GENERAL ELECTRIC

68A9442311

68A9442311	TITLE: TEST SPECIFICATIONS P28 REGULATOR	
	FIRST MADE FOR IC3600EPSY1	

REVISIONS

ELEMENTARY IC3600EPSY SH. 3.0

TEST EQUIPMENT

50V ± .1V POWER SUPPLY, 60MA, 11 ± .1V power supply, .1A.
SCOPE
VOLT OHMMETER
MISC. RESISTORS SW PER FIG. 1
WAVETEK
PRECISION VOLTMETER TO PERIODICALLY CHECK VOLTAGES IN FIGURE 1.

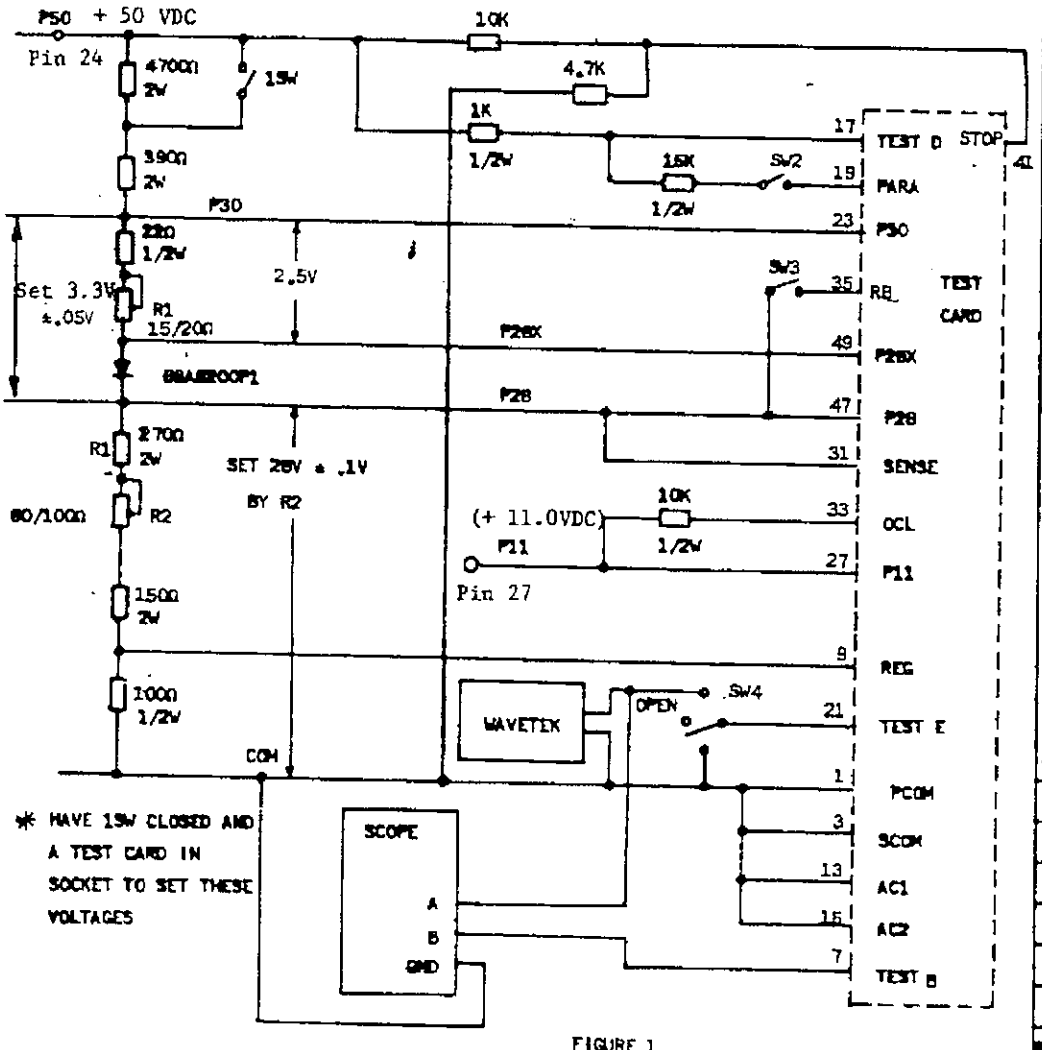

FIGURE 1

1) JMR 9124/88 B4491F8
2) JMT 18APR86

DL12
DL22
2520

PRINTS TO

MADE BY: H A CONNER	APPROVALS	INDUSTRY CONTROL	68A9442311
ISSUED: April 16, 1971		SALEM, VIRGINIA	CODE IDENT NO.

TITLE
TEST INSTRUCTIONS
P28 REGULATOR
FIRST MADE FOR IC3600EPSY1

REVISIONS

1. CURRENT LIMIT CURRENT SOURCE (Q7)
   A. 1SW CLOSED, OTHERS OPEN. VM ON TEST F, (25), (+) AND COM (-).
      VM TO READ .8V ± .1V
   B. OPEN SW1.
      VM TO READ .03 TO .08 LOWER THAN IN A

2. CURRENT LIMIT AND OCL
   A. SET VM ON 12V SCALE AND MOVE POSITIVE LEAD TO OCL, (33).
   B. CLOSE SW1 AND NOTE VM READING.
      IF NEAR ZERO TURN R52 (ON SIDE OF CARD) CW; IF NEAR 11 VOLTS, TURN CCW.
      FIND THE POINT WHERE LESS THAN TWO TURNS OF POT WILL SWING THE VM FROM
      UNDER .4V TO OVER 10V.
   C. SET VM TO READ LESS THAN .4V. MONITOR(41) STOP-SHOULD READ 16V ± 2V SET VM
      TO READ 10V. STOP(41) SHOULD READ LESS THAN .4V.
   D. SET POT SO VM READS APPROX. 2 VOLTS.

3. PARALLEL AND REGULATE
   A. SCOPE ON CHANNEL B ONLY. GAIN 2V/DIV DC; 10MS/DIV, FREE RUNNING
   B. SW1 STILL CLOSED; OTHER SWITCHES OPEN
   C. IF SCOPE TRACE AT 4V TURN R50 CW; IF AT 9 VOLTS TURN R50 CCW. FIND
      THE POINT ON R50 WHERE CHANGE OF ONE TURN SWINGS SCOPE FROM 4.5 ± .2V
      TO .9V ± .3V.
   D. SET R50 SO SCOPE BARELY 4.5V.
   E. CLOSE SW2. COUNT TURNS AS R50 IS TURNED CCW UNTIL SCOPE
      RETURNS TO 4.5V. MUST BE 1 1/2 TO 3 TURNS.
   F. OPEN SW2 AND TURN R50 CW SO SCOPE IS 9V.
   G. CLOSE SW4 TO COM. SIMILARLY TURN R50 CW 1 1/2 TO 3 TURNS TO RETURN
      SCOPE TO 9V.

   H. CLOSE SW4 TO WAVETEK
      SCOPE IN CHOPPED MODE CHAN A 2V/DIV SYNCH D.C. COUPLED SCOPE ON CHAN A.
      SET WAVETEK FOR 4 VOLTS P.TO P, 5 HZ CHECK WAVE SHAPE PER FIG. 2
      ADJUST R50 TO OBTAIN WAVE SHAPE (CCW). RISE AND FALL rate (X) NEARLY
      EQUAL.

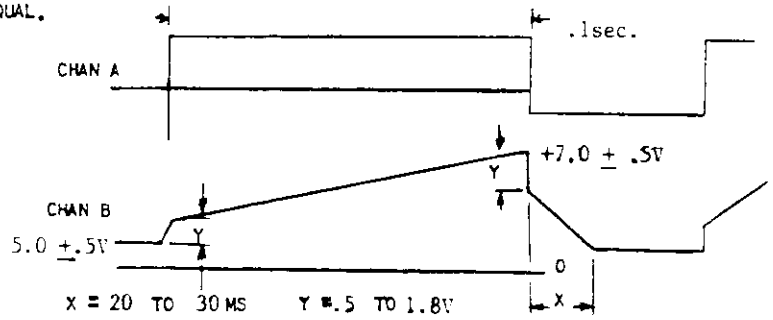

FIGURE 2

   J. OPEN SW4 RESET R50 SO SCOPE IS 5.to 6 volts CCW.

3 JJW CHGD F. & H. 5 HZ.
DMLR 9/24/80 BU 941FB
2 JMT 26AUG86
2520
~~DL18~~
DL22
PRINTS TO

MADE BY M. A. CONNER
ISSUED April 16 1971
APPROVALS
INDUSTRY CONTROL DIV OR DEPT
SALEM, VIRGINIA LOCATION
68A944231
CONT ON SHEET 3 SH NO 2
CODE IDENT NO

GENERAL ELECTRIC

68A944231

CONT ON SHEET FL SH NO. 3

NO. A

68A944231

CONT ON SHEET FL SH NO. 3

TITLE TEST INSTRUCTIONS
P28 REGULATOR

FIRST MADE FOR IC3600EPSY1

4. TEST JACKS ON CARD FRONT
CHECK TEST JACKS WITH VOLTOHMMETER
VOLTS TO READ 28V ± .5V
CURRENT TO READ 2.3V± .2V WITH POLARITY AS MARKED

5. DIODE TEST WITH OHMMETER (NO POWER ON CARD)

POS.	NEG.
AC1, 13	TEST D, 17
AC2, 15	TEST D, 17

OHMMETER ON X1 TO ~~READ 10 TO 20 OHMS~~ VERIFY FORWARD RESISTANCE OF CR8 & CR9

RGV, 10/4/89

6. RING BUS

A. CONNECT SW3 BETWEEN PIN 47 AND RB(35).
B. MONITOR RBF(39) AND ORBF(37) WITH METER.
C. SW3 OPEN RBF(39) = "1" ≈5V
ORBF(37) = "0" < .5V

SW3 CLOSED RBF(39) = "0" < .5V
ORBF(37) = "1" ≈ 5V

REVISIONS

DMW 9/24/90 B44/FB

2520A

DL22

PRINTS TO

MADE BY M A CONNER
ISSUED April 16, 1991

APPROVALS DJM

INDUSTRY CONTROL DIV OR DEPT.
SALEM, VIRGINIA LOCATION

68A944231
CONT ON SHEET FL. SH NO. 3

FF-803-WP (9-69) PRINTED IN U.S.A.

CODE IDENT NO. CARS