		G	ENERAL 🍪 ELECTR	1 C	P3K-AL-0339-	-A01
REV NO.		TITLE			T ON SHEET 10	sh No. 9
	AL-0339-A01	TEST I	NSTRUCTION FOR SPEED RING AND MATCHING	REFERENCE		
CONT ON S	HEET 10 SH NO. 9	FIRST MAD	DE FOR MK	£I		
						REVISION
r	TEST_INSTRUCTIONS	# c/~~ 1 1 + 1	1S2-B001	·	et annien et antid servere e estabolis en	
	Assembly	117D7314	4			
5	Schematic	117D <b>773</b> 8				
1	PROCEDURE					
A	A. Refer to P3K-AI	L-0494-A02	for test circuits, e	quipment lis	t, and	
	set up instruct	ions.		•	•	
E	3. Table A provide this circuit.	es the step	by step procedure t	o follow in	testing	
	C. Table B provide	s a sten h	y step description of	f innut walk		
	(to use as a tr	oubleshoot	ing aid).	r rubar vores	ages	
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LOCATION CONT ON SHEET 10

## GENERAL & ELECTRIC

P3K-AL-0339-A01

CODE IDENT NO.

CONT ON SHEET 20 SH NO. 19 TITLE P3K-AL-0339-A01 TEST INSTRUCTION FOR SPEED REFERENCE MONITORING AND MATCHING CONT ON SHEET 20 SH NO. 19 FIRST MADE FOR MK II ACTION REVISION! INPUT AT PINS 1 7 1Ø 13 15 17 27 28 i 33 STEP 1 STEP 2 APP P38 STEP 3 APP P39 STEP 4 APP P7 X STEP 5 REM P7 STEP 6 REM P39 STEP 7 APP P39 STEP 8 APP P9 Χ STEP 9 REM P9 STEP 10 REM P39 STEP 11 APP P39 STEP 12 REM P39 STEP 13 APP P37 STEP 14 APP P1Ø Χ STEP 15 REM P1Ø STEP 16 REM P37 STEP 17 APP P37 STEP 18 APP P9 X STEP 19 REM P9 STEP 20 REM P37 STEP 21 APP P37 STEP 22 REM P37 STEP 23 APP P33 X STEP 24 APP P41 Х STEP 25 APP P34 X PRINTS TO D.Mone Feb. 9, 1977 APPROVALS Steam Turbine DIV OR P3K-AL-0339-A01 \_ DEPT. ISSUED FEB 10 1977. Schenectady 20 sh no. 19 LOCATION CONT ON SHEET PP-803-WA (8-74) PRINTED IN U.S.A.

GENERAL (%) ELECTRIC P3K-AL-0339-A01 21 BH NO. 20 TITLE TEST INSTRUCTION FOR SPEED REFERENCE MONITORING P3K-AL-0339-A01 AND MATCHING CONT ON SHEET 21 SH NO. 20 FIRST MADE FOR MK II REVISIONS ACTION INPUT AT PINS 1 7 9 10 1 \_13\_ 28 + 33 1.5 27 STEP 26 APP P28 X STEP 27 REM P28 X STEP 28 REM P41 STEP 29 REM P33 STEP 30 REM P34 STEP 31 APP P13 X STEP 32 REM P13 STEP 33 APP P15 X STEP 34 REM P15 STEP 35 APP P17 X STEP 36 REM P17 STEP 37 APP P35 STEP 38 APP P36 STEP 39 REM P36 STEP 40 REM P35 STEP 41 APP P27 Х STEP 42 APP P34 Χ STEP 43 REM P27 STEP 44 APP P28 Χ STEP 45 REM P28 STEP 46 APP P35 STEP 47 APP P36 STEP 48 REM P36 STEP 49 REM P35 STEP 50 REM P34 PRINTS TO D.Mone Feb. 9, 1977 APPROVALS DIV OR Steam Turbine P3K-AL-0339-A01 \_ DEPT. FEB 10 1977 Schenectady LOCATION CONT ON SHEET 21 SH NO. 20

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CODE IDENT NO.

GENERAL & ELECTRIC P3K-AL-0339-A01 CONT ON SHEET 22 SH NO. 21 TITLE TEST INSTRUCTION FOR SPEED REFERENCE MONITORING P3K-AL-0339-A01 AND MATCHING CONT ON SHEET 22 SH NO. 21 FIRST MADE FOR MK II REVISIONS ACTION INPUT AT PINS 1 . 7 1Ø i 13 \_15\_\_ \_\_17\_\_ 27 28 ' 33 STEP 51 APP P1 X STEP 52 APP P41 Х STEP 53 REM P1 STEP 54 REM P41 STEP 55 REM P38 PRINTS TO D.Mone Feb. 9, 1977 APPROVALS Steam Turbine DIV OR P3K-AL-0339-A01 ISSUED FEB 10 1977 Schenectady LOCATION CONT ON SHEET 22 PP-BO3-WA (B-74) PRINTED IN U.S.A. CODE IDENT NO.

GENERAL & ELECTRIC P3K-AL-0339-A01 CONT ON SHEET 23 SH NO. 22 TITLE TEST INSTRUCTION FOR SPEED REFERENCE MONITORING P3K-AL-0339-A01 AND MATCHING CONT ON SHEET 23 22 BH NO. FIRST MADE FOR MK II ACTION REVISIONS INPUT AT PINS 34 3.5\_ 36 37 + 38 39 41 STEP 1 STEP 2 APP P38 Х STEP 3 APP P39 Х Х STEP 4 APP P7 X Х STEP 5 REM P7 X X STEP 6 REM P39 X STEP 7 APP P39 Х Х STEP 8 APP P9 X X STEP 9 REM P9 X X STEP 10 REM P39 X STEP 11 APP P39 X X STEP 12 REM P39 Х STEP 13 APP P37 X X STEP 14 APP P10 X X STEP 15 REM P10 X Χ REM P37 STEP 16 X STEP 17 APP P37 X X STEP 18 APP P9 X Χ STEP 19 REM P9 Х X STEP 20 REM P37 X STEP 21 APP P37 X STEP 22 REM P37

D.Mone Feb. 9, 1977

PF-803-WA (8-74) PRINTED IN U.S.A.

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STEP 23 APP P33

STEP 25 APP P34

APP P41

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STEP 24

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LOCATION CONT ON SHEET SH NO.

CODE IDENT NO.

PRINTS TO

## GENERAL & ELECTRIC

P3K-AL-0339-A01

CONT ON SHEET 24

sh NO. 23

P3K-AL-0339-A01

REV NO.

TITLE

TEST INSTRUCTION FOR SPEED REFERENCE MONITORING

AND MATCHING

	CONT ON SHEET	24	SH NO.	23	AND I				MK II	_					
i	ACTI	ON						INP	UT AT	PINS				REVISIO	15
				34		5	36	37	38	39	41				
	STEP 26	APP	P28	Х					Х						
	STEP 27	REM	P28	X					Х		X				
	STEP 28	REM	P41	X					Х					_	
	STEP 29	REM	P33	X					X						
-	STEP 3Ø	REM	P34						X						
	STEP 31	APP	P13						X						
	STEP 32	REM	P13						X						
-	STEP 33	APP	P15						Х						
	STEP 34	REM	P15						X					_	
	STEP 35	APP	P17						Х						
-	STEP 36	REM	P17	<u> </u>					X						
	STEP 37	APP	P35	ļ	<u> </u>				Х			ļ		_	-
	STEP 38	APP	P36	ļ	X		Х		X						
-	STEP 39	REM	P36		Х				Х						
-	STEP 4Ø	REM	P35						X	- <u>.</u>				 _	
-	STEP 41	APP	P27		·				Х						
-	STEP 42	APP	P34	X					X						
-	STEP 43	REM ]	P27	X					_х						
	STEP 44	APP 1	P28	X	-	-			х						
-	STEP 45	REM I	P28	X					Х					_	
	STEP 46	APP I	235	Х	X				Х						
-	STEP 47	APP I	236	X	X		х		Х						:
-	STEP 48 H	REM I	236	Х	X	1			Х						, f
-	STEP 49 F	REM E	235	Х					Х						7
	STEP 50 F	REM F	234						Х		····				1
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Schenectady

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P3K-AL-0339-A01

LOCATION CONT ON SHEET 24

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GENERAL & ELECTRIC P3K-AL-0339-A01 REV NO. TITLE CONT ON SHEET 25 sh NO. 24 TEST INSTRUCTION FOR SPEED REFERENCE MONITORING P3K-AL-0339-A01 AND MATCHING CONT ON SHEET 25 24 FIRST MADE FOR MK II REVISIONS ACTION INPUT AT PINS 34 3.5 36 37 | 38 39 STEP 51 APP P1 X STEP 52 APP P41 X STEP 53 REM P1 X STEP 54 REM P41 X STEP 55 REM P38 + PRINTS TO D.Mone Feb. 9, 1977 APPROVALS Steam Turbine DIV OR P3K-AL-0339-A01 FEB 1 0 1977 Schenectady LOCATION CONT ON SHEET 25 SH NO. PF-803-WA (8-74) PRINTED IN U.S.A.

CODE IDENT NO.



## **GE Power Generation Engineering**

PROCESS SPECIFICATION

Materials and Processes Engineering Schenectady, NY 12345 P3K-AL-0494-A02

## TEST INSTRUCTIONS FOR GENERAL CURCUIT CARD TEST PROCEDURES-LOGIC

DOCUI	MENT REVISIO	IN STATUS: DETERMINED BY THE LAST ENTRY IN THE "REV" A	ND "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. Trippil	EC 0 2 1991 -
		INACTIVE FOR NEW DESIGN AS OF 12/02/91		
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PREPARED BY:	P.R.	BUDKA	
ORIG. ISSUE DATE:	-	•	

NO. OH		TITLE CONT ON SHEET	SH NO. 🚬
P3K <b>-</b> A	L-0494 <b>-</b> A02	TEST INSTRUCTIONS FOR GENERAL CIRCUIT CARD TEST PROCEDURES-LOGIC	
CONT ON SHEET	SH NO. 2	FIRST MADE FOR EHC MK II	
Ι.	EQUIPMENT LIST		REVISIO
	A. DVM B. CT C. Scope D. WT E. FPS 1,2 F. PS 1 G. PS 2, PS3, P	Digital Voltmeter 5 digit AC/DC/Ohms Counter Timer Oscilloscope (Storage) Function Generator DC Power Supply 0-65V DC Power Supply 0-320V S4 DC Power Supply 0-32V S54 DC Power Supply 0-32V S555 DC Power Supply 0-32V S556 DC Power Supply 0-32V S56 DC Power Supply 0-32V S57 DC Power Supply 0-32V S57 DC Power Supply 0-32V S58 DC Power Supply 0-32V S59 DC Power Supply 0-32V	4 A 20
II.	SETUP PROCEDURES		<b>.</b>
	A. All logic ci	rcuits are tested under a 50K load, tolerance + 1%	
	B. All signals unless other	are measured and applied with respect to pin 40 wise noted.	
III.	INTERPRETATION O	F TEST TABLES	
		st tables which provide the <sup>step</sup> by step procedure llowing code:	,
	2. App Pnn	d - Initial conditions of the test - Apply 24VDC to pin nn - Remove 24VDC from pin nn	
	B. The logic te voltages.	st tables apply the following code for measured	
	X Indicate	s a DC voltage - level not important	
·	Ø OVDC		
	A 24.0 VDC	Tolerance 0.1 VDC	
	B 22.9 VDC C 22.5 VDC	11 41	
	C 22.5 VDC D 21.8 VDC	n u	
•	E 21.4 VDC	n n	
	F 20.7 VDC		
	*		273-5
•	/	PR	273-31
. ,	PREPARED BY	CINY	273-2
:		C.R. Gugg EHC Test Engineer	273-12
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		11 Killing	273-13
	REVIEWED BY	DI JAMA	1/3 22
	•		<del>273 -22</del>
			273-71
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ADE BY D.Mone M	ar. 30, 1976	APPROVALS Steam Turbine DIV OR P3K-AL-0494-A	PRINTS
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