

Installing instruction QUARTZ-CONTROL for self-soldering

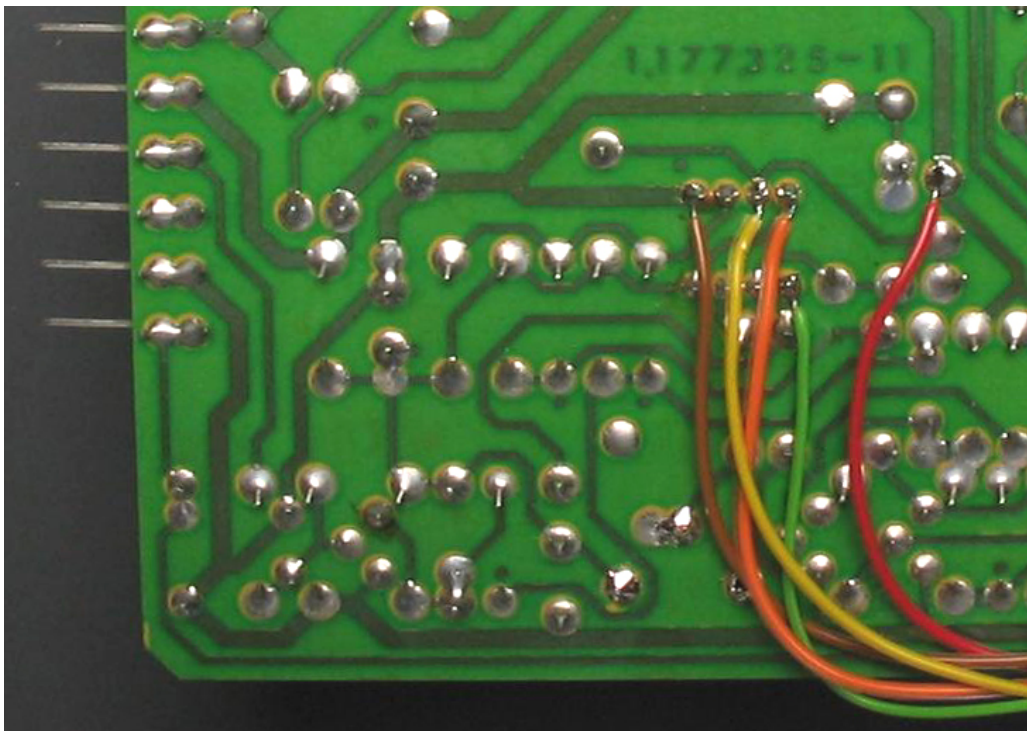
for Revox B77 und PR99

Modification of the Capstan speed control pcb

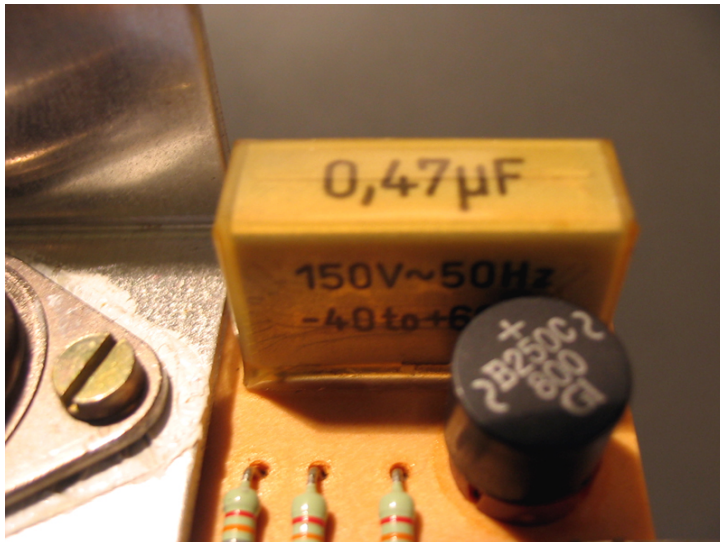
- Of course the following steps of installing should be done with turned off machine and no power condition!:

To modify your own Capstan speed control pcb you have to

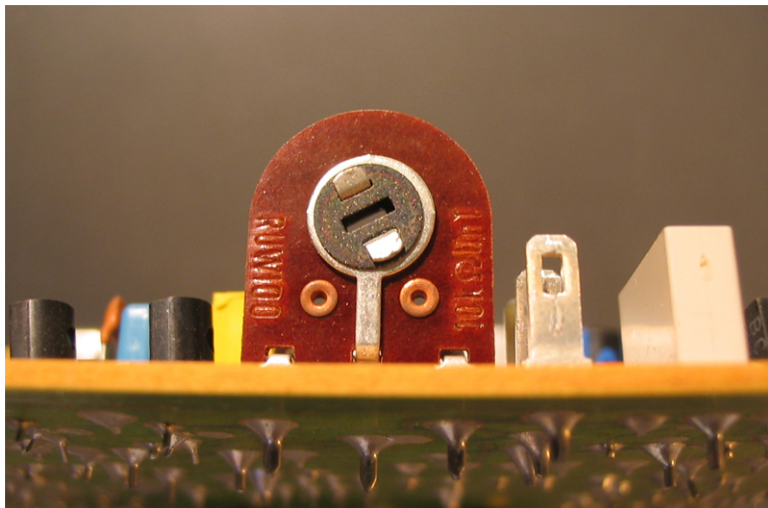
- 1. Solder on the 5 loose ends of the ribbon cable to the corresponding points of the IC 555 (often placed in sockets)**



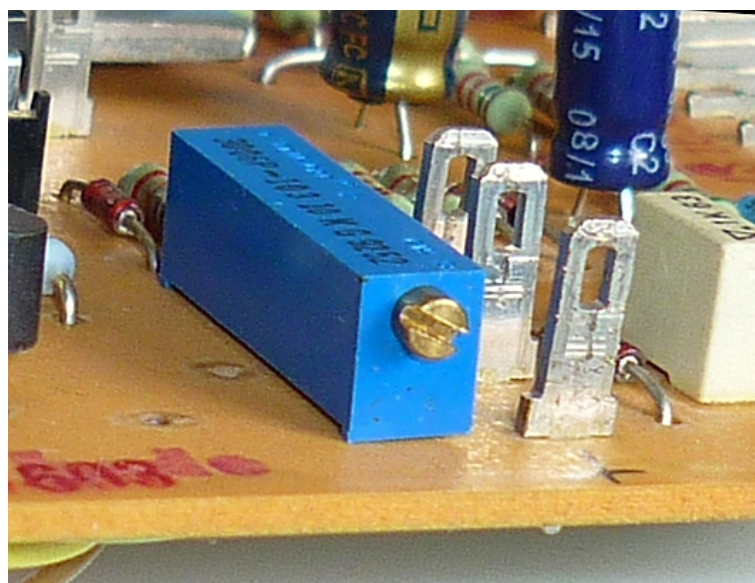
2. You should replace the Rifa condensor to avoid any problems



3. Replace the varistor for adjusting the required tape speed by a better one.



My experience using a 10 turn varistor is quite good.



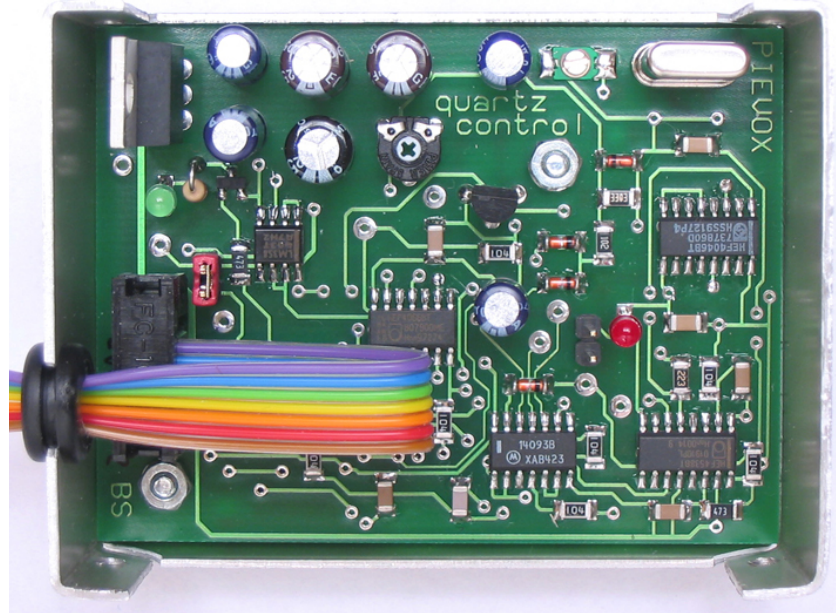
The new potentiometer installed - the footprint is ready prepared by Revox !

4. Adjusting the required (basic) motor speed of the B77 / PR99:

Prevailing condition:

The ribbon cable was soldered to the corresponding points (according to the photo on page 1) to the Capstan speed control PCB. Please check again thoroughly!

- Remove the red jumper from near the green LED (position 1) and place it at the pins near the red LED. (position 2).



- Turn on the machine and let the motor speed up, the red LED will blink.
- Adjust the varistor on the Capstan speed control pcb (see picture above) so that the red LED blinks less than 1 time per second.
- Connect the jumper back to position 1.
- Complete.

This installing instruction is also to be seen on my homepage www.pievox.de (colour-photos and current version).