



ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION  
(CONTROL VIEWED FROM SHAFT END)

⊖ SEE PARTS LIST FOR ALTERNATE  
VALUE OR APPLICATION

1. DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured at 1000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of  $\pm 15\%$  in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.

RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12AX7	† 310K	3.3meg	0 $\Omega$	.1 $\Omega$	.1 $\Omega$	† 310K	120K	1500 $\Omega$	.1 $\Omega$
V2	12AX7	† 265K	170K	470 $\Omega$	.1 $\Omega$	.1 $\Omega$	† 265K	1meg	2200 $\Omega$	.1 $\Omega$
V3	6V6GT	NC	.1 $\Omega$	† 160 $\Omega$	† 10K	430K	NC	.1 $\Omega$	325 $\Omega$	
V4	6V6GT	NC	.1 $\Omega$	† 140 $\Omega$	† 10K	490K	NC	.1 $\Omega$	325 $\Omega$	
V5	6AX5GT	NC	.1 $\Omega$	90 $\Omega$	NC	100 $\Omega$	NC	.1 $\Omega$	20K(Min)	

† MEASURED FROM PIN 8 OF V5  
NC NO CONNECTION

