

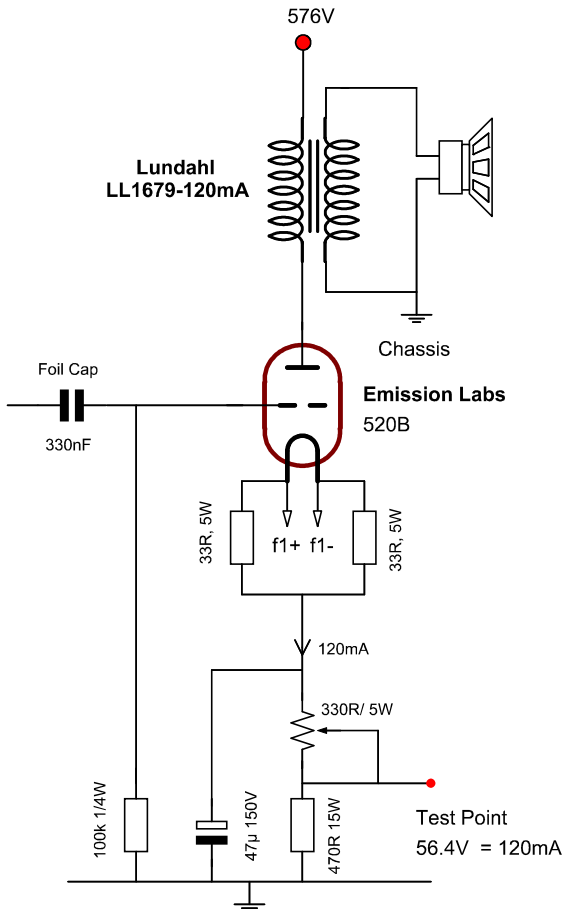
Some Considerations: This here, is they "typical" operating point from the data sheet. It was just taken here as example, though this indeed a very good working point.

Coupling Capacitor: -3dB Cut off frequency is 5Hz. Lower cut off will only cause surge current during power on.

Bias Capacitor: -3dB Cut off also 5Hz. Transformer roll off is similar, so total roll off is appr -9dB per octave, beginning at 5Hz, and response at 20Hz is flat.

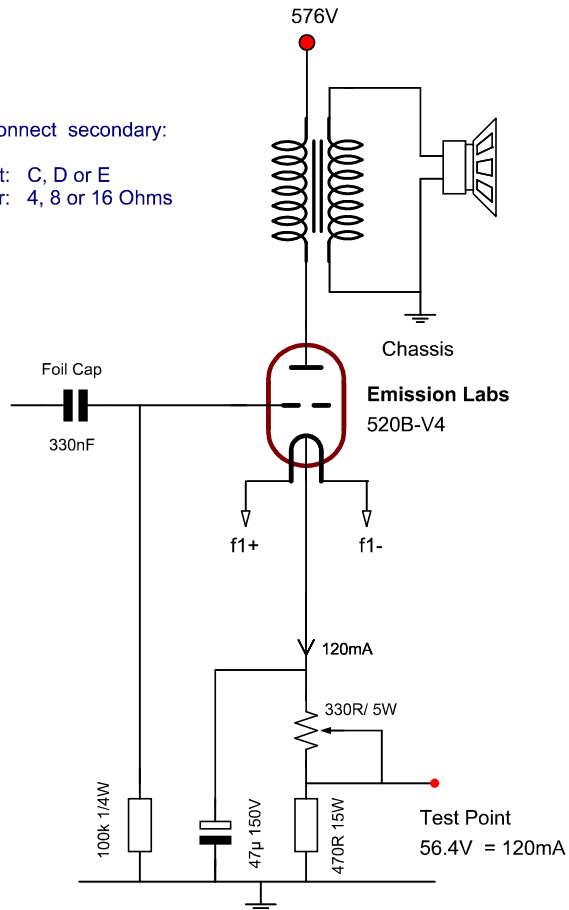
Bias control: Use of 330R pot meter, allows adaption to individual tubes, and power supply voltage can have some variation too. Much recommended during experimetal phase. One meter costs less than a pair of tubes!

Supply Voltage in data sheets is always against heater. In Schematics it is against ground.



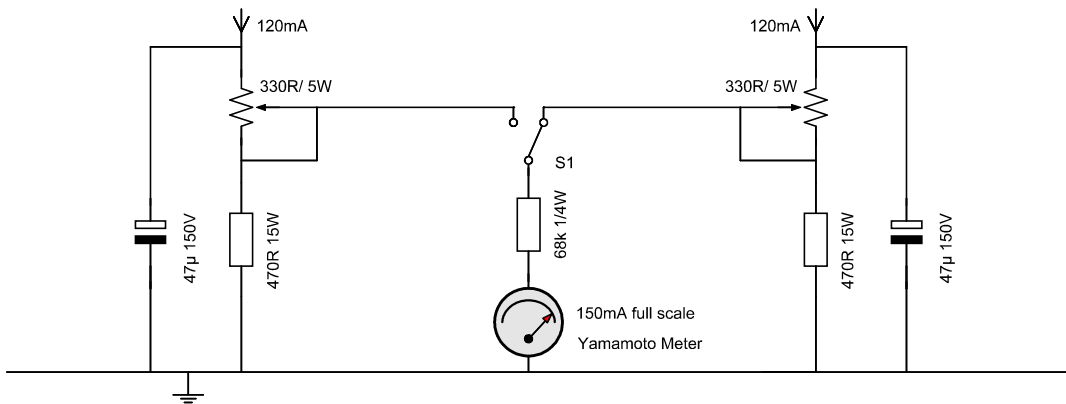
Auto Bias Scheme for 520B

Connect secondary:
Alt: C, D or E
for: 4, 8 or 16 Ohms



Auto Bias Scheme for 520B-V4

V4 Scheme will have 0.3Watt higher peak power.



Recommended use of Yamamoto meter

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