

Installing Play-Logik for Revox A77

Preliminary remark:

Mounting is not complicated. 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!

Be careful when tightening screws, plastic material of the machines is almost 30 years old!

Introduction:

Step-by-step:

1. remove body
2. remove front cover
3. unscrew tape motion control pcb

if you ordered the prepared tape motion control pcb go on with step 5

4. if you're modifying your own tape motion control pcb when „doing-it-yourself“ - solder on 10 coloured ribbon-ends, interrupt one trace by using a sharp tool.
5. screw in the tape motion control pcb
6. adjust three of the reflector-pads on the spooling motor.
7. plug in **Play-Logik-module**

You received the following parts:

- The **Play-Logik module** with built-in pcb board
- Prepared tape motion control pcb including ribbon cable or – alternatively multi-coloured ribbon cable with free ends to solder on (do-it-yourself version)
- 5 reflector-pads 19 mm (2 on reserve)
- 1 bridge connector für standard modus of A77 (without PlayLogik) – in any case

You should have the following tools handy:

- solid bent-tweezers or delicate snipe nose pliers to pull up and fit the faston connectors on to the tape motion control pcb
- a small phillips-screwdriver (size 1)
- a slot-screwdriver for M3-screws, if the power amplifier has to be removed

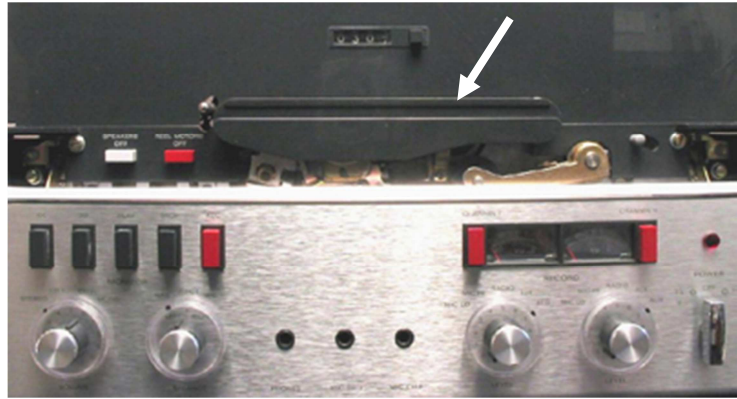
In the context below only disassembly of the body will be described, mounting will be just the other way around!

1. Preparing the A77 – remove body:

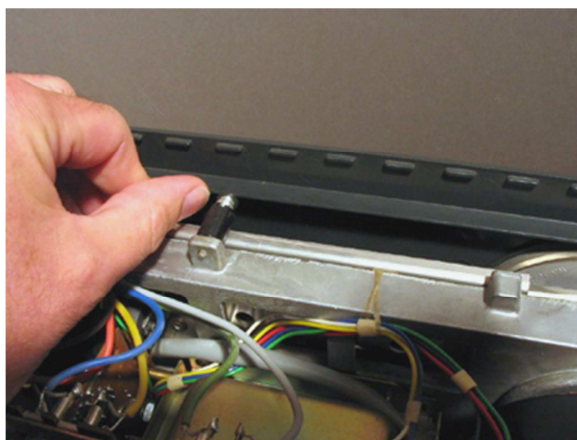
- pull power plug
- remove wooden body shell: unturn 4 screws on the backside, pull out the remote-blind connector and lay it apart to the body screws, (so you won't forget to plug it back on later)
- pull out machine from body

2. Remove front cover:

remove upper headcover



turn out 2 screws in back of flap (arrows)



upper fixing points consist of 3 positive locking sockets

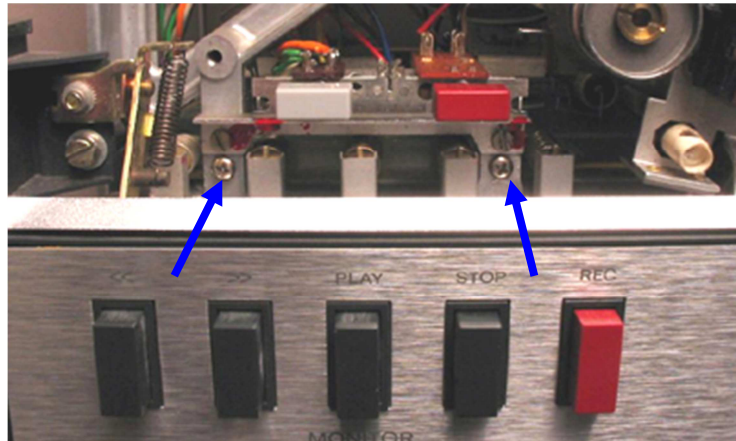
Press out of frame

Take off cover

3. Unscrew tape motion control pcb

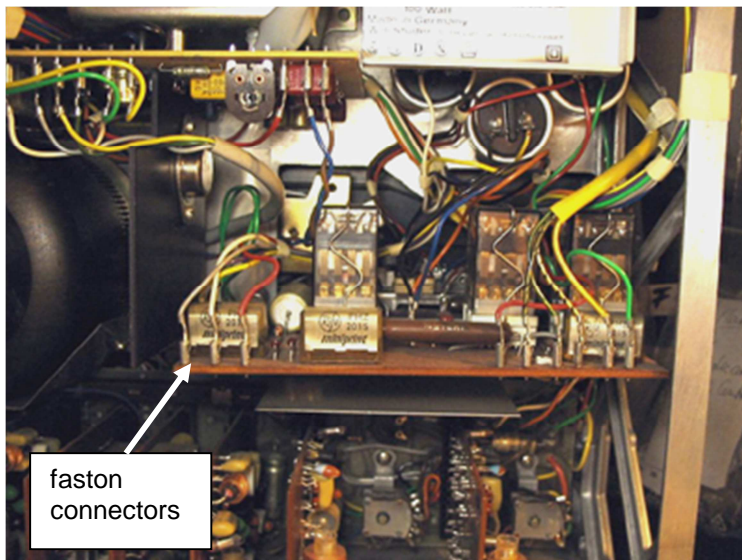
Loosen both screws
and remove them

(arrows)



tape motion control can now be removed from the backside.

(Pull out faston, using tweezers or snipe nose pliers)



Note true cable colours on schematic!
There could have been changes
made during production, so
compare colours for sure!

4. Prepare tape motion control pcb (only if you will solder on ribbon cable yourself)

- exact description for do-it-yourself people – 2 pages colour fotos !

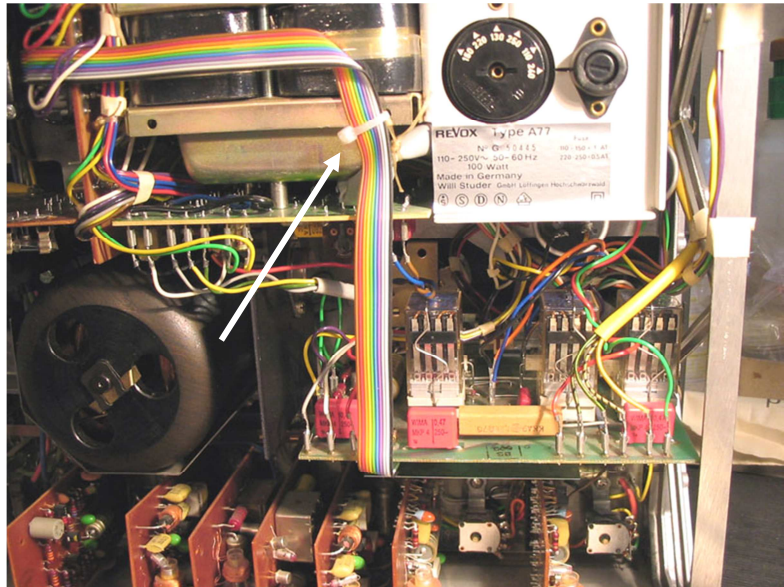
5. Mounting tape motion control pcb

Build in tape motion control pcb with ribbon cable. Mount all fastons according to schematic, (possibly actualized schematic) beginning with **array A**, then **array B** und **array C**.

Now the tape motion control pcb can be fitted in to former position. Adjust the position of the lever carefully and fasten the fixing screws (warning: plastic thread!!)

Last but not least mount the fastons on **array D**. (Support the pcb with your hand).

adjust multi-coloured ribbon cable as seen in picture and secure it with enclosed cable tie

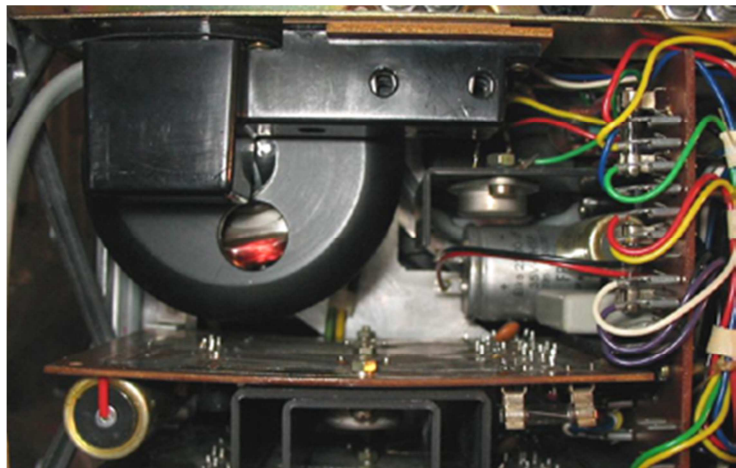


6. Adjust reflector-pads on spooling motor:

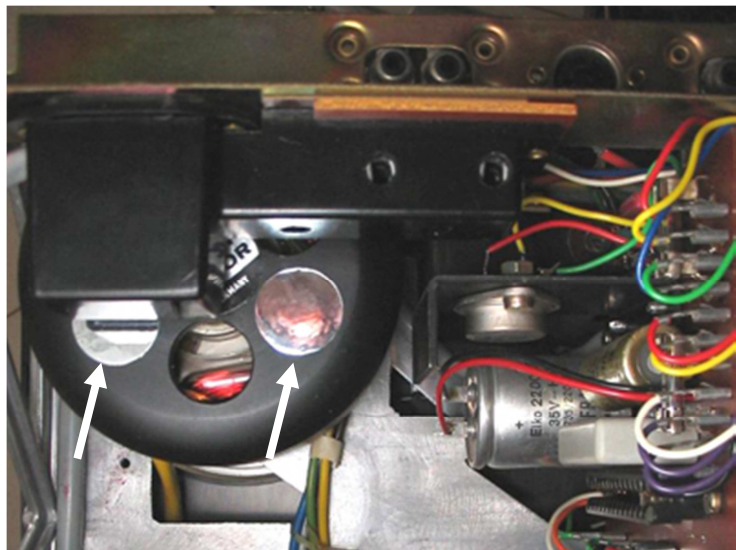
Should power amplifiers be inside, disassemble the upper power amplifiers, so reflector-pads are easier to position and **Play-Logik module** can be installed more comfortably.

Here is the spooling motor without pads

(take-up motor seen from the backside)

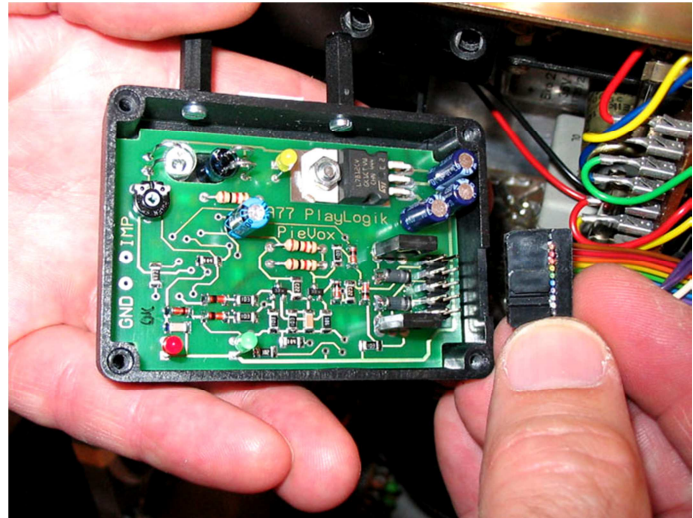


Adjust 3 reflector-pads in the center of the holes on flat part of motor body
clean beforehand with spirit!
(arrows)

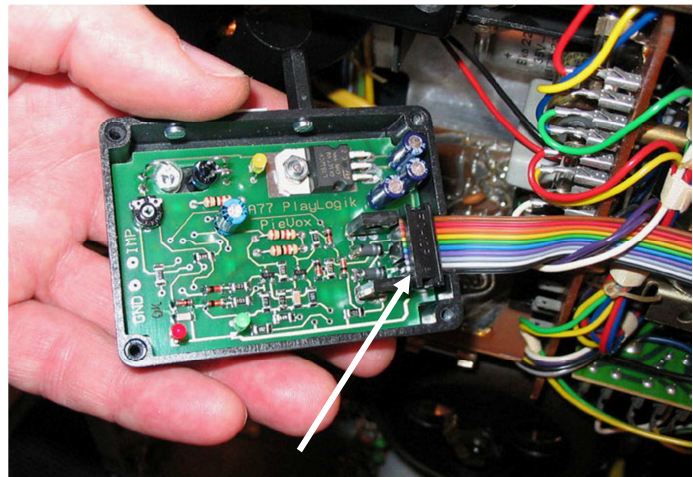


7. Plug in Play-Logik-module

Open **Play-Logik module** – case.
plug in black connector of the
ribbon cable



connector plugged in

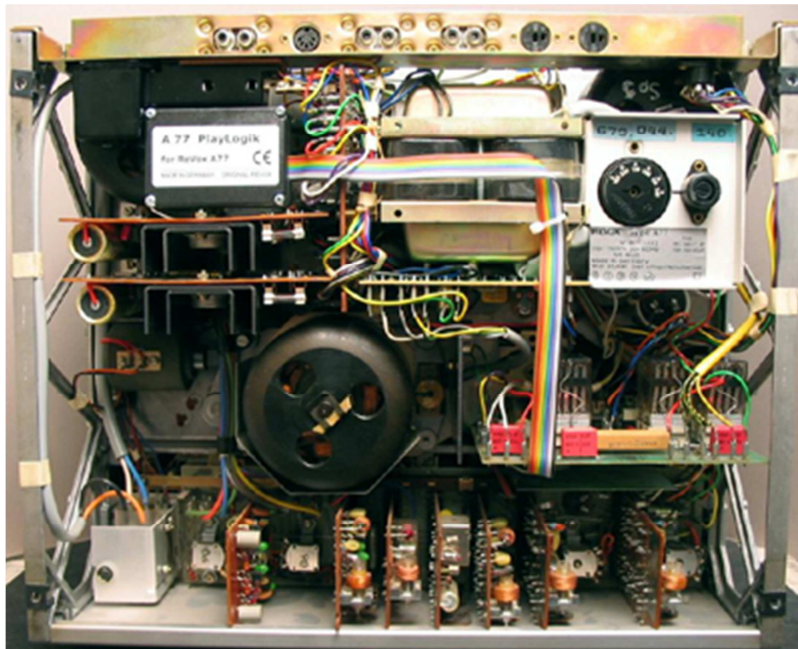
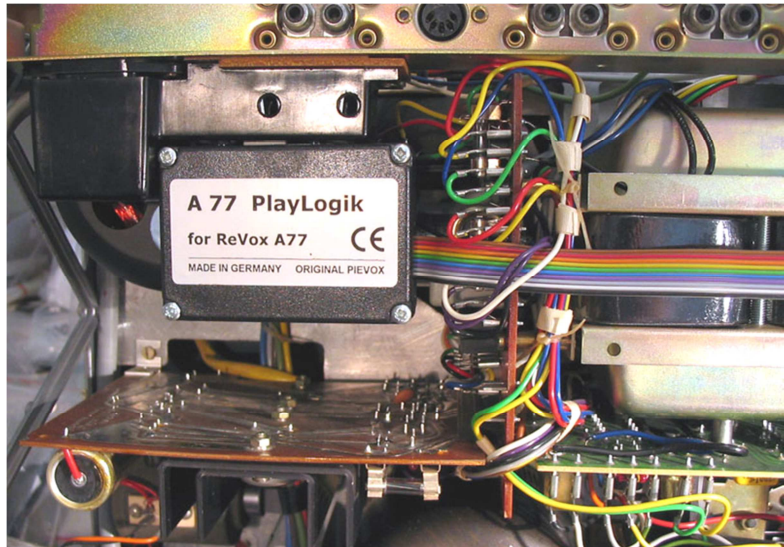


mount lid, turn screws moderately

Remove paper strip from white
sticker, plug **Play-Logik module**
into holes with both plastik pins
and press on



This is the ready mounted
Play-Logik module



The supplied bridge connector enables standard modus of the recorder, in case the **Play-Logik module** isn't connected.

Check the colours of the faston connectors on the tape motion control pcb again carefully before you power on the machine!
Do-it-yourself people please control also the correct points of the soldering connections!

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