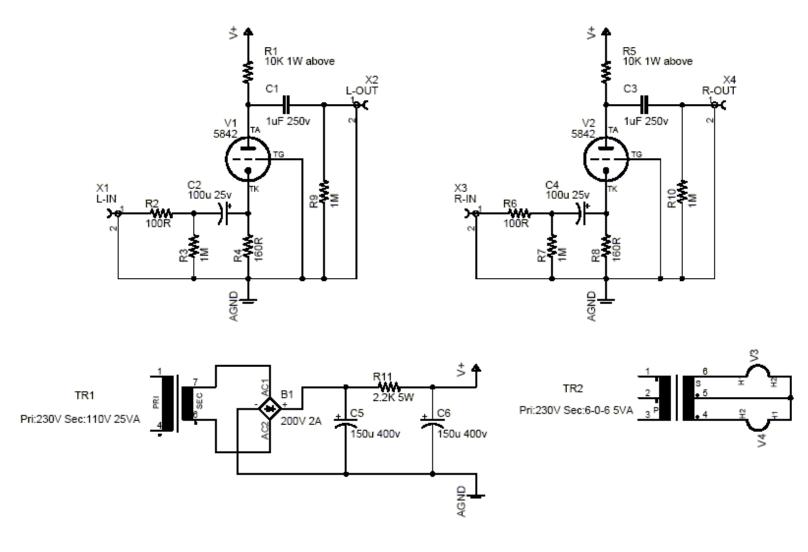
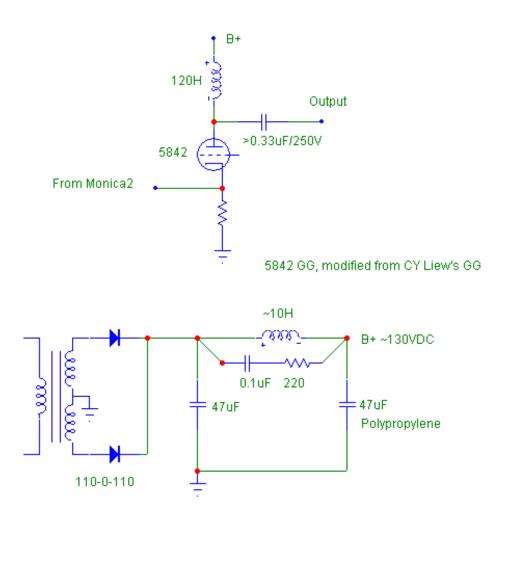
Grounded Grid Tube Gain Stage Basic layout Great for current output DACs like Monica DIY Paradise

July 2006



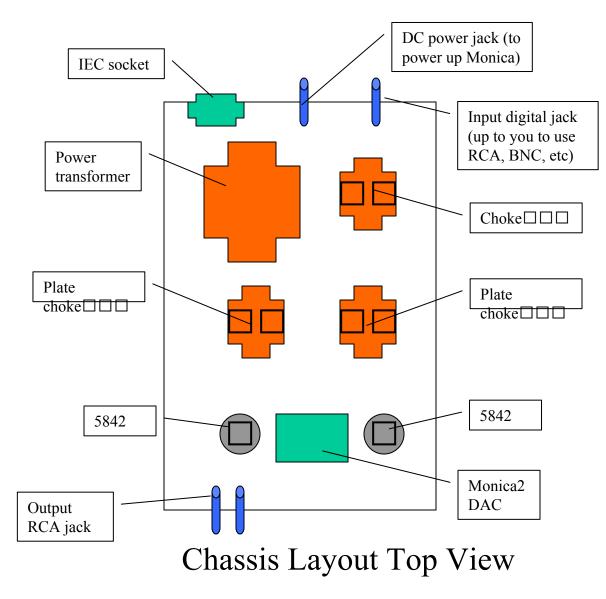
Schematic

Courtesy of CY Liew



Simplified Schematic diyparadise

(cathode resistor is 160ohm like previous page)



This is the layout I used. I fitted in Monica2 together in one chassis. You could separate them but if you do so, please keep the interconnect cable between Monica2 and GG short. The layout is done this way to minimize digital noise from corrupting the analog section. The digital signal wire is preferably shielded all the way from the back to Monica₂. You could place the input jack at the front if you wish.

The following wiring diagrams are meant to aid you in the sequence in wiring this tube gain stage. Of course, you can do it some other way. Any other way, actually.

Power supply wiring is not shown here. You don't have to use the same scheme. Use whatever components you have in hand.

Remember basic rules still apply:

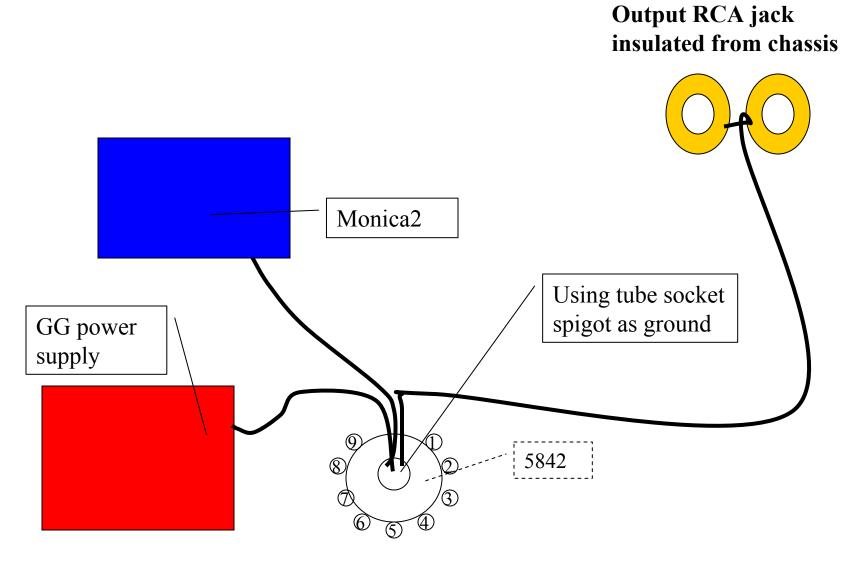
• keep signal wires far away from filament wires, transformer and chokes.

• also keep digital signal far away from analog signals. In fact, just keep the digital signal far away from anything. If you have to cross wires, then corss only at 90 degrees.

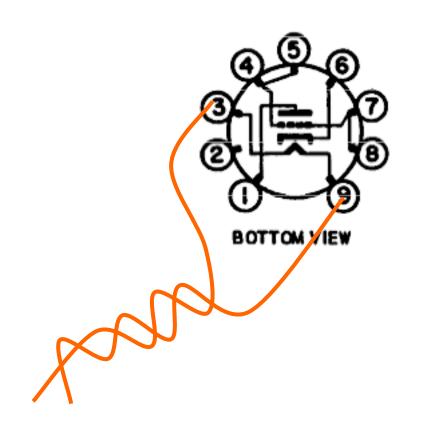
- twist tightly the heater wires, place close to chassis.
- maintain star ground.

SAFETY FIRST: REMEMBER TO SOLDER IN BLEEDER RESISTOR! REMEMBER TO "EARTH THE CHASSIS"!

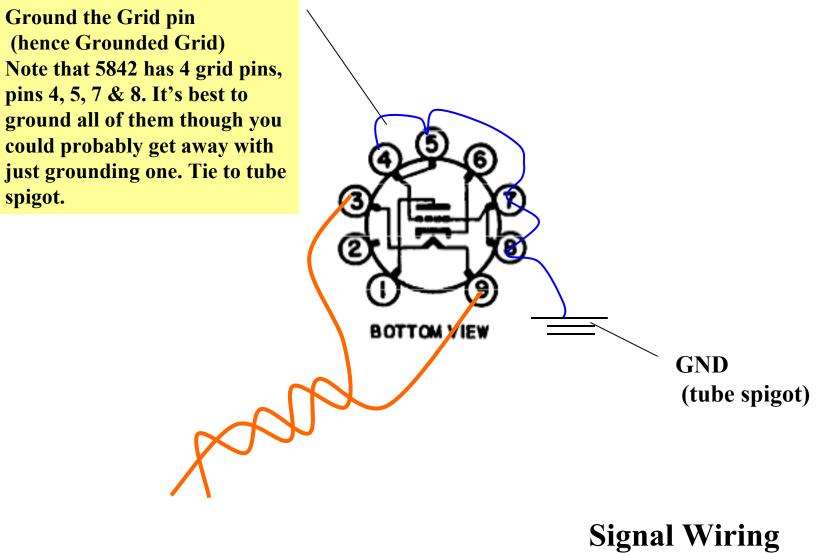
You "earth the chassis" by wiring Earth of IEC socket to chassis, through a nut. THEN confirm the resistance between Earth of IEC and chassis is as close to zero as possible.



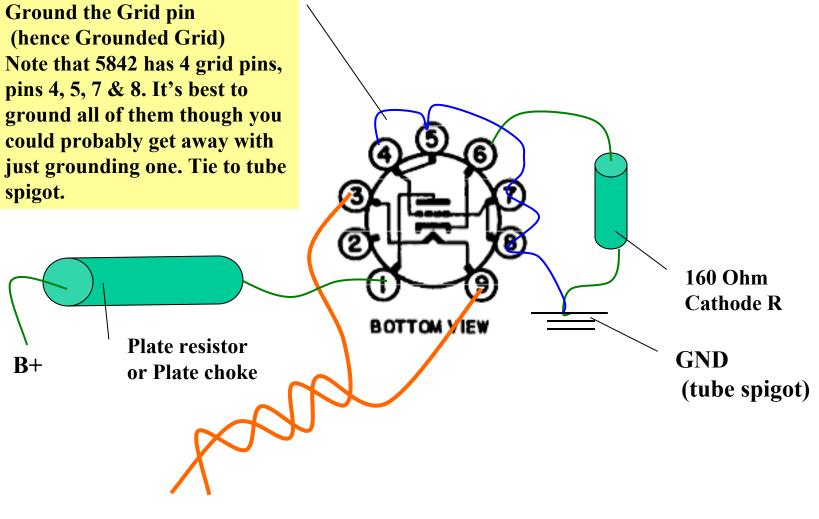
Ground layout



Wiring of heaters



(Grid first)



Signal Wiring (Plate and Cathode)

