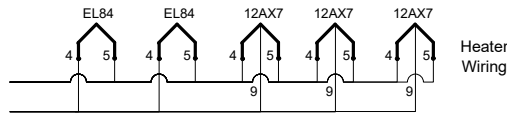


- Notes**
 1. Resistors - 1/2 watt carbon composition except as noted
 2. Input 68K & 1M are 1W Carbon Film
 3. 0.01 & 0.02 Coupling Caps Sozo or Mallory 150
 4. Metal oxide resistors thru power supply, plates & on the power tube screens.

These grounds tied to chassis separate from pre-amp.

From 6.3 V heater supply



To Fatten the TMB Channel Tone

1. Change C1 to beyond 0.022uF
2. Change C2 to 2.2uF -OR- change R5 to 2.7K -OR- both
3. Change R11 to 33K
4. Change VR5 to 250K-A to give the bass control more range

Normal Channel

Increase Gain: 820R ohm R27; 50uf C16; 220K R6. Reduce Gain: 2.2k R27, remove C16; 100K R6.

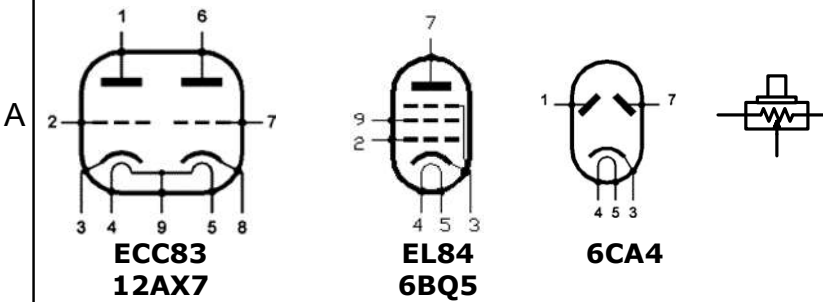
There are several places to adjust gain and tone in the TMB circuit and each of them do it in a different way and to different effect. You may find you only need one of them, a few of them, all of them, or none of them.

To Increase Gain on TMB Channel

1. Remove R8; 2. Change VR1 to 1M-A
3. Change R9 to any value between 470R and 2.7K--lower values = more gain
4. Bypass R9 with a cap between 0.68uF and 47uF. Higher values = more bass
5. Increase R4 to 220K; 6. Increase R7 to 220K
7. You may need to change VR7 to 250K-A or 100K-A to keep the PI from overloading from the increased gain

Rev. Date	Reason
0	Original from 18W.com/Richie
1	05/27/05 first issue
2	06/12/05 rect. wiring updated
3	07/8/05 updated C11, C12, R23
4	08/12/05 changed VR4 & VR6 to linear
5	08/18/05 added notes; moved OT CT to B+
6	10/16/05 added 2nd TMB input, mod grnd pre/pwr
7	10/28/05 update potentiometer values
8	14/05/06 renumbered resistor R28 from R23
9	18/05/08 modified Bass control connections
10	21/10/12 reissue with additional notes added
11	1/04/13 updated PI schematic
12	25/06/13 mains changed to 220-240 VAC
13	14Nov18 New PT Hook-Up SC

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Trinity Amps

TMB 18 Watt Schematic

SIZE	FSCM NO	DWG NO	REV
SCALE	1 : 1	SHEET	10 OF 66