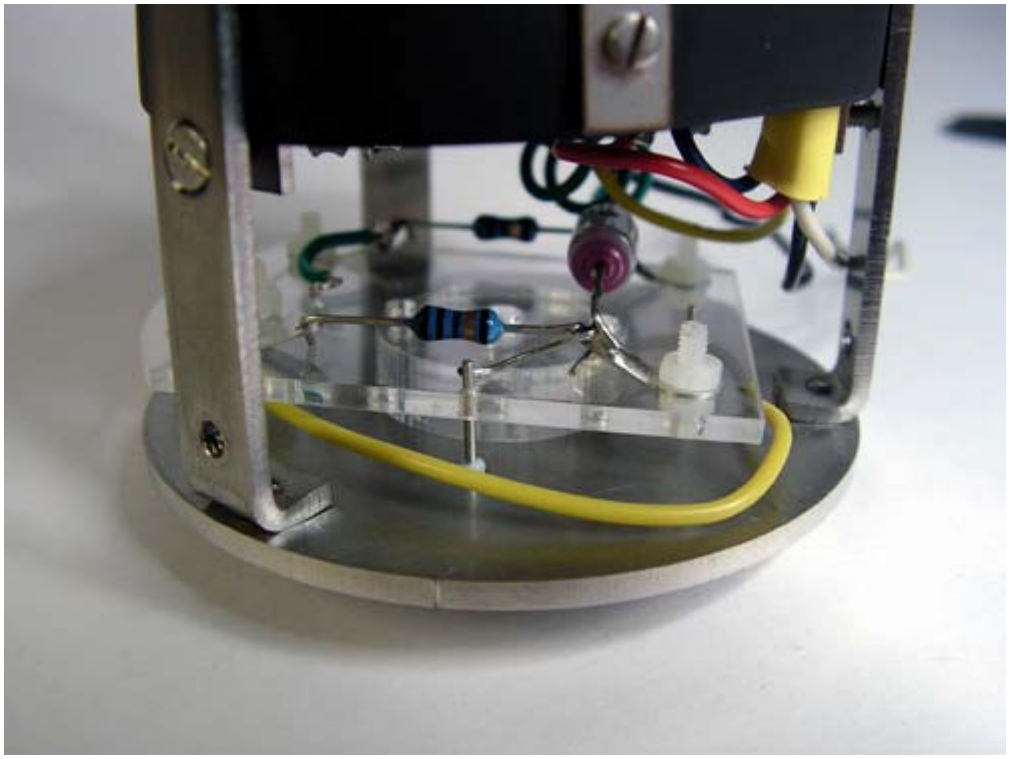




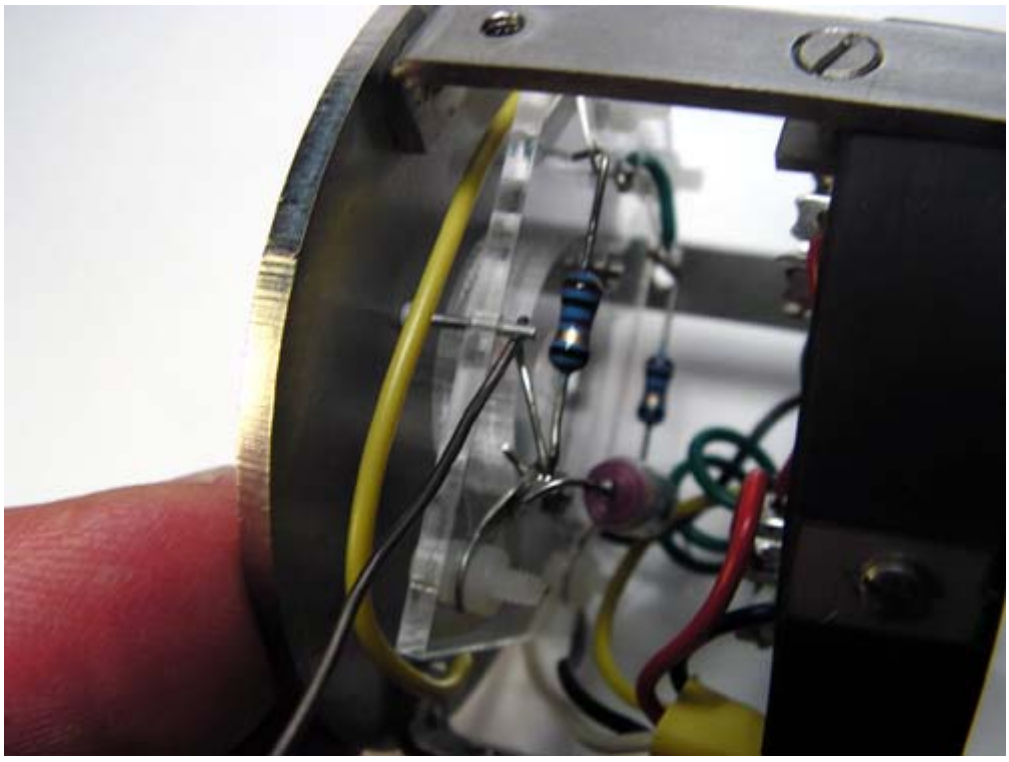




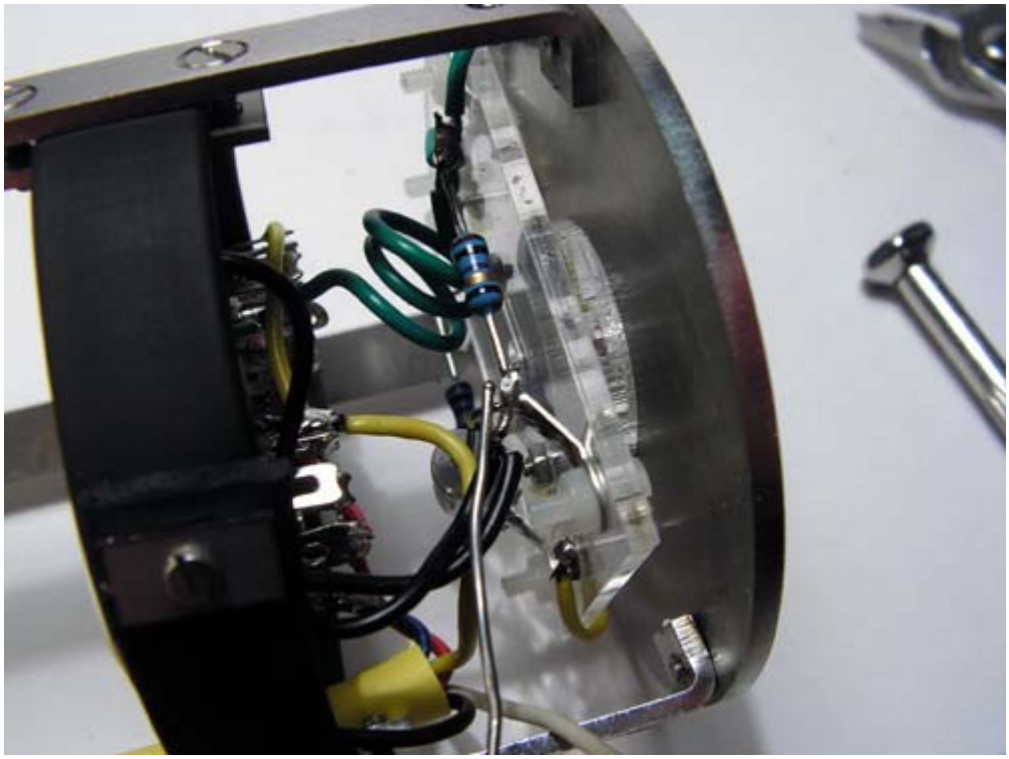




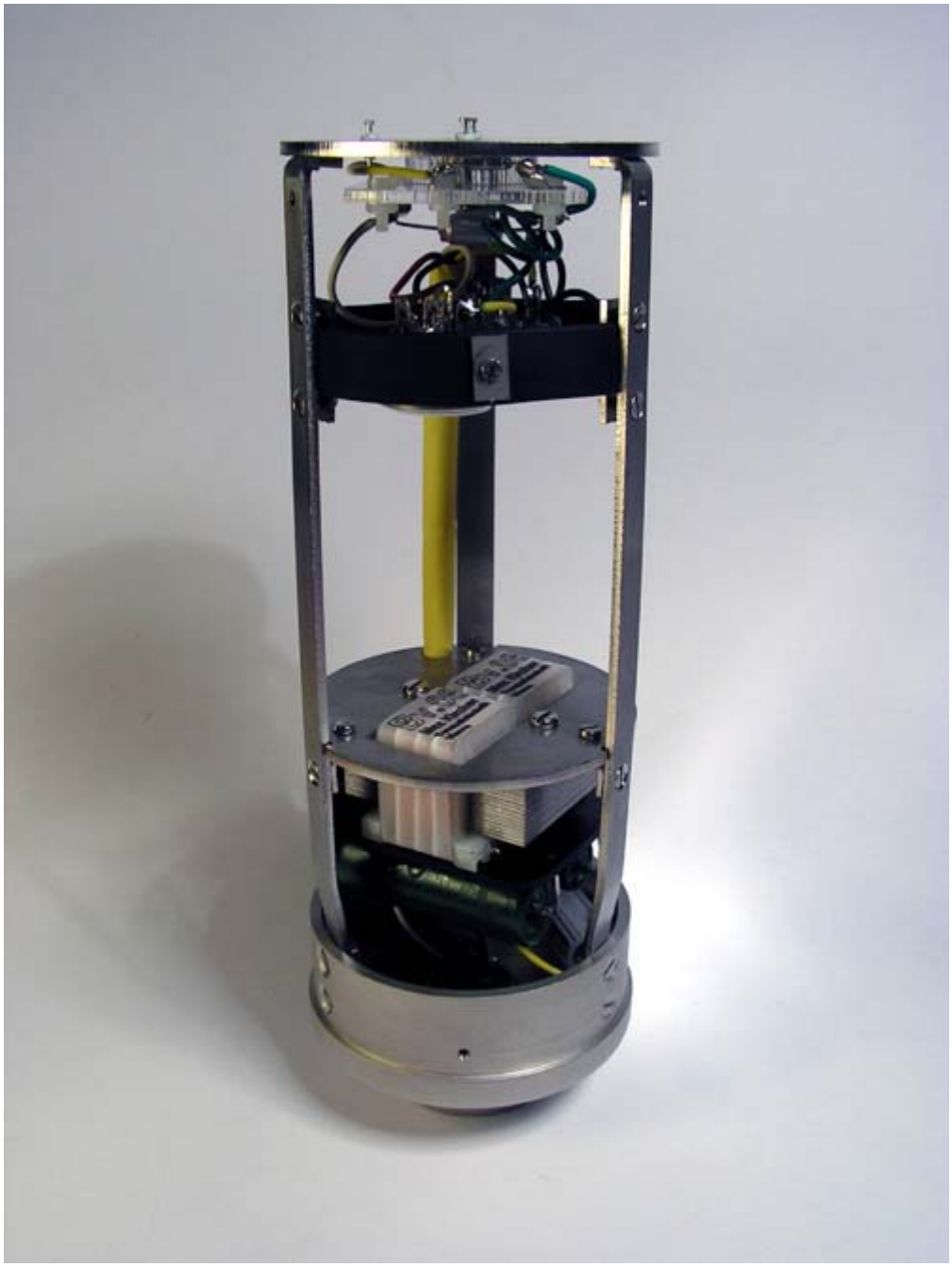
attach the wires to the teflon feed throughs



attach the rest of the wires



place the tubes



Shown with a Flea capsule holder

