

Installing QUARTZ-CONTROL

for Revox B77 and PR99

Preliminary remark:

- Installing is easy. But to avoid any damage, follow the instructions of this description accurately. Make sure that all contacts are exactly the same as described before you turn on the machine!
- Of course the following steps of installing should be done with turned off machine and no power condition!:

Introduction:

Step-by-step:

1. remove case
2. exchange Capstan speed control pcb
3. screw in Capstan speed control pcb (for version 1 the modified Capstan speed control pcb)
4. adjust two of the velcro fastening strips
5. unscrew body of the Quartz-Control plug connector on pcb board Quartz-Control
6. close Quartz-Control and press on velcro fastening strips
7. close case of the B77/ PR99

You received the following parts:

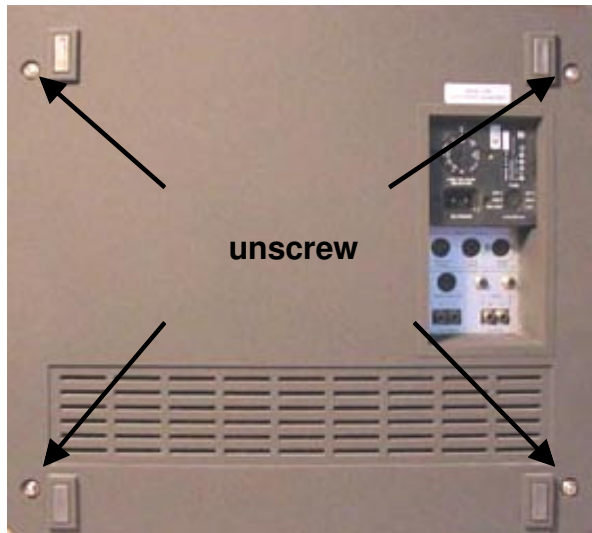
- The **Quartz-Control module** with built-in pcb board and velcro fastening strips
- for **version 1** the prepared Capstan speed control pcb including a multi-coloured ribbon cable
- for **version 2** alternatively the multi-coloured ribbon cable with free ends to solder on (do-it-yourself version) – 3 pages of instruction –including colour photo for soldering on 5 cables.

You just need a phillips-screwdriver as a tool!

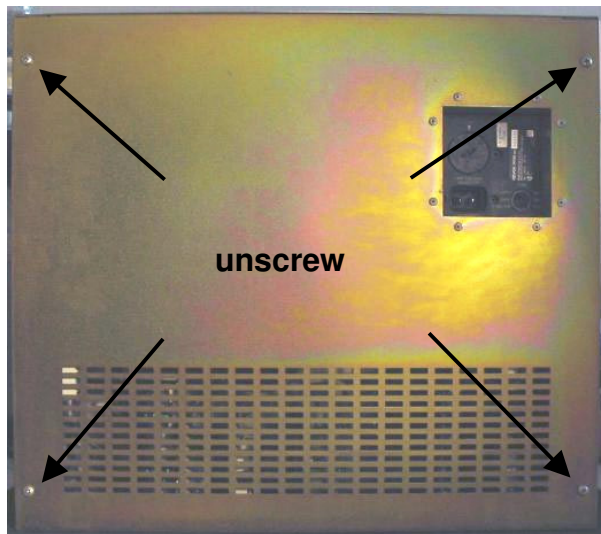
Now for the step-by-step instruction:

1. remove body of the tape recorder:

- pull power plug
- open backside



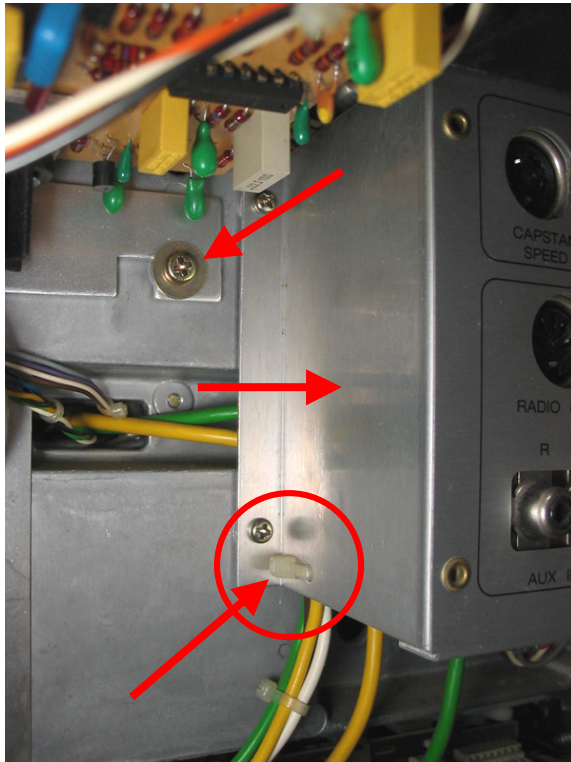
Unscrew the four phillips screws on the backside of the **B77** case



Unscrew the four phillips screws on the backside of the **PR99** case

- pull out machine from body

2. unscrew Capstan speed control pcb

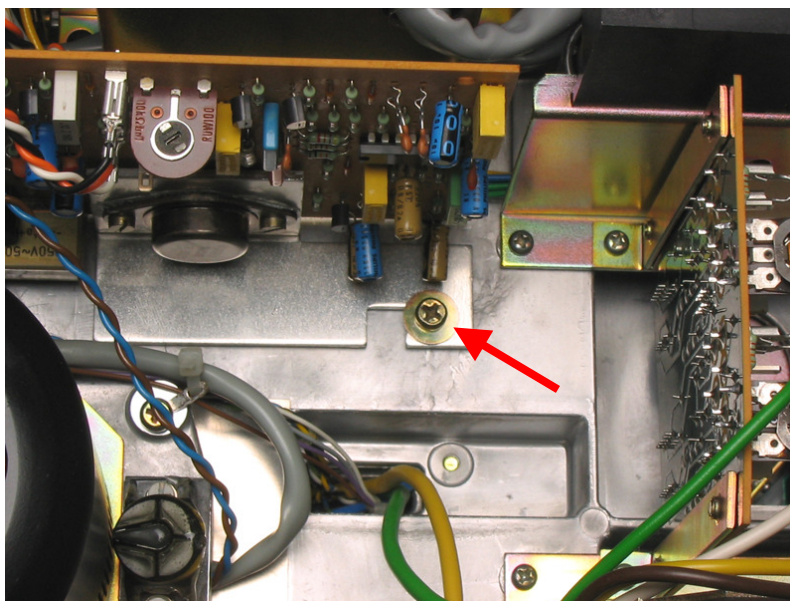


B77:

loosen screw of the Capstan speed control pcb and remove (arrow above)

remove cable tie (arrow below)

clean surface for contact and wipe dry – (arrow in the middle) for mounting the velcro fastening strips



PR99:

loosen screw of the Capstan speed control pcb and remove it (arrow)

clean surface for contact and wipe it dry (screening sheet between the audio pcb) for mounting the velcro fastening strips

- **Prepare Capstan speed control pcb (only if you will solder on ribbon cable yourself – version 2)**
- **exact description for do-it-yourself people – 3 pages colour fotos !**

3. Build in Capstan speed control pcb, or modified Capstan speed control pcb

- Be sure not to squeeze any cables !

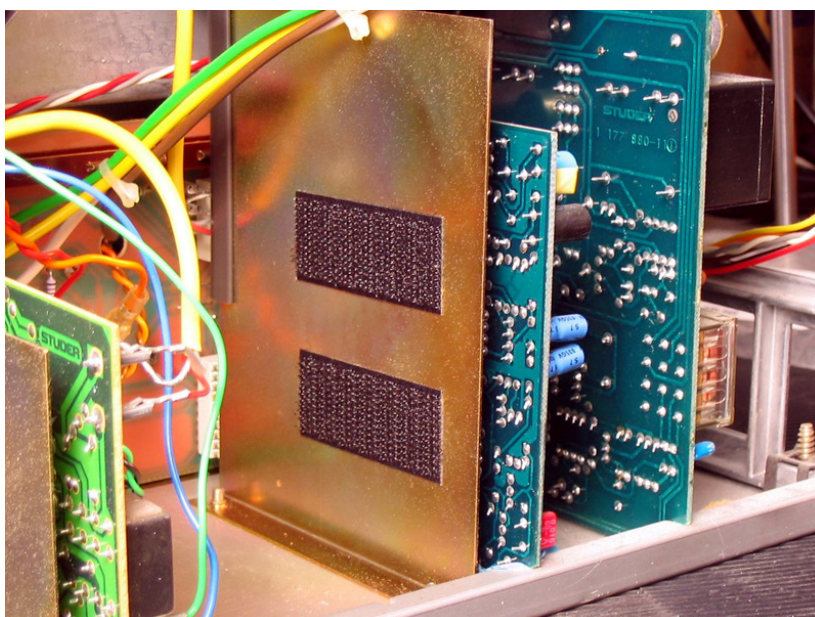
4. Fix velcro fasteners in the recorder and mount the Quartz-Control

- First press both parts of the velcro strips together, then take off paper strip. Paste the glued side in the B77, or PR99 (see picture).
- Remove Quartz-Control-body again – this leaves the hooked (roughside) of the velcro fasteners in the machine, the Quartz-Control body will later be pressed on them again.



Position of the hooked velcro strips for mounting the Quartz-Control

- looking at the inside of the **B77**



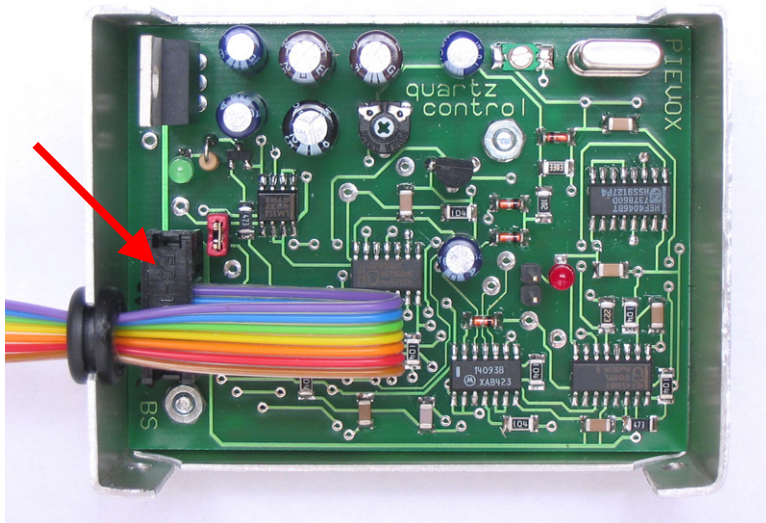
Position of the hooked velcro strips for mounting the Quartz-Control

- looking at the inside of the **PR99**

5. Open the Quartz-Control and plug in connector on pcb



unscrewing the Quartz-Control



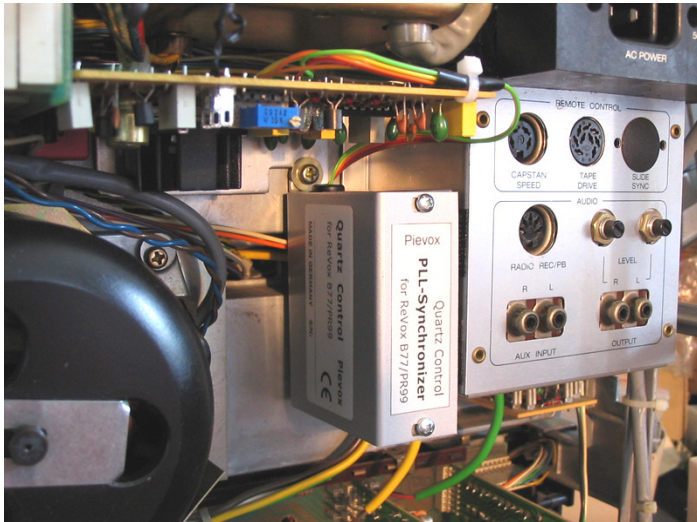
plug in black connector of the ribbon cable:

for the **B77** leave the loop of the ribbon cable as seen in this picture

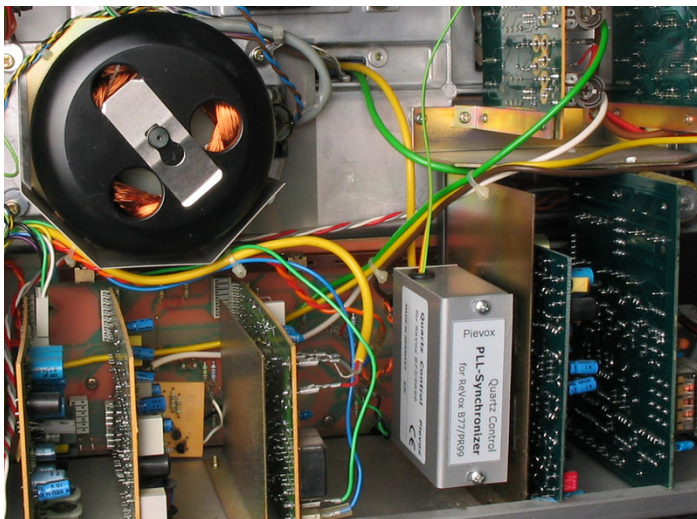
for the **PR99** pull out ribbon cable as far as required

6. Close body of the Quartz-Control

- Adjust the ribbon cable to best position
- press the Quartz-Control back to the velcro fastening strips



Ready mounted Quartz-Control in the **B77**



Ready mounted Quartz-Control in the **PR99**

7. B77/PR99 –close case with the four screws.

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

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