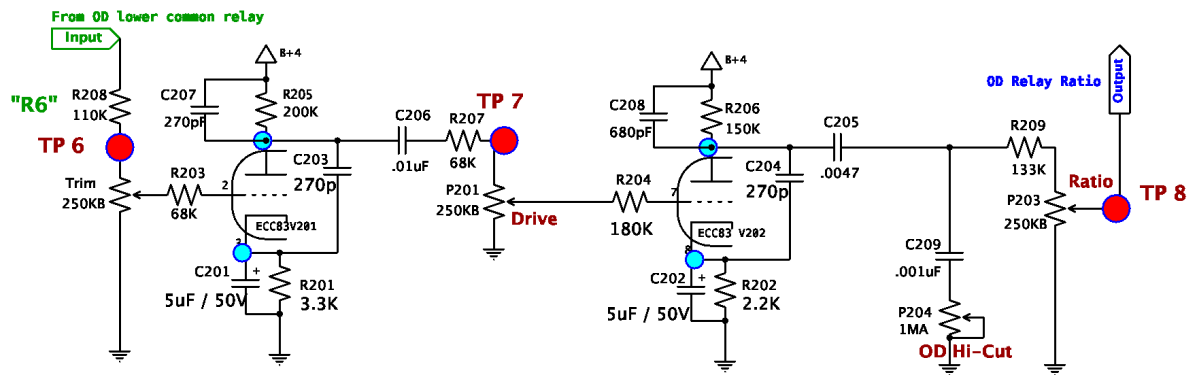




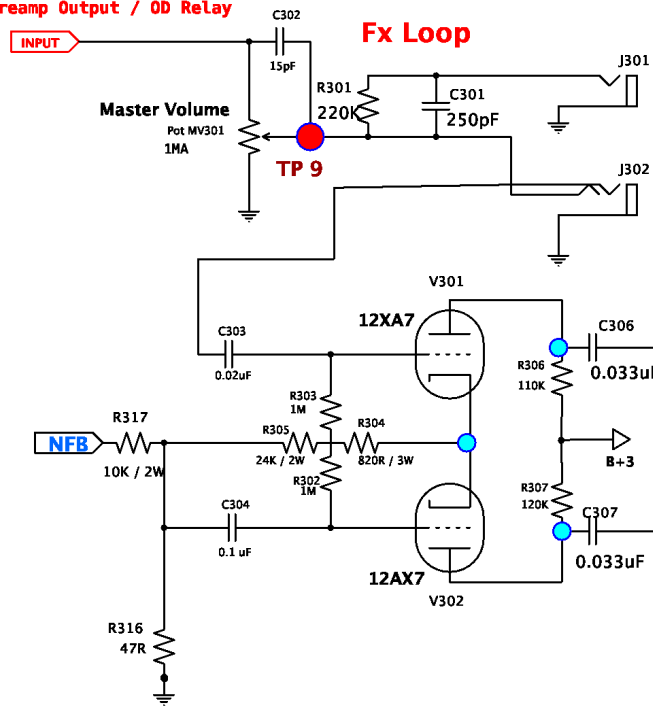
## Tube 2 – Overdrive Section

Probably 5751, but consider others depending on observed gain.



<b>OD Section</b>	
<b>TBM 2025 inspired by DaGeezer and Tubenit</b>	
A C Held	Page # 2 of 6

From Preamp Output / OD Relay



**Fx Loop**

**TP 9**

**TP 10**

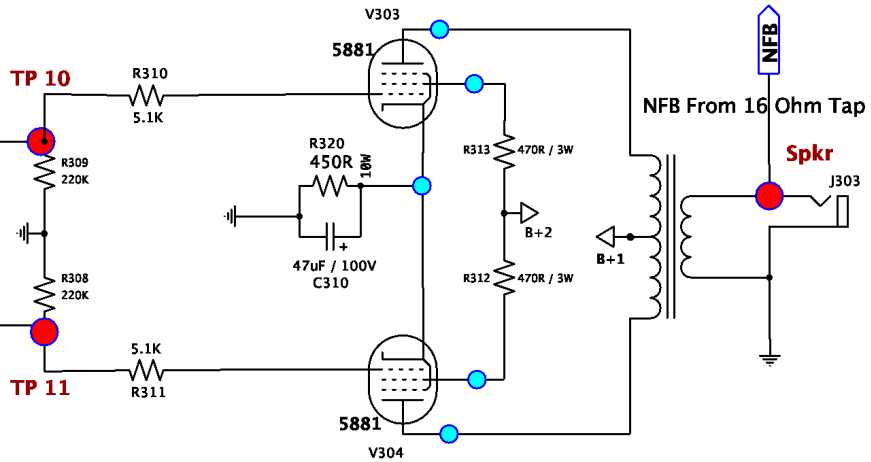
**TP 11**

**Notes:**

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

**Iron:**

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

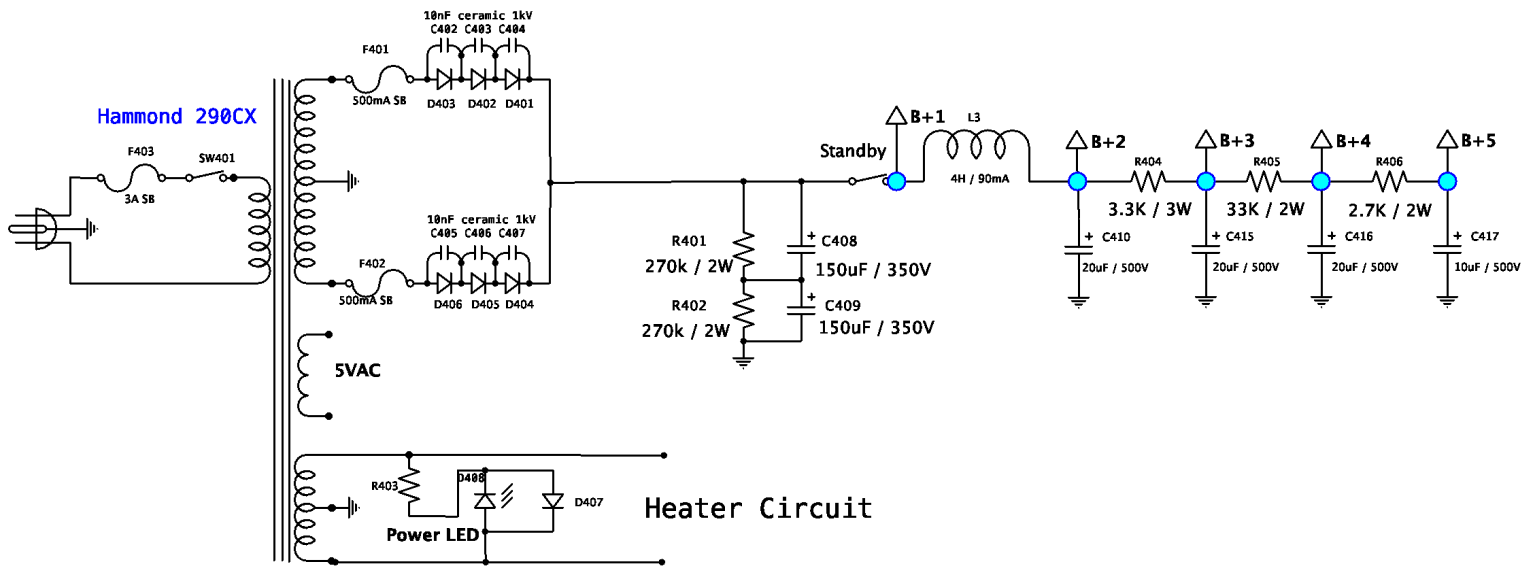


**Output Section**

**TBM 2025 inspired by DaGeezer and Tubenit**

A C HeId

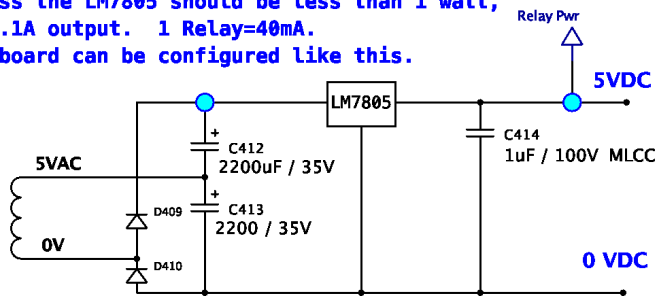
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I considered using the 5VAC rectifier tap for the 5VDC pwr supply, as it will be unused, but eventually decided to stick with the tried/true 5VDC circuit using the heater supply. IMO either would work fine.

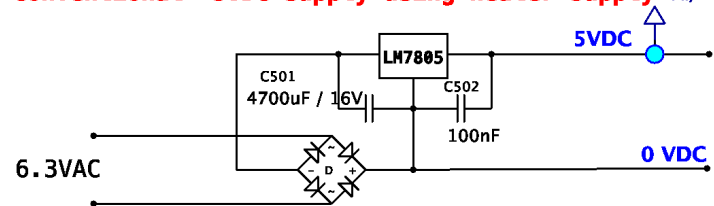
**Notes:**

1. This voltage doubler should provide about 12VDC 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.



**Unproven 5VDC supply using 5VAC supply**

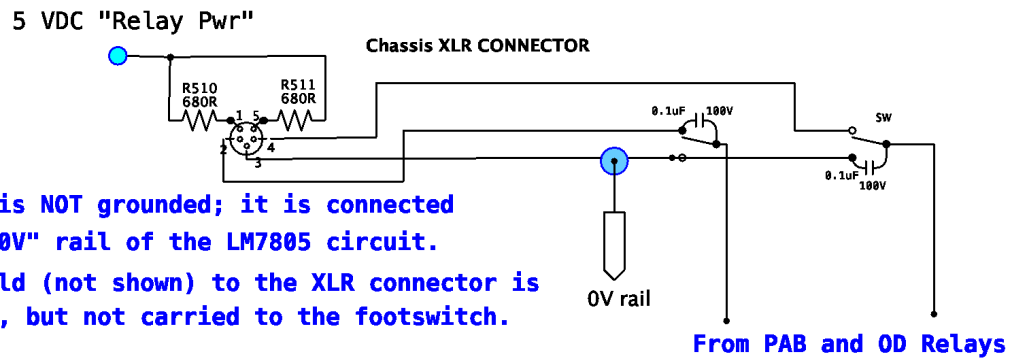
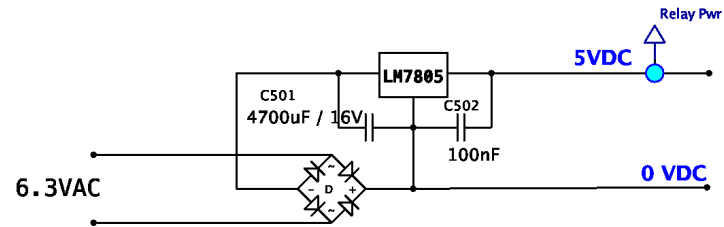
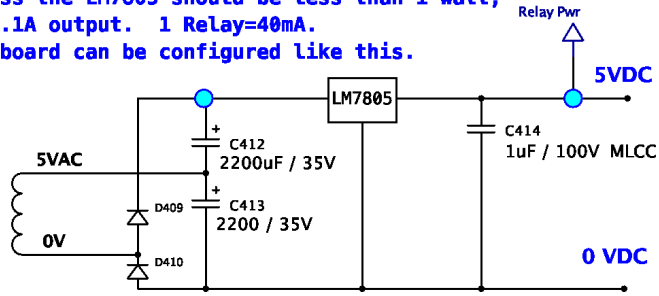
**"Conventional" 5VDC supply using Heater Supply**



Power Supply	
TBM 2025 inspired by DaGeezer and Tubenit	
A C Held	Page # 4 of 6

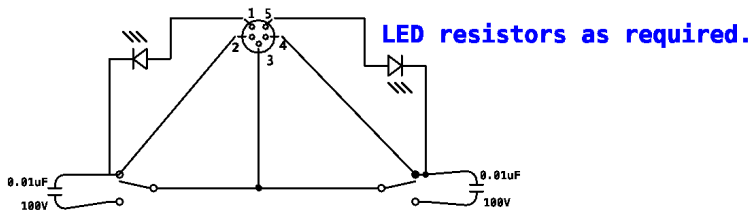
**Notes:**

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.



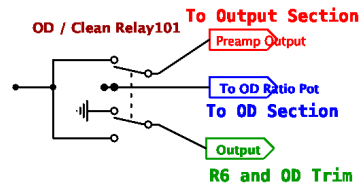
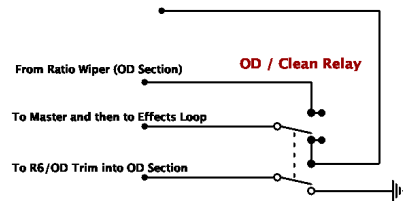
Pin "3" is NOT grounded; it is connected to the "0V" rail of the LM7805 circuit. The shield (not shown) to the XLR connector is grounded, but not carried to the footswitch.

**Footswitch**

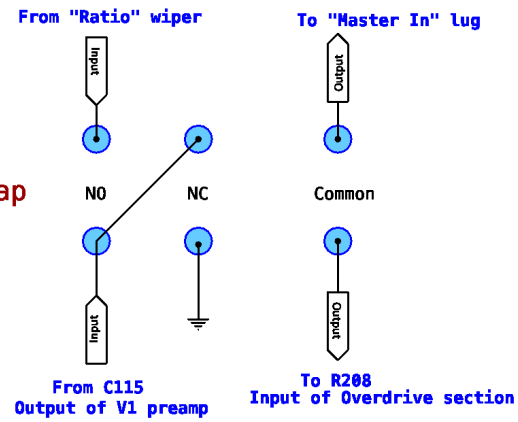


Footswitch wiring is similar to, but NOT the same as in Dumble clones. I've never been able to get the published wiring to work correctly. This does. YMMV.

<b>Relay Circuit</b>	
TBM 2025 inspired by DaGeezer and Tubenit	
A C Held	Page # 5 of 6



**OD Relay Map**



**PAB/MidBoost Relay Map**

