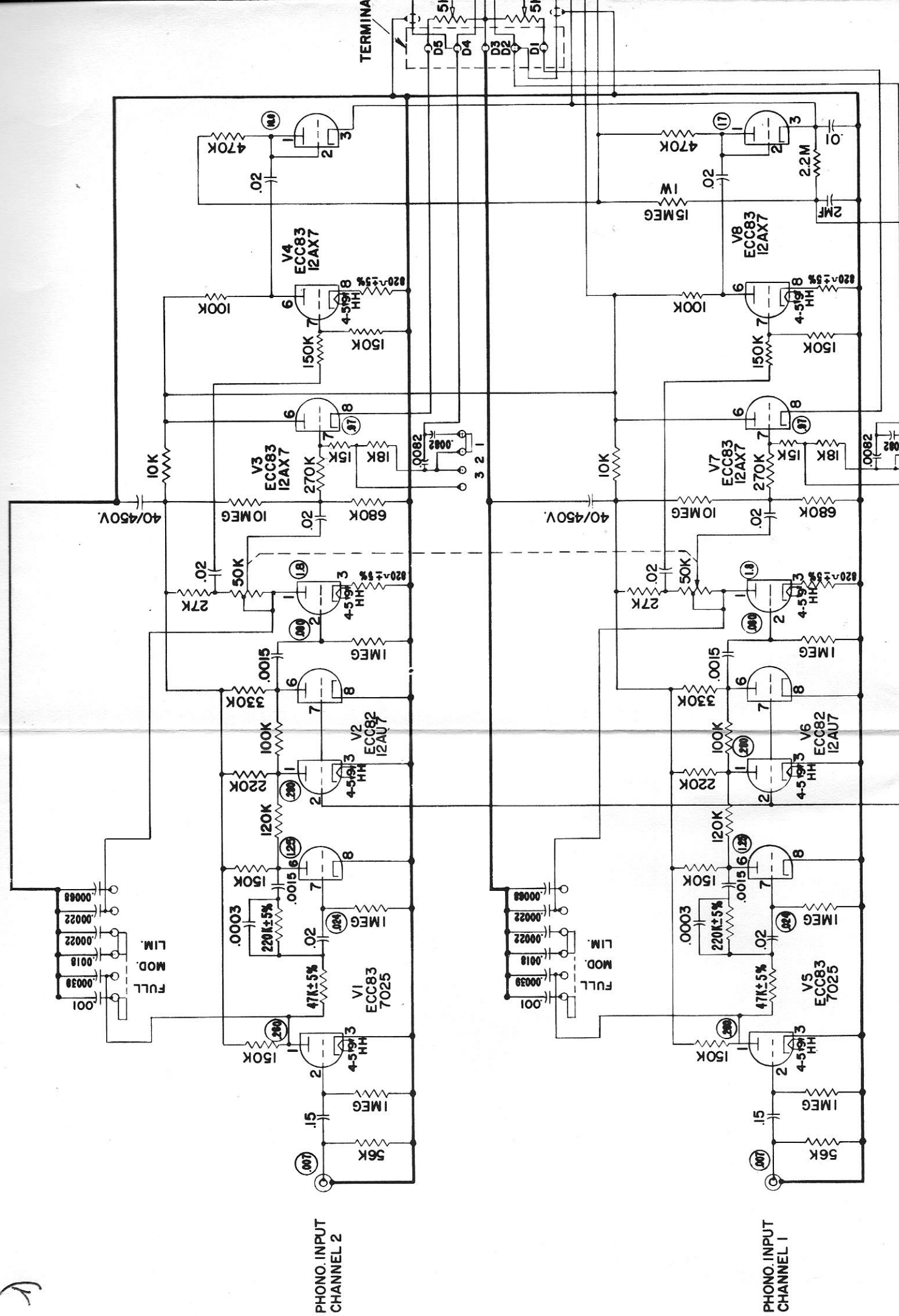
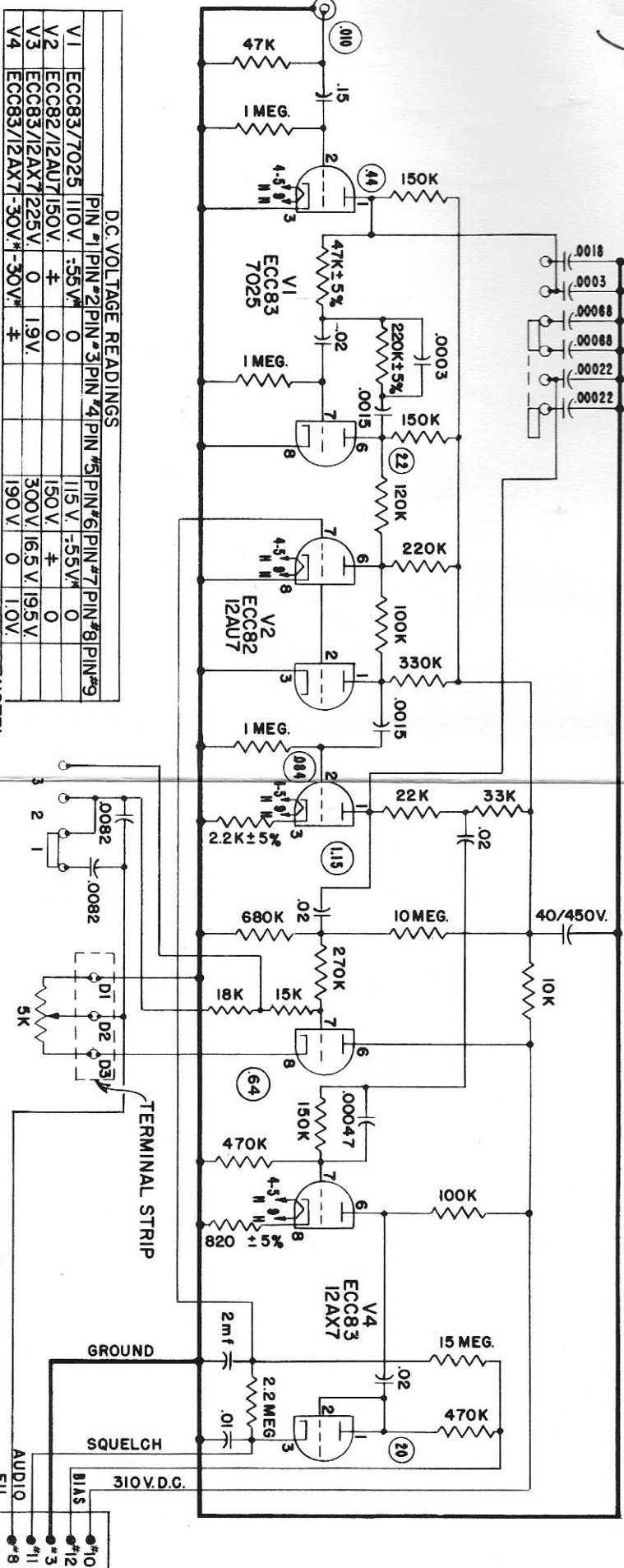




V1	V5	ECC83/7025	120V	-70V*	0	30V	-70V*	0
V2	V6	ECC82/12AU7	190V	+	0	205V	+	0
V3	V7	ECC83/12AX7	195V	0	12V	300V	165V*	18.5V
V4	V8	ECC83/12AX7	-30V*	-30V*	+	170V	0	0

* MEASURED WITH A V.T.V.M.
* MEASUREMENTS UNRELIABLE AS EVEN A V.T.V.M. WILL LOAD CIRCUIT AND VOLTAGES WILL VARY WITH SIGNAL LEVEL.

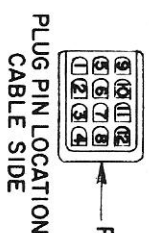
Resistor ratings are 1/2 watt and resistance values are ± 10 otherwise noted.
D.C. voltages are measured to ground with a 20,000 ohms per meter, no signal input.
Signal voltages are encircled (007) and measured to ground A.C. V.T.V.M.
The signal frequency must be 1 kc with volume control at max. frequency range switch at full and fidelity equalizer set at 1



* MEASURED WITH A V.T.V.M.
* MEASUREMENTS UNRELIABLE AS EVEN A V.T.V.M. WILL LOAD CIRCUIT AND VOLTAGES WILL VARY WITH SIGNAL LEVEL.

D.C. VOLTAGE READINGS									
V1	ECC83/7025	110V	-55V*	0	115V	-55V*	0	115V	-55V*
V2	ECC82/12AU7	150V	+	0	150V	+	0	150V	+
V3	ECC83/12AX7	225V	0	19V	300V	165V*	18.5V	300V	165V*
V4	ECC83/12AX7	-30V*	-30V*	+	190V	0	10V	190V	0

NOTE:
Capacitor ratings are 500V min. unless otherwise noted.
Resistor ratings are 1/2 watt and resistance values are $\pm 10\%$ unless otherwise noted.
D.C. voltages are measured to ground with 20,000 ohms per volt meter no signal input.
Signal voltages are encircled (010) and measured to ground with an A.C. V.T.V.M. The signal frequency must be 1 K.C. with volume control at max., high frequency range switch at full and fidelity equalizer set at 1.

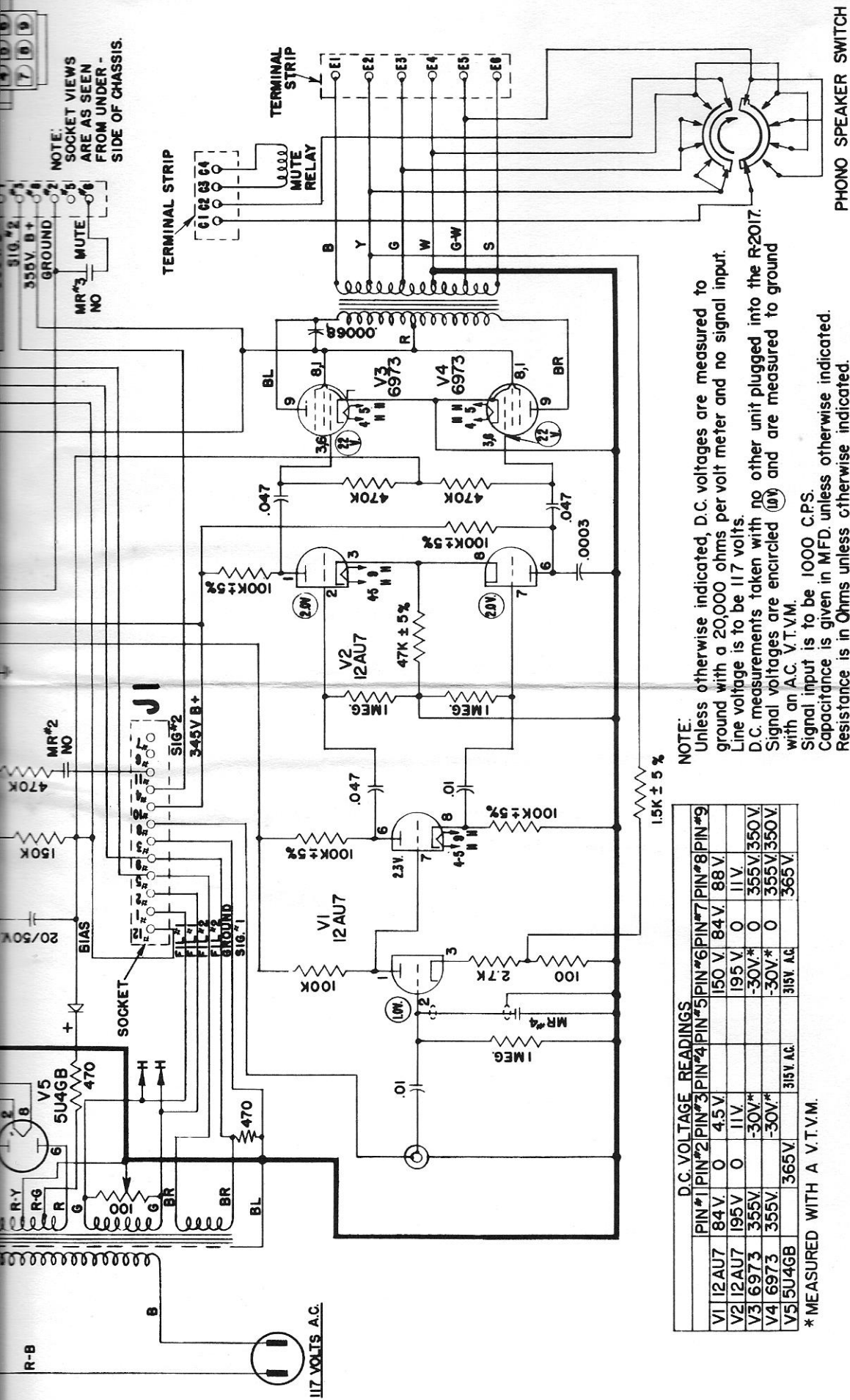




D.C. VOLTAGE READINGS

NOTE:
Unless otherwise indicated, D.C. voltages are measured to ground with a 20,000 ohms per volt meter and no signal input.

Unless otherwise indicated, D.C. voltages are measured to ground with a 20,000 ohms per volt meter and no signal input. Line voltage is to be 117 volts. Signal voltages are encircled (10V) and are measured to ground with an A.C. VTVM. Signal input is to be 1000 C.P.S. Capacitance is given in MFD unless otherwise indicated. Resistance is in Ohms unless otherwise indicated. Capacitor voltage ratings are 500 V. min. unless otherwise indicated. Resistors are 1/2 watt $\pm 10\%$ unless otherwise indicated.



D.C. VOLTAGE READINGS									
	PIN#1	PIN#2	PIN#3	PIN#4	PIN#5	PIN#6	PIN#7	PIN#8	PIN#9
V1	12A U7	84V	0	4.5V		150 V	84V	88 V	
V2	12A U7	195V	0	11V		195 V	0	11 V	
V3	6973	355V		-30V*		-30V*	0	355V	350 V
V4	6973	355V		-30V*		-30V*	0	355V	350 V
V5	5U4GB	365V		315V A.C.		315V A.C.		365V	

* MEASURED WITH A V.T.V.M.

NOTE:

Unless otherwise indicated, D.C. voltages are measured to ground with a 20,000 ohms per volt meter and no signal input. Line voltage is to be 117 volts. D.C. measurements taken with no other unit plugged into the R-2017. Signal voltages are encircled (u) and are measured to ground with an A.C. V.T.V.M. Signal input is to be 1000 CPS. Capacitance is given in MFD. unless otherwise indicated. Resistance is in Ohms unless otherwise indicated. Capacitor voltage ratings are 500 V. min. unless otherwise indicated. Resistors are $\frac{1}{2}$ watt $\pm 10\%$ unless otherwise indicated. Phone speaker switch shown in full clockwise position as viewed from top of chassis.

TIC CHART

Ami Barney