

12BZ-1016-A CONDUCTIVE GLASS ASSEMB

GLASS ASSY TESTING CHECK FOR ITO FAILURE

- NEW FIXTURE
- ENG UNIT S/N 021 (SUNTRON) MODIFIED
- HV TRANSFORMER 06594 XSB #2
- BOOST VOLTAGE: 158.8 VDC
- DUTY CYCLE TEST. GWT 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

instruct P 2F	<div> <div>P</div> <div>F</div> </div> <div> <div>P</div> <div>F</div> </div> <div> <div>P</div> <div>F</div> </div> <div> <div>P</div> <div>F</div> </div>	<div>SUNTRON UNIT #1</div> <div>110323-01 #1</div> <div>110323-01 #2</div> <div>110323-01 #3</div>	<div>4 SHOTS</div> <div>ABOVE SPEC BARRIER / FIRST CYCLE</div> <div>29 CYCLES</div> <div>30+ CYCLES</div>
75 MTS 12/13/14	<div> <div>P</div> <div>F</div> </div> <div> <div>P</div> <div>F</div> </div> <div> <div>P</div> <div>F</div> </div>	<div>SUNTRON UNIT #2</div> <div>110329-01 #1</div> <div>110329-01 #2</div> <div>110329-01 #3</div>	<div>1ST CYCLE</div> <div>MASSIVE "FAILURE-1" VIDEO</div> <div>[BAD BARRIER] > 40 CYCLES</div> <div>[BAD BARRIER] FIRST CYCLE MASSIVE</div>
1P 2F 8 MTS 12/13/11	<div> <div>P</div> <div>F</div> </div> <div> <div>P</div> <div>F</div> </div> <div> <div>P</div> <div>F</div> </div>	<div>SUNTRON UNIT #3</div> <div>110628-01 #1</div> <div>110628-01 #2</div> <div>110628-01 #3</div>	<div>> 40 CYCLES</div> <div>> 30 CYCLES</div> <div>> 30 CYCLES</div> <div>FIRST CYCLE: "FAILURE-2" VIDEO</div>

4 OF 9 PASSED FIRST TEST

• ENHANCE

CHECK IMPRESSIONS

11/5/2011
TEST 2

RE-TEST PASS UNITS ENDURANCE
100 CYCLES 3.33 min. 3:20
SAME CONDITIONS (BOOST 158.7VDC)

TO BUS 12, 13, 11
(1)

(P) F

110323-01 #3

NO ENERGY e BUSBAR

#2

(P) F

110329-01 #2 > 100

RUNNING BUSBAR
NOT CONCENTRIC

P (F)

110628-01 #2

(P)

MAKE WE DIDNT NOTICE
DURING FIRST TEST
PICTURES

TO BUS 12, 13, 11
(2)

(P) F

110628 01 #1 4min. 120 cycles

11.18.2011

5 ED. FROM EACH LOT

TEST RESISTANCE BEFORE TEST



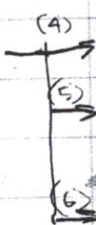
MILLIOHMETER

SAME TEST

TEST 3

110323-01

0 MOS
2.13.11



#4
#5
#6
#7
#8

RA RB
238 ✓ 245 ✓
2.92 12.91
2.85 12.62
2.44 2.42
2.30 2.31

100 CYCLE

(P) F
(P) F
P (F)
(P) F
P (F)

3:27 ✓ AFTER TEST
3:35
1ST CYCLE
3.44
1ST CYCLE

3 2 6%

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%

12.09.11

(P F)

P (F)
P (F)
P (F)
P (F)
P (F)

★

12.13.11
(F)

29

110322-01

100 CYCLE

158.8V

3:20 TIME MIN

#4
#5
#6
#7
#8

NOT CONCENTRIC GLASS 1ST EXPOSURE
1ST EXPOSURE STRAIGHT LINES ONE EXPOSURE TOTAL
POOR BUSBAR FAILS 1ST BOTH 2-3, CIRCLES
VERY FINE LINES
POOR BUSBAR FAILS BOTH BUSBAR <1.2
>4 MINUTES 120 CYCLES

3
3

12.09.11 (CONT'D)

110628-01

8.05.12.13.11

STOP
FOR THE
WEEKEND
NO RESETS
NO ERRORS

8.05.12.13.11

P(F)

#4

BUSKAR MORE GRAMMAR FINES 1ST GATES, REFINANCE

(P)F

#5

4 min 30 sec 135 OXIES

PF

#6

PF

#7

PF

#8

12.13.11

SCAP TO MJS FOR ELECTROSE PRACTICE

110323-01 #2

110329-01 #1

110628-01 #3

REKING LIST 15260

Boost 120%
153-218
05.02.12

110628-01 *20, 21, 22, 23
100 cycles, THEN WF VOLT

SN 09188

AS TEST
PREDATA

R44.00.00

110323-01 ID#24

100 cycles

LOCKUP

PASS

16.4 kV

SCOPE

ID 0028

DUE 9/29/12

DVM

ID 0025

DUE 8/23/12

110323-01 ID#25

100 cycles GOOD CORONA

16.4 kV

SWITCHING CUP MARK

PASS

110323-01 ID#26

100 cycles

16.8 kV

PASS

110323-01 ID#27

100 cycles

11.4 kV

STILL MAKING
A CORONA

FAIL

110323-01 ID#28

100 cycles

⚠

15.8 kV

⚠

16.4 is positive

PASS

MEASUREMENT UNCERTAINTY

05.03.12

Boost 152.6
218

110323-01 ID#29

100 cycles

⚠

15.8 kV

LOWER THAN
ID30

PASS

110323-01 ID#30

100 cycles

16.6 kV

PASS

5

THAN 100K

TIPPED
OF LOAD (TACHING PROBE) 5 min 150 cycles 6

110323-01 ID#31

✓ 100 CIRCLES

16.2 KV

PASS

8

110323-01 ID#32

~~✗ 100 CIRCLES FAILED 1ST EXPOSURE~~

~~7.4 KV OPEN GROUT~~

FAIL

9

110323-01 ID#33

✓ 100 CIRCLES

16.6 KV

PASS

10

1 'SPARKLE' RETEST UNITS FROM MJS 3 pcs

NCR 07703 EPL LOT 110628-01 / #6

CHECK FOR 'SPARKLE' FAILURE

HISTORY SHOWS
THESE SPARKLE FAIL

110323-01 / #7

SN0988 TEST BED

PAD PROBE (CHANGED)

110329-01 / #8

- HIGH V IS
DAMAGING
- REQUEST FOR
SAFE

PASS

110628-01 / #6

[#173161]

05.15.12

✓ VISUAL MAY BE SOME FINE LINE 'SCRATCHES'

100% Boost 126.8 V 0.52 LOAD

• ~ 6 MINUTES • 1200 CIRCLES

• TIPPED THE PROBE TO UNVERT. @ 90°

100K Ω LOAD 5 min 150 CIRCLES

12
3
6
9

INRS BRIGHTER
THAN 100K

TIPPED
OP LOAD (TAPPING PROBE) 5 min 150 CIRCLES 6