

1.0 APPLICABLE DOCUMENTS

Elementary Diagram: DS200TCEBG1B
Material List: DS200TCEBG1B

2.0 EQUIPMENT

2 - Digital Multimeters (Fluke 8050A or equiv.) -- MUST read TRUE RMS -- One across input and one monitoring output
Digital Generator HP 3325A
TCEB test fixture (vernier)

3.0 INSPECTION PROCEDURE

- 3.1 Verify that no shorts exist between adjacent traces.
- 3.2 Using the material list, verify that all parts shown on the silk-screen are present, and are assembled per the silk-screen.
- 3.3 Verify proper part number and mounting of T5, T6 and T7.
- 3.4 Verify that all leads are properly soldered and connections are properly filleted and clipped.

4.0 TEST PROCEDURE

- 4.1 Verify the following resistance between the cathode terminal of CR1, 2, or 3 (cathodes are tied together) and the points below:

4.1.1	JVA-1	809K to 842K
4.1.2	JVA-3	809K to 842K
4.1.3	JVA-5	809K to 842K
4.1.4	JVA-7	809K to 842K
4.1.5	JVB-1	809K to 842K
4.1.6	JVB-3	809K to 842K
4.1.7	JVB-5	809K to 842K
4.1.8	JVB-7	809K to 842K

- 4.2 With (-) minus lead on cathode of CR1 and Fluke meter set on 2K ohm scale, verify reading of 0.50 to 0.85 to each of the following points:

4.2.1	JWX-1
4.2.2	JWY-1
4.2.3	JWZ-1

- 4.3 Verify the resistance between each pair of points listed below:

4.3.1	JV-1	JV-2	1.220 to 1.820 Kohms
4.3.2	JV-3	JV-2	1.220 to 1.820 Kohms
4.3.3	JV-4	JV-5	1.220 to 1.820 Kohms
4.3.4	JV-6	JV-5	1.220 to 1.820 Kohms
4.3.5	JKX-11	JKX-12	16.5 to 24.9 Ohms
4.3.6	JKX-10	JKX-12	16.5 to 24.9 Ohms
4.3.7	JPU-4	JPU-5	20 to 32 Ohms
4.3.8	JPU-6	JPU-7	20 to 32 Ohms
4.3.9	JPU-8	JPU-9	20 to 32 Ohms

DISTRIBUTION LIST: PWA TEST

Note: Steps 4.4 through 4.11 are critical measurements and adjustments. Use 8050A Digital Multimeter or equivalent for all input and output measurements and in all cases make measurements and adjustments as close as possible rather than just to within the test limit.

4.4 Using the AC wave generator, apply $10 \pm .01$ volts rms at 60 Hz between JV-1 and JV-2 (continue to monitor on Fluke 8050A or equiv. for rest of test). *If using the HP3324A set to 20.32 v_{p-p}*

4.5 Adjust R20 until the voltage across JMP-1 and JU-16 is $.4350 \pm .0002$ volts rms.

4.6 Attach the generator at the same setting to JV-2 and JV-3.

4.7 Adjust R22 until the voltage across JMP-3 and JU-16 is $.4350 \pm .0002$ volts rms.

4.8 Attach the generator at the same setting to JV-4 and JV-5.

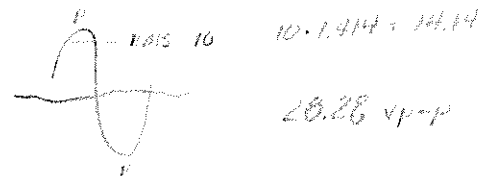
4.9 Adjust R21 until the voltage across JMP-2 and JU-16 is $.4350 \pm .0002$ volts rms.

4.10 Attach the generator at the same setting to JV-5 and JV-6.

4.11 Adjust R23 until the voltage across JMP-4 and JU-16 is $.4350 \pm .0002$ volts rms.

4.12 Test the beeper by applying 24 volts DC between JU-18 (+) and JU-17 (-). You may wish to hold one finger over top of the beeper so it won't sound so loud.

4.13 If card passes all the above tests, seal all pots and apply proper stamps.



REV	INIT	DESCRIPTION OF CHANGE	DATE COMPLETE
0	REV	Original Release - Made from 200tceb	01/30/1996
1	REV	Added instructions at 4.13 to seal all pots	04/04/1996
2	AWE	Added continual monitor in step 4.4 & deleted references to HP 3455A Multimeter	08/27/1997