REV NO. #2

P3K-AL-0195
CONT ON SHEET 2 SH NO. 1

TITLE
REACTOR PRESSURE TEST - BOARD NO. 125D3668 *

FIRST MADE FOR EHC MARK I 125D3668

REVISIONS
APR 23 1985 S. Sebast — REVISED & RETYPED
2 — V. Schneider APR 30 1985 — CHANGES MADE

273-12[2]
273-71
273-138
273-5
~~273-277~~
273-314
PRINTS TO

SCOPE

This instruction provides a method for performing a functional check with the adjustments for the subject board prior to installation in the EHC cabinet. Further adjustments will be required when the board is installed in the EHC cabinet.

RELEASE FOR Test BY GC DATE 7/11/97

TEST PROCEDURE

1. Adjust VR3 ("A"), VR4 ("B"), and R24 (Dial of REACTOR PRESSURE TEST POT) to the full CCW position. Use a good ohmmeter or resistance bridge to measure the resistance between pins 16 and 19 and between pins 17 and 19, and to check operation of REACTOR PRESSURE TEST STEP INPUT switch S1 and REACTOR PRESSURE TEST SELECTOR switch S2 in accordance with schematic number 125D3263. The resistance between pins 16 and 19 should be between 1.050 and 1.350 megohms with S1 ON and S2 in the TEST A position. The resistance between pins 17 and 19 should be between 1.050 and 1.350 megohms with S1 ON and S2 in the TEST B position. Then use the ohmmeter or resistance bridge to check the short circuit between pins 39 and 41.

2. Check continuity from pins 15, 23, 18, and 25 in conjunction with the operation of PRESSURE SYSTEM FAIL switches S3 and S4 in accordance with schematic number 125D3263. Disconnect all resistance measuring equipment from the board.

3. Apply +30 VDC to pin 1 and -22 VDC to pin 7 with their common connected to pin 19.

4. Adjust R24 (DIAL) to the full CCW position. With switch S1 in the ON position and switch S2 in the TEST A position, apply +5.00 VDC to pin 16 and adjust VR3 for +0.70 VDC from point 2 on switch S2 to GND (pin 19).

5. Adjust R24 (DIAL) to the full CW position and observe that the point 2 to GND voltage of step 4 goes from +0.70 VDC to zero VDC.

6. In this condition the PRESSURE TEST IN PROGRESS LED-1 (RED) light should blink for G1 and G2 boards. It should only become lit on a G3 board.

7. Throw switch S1 to the OFF position. The point 2 on switch S2 to GND voltage of step 4 should go to +5.0 VDC and the LED-1 (RED) light should be OUT.

8. With switch S2 in the TEST B position instead of the TEST A position and adjusting VR4 instead of VR3, ^ repeat steps (4) through (7).
   CHANGE Voltage INPUT FROM PIN 16 TO PIN 17
   GPC 4/19/89

MADE BY S. Sebast APR 23 1985	APPROVALS	Steam Turbine — DIV OR DEPT.	P3K-AL-0195
RE ISSUED APR 23 1985		Schenectady, NY — LOCATION	CONT ON SHEET 2 SH NO. 1

TEST PROCEDURE (continued)

9. Depress switch S4 and LED-1 (RED) light should blink for G1 and G2 boards. It should only become lit for a G3 board.

10. With LOAD SET DEMAND switch S5 in the ON position, adjust R25 (Dial of LOAD SET DEMAND POT) to the full CW position. Adjust VR5 to read +5.000 volts on a DVM at TP1. Read the same voltage at pin 27.

11. With LOAD SET DEMAND switch S5 in the ON position, observe LOAD SET DEMAND LED-2 (YEL) light is blinking for G1 and G2 boards, but only lit for a G3 board, and observe +5.0 VDC from TP1 to GND.

12. Adjust R25 (Dial of LOAD SET DEMAND POT) to the full CCW position and observe that the voltage TP1 to GND goes to zero VDC.

13. Set switch S5 to OFF and adjust R25 (DIAL) to full CW. Observe zero VDC at TP1.

REVISIONS

1	L. Sebast APR 23 1985	REVISED & RETYPED
2	V. Schneider APR 30 1985	CHANGES MADE

PRINTS TO

REV NO. 02

P3K-AL-0195

CONT ON SHEET ----- SH NO. 3

TITLE

REACTOR PRESSURE TEST
BOARD NO. 125D3668 *
FIRST MADE FOR

REVISIONS

1	K. Kellehast	APR 23 1985	REVISED & RETYPED
2	V. Dellorfano	APR 30 1985	CHANGES MADE

PREPARED BY H. Keller DATE 12/5/73

H. Keller
EHC DESIGN ENGINEERING

REVISED BY P.E. Malone DATE 4/1985
Dem 4/29/85

P.E. Malone
Utility Turbine Control Application Engineering
Building 285 - Room 112

APPROVED BY P C Callan DATE 11-21-73

P.C. Callan - MANAGER
EHC DESIGN ENGINEERING

APPROVED BY C R Boyd DATE 11/16/73

R. Dellorfano
EHC TEST ENGINEER

PRINTS TO

MADE BY D. Mone Dec. 3, 1973

ISSUED Dec 4, 1973

APPROVALS

Steam Turbine DIV OR DEPT.

Schenectady, N.Y. LOCATION

P3K-AL-0195

CONT ON SHEET ---- SH NO. 3

CODE IDENT NO.