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CONT ON SHEET 2 NEV DI TITLE P3K-AL-0567-A01 TEST INSTRUCTIONS FOR STAGE PRESSURE FEEDBACK TRANSFER LOGIC MOTOR SET WITH CV TESTING CIRCUIT BOARD 1L2-B004 FIRST MADE FOR (Ass'y Drawing 137D6775 G1) CONT ON SHEET 2 SH NO.

I. SCOPE

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This instruction outlines the test specifications for circuit board 1L2-B004 (Ref. drawing 137D6775). System Schematic 137D6755 w/CV test bias (S & L MSV).

II. CIRCUIT DESCRIPTION

The SPF Transfer Circuit combines the related switching signals in order to establish the relay switching actions required to perform transfers between SPF OUT and SPF IN operation. This version is used with motor driven transfer potentiometers and with SPF during control valve testing. This board also provides the switching permissives for the CV test bias signal during valve test.

III. CIRCUIT SPECIFICATIONS

- 1. Before coating the board, each of the 32 diodes should be checked to insure that redundancy is effective.
- Connect ground to pin 40 and +24 VDC to pin 38.

Connect 24V 20 MA lamps to pins 2, 3, 4, 7, 8, 9, 11, 13, 17, 19, 23, 24, 25, 31, 32, 34, 36.

The logic and path continuity should conform with the following table:

Some parts of the table are sequential, therefore, the sequence of stages should be strictly adhered to.

Care has been taken so that only one input transition occurs at a time; it is understood that this is a constraint of the available test set-up. Were this not the case the table could be shortened to a smaller number of stages.

NOTE:

The 1L2-B004 circuit board is same as 1L2-B001 except addition of second - pole for relays K5, K7 and K12, plus added pin 19 and CR31, CR32.

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P3K-AL-0567-A01

Steam Turbine Schenectady, N.Y.

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GENERAL & ELECTRIC P3K-AL-0567-A01 CONT ON SHEET 3 REV (TITLE TEST INSTRUCTIONS FOR STAGE PRESSURE FEEDBACK TRANSFER LOGIC P3K-AL-0567-A01 CIRCUIT BOARD 1L2-B004 MOTOR SET WITH CV TESTING FIRST MADE FOR (Ass'y Drawing 137D6775 G1) SH NO. CONT ON SHEET REVISIONS COMMENTS *о р. 0 See ပ J. Schnible FEB PINS CHANGES AT. OUTPUT 24 CORRECT ·3 a ∞ 3 ð 0 37 0 9 28 PINS 2 16 0000 00000000 2 000 000 O 0 0,0 0000000 0 Ö П 0 0 0 H O O O O O O O O O H 0.0 4 2 6 10 Stages PRINTS MADE BY APPROVALS DIV OR P3K-AL-0567-A01 1977 D.Mone Steam Turbine ISSUED 1977 **s**н но. 2 CONT ON SHEET Schenectady, N.Y. LOCATION

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GENERAL (%) ELECTRIC P3K-AL-0567-A01 TITLE TEST INSTRUCTIONS FOR STAGE PRESSURE FEEDBACK TRANSFER LOGIC P3K-AL-0567-A01 MOTOR SET WITH CV TESTING CIRCUIT BOARD 1L2-B004 CONT ON SHEET 6 FIRST MADE FOR (Ass'y Drawing 137D6775 G1) sh No. 5 **HE**VISIONS * (Comments) A - TP50 = 24 VoltsB - TP51, TP52, TP53 = 24 Volts C - TP54, TP55 = 24 VoltsD - TP56 = 24 Volts 7860, 7863, TP65, TP56 7857 * E - TP61 = 24 Volts ¥ E1- TP57 G - TP1 = 24 VoltsPRINTS T May 4, 1977 DIV OR P3K-AL-0567-A01 Steam Turbine

Schenectady, New York LOCATION CONT ON SHEET 6

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GENERAL & ELECTRIC P3K-AL-0567-A01 CONT ON SHEET TITLE TEST INSTRUCTIONS FOR STAGE PRESSURE FEEDBACK TRANSFER LOGIC P3K-AL-0567-A01 MOTOR SET WITH CV TESTING CIRCUIT BOARD 1L2-B004 FIRST MADE FOR (Ass'y Drawing 137D6775 G1) sh NO. 6 CONT ON SHEET -**REVISIONS** 2. Schnible FEB 20 PREPARED BY: J. Dombrosky EHC DESIGN ENGINEERING APPROVED BY: P.C. Callan - Manager EHC DESIGN ENGINEERING PRINTS T APPROVALS D'Moñe May 4, 1977 DIV OR P3K-AL-0567-A01 Steam Turbine Schenectady, N.Y. LOCATION CONT ON SHEET -

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