Princeton Test Voltages Inital Build

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	164.8		1.2	H	H	164.6		1.3	H

V2 12AT7	PLATE	GRID	CATHODE	HEATER	HEATER	PLATE	GRID	CATHODE	HEATER
	1	2	3	4	5	6	7	8	9
Design	400.0		8.0	H	H	400.0		8.0	H
Measured	397.0		7.9	H	H	397.0		7.9	H

V3 12AX7	PLATE	GRID	CATHODE	HEATER	HEATER	PLATE	GRID	CATHODE	HEATER
	1	2	3	4	5	6	7	8	9
Design	160.0		1.2	H	H	160.0		1.2	H
Measured	163.5		1.3	H	H	163.0		1.3	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	248.1		2.3	H	H	193.6		55.7	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	412.0	402	-36	N/A	H	
V6 OUTER	N/A	H	412.0	402	-36	N/A	H	

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	335	H	225.0		415.0

	A	B	C	D		V input			HEATER	HEATER
Design	420.0	400.0	320.0	240.0		120.0			3.15	3.15
Measured	415.0	403.0	326.0	248.0		120.0			3.15	3.15

		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	119.5	2.698	0.023	412.0	9.3	77.5	-36	
INNER	120.7	2.725	0.023	412.0	9.3	77.5	-36	

No Input signal
All controls set to '1'
Tremolo off
8 ohm dummy load
470 ohm screen resistors on output tubes
Hammond PT 290AX