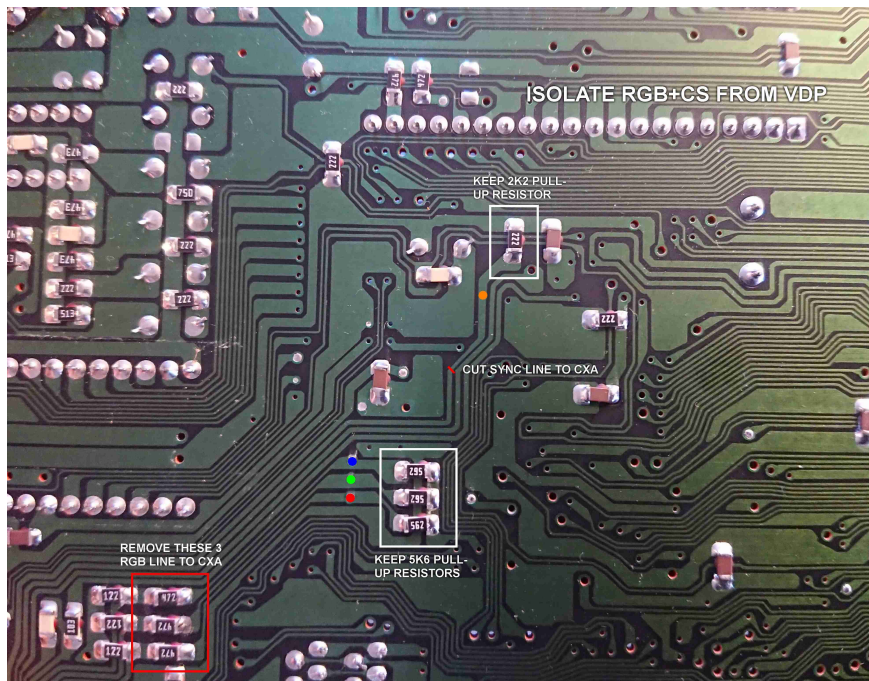
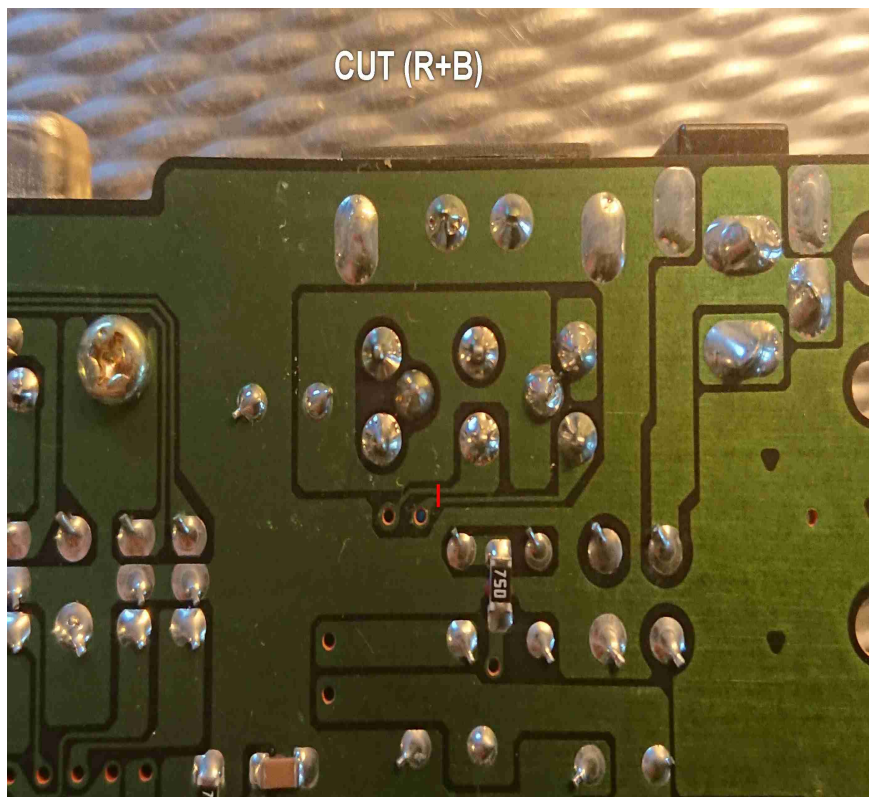


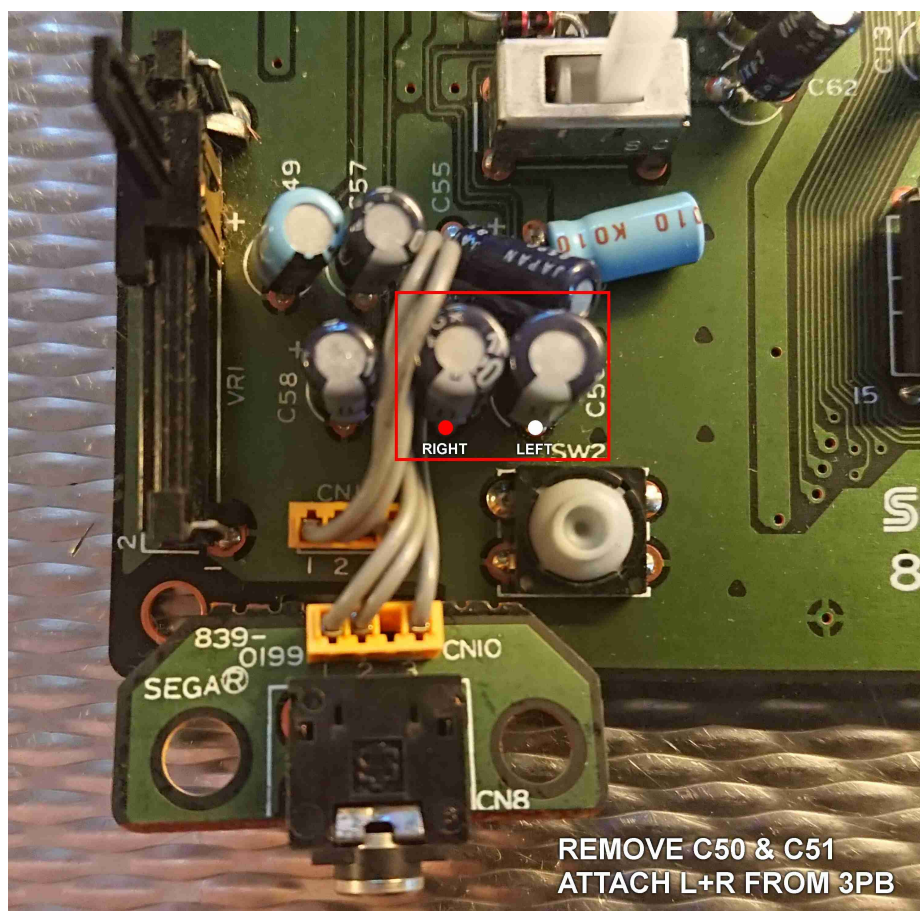
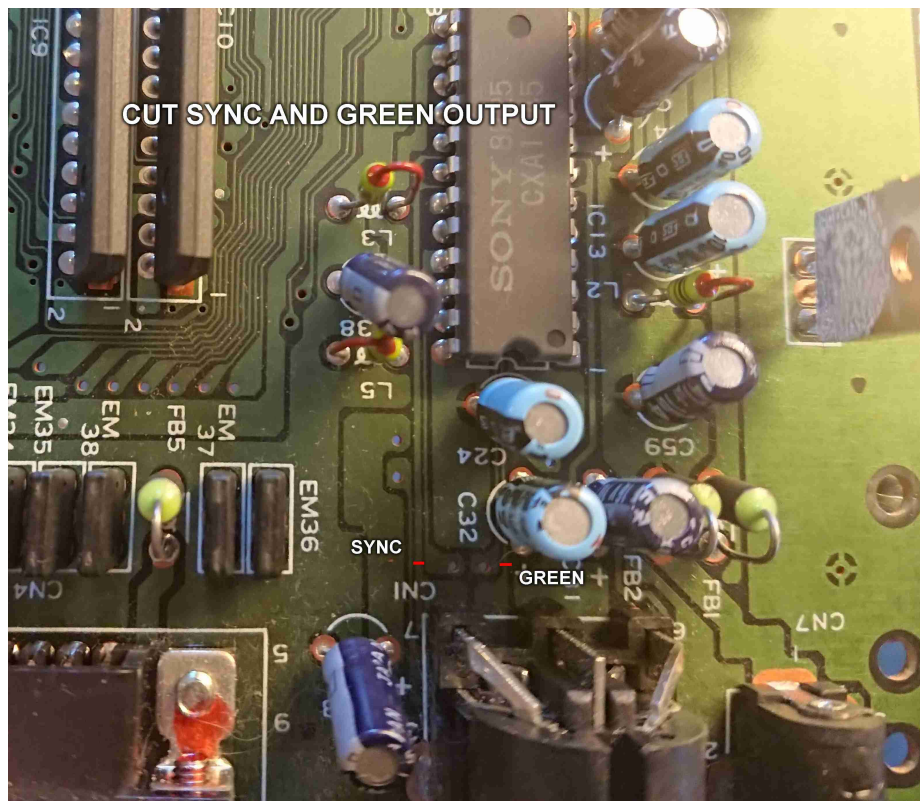
TRIPLEBYPASS MD1 JP AV0 INSTALLATION GUIDE



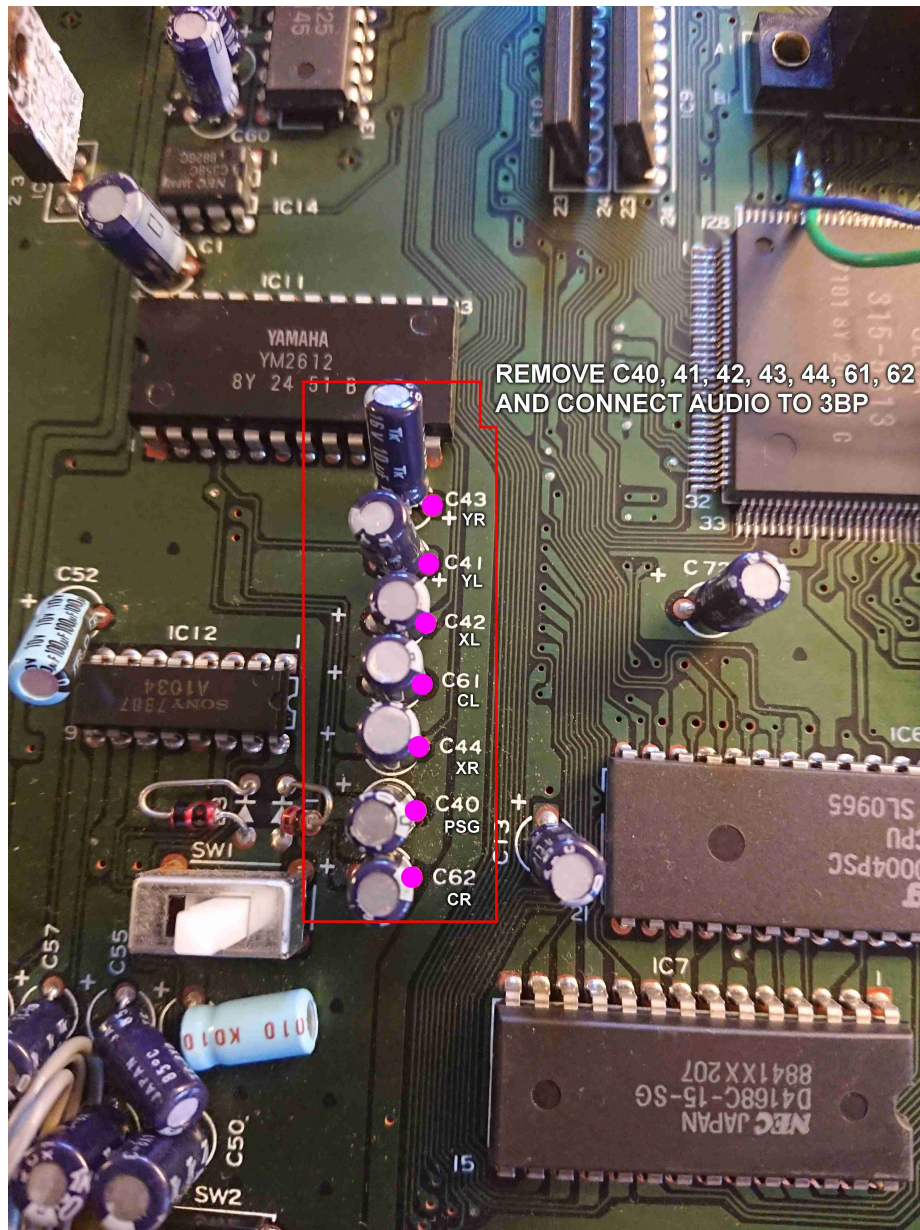
Remember RGB becomes reverse on topside, cutting the sync line here is optional, some guides shows adding an 4.7uF 1206 on topside but might be unnecessary as there is one at the bottom, it might lower the jailbar a little by skipping all of this and just lift the 27,28,29 pin on the VDP and connecting directly there instead.



This particular model does not have any good place for the 3BP, other versions featuring the RF port can use that space when removed and use an extra MiniDIN, this model can not, the only place left is the heatsink, not ideal but with kapton tape underneath and doublesided foam tape (3M) it should isolate enough from the heat.



Since the DIN out is only mono, and with this mod unusable the only good way to use the now cleaner audio signal is to connect it to the stereo jack in the front, now acting more like a lineout and less like a headphone jack, and the volume slider no longer serves any function.



5V can be obtained at the + on C72 (from IC15 7805) or + on C13 (from IC17 7805), it's IC17 voltage that's connected to the DIN output, while this model seems to be hard to get rid of all jailbars taking voltage for 3BP from C13 lowers it a little but becomes wavy instead, nearly invisible with a certain distance between each wave and stronger on the others instead, so C72 is still preferred.

Thin shielded cables for audio both in and out of 3BP would be preferred but since there is no place to connect the shield beside each connection makes that impossible unless scraping of some soldermask next to each connection and connect the shield there, that way any hum would be kept at its lowest.

The only cables needed to be connected on the bottom is the output from 3BP, (R, G, B, CS).

There are two syncs out from 3BP, Composite Sync (TTL) marked CS or Composite Sync (75 ohm) marked 75, for Extron switches and PRO stuff use CS, for all other equipment use 75, especially on scalars and linedoublers.

If the cables used are using pin 3 for Composite Video as Sync (CBVS) you need to cut that line on topside next to the sync line and connect them both underneath the DIN, it won't show Composite Video anyhow but it will work with cables using either CBVS or CS, the sync is otherwise on pin 7.