REV NO.		TITLE
2 7 7 A 3 8 0 7		Test Specifications
CONT ON SHEET 2 SH NO. 1		FIRST MADE FOR 44C331883

REVISIONS

STANDING INSTRUCTIONS

FOR

STATIC VOLTAGE ADJUST POSITION INDICATOR

PRINTED CIRCUIT BOARD

44C331883

Distribution:

1 QC Engineer
1 Engr.
1 Test Area

3EL1

4QA1

1RA2

4EK1

DL13

PRINTS TO

MADE BY RK Gerlitz 790108	APPROVALS S.R. Puren 1/10/79	Drive Systems	DIV OR DEPT.	2 7 7 A 3 8 0 7
ISSUED 1-12-79		Salem, VA USA	LOCATION	CONT ON SHEET 2. SH NO. 1

FF-803 WF (11-77)
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CODE IDENT NO.

REV NO.	TITLE	
277A3807	Test Specifications	
CONT ON SHEET 3 SH NO. 2	FIRST MADE FOR 440331883	

REVISIONS

I.   Test Equipment Required

   A.   Printed Circuit Board Test Setup - 440931365.

   B.   Adaptor - Amp. Mod. II 30 Pin.

   C.   Cable - Power Supply.

   D.   Patchboard - PB-7.

   E.   Drawings- 440308042   Elementary
                 440331883   Assembly
                 440931365   Elementary of Universal Power Supply

II. Connection

   A.   Connect the Amp. Mod. II adaptor cable to "PL-1" on the Universal
        Tester (UT).

   C.   Insert patchboard PB-7 in carrier of Universal Tester and close.

   D.   Connect DC Voltmeter to "BJ-1" red (+) and black (-).

   E.   Insert 28 volt .04 ma dialco lamps in "L1", "L2", "L3", "L4","L5",
        "L6", "L7", "L8", "L9", "L10", "L11", and "L12".

III. Wire Check

Pin	To	Pin	TP	Resistance
22			Min	0
21			Max	0
7			+24V	0
23			Pos 1	0
24			Pos 2	0
25			Pos 3	0
26			Pos 4	0
9			1TP	NO CONNECTION (ISOLATED)

IV. Setup

   A.   Turn all switches to OFF or Normal on both the UT and UPS.

   B.   Turn all power supplies to zero on the UT and all variacs to zero
        on the UPS.

   C.   Apply power to test stand.

REV 11/166

3EL1
4QA1
~~1DA2~~
4EK1
DL13

PRINTS TO

MADE BY RK Gerlitz 790108	APPROVALS SR Pann 1/10/79	Drive Systems	DIV OR DEPT.	277A3807
ISSUED 1-12-79		Salem, VA USA	LOCATION	CONT ON SHEET 3 SH NO. 2

FF-803 WF (11-77)
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CODE IDENT NO.

GENERAL ⊛ ELECTRIC

277A3807

CONT ON SHEET 4   SH NO. 3

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CONT ON SHEET 4 SH NO. 3	FIRST MADE FOR 44C331883

REVISIONS

D. Install board under test to adaptor.

V. Electrical Test

A. Close "SW-1"
    Depress "LPB-1"
    Adjust PS1 to 24 ± 0.5 VDC at "BJ-1".

    NOTE: Should it become necessary to remove all DC power, open "SW-1".

B. Depress "LPB-2".
    Adjust PS2 to 15 ± 0.05 VDC at "BJ-1".

C. Depress "LPB-3"
    Adjust PS3 to -15 ± 0.02 VDC at "BJ-1".

D. With 1TER jumper connected ter. 1 to ter. 2 adjust 5P full clockwise.
    Adjust 1P, 2P, 3P, and 4P fully CCW.

E. Close "SW-17", "SW-22", "SW-23", "SW-24", "SW-25" and "SW-26".
    "L1", "L2", "L5", "L8", "L10", and "L12" shall be energized.

F. Close "SW-11".
    Depress "LPB-4".
    Slowly increase PS-5 voltage until "L2" deenergizes and "L4" energizes.
    This shall occur at ~~1.85~~ ± ~~0.25~~ VDC at "BJ-1".
                       ① 2.0   0.5

G. Return PS-5 voltage to zero.
    "L2" shall energize and "L4" shall deenergize.
    Open "SW-11".

H. Close "SW-13".
    Depress "LPB-5"
    Slowly increase PS-5 voltage until "L1" deenergizes and "L3" energizes.
    This shall occur at ~~1.85~~ ± ~~0.25~~ VDC at "BJ-1".
                       ① 2.0   0.5

I. Return PS-5 voltage to zero.
    "L1" shall energize and "L3" shall deenergize.
    Open "SW-13".

J. With 1TER jumper on terminals 1 and 2, measure the following voltages.

5P	4TP (+) to 1TP (-)
CCW	0
CW	9.7 ± 0.5
Set	0

    Move 1TER jumper to ter. 2 and 3.

3EL1
4QA1
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PRINTS TO

REV NO.	TITLE		CONT ON SHEET Fnl. SH NO. 4
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CONT ON SHEET Fnl. SH NO. 4	FIRST MADE FOR 44C331883		

REVISIONS

K. Adjust 1P clockwise.
Close "SW-14"
Depress "LPB-10"
Increase PS-4 until "L6" deenergizes and "L5" energizes.
This shall occur at 10.9 ± 0.3 VDC at "BJ-1"

L. Adjust PS-4 to 7.5 ± 0.005 VDC at "BJ-1".
Adjust 1P until "L6" deenergizes and "L5" energizes.
Recheck adjust point by lowering PS-4 to 7 VDC then increasing slowly.
Final setting shall be 7.5 ± 0.01 VDC at "BJ-1". Readjust 1P if
necessary to meet limits.

M. Adjust 2P clockwise.
Increase PS-4 until "L7" deenergizes and "L8" energizes.
This shall occur at 10.9 ± 0.3 VDC at "BJ-1".

N. Adjust PS-4 to 5.0 ± 0.005 VDC at "BJ-1".
Adjust 2P until "L7" deenergizes and "L8" energizes.
Recheck adjust point by lowering PS4 to 4.5 VDC, then increasing
slowly. Final setting shall be 5 ± 5.01 VDC at "BJ-1". Readjust
2P if necessary to meet limits.

O. Adjust 3P clockwise.
Increase PS-4 until "L9" deenergizes and "L10" energizes.
This shall occur at 10.9 ± 0.3 VDC at "BJ-1".

P. Adjust PS-4 to 2.5 ± 0.005 VDC at "BJ-1".
Adjust 3P until "L9" deenergizes and "L10" energizes.
Recheck adjust point by lowering PS-4 to 2 VDC then increasing slowly.
Final setting shall be 2.5 ± 0.01 VDC at "BJ-1". Readjust 3P if
necessary to meet limits.

Q. Adjust 4P clockwise.
Increase PS-4 until "L11" deenergizes and "L12" energizes.
This shall occur at 10.9 ± 0.3 VDC at "BJ-1".

R. Adjust PS-4 to .1 ± 0.005 VDC at "BJ-1".
Adjust 4P until "L11" deenergizes and "L12" energizes.
Recheck adjust point by lowering PS-4 to 0.05 VDC then increasing
slowly. Final setting shall be .1 ± 0.01 VDC at "BJ-1". Readjust
if necessary to meet limits.

S. Open "SW-1", then open or return all remaining switches to zero.
Turn all power supplies to zero.

T. Connect 1TER jumper to terminals 1 and 2.

3EL1
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PRINTS TO

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RK Gerlitz 790108	SR Puar	Drive Systems		2 7 7 A 3 8 0 7	
ISSUED 1-12-79	1/10/79	Salem, VA USA	LOCATION	CONT ON SHEET Fnl. SH NO. 4	