

GE Power Generation Engineering

PROCESS SPECIFICATION

Materials and Processes Engineering Schenectady NY 12345

P24B-AL-4846

TEST INSTRUCTIONS FOR MONITOR PANEL RESISTOR CARD

DOCUMENT REVISION STATUS: DETERMINED BY THE LAST ENTRY IN THE "REV" AND "DATE" COLUMN							
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P24B-AL-4846

TEST INSTRUCTIONS FOR MONITOR PANEL RESISTOR CARD

CONT ON SHEET 23 SH NO. +2

TITLE

FIRST MADE FOR 170X326

SCOPE

Monitor Resistor Card PL-948D197 and PL-945D804 Schematic 119C6479

(A) GENERAL

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- (B) TEST EQUIPMENT
- (C) SET UP
- (D) ISOLATION TEST
- (E) RESISTANCE TEST
- (F) POT RANGE TEST

H. KELLER APR. 11, 1968 SSUED

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TEST INSTRUCTIONS FOR MONITOR PANEL RESISTOR CARD

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FIRST MADE FOR 170X326

(A) GENERAL

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This board consists of eleven (11) sets of resistors, one fixed and one variable in each set. The values of the fixed and variable are different.

The test consists of three parts.

The first, isolation test will show up any shorts or leakage between pairs of resistors.

The resistance test will check the correct wiring and proper resistance values.

The last test will check the pot ranges and resistance values at the proper pin connections.

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TEST INSTRUCTIONS FOR MONITOR PANEL RESISTOR CARD

CONT ON SHEET 45 SH NO.

FIRST MADE FOR

170X326

- (B) TEST EQUIPMENT
 - (1) Standard Test Panel
 - (2) Ohmeter
- (C) SET UP
 - (1) For isolation test, use step switch and connect as follows --

Arm to one side of ohmeter. The other side of ohmeter to pin 39. Connect taps on switch as follows --

Tap	Pin No
1	3
2	7
3	11
4	15
5	20
6	23
7	27
8	31
9	35
10	36

(2) For resistance test connect step switch as follows --

Тар	Pin No.
1	1
2	5
3	9
4	13
5	18
6	22
7	25
8	29
9	33
10	37
11	41

(3) Tie the following pins together --

3, 7, 11, 15, 20, 23, 27, 31, 35, 36 and 39.

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TEST INSTRUCTIONS FOR MONITOR PANEL RESISTOR CARD

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FIRST MADE FOR

170X326

(D) ISOLATION TEST

- (1) Connect step switch, refer to set up instructions (C) Item (1).
- (2) Step switch from positions I through 10 and observe obmeter. Keadings should be above 1.0 Megohms.
- (E) RESISTANCE TEST
 - (1) Adjust all pots to clockwise position.
 - (2) Connect step switch, refer to set up instructions (C) Item (2).
 - (3) Step switch from positions I through II and observe the following resistance readings. All readings to be plus or minus 1%.

Тар	Resistance	in	K	ohms
1	34.	8		
2	34.	. 8		
3	24,	9		
4	24.	9		
5	26,	7		
6	26.	. 7		
7	5.	0		
8	5.	0		
9	5.	0		
10	5.	0		
11	5	n		

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TITLE TEST INSTRUCTIONS FOR MONITOR P24B-AL-4846

FIRST MADE FOR

PANEL RESISTOR CARD 170X326

(F) POT RANGE TEST

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CONTON SHEET #7 SHIND STOP

- (1) Adjust all pots to counterclockwise position.
- (2) Repeat step 3 readings to be plus or minus 2%.

Tap	Resistance in K ohms
1	44.8
2	44.8
3	34.9
4	34.9
5	36.7
6	36.7
7	10.0
8	10.0
9	10.0
10	10.0
11	10.0

TEST COMPLETE

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GENERAL & ELECTRIC P24B-AL-4846 CONT ON SHEET TITLE TEST INSTRUCTIONS FOR MONITOR P24B-AL-4846 PANEL RESISTOR CARD CONT ON SHEET -SH NO. 47 FIRST MADE FOR 170X326 REVISION-REVIEWED WITH: P. T. GARDNER EHC MANUFACTURING PREPARED BY: H. KELLER TURBINE CONTROL ENGINEERING APPROVED BY: L. H. JOHNSON, SUPERVISOR TURBINE CONTROL ENGINEERING

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Data Sheet

Job #			•		_			 -
Job # Serial #					Burn-in Start			
Date								
Data Sheet for0948D197G0001 Test ProcedureP24B-AL-4846				Burn-in Stop				
				Technician				
Test				Pot Values				
Procedure Step	Nominal	Lower Limit	Pre-Burn in Results	Post Burn in Results	Upper Limit	It app CW	licable CCW	Pass/Fail
D	> 1 M ohm	1 M ohm		:				
E-1	34.8K ohm	34452 ohm			35148 ohm	R2		
E-2	34.8K ohm	34452 ohm			35148 ohm	R4		
E-3	24.9K ohm	24651 ohm			25149 ohm	R6		
E-4	24.9K ohm	24651 ohm			25149 ohm	R8		
E-5	26.7K ohm	26433 ohm			26967 ohm	R10		
E-6	26.7K ohm	26433 ohm			26967 ohm	R12		
E-7	5K ohm	4950 ohm			5050 ohm	R14		
E-8	5K ohm	4950 ohm			5050 ohm	R16		
E-9	5K ohm	4950 ohm			5050 ohm	R18		
E-10	5K ohm	4950 ohm			5050 ohm	R20		
E-11	5K ohm	4950 ohm			5050 ohm	R22		
F-1	44.8K ohm	43904 ohm			45696 ohm		R2	
F-2	44.8K ohm	43904 ohm			45696 ohm		R4	
F-3	34.9K ohm	34202 ohm			35598 ohm		R6	
F-4	34.9K ohm	34202 ohm			35598 ohm		R8	
F-5	36.7K ohm	35966 ohm			37434 ohm		R10	
F-6	36.7K ohm	35966 ohm			37434 ohm		R12	
F-7	10K ohm	9800 ohm			10200 ohm		R14	
F-8	10K ohm	9800 ohm			10200 ohm		R16	
F-9	10K ohm	9800 ohm			10200 ohm		R18	
F-10	10K ohm	9800 ohm			10200 ohm		R20	
F-11	10K ohm	9800 ohm			10200 ohm		R22	