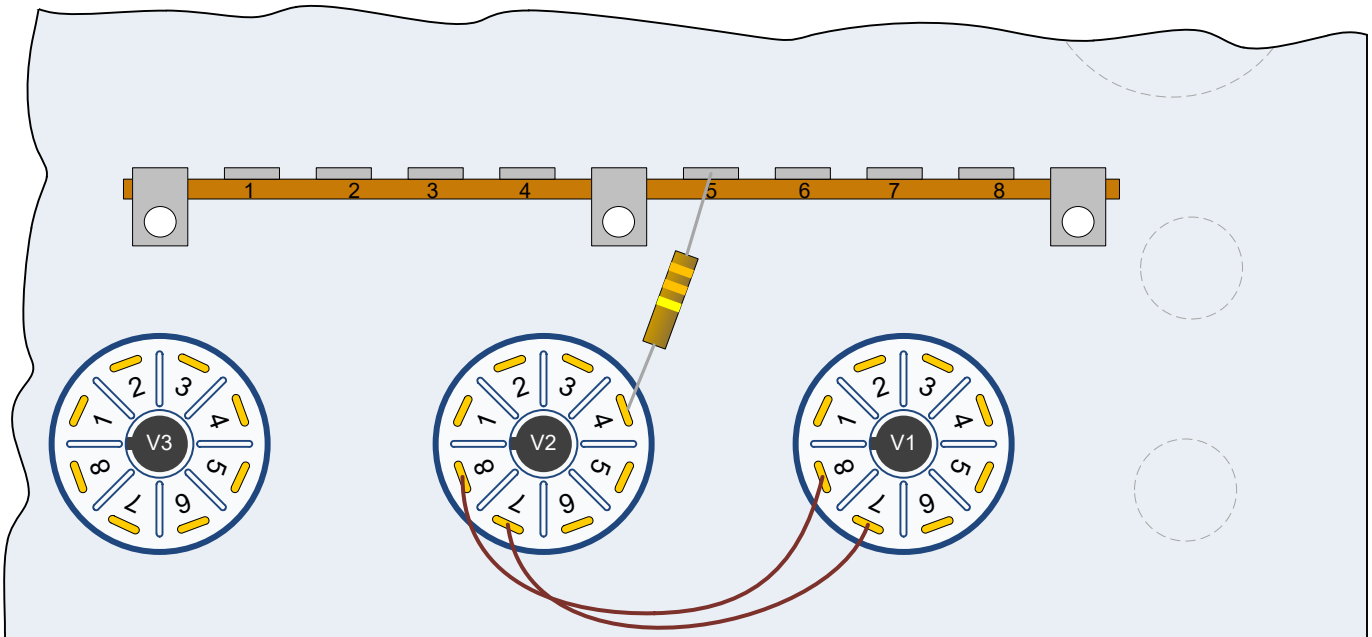


Figure 1



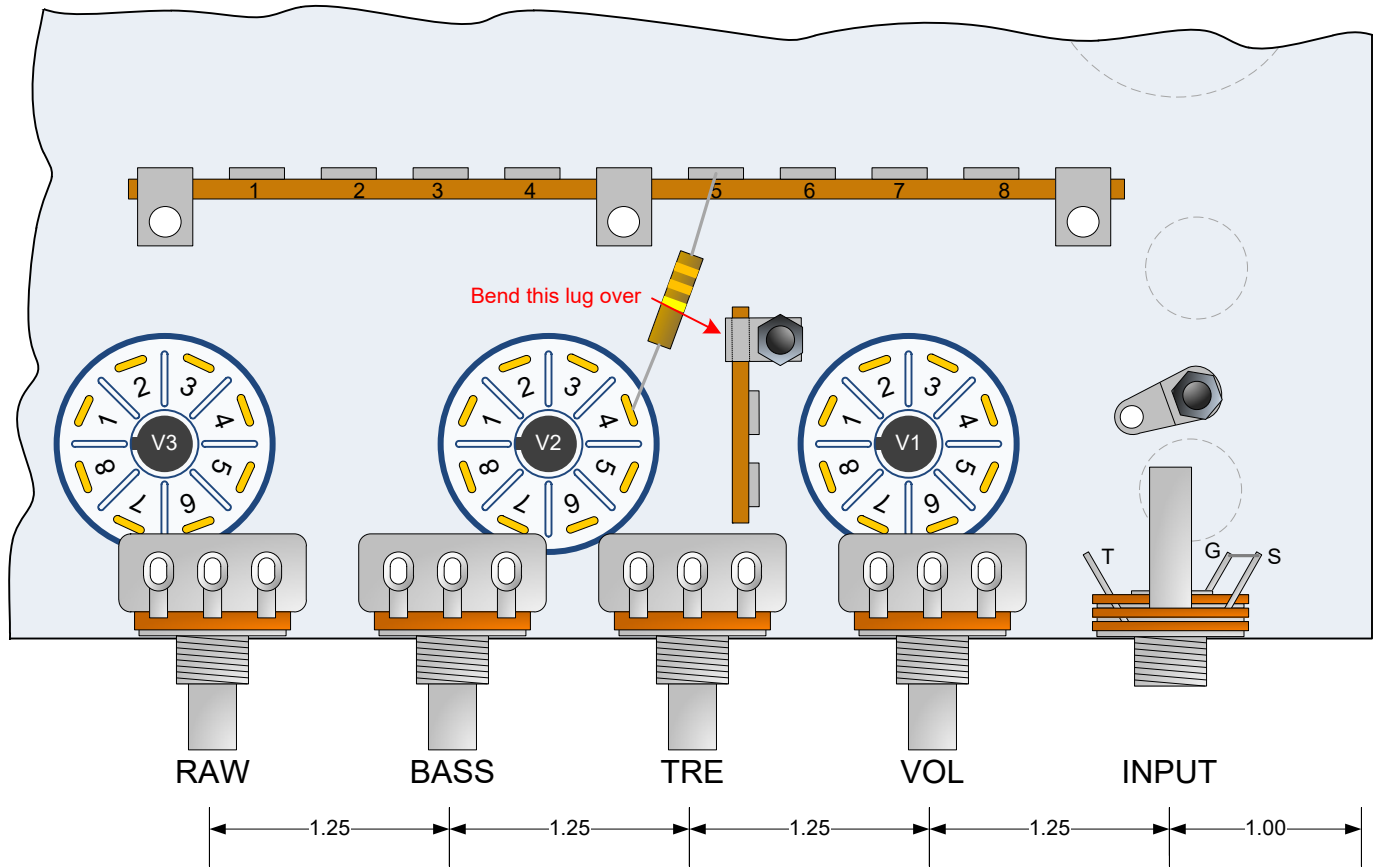
### Task 1 (Removal)

- Remove input jack, volume control, and all connecting wires.
- Completely remove all components and wires from V1 socket **\*\*\*EXCEPT\*\*\*** the two brown wires. Throw these components away but save the long black wire. It may come in handy later.
- Move the brown wire from V1-2 to V1-8.
- Clean all pins on V1 socket.

When done, V1 socket should look like Figure 1 above.

**Note...** For simplicity, only components associated with the Fender AB763 preamp modification are shown.

Figure 2



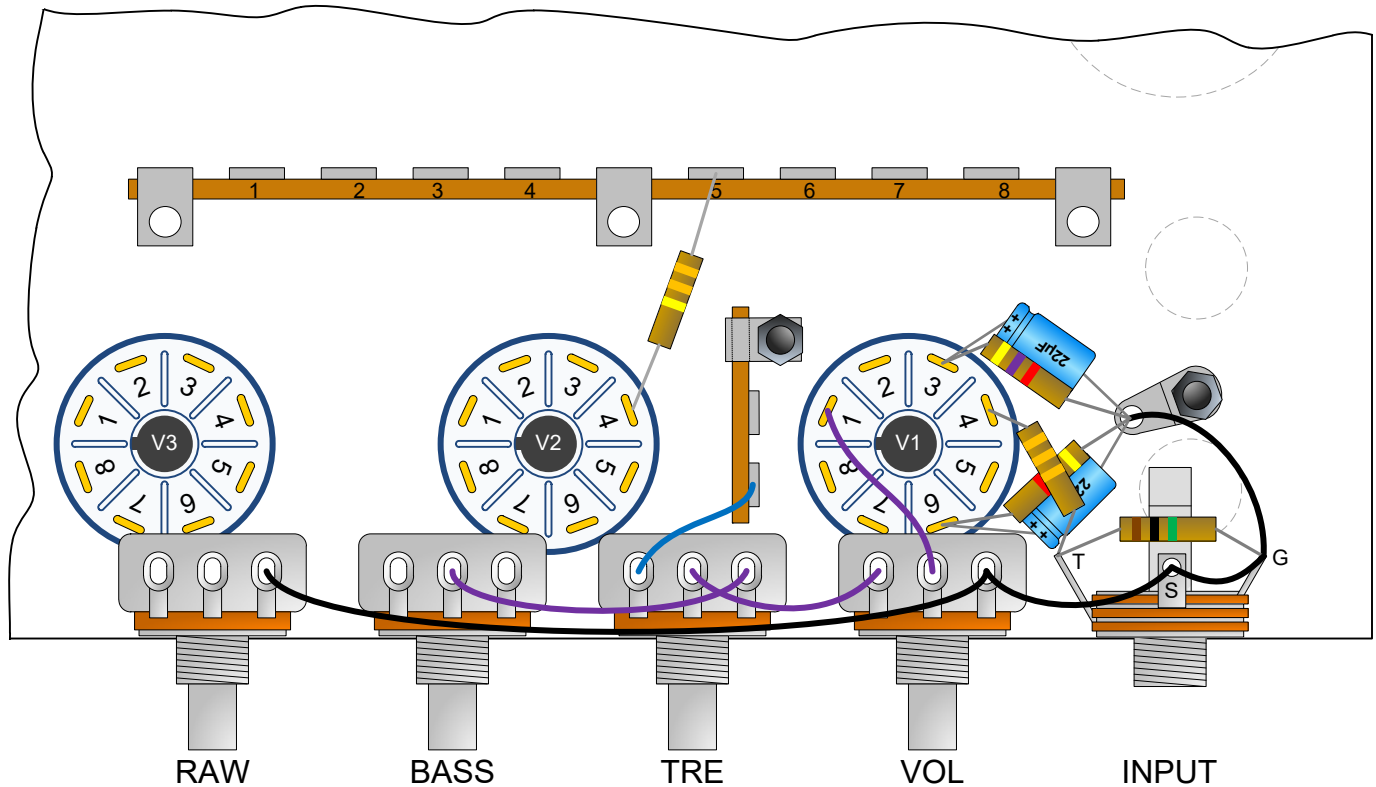
### Task 2 (Mechanical)

- Be careful when drilling! Don't let the bit run away and destroy the sockets and components.
- Mount the pots and input jack using these dimensions. Measure carefully to insure pots do not touch tube sockets. Hoffman's Alpha pots require a 5/16" mounting hole. The input jack requires a 3/8" mounting hole.
- Clean up the small terminal strip and solder lug that you previously removed. Mount them to the chassis as shown in Figure 2.

When done, V1 socket should look like Figure 2 above.

**Note...** For simplicity, only components associated with the Fender AB763 preamp modification are shown.

Figure 3



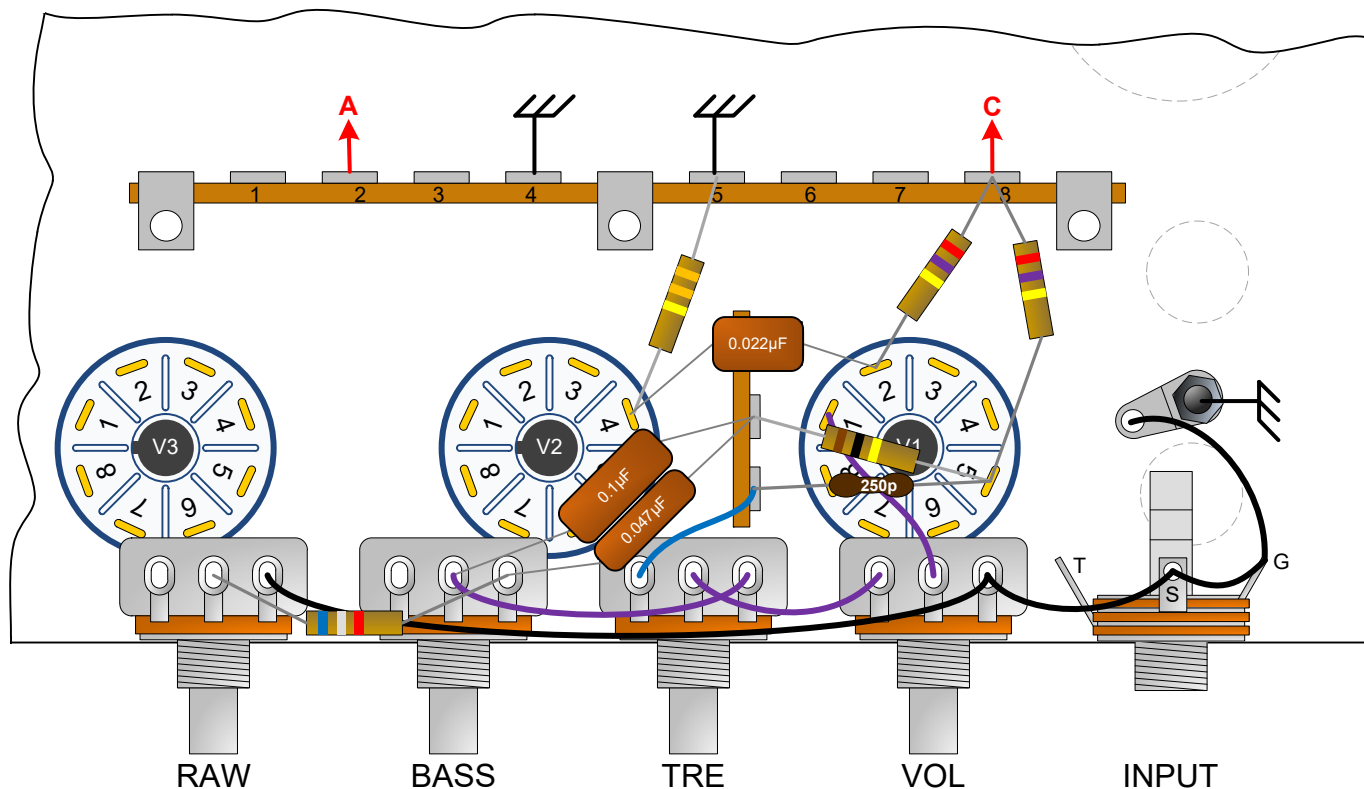
**Task 3** (use 22AWG wire because 18AWG will be too big)

- Temporarily remove Input jack and VOL pot to facilitate component installation.
- Install the 4.7K resistors and 22µF caps as shown. Observe cap polarity! These components should be mounted very close to the chassis. It's OK if the cap bodies actually touch the chassis. Reinstall VOL pot and Input jack.
- Install all pot and input jack wiring. Don't forget the wire to the ground lug.
- Install 33K and 1M resistors to input jack. The 33K will sit above the R/Cs installed earlier.

When done, V1 socket should look like Figure 3 above.

**Note...** For simplicity, only components associated with the Fender AB763 preamp modification are shown.

Figure 4

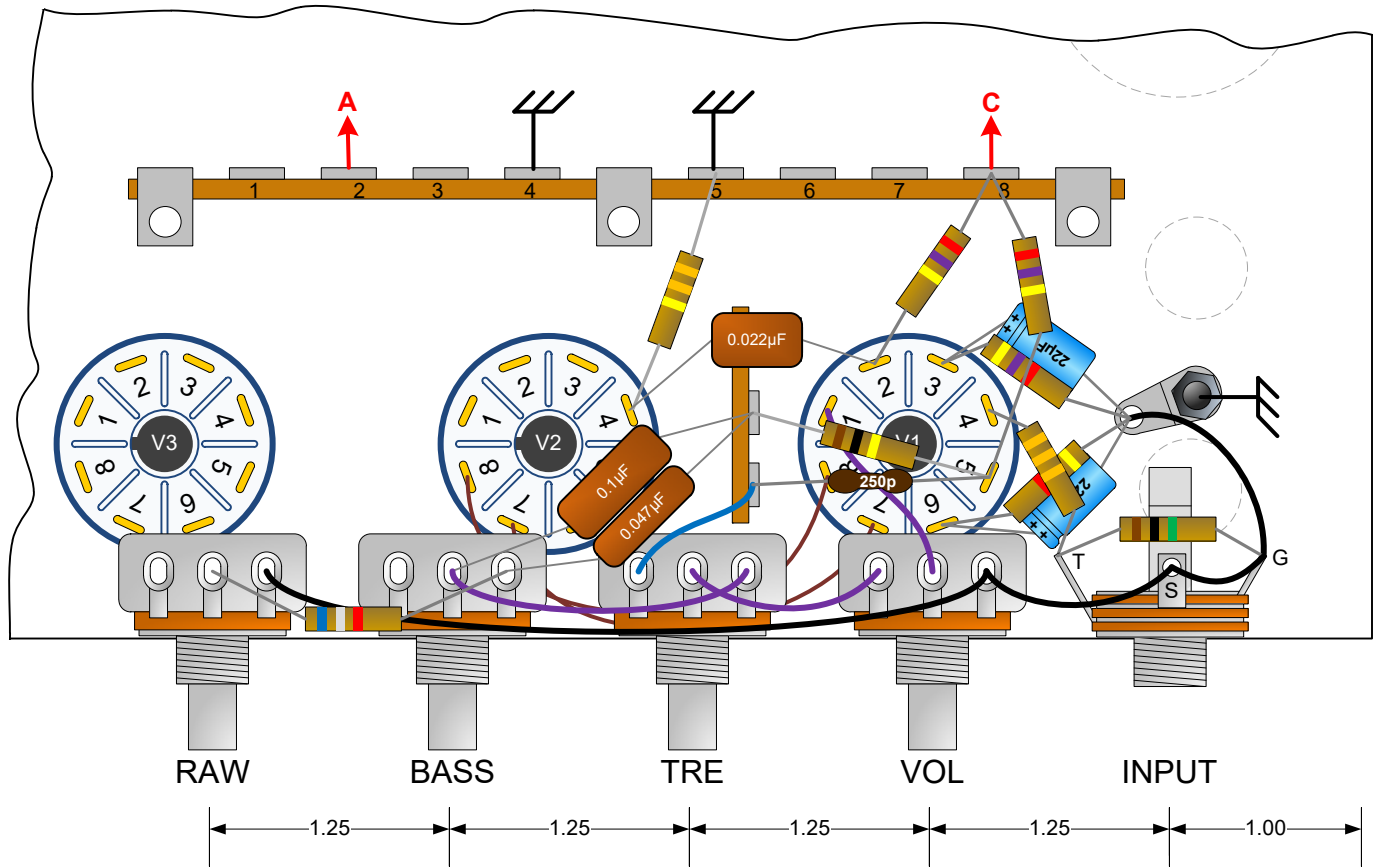


#### Task 4 (previously installed components not shown for simplicity)

- Put insulation on component leads as needed. All these components will be mounted up in the air above any previously installed components.
- Install the two 270K resistors between V1-2,5 and terminal 8. (power supply node C)
- Install the .022µF cap between V1-2 and V2-4. (Notice the original 330K is already connected to V2-4.)
- Install the 100K resistor and 250pF cap between V1-5 and the small terminal strip.
- Install the .1µF and .047µF caps between the small terminal strip and the BASS pot.
- Install the 6.8K resistor between the BASS and RAW pots.

**Note...** For simplicity, only components associated with the Fender AB763 preamp modification are shown.

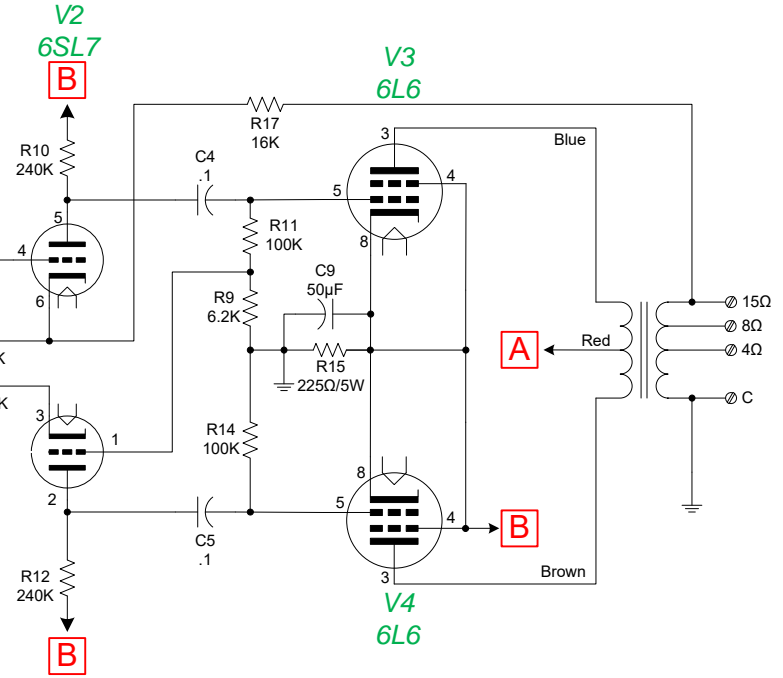
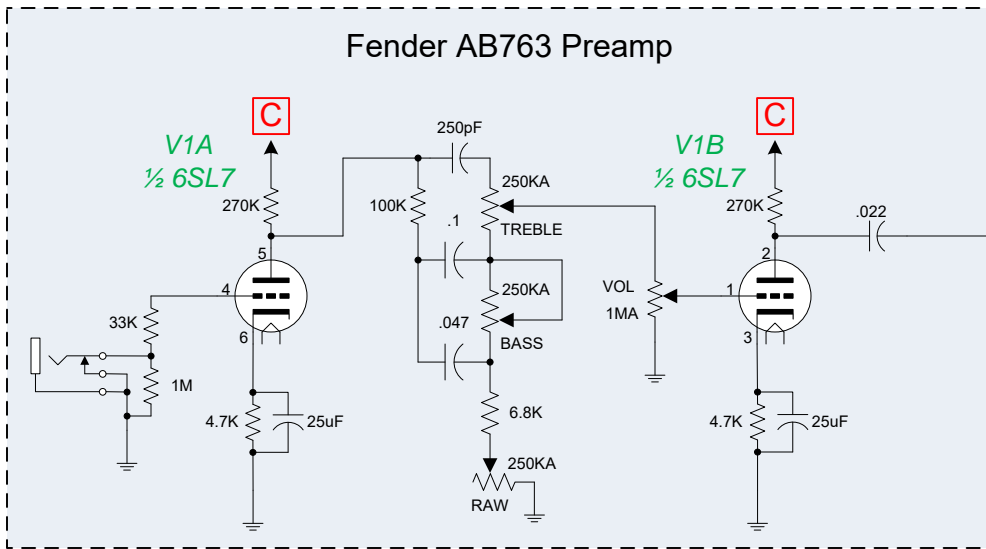
Figure 5



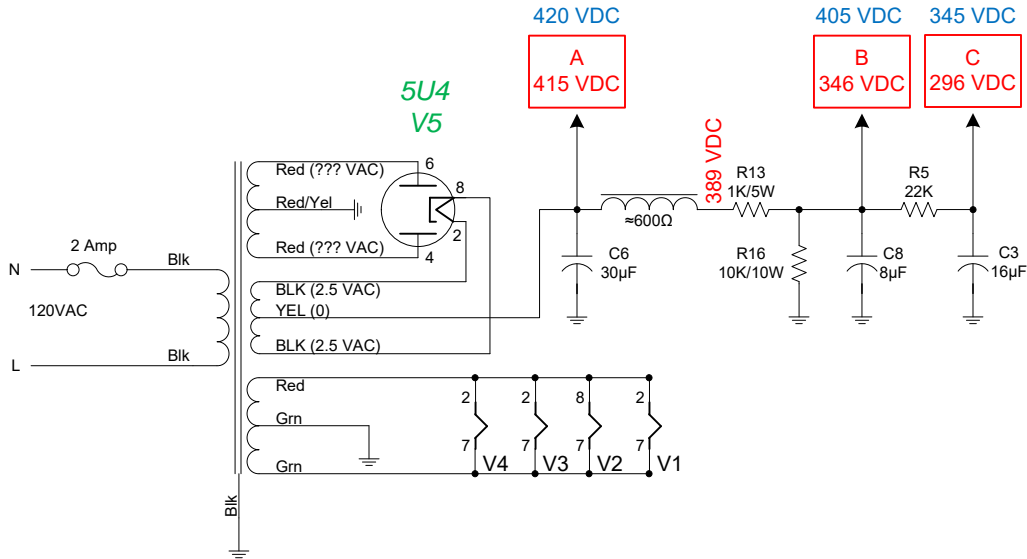
### Task 5 (mod is complete)

- Carefully compare your work to Figure 5.
- Turn on the power and measure voltages for V1 pins 1, 2, 3, 4, 5, and 6. Record.
- Recheck voltages for cap can nodes A, B, and C. Record final voltages.
- Plug in a guitar and do a sound check.
- If all is OK, play on!

**Note...** For simplicity, only components associated with the Fender AB763 preamp modification are shown.



Voltages in blue were taken with R16 disconnected.



Webster Electric Model 88-24

Drawn by Steve Luckey  
09-13-2018