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GE Industrial Systems

Functional Testing Specification

*Renewal Services
Louisville, KY*

LOU-GED-36C774345BA

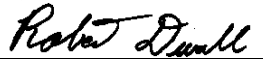
Functional test procedure for 36C774345BA Motor field control Module

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PREPARED BY F. Howard	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL 
DATE 06/19/02	DATE	DATE	DATE 06/19/02

Functional test procedure for 36C774345AA Motor field control Module

1. SCOPE

1.1 This is a functional testing procedure for a 36C774345AA Motor field control Module.

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 **36C774345AA**__

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	H033782	36C774345AA Test Unit
1		Fluke 9010A
1	H033509	General Purpose Tester
1		Fluke 85 Multimeter (or equivalent)
1		Fluke Z80 Interface Pod
1		MFR Personality Module

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6. TESTING PROCESS

6.1 Setup

6.1.1

6.2 Testing Procedure

6.2.1 Perform component test on 531X167MFRA card to be repaired.

6.2.2 Assemble card to be tested into H033782 shop unit.

6.2.3 Connect MFRA Personality Module onto General Purpose Tester H033509

6.2.4 Connect Z80 pod to GPT and to Fluke 9010A.

6.2.5 Click on the "Transfer" icon on computer screen. Enter "T" at the "Enter Option" prompt. Enter MFR.H at the Host Filename prompt.

6.2.6 After you receive "receiving complete" message on fluke, enter "Q" to quit that screen and it will take you back to icons. Click on "shortcut to Pcplustd". Hit any key on the next two screens and then test program will come up. Follow prompts and commands to complete tests.

6.3 *TEST COMPLETE *****

7. NOTES