


# GENERAL ELECTRIC

2 7 8 A 3 0 7 1

REV NO.	TITLE  TEST INSTRUCTIONS		CONT ON SHEET    2    SH NO.    1
CONT ON SHEET    SH NO.	FIRST MADE FOR    1572K17G700		REVISIONS
<p>STANDING INSTRUCTIONS</p> <p>FOR</p> <p>PRINTED CIRCUIT BOARD</p> <p>1572K17G700</p> <p>ECCENTRICITY PEAK-TO-PEAK/ SPEED VALVE AND ECCENTRICITY AMPLIFIER</p> <p>FOR</p> <p>T.S.I.</p>			DL13 3EL1 1RA2 4QA3 4EK1 PRINTS TO
MADE BY    W. Lunsford790813 ISSUED    8/13/79		APPROVALS 	DRIVE SYSTEMS SALEM, VA
		DIV OR DEPT. LOCATION	2 7 8 A 3 0 7 1 CONT ON SHEET    2    SH NO.    1 CODE IDENT NO.

PARS

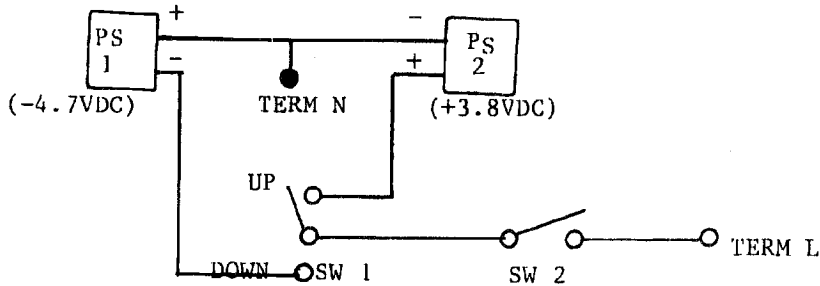
# GENERAL ELECTRIC

278A3071

REV NO.	TITLE		CONT ON SHEET	SH NO.
278A3071	TEST INSTRUCTION		3	2
CONT ON SHEET	SH NO.	FIRST MADE FOR		
3	2	1572K17G700G701		

NOTE: TEST FOR G700 AND G701 IS IDENTICAL.  
INPUT CARD IN SYSTEM USE IS DIFFERENT.

- TEST EQUIPMENT:  
± 15VDC SUPPLY  
TWO VARIABLE DC SUPPLIES (0-5VDC)
- TEST CONNECTIONS.  
CONNECT +15VDC TO TERM B  
-15VDC TO TERM U  
15 COM TO TERM N  
CONNECT VARIABLE DC SUPPLIES AS SHOWN.



SET PS1 FOR -4.7VDC ± .010 WITH RESPECT TO TERM N  
SET PS2 FOR +3.8VDC ± .010 WITH RESPECT TO TERM N

LEAVE SW2 OPEN

SET R1802, R1821, R1825 CCW  
VERIFY CORRECT POLARITY OF CR1811

REVISIONS

1/ Buqurp CB 12/5/83

DL13

3EL1

1RA2

4QA3

4EK1

PRINTS TO

MADE BY	APPROVALS	DRIVES SYSTEMS	DIV OR DEPT.	278A3071
E.A. POST	REC'd	SALEM, VIRGINIA	LOCATION	CONT ON SHEET 3
ISSUED	12-5-83	12/5/83		SH NO. 2

# GENERAL ELECTRIC

278A3071

CONT ON SHEET 4

SH NO. 3

REV NO.

TITLE

TEST INSTRUCTION

278A3071

CONT ON SHEET 4

SH NO. 3

FIRST MADE FOR 1572K17G700G701

REVISIONS

## 3. ELECTRICAL TEST

- A. APPLY  $\pm 15\text{VDC}$ .
- B. CLOSE SW2 AND PLACE SW1 DOWN. VERIFY THAT VOLTAGE AT TERM L WITH RESPECT TO TERM N IS  $-4.7 \pm 0.01 \text{ VDC}$ . OPEN SW2 OFF.
- C. ( NOTE: INTEGRATOR CAUSES VERY SLOW VOLTAGE SHIFTS AT PIN E SO ALLOW TIME TO STABILIZE) MAY TAKE 10 MIN. TO ADJUST R1802
 

	PIN E OUTPUT
CCW	$1.25 \pm .2\text{VDC}$
CW	$3.80 \pm .2\text{VDC}$
SET	$2.0 \pm .010 \text{ VDC}$

( NOTE INITIAL SET POINT CAN BE MADE BY SETTING THE VOLTAGE AT ANODE OF CR1801 to  $3.5\text{VDC}$  WITH RESPECT TO COMMON. THEN READJUST R1802 SLOWLY TO MEET  $.005\text{VDC}$  TOLERANCE)

### VERIFY CHART

E+, N-	R+, P-	M+, P-	T+, V-
$2.0 \pm .010\text{VDC}$	$8.0 \pm .4\text{MVDC}$	$.2 \pm .02\text{MADC}$	$1.0 \pm .01\text{MADC}$

- D. CLOSE SW 2 PUT SW 1 UP. VERIFY THAT VOLTAGE AT TERM 2 WITH RESPECT TO TERM. N IS  $+3.8 \pm .01\text{VDC}$ . ALTERNATLY FLIP SW 1 UP AND DOWN APPROX. EVERY 5 SEC. THE VOLUME AT E SHOULD LEVEL OFF AT  $10.2 \pm .2\text{VDC}$ .

### VERIFY CHART

E +, N-	R +, P -	M+, P-	T+, V-
$10.0 \pm .1\text{VDC}$	$40 \pm .4\text{MVDC}$	$1, 0 \pm .02\text{MADC}$	$5.0 \pm .06\text{MADC}$

DL13

3EL1

1RA2

4QA3

4EK1

PRINTS TO

MADE BY E.A. POST

APPROVALS

DRIVES SYSTEM

DIV OR DEPT.

278A3071

ISSUED 12-5-83

12/5/83

SALEM, VIRGINIA

LOCATION

CONT ON SHEET 4

SH NO. 3

CODE IDENT NO

# GENERAL ELECTRIC

278A3071

REV NO.	TITLE	CONT ON SHEET	FL. SH NO. 4
278A3071	TEST INSTRUCTION		
CONT ON SHEET	FIRST MADE FOR	1572K17G700G701	

E. OPEN SW2 AND ALLOW TERM E TO GO TO 2.0VDC  
 CONNECT TERM S TO TERM N.  
 CLOSE SW2 AND TOGGLE SW1 UP AND DOWN APPROXIMATELY EVERY 5 SEC.  
 VOLTAGE AT TERM E TO TERM N SHOULD NOT INCREASE MORE THAN .5VDC  
 ABOVE 2.0 VDC.  
 REMOVE JUMPER TO TERMS.

F. PUT SW. 1 UP ( CONNECT 3.8 VDC TO TERM L )  
 SET R1822 FOR  $2.0 \pm .005$  VDC AT ORANGE  
 TEST JACK WITH BLACK JACK COMMON.

G. PUT SW1 DOWN.  
 SET R1825 FOR  $10.0 \pm .005$ VDC AT ORANGE JACK.  
 (COM. TO BLACK JACK)  
 REPEAT STEPS F AND G UNTIL LIMITS ARE MET FOR BOTH POSITIONS OF  
 SW 1.

H. PUT SW. 1 UP. ORANGE JACK SHOULD BE AT 2.0 VDC AND SHOULD NOT CHANGE  
 FOR ANY OF THE FOLLOWING CONNECTIONS.  
 1. TERM S TIED TO COM. ( PIN N )  
 2. TERM K TIED TO COM.  
 3. TERM S AND K TIED TO COM.

J. REMOVE JUMPER FROM S AND K AND CHECK FOLLOWING POINTS FOR CONTINUITY.  
 TERM C TO H SHORTED  
 TERM A TO H OPEN  
 TERM F TO H OPEN

K. CONNECT TERM K TO COMMON  
 TERM C TO H OPEN  
 TERM A TO H SHORTED  
 TERM F TO H ~~SHORTED~~ OPEN

L. CONNECTED TERM S AND TERM K TO COMMON  
 TERM C TO H OPEN  
 TERM A TO H SHORTED  
 TERM F TO H SHORTED

PUT RTV ON ALL POTS.

REMOVE ALL POWER

REVISIONS

2184941RP C28612/5113

DL13

3EL1

1RA2

4QA3

4EK1

PRINTS TO

MADE BY	APPROVALS	DRIVES SYSTEMS	DIV OR DEPT.	278A3071
E.A.POST	REY	SALEM, VIRGINIA	LOCATION	CONT ON SHEET
ISSUED	12-5-83	12/5/83		FL. SH NO. 4