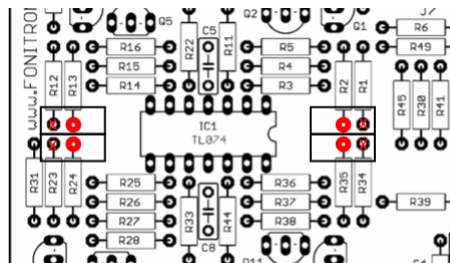
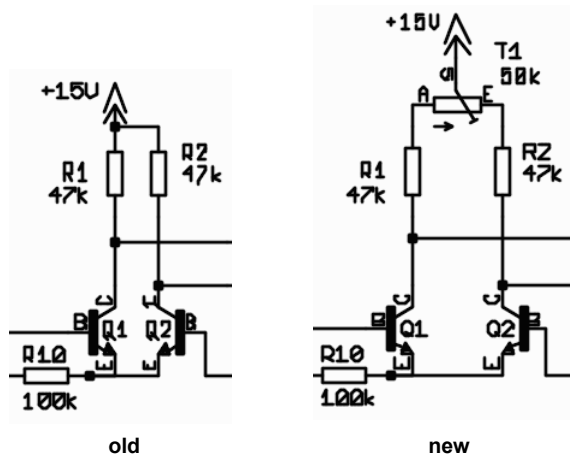


X-Pan-Fader Trimmer Modification

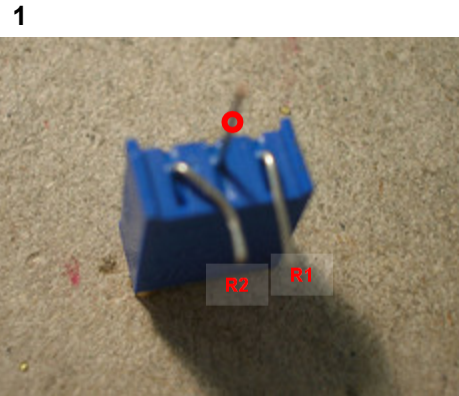
The modification explained here will increase the performance of the X-Panner. It will balance out the transistors of each VCA and reduce the CV bleed-through. Using transistors from the same batch and 1% resistors made the VCAs working quite fine for me, however the trimmers will bring you to the save side.

Below you can see the amended schematic and the suggested position of the trimmers.

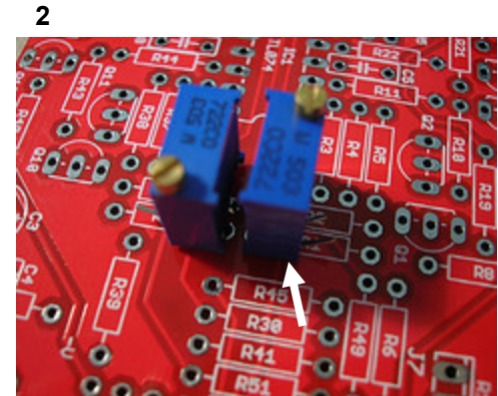
To the right you can see my implementation of the trimmers. Using standing multiturn trimmers will make it easy...



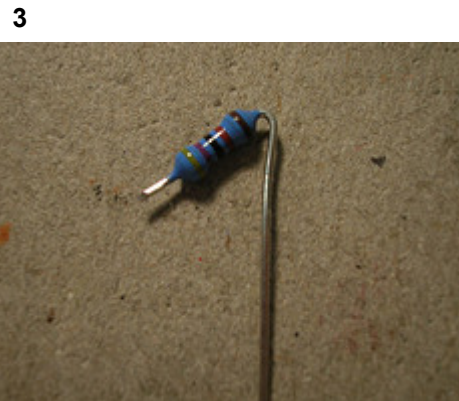
Suggested position of the 50k trimmers.



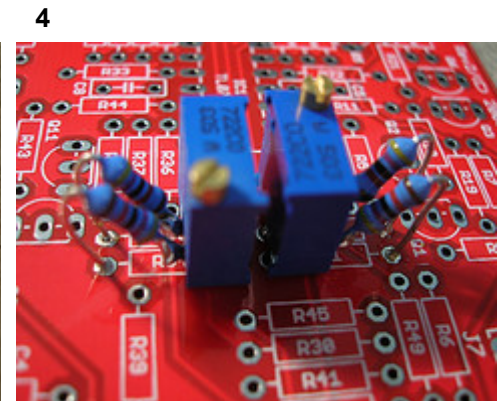
Here you can see how I bended the legs of trimmer T1, that will be connected to R1 and R2. The wiper has to be connected to +15V (the red circle pad on amended silkscreen left below).



T1 and T4, the trimmers for the 1st and the 4th VCA (non-inverted CV) are mounted to the PCB. I bent the legs that will have to be connected to the resistors a little bit upwards.



Now take the 47k resistors R1, R2, R12, R13, R23, R24, R34 and R35 and bend one leg to an sharp angle. Cut the other leg.



Solder the resistors into their position, connecting the short leg to the trimmers legs.