Princeton Reverb Power Supply/Bias Check Sheet

Tubes [from rear, left to right]: GZ34, 6V6GT(brown), 6V6GT(blue), 12AX7(1), 12AX7(2), 12AT7, 7025
Knobs: volume=1; treb,bass=5; reverb,speed,intensity=1
Note: use jumper to ground vibrato RCA jack to stop lfo oscillation while taking measurements

Mains input voltage (Vac): 119.4
Mains input source: 1:1 isolation xformer

Power transformer, secondary side
rectifier (yellow, GZ34 pin 2 to 8)
heater (green, 7025 pins 4/5 to 9)
1/2 high voltage (red, GZ34 pin 4 to gnd)
1/2 high voltage (red, GZ34 pin 6 to gnd)

6V6 Bias power supply
input to 100K resistor
input to diode
output of diode
grid (pin 5) 6V6GT(brown)
grid (pin 5) 6V6GT(blue)

DC Power supply
Node A
Node B
Node C
Node D

Output transformer resistance (ohms):
142.1 Center tap to 6V6GT(brown) plate, pin 3, while still warm
159.1 Center tap to 6V6GT(blue) plate, pin 3, while still warm

6V6 plate dissipation
Output xformer CT to Plate drop (Vdc)
Plate voltage (pin 3, Vdc)
Screen voltage (pin 4, Vdc)
Grid voltage (pin 5, Vdc)
Cathode voltage (pin 8, Vdc)
Plate current (amps)
Plate dissipation (watts)

9 Pin tubes plate dissipation
Triode 1 (T1) circuit location
T1 Plate (pin 1, Vdc)
T1 Grid (pin 2, Vdc)
T1 Cathode (pin 3, Vdc)
T1 Cathode bias resistor (Ohms)
T1 Bias resistor voltage (far end, Vdc)
T1 Plate current (amps)
T1 Plate dissipation (watts)
Triode 2 (T2) circuit location
T2 Plate (pin 6, Vdc)
T2 Grid (pin 7, Vdc)
T2 Cathode (pin 8, Vdc)
T2 Cathode bias resistor (Ohms)
T2 Bias resistor voltage (far end, Vdc)
T2 Plate current (amps)
T2 Plate dissipation (watts)