



## GE Power Generation Engineering

Materials and Processes Engineering  
Schenectady, NY 12345

PROCESS SPECIFICATION

P3K-AL-0046-A01

### PROCESS INSTRUCTIONS FOR TESTING THE PRESSURE-LOAD GATE AMPLIFIER CIRCUIT BOARD 114D6003 G-3

DOCUMENT REVISION STATUS: DETERMINED BY THE LAST ENTRY IN THE "REV" AND "DATE" COLUMN

REV.	AN NO.	DESCRIPTION	SIGNATURE	REV. DATE
A	YA00096	SPECIFICATION LISTED IN STEAM TURBINE/GENERATOR INDEX AS "INACTIVE" HAS BEEN FORMALLY REVISED AS "INACTIVE FOR NEW DESIGN". (PR BUDKA)	C.R. Trappi	DEC 02 1991
<div>INACTIVE FOR NEW DESIGN AS OF 12/02/91</div>				

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SCOPE

This process instruction provides a method for performing a functional check with the necessary adjustments for the subject circuit board prior to installation in the EHC cabinet.

TEST PROCEDURE

- (1) Examine the circuit board to see that the electrical components and printed circuits are not physically damaged.
- (2) Check for continuity between pins 8 and 9.
- (3) Check for continuity between pins 6 and 7.
- (4) Plug circuit board 114D6003 G-3 into the test fixture.
- (5) Use an ohmmeter to check that there are no short circuits between any combinations of pins 17, 19, 21, 38 and 40.
- (6) Connect a resistance of 900 ohms between pins 37 and 19.
- (7) Connect a resistance of 900 ohms between pins 27 and 19.
- (8) Connect the input of a high gain dc operational amplifier to pin 29 and the output to pin 41.
- (9) Connect a well regulated plus (+) 30.0 volt dc power supply to pins 17 and 38. The negative voltage terminal should be connected to pin 19.
- (10) Connect a well regulated minus (-) 22.0 volt dc power supply to pins 21 and 40. The positive voltage terminal should be connected to pin 19.
- (11) All voltage measurements will be made with respect to testpoint TP11.
- (12) Adjust R3 to provide +10.40 volts at pin 37.
- (13) Adjust R2 to provide -10.40 volts at pin 27.
- (14) Apply a test voltage of +0.500 volts to pin 20 as measured at TP1. The voltage at pin 25 and TP2 should be between -4.90 and +5.15 volts.
- (15) Apply a test voltage of -0.500 volts to pin 20 as measured at TP1. The voltage at pin 25 and TP2 should be between -0.10 and +0.10 volts.

REVISIONS

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PROCESS INSTRUCTIONS FOR TESTING THE  
PRESSURE-LOAD GATE AMPLIFIER CIRCUIT BOARD

FIRST MADE FOR Drawing 114D6003 G-3

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REVISIONS

- (16) Remove all test equipment.
- (17) Remove the circuit board from the test fixture and identify it with a suitable mark to indicate that it has been tested and adjusted in accordance with this instruction.

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PRINTS TO

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