

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

SIGNAL ATTACHMENT 2

83.4 Loc (4) 236.102A, 105, 106 Tests

AMTRAK
INSTRUMENT RECORD

p.2

2153494611

Shore Inspector

May 21 15 03:58a

Date of Installed or Transferred	Location with designating or track number	Type or Model	Mfr	Resistance	Serial Number	Dates tested	Date overhauled	Initial charge	Neutral				Polar				Maximum contact resistance	Local voltage	contact opening	Shop or field test	Inspector		
									Dropaway		Pickup		Working current or voltage		Pickup							Working current or voltage	
									Normal	Reverse	Normal	Reverse	Normal	Reverse	Normal	Reverse						Normal	Reverse
	1DS	DP14	USS	1000	B27060	04/23/15	89	OK	2.8V	2.8V	5.3V	5.3V	6.1V	6.1V	3.2V	3.2V				F	WL		
	2DS	DP14	USS	1000	H41028	04/23/15	89	OK	3.0V	3.0V	5.4V	5.4V	6.2V	6.2V	3.4V	3.4V				F	WL		
	3DS	DP14	USS	1000	P18814	04/23/15	89	OK	3.0V	3.0V	5.4V	5.4V	6.4V	6.4V	3.5V	3.5V				F	WL		
	4DS	DP14	USS	1000	0980D13	04/23/15	89	OK	3.1V	3.1V	5.3V	5.3V	6.4V	6.4V	3.4V	3.4V				F	WL		
	4TR	PC250	USS	20	2784035	04/23/15	84	OK					31MA	31MA						F	WL		
	3TR	PC250	USS	20	1984062	04/23/15	91	OK					33MA	33MA						F	WL		
	2TR	PC250	USS	20	1284274	04/23/15	84	OK					32MA	32MA						F	WL		
NEWRELAY	1TR	PC250	USS	20	B0603105	04/23/15	2010	OK					34MA	34MA						F	WL		
	75CTR	PC250	USS		2384217	04/23/15	84	OK					4.1V	75C						F	WL		
	180CTR	PC250	USS		584505	04/23/15	0	OK					4.8V	180C						F	WL		

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Signature of maintainer performing tests

Date

4/23/15

AMTRAK
INSTRUMENT RECORD

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									Dropaway		Pickup		Working current or voltage		Pickup							Working current or voltage	
									Normal	Reverse	Normal	Reverse	Normal	Reverse	Normal	Reverse						Normal	Reverse
	1FLCR	DN11	USS	1000	H12787	04/25/13	89	OK	3.20		4.4V		4.4V						F	WL			
	1FLR	FN16A	USS	500	L757553	04/25/13	89	OK					10V	59FP M					F	WL			
	834-1HFPR	DN11	USS	1000	H50816	04/25/13	89	OK	3.1V		5.0V		5.0V						F	WL			
	1DSWM	DN11	USS	1000	L381320	04/25/13	89	OK	3.2V		5.1V		5.1V						F	WL			
	1DSEM	DN11	USS	1000	H92367	04/25/13	89	OK	4.1V		6.1V		6.1V						F	WL			
	1TCCR	DN22A	USS	2000	B1094485	04/25/13	94	OK	3.2V		6.4V		6.4V						F	WL			
	1CCR	DN11	USS	1000	L927823	04/25/13	89	OK	2.9V		4.4V		4.4V						F	WL			
	2DSWM	DN11	USS	1000	N32580	04/25/13	89	OK	2.8V		5.1V		5.1V						F	WL			
	2DSEM	DN11	USS	1000	531841	04/25/13	89	OK	3.3V		6.0V		6.0V						F	WL			
	2TCCR	DN22A	USS	2000	B1094487	04/25/13	94	OK	2.9V		5.3V		5.3V						F	WL			
	2CCR	DN11	USS	1000	M79040	04/25/13	89	OK	2.9V		6.1V		6.1V						F	WL			

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Signature of maintainer performing tests

Date

4/25/13

(Signature of Inspector)

Title

Date

Inspector 5/22/13

* Shop Test only

** Date indicates index registration plate verified for each plug-in relay

AMTRAK
INSTRUMENT RECORD

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									Dropaway		Pickup		Working current or voltage		Pickup							Working current or voltage	
									Normal	Reverse	Normal	Reverse	Normal	Reverse	Normal	Reverse						Normal	Reverse
	3DSWM	DN11	USS	1000	L32010	04/25/13	89	OK	3.1V		5.2v		5.2v						F	WL			
	3DSEM	DN11	USS	1000	M91803	04/25/13	89	OK	3.2V		5.3v		5.3v						F	WL			
	3TCCR	DN22A	USS	2000	B1094005	04/25/13	94	OK	3.0V		5.1v		5.1v						F	WL			
	3CCR	DN11	USS	1000	M92510	04/25/13	89	OK	3.0V		5.1v		5.1v						F	WL			
	4DSWM	DN11	USS	1000	L321060	04/25/13	89	OK	2.8V		5.0v		5.0v						F	WL			
	4DSEM	DN11	USS	1000	M95725	04/25/13	89	OK	3.4V		5.4v		5.4v						F	WL			
	4TCCR	DN22A	USS	2000	B1094003	04/25/13	94	OK	3.1V		5.3v		5.3v						F	WL			
	4CCR	DN11	USS	1000	N62876	04/25/13	89	OK	2.9V		5.1v		5.1v						F	WL			

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[Redacted Signature]

4/25/13
Date

[Redacted Signature]

JNSP
Title

5/22/13
Date

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AMTRAK
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									Dropaway		Pickup		Working current or voltage		Pickup							Working current or voltage	
									Normal	Reverse	Normal	Reverse	Normal	Reverse	Normal	Reverse						Normal	Reverse
	1TFPR	PN150B E	USS	60	3281248	04/25/13	84	OK	9MA		13MA		13MA						F	WL			
	1TBPR	PN150B	USS	100	3883176	04/25/13	81	OK	12MA		21MA		21MA						F	WL			
	1TFBPR	PN150B	USS	100	3883051	04/25/13	83	OK	12MA		22MA		22MA						F	WL			
	1TPR	PN258B	USS	2000	1185162	04/25/13	83	OK	4.4V		9.1V		9.1V						F	WL			
	1T2PR	PN250B	USS	1000	4383614	04/25/13	85	OK	4.1V		7.7V		7.7V						F	WL			
	1ADR	PN250B E	USS	55	1384050	04/25/13	84	OK	12MA		20MA		20MA						F	WL			
	1BDR	PN250B E	USS	55	4683446	04/25/13	83	OK	11MA		19MA		19MA						F	WL			

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4/25/13
Date


(Signature of person performing tests)

Insp
Title

5/22/13
Date


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									Dropaway		Pickup		Working current or voltage		Pickup							Working current or voltage	
									Normal	Reverse	Normal	Reverse	Normal	Reverse	Normal	Reverse						Normal	Reverse
	2TFPR	PN150B	USS	60	3881009	04/26/13	81	OK	8MA		16MA		16MA						F	WL			
	2TBPR	PN150B	USS	100	2583450	04/26/13	83	OK	18MA		21MA		21MA						F	WL			
	2TFBPR	PN150B	USS	100	3883123	04/26/13	83	OK	14MA		20MA		20MA						F	WL			
	2TPR	PN258B	USS	2000	2781544	04/26/13	81	OK	4.5V		8.6V		8.6V						F	WL			
	2T2PR	PN250B	USS	1000	4383503	04/26/13	83	OK	4.3V		7.9V		7.9V						F	WL			
	2ADR	PN250B	USS	55	4683515	04/26/13	83	OK	11MA		19MA		19MA						F	WL			
	2BDR	PN250B	USS	55	1184383	04/26/13	84	OK	11MA		20MA		20MA						F	WL			

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 tests

4/26/13
Date


(Signed - Supervisor reviewing tests)

INSO
Title

5/22/13
Date

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AMTRAK
INSTRUMENT RECORD

Date of Installed or Transferred	Location with designating or track number	Type or Model	Mfr	Resistance	Serial Number	Dates Tested	Date overhauled	Initial charge	Neutral				Polar				Maximum contact resistance	* Local voltage	* contact opening	Shop or field test	Inspector		
									Dropaway		Pickup		Working current or voltage		Pickup							Working current or voltage	
									Normal	Reverse	Normal	Reverse	Normal	Reverse	Normal	Reverse						Normal	Reverse
	3TFPR	PN150B E	USS	60	3281573	04/26/13	81	OK	8MA		14MA		14MA						F	WL			
	3TBPR	PN150B	USS	100	3883214	04/26/13	83	OK	12MA		20MA		20MA						F	WL			
	3TFBPR	PN150B	USS	100	3883057	04/26/13	83	OK	12MA		20MA		20MA						F	WL			
	3TPR	PN258B	USS	2000	4181077	04/26/13	81	OK	4.4V		7.5V		7.5V						F	WL			
	3T2PR	PN250B	USS	1000	4283005	04/26/13	83	OK	4.5V		7.8V		7.8V						F	WL			
	3ADR	PN250B E	USS	55	3184135	04/26/13	84	OK	11MA		18MA		18MA						F	WL			
	3BDR	PN250B E	USS	55	1184342	04/26/13	84	OK	12MA		19MA		19MA						F	WL			

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 [Redacted Signature] _____
 (Signed - Department Following Date)

4/26/13
 Date
 JNSP
 Title
 5/02/13
 Date

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									Dropaway		Pickup		Working current or voltage		Pickup							Working current or voltage	
									Normal	Reverse	Normal	Reverse	Normal	Reverse	Normal	Reverse						Normal	Reverse
	4TFPR	PN150B E	60	USS	1484151	04/26/13	84	OK	8MA		13MA		13MA						F	WL			
	4TBPR	PN150B	100	USS	3883027	04/26/13	83	OK	11MA		20MA		20MA						F	WL			
	4TFBPR	PN150B	100	USS	2583477	04/26/13	83	OK	12MA		21MA		21MA						F	WL			
	4TPR	PN258B	2000	USS	1185166	04/26/13	85	OK	4.1V		8.2V		8.2V						F	WL			
	4T2PR	PN250B	1000	USS	4383587	04/26/13	83	OK	4.2V		7.1V		7.1V						F	WL			
	4ADR	PN250B E	55	USS	1684025	04/26/13	84	OK	11MA		19MA		19MA						F	WL			
	4BDR	PN250B E	55	USS	2184038	04/26/13	84	OK	12MA		20MA		20MA						F	WL			

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ZNSP
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