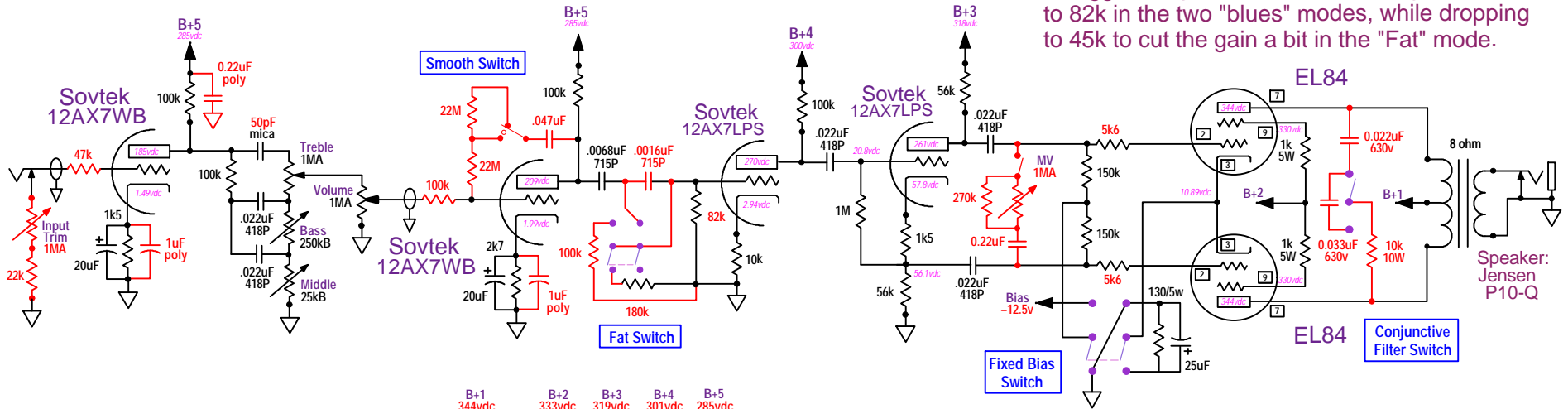


Blues Express Plus Version A8a



The Blues Express Plus adds a "Fat" switch to allow for more Marshall-ish sounds by using a switchable .0068uF coupling cap after the second stage. In the other modes this cap is run in series through a .0016uF cap which results in a net capacitance of 1295pF. A center-off DPDT switch was used to toggle the grid load of the 3rd stage from 56k to 82k in the two "blues" modes, while dropping to 45k to cut the gain a bit in the "Fat" mode.

The switchable conjunctive filter was used to smooth out the response of the amp, making the 250pF caps across the 2nd and 3rd plate resistors unnecessary. With the .022uF and .033uF caps in series the net capacitance is .0132uF.

The Smooth switch is a local feedback loop between the plate and grid of the 2nd stage. The traditional value of 22M allows for a compressed sound while the alternate value of 44M has a more subtle effect.

Revisions from Versions 2 & 5
shown in RED

Inspired by designs from Ken Fischer

Rev.05-03-01

