SUBJECT

CARD TESTING

FOR USE OF CGE EMPLOYEES ONLY

1. PURPOSE

Testing of: PN 15V 1A/2A Power Supply 189A6707G1.

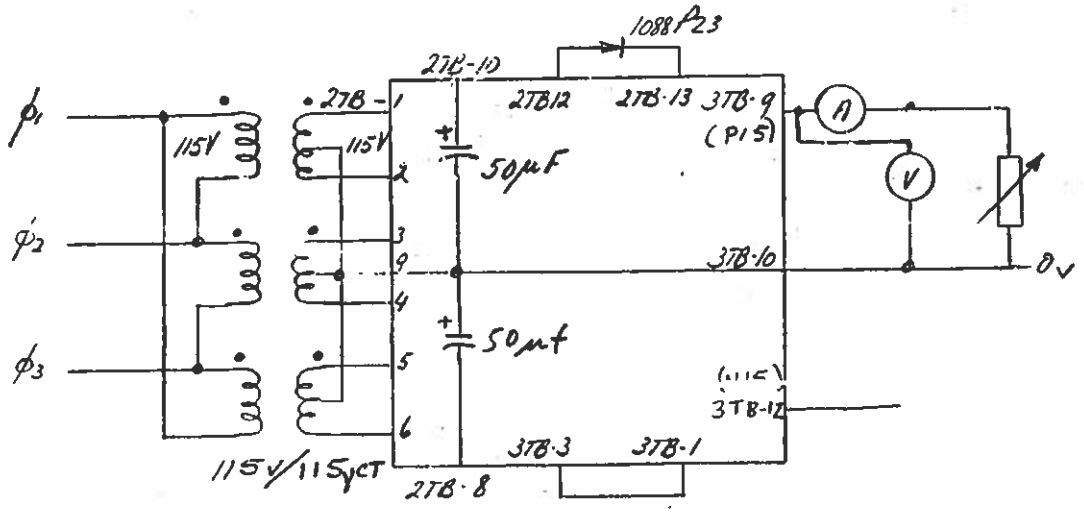
2. ELEMENTARY

S&C Data Bk 1088 sect. 6707 Dwg. 13703864.

3. EQUIPMENT

a) 3 phase 115VAC Power Supply
b) 3 115/115V CT Transformers 50VA
c) Ammeter AVO or equiv.
d) Oscilloscope Tek 551, with type G plug-in or equiv.
e) VTVM John Fluke or equiv.
f) Diode 177A1088 P23
g) 2 Capacitors 50μF 100V 177A1055 P27
h) 2 Variable resistors 150 ohm 2W

4. SET-UP



USED:
177A1304
PT001

IJD Nov 1/76

Prepared By	Section and Unit	Type Names	Signatures
H. Keyzers	IC 910	Prod. Engineering RW Lye	RwLye 1 Nov 76
Date Issued	Supersedes Issue Dated	Manuf. Eng. J Legros	S.J. Legros 11/4
5 Oct. 1976	New	Quality Control CA Finnamore	
SIGNATURES REQUIRED AS SHOWN →		Eng'g. Lab.	

5. TEST

a) Initial Pot Settings
   1) P3, P6, [illegible]
   2) P1, P4, midposition

b) P15V ✓
   1) With CP1-CP2, CP3-CP4 disconnected, apply power and adjust P1 for +15V ± .5V at 3TB-9

c) N15V ✓
   1) Adjust P4 for -15V ± .5V at 3TB-12

d) Diode check
   1) Check that ripple is as follows:

@ 2TB10. Check 2TB12 also. (negative voltage)

P3 FULLY CC W

e) P15 Current Limit
   1) Adjust variable resistor to 0 ohms.
   2) Current should be 10 mA ± 3 mA
   3) Turn P3 CW and current should increase. Do not exceed 200mA for > 10 seconds
   4) Remove load

P6 FULLY CC W

f) N15 Current Limit
   1) Adjust variable resistor to 0 ohms.
   2) Current should be 250mA maximum
   3) Turn P6 CW and current should increase Do not exceed 300mA for > 10 seconds
   4) Remove load

g) P15 Crowbar
   1) Connect CP1-CP2
   2) With no load adjust P3 until voltage starts to go down Then turn P3 1/4 turn CW.
   3) Turn P1 CW until output is 16V ± .5V
   4) At this point voltage should suddenly drop to OV.
   5) Do not leave power on for > 10 seconds.
   6) Remove CP1-CP2

ROUTE

4/0 Nov 1/76

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H. Keyzers	IC 910	Prod. Engineering RW Lye	RW Lye 1 Nov 76
Date Issued	Supersedes Issue Dated	Manuf. Eng. J Legros	S. G. Legros 11/2/
5 Oct. 1976	New	Quality Control CA Finnamore	[signature] 9 Nov 76
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SUBJECT

CARD TESTING

~~h) N15 Crowbar~~

~~Repeat par g with P4 and CP3-CP4.~~

i) Final setting
   1) With no load re-adjust P15 & N15 to 15V ± .5V
   2) Set P3, P4 at midposition
   3) Put jumpers back on CP1-2, CP3-4.

j) Ohmmeter check
   1) Check for 1 ohm between:

2TB13	3TB9	3TB3	2TB8
" 14	"	" 4	"
" 15	"	" 5	"
" 16	"	" 6	"
" 17	"	" 7	"
" 18	"	" 8	"

h) N15 Crowbar

1) Connect CP3-CP4 and check that CP1-2 is disconnected.
2) Turn P4 CW until the -15v output suddenly drops to 0V. This should occur at -16v + -
3) Do not leave power on for > 10 secs

FJO Nov 8/76

FJO Nov 11/76

ROUTE

Revision Addition

Prepared By: H. Keyzers	Section and Unit: IC 910
Date Issued: 5 Oct. 1976	Supersedes Issue Dated: New

SIGNATURES REQUIRED AS SHOWN →

	Type Names	Signatures
Prod. Engineering	RW Lye	RW Lye 1 Nov
Manuf. Eng.	J Legros	S.H. Legros 11/
Quality Control	CA Finnamore	
Eng'g. Lab.		

PW 1222