

LED-VU Lighting Kit for Revox B77 and PR99 Installation



LED-VU Lighting Kit for Revox B77/PR99

Installation

The lighting kit can be installed without soldering in the Revox tape recorders B77 and PR99. All connections are pluggable or drillable. However, care should be taken when replacing the bulb lighting. The old frames usually sit very tight and break out easily.

Extreme caution must be exercised when working on electrical equipment. Disconnect the power cable of your tape machine completely as well as at the rear panel plug connection of your tape machine.

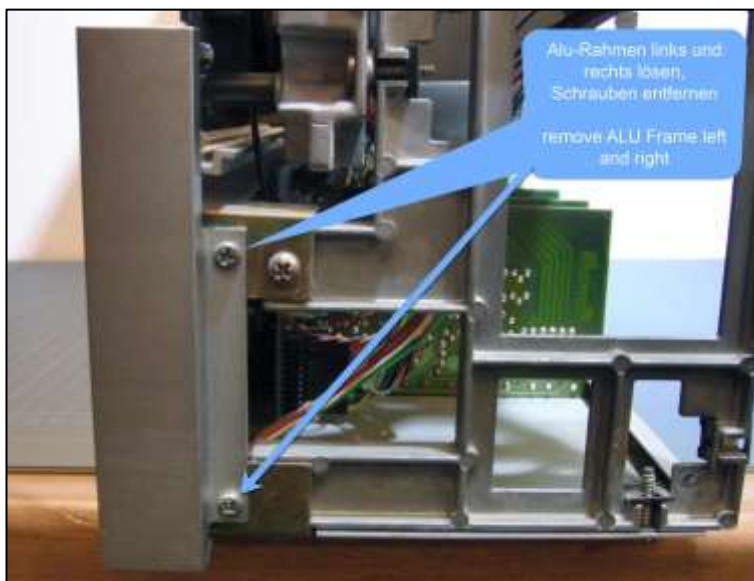


Step 1 - Remove housing

Remove the housing with 4 screws on the rear panel. The chassis can be pushed forward.

Step 2 - Remove aluminium side parts

Remove the aluminium side panels with 4 screws. The aluminium flap is fixed with 2 steel springs. Please take care not to lose the springs and remember to mount the springs for the aluminium flap.



Step 3 - Remove front panel

Now pull off the knobs of all dials. Please direct all switches either up or down. Now carefully remove the front panel. Please make sure that the levers of the switches are not scratched.



LED-VU Lighting Kit for Revox B77/PR99

Installation

Step 4 - Unscrew VU meter / key frame

Unscrew the frame with 4 front screws. Pull the entire frame 8-10cm out of the housing. To avoid scratching the VU-Meter glasses, it is recommended to cover them with foil (if necessary 2 layers of cling film).



Step 5 - Remove old lamp sockets

As already mentioned, caution is advised here. The grey plastic sockets fit very tightly. You may need to lever them out of the VU meter with a slotted screwdriver or knife edge. Make sure that the old bulbs do not fall into the VU meter. These are very difficult to remove from the inside of the housing.



Step 6 - Disconnect the ground wire of the overload LED in the right VU meter

The ground connection to the right override LED (red round LED in the VU meter) is required again after installation of the LED kit. Pinch the black cable close to the bulb socket.

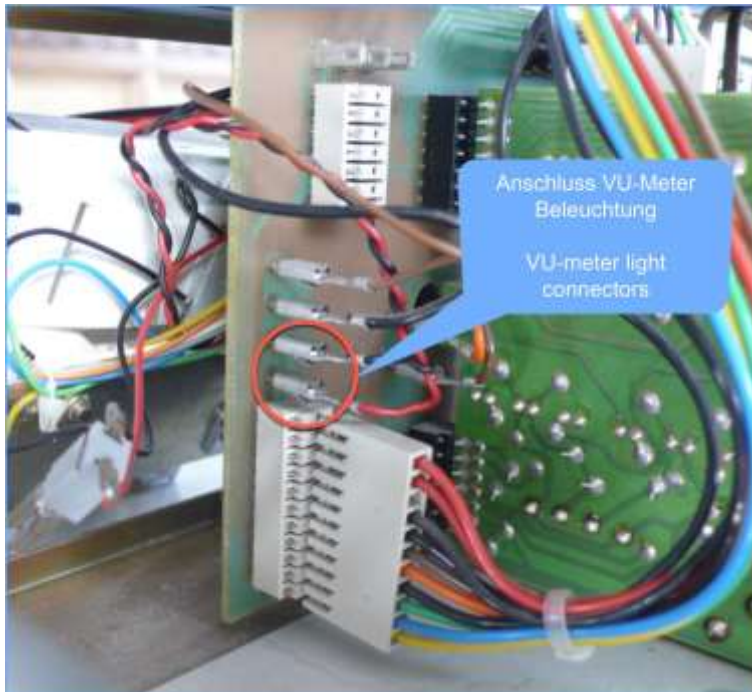
Step 7 - Unplug old lighting

Via the back of the tape machine you can reach the two flat plugs with the red and black cable. Disconnect both flat plugs.



LED-VU Lighting Kit for Revox B77/PR99

Installation



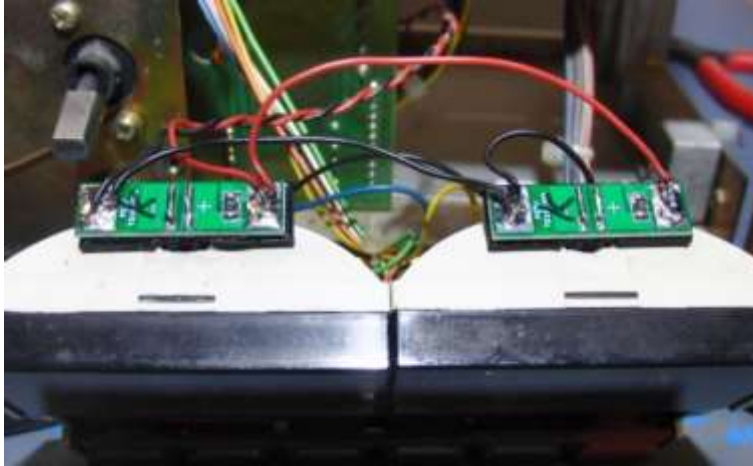
Step 8 - Insert new LED KIT

The sockets of the new LED kit are custom-made and fit exactly into the VU meter housings with a light pressure. Make sure that the cables are pointing backwards and that the new black sockets sit flat on the VU Meter housing. Reconnect the long cable with the two flat connector sleeves at the rear. Red cable (bottom), black cable (top).



LED-VU Lighting Kit for Revox B77/PR99

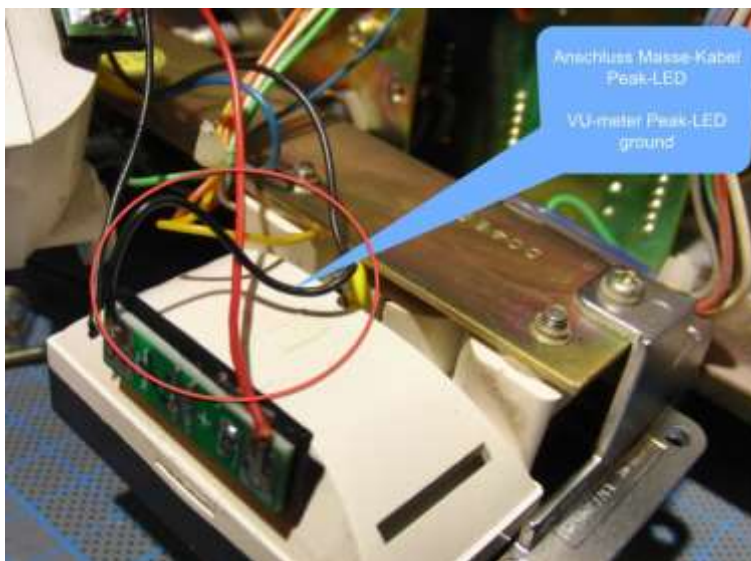
Installation



Step 9 - Connect ground cable to VU Override LED

There are 2 ways to connect the ground cable:

- Without soldering: The ground cable from the socket is protected with a white heat shrinkable tube. Pull it off and put it back on the cable so that the open end protrudes from the heat shrink tube. Strip off a 1cm long end of this ground cable. Do the same with the black cable of the ground connection of the overload LED. Now twist the bare cable ends tightly together. Then put the shrink hose over this connection. Shrink this connection with a lighter flame (8 cm distance to the hose).
- With soldering: Solder the ground cable of the overload LED to the negative pole of the carrier board of the new socket. You can snap off the pre-assembled cable with the shrink hose.



Step 10 - Test before assembly

It is recommended that you test the new Led-Kit before assembling it. Caution is also required here. Plug the power cord into the tape recorder's power plug, only then plug the power cord into the wall outlet. Switch on the tape machine. The LED kit must now work. Disconnect the power cable at both ends and start the assembly.

Step 11 - Insert VU frame

Be careful when inserting the VU Meter frame with the new installed sockets. The narrow space of the housing frame must be overcome. Here a gap of approx. 2-4 mm is very narrow. When dismantling, make sure that none of the cables are crushed or damaged. The VU meters are spring loaded and it may be helpful to loosen the spring screws by 3-4 turns to give the VU meter housing more clearance for installation.

