

April 16, 1992

### B2005 TEST PROCEDURE

- 1) CONNECT POWER: Plug test jig into variac. Connect wires: yellow=AC, black=positive, white=negative, green=ground.
- 2) CONNECT SIGNAL: Connect outputs to load resistors using 1/4" cables. Turn pots all the way down and input a 6V p-p 2kHz signal into input A.
- 3) Slowly turn up the VARIAC to 117V AC, keeping an eye on the current meter for any jump in current. If there is excessive current, turn off immediately and check transistors Q6-Q9 & the Zener diodes. If the board powers up OK, check for +40V & -40V supply rails @ C1 and C2.
- 4) Set scope to 50mV/div. and 50us/div. Turn pot up slightly and check for a clean sine wave. Adjust the trim pot for channel A to get rid of any crossover distortion. Switch to channel B and repeat step.
- 5) Unplug all the 1/4" input and output cables. Set VOM to 200mV range and measure from left of R20 to right of R2; it should read from 4.9mV to 5.0mV. Repeat for channel B.
- 6) Use ohmmeter to make sure that the tabs on the four TIP's are really insulated electrically from the heat sink.

