

ENGINEERING MANUFACTURING INSTRUCTIONS — No. 5764



SUBJECT

DRIVE SYSTEMS CARD TEST

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 PART—1 & 3
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1. PURPOSE

To test the FAULT ANNUNCIATION AND OUTPUT card 621L355G1.

2. ELEMENTARY

Drive Systems data book 1190 Sect. 355 Dwg. 0216B9774AE.

3. EQUIPMENT

- a) 115 V AC single phase power supply
- b) P28 V DC power supply
- c) P15 V DC power supply
- d) DVM
- e) ohmmeter
- f) variac

4. SET UP

- a) Connect 115 V AC through a variac to 3TB2 and 3TB4.
- b) Connect P28 V to 2TB3, P15 V to 2TB1 and COM to 2TB4. 2TB2

5. TEST

- a) Power up the 115V supply and adjust the variac for 100V RMS at 3TB2 and 3TB4, remove AC power.
- b) Power up the P15 V supply, push PB1, and note LED 1 to 9 are off and LED 10 is on.
- c) Power up the P28 V supply and check the resistance between:
 - 1) 2TB5 to 2TB6 = less than 0.5 ohms
 - 2) 2TB7 to 2TB8 = less than 0.5 ohms
 - 3) 2TB9 to 2TB10 = less than 0.5 ohms
- d) Momentarily jumper the following pins on J1 together and note the LEDs latch on (LED 10 turns off)
 - 1) 3 & 4 LED1 & LED9
 - 2) 5 & 6 LED2 & LED9
 - 3) 7 & 8 LED3 & LED9
 - 4) 9 & 10 LED4 & LED9
 - 5) 11 & 12 LED5 & LED9
 - 6) 13 & 14 LED6 & LED9
- e) Check the resistance between 2TB9 and 2TB10 is infinite.
- f) Briefly apply AC power and LEDs 1 to 9 turn off, LED 10 turns on.

ROUTE

Z
Revision
Addition

Prepared By	Section and Unit	Type Names	Signatures
D Cleveland	IC 910	Prod. Engineering DC Bowes	<i>[Signature]</i>
Date Issued	Supersedes Issue Dated	Manuf. Eng. PJ Hoes	<i>[Signature]</i>
May 2, 1983	NEW	Quality Control H. Marksfield	<i>[Signature]</i>
SIGNATURES REQUIRED AS SHOWN →		Eng'g. Lab.	

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5. TEST Cont'd...

- g) Connect the ohmmeter between 2TB7 and 2TB8 and note reading is less than 0.5 ohms.
- h) At each step in the table below momentarily jumper the pins on J1 together and note the status of the LEDs and ohmmeter. Check additional inputs are locked out then push PB1 to reset.

INPUT	LED ON	LED OFF	OHMMETER
15 & 16	8	10	infinity
17 & 18	8	10	infinity
19 & 20	8	10	infinity
21 & 22	8	10	infinity
23 & 24	8	10	infinity
25 & 26	8	10	infinity

- i) Remove the ohmmeter from 2TB7 and 2TB8 and connect it to 2TB5 and 2TB6.
- j) Check the ohmmeter reads less than 0.5 ohms.
- k) At each step in the table below momentarily jumper the terminals of 1TB together and note the status of the LEDs and ohmmeter. Check additional inputs are locked out then push PB1 to reset.

INPUT	LED ON	LED OFF	OHMMETER
1 & 2	1 & 7	10	infinity
4 & 5	2 & 7	10	infinity
7 & 8	3 & 7	10	infinity
10 & 11	4 & 7	10	infinity
13 & 14	5 & 7	10	infinity
16 & 17	6 & 7	10	infinity

ROUTE

Prepared By D Cleveland	Section and Unit IC 910	Type Names Prod. Engineering DC. BOWES.....	
Date Issued May 2, 1983	Supersedes Issue Dated NEW	Manuf. Eng..... P.J. HOES.....	
SIGNATURES REQUIRED AS SHOWN →		Quality Control H. MARKSFIELD..	
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