



## GE Power Generation Engineering

Materials and Processes Engineering  
Schenectady, NY 12345

PROCESS SPECIFICATION

**P24B-AL-4913**

### INSTRUCTIONS FOR TESTING THE BYPASS VALVE AMPLIFIER CIRCUIT BOARD

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. Trippi	DEC 02 1991
<div>INACTIVE FOR NEW DESIGN AS OF <u>12/02/91</u></div>				

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PREPARED BY: **P. R. BUDKA**

ORIG. ISSUE DATE: --



REV NO.

0 A

TITLE

INSTRUCTIONS FOR TESTING THE BYPASS  
VALVE AMPLIFIER CIRCUIT BOARD

P24B-AL-4913

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SH NO.

3

FIRST MADE FOR

Dwg. 947D374 G4

REVISIONS

- (12) Apply -1.25 volts to pin 35. The voltage at TP3 and pin 23 should be between +4.9 to +5.1 volts.
- (13) Remove the -1.25 volt input to pin 35 and the signal ground from pin 29.
- (14) Apply -0.470 volts to pin 29 and +5.000 volts to pin 35.
- (15) Adjust R2 until the voltage at TP3 is 0.000 volts.
- (16) Remove the .470 volts from pin 29 and the +5.000 volts from pin 35.
- (17) Remove the signal ground from TP5 and connect pins 29 and 35 to signal ground, pin 19.
- (18) Set R<sub>B</sub> to give -0.125 volts at TP3.
- (19) Connect the input of a high gain dc operational amplifier to pin 33 and the output to pin 37.
- (20) Set R<sub>J</sub> to the full clockwise position.
- (21) Adjust R<sub>I</sub> to give +5.00 volts at TP3.
- (22) The voltage at TP4 and pin 25 should be between -4.90 and -5.10 volts.
- (23) Remove the signal ground from pin 29 and apply -.06 volts to pin 29.
- (24) Slowly turn R<sub>J</sub> counterclockwise.
- (25) Observe that the magnitude of the negative voltage at TP4 and the positive voltage at TP3 are reduced. When the voltage at TP3 reaches approximately +2.5 volts, it will become fixed while the voltage at TP4 continues to decrease.
- (26) Remove all test equipment.
- (27) 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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273-2

273-12

273-132

273-138

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PRINTS TO

MADE BY

H. Keller Jan. 24 '69

ISSUED

FEB 3 1969

APPROVALS

Steam Turbine

DIV OR  
DEPT.

P24B-AL-4913

Schenectady, N. Y.

LOCATION

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CONT ON SHEET --	FIRST MADE FOR	Drwg. 947D374 G4	

REVISIONS

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273-712

273-2

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PRINTS TO

FL-6  
FL-4  
FL-1

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ISSUED FEB 3 1969		LOCATION Schenectady, N. Y.	CONT ON SHEET -- SH NO. <b>34</b>