

12BZ-1016-A CONDUCTIVE GLASS-ASMB

GLASS ASSY TESTING | CHECK FOR ITO FAILURE

- NEW FIXTURE
- ENG UNIT S/N 021 (SUNTRON) MODIFIED
- HV TRANSFORMER 06594 X5B #2
- BOOST VOLTAGE: 158.8 VDC
- DUTY CYCLE TEST. GUI VER 0.9.6.7
- ORANGE DROP CAP; GOV INDUCTOR
- AT LEAST 20 ENERGY CYCLES PER GLASS
- 0.5 SEC

11.11.2011 TEST 1

IN-TEST		SUNTRON UNIT #1	
P 2F		110323-01 #1	4 SHOTS ABOVE BASELINE / FIRST CYCLE
3 PDS 12.13.11	✓	110323-01 #2	29 CYCLES
		110323-01 #3	30+ CYCLES
IN-TEST		SUNTRON UNIT #2	
1 P 2F		110329-01 #1	1st CYCLE MASSIVE FAILURE [VIDEO]
3 PDS 12.13.11	✓	110329-01 #2	[BAD BASELINE] > 40 CYCLES
		110329-01 #3	[BAD BASELINE] FIRST CYCLE MASSIVE FAILURE [VIDEO]
IN-TEST		SUNTRON UNIT #3	
3 PDS 12.13.11	✓	110628-01 #1	> 40 CYCLES
2 P 2F ✓		110628-01 #2	> 30 CYCLES
FALIED #2		110628-01 #3	> 30 CYCLES FIRST CYCLE MASSIVE FAILURE [VIDEO]

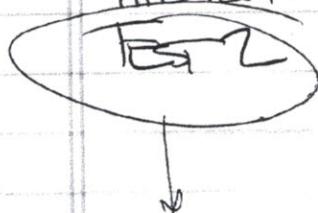
4 of 9 Passed FIRST TEST

- Enclosure

Check IMPRESSIONS

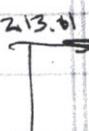
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11.5.2011



Re-Test Pass Units ENDURANCE
160 CYCLES 3.33 min. 3:20
Same Conditions (Boost 158.7VDC)

To MDS 12.13.61
(1)



P F

110323-01 #3

VISIBLE
NO ENERGY @ Busbar

R (2)



P F

110329-01 #2

> 100

RING & BUSBAR
NOT CONCENTRIC

P F

110628-01 #2



MAYBE WE DIDN'T NOTICE
DURING FIRST TEST
PICTURES

To MDS 12.13.11
(2)

P F

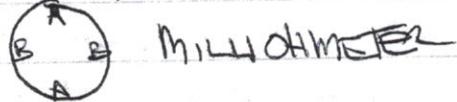
110628-01 #1

4 min. 120 CYCLES

Z

11.18.2011 5 SEC. FROM EACH LOT

TEST RESISTANCE BEFORE TEST



MILLIMETER

SOME TEST

TESTS

110323-01

ITEMS	(A)	R _A	R _B	100 CYCLE	3:27	✓ AFTER TEST
2.13.11	#4	2.38	2.45	P F		
	#5	2.92	12.91	P F		3:35
	#6	2.85	2.62	P F		1ST CYCLE
	#7	2.44	2.42	P F		3.44
	#8	2.30	2.31	P F		1ST CYCLE
				<u>3 2</u>	60%	

No SIGNIFICANT OR DETECTABLE CHANGE IN MEASURED R

11.28.11 6 TOTAL

12.05.11

110323-01 8 TESTS 4 PASSED

110329-01 3 TESTS 1 PASSED

110628-01 3 TESTS 1 PASSED

14 6 43%

12.09.10

(P F)

29

158.8 ✓

100 CYCLE

3:20 TIME MIN

NOT CONCENTRIC 1ST EXPOSURE STRAIGHT LINES

Straight Lines

#4

1ST EXPOSURE STRAIGHT LINES ONE TEXTURE

#5

POOR BUSBAR FAILS 1ST BUSES 2-3, GROOSES

#6

POOR BUSBAR FAILS 1ST BUSES 2-3, GROOSES

#7

POOR BUSBAR FAILS 1ST BUSES 2-3, GROOSES

#8

>4 minutes 120 CYCLES

*

12.13.11



3

1209.11 (CONT'D)

110628-01

P(F)

#4

BUTTER MORE GRANULAR FINES, GTZ, RECLINE

(P)F

#5

4 min 30 sec

135 CYCLES

PF

#6

PF

#7

PF

#8

8000S 12.13.11

STOP THE 8000S (8)

NO RECLINE

NO RECLINE

NO RECLINE

12.13.11

SCHP TO MJS FOR ELECTRODE PRACTICE

110323-01 #2

110329-01 #1

110628-01 #3

Rockin List 15260

~~Boost 120%
153-218~~
~~08.02.12~~

110628-01 P F F F
*20, 21, 22, 23 ATTACHED
100 cycles, then WF Voids

SN 09188 110323-01 ID# 24
RS TEST REA. 00.00 ✓ 100 cycles LOCKUP PASS
Project

Scope
ID 0028
DUE 9/29/12 110323-01 ID# 25
Pm
FD 0025 ✓ 100 cycles Good Ground
DAE 8/23/12 16.4 KV Suction Cup mark

110323-01 ID# 26
✓ 100 cycles 16.8 KV PASS

3 110323-01 ID# 27
✗ 100 cycles FAIL
11.4 KV still marks P Create

4 110323-01 ID# 28
✗ 100 cycles PASS
△ 15.8 KV ! 16.4 is possible

MENGERIMENT UNCERTAINTY

5 03.12 110323-01 ID# 29
Boost 152.6 ✓ 100 cycles
218 △ 15.8 KV LOWER THAN
ID30 PASS

6 110323-01 ID# 30
✗ 100 cycles
16.6 KV PASS (5)

THAN 100K TIPPED
DP LOAD (Tachin Probe) 5 min [150 CYCLES] 6

110323-01 ID#31

✓ 100 CYCLES
= 16.2 KV

Pass

8

110323-01 ID#32

X 100 CYCLES FAILED 1ST EXPOSURE
7.4 KV OPEN GROUT

Fail

9

110323-01 ID#33

✓ 100 CYCLES
16.6 KV

Pass

10

'SPARKLE' RETEST UNITS FROM MJS

3pcs

NCR 07703 ERIC LOT 110628-01 / #6

CHECK FOR 'SPARKLE' FAILURE

HISTORY SHOWS THESE SPARKLE FAIL

#6

#7

#8

SNO988 TEST BED
PDT PROBE (CHAMFER)

110329-01

- HIGH V IS ?
- DANGEROUS BUT
- REALISTIC SET

PASS

110628-01 / #6

[NAC
#173161]

05.15.12

✓ VISUAL MAY BE SOME FINE LINE 'SCRATCHES'

100% BOOST 126.8 V Ø52 LOAD

= ~ 6 MINUTES 1200 CYCLES

• TIPPED THE PROBE TO UNKNOWN. c 90°

100 KΩ LOAD 5 min [150 CYCLES]

TIPPED

DP LOAD (TAPPING PROBE) 5 min [150 CYCLES] 6

I WAS BRIGHTEST
THAN 100K