

TESTPOINT VOLTAGES

Voltages were measured with a maximum 32mA cathode current in the output tubes.

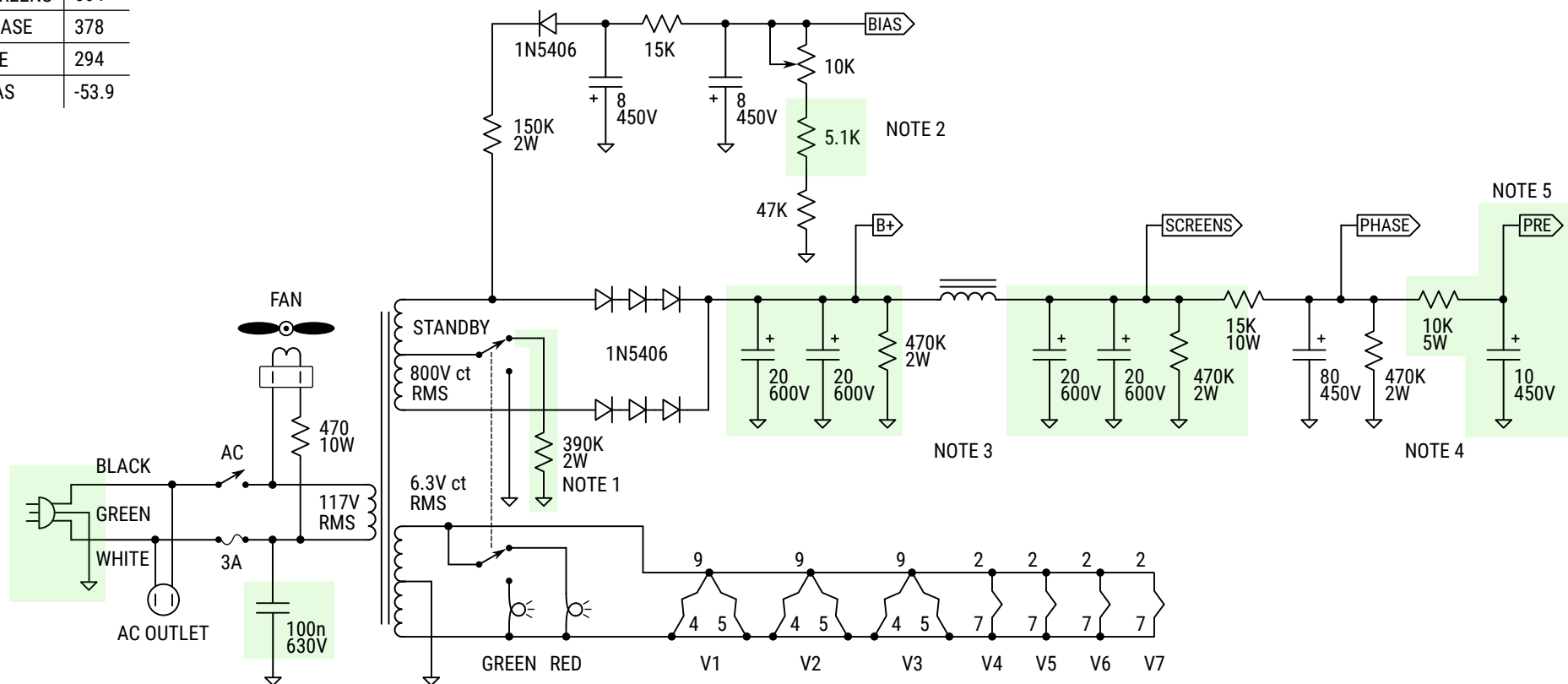
testpoints

AC MAINS	121.8
B+	567
SCREENS	564
PHASE	378
PRE	294
BIAS	-53.9

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<https://github.com/rshpeley/yba3mods>


NOTE 1

In standby mode the 390K resistor provides limited current to the power supply caps which reduces inrush current when the amp is switched out of standby mode. If the amp has not been powered on for more than one year the amp should be left in standby mode (standby switch down) for at least 8 hours.

NOTE 2

5.1K resistor is required when suppressors grounded. Trim the potentiometer to obtain 32mA max cathode current in output tubes.

NOTE 3

Stacked power caps found in all revisions of the YBA-3 are prone to cascade failure in the stack. Higher voltage caps which are not stacked improve reliability.

NOTE 4

The PHASE and PRE filter caps are subject to overvoltage stress when the AC is switched on when not in standby. Ensure the standby switch is ALWAYS in the down position before turning on power to the amp.

NOTE 5

The '68 mod to reduce voltage and filter the preamp stage has been added.

CAUTION

NEVER POWER ON WITH THE TUBES REMOVED!

YBA-3 CUSTOM SPECIAL MID 1967 MIKE'S MODS

Power Supply

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