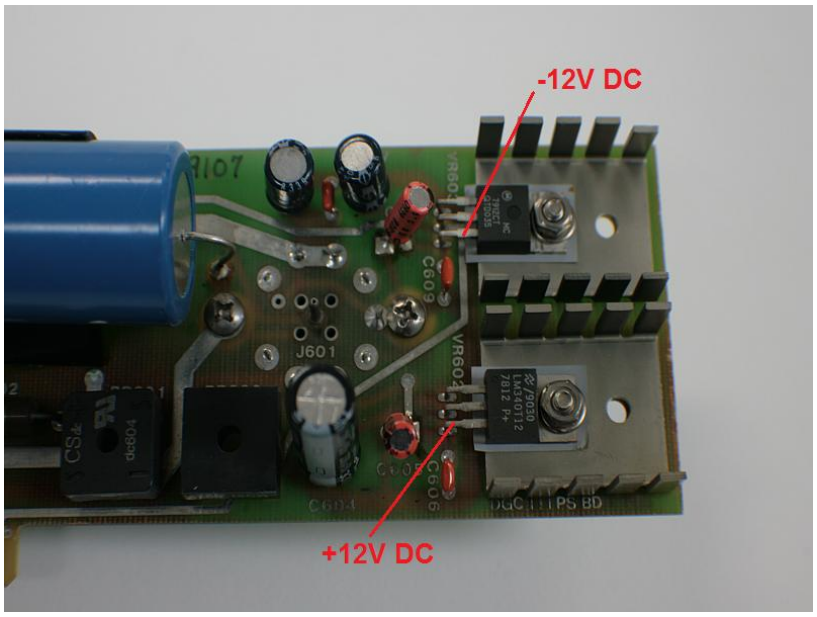
DIGIII Power supply board check

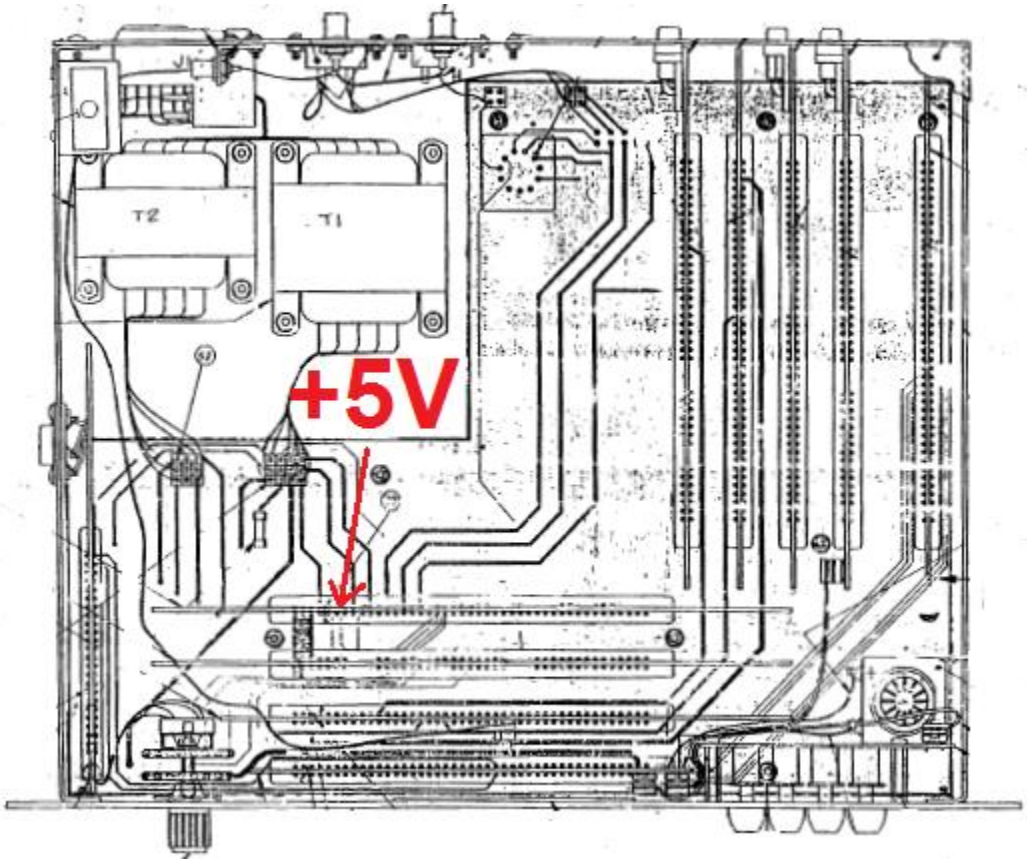
1) With power off, connect the positive multimeter probe to 3rd leg down of VR603 on the Power Supply Board, (negative probe to ground). Make sure you have a good connection. Set meter to dc volts. Turn power on. The meter should read 12VDC (+-10%). Set meter to ac volts. Meter should read 50mv ripple or less.

Note that you will need to pull the cover safety switch up.

2) Turn power off, disconnect positive probe. Connect positive probe to 3rd leg down on VR602 . Turn power on. Voltage should read -12V DC with less than 50mV of AC ripple.



3) Turn power off, disconnect positive probe. Set meter to dc volts. Touch positive probe to 3rd contact from left on the Emission Board socket. Turn power on. Meter should read 5v(+-10%). Set meter to ac volts. Meter should read 20 mv ripple or less. Turn power off.



If any of these voltages are out of spec then the power supply board is defective. The most common problems on the power supply board are defective regulators and capacitors.