

FAULT LINE CHECK

Dab a ground (for a 1/8 of a second) on the right hand side of R296 (channel 1) and R298 (channel 2), clock should go off then instantly ramp on again, do same on both resistors.

Dab ground on resistors again, this time for 1 second on each resistor

Clock should go off.

Fault lines should permanently stay active.

Red fault leds should flash continuously.

Apply ground to TP104/SHUTDOWN RESET, this will cause the amp to go out of fault mode and the clock should reset in a total count of about 7 seconds.

If all is well wind up variac supply through external bridge rectifier, verrrry slllllovy, observe 90 Volt meters and current (from current probe on scope channel) as you do so, + - 90V rails should rise together, stop at the number 3 position on the 90V Volt meters.

The +/- 27V current meters should read about 4 on meter scale.

The +/- 90V current meters should read 0 on meter scale.

The +/-100V current meters should read 4 on meter scale.

Measure voltages on J208 as follows:

Pin 4 = -13ish

Pin 7 = +13ish

Pin 2 or 3 = -28ish

Pin 8 or 9 = +28ish

Pin 1 = -54ish

Pin 10 = +54ish

Right hand side of R373 should be +10ish

Right hand side of R374 should be -10ish

Pin 4 of U209 should be -7ish

Pin 8 of U209 should be +7ish

Continue to wind variac up (verrrry slllllovy) the MUTE relays will unmute at the no. 4 position on the +/- 100V volt meters, wind all the way up to 240V, observe current usage as you go, then measure volts on J208:

Pin 4 = -27V

Pin 7 = +27V

Pin 2 or 3 = -56V

Pin 8 or 9 = +56V

Pin 1 = -100V

Pin 10 = +100V

Right hand side of R373 should be +23V

Right hand side of R374 should be -23V