

DCA-15-MR-010  
Passenger Train Derailment  
Philadelphia, PA  
May 12, 2015

## SIGNAL ATTACHMENT 40

Shore Delair Insulation Resistance (2) 236.108


**AMTRAK RECORD OF INSULATION RESISTANCE C&S 2.0**


DIVISION		LOCATION	FROM:	TO:
MID-ATLANTIC		SHORE	B12/B13 LOCATION	B12 A ARM
DATE INSTALLED:		MANUFACTURER	YEAR MANUFACTURED:	SPECIFICATION
1989		UNKNOWN	UNKNOWN	5/c #9AWG
LIST		INSULATION RESISTANCE VALUES TO GROUND	LIST	INSULATION RESISTANCE VALUES OF CROSSES
CDR/CRT. NOMENCLATURE				CABLE DESIGNATION:
				REMARKS:
1	1NAH2G	INF	INF	
2	1NAR2G	INF	INF	
3	1NA-ENX	INF	INF	
4	1NA-ENX	INF	INF	
5	SPARE	INF	INF	
SIGNATURE: [Redacted]		G. ROBINSON	DATE MEGGERED: 3/9/2014	
SIGNATURE: [Redacted]		R. DUKULY	DATE MEGGERED: 3/9/2014	
NOTES: 1. LIST NOMENCLATURE FOR EACH WORKING CONDUCTOR		3. INDICATE CONDUCTORS THAT ARE SPARE.		
2. UNDERLINE WORKING CONDUCTORS 1 MEG OR BELOW IN RED, AND LIST 500,000 OR BELOW ON FORM C&S. 2A.		4. TWO SIGNATURES REQUIRED.		



**AMTRAK RECORD OF INSULATION RESISTANCE C8 C&S 2A-1**

DIVISION		LOCATION	FROM:	TO
MID-ATLANTIC		AUTO B12/ B13	B12/ B13	1S SIG JERSEY
DATE INSTALLED:		MANUFACTURER	YEAR MANUFACTURED:	SPECIFICATION
				57c/14
		LIST INSULATION RESISTANCE VALUES TO GROUND	LIST INSULATION RESISTANCE VALUES OF CROSS	CABLE DESIGNATION:
CDR	CRT. NOMENCLATURE			REMARKS:
1	BX110NR	100M	100M	
2	NX110NR	100M	100M	
3	BX110SR	75M	75M	
4	NX110SR	100M	100M	
5	1BDS+	INF	INF	
6	1BDS-	INF	INF	
7	1BTM+	3M	3M	
8	1BTM-	INF	INF	
9	1CC-S	5M	5M	
10	N1CC-S	INF	INF	
11	1SCHAP	INF	INF	
12	N1SCAPHAP	100M	100M	
13	SP	500TH	500TH	PIN POINTED OPEN CONDUCTOR
14	SP	11M	11M	PIN POINTED OPEN CONDUCTOR
15	SP	1.5M	1.5M	OPEN CONDUCTOR
16	SP	3M	3M	OPEN CONDUCTOR
17	SP	1.5M	1.5M	OPEN CONDUCTOR
18	N1SDED	100M	100M	
19	N1SDA	50M	50M	
20	110+	100M	100M	
21	110+	100M	100M	
22	110+	100M	100M	
23	9WDED	200M	200M	
24	N9WDED	200M	200M	
25	110-	200M	200M	
26	110-	200M	200M	
27	110-	200M	200M	
28	1SDED	10M	10M	
29	1SDA	200M	200M	
30	SP	50M	50M	
31	SP	INF	INF	
32	SP	50M	50M	
33	SP	20M	20M	
34	SP	15M	15M	
35	SP	15M	15M	
36	SP	15M	15M	
37	SP	15M	15M	
38	SP	30M	30M	
39	SP	20M	20M	
40	SP	INF	INF	
41	SP	INF	INF	
42	SP	INF	INF	
43	SP	100M	100M	
44	SP	INF	INF	
45	SP	INF	INF	
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SIGNATURE:  B. DEWEESE DATE MEGGERED: 12/18/2014

SIGNATURE:  G. ROBINSON DATE MEGGERED: 12/18/2014

NOTES: 1. LIST NOMENCLATURE FOR EACH WORKING CONDUCTOR. 3. INDICATE CONDUCTORS THAT ARE SPARE.  
 2. UNDERLINE WORKING CONDUCTORS 1 MEG OR BELOW IN RED, 4. TWO SIGNATURES REQUIRED.  
 AND LIST 500,000 OR BELOW ON FORM C.&S. 2A.

**AMTRAK RECORD OF INSULATION RESISTANCE C&S 2A-1**

DIVISION		LOCATION	FROM:	TO:
MID-ATLANTIC		SHORE	LOC. WR	AUTO. B12/B13
DATE INSTALLED:		MANUFACTURER	YEAR MANUFACTURED:	SPECIFICATION
06/11/05				57Cond. Comp.
CDR CRT. NOMENCLATURE		LIST INSULATION RESISTANCE VALUES TO GROUND	LIST INSULATION RESISTANCE VALUES OF CROSS	CABLE DESIGNATION: REMARKS:
1	S100BX110NR	INF.	INF.	
2	S100NX110NR	INF.	INF.	
3	S100BX110SR	INF.	INF.	
4	S100NX110SR	INF.	INF.	
5	1BDS+	INF.	INF.	
6	1BDS-	INF.	INF.	
7	1BTM+	INF.	INF.	
8	1BTM-	INF.	INF.	
9	1SS-S	INF.	INF.	
10	N1CC-S	INF.	INF.	
11	9WBHAP1	INF.	INF.	
12	N9WBHAP1	INF.	INF.	
13	9WDA	INF.	INF.	
14	N9WDA	INF.	INF.	
15	9WDEDP	INF.	INF.	
16	N9WDEDP	INF.	INF.	
17	1SDEDP	INF.	INF.	
18	N1SDEDP	INF.	INF.	
19	SPARE	6M	6M	
20	NX110	INF.	INF.	
21	NX110	INF.	INF.	
22	NX110	INF.	INF.	
23	NX110	INF.	INF.	
24	BX110	INF.	INF.	
25	BX110	INF.	INF.	
26	BX110	INF.	INF.	
27	BX110	INF.	INF.	
28	SPARE	50M	50M	
29	SPARE	10M	10M	
30	SPARE	20M	20M	
31	SPARE	20M	20M	
32	SPARE	3M	3M	
33	SPARE	3M	3M	
34	SPARE	75M	75M	
35	SPARE	5M	5M	
36	SPARE	1.5M	1.5M	
37	SPARE	75M	75M	
38	SPARE	75M	75M	
39	SPARE	3M	3M	
40	SPARE	15M	15M	
41	SPARE	INF.	INF.	
42	SPARE	50M	50M	
43	SPARE	100M	100M	
44	SPARE	50M	50M	
45	SPARE	2M	2M	
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SIGNATURE: B. DEWEESE [REDACTED] DATE MEGGERED: 1/5/2015

SIGNATURE: G. ROBINSON [REDACTED] DATE MEGGERED: 1/5/2015

NOTES: 1. LIST NOMENCLATURE FOR EACH WORKING CONDUCTOR. 2. UNDERLINE WORKING CONDUCTORS 1 MEG OR BELOW IN RED, AND LIST 500,000 OR BELOW ON FORM C.&S. 2A. 3. INDICATE CONDUCTORS THAT ARE SPARE. 4. TWO SIGNATURES REQUIRED.



