

Princeton Test Voltages Rev 1

V1 12AX7	PLATE	GRID	CATHODE	HEATER	HEATER	PLATE	GRID	CATHODE	HEATER
PIN	1	2	3	4	5	6	7	8	9
Design	160.0		1.3	H	H	160.0		1.3	H
Measured	152.8		1.2	H	H	152.6		1.2	H

V2 12AT7	PLATE	GRID	CATHODE	HEATER	HEATER	PLATE	GRID	CATHODE	HEATER
PIN	1	2	3	4	5	6	7	8	9
Design	400.0		8.0	H	H	400.0		8.0	H
Measured	352.5		7.0	H	H	352.0		7.0	H

V3 12AX7	PLATE	GRID	CATHODE	HEATER	HEATER	PLATE	GRID	CATHODE	HEATER
PIN	1	2	3	4	5	6	7	8	9
Design	160.0		1.2	H	H	160.0		1.2	H
Measured	150.5		1.2	H	H	150.8		1.2	H

V4 12AX7	PLATE	GRID	CATHODE	HEATER	HEATER	PLATE	GRID	CATHODE	HEATER
PIN	1	2	3	4	5	6	7	8	9
Design	260.0		2.4	H	H	200.0		50.0	H
Measured	217.7		2.0	H	H	179.3		52.3	H

Power Tubes 6V6GT	N/A	HEATER	PLATE	SCREEN	GRID	N/A	HEATER	CATHODE
	1	2	3	4	5	6	7	8
Design	N/A	H	410.0	400.0	-34.0	N/A	H	0.0
V5 INNER	N/A	H	366.0	354.6	-32.9	N/A	H	0.0
V6 OUTER	N/A	H	366.2	355.1	-32.9	N/A	H	0.0

Rectifier GZ34	N/A	HEATER	N/A	PLATE	HEATER	PLATE	H/K
	1	2	3	4	5	6	8
Design	N/A	H	N/A	340	H	340.0	420.0
Measured	N/A	H	N/A	294	H	294.0	368.0

	A	B	C	D	V input			HEATER	HEATER
Design	420.0	400.0	320.0	240.0	120.0			3.15	3.15
Measured	368.5	356.0	295.8	231.0	120.0			3.20	3.20

		MAX PD
OUTPUT TUBE TYPE:	6V6GT	12

OUTPUT TUBE	OUTPUT TRANS RESISTANCE	VOLTAGE DROP	PLATE CURRENT	PLATE VOLTAGE	PLATE DISSIPATION	% MAX PD	GRID VOLTAGE	COMMENTS
OUTER	116.0	2.062	0.018	366.2	6.5	54.2	-32.9	
INNER	115.5	2.065	0.018	366.0	6.5	54.5	-32.9	

No Input signal
 All controls set to '1'
 Tremolo off
 8 ohm dummy load
 470 ohm screen resistors on output tubes
 Changed power supply dropping resistors from 18K/18K to 15K/16K