



Tube Voltage Chart

	V1	V2	V3	V4	V5
1	345	235	173		
2	g1	g1	g1	fil	fil
3	3.45	82	7.95	453	453
4	fil	fil	fil	450	448
5	fil	fil	fil	g1	g1
6	245	231	171		
7	g1	g1	g1	fil	fil
8	1.26	1.64	7.95	41.7	43.6
9	fil	fil	fil		

A = 460V      V4 Ib = 70mA  
 B = 440V      V5 Ib = 72mA

**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, each can strapped in parallel.
- 6) C6 and C13 is a single 50uF/50uF dual section can.
- 7) A JCM 800 50W project chassis would be a good fit for this circuit.

<b>Forum Amps</b>		
<b>Major Minor IV</b>		
50W Marshall Major	Rev 3.0 1/25/2019	P. Mitcheltree