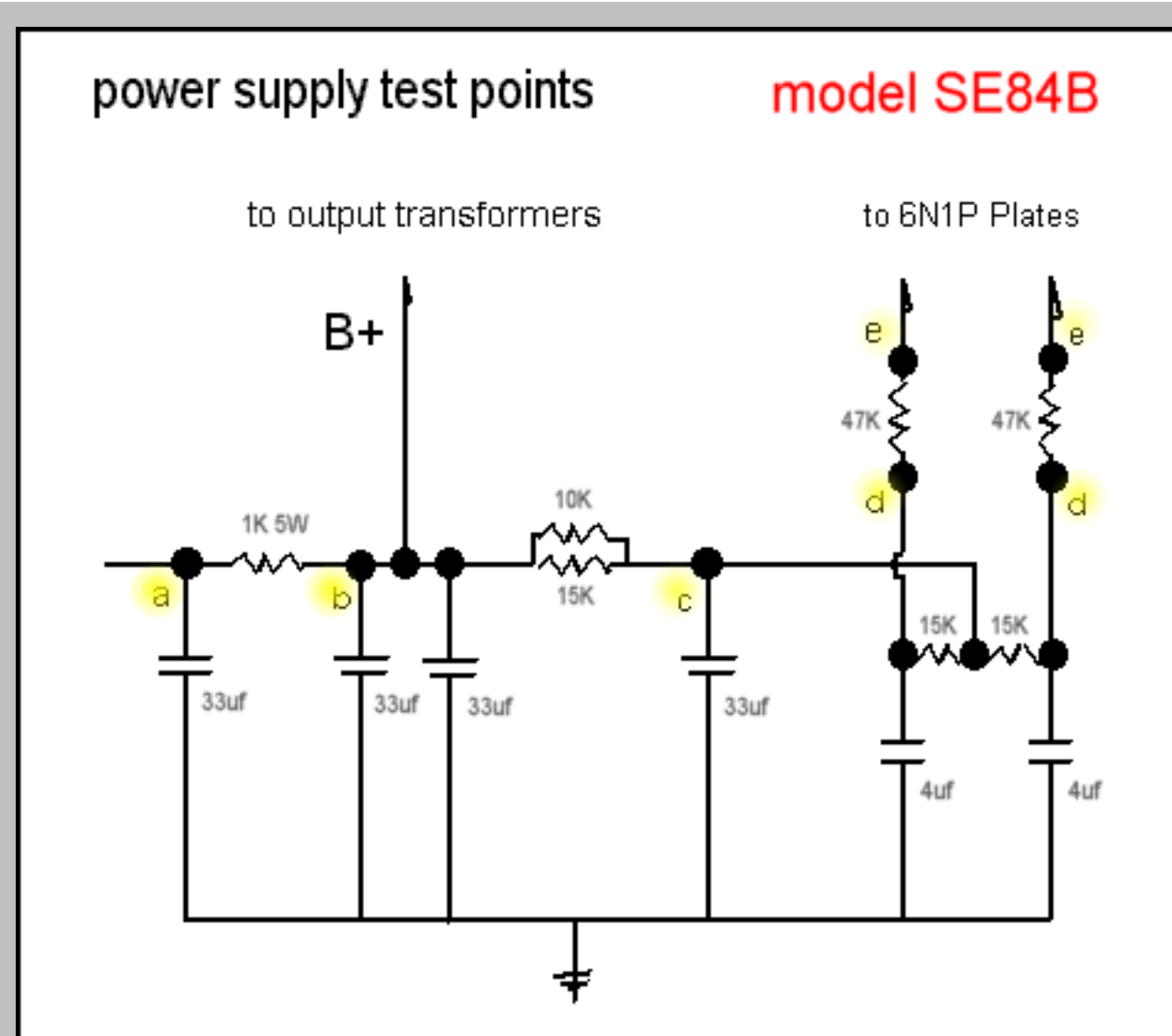


DECWARE Zen Triode Amplifier Model SE84B

KIT ASSEMBLY INSTRUCTIONS

TESTING

MODEL SE84B



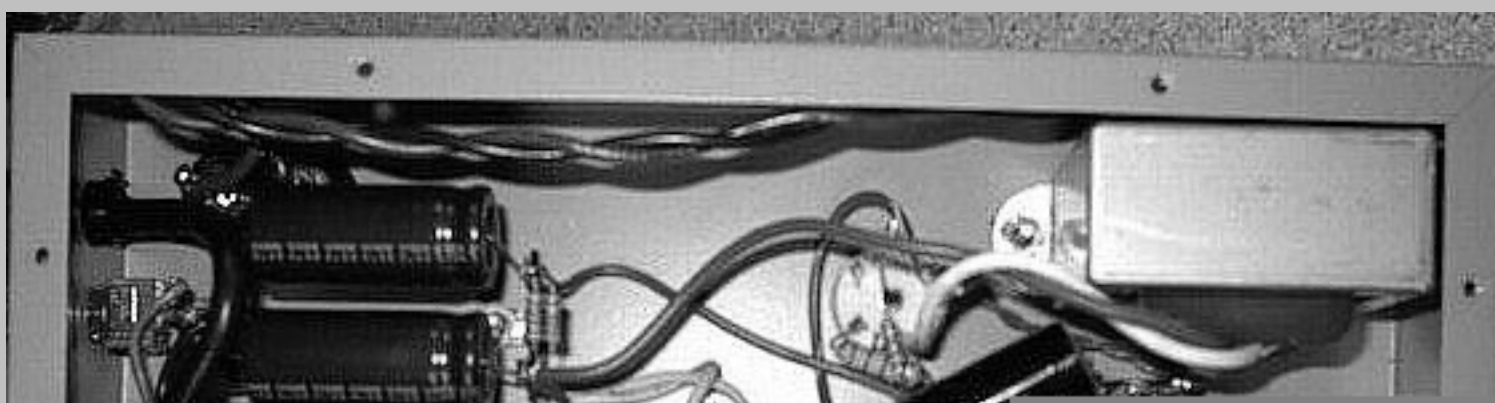
	position 1	position 2
A	407 Volts	406 Volts
B	331 Volts	330 Volts
C	310 Volts	298 Volts
D	284 Volts	260 Volts
E	207 Volts	143 Volts

Position 1 of this switch causes the bias resistor to read around 4.6 Volts when read on pin 3 or pin 8 of the 6N1P.

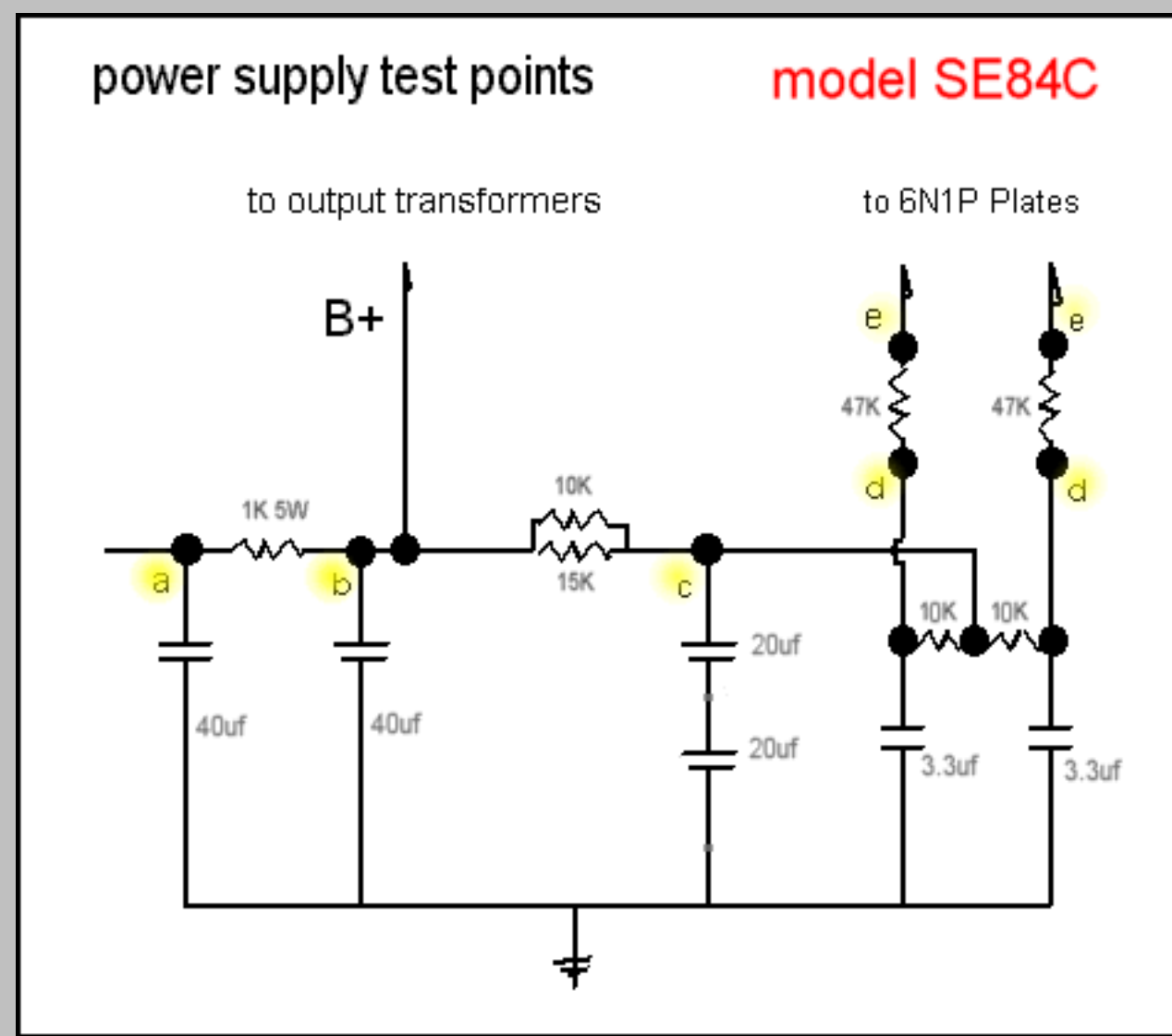
Position 2 of this switch causes the bias resistor to read around 2.6 Volts when read on pin 3 or pin 8 of the 6N1P.

SV83 OUTPUT TUBE SOCKETS	PIN 3	9.6 to 10.6 Volts
	PIN 7	318 Volts
	PIN 9	312 Volts
6N1P INPUT TUBE SOCKET	PIN 3	2.4 / 4.6 Volts
	PIN 8	2.4 / 4.6 Volts

LAYOUT SE84B



MODEL SE84C



	position 1	position 2
A	407 Volts	406 Volts
B	331 Volts	330 Volts
C	310 Volts	298 Volts
D	284 Volts	260 Volts
E	207 Volts	143 Volts

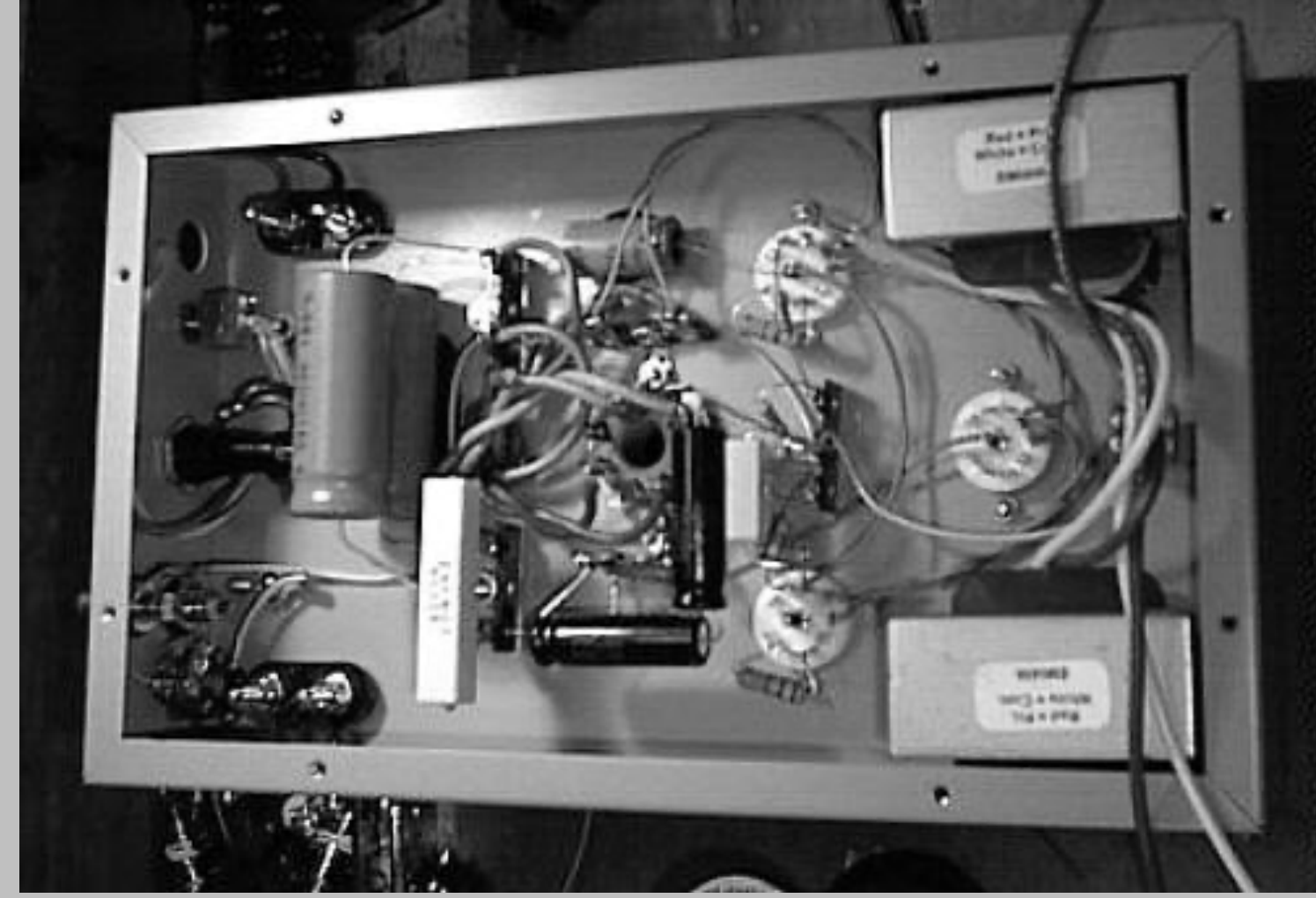
Position 1 of this switch causes the bias resistor to read around 4.6 Volts when read on pin 3 or pin 8 of the 6N1P.

Position 2 of this switch causes the bias resistor to read around 2.6 Volts when read on pin 3 or pin 8 of the 6N1P.

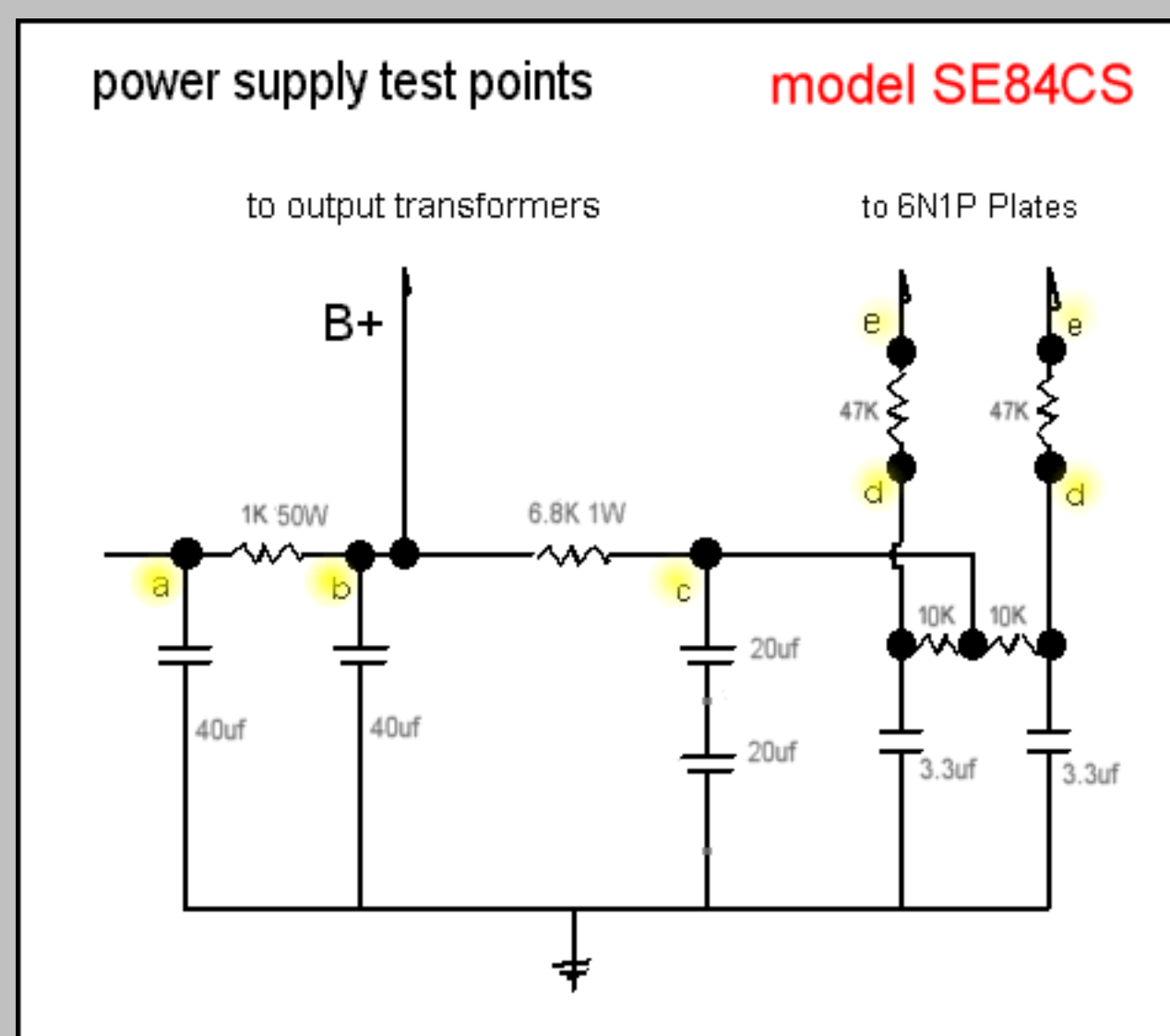
SV83 OUTPUT TUBE SOCKETS	PIN 3	9.6 to 10.6 Volts
	PIN 7	318 Volts
	PIN 9	312 Volts
6N1P INPUT TUBE SOCKET	PIN 3	2.4 / 4.6 Volts
	PIN 8	2.4 / 4.6 Volts

NOTE: The working voltages of SE84B and SE84C are virtually the same.

PARTIAL LAYOUT SE84C



MODEL SE84CS



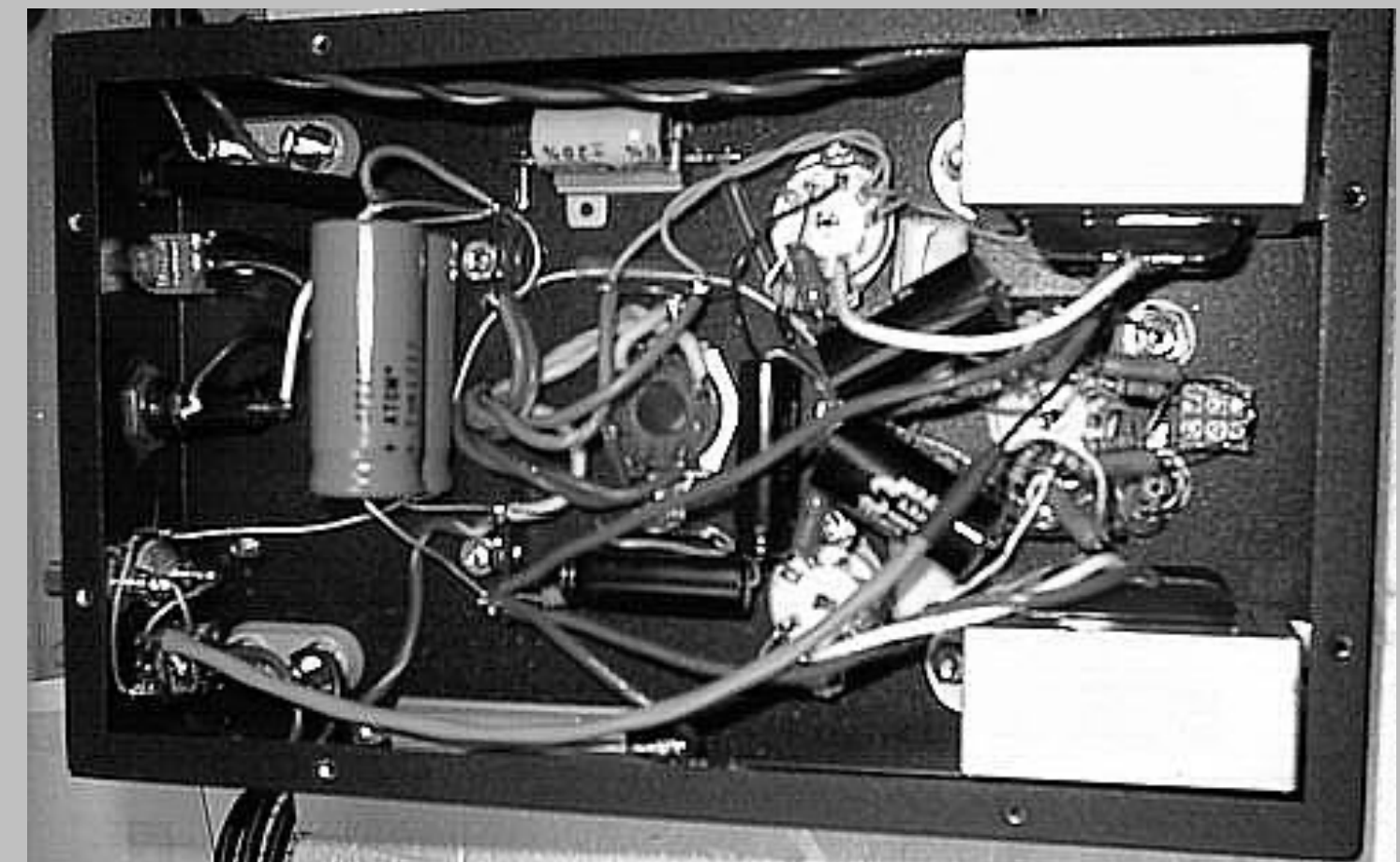
	position 1	position 2
A	365 Volts	365 Volts
B	284 Volts	283 Volts
C	262 Volts	250 Volts
D	246 Volts	225 Volts
E	169 Volts	108 Volts

Position 1 of this switch causes the bias resistor to read around 4.3 Volts when read on pin 3 or pin 8 of the 6N1P.

Position 2 of this switch causes the bias resistor to read around 2.3 Volts when read on pin 3 or pin 8 of the 6N1P.

SV83 OUTPUT TUBE SOCKETS	PIN 3	7.6 to 8.6 Volts
	PIN 7	273 Volts
	PIN 9	263 Volts
6N1P INPUT TUBE SOCKET	PIN 3	2.3 / 4.3 Volts
	PIN 8	2.3 / 4.3 Volts

LAYOUT SE84CS



NOTES:

To test your amplifier before trying to play it, the first thing is to see where the voltages land. Above are schematics of the various filter sections of the power supply. The yellow wire with the stripe coming from the power transformer is the rectified B+ that connects to the first section of the filter network. This is point A. Take your meter and connect the ground to the ground wire in the chassis and read the voltages at the illustrated points.

To test these voltages, you should have the volume pot turned all the way off, and no load hooked to the amplifier. Also the position on the input stage bias switch will change the voltages so we will list both values for each point.