

44C372670 G01 (MANUAL SETUP)

APPLY +15 Volts to TER. "E"

Common to TER. "F"

APPLY -15 Volts to TER. "G"

Common to TER. "H"

1. CONNECT A "0" to -15 VOLT POWER Supply to:
+ to "F"

Common to "H"

2. LOADS

470 OHMS FROM "D" to "C"

470 OHMS FROM "A" to "B"

} USE TWO VOLT METER
ACROSS RESISTORS
IN LIEU OF L2 & L3

3. Complete Steps "E" THROUGH Step "H" PER
277A3788 TEST INSTRUCTIONS.

1-3-83

REV NO.

TITLE

Test Specifications

2 7 7 A 3 7 8 8

CONT ON SHEET

2

SH NO.

1

FIRST MADE FOR 44C372670

REVISIONS

STANDING INSTRUCTIONS

FOR

44C372670

INVERSE TIME BOARD

Dist:

- 1 QC Test
- 1 QC Engr.
- 1 Engr.

3EL1

4QA1

1RA2

4EK1

DL13

PRINTS TO

MADE BY

RK Gerlitz 790109

ISSUED

1-12-79

APPROVALS

ER Parn
11/10/79

Drive Systems

Salem, VA USA

SW OR

DEPT

2 7 7 A 3 7 8 8

LOCATION

CONT ON SHEET 2

SH NO. 1

CODE IDENT NO.

REV. NO.	TITLE
2 7 7 A 3 7 8 8	Test Specifications
CONT ON SHEET 3	SH NO. 2

FIRST MADE FOR 44C372670

REVISIONS

I. Test Equipment Required

- A. Printed Circuit Board Test Stand 44C931365.
- B. Universal Adaptor Cable - 66 pin or amp mod II 30 pin.
- C. Cable Power Supply.
- D. Patch Board #10.
- E. Time Interval Meter. HP Model 5368A or equivalent.
- F. Drawings Test Fixture 44C931365
 Elementary 44B321958 Rev. 0
 Assembly 44C372670

II. Connections

- A. Connect the Universal Adapter Cable to "PL-1", on the Universal Tester (U.T.).
- B. Connect the power supply cable to "PL-3" on the U.T., and to the D.C. power supplies per markings.
- C. Connect a D.C. digital voltmeter to "BJ-1" on the U.T.

III. Resistance Check

Ter.	to	Ter.	Resistance (Ohms)
D(+)		C(-)	4 to 100
B(+)		A(-)	4 to 100

Visual Check

2R	33K
11R	10K
2C	.1 mfd
3C	.1 mfd

IV. SetUp

- A. Turn all switches to OFF or to NORMAL on the U.T.
- B. Turn all power supplies to zero.

3EL1

4QA1

1RA2

4EK1

DL13

PRINTS TO

MADE BY RK Gerlitz 790109	APPROVALS <i>J.R. P...</i> 1/10/79	Drive Systems Salem, VA USA	DIV OR DEPT. LOCATION
ISSUED 1-22-79	2 7 7 A 3 7 8 8		
CONT ON SHEET 3		SH NO. 2	

TITLE

Test Specifications

2 7 7 A 3 7 8 8

CONT ON SHEET 4

SHEET NO. 3

FIRST MADE FOR 44C372670

REVISIONS

C. Connect the P.C. Board to the Universal Adapter cable as follows:

P.C. Board	Adaptor	Function
A	25	L2
B	24 ①	L2
C	26	L3
D	27 ①	L3
E	1,2	+15V
F	3,4,11	OV
G	5,6	-15V
K	15	PS4(+)

D. Apply power to test stand.

E. Install PB-10 into receiver of U.T. and close.

F. Install 12-14 volt, 40 ma Dialco LED lamps in "L2" and "L3" on the U.T.

V. Electrical Test

- A. Close "SW-1".
Depress "LPB-10"
Adjust PS1 to 24 ± 0.5 VDC at "BJ-1".

NOTE: Should it become necessary to remove all D.C. power from the P.C. Board, open "SW-1".

- B. Close "SW-2".
Depress "LPB-2".
Adjust PS-2 to 15 ± 0.1 VDC at "BJ-1".

- C. Depress "LPB-3".
Adjust PS-3 to 15 ± 0.1 VDC at "BJ-1".

- D. Close "SW-3" and "SW-8".
Place "SW-11" down.

- E. Adjust 1P completely ~~CCW~~ CCW
2P completely ~~CCW~~ CW
L2 and L3 shall be deenergized.

- F. Depress "LPB-4" \rightarrow PS ON F(+) to K(-) SW 11
Increase PS-4 until "L2" energizes. Note L3 may or may not energize. This shall occur at 9.13 to 11.22 VDC
VDC at "BJ-1". Adjust 1P for a ± 0.1 volt trip point.
(Lower PS-4 to zero then increase same).

W.L.L. 3-1-79

3EL1
AQ41
1RA2
4ER1
DL13

PRINTS TO

MADE BY

RK Gerlitz 790109

ISSUED

1-12-79

APPROVALS

FR P...
11/10/79

Drive Systems

Salem, VA USA

OFF. OR
DEPT.

2 7 7 A 3 7 8 8

LOCATION

CONT ON SHEET 4

2 7 7 A 3 7 8 8

TITLE

Test Specifications

CONT ON SHEET Fnl. SH. NO. 4

FIRST MADE FOR 44C372670

REVISIONS

G. Connect a time interval meter as follows:

Start to Pin K
Trigger level -5 VDC
Slope (-)

Stop to Pin D
Trigger Level +3 VDC
Slope (-)

Common to Pin F.

H. Adjust PS4 for ± 0.05 VDC at "BJ-1".

Remove PS4 → Open "SW-11".

F(+)(KE) Discharge 1C on the P.C. Board.
Adjust 2P completely ~~CCW~~ CW

Place "SW-11" down. Counter shall start then stop 23 to 33
seconds later. L2 shall energize when "SW-11" is placed
down, and L3 shall energize when counter stops.

I. Open "SW-11". Discharge capacitor. Adjust 2P ~~CCW~~ CW approximately
3/4 range and repeat timing.Continue adjusting 2P until timing is 6 ± 0.25 seconds.

Note: Discharge 1C before placing "SW-11" down.

J. Adjust PS4 to -14 ± 0.05 VDC at "BJ-1".Repeat timing check. Time shall be 3 ± 0.5 seconds.K. Open "SW-1". Return all switches to OFF or NORMAL.
Return all power supplies to zero.

3EL1

4RA1

1RA2

4EK1

DM3

PRINTS TO

MADE BY

RK Gerlitz-790109

ISSUED

4-12-79

APPROVALS

F.R. Brown
11/10/79

Drive Systems

Salem, VA USA

DIV OR

DEPT

LOCATION

2 7 7 A 3 7 8 8

CONT ON SHEET Fnl. 4

CODE/ISSUE NO.