

REV NO. <u>Q1</u> P3K-AL-0446-A01 CONT ON SHEET 2 SH NO. 1	TITLE TEST INSTRUCTIONS STANDBY STOP VALVE CONTROL CIRCUIT BOARD FIRST MADE FOR
--	--

REVISIONS

1 04/20/75 J22 0-1976  
 IC5-102 R100N

## SCOPE

The test procedure detailed below covers the checkout of circuit board SB SV CONT. (Assembly 125D3644) (Schematic 125D3267)

## EQUIPMENT REQUIRED

Equipment Type	Quantity
1. DC Power Supply (0-25 Volt)	3
2. Digital Voltmeter (DVM)	1
3. Function Generator (Low Frequency)	1
4. Oscilloscope	1

ACTIVE FOR Test

BY GC DATE 7/11/97

## PROCEDURE

### A. Internal Power Supply

1. Connect terminal 39 to high quality ground.
2. Connect terminal 37 to  $+22.000 \pm .002$  VDC relative to terminal 39.
3. Connect terminal 41 to  $-22.000 \pm .002$  VDC relative to terminal 39.
4. Measure voltage between TP1 and TP11 with DVM. It must be  $+15.7 \pm 1.0$  VDC.
5. Measure voltage between TP2 and TP11 with DVM. It must be  $-15.7 \pm 1.0$  VDC.
6. Leave +22 VDC, -22 VDC and high quality ground connected as above during rest of tests.

### B. IC5

1. Jumper 10K resistor across feedback for nulling operation. Connect TP50 to terminal 39. Measure voltage between TP3 and TP11 with DVM and adjust VR54 for null (0.000 VDC). Tolerance  $\pm 1$  mv. Remove 10K resistor and TP50 jumper.

*over*

2. With VR2 max. CCW and 0.0185 VDC/sec input to pin 34, TP3 voltage should be within 0.609-0.621 VDC.  
 With VR2 max. CW and 0.0185 VDC/sec input to pin 34, TP3 voltage should be within 0.877-1.094 VDC.

273-2  
 273-2  
 273-1  
 273-  
 273-  
 273-  
 PRINT

MADE BY <u>D. Mone</u> <u>May 23, 1975</u>	APPROVALS	Steam Turbine Schenectady, N.Y.	DIV OR DEPT. LOCATION	P3K-AL-0446-A01 CONT ON SHEET 2 SH NO. 1
ISSUED <u>MAY 23 1975</u>				870

REV. NO. 01

TITLE

TEST INSTRUCTIONS STANDBY : STOP VALVE  
CONTROL CIRCUIT BOARD  
FIRST MADE FOR

P3K-AL-0446-A01  
CONT ON SHEET 3 SH NO. 2

REVISIONS

## PROCEDURE (continued)

### C. Voltage Divider Network

1. Measure voltage at terminal 33 relative to terminal 39.  
It must be within -13.577 to -13.851 VDC.
2. Connect terminal 8 to terminal 14.
3. Measure voltage at terminal 33 relative to terminal 39.  
It must be within 2.264 to 2.310 VDC.

### D. Resistance Tests

1. Measure resistance between terminals 9 and 10 with ohmmeter while rotating VR1 from full clockwise to full counterclockwise. Resistance must vary between 20,000  $\pm$  10% and 0 ohms.

- E. Continuity Tests - Use the ohmmeter to verify continuity between points indicated.

<u>POINT</u>	<u>AND</u>	<u>POINT</u>
Terminal 1	and	Terminal 39
Terminal 11	and	Terminal 39
TP5	and	Terminal 34
TP3	and	Terminal 10
TP4	and	Terminal 8
Terminal 14	and	Terminal 39

1 O. Y. Mone APR 6 1976  
C. 14.3 - chaf VDC

PRINTS TO

MADE BY D. Mone May 23, 1975

APPROVALS

Steam Turbine

DIV OR DEPT.

P3K-AL-0444-A01

ISSUED MAY 23 1975

Schenectady, N.Y.

LOCATION

CONT ON SHEET

3

SH NO. 2

CODE IDENT NO

Rev. NO. 51  
 P3K-AL-0446-A01  
 CONT ON SHEET --- SH NO. 3

TITLE  
 TEST INSTRUCTIONS STANDBY STOP VALVE  
 CONTROL CIRCUIT BOARD  
 FIRST MADE FOR

REVISIONS

PREPARED BY R.E. Squillace DATE 4-14-75  
 R.E. Squillace  
 EHC DESIGN ENGINEERING

APPROVED BY P.C. Callan DATE 5-22-75  
 P.C. Callan - MANAGER  
 EHC DESIGN ENGINEERING

REVIEWED BY C.A. Bugg DATE 5-25-75  
 C. Bugg  
 EHC TEST ENGINEER

1 D. Y. HALL APR 6 1975  
 No change

PRINT

MADE BY D. Mone May 23, 1975	APPROVALS	Steam Turbine	DIV OR DEPT.	P3K-AL-0446-A01
ISSUED MAY 23 1975		Schenectady, N.Y.	LOCATION	CONT ON SHEET --- SH NO. 3