



# **Cornet MC**

## ***Vacuum Tube Phono Preamplifier***



Made in USA

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# Description

The Cornet MC phonostage is a remarkable tube preamplifier, which employs an adjustable gain discrete JFET headamp stage accommodating both MM and MC carts. All amplification is via single-ended class-A triode and JFET circuits with zero feedback. RIAA equalization is implemented using a split, passive RC design. A constant current sink-loaded cathode follower provides low output impedance. No muting circuits are needed as the tube rectification provides an inherent turn-on delay.

Controls hidden on the bottom panel provide adjustment for both cartridge resistive loading and gain.

## Package Contents

- Cornet MC phonostage
- Power cord

## Specifications

Item	Specification
Gain	44dB, 56dB, 64dB, 70dB
Input Impedance	47, 100, 220, 470, 1k, 47k ohms
Output Impedance	<1k ohms
RIAA Accuracy	+/-1dB (25Hz to 25kHz)
Bandwidth	15Hz to 30kHz (minimum)
Distortion	0.08% @1kHz @64dB
SNR	67dBA ref 0.5mV @64dB
Overload	25mV @1kHz @64dB
Power	35W
Tubes	12AX7 x 2, 12AU7 x 1, 5AR4 x 1

# Installation

The Cornet MC installs like any other phono preamplifier. Connect the turntable ground wire to the **GROUND** screw terminal between the inputs. Connect the cartridge output wires to the **INPUT** RCA jacks. The **OUTPUT** jacks are line level and connect to the auxiliary input on your linestage or integrated amplifier via your favorite interconnects.

Set the controls on the bottom to match your cartridge's needs. Loading for MM types is always 47k. You can experiment for best sonics using the lower values with an MC cart. Gain is set according to the cartridge's output.

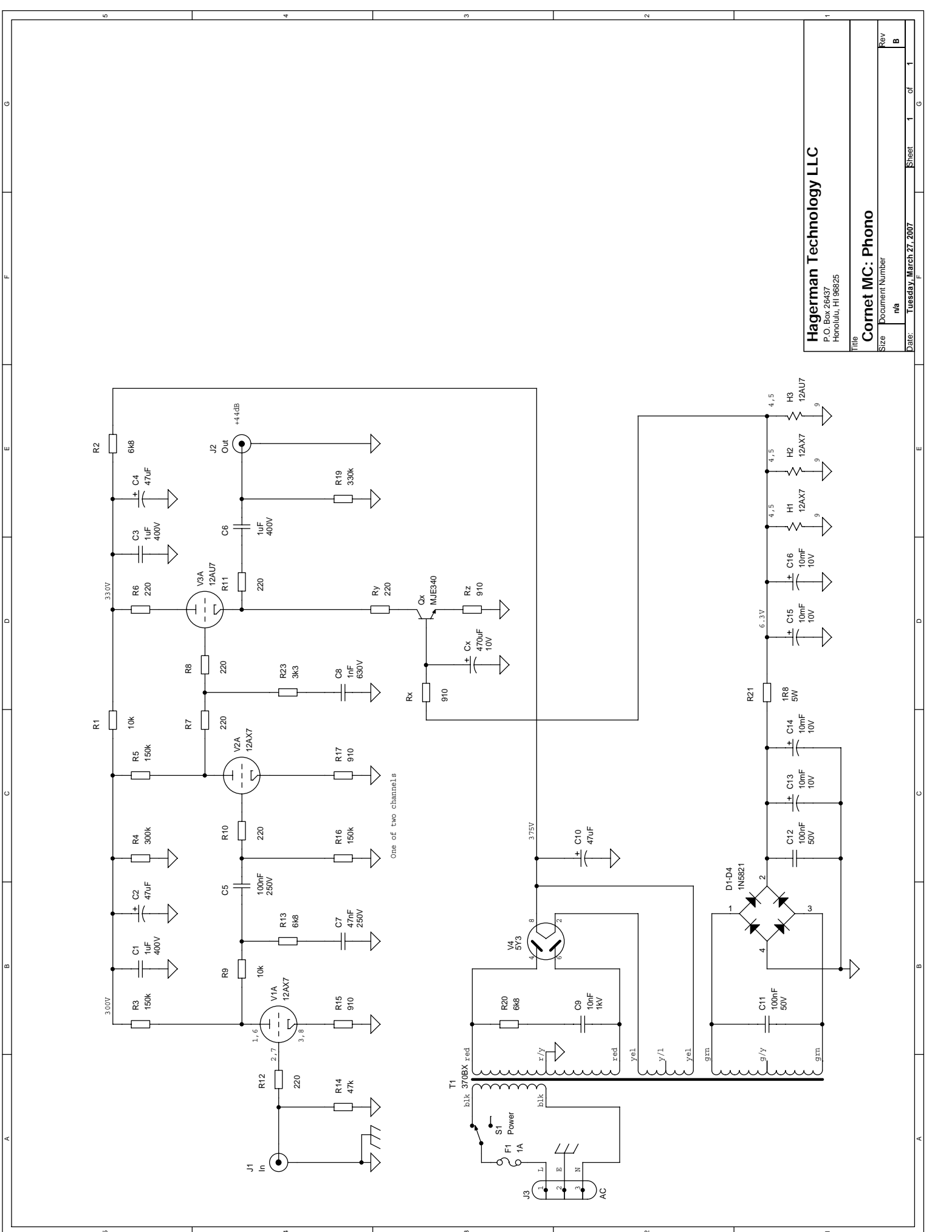
Cartridge Output	Gain Setting
<0.2mV	26dB
0.2mV to 0.6mV	20dB
0.6mV to 2mV	12dB
>2mV	0dB

Due to the tube rectified high voltage supply, there is a turn-on delay of about 20 seconds. Proper warm-up takes at least 5 minutes. Best results are after one hour.

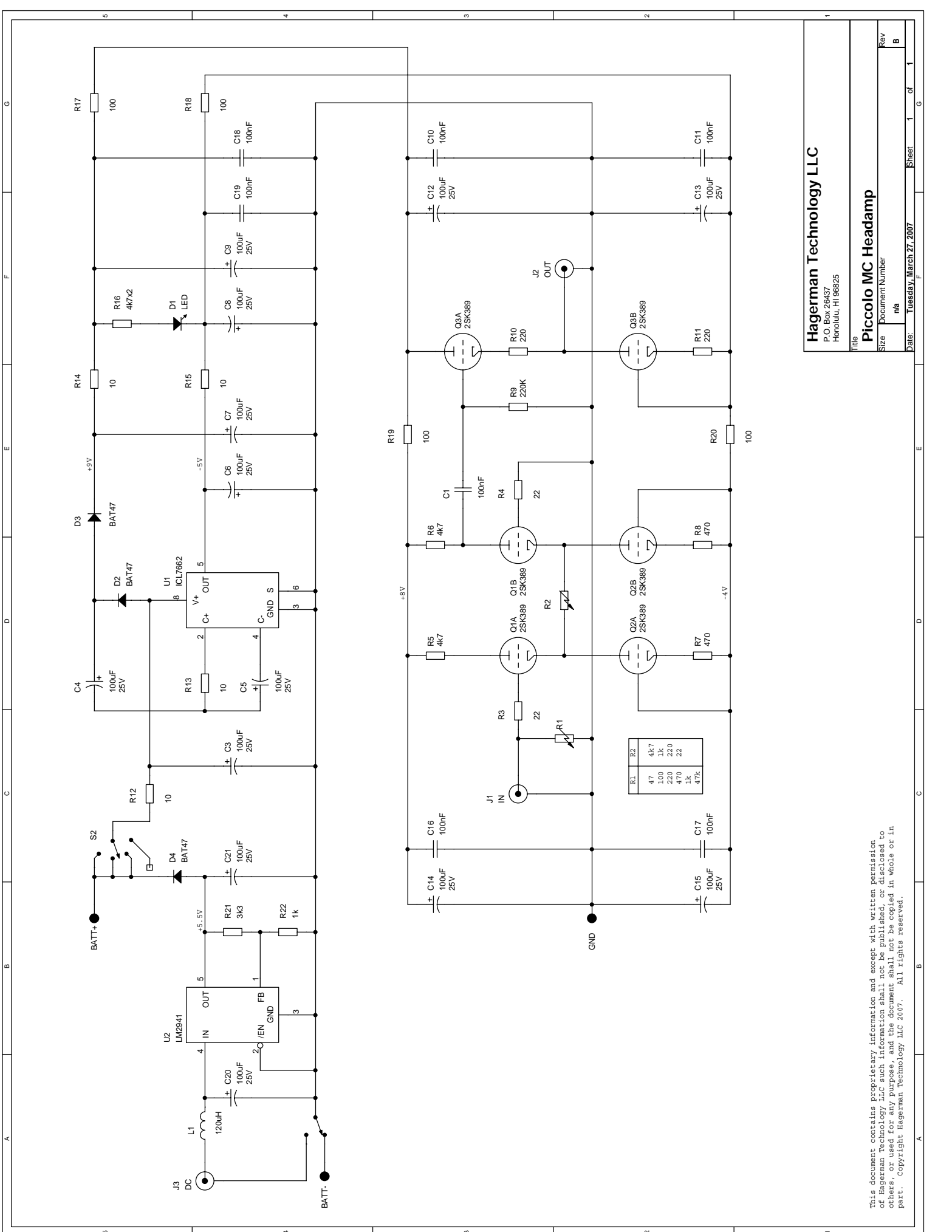
# Troubleshooting

<b>Problem</b>	<b>Solution</b>
No sound.	Is switch on? Is linestage selecting correct input? Are tubes warm? Check fuse.
Buzz or hum.	Is turntable ground wire connected? Are any power transformers or other equipment near the Cornet? Stray magnetic and electric fields can induce hum.
Volume is low.	Are you using a moving magnet or “high output” moving coil cartridge? Change gain.
Only one channel is working.	Check cables by swapping left and right channels, one of them could be bad. Bad tube?





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