


REV NO. <div style="text-align: center;">2 7 7 A 3 6 3 4</div> CONT ON SHEET 2 SH NO. 1	TITLE TEST SPECIFICATION FOR ISOLATED INPUTS 125 VDC WITH INDICATING LIGHTS FIRST MADE FOR SPEEDTRONIC IC3606S11E9	CONT ON SHEET 2 SH NO. 1
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<p>ELEMENTARY DIAGRAM IC3606S11E9 - SHEET 3.0</p> <p><u>TEST EQUIPMENT</u></p> <ol style="list-style-type: none"> 1. 12 VOLT DC \pm .1V POWER SUPPLY .500 AMP RATING 2. 75-150V DC ADJUSTABLE POWER SUPPLY .100 AMP RATING 3. MODIFIED SCREW TYPE TERMINAL BOARD, CONNECTOR 245A3782 (MALE) WITH ALL TERMINALS JUMPERED TOGETHER. 4. MODIFIED DIRECTOMATIC RECEPTACLE WHERE ALL PIN ARE SHORT CIRCUITED TO ONE ANOTHER. 5. ELECTRONIC MEGOHMETER - SIMILAR TO GENERAL RADIO CO - TYPE 544 - B MEGOHM BRIDGE - 500V DC OUTPUT <p><u>TEST STEPS</u></p> <ol style="list-style-type: none"> 1. (test step #1 deleted) 	REVISIONS 1) CGL 780809 BU968BE
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REV NO.

TITLE

2 7 7 A 3 6 3 4

CONT ON SHEET 3 SH NO. 2

TEST SPECIFICATION FOR ISOLATED
INPUTS 125 VDC WITH
INDICATING LIGHTS

FIRST MADE FOR SPEEDTRONIC IC3606S11E9

REVISIONS

2. DC OPERATION

WIRE CARD PER FIGURE 1

APPLY 90V DC TO EACH OF THE NINE (9) CIRCUIT INPUTS AND OBSERVE.
SW2 & SW3 down.

CIRCUIT NUMBER	INPUT +DC	TERMINALS DC	INDICATING LIGHTS	OUTPUT PIN NUMBER
1	1	10	1L1	5
2	2	10	1L2	10
3	3	10	1L3	15
4	4	10	1L4	20
5	5	10	1L5	25
6	6	10	1L6	35
7	7	10	1L7	40
8	8	10	1L8	45
9	9	10	1L9	50

A. WITH SWITCH #1 OPEN THE INDICATING LIGHT SHOULD BE DARK AND THE OUTPUT VOLTAGE 0 TO .1V.

B. WITH SWITCH #1 CLOSED THE INDICATING LIGHT SHOULD BE ON AND THE output between 9.0 and 10.5 Volts. Observe with an oscilloscope that the output is pure DC with no ripple.
*See Note.

C. WITH SWITCH #1 CLOSED DEPRESS PUSH BUTTON #1 AND OBSERVE. VOLTMETER #1 READS .4-.7 VOLTS (THIS TESTS THE INPUT RESISTANCE)

3. OBSERVE THAT LAMP HOLDER DIRECTIONAL ARROWS SHOULD ALL POINT IN THE SAME DIRECTION. IF THEY DON'T INVERT THE LAMP HOLDER.

* THE VOLTAGE FROM THE DC POWER SUPPLY SHOULD BE VARIED AROUND 83V DC TO CHECK WHERE THE CIRCUIT TRIPS. MUST BE IN THE RANGE OF 76 - 90 VOLTS. SET SUPPLY TO 90 VOLTS AT END OF THRESHOLD CHECK.

1) CGL 780809 BU968BE
2) CGL 790807 BU945YU
3) JMT 24Jun86

DL22

2520

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CONT ON SHEET 3

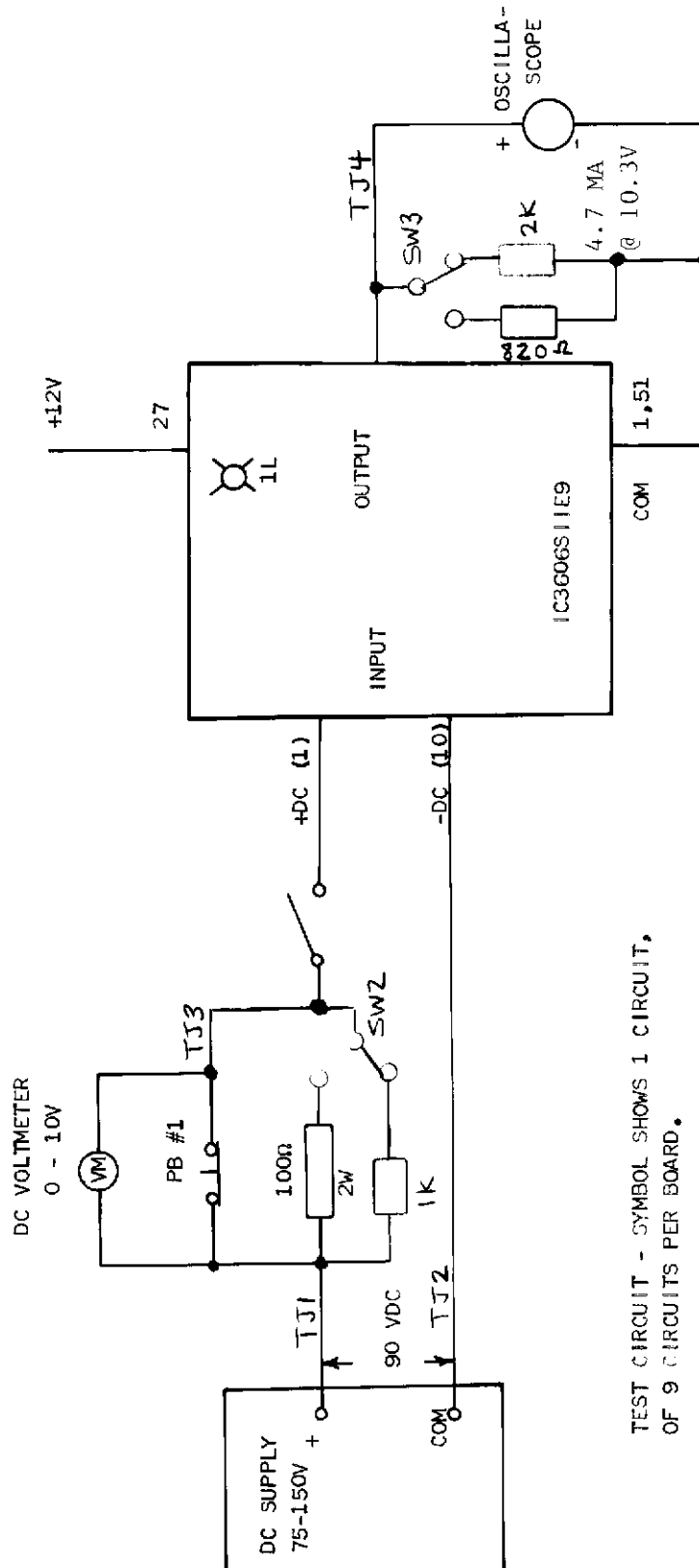
SH NO. 2

REV NO.
2 7 7 A 3 6 3 4
CONT ON SHEET 4 SH NO. 3

TITLE
TEST SPECIFICATION FOR ISOLATED
INPUTS 125 VDC WITH
INDICATING LIGHTS
FIRST MADE FOR SPEEDTRONICS - IC3606S11E9

REVISIONS

1) CGL 780809 BU968BE
2) 24 Jun 86 Jant



TEST CIRCUIT - SYMBOL SHOWS 1 CIRCUIT,
OF 9 CIRCUITS PER BOARD.

FIGURE 1

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DRIVE SYSTEMS

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CONT ON SHEET 4 SH NO. 3

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