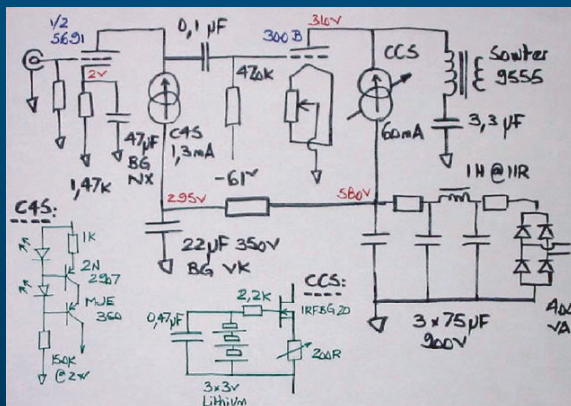
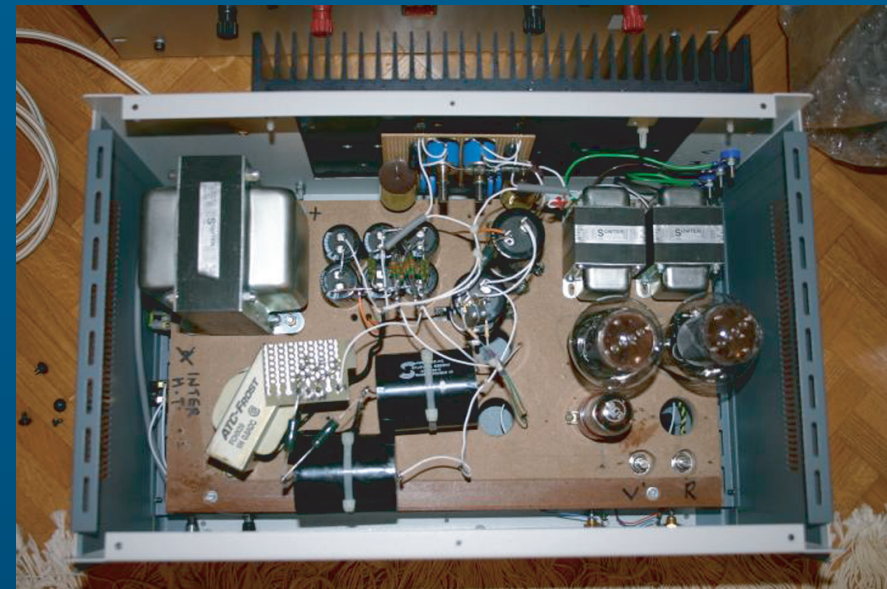


Dominique's stuff

Stereo single ended 300B "parafeed" amplifier

This amplifier is using 2 stages and an output "paralled feed" configuration. The input/driver stage is made of one single NOS 5691 RCA "Red Base" double triode in an anode follower topology. Each triode is loaded with a C4S constant current source from John Camille, simple and very efficient. The voltage stage gain is around 62. The grid of each 300B is RC coupled to the anode of each input triode and the fixed bias is set to -61V through a RC network (the negative supply is adjustable).



The 300B is anode loaded with a **single mosfet** adjustable constant current source set to 60 mA then the filament is connected straight to ground. The **Sowter 9555** gapless S.E. output transformer (30% mumetal core, bandwidth : 5 Hz to 75 kHz, power is 10W RMS) is connected across the anode and the filament return of the 300B through a 3.3 μ F capacitor.

At the end, the 310VDC anode voltage allows the 300B to deliver a nice 5.5W per channel into 8 ohm with minimal distortion.