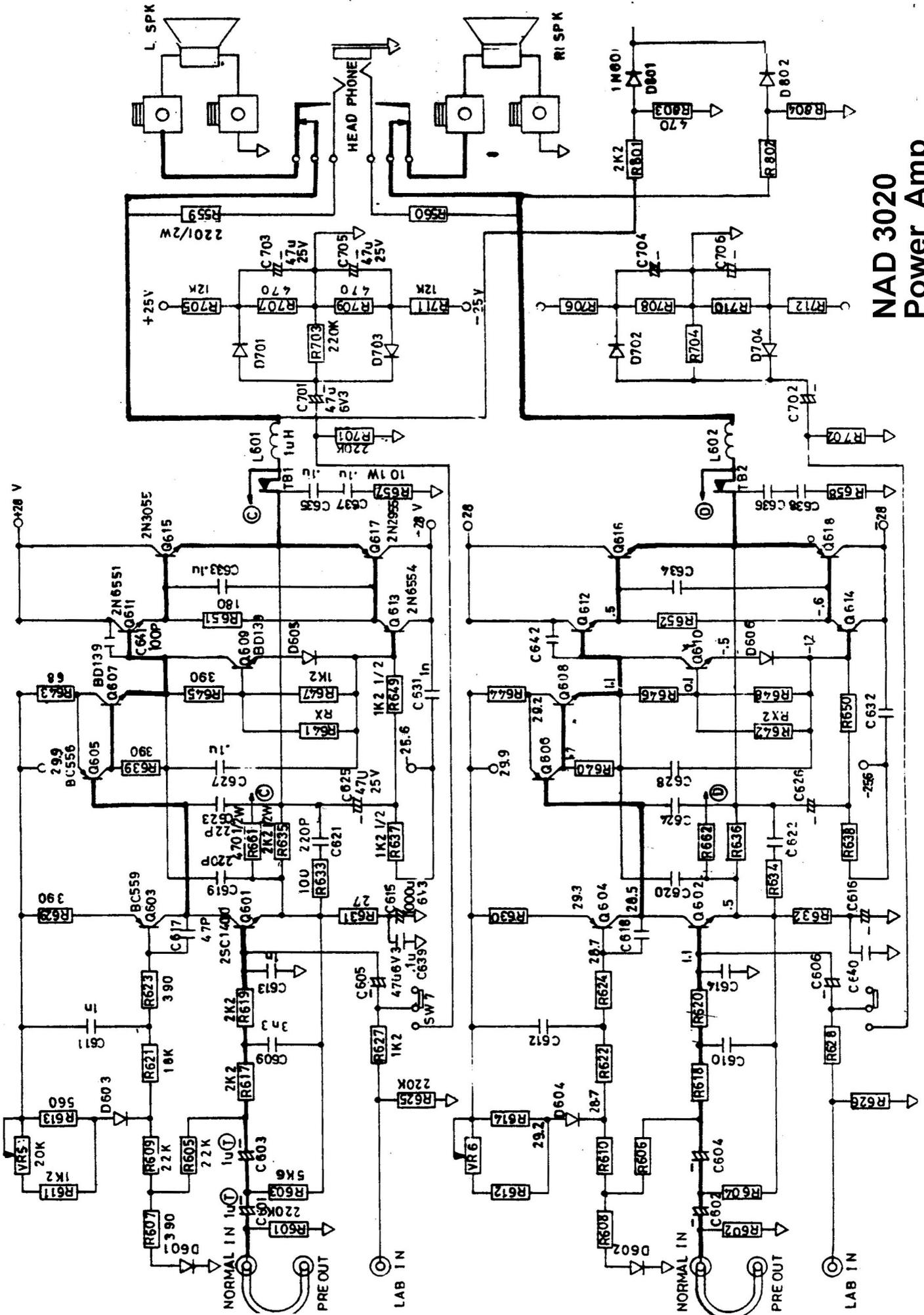
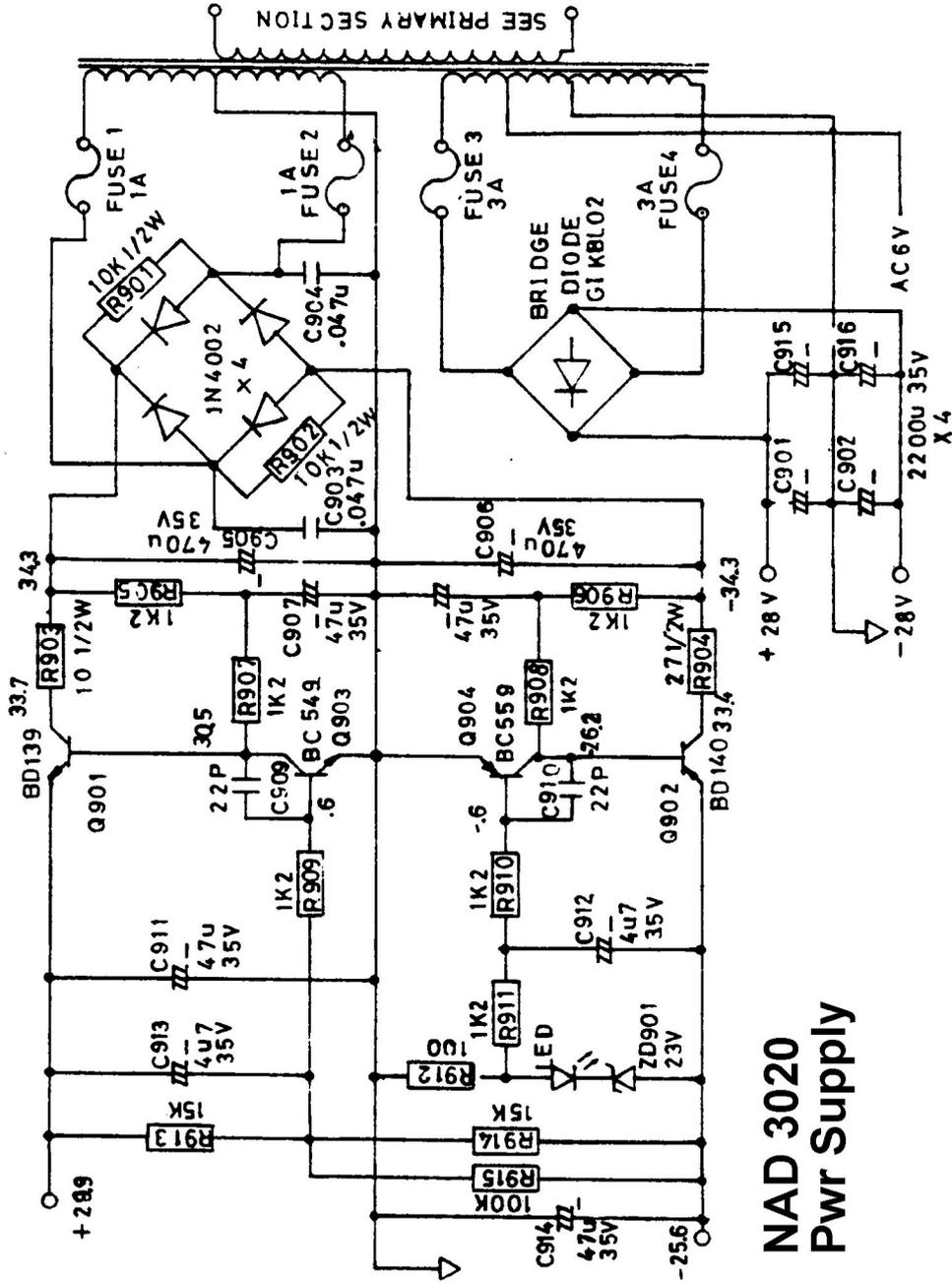


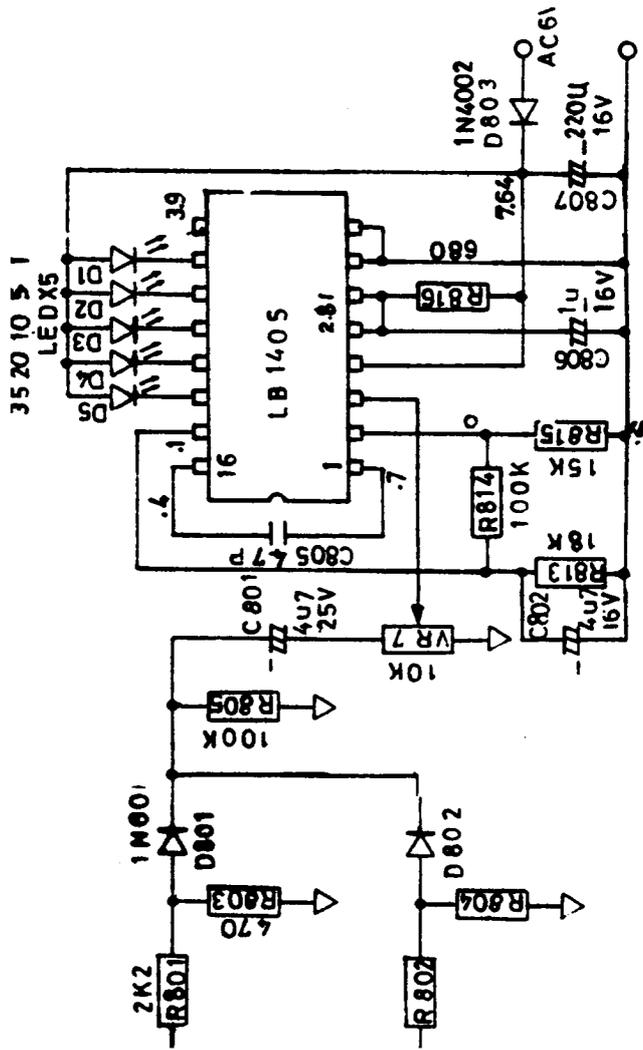
NAD 3020 Phono Preamp



NAD 3020 Power Amp



**NAD 3020
Pwr Supply**



IDLE CURRENT ALIGNMENT

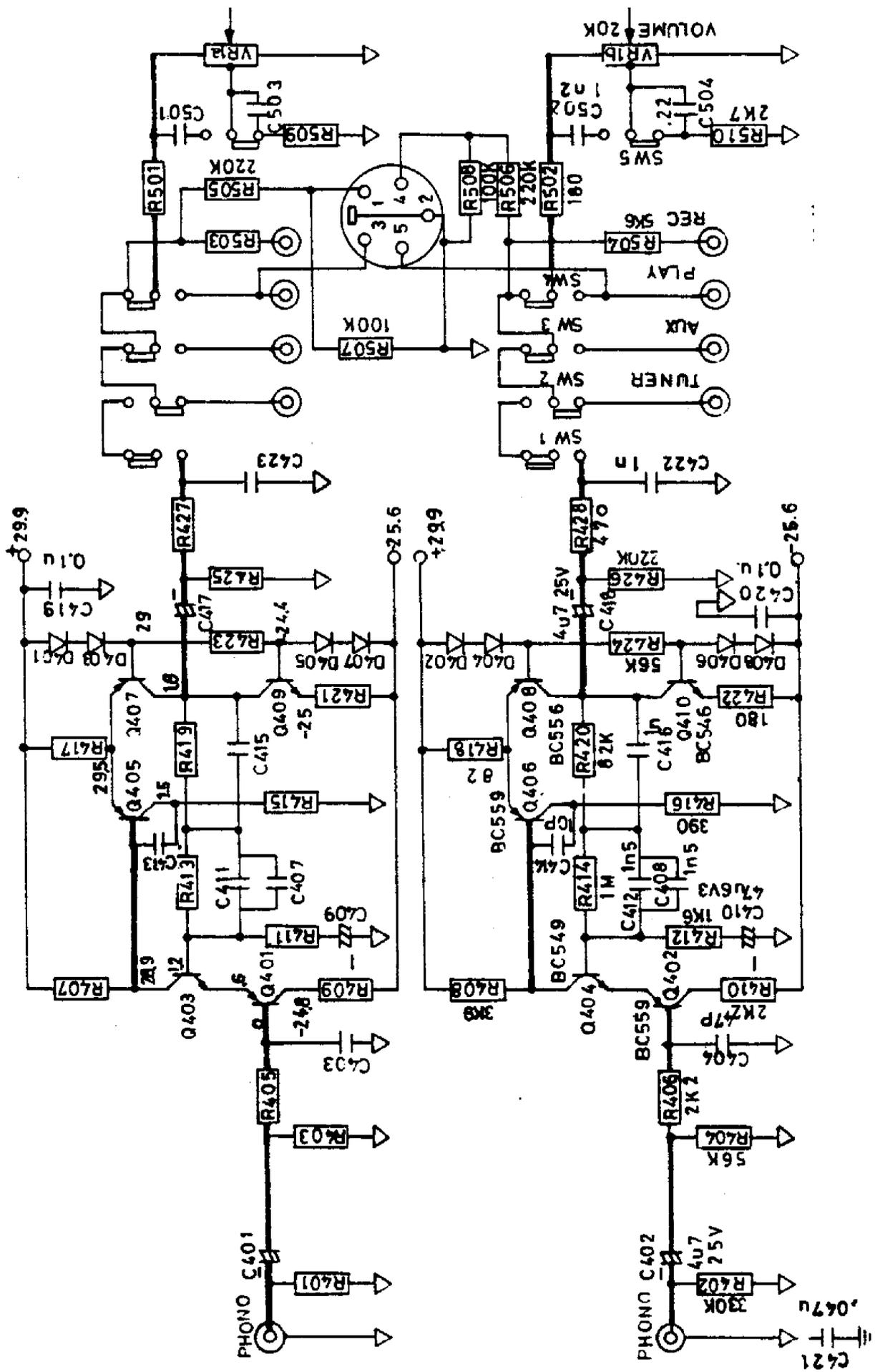
1. 5 Minutes minimum pre-heating is necessary.
2. Set the volume control at minimum position.
3. Connect DC milli-voltmeter across R654 for right channel and across R653 for left channel. The meter sensitivity should be set for 30–100mV full scale deflection. RX1 (right channel) and RX2 (left channel).
4. Insert 1 kohm carbon resistor to connect in parallel with R654 (right channel) and R653 (left channel).
5. After insert 1Kohm. if the reading of meter were between 5 mV and 11mV then the alignment is completed.
6. If the reading were less than 5mV then the value of RX1 or RX2 should be reduced till the reading is between 5mV and 11mV.
7. If the reading were more than 11mV. then the value of RX1 or RX2 should be increase till the reading is between 5mV and 11mV.

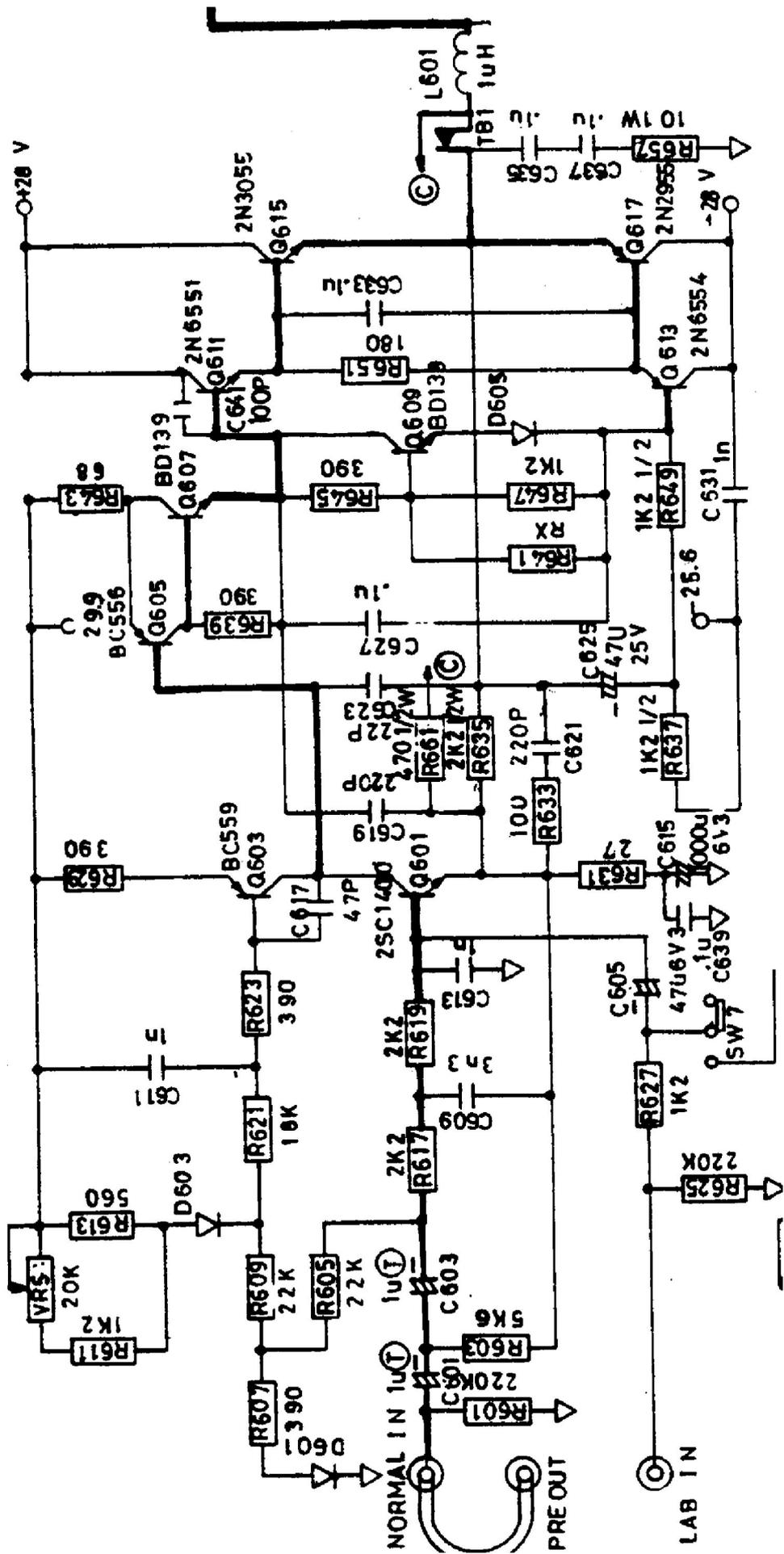
DC OFF-SET ALIGNMENT

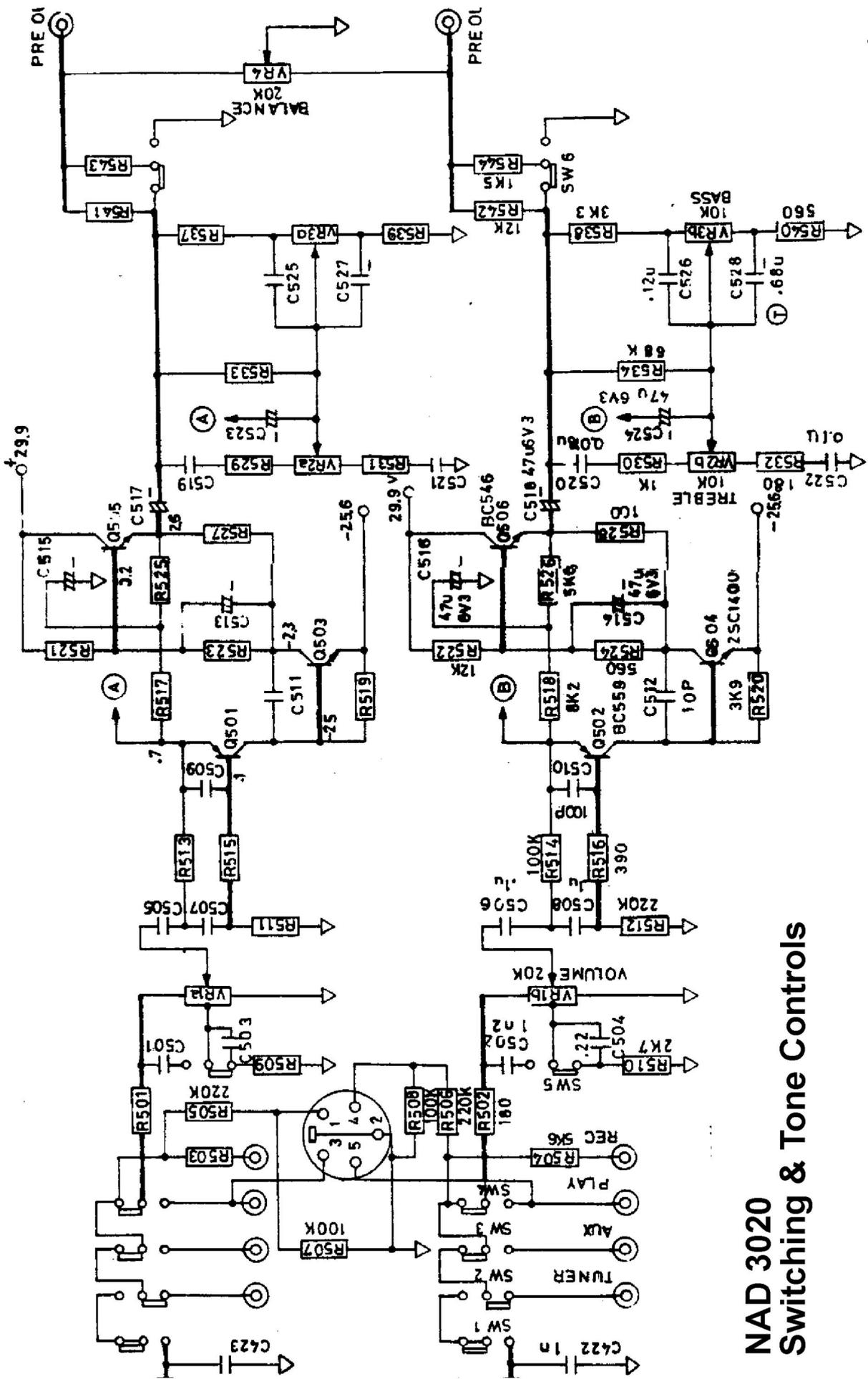
1. 5 Minutes minimum pre heating is necessary.
2. Set volume control at minimum position.
3. Connect a DC milli-voltmeter to the speaker terminals of each channel. The meter sensitivity should be set for 100-300mV full scale deflection. The positive input of the meter should be connected to the red (+) speaker terminal.
4. Adjust VR5 (for left channel) and VR6 (for right channel) till the meter reading is zero.

POWER INDICATOR ALIGNMENT

1. Feed an 1KHZ sine wave approx 150 mV RMS to AUX Input.
2. Connect an 8 ohm dummy load and an AC voltmeter and oscilloscope to the speaker terminals.
3. Set the volume control till the output voltage is 12.6V making sure that no dipping of the waveform is occurring.
4. Adjust VR7 till the LED D5 (marked 20W) is lighted.







NAD 3020
Switching & Tone Controls

