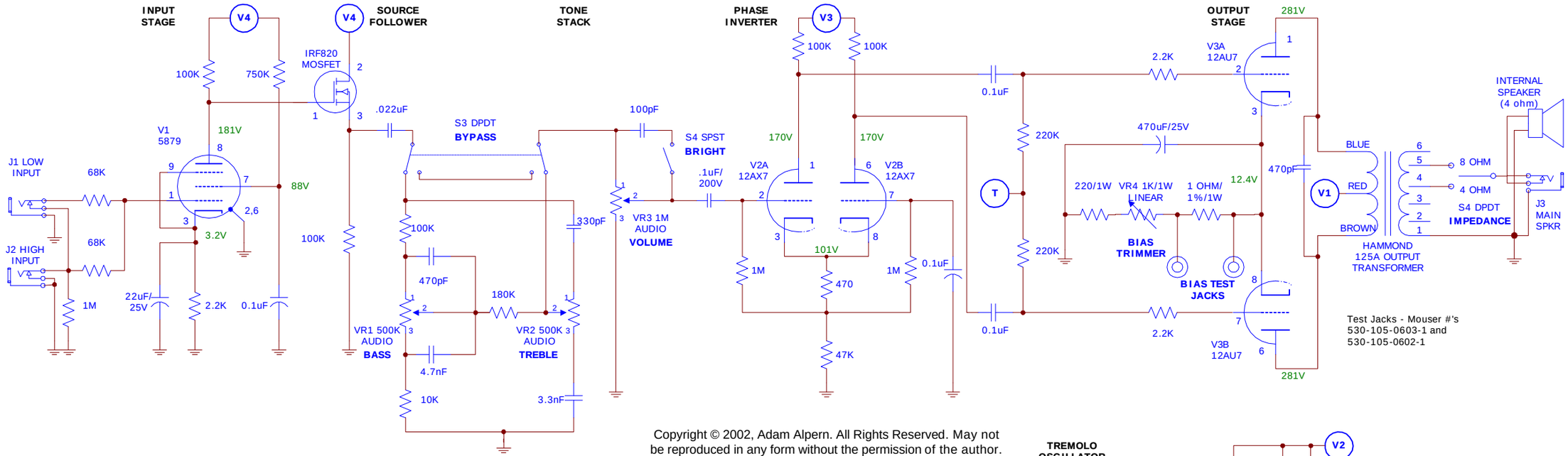

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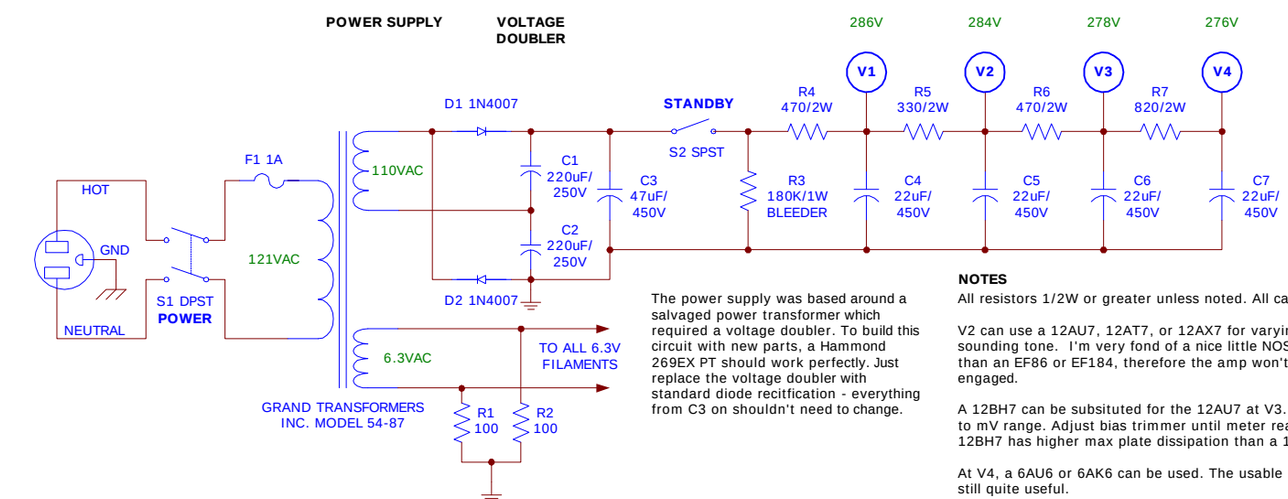
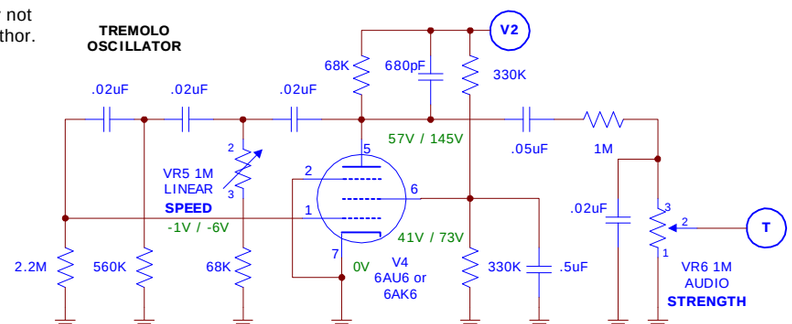


The power supply was based around a salvaged power transformer which required a voltage doubler. To build this circuit with new parts, a Hammond 269EX PT should work perfectly. Just replace the voltage doubler with standard diode recitfication - everything from C3 on shouldn't need to change.



NOTES

All resistors 1/2W or greater unless noted. All capacitors 400V or greater unless noted.

V2 can use a 12AU7, 12AT7, or 12AX7 for varying amounts of gain. A 12AU7 results in a mostly clean, very warm sounding tone. I'm very fond of a nice little NOS GE 7025 in that position. At V1, the gain of the 5879 is lower than an EF86 or EF184, therefore the amp won't get into really ripping distorted territory with the tone stack engaged.

A 12BH7 can be subsituted for the 12AU7 at V3. To bias, insert meter probes into bias test jacks and set meter to mV range. Adjust bias trimmer until meter reads betwee 12-14mV or so, about 1.75W plate dissipation. A 12BH7 has higher max plate dissipation than a 12AU7, so this may be increased if a 12BH7 is used.

At V4, a 6AU6 or 6AK6 can be used. The usable range with a 6AK6 is limited, but it does work, and the range is still quite useful.

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Conversion of a HeathKit CB-1 Transceiver	
Revision 1 FINAL	
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