

2 7 7 A 3 8 2 2

CONT ON SHEET 2

SH NO. 1

REV  
NO.

TITLE

2 7 7 A 3 8 2 2

Test Specifications

CONT ON SHEET 2

SH NO. 1

FIRST MADE FOR 44B337335G01

REVISIONS

STANDING INSTRUCTIONS

FOR

44B337335

PRINTED CIRCUIT BOARD

OUTPUT

FOR

VAR-PF CONTROLLER

Distribution Copies:

- 1 QC Test
- 1 QC Engineer
- 1 Engineering

3EL1

4QA1

IRA2

4EK1

DL13

PRINTS TO

MADE BY  
RK Gerlitz 790108

APPROVALS

*FRP*  
11/10/79

Drive Systems

DIV OR  
DEPT.

Salem, VA USA

LOCATION

2 7 7 A 3 8 2 2

ISSUED  
1-12-79

CONT ON SHEET 2

SH NO. 1

CODE IDENT NO.

REV NO.
2 7 7 A 3 8 2 2
CONT ON SHEET 3 SH NO. 2

TITLE
Test Specifications
FIRST MADE FOR 44B337335G01

REVISIONS

I. Test Equipment Required

- A. Printed Circuit Board Test Stand.
- B. Adaptor - Amp. Mod. # 30 pin.
- C. Power Supply Cable.
- D. Patchboard #3 PB3.
- E. Drawings
 

44C307608	Elementary
44C331868	Assembly
44C931365	Test Stand

II. Connections

- A. Connect the Amp. Mod. II adaptor cable to "PL1" on the Universal Tester. (UT)
- B. Connect the power supply cable to "PL-3" on the U.T. and to power supplies per marking.
- C. Insert patchboard PB3 into carrier and close.
- D. Connect a DC digital voltmeter to "BJ-I". Red (+) and black (-).

III. Wire Check

- A. Check 8D and 9D for backward and forward resistance.
 

Forward	15 to 75 Ohms	Diode Check pins 27-25 + pins 23-29
Backward	Infinity	
- B. Adjust 7P completely *CCW*

IV. Setup

- A. Turn all switches to OFF or NORMAL on both the U.T. and Universal Power Supply (U.P.S.).
- B. Turn all power supplies to zero on the U.T. and all variacs to zero on the U.P.S.
- C. Apply main power to Test Stand.
- D. Install board under test into adaptor. *L2 pins 27-25*
- E. Install Dialco 28 volt lamps in "L1" and "L2" on the U.T. *23-29*

W.L.L. 3-1-79

3EL1  
4QA1  
1RA2  
4EK1  
DL13

PRINTS TO

MADE BY RK Gerlitz 790108	APPROVALS <i>J.R. Pinner</i> 11/10/79	Drive Systems Salem, VA USA	DIV OR DEPT. LOCATION	2 7 7 A 3 8 2 2
ISSUED 1-12-79				CONT ON SHEET 3 SH NO. 2

REV NO.	TITLE		CONT ON SHEET 4	SN NO. 3
2 7 7 A 3 8 2 2	Test Specifications			
CONT ON SHEET 4	SN NO. 3	FIRST MADE FOR 44B337335G01		

  

V. Electrical Test		REVISIONS
<p>A. Close "SW-1". Place "SW-20" down. Place "SW-21" down. Depress "LPB-10". Adjust PS-1 to <math>24 \pm 1</math> VDC at "BJ-1".</p> <p>B. Depress "LPB-2". Close "SW-2". Increase PS-2 to <math>15 \pm 0.1</math> VDC at "BJ-1".</p> <p>C. Depress "LPB-3". Increase PS-3 to <math>15 \pm 0.1</math> VDC at "BJ-1".</p> <p>D. Close "SW-33". Place "SW-28" down. Depress "LPB-6". ① Increase PS-4 to <math>10 \pm 0.05</math> VDC at "BJ-1". 1 LED energizes. After a time delay L2 energizes</p>	<p>← 24V not used on this card</p> <p>Apply +/- 15V to card +15 to pin 1 -15 to pin 5 com to pin 3</p> <p>Apply +10VDC to pin 2</p>	
<p>E. Place "SW-33" down. 2 LED energizes. "BJ-1" = <math>10 \pm 0.05</math> VDC. Return PS -4 to zero.</p> <p>F. Connect an oscilloscope across 9C on the PC Board. Increase PS-4 voltage slowly and note the voltage (BJ-1) where 9C voltage suddenly goes to <math>14.5 \pm 5</math> VDC. This shall be <math>10 \pm 0.3</math> VDC.</p> <p>G. Adjust PS-4 for <math>11.5 \pm 0.1</math> VDC at "BJ-1". Open "SW-33". Adjust 7P CW. Close "SW-33". The time from closure of "SW-33" until L2 energizes shall be <math>1.1 \pm 0.2</math> seconds.</p>	<p>ps4</p> <p>① Reverse polarity to pin 2</p> <p>Apply voltage to pin 2</p>	<p>3EL1</p> <p>4QA1</p> <p>1RA2</p> <p>4EK1</p> <p>DL13</p>

  

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ISSUED 1-12-79			LOCATION	CONT ON SHEET 4 SN NO. 3

REV NO.	
2 7 7 A 3 8 2 2	
CONT ON SHEET	Fnl. SH NO. 4

TITLE	Test Specifications
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REVISIONS

NOTE: A universal counter may be used to check time.

Start Signal BJ-1 + Slope ① 5 ~~10~~ VDC

Stop Signal ~~BJ-1~~ - Slope ① 5 ~~22~~ VDC

① "BJ-3", "RS2-4".

H. Open "SW-33".

Adjust 7P ~~SW~~ *CW* Reverse ①

Close "SW-33".

Time from closure of "SW-33" until ~~"L2"~~ energizes shall be ~~26 ± 4~~ <sup>1</sup> seconds.

I. Adjust 7P for a time of 20 ± 0.5 seconds.

J. Place "~~SW-33~~" down and repeat steps G - H - I except do not readjust 7P. Set start signal to - slope, -5 VDC ①

NOTE: 2 LED will energize in place of 1 LED and ~~L2~~ will energize in place of "L2".

①

DL13 3-1-79

3EL1

4QA1

1RA2

4EK1

DL13

PRINTS TO

MADE BY RK Gerlite 790108	APPROVALS <i>J.R. Person</i>	Drive Systems	DIV OR DEPT.	2 7 7 A 3 8 2 2
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