



GE Energy

Functional Testing Specification

Parts & Repair Services
Louisville, KY

LOU-GED-IS230STAI2ASTAI2AG01

Test Procedure for an IS230STAI2ASTAI2AG01 Assembly

DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial Release	J. Francis	8/19/2010
B			
C			

© COPYRIGHT GENERAL ELECTRIC COMPANY

Hard copies are uncontrolled and are for reference only.

PROPRIETARY INFORMATION – THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GENERAL ELECTRIC COMPANY AND MAY NOT BE USED OR DISCLOSED TO OTHERS, EXCEPT WITH THE WRITTEN PERMISSION OF GENERAL ELECTRIC COMPANY.

PREPARED BY J. Francis	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL <i>Charlie Wade</i>
DATE 08/20/2010	DATE	DATE	DATE 8/19/2010

<p>LOU-GED-IS230STAI2ASTAI2AG01 REV. A</p>	<p>g</p> <p>GE Energy Parts & Repair Services Louisville, KY</p>	<p>Page 2 of 3</p>
---	--	---------------------------

1. SCOPE

1.1 This is a functional testing procedure for an IS230STAI2ASTAI2AG01 Assembly.

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.

3.1.1 Check board's electronic folder for more information.

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, cracked, or loosely connected

4.2.1.2 Terminal strips / connectors - broken or cracked

4.2.1.3 Components - visually damaged

4.2.1.4 Capacitors - bloated or leaking

4.2.1.5 Solder joints - damaged or cold

4.2.1.6 Circuit board - burned or de-laminated

4.2.1.7 Printed wire runs / Traces - 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	-	Fluke 85 DMM (or Equivalent)
1	H188818	Toffee Test System #14
1	H188857	Toffee test fixture for IS220PAIC

<p>LOU-GED-IS230STAI2ASTAI2AG01 REV. A</p>	<p>g</p> <p>GE Energy Parts & Repair Services Louisville, KY</p>	<p>Page 3 of 3</p>
--	--	--------------------

6. TESTING PROCESS

6.1 Setup

6.1.1 Remove each PAIC from unit.

6.1.2 Remove all cards from unit.



Note: Check unit for any shorted components before applying power to unit. If at any point a portion of test fails, troubleshoot and repair problem before continuing testing.

6.2 Testing Procedure

6.2.1 Test each individual PAIC using the **LOU-TOFFEE-IS220PAIC** test procedure found in models database.

6.2.2 Test each individual card using the **LOU-GE-COMPTEST-G** test procedure found in the models database.

6.3 *****TEST COMPLETE*****

7. Notes

7.1 None at this time.

8. Attachments

8.1 None at this time.