

P3K-AL-0127-A01

BY-PASS VALVE FAST OPENING BOARD

CONT ON SHEET 2 SH NO. 1

FIRST MADE FOR 115D2958 G-1 GZ

SCOPE

This instruction provides a method for performing a functional test with necessary adjustments for the subject circuit board prior to installation in the EHC Cabinet.

This instruction covers Group-1, which is a board with six (6) amplifiers. All other groups are identical with the exception.

One or more amplifiers are deleted. The schematic to cover the group number under test must be used, so that the deletions can be determined. G-1 schematic 115D2956.

TEST PROCEDURE

1. Examine the circuit board to see that the electrical components and printed circuit board are not damaged. Provide +30V at pin 17 and -22 at pin 21 and common ground at pin 19.
2. Connect TP1, TP2, TP3, TP7, TP8 and TP9 to ground.
3. With a DVM at TP4 adjust R7 for zero volts.
4. With a DVM at TP5 adjust R8 for zero volts.
5. With a DVM at TP6 adjust R9 for zero volts.
6. With a DVM at TP10 adjust R10 for zero volts.
7. With a DVM at TP12E adjust R11 for zero volts.
8. With a DVM at TP13E adjust R12 for zero volts.
9. With a DVM at TP4, remove all grounds.
Provide +5.00 volts to TP1, TP2, TP3, TP7, TP8, and TP9.
Adjust R1 for -5.00V at TP4.
10. With a DVM at TP5, adjust R2 for -5.00V.
11. With a DVM at TP6, adjust R3 for -5.00V.
12. With a DVM at TP10, adjust R4 for -5.00V.
13. With a DVM at TP12E, adjust R5 for 5.00V.
14. With a DVM at TP13E, adjust R6 for -5.00V.
15. Remove the circuit board from the test fixture and identify it with a suitable mark to indicate that it has been tested and adjusted in accordance with this instructions.

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MADE BY
D. DeNora Apr. 15, 1971

ISSUED APR 15 1971

APPROVALS

Steam Turbine

Schenectady, New York

DIV OR
DEPT.

P3K-AL-0127-A01

CONT ON SHEET

2

SH NO.

PRINTS 1

REV NO. 5	TITLE	CONT ON SHEET --- SH NO. 2
P3K-AL-0127-A01	BY-PASS VALVE FAST OPENING BOARD	
CONT ON SHEET --- SH NO. 2	FIRST MADE FOR 115D2958 G-1	

PREPARED BY

H. Keller

DATE

4/3/71

H. Keller
CONTROL DESIGN ENGINEERING

APPROVED BY

B. Dellorfano

DATE

4-8-71

B. Dellorfano
EHC TEST ENGINEER

APPROVED BY

P.C. Callan

DATE

4-9-71

P.C. Callan - MANAGER
CONTROL DESIGN ENGINEERING

REVISIONS

FL-4
F2-1

ET-273

273-2

273-12

273-13

273-14

273-71

R2A

PRINTS TO

MADE BY D. DeNora Apr. 15, 1971

ISSUED APR 15 1971

APPROVALS

Steam Turbine

DIV OR DEPT.

P3K-AL-0127-A01

Schenectady, N.Y.

LOCATION

CONT ON SHEET ---

SH NO. 2

Data Sheet

Job # _____						Burn-in Start _____		
Serial # _____						Burn-in Stop _____		
Date _____						Technician _____		
Data Sheet for <u>115D2958G0001</u>								
Test Procedure <u>P3K-AL-0127-A01</u>								
Test Procedure Step	Nominal	Lower Limit	Pre-Burn in Results	Post Burn in Results	Upper Limit	Pot Values If applicable		Pass/Fail
						CW	CCW	
3	0V	0V			0V			
3 - R7								
4	0V	0V			0V			
4 - R8								
5	0V	0V			0V			
5 - R9								
6	0V	0V			0V			
6-R10								
7	0V	0V			0V			
7 - R11								
8	0V	0V			0V			
8 - R12								
9	-5.000V	-4.999V			-5.001V			
9 - R1								
10	-5.000V	-4.999V			-5.001V			
10 - R2								
11	-5.000V	-4.999V			-5.001V			
11 - R3								
12	-5.000V	-4.999V			-5.001V			
12 - R4								
13	-5.000V	-4.999V			-5.001V			
13 - R5								
14	-5.000V	-4.999V			-5.001V			
14 - R6								
Comment:			Tolerances tighten x 10 for Brunswick					