



GE Energy

Functional Testing Specification

Parts & Repair Services
Louisville, KY

GE-Factory

Test Procedure for cards tested at any of the GE Factories

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DATE 8/7/2008	DATE	DATE	DATE 8/7/2008

Test procedure for sending units back to the factory for repair.

1. SCOPE

1.1 This test procedure provides guidance for reviewing cards tested at a GE factory.

2. STANDARDS OF QUALITY

2.1 Refer to the current revision of the IPC-A-610 standard for workmanship standards.

3. APPLICABLE DOCUMENTS

2.1.1 None

4. ENGINEERING REQUIREMENTS

4.1 Equipment Cleaning

4.1.1 Equipment should be clean and free of debris prior to applying power unless performing an initial check. Refer to the local documented procedures for cleaning guidelines.

4.2 Equipment Inspection

4.2.1 Equipment should be visually inspected for any defects prior to applying power. This inspection should include the following as a minimum:

4.2.1.1 Wires broken or cracked

4.2.1.2 Terminal strips / connectors broken or cracked

4.2.1.3 Loose wires

4.2.1.4 Components visually damaged

4.2.1.5 Capacitors leaking

4.2.1.6 Solder joints damaged or cold

4.2.1.7 Circuit board burned or de-laminated

4.2.1.8 Printed wire runs burned or damaged

5. EQUIPMENT REQUIRED

5.1 The following equipment is required to perform the process requirements. Equipment may be substituted provided that all accuracy's and test ratios are equivalent or better.

Qty	Reference #	Description
1	None	

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6. TESTING PROCESS

- 6.1 All GE parts sent back to the factory for repair will be tested to their specifications.
- 6.2 Upon return from the factory the card or assembly will be reviewed by a technician for the following
 - 6.2.1 Any unusual damaged due to shipping or handling.
 - 6.2.2 Model Number needs to be checked and possibly changed because the factory sometimes exchanges repaired parts
 - 6.2.3 Serial Number needs to be checked and possibly changed because the factory sometimes exchanges repaired parts
 - 6.2.4 Warranty Job Label shall be added to unit.
 - 6.2.5 Any accessories will be shipped back with item.
- 6.3 *****TEST COMPLETE *****

7. NOTES

- 7.1 None at this time