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GE Industrial Systems

Functional Testing Specification

*Renewal Services
Louisville, KY*

LOU-GED-193X383xx

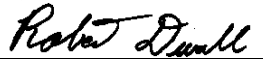
Test Procedure for a Firing card

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A	Initial release	S. Pharris	07/03/02
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PREPARED BY Steve Pharris	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL 
DATE 07-03-2002	DATE	DATE	DATE 08/14/02

Functional test procedure for an AF-400 Firing Card

1. SCOPE

1.1 This is a functional testing procedure for a. 193X383AAG01

2. STANDARDS OF QUALITY

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

3. APPLICABLE DOCUMENTS

3.1 The following document(s) shall form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue shall apply.

2.1.1

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		100 Ohm Resistor
1		O-Scope
<u>1</u>		SCR Firing Box
1		+20VDC Power Supply
<u>1</u>		BNC to Banana Connector

6. TESTING PROCESS

6.1 Setup

6.1.1

6.2 Testing Procedure

6.2.1 Set power supply for +20VDC

6.2.2 Connect + output from power supply to +20A or +20B

6.2.3 Connect common from power supply to common on firing box to 1COM or 2COM.

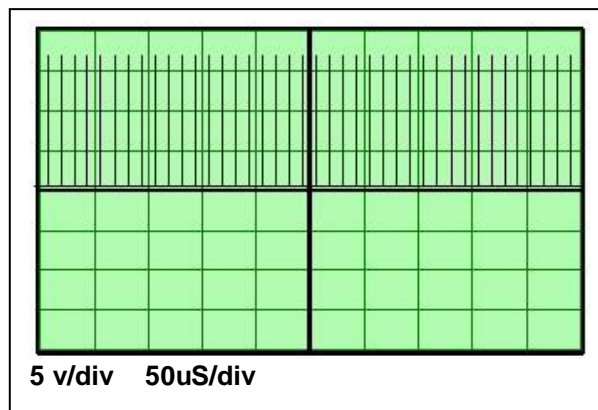
6.2.4 Connect + output from firing box to FS1 or FS2

6.2.5 Connect scope to connector with 100 ohm resistor between terminals on connector

6.2.6 Connect AG and AC(or BG & BC) to scope

6.2.7 Turn on power supply and firing box.

6.2.8 Verify wave form below. If wave form matches card passed.



6.3 ***TEST COMPLETE***

7. NOTES