

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

SIGNAL ATTACHMENT 28

Shore to Clearfield Insulation Resistance
236.108

AMTRAK RECORD OF INSULATION RESISTANCE C&S 2.0

DIVISON		LOCATION	FROM:	TO
MID-ATLANTIC		SHORE TO CLEARFIELD	LOC 835	LOC 834
DATE INSTALLED:		MANUFACTURER	YEAR MANUFACTURED:	SPECIFICATION
1995				57C COMP.
		LIST INSULATION RESISTANCE VALUES TO GROUND	LIST INSULATION RESISTANCE VALUES OF CROSS	CABLE DESIGNATION:
CDR	CRT. NOMENCLATURE			REMARKS:
1	W100BX110WR	INF	INF	
2	W100NX110WR	INF	INF	
3	W100BX110ER	INF	INF	
4	W100NX110ER	INF	INF	
5	1CC-W	INF	INF	
6	N1CC-W	INF	INF	
7	SP	INF	INF	
8	SP	INF	INF	
9	SP	INF	INF	
10	SP	INF	INF	
11	1DS +	INF	INF	
12	1DS -	INF	INF	
13	1TM +	INF	INF	
14	1TM -	INF	INF	
15	2CC-W	INF	INF	
16	N2CC-W	INF	INF	
17	SP	INF	INF	
18	SP	INF	INF	
19	SP	INF	INF	
20	SP	INF	INF	
21	2DS +	INF	INF	
22	2DS -	INF	INF	
23	2TM +	INF	INF	
24	2TM -	INF	INF	
25	3CC-W	INF	INF	
26	N3CC-W	4M	4M	
27	SP	1M	1M	
28	SP	INF	INF	
29	SP	INF	INF	
30	SP	INF	INF	
31	3DS +	INF	INF	
32	3DS -	INF	INF	
33	3TM +	INF	INF	
34	3TM -	INF	INF	
35	4CC-W	INF	INF	
36	N4CC-W	INF	INF	
37	SP	INF	INF	
38	SP	INF	INF	
39	SP	INF	INF	
40	SP	INF	INF	
41	4DS +	INF	INF	
42	4DS -	INF	INF	
43	4TM +	INF	INF	
44	4TM -	INF	INF	
45	C2	INF	INF	
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SIGNATURE: [Redacted] T. SMITH DATE MEGGERED: 4/19/2006

SIGNATURE: [Redacted] J. KAHLER DATE MEGGERED: 4/19/2006

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 2.0

DIVISION		LOCATION	FROM:	TO		
MID-ATLANTIC		SHORE TO CLEARFIELD	LOC 835	LOC 834		
DATE INSTALLED:		MANUFACTURER	YEAR MANUFACTURED:	SPECIFICATION		
1995				37C		
CDR		CRT. NOMENCLATURE	LIST INSULATION RESISTANCE VALUES TO GROUND	LIST INSULATION RESISTANCE VALUES OF CROSS	CABLE DESIGNATION:	REMARKS:
1	1WDEDP	INF	INF			
2	N1WDEDP	INF	INF			
3	1EEDDP	INF	INF			
4	N1EEDDP	INF	INF			
5	2WDEDP	INF	INF			
6	N2WDEDP	INF	INF			
7	2EEDDP	INF	INF			
8	N2EEDDP	INF	INF			
9	3WDEDP	INF	INF			
10	N3WDEDP	INF	INF			
11	3EEDDP	INF	INF			
12	N3EEDDP	INF	INF			
13	4WDEDP	INF	INF			
14	N4WDEDP	INF	INF			
15	4EEDDP	INF	INF			
16	N4EEDDP	INF	INF			
17	W1D	INF	INF			
18	WN1D	INF	INF			
19	W2D	INF	INF			
20	WN2D	INF	INF			
21	W3D	INF	INF			
22	WN3D	INF	INF			
23	W4D	INF	INF			
24	WN4D	INF	INF			
25	SP	INF	INF			
26	SP	INF	INF			
27	SP	INF	INF			
28	SP	INF	INF			
29	SP	INF	INF			
30	100BX110	INF	INF			
31	100BX110	INF	INF			
32	100BX110	INF	INF			
33	100BX110	INF	INF			
34	100NX110	INF	INF			
35	100NX110	INF	INF			
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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.

AMTRAK RECORD OF INSULATION RESISTANCE C&S 2.0

DIVISION		LOCATION	FROM:	TO
MID-ATLANTIC		835	CASE	1W Signal
DATE INSTALLED:		MANUFACTURER	YEAR MANUFACTURED:	SPECIFICATION
1995				9C9
		LIST INSULATION RESISTANCE VALUES TO GROUND	LIST INSULATION RESISTANCE VALUES OF CROSS	CABLE DESIGNATION:
CDR	CRT. NOMENCLATURE			REMARKS:
1	1WDE	INF	INF	
2	1WHAE	INF	INF	
3	1WHBE	INF	INF	
4	1WSE	INF	INF	
5	SP	INF	INF	
6	ENX-1W	INF	INF	
7	ENX-1W	INF	INF	
8	1WBNF	INF	INF	
9	SP	INF	INF	
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SIGNATURE: [Redacted]		B. DEWEES	DATE MEGGERED: 4/28/2013	
SIGNATURE: [Redacted]		J. KROTZ	DATE MEGGERED: 4/28/2013	
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 2.0

DIVISION		LOCATION	FROM:	TO
MID-ATLANTIC		835	CASE	2W Signal
DATE INSTALLED:		MANUFACTURER	YEAR MANUFACTURED:	SPECIFICATION
1995				9C9
		LIST INSULATION RESISTANCE VALUES TO GROUND	LIST INSULATION RESISTANCE VALUES OF CROSS	CABLE DESIGNATION:
CDR	CRT. NOMENCLATURE			REMARKS:
1	2WDE	100M	INF	
2	2WHAE	INF	INF	
3	2WHBE	INF	INF	
4	2WSE	INF	INF	
5	2WBDE	INF	INF	
6	ENX-2W	300M	INF	
7	ENX-2W	INF	INF	
8	2WBNE	INF	INF	
9	2WBD1E	INF	INF	
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AMTRAK RECORD OF INSULATION RESISTANCE C&S 2.0

DIVISION		LOCATION	FROM:	TO:
MID-ATLANTIC		835	Case	3W Signal
DATE INSTALLED:		MANUFACTURER:	YEAR MANUFACTURED:	SPECIFICATION:
				9C. 9
		LIST INSULATION RESISTANCE VALUES TO GROUND	LIST INSULATION RESISTANCE VALUES OF CROSS	CABLE DESIGNATION:
CDR	CRT. NOMENCLATURE			REMARKS:
1	3WDE	INF	INF	
2	3WHAE	INF	INF	
3	3WHBE	INF	INF	
4	3WSE	INF	INF	
5	3WBD1E	INF	INF	
6	ENX - 3W	INF	INF	
7	ENX - 3W	INF	INF	
8	3WBNE	INF	INF	
9	3WBDE	INF	INF	
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SIGNATURE: [Redacted]		T. ANNUNZIO		DATE MEGGERED: 4/28/2013
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AMTRAK RECORD OF INSULATION RESISTANCE C&S 2.0

DIVISION		LOCATION	FROM:	TO:
MID-ATLANTIC		835	Case	4W Signal
DATE INSTALLED:		MANUFACTURER	YEAR MANUFACTURED:	SPECIFICATION
				9C. 9
		LIST INSULATION RESISTANCE VALUES TO GROUND	LIST INSULATION RESISTANCE VALUES OF CROSS	CABLE DESIGNATION:
CDR	CRT. NOMENCLATURE			REMARKS:
1	4WDE	200M	200M	
2	4WHAE	INF	INF	
3	4WHBE	150M	150M	
4	4WSE	130M	400M	
5	SP	INF	INF	
6	ENX - 4W	150M	300M	
7	ENX - 4W	150M	300M	
8	4WBNE	INF	INF	
9	4WBDE	INF	INF	
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