

DCA-11-FR-002
BNSF Coal Train – Work Train Collision
Red Oak, IA
April 17, 2011

ATTACHMENT 21

4475-4535 Relay Tests and Inspections



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: BAANX5D
Subdivision: CRESTON	Test Date: 10/04/2005
Location / Highway Name: Mc Pherson	
County: MONTGOMERY	State: IA
Milepost (with Line Segment): 1 447.50 - 447.50	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

Conditions Master Key

C = Test completed, condition left in compliance.
 R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
 V = Visual inspection completed, condition left in compliance.
 NT = The equipment was not tested in this inspection.
 N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name AE	Relay Name LA-LOR	Serial Number L589966	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB	Date Tested 10/04/2005
Neutral Dropaway 0.1340 A AC		Neutral Pickup 0.3400 A AC		Neutral Working 0.3400 A AC
Shelf Name AE	Relay Name LB-LOR	Serial Number L589972	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB	Date Tested 10/04/2005
Neutral Dropaway 0.1340 A AC		Neutral Pickup 0.3460 A AC		Neutral Working 0.3460 A AC
Shelf Name AE	Relay Name RA-LOR	Serial Number L589974	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB	Date Tested 10/04/2005
Neutral Dropaway 0.1640 A AC		Neutral Pickup 0.3850 A AC		Neutral Working 0.3850 A AC
Shelf Name AE	Relay Name RB-LOR	Serial Number L589934	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB	Date Tested 10/04/2005
Neutral Dropaway 0.1450 A AC		Neutral Pickup 0.3500 A AC		Neutral Working 0.3500 A AC
Shelf Name AH	Relay Name POPR	Serial Number L893033	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B	Date Tested 10/04/2005
Neutral Dropaway 0.0087 A DC		Neutral Pickup 0.0113 A DC		Neutral Working 0.0113 A DC
Shelf Name AH	Relay Name POR	Serial Number L686594	Condition Left V	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 10/04/2005
Shelf Name AAC	Relay Name XMPR	Serial Number L610829	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested 10/04/2005
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0113 A DC		Neutral Working 0.0113 A DC
Shelf Name AAC	Relay Name TER	Serial Number L894478	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150T (N322523-307 / 4F6)		Resistance (Ohms)	Contacts 2F	Date Tested 10/04/2005
Shelf Name AAC	Relay Name LMR	Serial Number L610853	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested 10/04/2005
Neutral Dropaway 0.0061 A DC		Neutral Pickup 0.0113 A DC		Neutral Working 0.0113 A DC

Relay Tests (FRA 234.263, 236.106)

Shelf Name AAC	Relay Name RMR	Serial Number L610852	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0064 A DC		Neutral Working 0.0113 A DC	
Shelf Name AAC	Relay Name MPR	Serial Number L607814	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0063 A DC		Neutral Working 0.0098 A DC	
Shelf Name AAC	Relay Name WPR	Serial Number L607452	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150BD (N322504-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 3FB-N 3FB-R
Neutral Dropaway 0.0044 A DC		Neutral Working 0.0127 A DC	
Shelf Name AAD	Relay Name 1A-TR	Serial Number L619375	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Neutral Dropaway 0.0730 A DC		Neutral Working 0.1220 A DC	
Shelf Name AAD	Relay Name 1-TR	Serial Number L319376	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Neutral Dropaway 0.0790 A DC		Neutral Working 0.1230 A DC	
Shelf Name AAD	Relay Name THR	Serial Number 3479D01	Condition Left V
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-003)		Resistance (Ohms) 10 Volt	Contacts 1F-1CB
Shelf Name AAD	Relay Name TPR	Serial Number L894371	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Neutral Dropaway 0.0078 A DC		Neutral Working 0.0114 A DC	
Shelf Name AAD	Relay Name NWCR	Serial Number L893014	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Neutral Dropaway 0.0082 A DC		Neutral Working 0.0114 A DC	
Shelf Name AAD	Relay Name RWCR	Serial Number L894391	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Neutral Dropaway 0.0076 A DC		Neutral Working 0.0114 A DC	
Shelf Name AAE	Relay Name W TR	Serial Number L901814	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0067 A DC		Neutral Working 0.0108 A DC	
Shelf Name AAE	Relay Name E TR	Serial Number L700704	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0068 A DC		Neutral Working 0.0106 A DC	
Shelf Name AAE	Relay Name 2W TR	Serial Number L902490	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0068 A DC		Neutral Working 0.0108 A DC	

Relay Tests (FRA 234.263, 236.106)

Shelf Name AAE	Relay Name WR	Serial Number L896981	Condition Left C
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR
Polar Normal Pickup 0.0240 A DC		Polar Normal Working 0.0240 A DC	Polar Reverse Pickup 0.0205 A DC
Polar Reverse Working 0.0205 A DC			
Shelf Name AAE	Relay Name WPR	Serial Number L4079303	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD
Neutral Dropaway 0.0127 A DC		Neutral Pickup 0.0206 A DC	Neutral Working 0.0206 A DC
Shelf Name AAE	Relay Name OR	Serial Number L905603	Condition Left V
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Date Tested 10/04/2005			
Shelf Name AAF	Relay Name WB HR	Serial Number L761594	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested 10/04/2005			
Neutral Dropaway 0.0093 A DC		Neutral Pickup 0.0127 A DC	Neutral Working 0.0127 A DC
Shelf Name AAF	Relay Name E HR	Serial Number L770091	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested 10/04/2005			
Neutral Dropaway 0.0074 A DC		Neutral Pickup 0.0122 A DC	Neutral Working 0.0122 A DC
Shelf Name AAF	Relay Name WB DR	Serial Number L891534	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested 10/04/2005			
Neutral Dropaway 0.0073 A DC		Neutral Pickup 0.0108 A DC	Neutral Working 0.0108 A DC
Shelf Name AAF	Relay Name E DR	Serial Number L623229	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested 10/04/2005			
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0107 A DC	Neutral Working 0.0122 A DC
Shelf Name AAG	Relay Name LB GY GPR	Serial Number L623208	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested 10/04/2005			
Neutral Dropaway 0.0066 A DC		Neutral Pickup 0.0112 A DC	Neutral Working 0.0112 A DC
Shelf Name AAG	Relay Name LA GY GPR	Serial Number L610869	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested 10/04/2005			
Neutral Dropaway 0.0073 A DC		Neutral Pickup 0.0122 A DC	Neutral Working 0.0122 A DC
Shelf Name AAG	Relay Name L R GPR	Serial Number L610854	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested 10/04/2005			
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0108 A DC	Neutral Working 0.0108 A DC
Shelf Name AAG	Relay Name WA DR	Serial Number L608653	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested 10/04/2005			
Neutral Dropaway 0.0083 A DC		Neutral Pickup 0.0114 A DC	Neutral Working 0.0114 A DC
Shelf Name AAG	Relay Name WA HR	Serial Number L606170	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested 10/04/2005			
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0111 A DC	Neutral Working 0.0111 A DC

Relay Tests (FRA 234.263, 236.106)

Shelf Name AAH	Relay Name R R GPR	Serial Number L607809	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0063 A DC		Neutral Working 0.0103 A DC	
Shelf Name AAH	Relay Name RB GY GPR	Serial Number L607811	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0062 A DC		Neutral Working 0.0097 A DC	
Shelf Name AAH	Relay Name RA GY GPR	Serial Number L608649	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0073 A DC		Neutral Working 0.0123 A DC	
Shelf Name AAI	Relay Name L RR	Serial Number L891305	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Neutral Dropaway 0.0122 A DC		Neutral Working 0.0206 A DC	
Shelf Name AAI	Relay Name R RR	Serial Number L908038	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Neutral Dropaway 0.0128 A DC		Neutral Working 0.0215 A DC	
Shelf Name AAI	Relay Name LA FR	Serial Number L908039	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Neutral Dropaway 0.0128 A DC		Neutral Working 0.0223 A DC	
Shelf Name AAI	Relay Name LB FR	Serial Number L908040	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Neutral Dropaway 0.0117 A DC		Neutral Working 0.0197 A DC	
Shelf Name AAI	Relay Name R FR	Serial Number L908031	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Neutral Dropaway 0.0135 A DC		Neutral Working 0.0217 A DC	
Shelf Name AAI	Relay Name L AR	Serial Number L610875	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0063 A DC		Neutral Working 0.0108 A DC	
Shelf Name AAI	Relay Name RA AR	Serial Number L610850	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0064 A DC		Neutral Working 0.0112 A DC	
Shelf Name AAI	Relay Name RB AR	Serial Number L610872	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0068 A DC		Neutral Working 0.0117 A DC	



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: BAANX5D
Subdivision: CRESTON	Test Date: 09/24/2007
Location / Highway Name: Mc Pherson	
County: MONTGOMERY	State: IA
Milepost (with Line Segment): 1 447.50 - 447.50	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

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- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)			
Shelf Name AE	Relay Name LA-LOR	Serial Number L589966	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB
Date Tested			
Shelf Name AE	Relay Name LB-LOR	Serial Number L589972	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB
Date Tested			
Shelf Name AE	Relay Name RA-LOR	Serial Number L589974	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB
Date Tested			
Shelf Name AE	Relay Name RB-LOR	Serial Number L589934	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB
Date Tested			
Shelf Name AH	Relay Name POPR	Serial Number L893033	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Date Tested			
Shelf Name AH	Relay Name POR	Serial Number L686594	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD
Date Tested			
Shelf Name AAC	Relay Name XMPR	Serial Number L610829	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAC	Relay Name TER	Serial Number L894478	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150T (N322523-307 / 4F6)		Resistance (Ohms)	Contacts 2F
Date Tested			
Shelf Name AAC	Relay Name LMR	Serial Number L610853	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAC	Relay Name RMR	Serial Number L610852	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAC	Relay Name MPR	Serial Number L607814	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAC	Relay Name WPR	Serial Number L607452	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BD (N322504-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 3FB-N 3FB-R
Date Tested			
Shelf Name AAD	Relay Name 1A-TR	Serial Number L619375	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Date Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name AAD	Relay Name 1-TR	Serial Number L319376	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Date Tested			
Shelf Name AAD	Relay Name THR	Serial Number 3479D01	Condition Left N
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-003)		Resistance (Ohms) 10 Volt	Contacts 1F-1CB
Date Tested			
Shelf Name AAD	Relay Name TPR	Serial Number L894371	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Date Tested			
Shelf Name AAD	Relay Name NWCR	Serial Number L893014	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Date Tested			
Shelf Name AAD	Relay Name RWCR	Serial Number L894391	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Date Tested			
Shelf Name AAE	Relay Name W TR	Serial Number L901814	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAE	Relay Name E TR	Serial Number L700704	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAE	Relay Name 2W TR	Serial Number L902490	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAE	Relay Name WR	Serial Number L896981	Condition Left C
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR
Date Tested	09/24/2007		
Polar Normal Pickup 0.0233 A DC	Polar Normal Working 0.0233 A DC	Polar Reverse Pickup 0.0216 A DC	Polar Reverse Working 0.0216 A DC
Shelf Name AAE	Relay Name WPR	Serial Number L4079303	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD
Date Tested			
Shelf Name AAE	Relay Name OR	Serial Number L905603	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Date Tested			
Shelf Name AAF	Relay Name WB HR	Serial Number L761594	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAF	Relay Name E HR	Serial Number L770091	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAF	Relay Name WB DR	Serial Number L891534	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAF	Relay Name E DR	Serial Number L623229	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAG	Relay Name LB GY GPR	Serial Number L623208	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAG	Relay Name LA GY GPR	Serial Number L610869	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name AAG	Relay Name L R GPR	Serial Number L610854	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAG	Relay Name WA DR	Serial Number L608653	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAG	Relay Name WA HR	Serial Number L606170	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAH	Relay Name R R GPR	Serial Number L607809	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAH	Relay Name RB GY GPR	Serial Number L607811	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAH	Relay Name RA GY GPR	Serial Number L608649	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAI	Relay Name L RR	Serial Number L891305	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Date Tested			
Shelf Name AAI	Relay Name R RR	Serial Number L908038	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Date Tested			
Shelf Name AAI	Relay Name LA FR	Serial Number L908039	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Date Tested			
Shelf Name AAI	Relay Name LB FR	Serial Number L908040	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Date Tested			
Shelf Name AAI	Relay Name R FR	Serial Number L908031	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Date Tested			
Shelf Name AAI	Relay Name L AR	Serial Number L610875	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAI	Relay Name RA AR	Serial Number L610850	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAI	Relay Name RB AR	Serial Number L610872	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: BAANX5D
Subdivision: CRESTON	Test Date: 09/24/2007
Location / Highway Name: Mc Pherson	
County: MONTGOMERY	State: IA
Milepost (with Line Segment): 1 447.50 - 447.50	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

Conditions Master Key

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- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)			
Shelf Name AE	Relay Name LA-LOR	Serial Number L589966	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB
Date Tested			
Shelf Name AE	Relay Name LB-LOR	Serial Number L589972	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB
Date Tested			
Shelf Name AE	Relay Name RA-LOR	Serial Number L589974	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB
Date Tested			
Shelf Name AE	Relay Name RB-LOR	Serial Number L589934	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB
Date Tested			
Shelf Name AH	Relay Name POPR	Serial Number L893033	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Date Tested			
Shelf Name AH	Relay Name POR	Serial Number L686594	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD
Date Tested	09/24/2007		
Neutral Dropaway 4.5000 V AC		Neutral Pickup 8.7000 V AC	Neutral Working 8.7000 V AC
Shelf Name AAC	Relay Name XMPR	Serial Number L610829	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAC	Relay Name TER	Serial Number L894478	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150T (N322523-307 / 4F6)		Resistance (Ohms)	Contacts 2F
Date Tested			
Shelf Name AAC	Relay Name LMR	Serial Number L610853	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAC	Relay Name RMR	Serial Number L610852	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAC	Relay Name MPR	Serial Number L607814	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAC	Relay Name WPR	Serial Number L607452	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BD (N322504-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 3FB-N 3FB-R
Date Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name AAD	Relay Name 1A-TR	Serial Number L619375	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Date Tested			
Shelf Name AAD	Relay Name 1-TR	Serial Number L319376	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Date Tested			
Shelf Name AAD	Relay Name THR	Serial Number 3479D01	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-003)		Resistance (Ohms) 10 Volt	Contacts 1F-1CB
Date Tested			
Shelf Name AAD	Relay Name TPR	Serial Number L894371	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Date Tested			
Shelf Name AAD	Relay Name NWCR	Serial Number L893014	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Date Tested			
Shelf Name AAD	Relay Name RWCR	Serial Number L894391	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Date Tested			
Shelf Name AAE	Relay Name W TR	Serial Number L901814	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAE	Relay Name E TR	Serial Number L700704	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAE	Relay Name 2W TR	Serial Number L902490	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAE	Relay Name WR	Serial Number L896981	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR
Date Tested			
Shelf Name AAE	Relay Name WPR	Serial Number L4079303	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD
Date Tested			
Shelf Name AAE	Relay Name OR	Serial Number L905603	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Date Tested			
Shelf Name AAF	Relay Name WB HR	Serial Number L761594	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAF	Relay Name E HR	Serial Number L770091	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAF	Relay Name WB DR	Serial Number L891534	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAF	Relay Name E DR	Serial Number L623229	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAG	Relay Name LB GY GPR	Serial Number L623208	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			
Shelf Name AAG	Relay Name LA GY GPR	Serial Number L610869	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Date Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name AAG	Relay Name L R GPR	Serial Number L610854	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Shelf Name AAG	Relay Name WA DR	Serial Number L608653	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Shelf Name AAG	Relay Name WA HR	Serial Number L606170	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Shelf Name AAH	Relay Name R R GPR	Serial Number L607809	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Shelf Name AAH	Relay Name RB GY GPR	Serial Number L607811	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Shelf Name AAH	Relay Name RA GY GPR	Serial Number L608649	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Shelf Name AAI	Relay Name L RR	Serial Number L891305	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Shelf Name AAI	Relay Name R RR	Serial Number L908038	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Shelf Name AAI	Relay Name LA FR	Serial Number L908039	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Shelf Name AAI	Relay Name LB FR	Serial Number L908040	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Shelf Name AAI	Relay Name R FR	Serial Number L908031	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Shelf Name AAI	Relay Name L AR	Serial Number L610875	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Shelf Name AAI	Relay Name RA AR	Serial Number L610850	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Shelf Name AAI	Relay Name RB AR	Serial Number L610872	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: BAANX5D
Subdivision: CRESTON	Test Date: 08/12/2009
Location / Highway Name: Mc Pherson	State: IA
County: MONTGOMERY	PARS Number: SINS0199
Milepost (with Line Segment): 1 447.50 - 447.50	
Employee's Name: Larry Drake (ldrake)	

Conditions Master Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name AE	Relay Name LA-LOR	Serial Number L589966	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB	Date Tested 08/14/2009
Neutral Dropaway 0.1600 A AC		Neutral Pickup 0.7700 A AC		Neutral Working 0.6280 A AC
Shelf Name AE	Relay Name LB-LOR	Serial Number L589972	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB	Date Tested 08/14/2009
Neutral Dropaway 0.1390 A AC		Neutral Pickup 0.7700 A AC		Neutral Working 0.5790 A AC
Shelf Name AE	Relay Name RA-LOR	Serial Number L589974	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB	Date Tested 08/14/2009
Neutral Dropaway 0.1420 A AC		Neutral Pickup 0.7700 A AC		Neutral Working 0.7270 A AC
Shelf Name AE	Relay Name RB-LOR	Serial Number L589934	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 0.3	Contacts 3FB	Date Tested 08/14/2009
Neutral Dropaway 0.1400 A AC		Neutral Pickup 0.7700 A AC		Neutral Working 0.6980 A AC
Shelf Name AH	Relay Name POR	Serial Number L686594	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 08/14/2009
Neutral Dropaway 4.9000 V AC		Neutral Pickup 9.9000 V AC		Neutral Working 8.7500 V AC
Shelf Name AH	Relay Name POPR	Serial Number L893033	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B	Date Tested 08/14/2009
Neutral Dropaway 0.0080 A DC		Neutral Pickup 0.0114 A DC		Neutral Working 0.0112 A DC
Shelf Name AAC	Relay Name XMPR	Serial Number L610829	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested 08/14/2009
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0132 A DC		Neutral Working 0.0117 A DC
Shelf Name AAC	Relay Name TER	Serial Number L894478	Condition Left V	
Relay Type (Drawing and/or Catalog Number) PN-150T (N322523-307 / 4F6)		Resistance (Ohms)	Contacts 2F	Date Tested 08/12/2009
Shelf Name AAC	Relay Name LMR	Serial Number L610853	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested 08/12/2009
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0132 A DC		Neutral Working 0.0119 A DC

Relay Tests (FRA 234.263, 236.106)

Shelf Name AAC	Relay Name RMR	Serial Number L610852	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0064 A DC		Neutral Working 0.0119 A DC	
Shelf Name AAC	Relay Name MPR	Serial Number L607814	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0057 A DC		Neutral Working 0.0103 A DC	
Shelf Name AAC	Relay Name WPR	Serial Number L607452	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150BD (N322504-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 3FB-N 3FB-R
Neutral Dropaway 0.0052 A DC		Neutral Working 0.0115 A DC	
Shelf Name AAD	Relay Name 1A-TR	Serial Number L619375	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Neutral Dropaway 0.0760 A DC		Neutral Working 0.1240 A DC	
Shelf Name AAD	Relay Name 1-TR	Serial Number L319376	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Neutral Dropaway 0.0820 A DC		Neutral Working 0.1180 A DC	
Shelf Name AAD	Relay Name THR	Serial Number 3479D01	Condition Left V
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-003)		Resistance (Ohms) 10 Volt	Contacts 1F-1CB
Shelf Name AAD	Relay Name TPR	Serial Number L894371	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Neutral Dropaway 0.0064 A DC		Neutral Working 0.0112 A DC	
Shelf Name AAD	Relay Name NWCR	Serial Number L893014	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Neutral Dropaway 0.0077 A DC		Neutral Working 0.0106 A DC	
Shelf Name AAD	Relay Name RWCR	Serial Number L894391	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B
Neutral Dropaway 0.0076 A DC		Neutral Working 0.0112 A DC	
Shelf Name AAE	Relay Name W TR	Serial Number L901814	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0064 A DC		Neutral Working 0.0106 A DC	
Shelf Name AAE	Relay Name E TR	Serial Number L700704	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0066 A DC		Neutral Working 0.0108 A DC	
Shelf Name AAE	Relay Name 2W TR	Serial Number L902490	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0066 A DC		Neutral Working 0.0111 A DC	

Relay Tests (FRA 234.263, 236.106)

Shelf Name AAE	Relay Name WR	Serial Number L896981	Condition Left C
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR Date Tested 08/12/2009
Polar Normal Pickup 0.0253 A DC	Polar Normal Working 0.0208 A DC	Polar Reverse Pickup 0.0253 A DC	Polar Reverse Working 0.0227 A DC
Shelf Name AAE	Relay Name WPR	Serial Number L4079303	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD Date Tested 08/12/2009
Neutral Dropaway 0.0127 A DC		Neutral Pickup 0.0209 A DC	Neutral Working 0.0208 A DC
Shelf Name AAE	Relay Name OR	Serial Number L905603	Condition Left V
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C Date Tested 08/12/2009
Shelf Name AAF	Relay Name E DR	Serial Number L623229	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B Date Tested 08/12/2009
Neutral Dropaway 0.0069 A DC		Neutral Pickup 0.0132 A DC	Neutral Working 0.0113 A DC
Shelf Name AAF	Relay Name E HR	Serial Number L770091	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B Date Tested 08/12/2009
Neutral Dropaway 0.0074 A DC		Neutral Pickup 0.0132 A DC	Neutral Working 0.0122 A DC
Shelf Name AAF	Relay Name WB DR	Serial Number L891534	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B Date Tested 08/12/2009
Neutral Dropaway 0.0065 A DC		Neutral Pickup 0.0132 A DC	Neutral Working 0.0109 A DC
Shelf Name AAF	Relay Name WB HR	Serial Number L761594	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B Date Tested 08/12/2009
Neutral Dropaway 0.0075 A DC		Neutral Pickup 0.0132 A DC	Neutral Working 0.0122 A DC
Shelf Name AAG	Relay Name LB GY GPR	Serial Number L623208	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B Date Tested 08/12/2009
Neutral Dropaway 0.0063 A DC		Neutral Pickup 0.0132 A DC	Neutral Working 0.0105 A DC
Shelf Name AAG	Relay Name LA GY GPR	Serial Number L610869	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B Date Tested 08/12/2009
Neutral Dropaway 0.0071 A DC		Neutral Pickup 0.0132 A DC	Neutral Working 0.0119 A DC
Shelf Name AAG	Relay Name L R GPR	Serial Number L610854	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B Date Tested 08/12/2009
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0132 A DC	Neutral Working 0.0114 A DC
Shelf Name AAG	Relay Name WA DR	Serial Number L608653	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B Date Tested 08/12/2009
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0132 A DC	Neutral Working 0.0125 A DC
Shelf Name AAG	Relay Name WA HR	Serial Number L606170	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B Date Tested 08/12/2009
Neutral Dropaway 0.0067 A DC		Neutral Pickup 0.0132 A DC	Neutral Working 0.0121 A DC

Relay Tests (FRA 234.263, 236.106)

Shelf Name AAH	Relay Name RA GY GPR	Serial Number L608649	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0073 A DC		Neutral Working 0.0127 A DC	
Shelf Name AAH	Relay Name RB GY GPR	Serial Number L607811	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0056 A DC		Neutral Working 0.0103 A DC	
Shelf Name AAH	Relay Name R R GPR	Serial Number L607809	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0056 A DC		Neutral Working 0.0108 A DC	
Shelf Name AAI	Relay Name L RR	Serial Number L891305	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Neutral Dropaway 0.0104 A DC		Neutral Working 0.0211 A DC	
Shelf Name AAI	Relay Name R RR	Serial Number L908038	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Neutral Dropaway 0.0125 A DC		Neutral Working 0.0218 A DC	
Shelf Name AAI	Relay Name LA FR	Serial Number L908039	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Neutral Dropaway 0.0115 A DC		Neutral Working 0.0212 A DC	
Shelf Name AAI	Relay Name LB FR	Serial Number L908040	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Neutral Dropaway 0.0111 A DC		Neutral Working 0.0212 A DC	
Shelf Name AAI	Relay Name R FR	Serial Number L908031	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)		Resistance (Ohms) 100	Contacts 6FB
Neutral Dropaway 0.0123 A DC		Neutral Working 0.0225 A DC	
Shelf Name AAI	Relay Name L AR	Serial Number L610875	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0063 A DC		Neutral Working 0.0111 A DC	
Shelf Name AAI	Relay Name RA AR	Serial Number L610850	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0062 A DC		Neutral Working 0.0115 A DC	
Shelf Name AAI	Relay Name RB AR	Serial Number L610872	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B
Neutral Dropaway 0.0064 A DC		Neutral Working 0.0119 A DC	



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: BAAN2WW
Subdivision: CRESTON	Test Date: 07/14/2004
Location / Highway Name: EAST EMERSON HT SWCC M2	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.70 - 451.70	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

NOTE: This test was sent in an inordinate amount of time after the date on which it was performed. As such, this is likely a startup test. You may want to check into paper records for more accurate information about this test, or contact RailDOCS Support at CompProb@RailDOCS.net if you think this is not correct.

Conditions Master Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name 1	Relay Name O TR	Serial Number L782283	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0109 A DC		Neutral Working 0.0109 A DC
Shelf Name 1	Relay Name 1T NWLPPR	Serial Number L607855	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0067 A DC		Neutral Pickup 0.0109 A DC		Neutral Working 0.0109 A DC
Shelf Name 1	Relay Name 1T NWLPR	Serial Number L701777	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0063 A DC		Neutral Pickup 0.0098 A DC		Neutral Working 0.0098 A DC
Shelf Name 1	Relay Name WLB	Serial Number L689241	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0063 A DC		Neutral Pickup 0.0108 A DC		Neutral Working 0.0108 A DC
Shelf Name 1	Relay Name TR	Serial Number L705726	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested 07/14/2004
Neutral Dropaway 0.0800 A DC		Neutral Pickup 0.1140 A DC		Neutral Working 0.1140 A DC
Shelf Name 1	Relay Name TER	Serial Number 44401P040	Condition Left V	
Relay Type (Drawing and/or Catalog Number) B2 (50800-101 GR.1 / A62-691)		Resistance (Ohms)	Contacts 2FB-3F-2B	Date Tested 07/14/2004
Shelf Name 1	Relay Name WL	Serial Number 1746	Condition Left C	
Relay Type (Drawing and/or Catalog Number) 9B		Resistance (Ohms) 200	Contacts	Date Tested 07/14/2004
Neutral Dropaway 0.0048 A DC		Neutral Pickup 0.0249 A DC		Neutral Working 0.0249 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: BAAN2WW
Subdivision: CRESTON	Test Date: 06/19/2008
Location / Highway Name: EAST EMERSON HT SWCC M2	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.70 - 451.70	
Employee's Name: Larry Drake (ldrake)	PARS Number: SINS0199

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name 1	Relay Name O TR	Serial Number L782283	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0055 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0124 A DC
Shelf Name 1	Relay Name 1T NWLPPR	Serial Number L607855	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0055 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0117 A DC
Shelf Name 1	Relay Name 1T NWLPR	Serial Number L701777	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0066 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0132 A DC
Shelf Name 1	Relay Name WLB	Serial Number L689241	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0115 A DC
Shelf Name 1	Relay Name TR	Serial Number L705726	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested 06/19/2008
Neutral Dropaway 0.0750 A DC		Neutral Pickup 0.1441 A DC		Neutral Working 0.1125 A DC
Shelf Name 1	Relay Name TER	Serial Number 44401P040	Condition Left V	
Relay Type (Drawing and/or Catalog Number) B2 (50800-101 GR.1 / A62-691)		Resistance (Ohms)	Contacts 2FB-3F-2B	Date Tested 06/19/2008
Shelf Name 1	Relay Name WL	Serial Number 1746	Condition Left C	
Relay Type (Drawing and/or Catalog Number) 9B		Resistance (Ohms) 200	Contacts	Date Tested 06/19/2008
Neutral Dropaway 0.0029 A DC		Neutral Pickup 0.0310 A DC		Neutral Working 0.0300 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 07/14/2004
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

NOTE: This test was sent in an inordinate amount of time after the date on which it was performed. As such, this is likely a startup test. You may want to check into paper records for more accurate information about this test, or contact RailDOCS Support at CompProb@RailDOCS.net if you think this is not correct.

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name DB	Relay Name POR	Serial Number 2680287	Condition Left V	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-702-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 07/14/2004
Shelf Name DB	Relay Name XR	Serial Number B0585159	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0058 A DC		Neutral Pickup 0.0115 A DC		Neutral Working 0.0115 A DC
Shelf Name DB	Relay Name XRP	Serial Number 0481C60	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 4FB HD 2FB STD	Date Tested 07/14/2004
Neutral Dropaway 0.0058 A DC		Neutral Pickup 0.0103 A DC		Neutral Working 0.0103 A DC
Shelf Name DC	Relay Name TR	Serial Number L891420	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested 07/14/2004
Neutral Dropaway 0.0720 A DC		Neutral Pickup 0.1060 A DC		Neutral Working 0.1060 A DC
Shelf Name DC	Relay Name XGR	Serial Number 4484412	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322562-001)		Resistance (Ohms) 225	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0058 A DC		Neutral Pickup 0.0211 A DC		Neutral Working 0.0211 A DC
Shelf Name DD	Relay Name EOR	Serial Number 500642	Condition Left V	
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)		Resistance (Ohms) 60	Contacts 4FB	Date Tested 07/14/2004



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 07/31/2007
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

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- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name DB	Relay Name POR	Serial Number 2680287	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-702-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 07/31/2007
Neutral Dropaway 8.6300 V AC		Neutral Pickup 9.8900 V AC		Neutral Working 9.8900 V AC
Shelf Name DB	Relay Name XR	Serial Number B0585159	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name DB	Relay Name XRP	Serial Number 0481C60	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 4FB HD 2FB STD	Date Tested
Shelf Name DC	Relay Name TR	Serial Number L891420	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested
Shelf Name DC	Relay Name XGR	Serial Number 4484412	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322562-001)		Resistance (Ohms) 225	Contacts 6FB	Date Tested
Shelf Name DD	Relay Name EOR	Serial Number 500642	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)		Resistance (Ohms) 60	Contacts 4FB	Date Tested 07/31/2007
Neutral Dropaway 0.0280 A DC		Neutral Pickup 0.0720 A DC		Neutral Working 0.0720 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 08/07/2007
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

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Relay Tests (FRA 234.263, 236.106)			
Shelf Name	Relay Name	Serial Number	Condition Left
DC	TR	L891420	NT
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
DC	XGR	4484412	NT
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322562-001)		Resistance (Ohms) 225	Contacts 6FB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
DB	POR	2680287	NT
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-702-002)		Resistance (Ohms) 240	Contacts 4F-4BHD
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
DB	XR	B0585159	NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
DB	XRP	0481C60	NT
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 4FB HD 2FB STD
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
DB	EOR	38249I00	C
Relay Type (Drawing and/or Catalog Number) B1 (56001-985 GR.1 / A62-671)		Resistance (Ohms) 60	Contacts 4FB
Date Tested	08/07/2007		
Neutral Dropaway 0.0380 A DC		Neutral Pickup 0.0930 A DC	Neutral Working 0.0930 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 06/19/2008
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Larry Drake (ldrake)	PARS Number: SINS0199

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name DB	Relay Name POR	Serial Number 2680287	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-702-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 06/19/2008
Neutral Dropaway 4.4110 V AC		Neutral Pickup 9.9000 V AC		Neutral Working 9.8237 V AC
Shelf Name DB	Relay Name XR	Serial Number B0585159	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0056 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0127 A DC
Shelf Name DB	Relay Name XRP	Serial Number 0481C60	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 4FB HD 2FB STD	Date Tested 06/19/2008
Neutral Dropaway 0.0054 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0116 A DC
Shelf Name DC	Relay Name XGR	Serial Number 4484412	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322562-001)		Resistance (Ohms) 225	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0067 A DC		Neutral Pickup 0.0244 A DC		Neutral Working 0.0241 A DC
Shelf Name DC	Relay Name TR	Serial Number L891420	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested 06/19/2008
Neutral Dropaway 0.0690 A DC		Neutral Pickup 0.1441 A DC		Neutral Working 0.1300 A DC
Shelf Name DD	Relay Name EOR	Serial Number 500642	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)		Resistance (Ohms) 60	Contacts 4FB	Date Tested 06/19/2008
Neutral Dropaway 0.0219 A DC		Neutral Pickup 0.0770 A DC		Neutral Working 0.0764 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 11/04/2010
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Larry Cassity (lcassity)	PARS Number: SINS0199

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Relay Tests (FRA 234.263, 236.106)			
Shelf Name DB	Relay Name XR	Serial Number B0585159	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name DB	Relay Name XRP	Serial Number 0481C60	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 4FB HD 2FB STD
Date Tested			
Shelf Name DB	Relay Name POR	Serial Number 2680237	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD
Date Tested 11/04/2010			
Neutral Dropaway 7.5000 V AC		Neutral Pickup 9.2000 V AC	Neutral Working 9.2000 V AC
Shelf Name DC	Relay Name XGR	Serial Number 4484412	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322562-001)		Resistance (Ohms) 225	Contacts 6FB
Date Tested			
Shelf Name DC	Relay Name TR	Serial Number L891420	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Date Tested			
Shelf Name DD	Relay Name EOR	Serial Number 500642	Condition Left NT
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)		Resistance (Ohms) 60	Contacts 4FB
Date Tested			



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 11/15/2010
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Larry Cassity (lcassity)	PARS Number: SINS0199

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name DB	Relay Name POR	Serial Number 9508584	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400800 / 400800)		Resistance (Ohms) 100/100	Contacts 6FB HD	Date Tested 11/15/2010
Neutral Dropaway 7.2000 V AC		Neutral Pickup 9.0000 V AC		Neutral Working 9.0000 V AC
Shelf Name DB	Relay Name XR	Serial Number 56383R129	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 11/15/2010
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0109 A DC		Neutral Working 0.0109 A DC
Shelf Name DB	Relay Name EOR	Serial Number 500642	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)		Resistance (Ohms) 60	Contacts 4FB	Date Tested 11/17/2010
Neutral Dropaway 0.0406 A DC		Neutral Pickup 0.0707 A DC		Neutral Working 0.0707 A DC
Shelf Name DB	Relay Name XRP	Serial Number 9610162	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400021 / 400021)		Resistance (Ohms) 200	Contacts 2B HD, 2FB	Date Tested 11/15/2010
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0181 A DC		Neutral Working 0.0181 A DC
Shelf Name DB	Relay Name XGR	Serial Number 735309	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-774 GR.1 / A62-360)		Resistance (Ohms) 194	Contacts 4FB	Date Tested 11/15/2010
Neutral Dropaway 0.0054 A DC		Neutral Pickup 0.0276 A DC		Neutral Working 0.0276 A DC
Shelf Name DB	Relay Name ISL TR	Serial Number 9803987	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 11/15/2010
Neutral Dropaway 0.0847 A DC		Neutral Pickup 0.1637 A DC		Neutral Working 0.1637 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: BAAN20S
Subdivision: CRESTON	Test Date: 07/14/2004
Location / Highway Name: CABINET WEST HT EMERSON	
County: MILLS	State: IA
Milepost (with Line Segment): 1 452.10 - 452.10	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

NOTE: This test was sent in an inordinate amount of time after the date on which it was performed. As such, this is likely a startup test. You may want to check into paper records for more accurate information about this test, or contact RailDOCS Support at CompProb@RailDOCS.net if you think this is not correct.

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name 1	Relay Name O TR	Serial Number L610905	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0119 A DC		Neutral Working 0.0119 A DC
Shelf Name 1	Relay Name 1 NWLPR	Serial Number L891538	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0056 A DC		Neutral Pickup 0.0103 A DC		Neutral Working 0.0103 A DC
Shelf Name 1	Relay Name 1T NWLPR	Serial Number L70138	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0058 A DC		Neutral Pickup 0.0103 A DC		Neutral Working 0.0103 A DC
Shelf Name 1	Relay Name 1 TR	Serial Number L869608	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested 07/14/2004
Neutral Dropaway 0.0600 A DC		Neutral Pickup 0.1130 A DC		Neutral Working 0.1130 A DC
Shelf Name 1	Relay Name TER	Serial Number 444011P034	Condition Left V	
Relay Type (Drawing and/or Catalog Number) B2 (50800-101 GR.1 / A62-691)		Resistance (Ohms)	Contacts 2FB-3F-2B	Date Tested 07/14/2004
Shelf Name 1	Relay Name WL	Serial Number M79007	Condition Left C	
Relay Type (Drawing and/or Catalog Number) 9B		Resistance (Ohms) 200	Contacts	Date Tested 07/14/2004
Neutral Dropaway 0.0038 A DC		Neutral Pickup 0.0279 A DC		Neutral Working 0.0279 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: BAAN20S
Subdivision: CRESTON	Test Date: 06/19/2008
Location / Highway Name: CABINET WEST HT EMERSON	
County: MILLS	State: IA
Milepost (with Line Segment): 1 452.10 - 452.10	
Employee's Name: Larry Drake (ldrake)	PARS Number: SINS0199

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 V = Visual inspection completed, condition left in compliance.
 NT = The equipment was not tested in this inspection.
 N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name 1	Relay Name O TR	Serial Number L610905	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0071 A DC		Neutral Pickup 0.0144 A DC		Neutral Working 0.0132 A DC
Shelf Name 1	Relay Name 1 NWLPR	Serial Number L891538	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0112 A DC
Shelf Name 1	Relay Name 1T NWLPR	Serial Number L70138	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0124 A DC
Shelf Name 1	Relay Name 1 TR	Serial Number L869608	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested 06/19/2008
Neutral Dropaway 0.0587 A DC		Neutral Pickup 0.1441 A DC		Neutral Working 0.1150 A DC
Shelf Name 1	Relay Name TER	Serial Number 444011P034	Condition Left V	
Relay Type (Drawing and/or Catalog Number) B2 (50800-101 GR.1 / A62-691)		Resistance (Ohms)	Contacts 2FB-3F-2B	Date Tested 06/19/2008
Shelf Name 1	Relay Name WL	Serial Number M79007	Condition Left C	
Relay Type (Drawing and/or Catalog Number) 9B		Resistance (Ohms) 200	Contacts	Date Tested 06/19/2008
Neutral Dropaway 0.0028 A DC		Neutral Pickup 0.0310 A DC		Neutral Working 0.0290 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: 095257X
Subdivision: CRESTON	Test Date: 07/14/2004
Location / Highway Name: CO RD	
County: MILLS	State: IA
Milepost (with Line Segment): 1 452.88 - 452.88	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

NOTE: This test was sent in an inordinate amount of time after the date on which it was performed. As such, this is likely a startup test. You may want to check into paper records for more accurate information about this test, or contact RailDOCS Support at CompProb@RailDOCS.net if you think this is not correct.

Conditions Master Key

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name DB	Relay Name EOR	Serial Number L872069	Condition Left V	
Relay Type (Drawing and/or Catalog Number) PF-256 (UN322561-001)		Resistance (Ohms) 87.5 / 87.5	Contacts 4NR (1 Control)	Date Tested 07/14/2004
Shelf Name DB	Relay Name XR	Serial Number L766955	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0054 A DC		Neutral Pickup 0.0113 A DC		Neutral Working 0.0113 A DC
Shelf Name DB	Relay Name POR	Serial Number L615239	Condition Left V	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 07/14/2004
Shelf Name DC	Relay Name XRP	Serial Number L780266	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 4FB HD 2FB STD	Date Tested 07/14/2004
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0113 A DC		Neutral Working 0.0113 A DC
Shelf Name DC	Relay Name XGR	Serial Number L747392	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322552-701)		Resistance (Ohms) 350	Contacts 6F-6B	Date Tested 07/14/2004
Neutral Dropaway 0.0059 A DC		Neutral Pickup 0.0204 A DC		Neutral Working 0.0204 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: 095257X
Subdivision: CRESTON	Test Date: 07/31/2007
Location / Highway Name: CO RD	
County: MILLS	State: IA
Milepost (with Line Segment): 1 452.88 - 452.88	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name DB	Relay Name EOR	Serial Number L872069	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PF-256 (UN322561-001)		Resistance (Ohms) 87.5 / 87.5	Contacts 4NR (1 Control)	Date Tested 07/31/2007
Neutral Dropaway 0.0000		Neutral Pickup 4.7000 V DC		Neutral Working 4.7000 V DC
Shelf Name DB	Relay Name XR	Serial Number L766955	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name DB	Relay Name POR	Serial Number L615239	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 07/31/2007
Neutral Dropaway 7.7800 V AC		Neutral Pickup 9.8800 V AC		Neutral Working 9.8800 V AC
Shelf Name DC	Relay Name XRP	Serial Number L780266	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 4FB HD 2FB STD	Date Tested
Shelf Name DC	Relay Name XGR	Serial Number L747392	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322552-701)		Resistance (Ohms) 350	Contacts 6F-6B	Date Tested



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: 095257X
Subdivision: CRESTON	Test Date: 06/19/2008
Location / Highway Name: CO RD	
County: MILLS	State: IA
Milepost (with Line Segment): 1 452.88 - 452.88	
Employee's Name: Larry Drake (ldrake)	PARS Number: SINS0199

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name DB	Relay Name EOR	Serial Number L872069	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PF-256 (UN322561-001)		Resistance (Ohms) 87.5 / 87.5	Contacts 4NR (1 Control)	Date Tested 06/19/2008
Neutral Dropaway 0.0320 V DC		Neutral Pickup 0.0770 V DC		Neutral Working 0.0740 V DC
Shelf Name DB	Relay Name XR	Serial Number L766955	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0063 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0113 A DC
Shelf Name DB	Relay Name POR	Serial Number L615239	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 06/19/2008
Neutral Dropaway 4.4280 V AC		Neutral Pickup 9.9000 V AC		Neutral Working 8.9570 V AC
Shelf Name DC	Relay Name XGR	Serial Number L747392	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322552-701)		Resistance (Ohms) 350	Contacts 6F-6B	Date Tested 06/19/2008
Neutral Dropaway 0.0047 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0141 A DC
Shelf Name DC	Relay Name XRP	Serial Number L780266	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)		Resistance (Ohms) 400	Contacts 4FB HD 2FB STD	Date Tested 06/19/2008
Neutral Dropaway 0.0056 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0131 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: BAANK1N
Subdivision: CRESTON	Test Date: 07/14/2004
Location / Highway Name: DBL XO 453.5	
County: MILLS	State: IA
Milepost (with Line Segment): 1 453.50 - 453.50	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

NOTE: This test was sent in an inordinate amount of time after the date on which it was performed. As such, this is likely a startup test. You may want to check into paper records for more accurate information about this test, or contact RailDOCS Support at CompProb@RailDOCS.net if you think this is not correct.

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name 1A	Relay Name 1 OSTR	Serial Number 47830R004	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-921 GR.9 / A62-120)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 07/14/2004
Neutral Dropaway 0.0940 A DC		Neutral Pickup 0.1380 A DC		Neutral Working 0.1380 A DC
Shelf Name 1A	Relay Name 2 OSTR	Serial Number 47830R019	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-921 GR.9 / A62-120)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 07/14/2004
Neutral Dropaway 0.0730 A DC		Neutral Pickup 0.1390 A DC		Neutral Working 0.1390 A DC
Shelf Name 1A	Relay Name 1 VSTOP	Serial Number 47824P018	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-822 GR.2 / A62-310)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/14/2004
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0108 A DC		Neutral Working 0.0108 A DC
Shelf Name 1A	Relay Name 2 VSTOP	Serial Number 47824P002	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-822 GR.2 / A62-310)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/14/2004
Neutral Dropaway 0.0084 A DC		Neutral Pickup 0.0108 A DC		Neutral Working 0.0108 A DC
Shelf Name 1A	Relay Name 1A NWZR	Serial Number 9601844	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD	Date Tested 07/14/2004
Neutral Dropaway 0.0093 A DC		Neutral Pickup 0.0178 A DC		Neutral Working 0.0178 A DC
Shelf Name 1A	Relay Name 1A RWZR	Serial Number 9601859	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD	Date Tested 07/14/2004
Neutral Dropaway 0.0084 A DC		Neutral Pickup 0.0182 A DC		Neutral Working 0.0182 A DC
Shelf Name 1B	Relay Name 1B OR	Serial Number 44305P024	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)		Resistance (Ohms) 135	Contacts 2FB	Date Tested 07/14/2004
Neutral Dropaway 0.0178 A DC		Neutral Pickup 0.0656 A DC		Neutral Working 0.0656 A DC
Shelf Name 1B	Relay Name 1B NWZR	Serial Number 9600768	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD	Date Tested 07/14/2004
Neutral Dropaway 0.0098 A DC		Neutral Pickup 0.0161 A DC		Neutral Working 0.0161 A DC

Relay Tests (FRA 234.263, 236.106)

Shelf Name 1B	Relay Name 1B RWZR	Serial Number 9601872	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0098 A DC		Neutral Pickup 0.0175 A DC	Neutral Working 0.0175 A DC
Shelf Name 1B	Relay Name 1A-OR	Serial Number 44305P023	Condition Left C
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)		Resistance (Ohms) 135	Contacts 2FB
Neutral Dropaway 0.0187 A DC		Neutral Pickup 0.0556 A DC	Neutral Working 0.0556 A DC
Shelf Name 1D	Relay Name 2A NWZR	Serial Number 9601843	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0103 A DC		Neutral Pickup 0.0192 A DC	Neutral Working 0.0192 A DC
Shelf Name 1D	Relay Name 2A RWZR	Serial Number 9601847	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0093 A DC		Neutral Pickup 0.0182 A DC	Neutral Working 0.0182 A DC
Shelf Name 1D	Relay Name 2A OR	Serial Number 46659P039	Condition Left C
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)		Resistance (Ohms) 135	Contacts 2FB
Neutral Dropaway 0.0191 A DC		Neutral Pickup 0.0707 A DC	Neutral Working 0.0707 A DC
Shelf Name 1D	Relay Name 2B NWZR	Serial Number 9601803	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0113 A DC		Neutral Pickup 0.0191 A DC	Neutral Working 0.0191 A DC
Shelf Name 1D	Relay Name 2B RWZR	Serial Number 9601877	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0088 A DC		Neutral Pickup 0.0172 A DC	Neutral Working 0.0172 A DC
Shelf Name 1D	Relay Name 2B OR	Serial Number 44305P037	Condition Left C
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)		Resistance (Ohms) 135	Contacts 2FB
Neutral Dropaway 0.0188 A DC		Neutral Pickup 0.0659 A DC	Neutral Working 0.0659 A DC



Inspection Report - Relay Tests & Inspections

Division: NEBRASKA	Asset ID: BAANK1N
Subdivision: CRESTON	Test Date: 06/19/2008
Location / Highway Name: DBL XO 453.5	
County: MILLS	State: IA
Milepost (with Line Segment): 1 453.50 - 453.50	
Employee's Name: Larry Drake (ldrake)	PARS Number: SINS0199

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name 1A	Relay Name 1 OSTR	Serial Number 47830R004	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-921 GR.9 / A62-120)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 06/19/2008
Neutral Dropaway 0.0660 A DC		Neutral Pickup 0.1650 A DC		Neutral Working 0.1610 A DC
Shelf Name 1A	Relay Name 2 OSTR	Serial Number 47830R019	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-921 GR.9 / A62-120)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 06/19/2008
Neutral Dropaway 0.0680 A DC		Neutral Pickup 0.1650 A DC		Neutral Working 0.1530 A DC
Shelf Name 1A	Relay Name 1 VSTOP	Serial Number 47824P018	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-822 GR.2 / A62-310)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 06/19/2008
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0127 A DC		Neutral Working 0.0112 A DC
Shelf Name 1A	Relay Name 2 VSTOP	Serial Number 47824P002	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-822 GR.2 / A62-310)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 06/19/2008
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0127 A DC		Neutral Working 0.0112 A DC
Shelf Name 1A	Relay Name 1A NWZR	Serial Number 9601844	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD	Date Tested 06/19/2008
Neutral Dropaway 0.0089 A DC		Neutral Pickup 0.0209 A DC		Neutral Working 0.0178 A DC
Shelf Name 1A	Relay Name 1A RWZR	Serial Number 9601859	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD	Date Tested 06/19/2008
Neutral Dropaway 0.0084 A DC		Neutral Pickup 0.0209 A DC		Neutral Working 0.0189 A DC
Shelf Name 1B	Relay Name 1A-OR	Serial Number 44305P023	Condition Left V	
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)		Resistance (Ohms) 135	Contacts 2FB	Date Tested 06/19/2008
Shelf Name 1B	Relay Name 1B NWZR	Serial Number 9600768	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD	Date Tested 06/19/2008
Neutral Dropaway 0.0076 A DC		Neutral Pickup 0.0209 A DC		Neutral Working 0.0199 A DC
Shelf Name 1B	Relay Name 1B RWZR	Serial Number 9601872	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD	Date Tested 06/19/2008
Neutral Dropaway 0.0076 A DC		Neutral Pickup 0.0209 A DC		Neutral Working 0.0117 A DC

Relay Tests (FRA 234.263, 236.106)

Shelf Name 1B	Relay Name 1B OR	Serial Number 44305P024	Condition Left V
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)		Resistance (Ohms) 135	Contacts 2FB
Date Tested 06/19/2008			
Shelf Name 1D	Relay Name 2A NWZR	Serial Number 9601843	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Date Tested 06/19/2008			
Neutral Dropaway 0.0079 A DC		Neutral Pickup 0.0209 A DC	
Neutral Working 0.0207 A DC			
Shelf Name 1D	Relay Name 2A RWZR	Serial Number 9601847	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Date Tested 06/19/2008			
Neutral Dropaway 0.0081 A DC		Neutral Pickup 0.0209 A DC	
Neutral Working 0.0188 A DC			
Shelf Name 1D	Relay Name 2A OR	Serial Number 46659P039	Condition Left V
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)		Resistance (Ohms) 135	Contacts 2FB
Date Tested 06/19/2008			
Shelf Name 1D	Relay Name 2B NWZR	Serial Number 9601803	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Date Tested 06/19/2008			
Neutral Dropaway 0.0079 A DC		Neutral Pickup 0.0209 A DC	
Neutral Working 0.0190 A DC			
Shelf Name 1D	Relay Name 2B RWZR	Serial Number 9601877	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Date Tested 06/19/2008			
Neutral Dropaway 0.0078 A DC		Neutral Pickup 0.0209 A DC	
Neutral Working 0.0170 A DC			
Shelf Name 1D	Relay Name 2B OR	Serial Number 44305P037	Condition Left V
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)		Resistance (Ohms) 135	Contacts 2FB
Date Tested 06/20/2008			