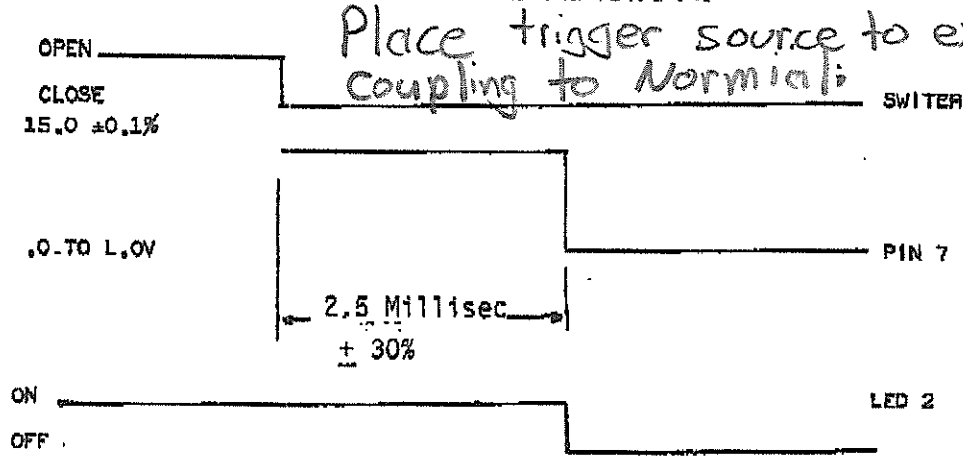
GENERAL ELECTRIC

REV NO.	TITLE	
68A944569	TEST SPECIFICATIONS LOCK-OUT CARD	68A944569
CONT ON SHEET 2 SH NO. 1	FIRST MADE FOR IC3600TLOA1	CONT ON SHEET 2 SH NO. 1

1. EQUIPMENT REQUIRED FOR TEST
   - A. ±15VDC POWER SUPPLY ±100MA CAPABILITY.
     0.1% ACCURACY
   - B. 2 - 20VDC VOLTMETERS (SIMPSON OR EQUIVALENT)
   - C. OSCILLOSCOPE
   - D. 1 - SPST MERCURY SWITCH
   - E. 1 - 2K 1 WATT POTENTIOMETER
   - F. 2-15K 1/2W 5% RES
2. TEST PROCEDURE
   - A. MAKE THE FOLLOWING CONNECTION PRIOR TO TURN ON OF THE POWER SUPPLIES.
     1. POWER SUPPLY - +15 TO PIN 3
        COM TO PINS 1, 25, 51
        -15 TO PIN 49
     2. POTENTIOMETER FIXED TERMINALS PIN 25, 49
        SLIDER PIN 40
     3. VOLTMETER #1 POSITIVE PIN 47
        NEGATIVE PIN 51
     4. VOLTMETER #2 POSITIVE PIN 1
        NEGATIVE PIN 40
     5. CONNECT 15K FROM
        PIN 7 TO 3
        PIN 2 TO 3
   - B. TURN ON THE ±15VDC AND VARIABLE DC POWER SUPPLIES. ADJUST THE POTENTIOMETER SO THAT VOLTMETER #2 READS 0.0 VOLTS.
   - C. READ 15.0V ± 0.1 % ON VOLTMETER #1.
   - D. ADJUST THE POTENTIOMETER TO THE POINT WHERE VOLTMETER #1 SWITCHES FROM 15.0V ± 0.1% TO 0.0V ± 0.25V. VOLTMETER #2 SHOULD INDICATE 2.0 ± 0.02V AT THE TRANSITION POINT.
   - E. TURN OFF THE POWER SUPPLIES AND MAKE THE FOLLOWING CONNECTIONS.
     1. SCOPE PROBE PIN 7
     2. SCOPE TRIGGER PIN 13
     3. SWITCH BETWEEN PIN 13 AND PIN 25
   - F. OPEN THE SWITCH AND TURN ON THE POWER SUPPLIES. LED 2 SHOULD BE IN AN ON STATE. *
   - G. CLOSE THE SWITCH AND VERIFY THE FOLLOWING SEQUENCE.

Place trigger source to ext. and coupling to Normal.



* SEE TECH NOTES

REVISIONS
1. RETYPED AND TRACED 7/31/72 MAL
2. 6/12/73 RBA
3. TYPING 8/5/74 CLG
4. JVG 2/18/78
DL32
2520
PRINTS TO

MADE BY	APPROVALS			
R. ANDERSON	MSH 8/8/23	DRIVE SYSTEMS	DIV OR DEPT.	68A944569
ISSUED		SALEM, VA	LOCATION	CONT ON SHEET 2 SH NO. 1

CODE IDENT N

REV NO.

68A944569
CONT ON SHEET 3 SH NO. 2

TITLE
TEST SPECIFICATIONS
LOCK - OUT CARD.
FIRST MADE FOR IC3600TLOA1

REVISIONS
3. TYPING 8/5/74 CLG
2. 6/12/73 RBA
1. RETYPED AND TRACED 7/31/72 MAC
4. JVG 4/18/78

H. PERFORM THE FOLLOWING SEQUENCE AND VERIFY THE RESULTS *

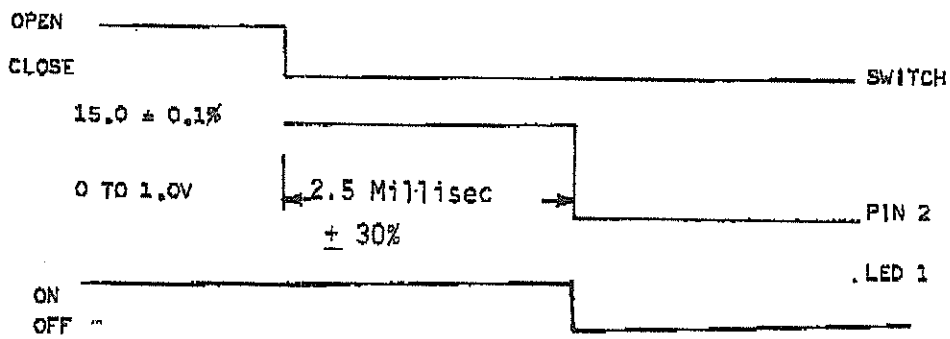
1.	CONNECT PIN 6 TO PIN 25	LED 2 STAYS OFF
2.	OPEN SWITCH	LED 2 STAYS OFF
3.	OPEN PIN 6 TO PIN 25	LED 2 TURNS ON
4.	CONNECT PIN 6 TO PIN 25	LED 2 STAYS ON
5.	CLOSE SWITCH	LED 2 TURNS OFF

I. TURN OFF THE POWER SUPPLIES AND MAKE THE FOLLOWING CONNECTIONS.

1.	SCOPE PROBE	PIN 2
2.	SCOPE TRIGGER	PIN 21
3.	SWITCH	PIN 21 AND PIN 25

J. OPEN THE SWITCH AND TURN ON THE POWER SUPPLIES. LED 1 SHOULD BE IN AN ON STATE. *

K. CLOSE THE SWITCH AND VERIFY THE FOLLOWING SEQUENCE.



L. PERFORM THE FOLLOWING SEQUENCE AND VERIFY THE RESULTS. *

1.	CONNECT PIN 41 TO PIN 25	LED1 STAYS OFF
2.	OPEN SWITCH	LED1 STAYS OFF
3.	OPEN PIN 41 TO PIN 25	LED1 STAYS ON
4.	CONNECT PIN 41 TO PIN 25	LED1 STAYS ON
5.	CLOSE SWITCH	LED1 TURNS OFF

M. TURN OFF THE POWER SUPPLIES AND REMOVE ALL JUMPERS AND SWITCHES AND MAKE THE FOLLOWING CONNECTIONS.

1.	VOLTMETER #1	POSITIVE	PIN 33
		NEGATIVE	PIN 25
2.	VOLTMETER #2	POSITIVE	PIN 39
		NEGATIVE	PIN 25

N. TURN ON THE ±15V POWER SUPPLY AND VERIFY THE FOLLOWING.

OPERATION	VOLTMETER #1	VOLTMETER #2
INITIALLY	0 TO 1.0	0. TO 1.0

* SEE TECH NOTES

GENERAL ELECTRIC

REV NO.

68A944569

CONT ON SHEET FL. SH NO. 3

TITLE

TEST SPECIFICATIONS
LOCK-OUT CARD

FIRST MADE FOR IC3600TLOA1

REVISIONS

OPERATION	VOLTMETER #1	VOLTMETER #2
CONNECT P37 TO P25	15.0 ± 0.1%	0 TO 1.0
REMOVE P37 TO P25	0 TO 1.0	0 TO 1.0
CONNECT P38 TO P25	15.0 ± 0.1%	0 TO 1.0
REMOVE P38 TO P25	0 TO 1.0	0 TO 1.0
CONNECT P35 TO P25	0 TO 1.0	15.0 ± 0.1%
REMOVE P35 TO P25	0 TO 1.0	0 TO 1.0
CONNECT P36 TO P25	0 TO 1.0	15.0 ± 0.1%
REMOVE P36 TO P25	0 TO 1.0	0 TO 1.0

1 Rlsd 2-31-72 MMC

DL32
252C

PRINTS T

MADE BY J. CHRISTIAN

ISSUED July 31, 1972

APPROVALS MH/MMC

INDUSTRY CONTROL DIV OR DEPT.

SALEM, VIRGINIA LOCATION

68A944569

CONT ON SHEET FL. SH NO. 3

CODE IDENT

Re-

FF-803 WF (1-72)
PRINTED IN U.S.A.

TECH NOTES

HAD IC3600 TLOAIB CARD WHERE LED 2 CATHODE WENT TO PIN(7) INSTEAD OF PIN(8) AS SHOWN IN THE ELEMENTARY (DIAGRAM). ALSO CATHODE OF LED1 WENT TO PIN(2) INSTEAD OF PIN(27). SINCE THE LEDS ARE HOOKED ON THE INPUT SIDE OF THE RESPECTIVE INVERTER SECTIONS OF IC4 INSTEAD OF THE OUTPUT, THEY LIGHT JUST THE OPPOSITE OF WHAT THE TEST INSTRUCTIONS CALL FOR (STEPS F + H AND J + L). ALL OTHER PARTS OF TEST WERE UNCHANGED.

DAL 9.7.99

THE FOILS ARE NOT MODIFIED; THEY WERE MADE THIS WAY.

TECHNICIAN: _____ **DATE:** _____