



Tube Voltage Chart

	V1	V2	V3	V4	V5
1	217	314	243		
2	g1	g1	g1	fil	fil
3	1.26	81.2	11.30	438	438
4	fil	fil	fil	435	433
5	fil	fil	fil	g1	g1
6	270	224	240		
7	g1	g1	g1	fil	fil
8	2.18	1.53	11.30	40.2	42.0
9	fil	fil	fil		

A = 444V V4 Ib = 68mA
 B = 420V V5 Ib = 70mA

NOTES:

- 1) Output power with 430V Va will be about 50W into a 6Ka-a load.
- 2) Hammond 1650A OT is 6.6Ka-a and will yield slightly less power.
- 3) Preamp out / Power in jacks may be omitted.
- 4) Tune R11 as this is 30W amp, R11 will need to be adjusted to compensate.
- 5) C20 and C21 is a pair of 50uF/50uF dual section cans.
- 6) C6 and C13 is a single 50uF/50uF dual section can, each can strapped in parallel.
- 7) A JCM 800 50W project chassis would be a good fit for this circuit.
- 8) "*" denotes that part is not OEM value.

Forum Amps		
Major Minor IIIa		
50W Marshall Major	Rev 1.4 9/11/2014	P. Mitcheltree