

MBTA REDLINE

#1 and #2 CAR

CAR NO. 1615DATE: 4/16/21**INSPECTION FORM**MILEAGE SINCE LAST INSPECTED: 7568

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	PII	Signature: <u>[Signature]</u> Emp. No: <u>73601</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	PII
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>.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 1/6</u> 2: <u>53 1/6</u>			Shoe: <u>300+</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: <u>[Signature]</u>			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: <u>[Signature]</u> Emp. No: <u>66311</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	PII
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			
5.f	Gov. Pressure Switch Gov. Off/On PSI <u>82 150 54 130</u>	V,F,A,X	PII	Interior			
5.g	Compressor Off Time: <u>3</u> min <u>3</u> sec	V,F,X		8	Interior Car body	V	PII
5.f	Intercooler Pressure: <u>41</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>108</u> PSI MIN <u>14</u> PSI MAX <u>36</u> PSI EMERG <u>45</u> PSI SNOW <u>8</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>15</u> PSI #2cs <u>15</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 MG / Converter <u> </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> </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>PII</u> -Emp. No: <u>344590</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>5</u> Ω Pin #20: <u>5</u> Ω	V,F,X	PII
10.r.	No Motion Sensors B-C AXLE 1: <u>58</u> Ω AXLE 2: <u>✓</u> Ω AXLE 3: <u>✓</u> Ω E-F AXLE 4: <u>89</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>PII</u> Emp. No: <u>66422</u>			

Part	Stock Number	Quantity
Contact Shoe	025-96-001	
Contact Shoe Shunt	025-74-090	3
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	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	
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	2
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	
Interlock Arm Contacts	035-01-191	
Cam Switch Tip, Moveable	035-80-001	11
Cam Switch Tip, Fixed	035-90-002	11
Contact Tip, Copper	035-80-005	
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		

DEFERRED ITEMS LIST

Work Order ID: 432-2021-3632

Car.No. 1615 Date: 4/16/21

Current-Life-Mileage: 2608/62

Last Inspection Life Mileage: 2600594

Mileage Since Last Inspected: 7568

Deferred Priority Codes: A-Hold for Repair, B-Schedule for Repair

[illegible]

#1 Wheel Size: 28 Condition: Minor Spalls #2 Wheel Size: 27 1/4 Condition: Minor Spalls

#3 Wheel Size: 26 1/2 Condition: Minor Spalls #4 Wheel Size: 27 1/4 Condition: Minor Spalls

Foreperson's Signature PII Employee Number: 69451

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

EQUAL ACCESS INSPECTION

RED LINE FLEET

DATE: 4/16/21

CAR NUMBER: 1615

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.

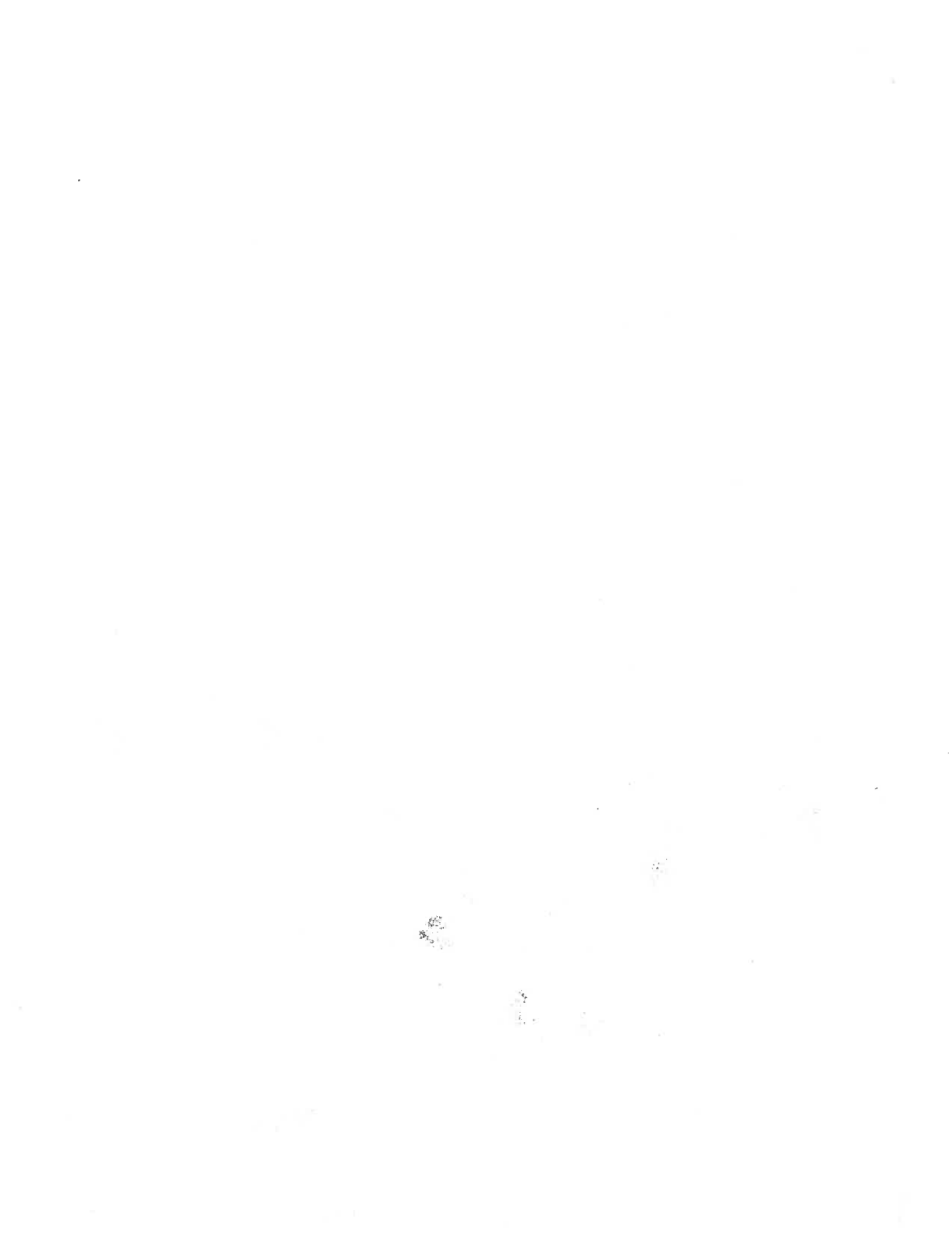
DOOR	PLATFORM GAP MEASUREMENT		PLATFORM HEIGHT MEASUREMENT	
	GO	NO GO	GO	NO GO
A	/		/	
B	/		/	
C	/		/	
D	/		/	
E	/		/	
F	/		/	
G				
H				

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) 80

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



MBTA REDLINE

#1 and #2 CAR

CAR NO. 1615DATE: 6/1/12**INSPECTION FORM**MILEAGE SINCE LAST INSPECTED: 8212

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	PII	Signature: <u>PII</u> Emp. No: <u>72243</u>			
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	PII
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	Contactor Tips and Shunts	V,F,A,R,C	
1.n	Trips, Hoses and Hardware	V,F,A,L		4.l	Contactor 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	V,F,X	
2.e	Wheel Flanges (gauge)	V		Case: <u>.3</u> Meg Ω			
2.f	Wheel Diameter	V,X		4.v	Contact Shoe Megger Reading	V,F,X	
2.g	Axles (Wheel Back to Back Measurement)	V,X		Shoe: <u>600+</u> Meg Ω			
	1: <u>53³⁶</u> 2: <u>53²⁸</u>			4.w	Braking Grids and Cables	V	
	3: <u>53⁷⁰</u> 4: <u>53^{71.5}</u>			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	V		4.z	Notch car with 600v "Think Safety"	V,F	
	Signature: <u>PII</u>			Propulsion Inspector Initial Section 4			
2.j	Axle Ground Housings and Hardware	V,F,R		Signature: <u>PII</u> Emp. No: <u>60311</u>			
2.k	Axle Ground Cables Straps and Jumpers	V,F,A,R		Air & Electric / Couplers Inspection Sections 5,6,7			
Traction Motors				5	Air System	V	PII
3	Motors	V		5.a	Compressor Motor Brushes	V,F,C,R	
3.a	Motor Filters, Covers	V,F,R		5.b	Air Compressor Unit, Oil Level	V,F,L,R	
3.b	Motor Brushes, Brush holders	V,F,R		5.c	Compressor Control Box and Tips	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	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</u> / <u>150</u>	V,F,A,X	PII	Interior			
5.e.	Compressor Off Time: <u>4</u> min <u>49</u> sec	V,F,X		8	Interior Car body	V	PII
5.f.	Intercooler Pressure: <u>44</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>112</u> PSI MIN <u>16</u> PSI MAX <u>38</u> PSI EMERG <u>42</u> PSI SNOW <u>8</u> PSI INSHOT <u>9</u> PSI	V,F,A,X		8.h.	Sash Windows	V,F,R	
5.n.	Air Spring /Leveling Valves, Pressures #1 <u>17</u> PSI #2cs <u>16</u> PSI #2ocs <u>17</u> PSI	V,F,A,X	8.i.	Console Switches and Labels	V,F,R		
Auxiliary Electrics				Exterior			
6	Converter: Gaskets, Covers, Hardware	V,F	9	Exterior Car body	V		
6.a.	Electronic Card Rack / Controls	V,F	9.a.	Destination Signs Roll; Interior / Exterior	V,F,R		
6.b.	External Resistors: Cabling	V	9.b.	Marker Lights	V,F,R		
6.c.	Output Voltage MG / Converter _____ volts.	V,F,A,X	9.c.	ATP Operation (amber) Lights	V,F,R		
6.d.	Battery Enclosure, Cover, Hardware	V,F,C	9.d.	Snow brake / Sleet Scraper (amber) Lights	V,F,R		
6.e.	Battery Vent Caps, Terminals, Cables, Trays	V,F,C	9.e.	End Gate, Springs and Straps	V,F		
6.f.	Battery Cells, Excessive Corrosion	V,F,R,C	9.f.	Handbrake, Door Pilot, and Individual Door Leaf Lights	V,F,R		
6.g.	Battery Electrolyte Level (deionized water) Battery _____ volts.	V,F,R,X	Doors				
6.h.	Snow Brake, Sleet Scraper (amber) Lights	V,F,R	10	Door Operation	V,F		
Couplers				10.a.	Door Control Relay Panel; Relays & Wiring	V,F,C,R	
7	Electric Coupler Boxes and Buttons	V,F,R,C	10.b.	Door Open & Close Toggle Switches	V,F,R		
7.a.	Air Control Valves (EP Box)	V,F	10.c.	Door Set-up Switch	V,F		
7.b.	Centering Device and Negating Valve	V,F,L	10.d.	Door By-Pass Switch	V,F		
7.c.	Drum Switch	V,F	10.e.	Door Engine Operators	V,F,A		
7.d.	Draft Gears	V,F	10.f.	Obstruction Micro Switches	V,F,A		
7.e.	Coupler Head, Height Adjuster, Gauge	V,F,L	10.g.	Door Locking / Unlocking Assemblies	V,F,A,L		
7.f.	Manual Uncouple Lever	V,F,L	10.h.	Door Obstruction; Test Top, Middle and Bottom	V,F,A		
7.g.	Drawbar Yoke, Anchor and Casting	V,F	10.i.	Door Leaf Alignment	V,F,A		
7.h.	Shear Pins and Safety Wire	V,R	10.j.	Door Actuators, Tracks, Rollers and Shims	V,F		
7.i.	Radial Carrier	V,F,L	10.k.	Door Nosing Rubbers, Alignment, Gap and Condition	V,F,A		
7.j.	Cables, Clamps, Cannon Plugs (safety wire)	V,R	10.l.	Door Emergency Release Handles	V,F,A		
7.k.	Air Pipes, Hoses, Clamps and Hardware	V,R	10.m.	#1 End Door (track, lock and latch)	V,F,L,C		
Air & Electric / Couplers Inspector Initial Section 5,6,7				10.o.	Cab Door (jamb, hinges and lock)	V,F,L,C	
Signature: <u>[Signature]</u> Emp. No: <u>503916</u>				10.p.	Spin Slide System	V,F	

Task No.	Description	Task	Initials	
Doors (Continued)				
10.q.	Door Safety Ground Test: Pin #19: <u>4</u> Ω Pin #20: <u>13</u> Ω	V,F,X	PII	
10.r.	No Motion Sensors B-C AXLE 1: <u>89</u> Ω AXLE 2: <u>/</u> Ω AXLE 3: <u>/</u> Ω E-F AXLE 4: <u>90</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>PII</u> Emp. No: <u>66422</u>				

Part	Stock Number	Quantity
Contact Shoe	025-96-001	1
Contact Shoe Shunt	025-74-090	1
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	1
Ground Brush #1&2 Car	035-74-277	
Ground Brush Spring #1&2 Car	033-74-007	
Ground Brush Holder Insert #1&2 Car	033-74-008	1
Ground Brush Cover #1&2 Car	035-07-167	1
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	
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	7
Cam Switch Tip, Fixed	035-90-002	7
Contact Tip, Copper	035-80-005	4
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		

DEFERRED ITEMS LIST

Work Order ID: 432-2021-4918

Mileage Since Last Inspected: 822

Deferred Priority Codes: A-Hold for Repair, B-Schedule for Repair

[illegible]

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

Foreperson's Signature PII Employee Number: 69451

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

EQUAL ACCESS INSPECTION

RED LINE FLEET

DATE: 6/11/21

CAR NUMBER: 1615

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.

MBTA REDLINE
#1 and #2 CAR

CAR NO. 1615 DATE: 8/3/21
MILEAGE SINCE LAST INSPECTED: 8689

INSPECTION FORM

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	PII	Signature: <u>[Signature]</u> Emp. No: <u>17083</u>			
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		Propulsion Section 4			
1.e.	Journal Springs	V		4	Propulsion Enclosure, Covers, Gaskets	V,F,C	PII
1.f.	Pedestal Bolts	V,A		4.a.	Propulsion Relays and Tips	V,F,C,R	
1.g.	Bolster Anchors Shimming and Bolts	V,F		4.b.	Cables, Wiring, Connections	V,F,A	
1.h.	Dampers, Snubbers and Shocks	V,F		4.c.	Line Switch Coil-Blowout, Overload	V,F,A,R,C	
1.i.	Hand Brake Linkage	V,F,A,L,R		4.d.	Line Switch Tips-Main, Overload	V,F,A,R,C	
1.j.	Shoe Beams, Flash Shields (hardware)	V,F,A		4.e.	Operation of all Mag Valves	V,F,L	
1.k.	Collector Paddles (height and tension)	V,F,A,R		4.f.	SPC Tips, Cam Rollers, Shunts	V,F,A,R,C	
1.l.	Shoe Shunts, Fuses and Hardware	V,F,A,R		4.g.	SPC Interlock Tips	V,F,A,R,C	
1.m.	Sleeet Scrapers, Blades, Hoses and Hardware	V,F,A,L,R		4.h.	PBC Tips, Cam Rollers, Shunts	V,F,A,R,C	
1.n.	Trips, Hoses and Hardware	V,F,A,L		4.i.	Reverser Segments and Insulators	V,F,R,C	
1.o.	Brake Units, Shoes, Keys, Piping and Hoses	V,F,A,L,R		4.j.	Reverser Interlock Tips	V,F,A,R,C	
1.p.	Brake Cutout, Linkage and Hardware	V,F,L		4.k.	Contactors Tips and Shunts	V,F,A,R,C	
1.q.	ATP Receiver Coils and Hardware	V,C		4.l.	Contactors Interlock Tips, Shunts, Arms	V,F,A,R,C	
Gear Units				4.m.	Electronic Cards	V,F,R	
2	Gears	V		4.n.	Cam Controller, Switches, Tips and Shunts	V,F,A,R,C	
2.a.	Gear Oil	V,R		4.o.	Mag Amp Wiring and Connections	V,F	
2.b.	Covers, Plugs and Breathers	V,C		4.p.	Field Forcing Panel, Fuse, Wiring	V,F	
2.c.	Bearings, Wear Plates, Temperature Tag	V,L,R		4.q.	Field Shunt Resistors, Fuse, Wiring	V,F,R	
2.d.	Wheels	V		4.r.	Inshot Valve Operation	V,F,A	
2.e.	Wheel Flanges (gauge)	V		4.s.	Propulsion Ground Fault Unit (#1 Car)	V,F,R	
2.f.	Wheel Diameter	V,X		4.t.	Propulsion Overload Light	V,F,R	
2.g.	Axles (Wheel Back to Back Measurement)	V,X		4.u.	Propulsion Megger Reading	V,F,X	
	1: <u>538</u> 2: <u>538</u>			Case: <u>0.8</u> Meg Ω			
	3: <u>538</u> 4: <u>538</u>			4.v.	Contact Shoe Megger Reading	V,F,X	
				Shoe: <u>∞</u> Meg Ω			
2.h.	Axle Ground Brushes and Springs	V,F,R		4.w.	Braking Grids and Cables	V	
2.i.	Axle Ground Ring	V		4.x.	Propulsion Air Supply, Hoses and Piping	V,F	
	Signature: <u>[Signature]</u>			4.y.	Sequence Controls With Box and Cineston	V,F	
2.j.	Axle Ground Housings and Hardware	V,F,R		4.z.	Notch car with 600v "Think Safety"	V,F	
2.k.	Axle Ground Cables Straps and Jumpers	V,F,A,R		Propulsion Inspector Initial Section 4			
Traction Motors				Signature: <u>[Signature]</u> Emp. No: <u>504025</u>			
3	Motors	V		Air & Electric / Couplers Inspection Sections 5,6,7			
3.a.	Motor Filters, Covers	V,F,R		5	Air System	V	PII
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>148 / 128</u>	V,F,A,X	PII	Interior				
5.e.	Compressor Off Time: <u>5</u> min <u>5</u> sec	V,F,X		8	Interior Car body	V	PII	
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>69</u> PSI BP <u>112</u> PSI MIN <u>16</u> PSI MAX <u>37</u> PSI EMERG <u>46</u> PSI SNOW <u>6</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>15</u> PSI #2cs <u>15</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>NA</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>NA</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>PII</u> Emp. No: <u>141171</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		

#1 and #2 CAR

Work Order ID: 6030

Car.No. 1615

Date:

 $8/3/21$

Current-Life-Mileage:

2625012

Last Inspection Life Mileage:

2616 374

Mileage Since Last Inspected:

8639

Deferred Priority Codes: A-Hold for Repair, B-Schedule for Repair

[illegible]

#1 Wheel Size: 28 Condition: Minor Spalls #2 Wheel Size: 27 1/4 Condition: Minor Spalls

#3 Wheel Size: 26 1/2 Condition: minor spalls #4 Wheel Size: 27 1/4 Condition: minor spalls

Foreperson's Signature _____ Employee Number: 72897

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

Task No.	Description	Task	Initials
Doors (Continued)			
10.q.	Door Safety Ground Test: Pin #19: <u>4</u> Ω Pin #20: <u>2</u> Ω	V,F,X	PII
10.r.	No Motion Sensors B-C AXLE 1: <u>93</u> Ω AXLE 2: <u>✓</u> Ω AXLE 3: <u>✓</u> Ω E-F AXLE 4: <u>90</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>PII</u> Emp. No: <u>503921</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	4
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	4
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	1
Fire Extinguisher, 20 lb.	024-10-075	1
Frangible Pins, #1 Car	034-96-131	
Frangible Pins, #2 Car	026-74-001	
Fluorescent Tube T-12 48"	311-55-654	2
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	2
Cam Switch Tip, Fixed	035-90-002	2
Contactor Tip, Copper	035-80-005	
Contactor 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:

8/3/21

CAR NUMBER:

1815

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)

79

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

MBTA REDLINE

#1 and #2 CAR

CAR NO.

1615

DATE:

2/18/22

INSPECTION FORM

MILEAGE SINCE LAST INSPECTED:

7917

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	PII	Signature: PII Emp. No: 73560			
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	PII
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.	Contactor Tips and Shunts	V,F,A,R,C	
1.n.	Trips, Hoses and Hardware	V,F,A,L		4.l.	Contactor 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: 1.4 Meg Ω	V,F,X	
2.e.	Wheel Flanges (gauge)	V		4.v.	Contact Shoe Megger Reading Shoe: 2.50C 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: PII	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: PII Emp. No: 72057			
Traction Motors				Air & Electric / Couplers Inspection Sections 5,6,7			
3	Motors	V		5	Air System	V	PII
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					

Task No.	Description	Task	Initials	Task No.	Description	Task	Initials
Air & Electric / Couplers (continued)				Car Body Inspection Sections 8,9,10			
5.d.	Gov. Pressure Switch; Gov. Off/On PSI <u>130</u> / <u>150</u>	V,F,A,X	PII	Interior			
5.e.	Compressor Off Time: <u>6</u> min <u>00</u> sec	V,F,X		8	Interior Car body	V	PII
5.f.	Intercooler Pressure: <u>30</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>15</u> PSI MAX <u>37</u> PSI EMERG <u>45</u> PSI SNOW <u>8</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</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> </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> </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>PII</u> No: <u>73601</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>90</u> Ω Pin #20: <u>90</u> Ω	V,F,X	PII
10.r.	No Motion Sensors B-C AXLE 1: <u>1.2</u> Ω AXLE 2: <u>X</u> Ω AXLE 3: <u>X</u> Ω E-F AXLE 4: <u>3.4</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>PII</u> Emp. No: <u>503921</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	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	1
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	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	2
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
Contact Tip, Copper	035-80-005	4
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		

MBTA REDLINE
#1 and #2 CAR
DEFERRED ITEMS LIST

Work Order ID: 1324

Car.No. 1615 Date: 2/18/22
 Current-Life-Mileage: 2632929
 Last Inspection Life Mileage: 2625012
 Mileage Since Last Inspected: 7917

Deferred Priority Codes: A-Hold for Repair, B-Schedule for Repair

Task ID	Comments	Act-Code	Priority
C-K4	Stanchion @ F1 door broken off at wall		A
D-	Door F1 shutter		A
E-1	light lens @ f2 door smashed		A
T-F2	#1 1 CS + OCS #1 2 CS snubber need R+R		A
J-	CS Button Box smashed		A
P-	J Contactor melted needs R+R		A
X-	ATO Bar frame bent/damaged CS		A
A-	Intercooler pressure low 30 psi		A
C-V1	No slow speed on wiper		A
C-K5	#1 2 E pull Handle to tight needs adj		A

#1 Wheel Size: 28 Condition: Spells #2 Wheel Size: 27 1/4 Condition: Spells
 #3 Wheel Size: 26 7/8 Condition: Spells #4 Wheel Size: 27 1/4 Condition: Spells

Foreperson's Signature PII Employee Number: 72847

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

EQUAL ACCESS INSPECTION

RED LINE FLEET

DATE:

~~1/18/22~~ 2/18/22

CAR NUMBER:

1615

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)

81

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

