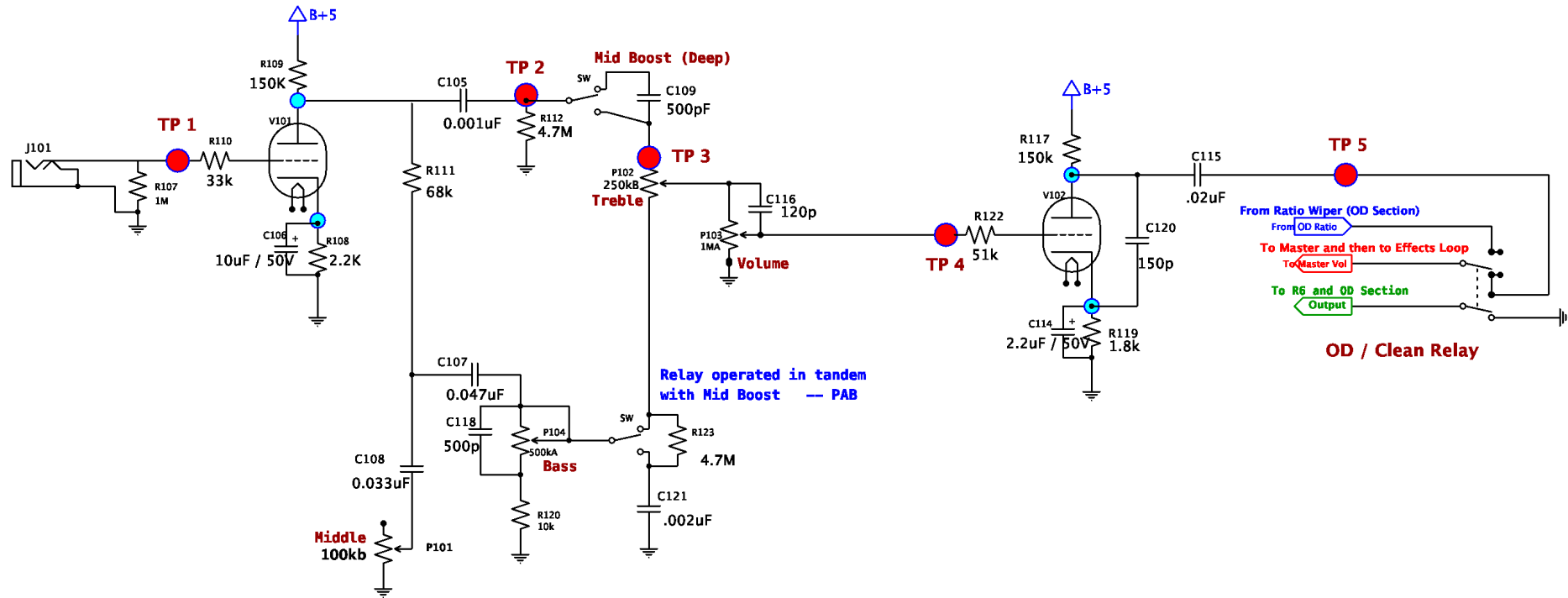


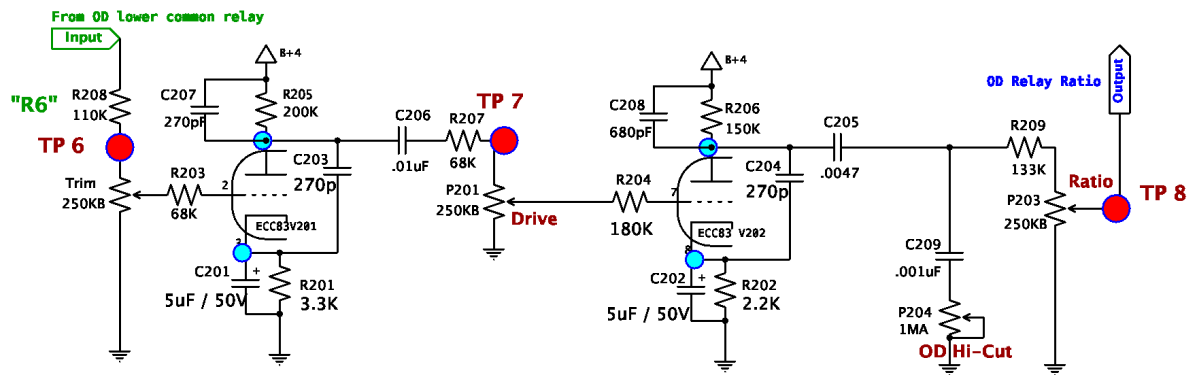
12AY7 will be first up for V1, but may consider 5751



<b>Tube 1</b>		
<b>TBM 2025 inspired by DaGeezer and Tubenit</b>		
A C HeId	Rev 3 2025-04-17	Page # 1 of 5

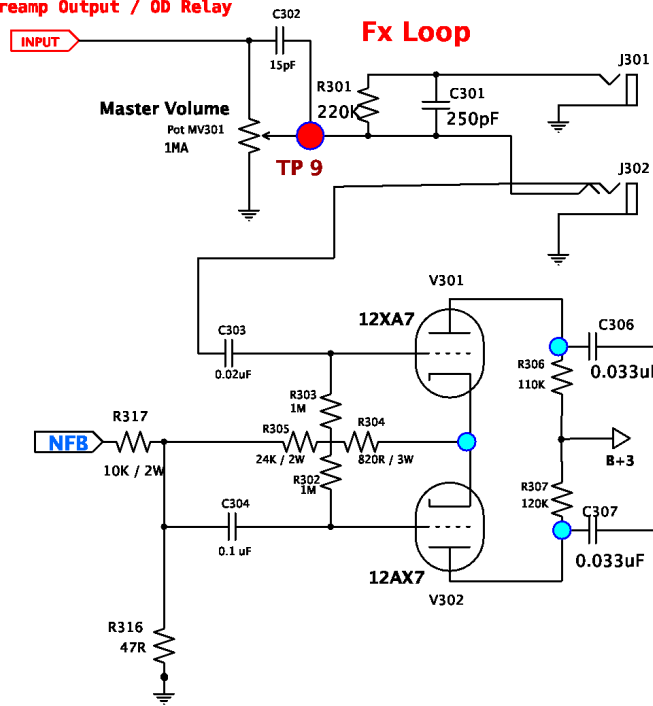
## Tube 2 – Overdrive Section

**Probablyly 5751, but consider others depending on observed gain.**



<b>OD Section</b>		
<b>TBM 2025 inspired by DaGeezer and Tubenit</b>		
A C Held	Rev 3 2025-04-17	Page # 2 of 5

From Preamp Output / OD Relay



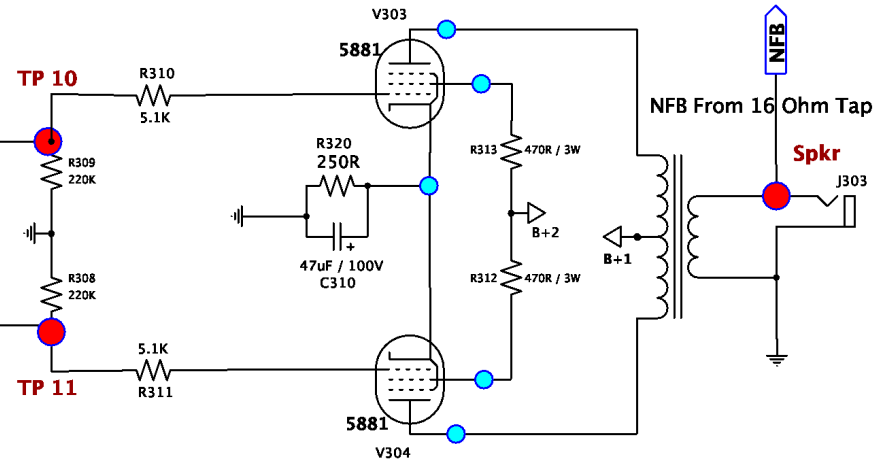
**Fx Loop**

**Notes:**

1. Consider 10k grid stoppers, R310 R311
2. Consider 0.1uF, C306 C307

**Iron:**

- PT — Hammond 290CX
- Choke — Hammond 194B
- OT — Hammond 1760J



**Output Section**

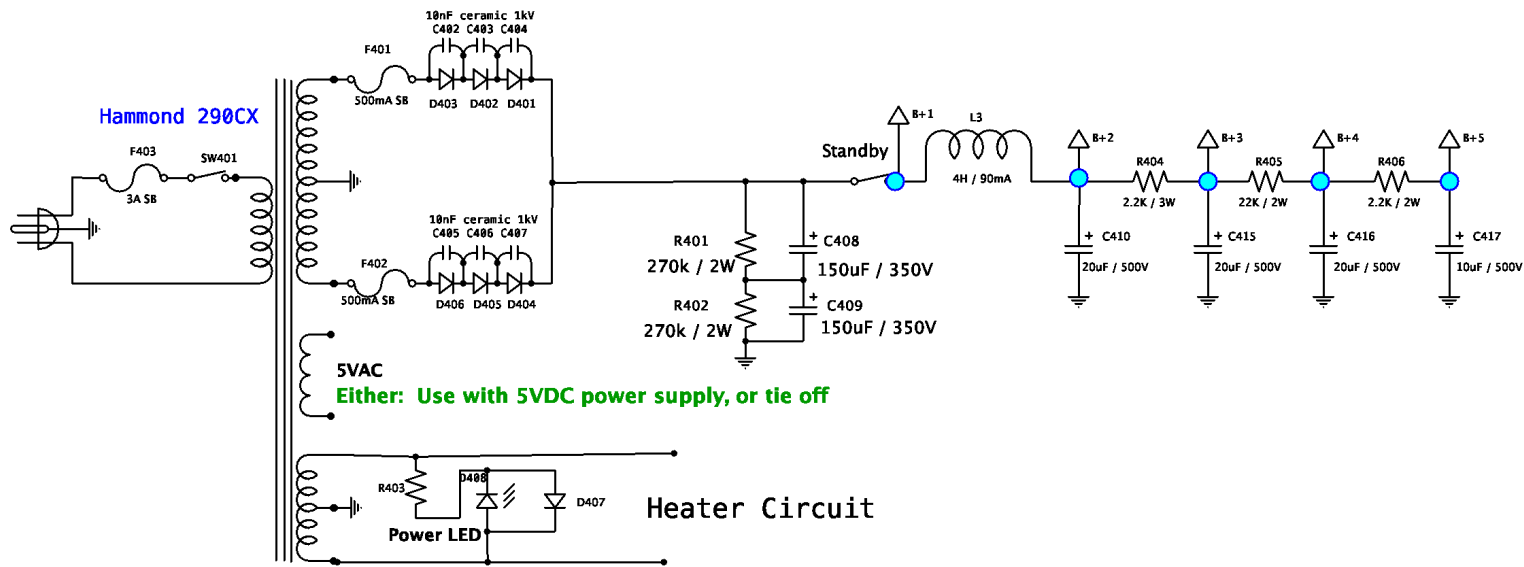
TBM 2025 inspired by DaGeezer and Tubenit

A C He1d

Rev 3

2025-04-17

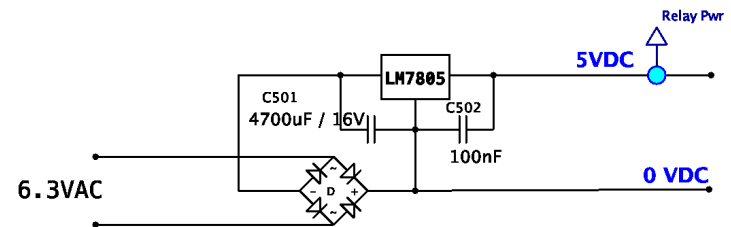
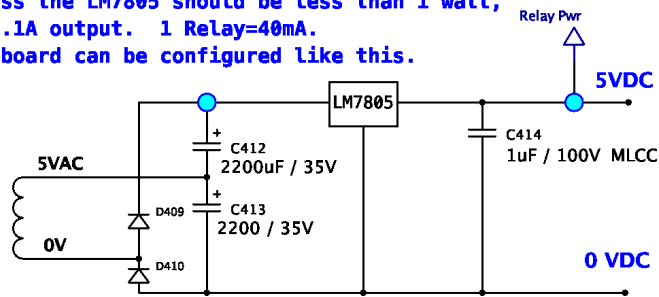
Page # 3 of 5



I considered using the 5VAC rectifier tap for the 5VDC pwr supply, as it will be unused, but eventually decided to stick with the tried/true 5VDC circuit using the heater supply. IMO either would work fine.

**Notes:**

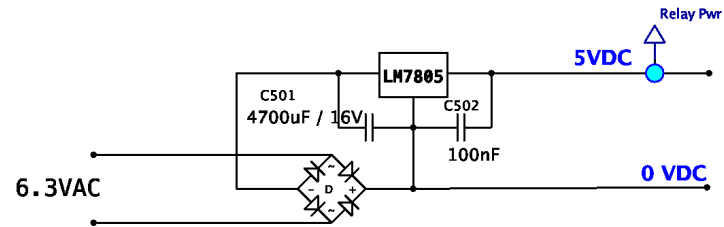
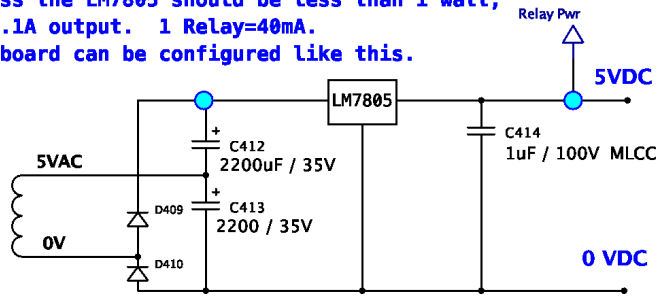
1. This voltage doubler should provide about 12VAC to the input of the LM7805.
2. P<sub>diss</sub> across the LM7805 should be less than 1 watt, assuming 0.1A output. 1 Relay=40mA.
3. Doug's 5V board can be configured like this.



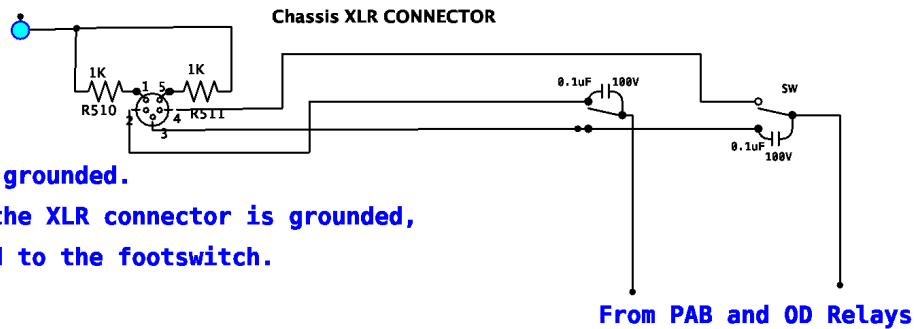
Power Supply		
TBM 2025 inspired by DaGeezer and Tubenit		
A C Held	Rev 3 2025-04-17	Page # 4 of 5

**Notes:**

1. This voltage doubler should provide about 12VAC to the input of the LM7805.
2. P<sub>diss</sub> across the LM7805 should be less than 1 watt, assuming 0.1A output. 1 Relay=40mA.
3. Doug's 5V board can be configured like this.

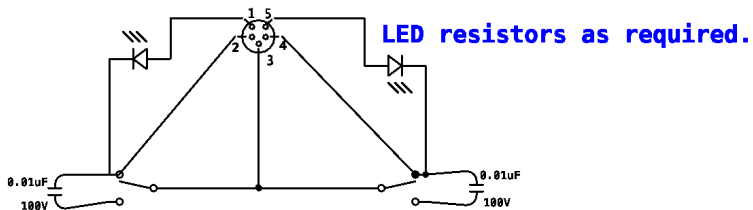


**5 VDC "Relay Pwr"**



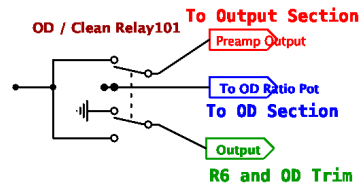
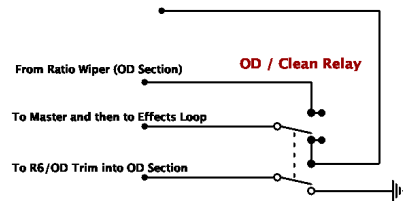
Pin "3" is NOT grounded.  
The shield to the XLR connector is grounded,  
but not carried to the footswitch.

**Footswitch**

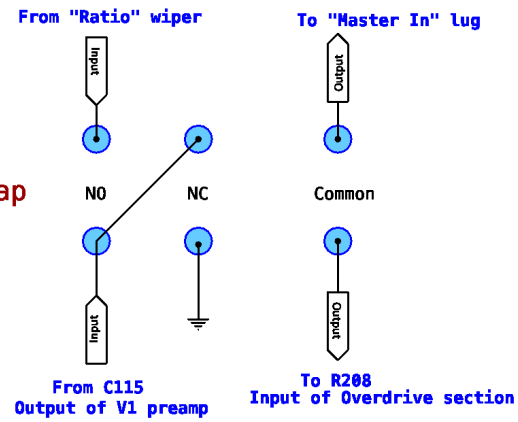


Footswitch wiring is similar to, but NOT the same as in Dumble clones. I've never been able to get the published wiring to work correctly. This does. YMMV.

<b>Relay Circuit</b>		
<b>TBM 2025 inspired by DaGeezer and Tubenit</b>		
A C Held	Rev 3 2025-04-17	Page # 5 of 5



OD Relay Map



PAB/MidBoost Relay Map

