

Power on but make sure that only RL105 primary relay comes on.

When amp has completed it's startup sequence switch input signal on and make sure it's set for +10dBv at 1Khz.

Use P203 channel 1 and P202 channel 2 to set a calibrated output of 55V RMS. Do same for channel 2.

SIGNAL INTEGRITY

Clip signal heavily by turning the input up, check for oscillations and other gremlins.

Measure the frequency response, should be 1dB down at 10Hz, 3dB down at 45 - 47Khz and flat in between.

Leave signal set at HF and step the input level up by 10dB, this should trigger the HF kill circuit and the amp will go into latch kill.

Reset by powering off then on.

Do above for channel 2.

Set signal 1dB below clip and measure distortion at 100Hz, 1Khz and 10Khz:

100Hz = 0.005%

1Khz = 0.005%

10Khz = 0.03%

This is assuming the analyser is measuring THD+NIOSE with a 30Khz Low pass in circuit.

Set input signal to +6dBv, drop amp level control to -20, unplug 8 Ohm load, plug .5 Ohm load into channel 1 with current probe attached to + terminal, set scope for 1V per cent.

Wind input signal up, the amp should go into latch fault mode when the signal reaches about 2.5 centimetres on the scope.

Do same on channel 2.

A latch fault mode can only be cleared by powering off and on again.

OVER VOLTAGE CHECK

Apply a 100K resistor in parallel with R304 47K (located near J208, power on and wait for startup cycle to complete, the unit should do a non latch fault then cycle round and go into latched fault kill.