



CORNET2

Vacuum Tube MM Phonostage



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Description

The Cornet2 phonostage is a remarkable tube preamplifier; upgraded here with silver faceplates, metal film resistors, gold plated connectors, and improved capacitors. The circuit topology features common-cathode class-A gain stages with zero feedback, dual passive equalization, and constant-current cathode follower output stages. Vacuum tube rectification for high voltage provides a gentle soft-start without the need for muting circuits. The moderate gain accommodates all moving magnet and high output moving coil cartridges.

For use with low output moving coils, we recommend a Piccolo head amplifier.

Package Contents

- Cornet2
- Power cord

Specifications

Item	Specification
Gain	44dB
Input Impedance	47k ohm
Output Impedance	1k ohm
RIAA Response	+/-1dB from 25Hz to 25kHz
Bandwidth	15Hz to 30kHz
Distortion	0.02% @1kHz
Noise	72dB ref 5mV A-weighted
Overload	250mV @1kHz
Size	8" x 12" x 7"
Power	120Vac / 240Vac, 40W
Tube Compliment	12AX7 x 2, 12AU7 x 1, 5AR4 x 1

Operation

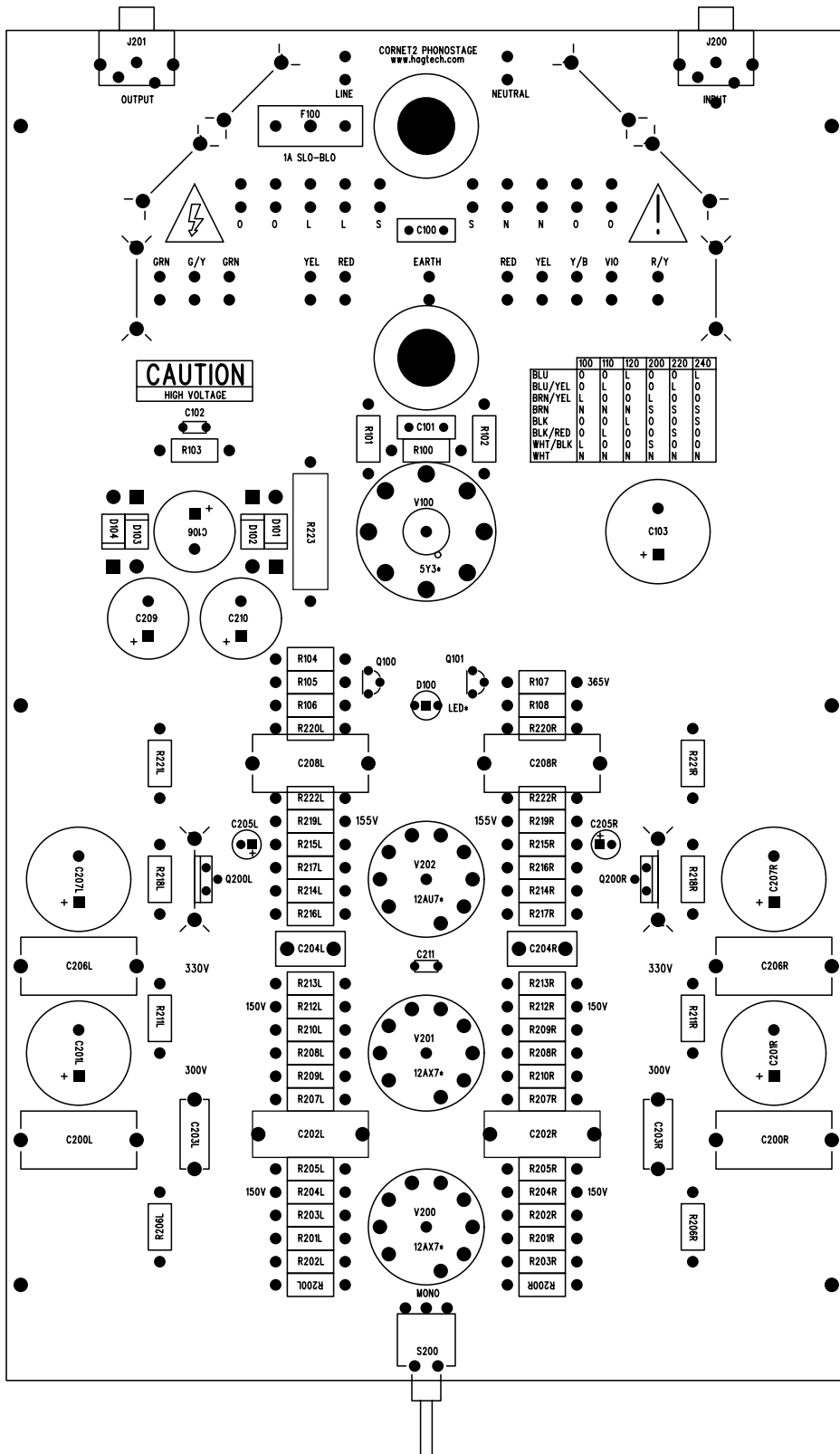
The Cornet2 installs between your turntable and linestage. Be sure to connect the ground lead to the grounding lug near the inputs. Try not to route any interconnects past the power transformer on the rear panel.

Connect the power cord to an AC source. Turn on using the power switch on the back panel. The Cornet2 requires about 30 seconds warm-up to start playing, and another 30 minutes to sound its best, which is typical of high quality tube equipment.

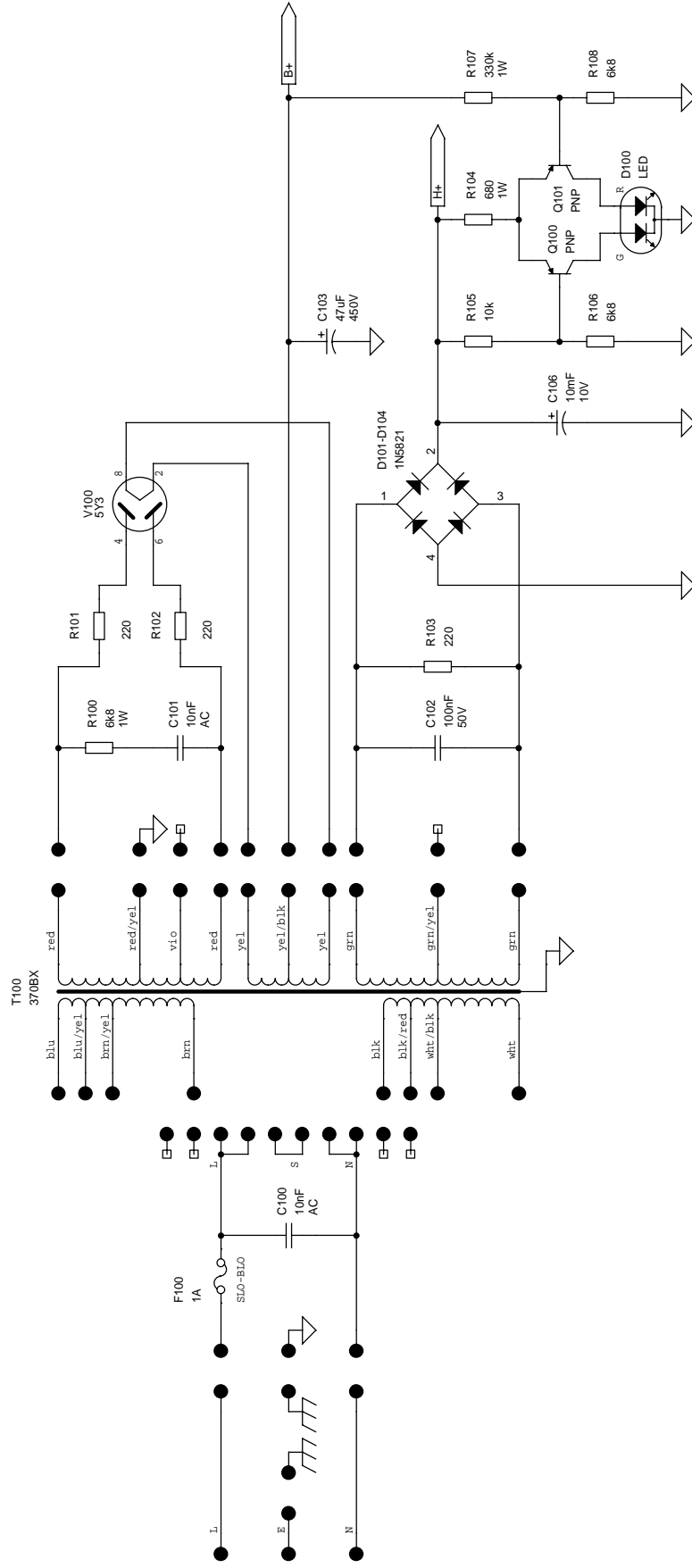
Tube Rolling

The Cornet2 responds admirably to tube rolling. New old stock (NOS) tubes are generally the best, offering various improvements to the sonics. Different tubes sound differently, and the final result becomes a matter of personal taste.

Always replace tubes with their equivalents! Do not use, for example, a 12AT7 in one of the 12AX7 locations. Starting from the front of the unit, the tubes are in order: 12AX7, 12AX7, 12AU7, and 5AR4.



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	100V	110V	120V	200V	220V	240V
Blu	NC	L	NC	NC	L	L
Blu/Yel	NC	L	NC	NC	L	NC
Brn/Yel	L	NC	L	NC	NC	NC
Brn	N	N	S	S	S	S
Blk	NC	NC	NC	NC	NC	S
Blk/Red	NC	L	NC	NC	S	NC
Wht/Blk	L	NC	NC	S	NC	NC
Wht	N	N	N	N	N	N

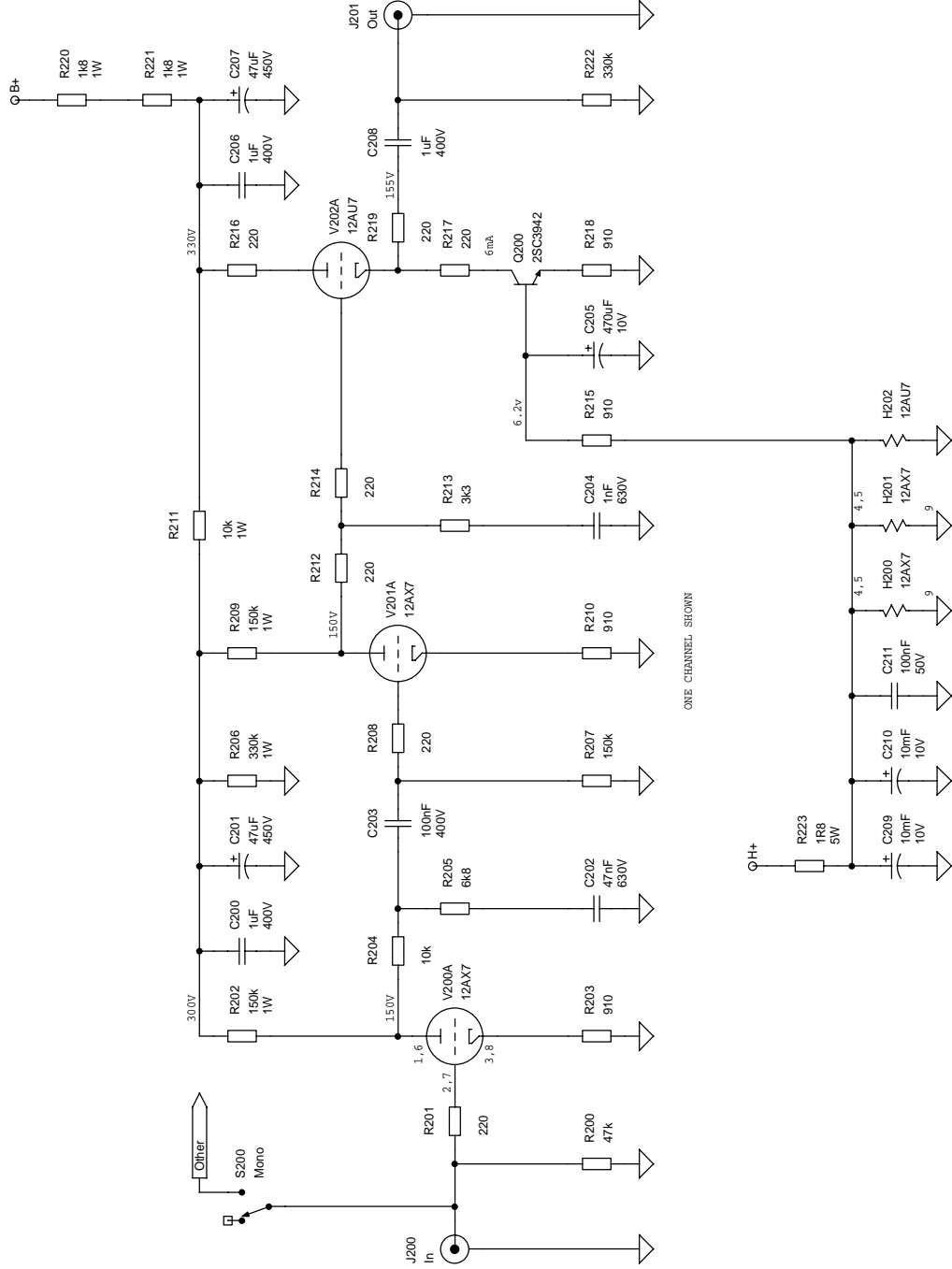
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Constructor: Powersupply
 Document Number
 n/a

Date: **Thursday, June 10, 2004**

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