

<div></div>		Functional Testing Specification	
Parts & Repair Services Louisville, KY		LOU-GED-IS200IVSHG1A	
Test Procedure for a			
DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column			
REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	Jimmy Morgan	10/22/18
B			
C			
PREPARED BY J. Morgan	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL L. Groves
DATE 10-22-2018	DATE	DATE	DATE 10/23/2018

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1. SCOPE

1.1 This is a functional testing procedure for a is200IS 200IVSHG1A Card.

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 site specific SRA's 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 87 DMM (or Equivalent)

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6. Modifications/Upgrades

6.1 NONE.

7. Testing Process

7.1 Setup

7.1.1 None

7.2 Testing Procedure

7.2.1 Visually verify the following:

7.2.1.1 12 White plastic standoffs

7.2.1.2 3 Metal connectors SHA, SHB, SHC

7.2.1.3 2 Aluminum "L" brackers (one along each side of the card)

7.2.2 Using a multimeter verify continuity between the following connections.

7.2.2.1 STA TO E1

7.2.2.2 STA TO E2

7.2.2.3 STC TO E3

7.2.2.4 STC TO E4

7.3 Post Testing Burn-in

Required ☐ Yes ☒ No



Note: All MARK I, II, & III Turbine related cards require a post testing burn-in of 100 hours.

7.4 *TEST COMPLETE *****