REV NO.

277A3782
CONT ON SHEET 3 SH NO. 2

TITLE Test Specifications

FIRST MADE FOR 44C372643G01

REVISIONS

I. Test Equipment Required

A. Printed Circuit Board Test Stand - 44C931365.

B. DC Ammeter 0 to 1 ampere. Acc. ± 1%. Note: Do not connect ammeter and power supply prior to step III(L), or 3Q & 7R will be damaged.

C. DC Power Supply 0 to 60 volts - 2 amp capacity.

D. DC Power Supply 0 to 40 volts - 2 amp. capacity.

E. Isolated AC Source 0 to 30 volts - 0.5 amp capacity.

F. Oscilloscope - Tektronix Model 531 or equivalent

G. Drawings 44C309695 Elementary Rev. 0
44C372643G01 Assembly

(1) H. Resistor - ~~255.5 ± 2.55~~ 24 ± 1 (2) ohms - 1 watt.

II. Resistance Check

2TBD (+) to 2TBK (-) 10 - 75 ohms } ANALOG METER DVM DIODE CHECK .4V
2TBD (-) to 2TBK (+) above 1 meg. } Above 1 meg

III. Electrical Connections and Test

A. Apply 60 ± 0.6 VDC 1TBA +
1TBK -

B. Measure 2TBB (+) to 2TBA (-) = 32.45 ± 1.7 VDC

C. Slowly increase AC voltage 1TBC to 1TBD.
The voltage at 2TBB (+) to 2TBA (-) shall go to 27.5 ± 2 (1) VDC at 12.25 ± 1 VAC.
Increase AC input to 30 ± 0.5 VAC.
Oscilloscope pulse shall be 0.6 to 1 ms wide.
after. 2TBB (+) to 2TBA (-) (1)

D. Return AC voltage to zero.
2TBB (+) to 2TBA (-) = 32.45 ± 1.7 VDC.

E. Connect 2TBF to 2TBA.
2TBB (+) to 2TBA (-) shall go to zero. Slowly reduce the 60 VDC supply. The voltage at 2TBB (+) to 2TBA (-) shall jump to 20 ± 5 VDC at 37.5 ± 2.5 VDC.

F. Remove jumper 2TBF to 2TBA.
Return DC supply to 60 ± 0.6 VDC

1 CR# 790724-CD02 A. Buckler 10-18-79

3EL1
4QA3
1RA2
4EK1
DL13

PRINTS TO

MADE BY RK Gerlitz 781207	APPROVALS [signature]	Drive Systems	DIV OR DEPT.
ISSUED 1/08/79	12-15-78	Salem, Va. USA	LOCATION

FF-803 WF (11-77)
PRINTED IN U.S.A.

G. Remove AC voltage from 1TBC and 1TBD and connect to 1TBE and 1TBF.

H. Repeat steps C thru D.

I. Remove AC voltage from 1TBE and 1TBF and connect to 1TBG and 1TBH.

J. Repeat steps C thru D.

K. Connect jumper 2TBF to 2TBA.
6ZD = 24 ± 0.6 VDC ~~±1.2V 5% ZEN~~ (*1)
Turn PS to zero. ~~26~~ (3)

(1) L. Connect the ~~2555~~ ohm resistor across 6R on the PC board.
Connect a DC power supply in series with ~~a 0 to 0.5~~ DC ammeter 2TBH (+) and 2TBF (-)
Increase this power supply ~~until 255 MA current indication is obtained.~~ (1) the to ~~6.02~~ ± 0.02 VDC.
~~THIS SHOULD BEEMP AT 6/1K VDC~~ 2.0 (*1)

~~M. Measure the voltage drop across 7R.~~
~~It shall be 2.5 ± 0.2 VDC.~~

(2) ~~750~~ 200 (*1)

(1) M. The DC milliameter shall read ~~600~~ ± 30 ma.

(2) Limits set on motorola transistor.

*1 ags 7/21/87 ECR# 850122-C005

3EL1
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