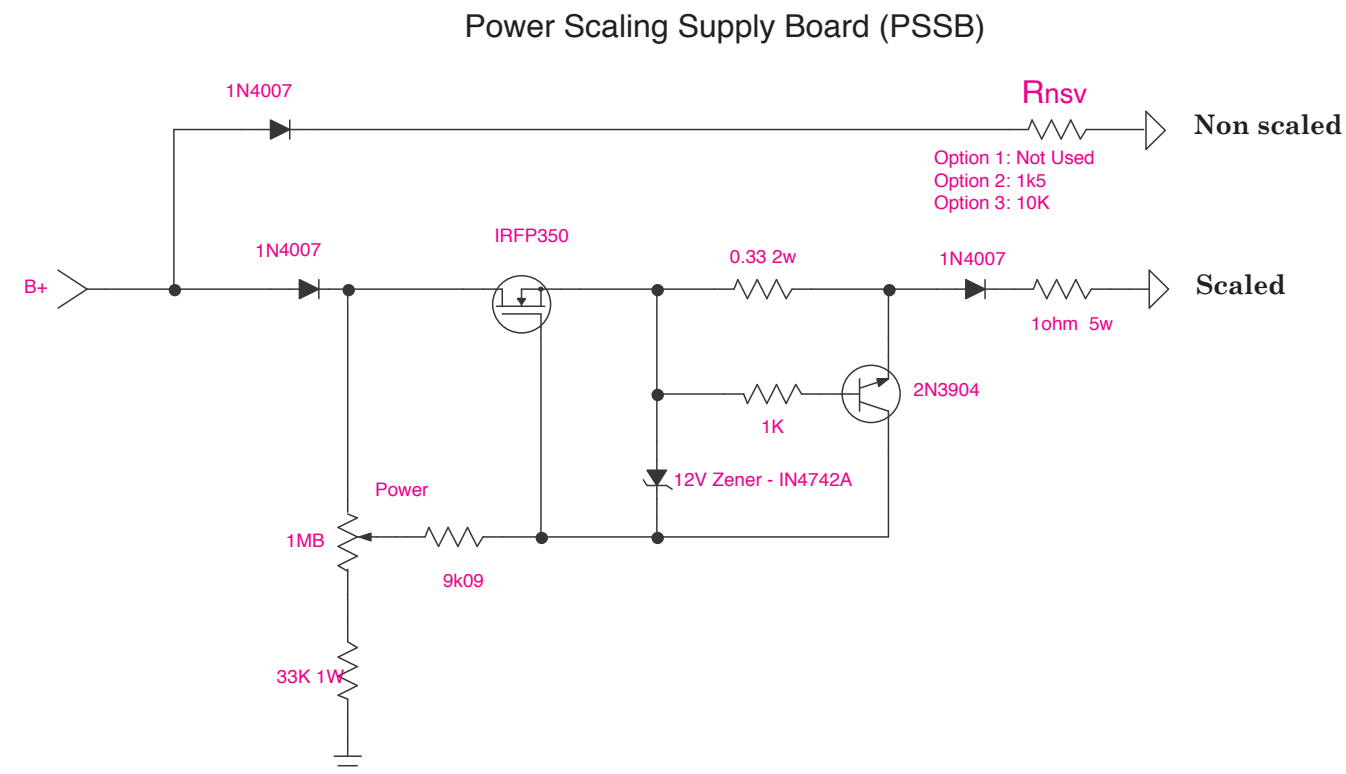
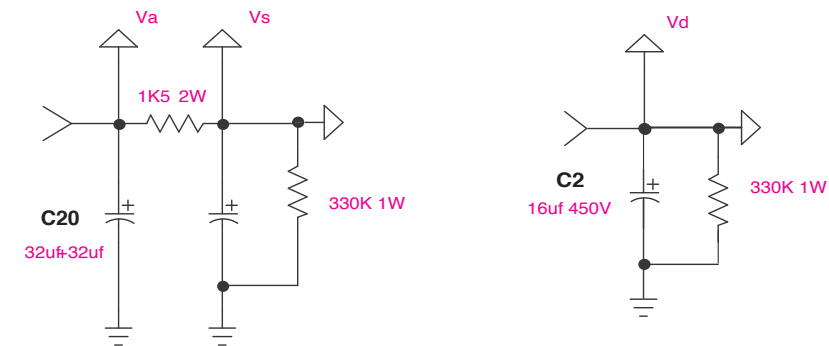




NOTES FOR POWER SCALING THE 18 WATT AMP

WARNING:
TUBE AMPLIFIERS CONTAIN DEADLY VOLTAGES!
PROCEED AT YOUR OWN RISK!

- 1. Scaling Entire Amplifier**
 - a. Eliminate the diode and resistor for the Non-Scaled Voltages at the top of the drawing. Build the remaining components for Scaled Voltages only.
 - b. Connect the switched B+ from your Standby Switch to the PSSB input.
 - c. Connect the output from the Power Scaling Supply Board to the 18watt's C20.
 - d. Add the 330K 1W resistor as shown to the 18watt's C20.
 - e. Build the rest of the amp normally, proceeding from C20.

2. Scaling Power Tubes and Phase Inverter (the recommended method)

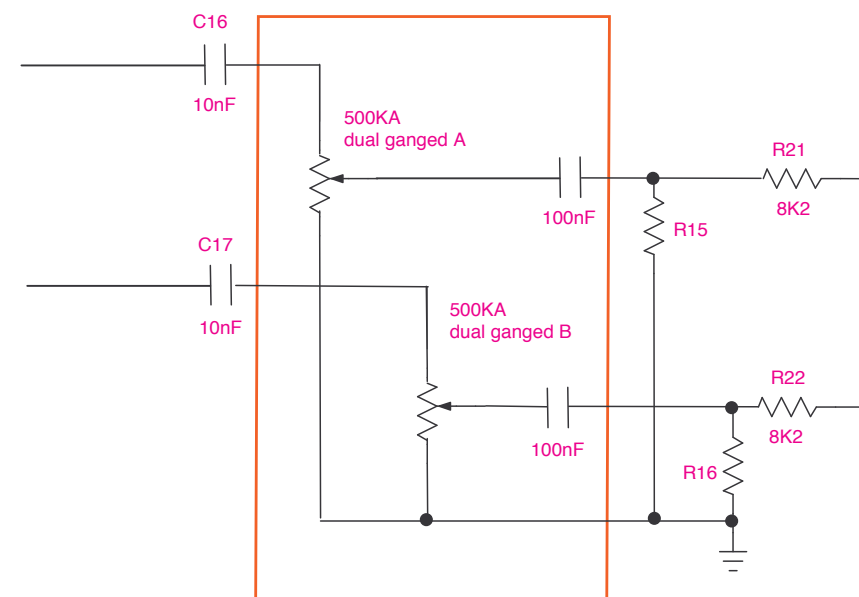
- Use components for Scaled and Non-Scaled voltages.
- Connect the switched B+ from your Standby Switch to the PSSB input.
- Connect the output from the Power Scaling Supply Board to C20.
- Add 330K 1W resistors as shown to C20 and C2.
- Disconnect the jumper from the union of R18 & R19 to R11 on your 18 watt.
- Connect the non-scaled voltage from the Power Scaling Supply Board to R11.
- Build the rest of the amp normally.

3. Scaling Power Tubes Only

- Use components for Scaled and Non-Scaled voltages.
- Connect the switched B+ from your Standby Switch to the PSSB input.
- Connect the output from the Power Scaling Supply Board to 18 watt C20.
- Add the 330K 1W resistor as shown to 18watt C20.
- Disconnect R25 from R6 on 18 watt.
- Connect R6 to non-scaled voltages (or connect diode to R6 & increase to 10K).
- Build the PPIMV limiter control, to adjust signal size from PI to the Power Tubes

PPIMV INSTALLATION INSTRUCTIONS

1. Lift C16 and C17 from the unions of R15, R21 and R16, R22.
2. Install 100nF caps at union of R15, R21 and R16, R22.
3. Install dual ganged 500K audio taper pot in convenient location.
4. Using a tightly twisted pair, connect pot (a) CW lug to C16 and Wiper to the new cap at union of R15, R21.
5. Using a tightly twisted pair, connect pot (b) CW lug to C17 and Wiper to the new cap at union of R16, R22.
6. Connect both (a) and (b) CCW lugs to the ground at the union of R15, R16



Power Scaling the 18 watt 1974x amplifier

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