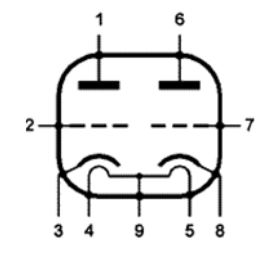
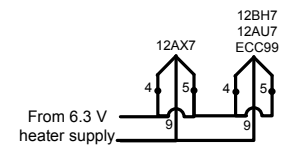


OT Specs
 Heyboer HTS 11654
 Primary - 22,000 ohms
 Secondaries - 4, 8 and 16 ohms



**12AX7
 12BH7/12AU7
 ECC99**



TWEAKERS NOTES

- **Preamp.** increase preamp gain and thickness by increasing the cathode bypass cap C2 to 1uf or 5uf even 10uf. 10 uf would make it quite thick. Make the cathode bypass cap C2 switchable to get more bass response in the cleaner lower volume settings and less bass for the louder overdriven sounds so the overall tone doesn't get muddy.
- To decrease gain, on V1B add a 470K fixed grid resistor (Pin 7 470K to ground)
- On V1B, use 2K5 for R7 and/or add 4.7uf for bypass cap to bias it colder
- To decrease overall preamp gain use a 12AY7, 5751 or 12AT7 pre-amp tube
- **Power Amp.** You can use an 12BH7 or 12AU7 tube in the output stage. To bias 12AU7 you may want to use 440R-470R for R9 to lower the bias.
- To use an ECC99 power tube use 150R >> 220R range for R9
- POWER AMP A 6SN7 as a power tube gives around the same power out. Try 440R bias for R9

NOTES:
 Caps - 350V
 Resistors - 1W Carbon Film

Rev.	Date	Reason
1	03/27/14	1st draft
2	05/02/16	first production release
3	27/02/16	incorporated JD Coley feedback

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Trinity Amps

TriFly Schematic

SIZE	FSCM NO	DWG NO	REV 4
SCALE	1 : 1	SHEET	1 OF 31