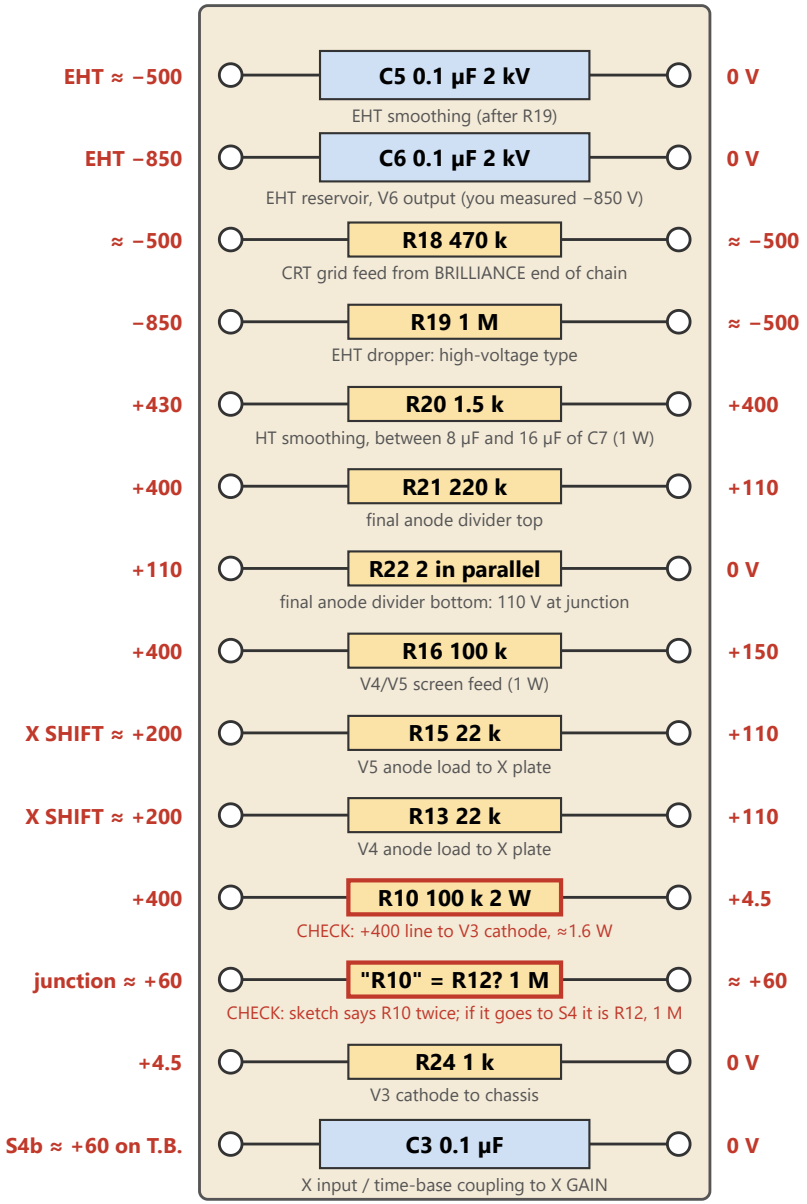
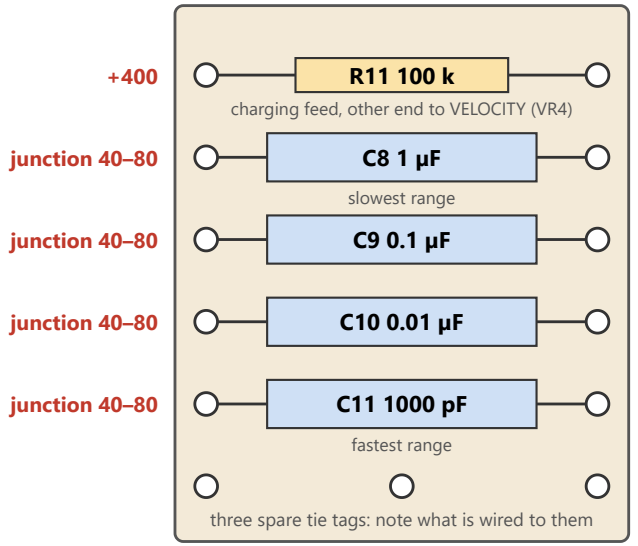
1200B group boards: values (from circuit) and expected tag voltages (DC to chassis)

Layout after the maker's sketch (manual p.15). The sketch does not show which end is which, so confirm each tag's connection before relying on the voltage.



GROUP BOARD No. 1 (long strip, left side)



GROUP BOARD No. 2 (small, centre)

Key

Red = expected DC volts to chassis,
valves in, S4 on T.B.
"junction" = timing-capacitor node: S4a wiper, top of
C8–C11, R9 to V3 anode, R12.
It carries a 40–80 V sawtooth; a DC meter reads about 50–60 V.
S3 end of C8–C11: selected range at V3 cathode
(+4.5 V); the others float.
X SHIFT ends ≈ +200 V, knob central;
they move as you turn it.
With V4/V5 out, R13/R15 and X SHIFT
all read ≈ +400 V.

Watch

R10 dissipates about 1.6 W: use a 2 W (or 3 W) 100 k.
A ¼ W modern resistor here will cook.
The two modern 4.7 k found in the "R10" positions
were later additions, not on the drawing.
Discharge C5, C6 and C7 before touching any tag.

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