

EQUAL ACCESS INSPECTION

RED LINE FLEET

DATE: 5/26/2020

CAR NUMBER: 1510

Platform Height and Gap Inspection

Place threshold gauge onto and inside the running rail, keeping gauge level to floor. Use gauge to inspect door threshold height and gap by using the colors on the measurement-sliding device. Green area inspects the gap, red area inspects the height.

DOOR	PLATFORM GAP MEASUREMENT		PLATFORM HEIGHT MEASUREMENT	
	GO	NO GO	GO	NO GO
A	✓		✓	
B	✓		✓	
C	✓		✓	
D	✓		✓	
E	✓		✓	
F	✓		✓	
G				
H				

PA Sound Level Inspection

Place the sound level meter in the center of the car, five feet above floor for test. Activate door close chime, recording the maximum (dBA) level on the meter.

Maximum level recorded (dBA) 88

Enter Y-EAI code and 30 minutes labor on each car, file with Mileage Inspection sheet.

129-150

442

127-150 346

A&E Inspectors Worksheet - #1 Car

Car #	150	(All pressures +/-2 psi)	Car #	150	(All pressures +/-2 psi)
SAP	70 psi	71	SAP	70 psi	72
BP	110 psi	110	BP	110 psi	110
Min	14 psi	16	Min	14 psi	14
Max	36 psi	40	Max	36 psi	40
Emerg	44 psi	46	Emerg	44 psi	49
Snow	8 psi	10	Snow	8 psi	10
Inshot	10 psi	12	Inshot	10 psi	11
		(1500-1600 = 15 PSI)			(1500-1600 = 15 PSI)
Air Springs	#1 13 #2cs 13 #2ocs 16		Air Springs	#1 13 #2cs 13 #2ocs 14	
Intercooler	38-45 psi	40	Intercooler	38-45 psi	38
Battery	28 volt minimum	32.8	Battery	28 volt minimum	32.9
Conv/MG	37.5 +/-5v	37.8	Conv/MG	37.5 +/-5v	37.7
Comp. Off	3 min minimum	4.42	Comp. Off	3 min minimum	3.96
Brake Pack Test	Foreman: [redacted]		Brake Pack Test	Foreman: [redacted]	

NOTES:

- 1) All #1 cars with a compressor off time of less than 3 min must be held out of service (5/16/18)
- 2) This sheet must be completed and filed with the Redline Inspection Form.
- 3) The Brake Pack Test section above must be signed-off by a Foreman and a copy of the worksheet submitted to a Supervisor.
- 4) The Brake Pack Test to be completed per the Red Line Procedure "Brake Package Leak Test" (# MI-BP-LK)

T Red Line Engineering Procedure		Procedure #: MI-GB-1&2
SUBJECT: Ground Brush Assembly and Ring Inspection		
Date: 8/26/19	Revised: 9/25/19	Revision: 4

7.0 CHECKLIST/ SIGN-OFF

Date: 5/20/2020

Repairer:

- 1. Record the ring defect found in the table below
- 2. List any additional abnormalities in the comments section.

Car Number	Even	Odd
	1510	1511
Axle 1	Good	Good
Axle 2	Good	Good
Axle 3	Good	Good
Axle 4	Good	Good

Foreman:

- 1. Verify that each ground brush assembly has all of the correct hardware/ parts.
- 2. Verify that the ground brushes are longer than the condemnable length of 1-1/4" from the top (under the tab) to the center bottom (middle of the concave).
- 3. Verify that the holders are in "good" condition without loose/ missing cover attachment studs or a damaged guide.
- 4. Verify that the section of the ground ring under the ground brush has been inspected and defects/ abnormalities recorded.
- 5. Print badge number and sign below. Please file along with standard mileage inspection forms

Foreman Badge #: 71755

Foreman Signature: [Signature]

Comments:

Red Line Maintenance

Mileage Inspection Sign-off - Bearing Temperature Sticker

Date: 5/20/2020

- Repairer: Please indicate whether a temperature sticker was found in an over-temperature condition (over), was missing (miss), was damaged (dam), or in good condition (ok) in the table below for each car and axle.

Car Numbers	Axle			
	1	2	3	4
1510	OK	OK	OK	OK
1511	OK	OK	OK	OK

- Foreman: Please verify repairer findings, record your badge number and sign name below. File completed sheet with standard mileage inspection forms.

Foreman Badge #: 71755

Foreman Signature: [Signature]

Task No.	Description	Task	Initials	Task No.	Description	Task	Initials
Air & Electric / Couplers (continued)				Car Body Inspection Sections 8,9,10			
5d.	Gov. Pressure Switch; Gov. Off/On PSI <u>150</u> / <u>129</u>	V,F,A,X		Interior			
5.e.	Compressor Off Time: <u>4</u> min <u>42</u> sec	V,F,X		8	Interior Car body	V	
5.f.	Intercooler Pressure: <u>40</u> PSI	V,F,X,P		8.a.	Glass and Window Gaskets	V,F,R	
5.g.	Drain Valve / Tanks (purge)	V,F,P		8.b.	Lighting; Passenger, Cab, Emergency	V,F,R	
5.h.	Heaters (compressor and drain valve)	V,F		8.c.	Horns, Buzzers and Bells	V,F	
5.i.	Wiring, Piping, Hoses	V,F		8.d.	Windshield Wiper and Blade	V,F,R	
5.j.	Dryers / Filters	V,F		8.e.	Cab Heat and Defroster	V,F,C	
5.k.	Cineston and Deadman Operation, Switch Springs, Cineston Contact Tips	V,F,C,R		8.f.	Radio, PA, Intercom and PEI	V,F	
5.l.	Console Gauges	V,F,A,R		8.g.	Operator's Seat, Visor and Curtains	V,F,R	
5.m.	Brake Pressures: Brake Valves SAP <u>71</u> PSI BP <u>110</u> PSI MIN <u>16</u> PSI MAX <u>40</u> PSI EMERG <u>46</u> PSI SNOW <u>10</u> PSI INSHOT <u>12</u> PSI	V,F,A,X		8.h.	Sash Windows	V,F,R	
5.n.	Air Spring /Leveling Valves, Pressures #1 <u>13</u> PSI #2cs <u>13</u> PSI #2ocs <u>16</u> PSI	V,F,A,X		8.i.	Console Switches and Labels	V,F,R	
Auxiliary Electrics				8.j.	Instruction Decals and Advertising Signs	V,F	
6	Converter: Gaskets, Covers, Hardware	V,F		8.k.	Safety Equipment: Ladder, 4 Shoe Hooks, Shoe Lifter, 2 Fire Extinguishers, Evac Chair/even car, Rope/Ty-Rap®	V,F,R	
6.a.	Electronic Card Rack / Controls	V,F		8.l.	Low Voltage Circuit Breaker Panel	V	
6.b.	External Resistors: Cabling	V		8.m.	Stanchions and Grab Handles	V,F	
6.c.	Output Voltage <u>37.8</u> volts. MG / Converter	V,F,A,X		8.n.	Passenger Seats	V,R	
6.d.	Battery Enclosure, Cover, Hardware	V,F,C		8.o.	Passenger Emergency Pulls and Tabs	V,F,R	
6.e.	Battery Vent Caps, Terminals, Cables, Trays	V,F,C		8.p.	Interior Panels and Flooring	V	
6.f.	Battery Cells, Excessive Corrosion	V,F,R,C		8.q.	Trip Cutout, Horn Cutout and Air Spring Cutouts	V,F	
6.g.	Battery Electrolyte Level (deionized water) Battery <u>32.8</u> volts.	V,F,R,X		8.r.	Handbrake Ratchet and Micro Switch	V,F,L	
6.h.	Snow Brake, Sleet Scraper (amber) Lights	V,F,R		8.s.	Destination Signs and Lighting	V,F,R	
Couplers				Exterior			
7	Electric Coupler Boxes and Buttons	V,F,R,C		9	Exterior Car body	V	
7.a.	Air Control Valves (EP Box)	V,F		9.a.	Destination Signs Roll; Interior / Exterior	V,F,R	
7.b.	Centering Device and Negating Valve	V,F,L		9.b.	Marker Lights	V,F,R	
7.c.	Drum Switch	V,F		9.c.	ATP Operation (amber) Lights	V,F,R	
7.d.	Draft Gears	V,F		9.d.	Snow brake / Sleet Scraper (amber) Lights	V,F,R	
7.e.	Coupler Head, Height Adjuster, Gauge	V,F,L		9.e.	End Gate, Springs and Straps	V,F	
7.f.	Manual Uncouple Lever	V,F,L		9.f.	Handbrake, Door Pilot, and Individual Door Leaf Lights	V,F,R	
7.g.	Drawbar Yoke, Anchor and Casting	V,F		Doors			
7.h.	Shear Pins and Safety Wire	V,R		10	Door Operation	V,F	
7.i.	Radial Carrier	V,F,L		10.a.	Door Control Relay Panel; Relays & Wiring	V,F,C,R	
7.j.	Cables, Clamps, Cannon Plugs (safety wire)	V,R		10.b.	Door Open & Close Toggle Switches	V,F,R	
7.k.	Air Pipes, Hoses, Clamps and Hardware	V,R		10.c.	Door Set-up Switch	V,F	
Air & Electric / Couplers Inspector Initial Section 5,6,7				10.d.	Door By-Pass Switch	V,F	
Signature: <u>[Signature]</u> Emp. No: <u>509079</u>				10.e.	Door Engine Operators	V,F,A	
				10.f.	Obstruction Micro Switches	V,F,A	
				10.g.	Door Locking / Unlocking Assemblies	V,F,A,L	
				10.h.	Door Obstruction; Test Top, Middle and Bottom	V,F,A	
				10.i.	Door Leaf Alignment	V,F,A	
				10.j.	Door Actuators, Tracks, Rollers and Shims	V,F	
				10.k.	Door Nosing Rubbers, Alignment, Gap and Condition	V,F,A	
				10.l.	Door Emergency Release Handles	V,F,A	
				10.m.	#1 End Door (track, lock and latch)	V,F,L,C	
				10.o.	Cab Door (jamb, hinges and lock)	V,F,L,C	
				10.p.	Spin Slide System	V,F	

Task No.	Description	Task	Initials
Doors (Continued)			
10.q.	Door Safety Ground Test: Pin #19: <u>6</u> Ω Pin #20: <u>4</u> Ω	V,F,X	
10.r.	No Motion Sensors B-C AXLE 1: <u>93</u> Ω AXLE 2: _____ Ω AXLE 3: _____ Ω E-F AXLE 4: <u>95</u> Ω	V,F,X	
10.s.	ATO Readings ASR: _____ Ω FRG: _____ Ω Receiver Coil Reading: _____ Ω	V,F,X	
Equal Access Inspection			
11	Complete Per Procedure Using EAI Form Filed With This Mileage Inspection Form	T	
Car Body Inspector Initial Sections 8,9,10,11			
Signature: <u>[Signature]</u> Emp. No: <u>141171</u>			

1510

Part	Stock Number	Quantity
Contact Shoe	025-96-001	
Contact Shoe Shunt	025-74-090	2
Contact Shoe Stud	025-96-010	1
Ice Scraping Contact Shoe	030-74-118	
Shoe Fuse #1&2 Car	025-74-509	
Brake Shoe #1&2 Car	010-96-029	3
Sleet Scraper Blade	025-97-001	
Sleet Scraper Blade	025-97-002	
Ground Brush Holder #1&2 Car	033-74-010	
Ground Brush #1&2 Car	035-74-277	2
Ground Brush Spring #1&2 Car	033-74-007	
Ground Brush Holder Insert #1&2 Car	033-74-008	
Ground Brush Cover #1&2 Car	035-07-167	
Traction Motor Filter	030-80-132	8
Traction Motor Brush	025-04-240	8
Hitch Pin, (Handbrake Type)	420-71-020	
Picture Window	023-11-285	
Stationary Sash Window, #1 Car	023-11-314	
Sliding Sash Window, #1 Car	023-11-315	
Stationary Sash Window, #2 Car	026-74-055	
Sliding Sash Window, #2 Car	026-74-056	
Door Glass	023-11-295	
Fire Extinguisher, 10 lb.	024-10-078	
Fire Extinguisher, 20 lb.	024-10-075	
Frangible Pins, #1 Car	034-96-131	
Frangible Pins, #2 Car	026-74-001	
Fluorescent Tube T-12 48"	311-55-654	
Lamp Ballast	025-74-113	
Fluorescent Tube T-12 36"	311-55-643	
Fluorescent Tube T-12 18"	311-55-608	
Fluorescent Tube T-12 24"	311-55-615	
Pilot Light, Double Contact	025-45-837	
Pilot Light, Single Contact	025-45-022	
Bulb, Duplex Gauge	025-45-849	
Shatterproof Air Gauge Lens	032-28-046	
Drawbar Button # 1 Car	026-96-500	
Drawbar Button # 2 Car	025-23-023	
Hitch Pin (Leveling Valve Type)	032-55-001	
D4 Intake Filter	032-11-033	1
D4 Comp. Brushes	032-11-251	
Interlock Arm Contacts	035-01-191	
Cam Switch Tip, Moveable	035-80-001	8
Cam Switch Tip, Fixed	035-90-002	8
Contactator Tip, Copper	035-80-005	
Contactator Tip, Silver	035-65-319	
Cam Switch Shunts	035-01-154	
Line Switch Tip	035-01-105	2
E-Brake Lever Plastic Tab	026-96-115	
Bearing Temperature Tags	024-03-030	
Blue Wrench	026-44-020	2
Bolt	025-45-022	2
Enter Stock no. and Qty. into Work Order via Scan Tool		

Work Order ID: 4132-2020-5247

Car.No. 1510 Date: 5/20/2020
Current-Life-Mileage: 2593622
Last Inspection Life Mileage: 2586028
Mileage Since Last Inspected: 7594

[illegible]

#1 Wheel Size: 26 1/2 Condition: Minor Spelling #2 Wheel Size: 28 Condition: Fair
#3 Wheel Size: 27 Condition: Minor Spelling #4 Wheel Size: 28 Condition: Fair

Foreperson's Signature [Signature] Employee Number: 71755

Initial Sections 2.d,e,f. and 10.p.

Rev1 10-19

CAR NO. 1510 DATE: 5/20/2020

MILEAGE SINCE LAST INSPECTED: 7594

Tasks:	<i>V-Visual</i>	<i>L-Lubricate</i>	<i>C-Clean</i>
	<i>F-Verify proper function</i>	<i>R-Replace as needed</i>	<i>P-Purge</i>
	<i>A-Adjust to proper setting</i>	<i>X-Record values</i>	<i>T-Test</i>

Note to Inspection Staff: If any problems are noted during your inspection please place a circle around the task number of the problem area. These circled items will then be transferred to deferred items list for further attention.

Task No.	Description	Task	Initials	Task No.	Description	Task	Initials
Truck Inspection Sections 1,2,3				Truck Inspector Initial Sections 1,2,3			
1	Truck Frame	V		Signature: [Redacted] Emp. No: 71591			
1.a	King Pin and Hardware	V,F		Propulsion Section 4			
1.b	Hoses, Piping and Clamps	V,F		4	Propulsion Enclosure, Covers, Gaskets	V,F,C	
1.c	Cables, Ground Straps	V,F,R		4.a	Propulsion Relays and Tips	V,F,C,R	
1.d	Bearer Surfaces ; Center and Side	V,F		4.b	Cables, Wiring, Connections.	V,F,A	
1.e	Journal Springs	V		4.c	Line Switch Coil-Blowout, Overload	V,F,A,R,C	
1.f	Pedestal Bolts	V,A		4.d	Line Switch Tips-Main, Overload	V,F,A,R,C	
1.g	Bolster Anchors Shimming and Bolts	V,F		4.e	Operation of all Mag Valves	V,F,L	
1.h	Dampers, Snubbers and Shocks	V,F		4.f	SPC Tips, Cam Rollers, Shunts	V,F,A,R,C	
1.i	Hand Brake Linkage	V,F,A,L,R		4.g	SPC Interlock Tips	V,F,A,R,C	
1.j	Shoe Beams, Flash Shields (hardware)	V,F,A		4.h	PBC Tips, Cam Rollers, Shunts	V,F,A,R,C	
1.k	Collector Paddles (height and tension)	V,F,A,R		4.i	Reverser Segments and Insulators	V,F,R,C	
1.l	Shoe Shunts, Fuses and Hardware	V,F,A,R		4.j	Reverser Interlock Tips	V,F,A,R,C	
1.m	Sleet Scrapers, Blades, Hoses and Hardware	V,F,A,L,R		4.k	Contactors Tips and Shunts	V,F,A,R,C	
1.n	Trips, Hoses and Hardware	V,F,A,L		4.l	Contactors Interlock Tips, Shunts, Arms	V,F,A,R,C	
1.o	Brake Units, Shoes, Keys, Piping and Hoses	V,F,A,L,R		4.m	Electronic Cards	V,F,R	
1.p	Brake Cutout, Linkage and Hardware	V,F,L		4.n	Cam Controller, Switches, Tips and Shunts	V,F,A,R,C	
1.q	ATP Receiver Coils and Hardware	V,C		4.o	Mag Amp Wiring and Connections	V,F	
Gear Units				4.p	Field Forcing Panel, Fuse, Wiring	V,F	
2	Gears	V		4.q	Field Shunt Resistors, Fuse, Wiring	V,F,R	
2.a	Gear Oil	V,R		4.r	Inshot Valve Operation	V,F,A	
2.b	Covers, Plugs and Breathers	V,C		4.s	Propulsion Ground Fault Unit (#1 Car)	V,F,R	
2.c	Bearings, Wear Plates, Temperature Tag	V,L,R		4.t	Propulsion Overload Light	V,F,R	
2.d	Wheels	V		4.u	Propulsion Megger Reading Case: 10.7 Meg Ω	V,F,X	
2.e	Wheel Flanges (gauge)	V		4.v	Contact Shoe Megger Reading Shoe: ∞ Meg Ω	V,F,X	
2.f	Wheel Diameter	V,X		4.w	Braking Grids and Cables	V	
2.g	Axles (Wheel Back to Back Measurement) 1: 53 3/8 2: 53 3/8 3: 53 3/8 4: 53 3/8	V,X		4.x	Propulsion Air Supply, Hoses and Piping	V,F	
2.h	Axle Ground Brushes and Springs	V,F,R		4.y	Sequence Controls With Box and Cineston	V,F	
2.i	Axle Ground Ring Signature: [Redacted]	V		4.z	Notch car with 600v "Think Safety"	V,F	
2.j	Axle Ground Housings and Hardware	V,F,R		Propulsion Inspector Initial Section 4			
2.k	Axle Ground Cables Straps and Jumpers	V,F,A,R		Signature: [Redacted] Emp. No: 509074			
Traction Motors				Air & Electric / Couplers Inspection Sections 5,6,7			
3	Motors	V		5	Air System	V	
3.a	Motor Filters, Covers	V,F,R		5.a	Compressor Motor Brushes	V,F,C,R	
3.b	Motor Brushes, Brush holders	V,F,R		5.b	Air Compressor Unit, Oil Level	V,F,L,R	
3.c	Horizontal Mounting Bolts and Bushings	V		5.c	Compressor Control Box and Tips	V,F,R	
3.d	Vertical Mounting Bolts and Bushings	V					
3.e	Safety Brackets and Hardware	V,F					
3.f	Motor to Gear Unit Bolts (torque) 150 ft.-lbs.	V,A					
3.g	Motor Cables and Clamps	V,F					
3.h	Motor Clamshell Leads	V					
3.i	Clamshell Contacts and Hardware	V					

EQUAL ACCESS INSPECTION

RED LINE FLEET

DATE: 7/27/20 CAR NUMBER: 1510

Platform Height and Gap Inspection

Place threshold gauge onto and inside the running rail, keeping gauge level to floor.
Use gauge to inspect door threshold height and gap by using the colors on the measurement-sliding device. Green area inspects the gap, red area inspects the height.

DOOR	PLATFORM GAP MEASUREMENT		PLATFORM HEIGHT MEASUREMENT	
	GO	NO GO	GO	NO GO
A	✓		✓	
B	✓		✓	
C	✓		✓	
D	✓		✓	
E	✓		✓	
F	✓		✓	
G				
H				

PA Sound Level Inspection

Place the sound level meter in the center of the car, five feet above floor for test.
Activate door close chime, recording the maximum (dBA) level on the meter.

Maximum level recorded (dBA) 90

Enter Y-EAI code and 30 minutes labor on each car, file with Mileage Inspection sheet.

Task No.	Description	Task	Initials	Task No.	Description	Task	Initials
Air & Electric / Couplers (continued)				Car Body Inspection Sections 8,9,10			
5d.	Gov. Pressure Switch: Gov. Off/On PSI <u>149</u> , <u>128</u>	V,F,A,X		Interior			
5.e.	Compressor Off Time: <u>4</u> min <u>40</u> sec	V,F,X		8	Interior Car body	V	
5.f.	Intercooler Pressure: <u>36</u> PSI	V,F,X,P		8.a.	Glass and Window Gaskets	V,F,R	
5.g.	Drain Valve / Tanks (purge)	V,F,P		8.b.	Lighting: Passenger, Cab, Emergency	V,F,R	
5.h.	Heaters (compressor and drain valve)	V,F		8.c.	Horns, Buzzers and Bells	V,F	
5.i.	Wiring, Piping, Hoses	V,F		8.d.	Windshield Wiper and Blade	V,F,R	
5.j.	Dryers / Filters	V,F		8.e.	Cab Heat and Defroster	V,F,C	
5.k.	Cineston and Deadman Operation, Switch Springs, Cineston Contact Tips	V,F,C,R		8.f.	Radio, PA, Intercom and PEI	V,F	
5.l.	Console Gauges	V,F,A,R		8.g.	Operator's Seat, Visor and Curtains	V,F,R	
5.m.	Brake Pressures: Brake Valves SAP <u>69</u> PSI BP <u>110</u> PSI MIN <u>15</u> PSI MAX <u>34</u> PSI EMERG <u>43</u> PSI SNOW <u>9</u> PSI INSHOT <u>8</u> PSI	V,F,A,X		8.h.	Sash Windows	V,F,R	
5.n.	Air Spring / Leveling Valves, Pressures #1 <u>14</u> PSI #2cs <u>15</u> PSI #2ocs <u>14</u> PSI	V,F,A,X		8.i.	Console Switches and Labels	V,F,R	
Auxiliary Electrics				8.j.	Instruction Decals and Advertising Signs	V,F	
6	Converter: Gaskets, Covers, Hardware	V,F		8.k.	Safety Equipment: Ladder, 4 Shoe Hooks, Shoe Lifter, 2 Fire Extinguishers, Evac Chair/even car, Rope/Ty-Rap®	V,F,R	
6.a.	Electronic Card Rack / Controls	V,F		8.l.	Low Voltage Circuit Breaker Panel	V	
6.b.	External Resistors: Cabling	V		8.m.	Stanchions and Grab Handles	V,F	
6.c.	Output Voltage MG / Converter <u>37.60</u> volts.	V,F,A,X		8.n.	Passenger Seats	V,R	
6.d.	Battery Enclosure, Cover, Hardware	V,F,C		8.o.	Passenger Emergency Pulls and Tabs	V,F,R	
6.e.	Battery Vent Caps, Terminals, Cables, Trays	V,F,C		8.p.	Interior Panels and Flooring	V	
6.f.	Battery Cells, Excessive Corrosion	V,F,R,C		8.q.	Trip Cutout, Horn Cutout and Air Spring Cutouts	V,F	
6.g.	Battery Electrolyte Level (deionized water) Battery <u>30.18</u> volts.	V,F,R,X		8.r.	Handbrake Ratchet and Micro Switch	V,F,L	
6.h.	Snow Brake, Sleet Scraper (amber) Lights	V,F,R		8.s.	Destination Signs and Lighting	V,F,R	
Couplers				Exterior			
7	Electric Coupler Boxes and Buttons	V,F,R,C		9	Exterior Car body	V	
7.a.	Air Control Valves (EP Box)	V,F		9.a.	Destination Signs Roll; Interior / Exterior	V,F,R	
7.b.	Centering Device and Negating Valve	V,F,L		9.b.	Marker Lights	V,F,R	
7.c.	Drum Switch	V,F		9.c.	ATP Operation (amber) Lights	V,F,R	
7.d.	Draft Gears	V,F		9.d.	Snow brake / Sleet Scraper (amber) Lights	V,F,R	
7.e.	Coupler Head, Height Adjuster, Gauge	V,F,L		9.e.	End Gate, Springs and Straps	V,F	
7.f.	Manual Uncouple Lever	V,F,L		9.f.	Handbrake, Door Pilot, and Individual Door Leaf Lights	V,F,R	
7.g.	Drawbar Yoke, Anchor and Casting	V,F		Doors			
7.h.	Shear Pins and Safety Wire	V,R		10	Door Operation	V,F	
7.i.	Radial Carrier	V,F,L		10.a.	Door Control Relay Panel; Relays & Wiring	V,F,C,R	
7.j.	Cables, Clamps, Cannon Plugs (safety wire)	V,R		10.b.	Door Open & Close Toggle Switches	V,F,R	
7.k.	Air Pipes, Hoses, Clamps and Hardware	V,R		10.c.	Door Set-up Switch	V,F	
Air & Electric / Couplers Inspector Initial Section 5,6,7				10.d.	Door By-Pass Switch	V,F	
Signature: <u>[Signature]</u> Emp. No: <u>72847</u>				10.e.	Door Engine Operators	V,F,A	
				10.f.	Obstruction Micro Switches	V,F,A	
				10.g.	Door Locking / Unlocking Assemblies	V,F,A,L	
				10.h.	Door Obstruction; Test Top, Middle and Bottom	V,F,A	
				10.i.	Door Leaf Alignment	V,F,A	
				10.j.	Door Actuators, Tracks, Rollers and Shims	V,F	
				10.k.	Door Nosing Rubbers, Alignment, Gap and Condition	V,F,A	
				10.l.	Door Emergency Release Handles	V,F,A	
				10.m.	#1 End Door (track, lock and latch)	V,F,L,C	
				10.o.	Cab Door (jamb, hinges and lock)	V,F,L,C	
				10.p.	Spin Slide System	V,F	

Task No.	Description	Task	Initials
Doors (Continued)			
10.q.	Door Safety Ground Test: Pin #19: <u>0.9</u> Ω Pin #20: <u>0.4</u> Ω	V,F,X	
10.r.	No Motion Sensors B-C AXLE 1: <u>110.7</u> Ω AXLE 2: <u>N/A</u> Ω AXLE 3: <u>N/A</u> Ω E-F AXLE 4: <u>107.2</u> Ω	V,F,X	
10.s.	ATO Readings ASR: <u>N/A</u> Ω FRG: <u>N/A</u> Ω Receiver Coil Reading: <u>N/A</u> Ω	V,F,X	
Equal Access Inspection			
11	Complete Per Procedure Using EAI Form Filed With This Mileage Inspection Form	T	
Car Body Inspector Initial Sections 8,9,10,11			
Signature: <u>[Signature]</u> Emp. No: <u>71995</u>			

Part	Stock Number	Quantity
Contact Shoe	025-96-001	
Contact Shoe Shunt	025-74-090	
Contact Shoe Stud	025-96-010	
Ice Scraping Contact Shoe	030-74-118	
Shoe Fuse #1&2 Car	025-74-509	
Brake Shoe #1&2 Car	010-96-029	
Sleet Scraper Blade	025-97-001	
Sleet Scraper Blade	025-97-002	
Ground Brush Holder #1&2 Car	033-74-010	
Ground Brush #1&2 Car	035-74-277	2
Ground Brush Spring #1&2 Car	033-74-007	
Ground Brush Holder Insert #1&2 Car	033-74-008	
Ground Brush Cover #1&2 Car	035-07-167	
Traction Motor Filter	030-80-132	8
Traction Motor Brush	025-04-240	4
Hitch Pin, (Handbrake Type)	420-71-020	
Picture Window	023-11-285	
Stationary Sash Window, #1 Car	023-11-314	
Sliding Sash Window, #1 Car	023-11-315	
Stationary Sash Window, #2 Car	026-74-055	
Sliding Sash Window, #2 Car	026-74-056	
Door Glass	023-11-295	
Fire Extinguisher, 10 lb.	024-10-078	
Fire Extinguisher, 20 lb.	024-10-075	
Frangible Pins, #1 Car	034-96-131	
Frangible Pins, #2 Car	026-74-001	
Fluorescent Tube T-12 48"	311-55-654	
Lamp Ballast	025-74-113	
Fluorescent Tube T-12 36"	311-55-643	
Fluorescent Tube T-12 18"	311-55-608	2
Fluorescent Tube T-12 24"	311-55-615	
Pilot Light, Double Contact	025-45-837	
Pilot Light, Single Contact	025-45-022	
Bulb, Duplex Gauge	025-45-849	
Shatterproof Air Gauge Lens	032-28-046	
Drawbar Button # 1 Car	026-96-500	
Drawbar Button # 2 Car	025-23-023	
Hitch Pin (Leveling Valve Type)	032-55-001	
D4 Intake Filter	032-11-033	1
D4 Comp. Brushes	032-11-251	1
Interlock Arm Contacts	035-01-191	
Cam Switch Tip, Moveable	035-80-001	16
Cam Switch Tip, Fixed	035-90-002	16
Contact Tip, Copper	035-80-005	
Contact Tip, Silver	035-65-319	10
Cam Switch Shunts	035-01-154	
Line Switch Tip	035-01-105	2
E-Brake Lever Plastic Tab	026-96-115	
Bearing Temperature Tags	024-03-030	
Enter Stock no. and Qty. into Work Order via Scan Tool		

Work Order ID: 432-2020-7885

Car.No. 1510 Date: 7/27/20
Current-Life-Mileage: 2602665
Last Inspection Life Mileage: 2593622
Mileage Since Last Inspected: 9043

[illegible]

#1 Wheel Size: 26 1/2 Condition: Fair #2 Wheel Size: 28 Condition: Fair
#3 Wheel Size: 27 Condition: Fair #4 Wheel Size: 28 Condition: Fair

Foreperson's Signature [Signature] Employee Number: 67816

Rev1 10-19

CAR NO. 1510 DATE: 7/27/20
MILEAGE SINCE LAST INSPECTED: 9043

Tasks:	<i>V-Visual</i>	<i>L-Lubricate</i>	<i>C-Clean</i>
	<i>F-Verify proper function</i>	<i>R-Replace as needed</i>	<i>P-Purge</i>
	<i>A-Adjust to proper setting</i>	<i>X-Record values</i>	<i>T-Test</i>

Note to Inspection Staff: If any problems are noted during your inspection please place a circle around the task number of the problem area. These circled items will then be transferred to deferred items list for further attention.

Task No.	Description	Task	Initials
Truck Inspection Sections 1,2,3			
1	Truck Frame	V	
1.a.	King Pin and Hardware	V,F	
1.b.	Hoses, Piping and Clamps	V,F	
1.c.	Cables, Ground Straps	V,F,R	
1.d.	Bearer Surfaces ; Center and Side	V,F	
1.e.	Journal Springs	V	
1.f.	Pedestal Bolts	V,A	
1.g.	Bolster Anchors Shimming and Bolts	V,F	
1.h.	Dampers, Snubbers and Shocks	V,F	
1.i.	Hand Brake Linkage	V,F,A,L,R	
1.j.	Shoe Beams, Flash Shields (hardware)	V,F,A	
1.k.	Collector Paddles (height and tension)	V,F,A,R	
1.l.	Shoe Shunts, Fuses and Hardware	V,F,A,R	
1.m.	Sleet Scrapers, Blades, Hoses and Hardware	V,F,A,L,R	
1.n.	Trips, Hoses and Hardware	V,F,A,L	
1.o.	Brake Units, Shoes, Keys, Piping and Hoses	V,F,A,L,R	
1.p.	Brake Cutout, Linkage and Hardware	V,F,L	
1.q.	ATP Receiver Coils and Hardware	V,C	
Gear Units			
2	Gears	V	
2.a.	Gear Oil	V,R	
2.b.	Covers, Plugs and Breathers	V,C	
2.c.	Bearings, Wear Plates, Temperature Tag	V,L,R	
2.d.	Wheels	V	
2.e.	Wheel Flanges (gauge)	V	
2.f.	Wheel Diameter	V,X	
2.g.	Axles (Wheel Back to Back Measurement) 1: <u>53 7/8</u> 2: <u>53 7/8</u> 3: <u>53 7/8</u> 4: <u>53 7/8</u>	V,X	
2.h.	Axle Ground Brushes and Springs	V,F,R	
2.i.	Axle Ground Ring Signature: _____	V	
2.j.	Axle Ground Housings and Hardware	V,F,R	
2.k.	Axle Ground Cables Straps and Jumpers	V,F,A,R	
Traction Motors			
3	Motors	V	
3.a.	Motor Filters, Covers	V,F,R	
3.b.	Motor Brushes, Brush holders	V,F,R	
3.c.	Horizontal Mounting Bolts and Bushings	V	
3.d.	Vertical Mounting Bolts and Bushings	V	
3.e.	Safety Brackets and Hardware	V,F	
3.f.	Motor to Gear Unit Bolts (torque) 150 ft-lbs.	V,A	
3.g.	Motor Cables and Clamps	V,F	
3.h.	Motor Clamshell Leads	V	
3.i.	Clamshell Contacts and Hardware	V	

Task No.	Description	Task	Initials
Truck Inspector Initial Sections 1,2,3			
Signature: _____		Emp. No: <u>73560</u>	
Propulsion Section 4			
4	Propulsion Enclosure, Covers, Gaskets	V,F,C	
4.a.	Propulsion Relays and Tips	V,F,C,R	
4.b.	Cables, Wiring, Connections	V,F,A	
4.c.	Line Switch Coil-Blowout, Overload	V,F,A,R,C	
4.d.	Line Switch Tips-Main, Overload	V,F,A,R,C	
4.e.	Operation of all Mag Valves	V,F,L	
4.f.	SPC Tips, Cam Rollers, Shunts	V,F,A,R,C	
4.g.	SPC Interlock Tips	V,F,A,R,C	
4.h.	PBC Tips, Cam Rollers, Shunts	V,F,A,R,C	
4.i.	Reverser Segments and Insulators	V,F,R,C	
4.j.	Reverser Interlock Tips	V,F,A,R,C	
4.k.	Contactar Tips and Shunts	V,F,A,R,C	
4.l.	Contactar Interlock Tips, Shunts, Arms	V,F,A,R,C	
4.m.	Electronic Cards	V,F,R	
4.n.	Cam-Controller, Switches, Tips and Shunts	V,F,A,R,C	
4.o.	Mag Amp Wiring and Connections	V,F	
4.p.	Field Forcing Panel, Fuse, Wiring	V,F	
4.q.	Field Shunt Resistors, Fuse, Wiring	V,F,R	
4.r.	Inshot Valve Operation	V,F,A	
4.s.	Propulsion Ground Fault Unit (#1 Car)	V,F,R	
4.t.	Propulsion Overload Light	V,F,R	
4.u.	Propulsion Megger Reading Case: _____ Meg Ω	V,F,X	
4.v.	Contact Shoe Megger Reading Shoe: _____ Meg Ω	V,F,X	
4.w.	Braking Grids and Cables	V	
4.x.	Propulsion Air Supply, Hoses and Piping	V,F	
4.y.	Sequence Controls With Box and Cineston	V,F	
4.z.	Notch car with 600v "Think Safety"	V,F	
Propulsion Inspector Initial Section 4			
Signature: _____		Emp. No: <u>503921</u>	
Air & Electric / Couplers Inspection Sections 5,6,7			
5	Air System	V	
5.a.	Compressor Motor Brushes	V,F,C,R	
5.b.	Air Compressor Unit, Oil Level	V,F,L,R	
5.c.	Compressor Control Box and Tips	V,F,R	

EQUAL ACCESS INSPECTION

RED LINE FLEET

DATE: 10-19-20

CAR NUMBER: 1510

Platform Height and Gap Inspection

Place threshold gauge onto and inside the running rail, keeping gauge level to floor. Use gauge to inspect door threshold height and gap by using the colors on the measurement-sliding device. Green area inspects the gap, red area inspects the height.

DOOR	PLATFORM GAP MEASUREMENT		PLATFORM HEIGHT MEASUREMENT	
	GO	NO GO	GO	NO GO
A	✓		✓	
B	✓		✓	
C	✓		✓	
D	✓		✓	
E	✓		✓	
F	✓		✓	
G				
H				

PA Sound Level Inspection

Place the sound level meter in the center of the car, five feet above floor for test. Activate door close chime, recording the maximum (dBA) level on the meter.

Maximum level recorded (dBA) 74

Enter Y-EAI code and 30 minutes labor on each car, file with Mileage Inspection sheet.

Task No.	Description	Task	Initials	Task No.	Description	Task	Initials
Air & Electric / Couplers (continued)				Car Body Inspection Sections 8,9,10			
5d.	Gov. Pressure Switch; Gov. Off/On PSI <u>150</u> / <u>135</u>	V,F,A,X		Interior			
5.e.	Compressor Off Time: <u>3</u> min <u>18</u> sec	V,F,X		8	Interior Car body	V	
5.f.	Intercooler Pressure: <u>36</u> PSI	V,F,X,P		8.a.	Glass and Window Gaskets	V,F,R	
5.g.	Drain Valve / Tanks (purge)	V,F,P		8.b.	Lighting; Passenger, Cab, Emergency	V,F,R	
5.h.	Heaters (compressor and drain valve)	V,F		8.c.	Horns, Buzzers and Bells	V,F	
5.i.	Wiring, Piping, Hoses	V,F		8.d.	Windshield Wiper and Blade	V,F,R	
5.j.	Dryers / Filters	V,F		8.e.	Cab Heat and Defroster	V,F,C	
5.k.	Cineston and Deadman Operation, Switch Springs, Cineston Contact Tips	V,F,C,R		8.f.	Radio, PA, Intercom and PEI	V,F	
5.l.	Console Gauges	V,F,A,R		8.g.	Operator's Seat, Visor and Curtains	V,F,R	
5.m.	Brake Pressures: Brake Valves SAP <u>70</u> PSI BP <u>110</u> PSI MIN <u>16</u> PSI MAX <u>38</u> PSI EMERG <u>46</u> PSI SNOW <u>10</u> PSI INSHOT <u>10</u> PSI	V,F,A,X		8.h.	Sash Windows	V,F,R	
5.n.	Air Spring /Leveling Valves, Pressures #1 <u>16</u> PSI #2cs <u>17</u> PSI #2ocs <u>15</u> PSI	V,F,A,X		8.i.	Console Switches and Labels	V,F,R	
Auxiliary Electrics				8.j.	Instruction Decals and Advertising Signs	V,F	
6	Converter: Gaskets, Covers, Hardware	V,F		8.k.	Safety Equipment: Ladder, 4 Shoe Hooks, Shoe Lifter, 2 Fire Extinguishers, Evac Chair/even car, Rope/Ty-Rap®	V,F,R	
6.a.	Electronic Card Rack / Controls	V,F		8.l.	Low Voltage Circuit Breaker Panel	V	
6.b.	External Resistors: Cabling	V		8.m.	Stanchions and Grab Handles	V,F	
6.c.	Output Voltage MG / Converter <u>37.5</u> volts.	V,F,A,X		8.n.	Passenger Seats	V,R	
6.d.	Battery Enclosure, Cover, Hardware	V,F,C		8.o.	Passenger Emergency Pulls and Tabs	V,F,R	
6.e.	Battery Vent Caps, Terminals, Cables, Trays	V,F,C		8.p.	Interior Panels and Flooring	V	
6.f.	Battery Cells, Excessive Corrosion	V,F,R,C		8.q.	Trip Cutout, Horn Cutout and Air Spring Cutouts	V,F	
6.g.	Battery Electrolyte Level (deionized water) Battery <u>32.6</u> volts.	V,F,R,X		8.r.	Handbrake Ratchet and Micro Switch	V,F,L	
6.h.	Snow Brake, Sleet Scraper (amber) Lights	V,F,R		8.s.	Destination Signs and Lighting	V,F,R	
Couplers				Exterior			
7	Electric Coupler Boxes and Buttons	V,F,R,C		9	Exterior Car body	V	
7.a.	Air Control Valves (EP Box)	V,F		9.a.	Destination Signs Roll; Interior / Exterior	V,F,R	
7.b.	Centering Device and Negating Valve	V,F,L		9.b.	Marker Lights	V,F,R	
7.c.	Drum Switch	V,F		9.c.	ATP Operation (amber) Lights	V,F,R	
7.d.	Draft Gears	V,F		9.d.	Snow brake / Sleet Scraper (amber) Lights	V,F,R	
7.e.	Coupler Head, Height Adjuster, Gauge	V,F,L		9.e.	End Gate, Springs and Straps	V,F	
7.f.	Manual Uncouple Lever	V,F,L		9.f.	Handbrake , Door Pilot, and Individual Door Leaf Lights	V,F,R	
7.g.	Drawbar Yoke, Anchor and Casting	V,F		Doors			
7.h.	Shear Pins and Safety Wire	V,R		10	Door Operation	V,F	
7.i.	Radial Carrier	V,F,L		10.a.	Door Control Relay Panel; Relays & Wiring	V,F,C,R	
7.j.	Cables, Clamps, Cannon Plugs (safety wire)	V,R		10.b.	Door Open & Close Toggle Switches	V,F,R	
7.k.	Air Pipes, Hoses ,Clamps and Hardware	V,R		10.c.	Door Set-up Switch	V,F	
Air & Electric / Couplers Inspector Initial Section 5,6,7				10.d.	Door By-Pass Switch	V,F	
Signature: _____ Emp. No: <u>497354</u>				10.e.	Door Engine Operators	V,F,A	
				10.f.	Obstruction Micro Switches	V,F,A	
				10.g.	Door Locking / Unlocking Assemblies	V,F,A,L	
				10.h.	Door Obstruction; Test Top, Middle and Bottom	V,F,A	
				10.i.	Door Leaf Alignment	V,F,A	
				10.j.	Door Actuators, Tracks , Rollers and Shims	V,F	
				10.k.	Door Nosing Rubbers, Alignment, Gap and Condition	V,F,A	
				10.l.	Door Emergency Release Handles	V,F,A	
				10.m.	#1 End Door (track, lock and latch)	V,F,L,C	
				10.o.	Cab Door (jamb, hinges and lock)	V,F,L,C	
				10.p.	Spin Slide System	V,F	

Task No.	Description	Task	Initials
Doors (Continued)			
10.q.	Door Safety Ground Test: Pin #19: <u>9</u> Ω Pin #20: <u>9</u> Ω	V,F,X	
10.r.	No Motion Sensors B-C AXLE 1: <u>99</u> Ω AXLE 2: <u>NA</u> Ω AXLE 3: <u>NA</u> Ω E-F AXLE 4: <u>99</u> Ω	V,F,X	
10.s.	ATO Readings ASR: <u>NA</u> Ω FRG: <u>NA</u> Ω Receiver Coil Reading: <u>NA</u> Ω	V,F,X	
Equal Access Inspection			
11	Complete Per Procedure Using EAI Form Filed With This Mileage Inspection Form	T	
Car Body Inspector Initial Sections 8,9,10,11			
Signature: _____ Emp. No: <u>503916</u>			

Part	Stock Number	Quantit
Contact Shoe	025-96-001	
Contact Shoe Shunt	025-74-090	
Contact Shoe Stud	025-96-010	
Ice Scraping Contact Shoe	030-74-118	2
Shoe Fuse #1&2 Car	025-74-509	
Brake Shoe #1&2 Car	010-96-029	1
Sleet Scraper Blade	025-97-001	
Sleet Scraper Blade	025-97-002	
Ground Brush Holder #1&2 Car	033-74-010	
Ground Brush #1&2 Car	035-74-277	1
Ground Brush Spring #1&2 Car	033-74-007	
Ground Brush Holder Insert #1&2 Car	033-74-008	
Ground Brush Cover #1&2 Car	035-07-167	
Traction Motor Filter	030-80-132	16
Traction Motor Brush	025-04-240	16
Hitch Pin, (Handbrake Type)	420-71-020	
Picture Window	023-11-285	
Stationary Sash Window, #1 Car	023-11-314	
Sliding Sash Window, #1 Car	023-11-315	
Stationary Sash Window, #2 Car	026-74-055	
Sliding Sash Window, #2 Car	026-74-056	
Door Glass	023-11-295	
Fire Extinguisher, 10 lb.	024-10-078	
Fire Extinguisher, 20 lb.	024-10-075	
Frangible Pins, #1 Car	034-96-131	
Frangible Pins, #2 Car	026-74-001	
Fluorescent Tube T-12 48"	311-55-654	
Lamp Ballast	025-74-113	
Fluorescent Tube T-12 36"	311-55-643	
Fluorescent Tube T-12 18"	311-55-608	
Fluorescent Tube T-12 24"	311-55-615	
Pilot Light, Double Contact	025-45-837	
Pilot Light, Single Contact	025-45-022	
Bulb, Duplex Gauge	025-45-849	
Shatterproof Air Gauge Lens	032-28-046	
Drawbar Button # 1 Car	026-96-500	
Drawbar Button # 2 Car	025-23-023	
Hitch Pin (Leveling Valve Type)	032-55-001	
D4 Intake Filter	032-11-033	1
D4 Comp. Brushes	032-11-251	
Interlock Arm Contacts	035-01-191	
Cam Switch Tip, Moveable	035-80-001	6
Cam Switch Tip, Fixed	035-90-002	6
Contacto Tip, Copper	035-80-005	4
Contacto Tip, Silver	035-65-319	4
Cam Switch Shunts	035-01-154	
Line Switch Tip	035-01-105	2
E-Brake Lever Plastic Tab	026-96-115	
Bearing Temperature Tags	024-03-030	
Enter Stock no. and Qty. into Work Order via Scan Tool		

Task No.	Description	Task	Initials	Task No.	Description	Task	Initials
Truck Inspection Sections 1,2,3				Truck Inspector Initial Sections 1,2,3			
1	Truck Frame	V		Signature: [Redacted] Emp. No: 69439			
1.a.	King Pin and Hardware	V,F		Propulsion Section 4			
1.b.	Hoses, Piping and Clamps	V,F		4	Propulsion Enclosure, Covers, Gaskets	V,F,C	
1.c.	Cables, Ground Straps	V,F,R		4.a.	Propulsion Relays and Tips	V,F,C,R	
1.d.	Bearer Surfaces ; Center and Side	V,F		4.b.	Cables, Wiring, Connections.	V,F,A	
1.e.	Journal Springs	V		4.c.	Line Switch Coil-Blowout, Overload	V,F,A,R,C	
1.f.	Pedestal Bolts	V,A		4.d.	Line Switch Tips-Main, Overload	V,F,A,R,C	
1.g.	Bolster Anchors Shimming and Bolts	V,F		4.e.	Operation of all Mag Valves	V,F,L	
1.h.	Dampers, Snubbers and Shocks	V,F		4.f.	SPC Tips, Cam Rollers, Shunts	V,F,A,R,C	
1.i.	Hand Brake Linkage	V,F,A,L,R		4.g.	SPC Interlock Tips	V,F,A,R,C	
1.j.	Shoe Beams, Flash Shields (hardware)	V,F,A		4.h.	PBC Tips, Cam Rollers, Shunts	V,F,A,R,C	
1.k.	Collector Paddles (height and tension)	V,F,A,R		4.i.	Reverser Segments and Insulators	V,F,R,C	
1.l.	Shoe Shunts, Fuses and Hardware	V,F,A,R		4.j.	Reverser Interlock Tips	V,F,A,R,C	
1.m.	Sleet Scrapers, Blades, Hoses and Hardware	V,F,A,L,R		4.k.	Contactors Tips and Shunts	V,F,A,R,C	
1.n.	Trips, Hoses and Hardware	V,F,A,L		4.l.	Contactors Interlock Tips, Shunts, Arms	V,F,A,R,C	
1.o.	Brake Units, Shoes, Keys, Piping and Hoses	V,F,A,L,R		4.m.	Electronic Cards	V,F,R	
1.p.	Brake Cutout, Linkage and Hardware	V,F,L		4.n.	Cam-Controller, Switches, Tips and Shunts	V,F,A,R,C	
1.q.	ATP Receiver Coils and Hardware	V,C		4.o.	Mag Amp Wiring and Connections	V,F	
Gear Units				4.p.	Field Forcing Panel, Fuse, Wiring	V,F	
2	Gears	V		4.q.	Field Shunt Resistors, Fuse, Wiring	V,F,R	
2.a.	Gear Oil	V,R		4.r.	Inshot Valve Operation	V,F,A	
2.b.	Covers, Plugs and Breathers	V,C		4.s.	Propulsion Ground Fault Unit (#1 Car)	V,F,R	
2.c.	Bearings, Wear Plates, Temperature Tag	V,L,R		4.t.	Propulsion Overload Light	V,F,R	
2.d.	Wheels	V		4.u.	Propulsion Megger Reading Case: 0.7 Meg Ω	V,F,X	
2.e.	Wheel Flanges (gauge)	V		4.v.	Contact Shoe Megger Reading Shoe: 100+ Meg Ω	V,F,X	
2.f.	Wheel Diameter	V,X		4.w.	Braking Grids and Cables	V	
2.g.	Axles (Wheel Back to Back Measurement) 1: 53 3/8 2: 53 3/8 3: 53 3/8 4: 53 3/8	V,X		4.x.	Propulsion Air Supply, Hoses and Piping	V,F	
2.h.	Axle Ground Brushes and Springs	V,F,R		4.y.	Sequence Controls With Box and Cineston	V,F	
2.i.	Axle Ground Ring Signature: [Redacted]	V		4.z.	Notch car with 600v "Think Safety"	V,F	
2.j.	Axle Ground Housings and Hardware	V,F,R		Propulsion Inspector Initial Section 4			
2.k.	Axle Ground Cables Straps and Jumpers	V,F,A,R		Signature: [Redacted] Emp. No: 66311			
Traction Motors				Air & Electric / Couplers Inspection Sections 5,6,7			
3	Motors	V		5	Air System	V	
3.a.	Motor Filters, Covers	V,F,R		5.a.	Compressor Motor Brushes	V,F,C,R	
3.b.	Motor Brushes, Brush holders	V,F,R		5.b.	Air Compressor Unit, Oil Level	V,F,L,R	
3.c.	Horizontal Mounting Bolts and Bushings	V		5.c.	Compressor Control Box and Tips	V,F,R	
3.d.	Vertical Mounting Bolts and Bushings	V					
3.e.	Safety Brackets and Hardware	V,F					
3.f.	Motor to Gear Unit Bolts (torque) 150 ft-lbs.	V,A					
3.g.	Motor Cables and Clamps	V,F					
3.h.	Motor Clamshell Leads	V					
3.i.	Clamshell Contacts and Hardware	V					

MBTA REDLINE
#1 and #2 CAR

CAR NO. 1510 **DATE:** 03/27/22

INSPECTION FORM

MILEAGE SINCE LAST INSPECTED: 8259

Tasks:	V-Visual	L-Lubricate	C-Clean
	F-Verify proper function	R-Replace as needed	P-Purge
	A-Adjust to proper setting	X-Record values	T-Test

Note to Inspection Staff: If any problems are noted during your inspection please place a circle around the task number of the problem area. These circled items will then be transferred to deferred items list for further attention.

Task No.	Description	Task	Initials	Task No.	Description	Task	Initials
Truck Inspection Sections 1,2,3				Truck Inspector Initial Sections 1,2,3			
1	Truck Frame	V		Signature:  Emp. No: <u>70885</u>			
1.a	King Pin and Hardware	V,F					
1.b	Hoses, Piping and Clamps	V,F		Propulsion Section 4			
1.c	Cables, Ground Straps	V,F,R		4	Propulsion Enclosure, Covers, Gaskets	V,F,C	
1.d	Bearer Surfaces ; Center and Side	V,F		4.a	Propulsion Relays and Tips	V,F,C,R	
1.e	Journal Springs	V		4.b	Cables, Wiring, Connections	V,F,A	
1.f	Pedestal Bolts	V,A		4.c	Line Switch Coil-Blowout, Overload	V,F,A,R,C	
1.g	Bolster Anchors Shimming and Bolts	V,F		4.d	Line Switch Tips-Main, Overload	V,F,A,R,C	
1.h	Dampers, Snubbers and Shocks	V,F		4.e	Operation of all Mag Valves	V,F,L	
1.i	Hand Brake Linkage	V,F,A,L,R		4.f	SPC Tips, Cam Rollers, Shunts	V,F,A,R,C	
1.j	Shoe Beams, Flash Shields (hardware)	V,F,A		4.g	SPC Interlock Tips	V,F,A,R,C	
1.k	Collector Paddles (height and tension)	V,F,A,R		4.h	PBC Tips, Cam Rollers, Shunts	V,F,A,R,C	
1.l	Shoe Shunts, Fuses and Hardware	V,F,A,R		4.i	Reverser Segments and Insulators	V,F,R,C	
1.m	Sleet Scrapers, Blades, Hoses and Hardware	V,F,A,L,R		4.j	Reverser Interlock Tips	V,F,A,R,C	
1.n	Trips, Hoses and Hardware	V,F,A,L		4.k	Contactor Tips and Shunts	V,F,A,R,C	
1.o	Brake Units, Shoes, Keys, Piping and Hoses	V,F,A,L,R		4.l	Contactor Interlock Tips, Shunts, Arms	V,F,A,R,C	
1.p	Brake Cutout, Linkage and Hardware	V,F,L		4.m	Electronic Cards	V,F,R	
1.q	ATP Receiver Coils and Hardware	V,C		4.n	Cam Controller, Switches, Tips and Shunts	V,F,A,R,C	
Gear Units				4.o	Mag Amp Wiring and Connections	V,F	
2	Gears	V		4.p	Field Forcing Panel, Fuse, Wiring	V,F	
2.a	Gear Oil	V,R		4.q	Field Shunt Resistors, Fuse, Wiring	V,F,R	
2.b	Covers, Plugs and Breathers	V,C		4.r	Inshot Valve Operation	V,F,A	
2.c	Bearings, Wear Plates, Temperature Tag	V,L,R		4.s	Propulsion Ground Fault Unit (#1 Car)	V,F,R	
2.d	Wheels	V		4.t	Propulsion Overload Light	V,F,R	
2.e	Wheel Flanges (gauge)	V		4.u	Propulsion Megger Reading	V,F,X	
2.f	Wheel Diameter	V,X		Case: <u>0.5</u> Meg Ω			
2.g	Axles (Wheel Back to Back Measurement)	V,X		4.v	Contact Shoe Megger Reading	V,F,X	
	1: <u>53 3/8</u> 2: <u>53 3/8</u>			Shoe: <u>600</u> Meg Ω			
	3: <u>53 3/8</u> 4: <u>53 3/8</u>			4.w	Braking Grids and Cables	V	
2.h	Axle Ground Brushes and Springs	V,F,R		4.x	Propulsion Air Supply, Hoses and Piping	V,F	
2.i	Axle Ground Ring	V		4.y	Sequence Controls With Box and Cineston	V,F	
	Signature:			4.z	Notch car with 600v "Think Safety"	V,F	
2.j	Axle Ground Housings and Hardware	V,F,R		Propulsion Inspector Initial Section 4			
2.k	Axle Ground Cables Straps and Jumpers	V,F,A,R		Signature:  Emp. No: <u>67529</u>			
Traction Motors							
3	Motors	V		Air & Electric Couplers Inspection Sections 5,6,7			
3.a	Motor Filters, Covers	V,F,R		5	Air System	V	
3.b	Motor Brushes, Brush holders	V,F,R		5.a	Compressor Motor Brushes	V,F,C,R	
3.c	Horizontal Mounting Bolts and Bushings	V		5.b	Air Compressor Unit, Oil Level	V,F,L,R	
3.d	Vertical Mounting Bolts and Bushings	V		5.c	Compressor Control Box and Tips	V,F,R	
3.e	Safety Brackets and Hardware	V,F					
3.f	Motor to Gear Unit Bolts (torque) 150 ft.-lbs.	V,A					
3.g	Motor Cables and Clamps	V,F					
3.h	Motor Clamshell Leads	V					
3.i	Clamshell Contacts and Hardware	V					

Task No.	Description	Task	Initials	Task No.	Description	Task	Initials
Air & Electric / Couplers (continued)				Car Body Inspection Sections 8,9,10			
5d.	Gov. Pressure Switch; Gov. Off/On PSI <u>130 / 149.5</u>	V,F,A,X		Interior			
5.e.	Compressor Off Time: <u>2</u> min <u>00</u> sec	V,F,X		8	Interior Car body	V	
5.f.	Intercooler Pressure: <u>40.8</u> PSI	V,F,X,P		8.a.	Glass and Window Gaskets	V,F,R	
5.g.	Drain Valve / Tanks (purge)	V,F,P		8.b.	Lighting; Passenger, Cab, Emergency	V,F,R	
5.h.	Heaters (compressor and drain valve)	V,F		8.c.	Horns, Buzzers and Bells	V,F	
5.i.	Wiring, Piping, Hoses	V,F		8.d.	Windshield Wiper and Blade	V,F,R	
5.j.	Dryers / Filters	V,F		8.e.	Cab Heat and Defroster	V,F,C	
5.k.	Cineston and Deadman Operation, Switch Springs, Cineston Contact Tips	V,F,C,R		8.f.	Radio, PA, Intercom and PEI	V,F	
5.l.	Console Gauges	V,F,A,R		8.g.	Operator's Seat, Visor and Curtains	V,F,R	
5.m.	Brake Pressures: Brake Valves SAP <u>72</u> PSI BP <u>109</u> PSI MIN <u>14.4</u> PSI MAX <u>64.3</u> PSI EMERG <u>44.3</u> PSI SNOW <u>10</u> PSI INSHOT <u>10</u> PSI	V,F,A,X		8.h.	Sash Windows	V,F,R	
5.n.	Air Spring /Leveling Valves, Pressures #1 <u>14.5</u> PSI #2cs <u>13.2</u> PSI #2ocs <u>13.5</u> PSI	V,F,A,X		8.i.	Console Switches and Labels	V,F,R	
Auxiliary Electrics				8.j.	Instruction Decals and Advertising Signs	V,F	
6	Converter: Gaskets, Covers, Hardware	V,F		8.k.	Safety Equipment: Ladder, 4 Shoe Hooks, Shoe Lifter, 2 Fire Extinguishers, Evac Chair/even car, Rope/Ty-Rap®	V,F,R	
6.a.	Electronic Card Rack / Controls	V,F		8.l.	Low Voltage Circuit Breaker Panel	V	
6.b.	External Resistors: Cabling	V		8.m.	Stanchions and Grab Handles	V,F	
6.c.	Output Voltage MG / Converter <u>37.6</u> volts.	V,F,A,X		8.n.	Passenger Seats	V,R	
6.d.	Battery Enclosure, Cover, Hardware	V,F,C		8.o.	Passenger Emergency Pulls and Tabs	V,F,R	
6.e.	Battery Vent Caps, Terminals, Cables, Trays	V,F,C		8.p.	Interior Panels and Flooring	V	
6.f.	Battery Cells, Excessive Corrosion	V,F,R,C		8.q.	Trip Cutout, Horn Cutout and Air Spring Cutouts	V,F	
6.g.	Battery Electrolyte Level (deionized water) Battery <u>27.5</u> volts.	V,F,R,X		8.r.	Handbrake Ratchet and Micro Switch	V,F,L	
6.h.	Snow Brake, Sleet Scraper (amber) Lights	V,F,R		8.s.	Destination Signs and Lighting	V,F,R	
Couplers				Exterior			
7	Electric Coupler Boxes and Buttons	V,F,R,C		9	Exterior Car body	V	
7.a.	Air Control Valves (EP Box)	V,F		9.a.	Destination Signs Roll; Interior / Exterior	V,F,R	
7.b.	Centering Device and Negating Valve	V,F,L		9.b.	Marker Lights	V,F,R	
7.c.	Drum Switch	V,F		9.c.	ATP Operation (amber) Lights	V,F,R	
7.d.	Draft Gears	V,F		9.d.	Snow brake / Sleet Scraper (amber) Lights	V,F,R	
7.e.	Coupler Head, Height Adjuster, Gauge	V,F,L		9.e.	End Gate, Springs and Straps	V,F	
7.f.	Manual Uncouple Lever	V,F,L		9.f.	Handbrake, Door Pilot, and Individual Door Leaf Lights	V,F,R	
7.g.	Drawbar Yoke, Anchor and Casting	V,F		Doors			
7.h.	Shear Pins and Safety Wire	V,R		10	Door Operation	V,F	
7.i.	Radial Carrier	V,F,L		10.a.	Door Control Relay Panel; Relays & Wiring	V,F,C,R	
7.j.	Cables, Clamps, Cannon Plugs (safety wire)	V,R		10.b.	Door Open & Close Toggle Switches	V,F,R	
7.k.	Air Pipes, Hoses, Clamps and Hardware	V,R		10.c.	Door Set-up Switch	V,F	
Air & Electric / Couplers Inspector Initial Section 5,6,7				10.d.	Door By-Pass Switch	V,F	
Signature: <u>[Signature]</u>	Emp. No: <u>504025</u>			10.e.	Door Engine Operators	V,F,A	
				10.f.	Obstruction Micro Switches	V,F,A	
				10.g.	Door Locking / Unlocking Assemblies	V,F,A,L	
				10.h.	Door Obstruction; Test Top, Middle and Bottom	V,F,A	
				10.i.	Door Leaf Alignment	V,F,A	
				10.j.	Door Actuators, Tracks, Rollers and Shims	V,F	
				10.k.	Door Nosing Rubbers, Alignment, Gap and Condition	V,F,A	
				10.l.	Door Emergency Release Handles	V,F,A	
				10.m.	#1 End Door (track, lock and latch)	V,F,L,C	
				10.o.	Cab Door (jamb, hinges and lock)	V,F,L,C	
				10.p.	Spin Slide System	V,F	

Task No.	Description	Task	Initials
Doors (Continued)			
10.q.	Door Safety Ground Test: Pin #19: <u>2.1</u> Ω Pin #20: <u>.5</u> Ω	V,F,X	
10.r.	No Motion Sensors B-C AXLE 1: <u>94</u> Ω AXLE 2: <u>X</u> Ω AXLE 3: <u>X</u> Ω E-F AXLE 4: <u>94</u> Ω	V,F,X	
10.s.	ATO Readings ASR: <u>—</u> Ω FRG: <u>—</u> Ω Receiver Coil Reading: <u>—</u> Ω	V,F,X	
Equal Access Inspection			
11	Complete Per Procedure Using EAI Form Filed With This Mileage Inspection Form	T	
Car Body Inspector Initial Sections 8,9,10,11			
Signature: <u>[Redacted]</u> Emp. No: <u>503201</u>			

Part	Stock Number	Quantity
Contact Shoe	025-96-001	4
Contact Shoe Shunt	025-74-090	
Contact Shoe Stud	025-96-010	
Ice Scraping Contact Shoe	030-74-118	
Shoe Fuse #1&2 Car	025-74-509	
Brake Shoe #1&2 Car	010-96-029	
Sleet Scraper Blade	025-97-001	
Sleet Scraper Blade	025-97-002	
Ground Brush Holder #1&2 Car	033-74-010	
Ground Brush #1&2 Car	035-74-277	1
Ground Brush Spring #1&2 Car	033-74-007	
Ground Brush Holder Insert #1&2 Car	033-74-008	
Ground Brush Cover #1&2 Car	035-07-167	
Traction Motor Filter	030-80-132	8
Traction Motor Brush	025-04-240	
Hitch Pin, (Handbrake Type)	420-71-020	
Picture Window	023-11-285	
Stationary Sash Window, #1 Car	023-11-314	
Sliding Sash Window, #1 Car	023-11-315	
Stationary Sash Window, #2 Car	026-74-055	
Sliding Sash Window, #2 Car	026-74-056	
Door Glass	023-11-295	
Fire Extinguisher, 10 lb.	024-10-078	
Fire Extinguisher, 20 lb.	024-10-075	
Frangible Pins, #1 Car	034-96-131	
Frangible Pins, #2 Car	026-74-001	
Fluorescent Tube T-12 48"	311-55-654	3
Lamp Ballast	025-74-113	
Fluorescent Tube T-12 36"	311-55-643	
Fluorescent Tube T-12 18"	311-55-608	
Fluorescent Tube T-12 24"	311-55-615	
Pilot Light, Double Contact	025-45-837	
Pilot Light, Single Contact	025-45-022	
Bulb, Duplex Gauge	025-45-849	
Shatterproof Air Gauge Lens	032-28-046	
Drawbar Button # 1 Car	026-96-500	
Drawbar Button # 2 Car	025-23-023	
Hitch Pin (Leveling Valve Type)	032-55-001	
D4 Intake Filter	032-11-033	
D4 Comp. Brushes	032-11-251	
Interlock Arm Contacts	035-01-191	
Cam Switch Tip, Moveable	035-80-001	5
Cam Switch Tip, Fixed	035-90-002	5
Contact Tip, Copper	035-80-005	2
Contact Tip, Silver	035-65-319	
Cam Switch Shunts	035-01-154	
Line Switch Tip	035-01-105	2
E-Brake Lever Plastic Tab	026-96-115	
Bearing Temperature Tags	024-03-030	
Enter Stock no. and Qty. into Work Order via Scan Tool		

EQUAL ACCESS INSPECTION

RED LINE FLEET

DATE: 03/27/20

CAR NUMBER: 1510

Platform Height and Gap Inspection

Place threshold gauge onto and inside the running rail, keeping gauge level to floor. Use gauge to inspect door threshold height and gap by using the colors on the measurement-sliding device. Green area inspects the gap, red area inspects the height.

DOOR	PLATFORM GAP MEASUREMENT		PLATFORM HEIGHT MEASUREMENT	
	GO	NO GO	GO	NO GO
A	✓		✓	
B	✓		✓	
C	✓		✓	
D	✓		✓	
E	✓		✓	
F	✓		✓	
G	X		X	
H	X		X	

PA Sound Level Inspection

Place the sound level meter in the center of the car, five feet above floor for test. Activate door close chime, recording the maximum (dBA) level on the meter.

Maximum level recorded (dBA) 89

Enter Y-EAI code and 30 minutes labor on each car, file with Mileage Inspection sheet.

