P3K-AL-0344-A01

REVISIONS

CONT. ON SHEET 2. SH NO.

#3K-AL-0344-A01

TITLE

TEST INSTRUCTIONS FOR SPEED MATCHER TRANSFORMER

ANT ON SHEET 2 SH NO.

SCOPE I.

FIRST MADE FOR EHC MARK II (SPEED CONTROL UNIT)

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This instruction outlines the specifications for testing the Speed Matcher transformer board 1S1 D002

CIRCUIT BOARD 155C3005

II. CIRCUIT DESCRIPTION

The purpose of the Speed Matcher transformer is to sample the 115 VAC line frequency either 50 or 60 HZ and supply this input signal to the Speed Matcher board. In addition, this step down transformer reduces the voltage to 6.3 V RMS and also provides isolation between the line and the EHC system.

CIRCUIT SPECIFICATIONS III.

TRANSFORMER INPUT @ TB1-1 & TB1-2

115 + 5% VAC, 50/60 HZ

TRANSFORMER OUTPUT @ TB1-3 & TB1-4

6.3 + 5% Vrms @ .3 amp, 50/60 HZ

115

7.76 N.L AC.

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273-2 273-12

273-13

273-71

PRINTS TO APPROVALS DIV OR Steam Turbine lan, 24, 1975

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FF-803-WA (H-70) PRINTED IN P.S.A

MADE BY

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D. Mone

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Schenectady, N.Y. LOCATION CONT ON SPECT

P3K-AL-0344-A01

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TITLE

TEST INSTRUCTIONS FOR SPEED MATCHER TRANSFORMER

P3K-AI-0344-A01

SH NO.

FIRST MADE FOR EHC MKII (Speed Control Unit)

REVISIONS

TEST INSTRUCTIONS

1S1-D002

Assembly 15503005

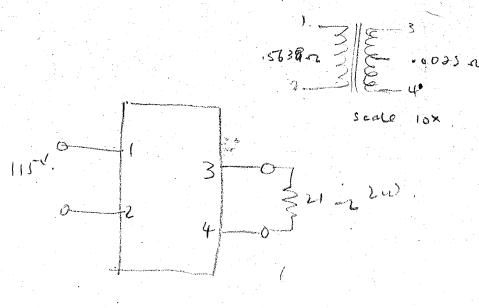
Schematic 243A8456

PROCEDURE:

- Refer to Fig. A for test circuit.
- Refer to Fig. B. for equipment list and setup instructions.

All settings and specifications are + 10MV unless otherwise specified.

- Apply 115.0 VRMS to the circuit input TB1-1 and TB1-2.
- Measure 5.98 to 6.62 VRMS at the circuit output TB1-3 and TB1-4.
- 5. End of Test.



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D. Mone 24, 1975 Jan.

APPROVALS

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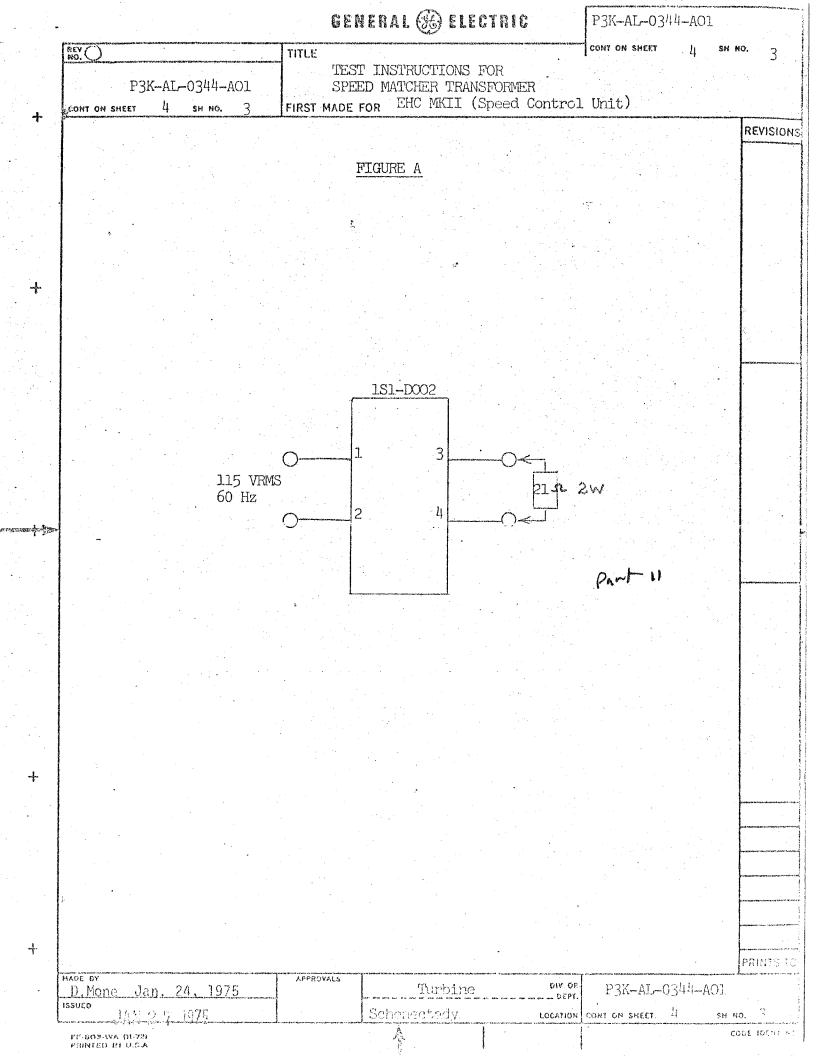
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P3K-AL-0344-A01

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7 TITLE TEST INSTRUCTIONS FOR SPEED MATCHER TRANSFORMER

FIRST MADE FOR EHC MK II (Speed Control Unit)

REVISIONS

FIGURE B

EQUIPMENT, NEEDED

A. DVM AC/DC SD7205A

sи No. 4

B. Variac

CONT ON SHEET

SETUP INSTRUCTIONS

- 1. The load to be applied to the circuit under test is + 1% tolerance.
- 2. Use the variac to adjust the AC input voltage.

APPROVALS

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