# EQUAL ACCESS INSPECTION

## RED LINE FLEET

DATE: 5/20/2020 CAR NUMBER: 1511

**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)** 86

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

129-150 4.42 127-150 3.46

# A&E Inspectors Worksheet - #1 Car

| | | | | | |
|---|---|---|---|---|---|
| Car # | 1511 | (All pressures +/-2 psi) | Car # | 1510 | (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 | 48 |
| Snow | 8 psi | 10 | Snow | 8 psi | 10 |
| Inshot | 10 psi | 12 | Inshot | 10 psi | 9 |
| | | | | | |
| | | (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 3.46 |
| 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)

| 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.

| | Even | Odd |
|---|---|---|
| **Car Number** | 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:** PII [redacted]

**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: [redacted]

SJM - 8/28/19

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Air & Electric / Couplers (continued)** | | |
| 5d. | Gov. Pressure Switch;<br>Gov. Off/On PSI 150 / 127 | V,F,A,X | PII [redacted] |
| 5.e. | Compressor Off Time: 3 min 46 sec | V,F,X | [redacted] |
| 5.f. | Intercooler Pressure: 33 PSI | V,F,X,P | [redacted] |
| 5.g. | Drain Valve / Tanks (purge) | V,F,P | [redacted] |
| 5.h. | Heaters (compressor and drain valve) | V,F | [redacted] |
| 5.i. | Wiring, Piping, Hoses | V,F | [redacted] |
| 5.j. | Dryers / Filters | V,F | [redacted] |
| 5.k. | Cineston and Deadman Operation,<br>Switch Springs, Cineston Contact Tips | V,F,C,R | [redacted] |
| 5.l. | Console Gauges | V,F,A,R | [redacted] |
| 5.m. | Brake Pressures: Brake Valves<br>SAP 72 PSI<br>BP 110 PSI<br>MIN 14 PSI<br>MAX 40 PSI<br>EMERG 48 PSI<br>SNOW 10 PSI<br>INSHOT 9 PSI | V,F,A,X | [redacted] |
| 5.n. | Air Spring /Leveling Valves, Pressures<br>#1 13 PSI<br>#2cs 13 PSI<br>#2ocs 14 PSI | V,F,A,X | [redacted] |
| | **Auxiliary Electrics** | | |
| 6 | Converter: Gaskets, Covers, Hardware | V,F | [redacted] |
| 6.a. | Electronic Card Rack / Controls | V,F | [redacted] |
| 6.b. | External Resistors: Cabling | V | [redacted] |
| 6.c. | Output Voltage<br>MG / Converter 37.7 volts. | V,F,A,X | [redacted] |
| 6.d. | Battery Enclosure, Cover, Hardware | V,F,C | [redacted] |
| 6.e. | Battery Vent Caps, Terminals, Cables, Trays | V,F,C | [redacted] |
| 6.f. | Battery Cells, Excessive Corrosion | V,F,R,C | [redacted] |
| 6.g. | Battery Electrolyte Level (deionized water)<br>Battery 32.9 volts. | V,F,R,X | [redacted] |
| 6.h. | Snow Brake, Sleet Scraper (amber) Lights | V,F,R | [redacted] |
| | **Couplers** | | |
| 7 | Electric Coupler Boxes and Buttons | V,F,R,C | [redacted] |
| 7.a. | Air Control Valves (EP Box) | V,F | [redacted] |
| 7.b. | Centering Device and Negating Valve | V,F,L | [redacted] |
| 7.c. | Drum Switch | V,F | [redacted] |
| 7.d. | Draft Gears | V,F | [redacted] |
| 7.e. | Coupler Head, Height Adjuster, Gauge | V,F,L | [redacted] |
| 7.f. | Manual Uncouple Lever | V,F,L | [redacted] |
| 7.g. | Drawbar Yoke, Anchor and Casting | V,F | [redacted] |
| 7.h. | Shear Pins and Safety Wire | V,R | [redacted] |
| 7.i. | Radial Carrier | V,F,L | [redacted] |
| 7.j. | Cables, Clamps, Cannon Plugs (safety wire) | V,R | [redacted] |
| 7.k. | Air Pipes, Hoses, Clamps and Hardware | V,R | [redacted] |
| | **Air & Electric / Couplers Inspector Initial Section 5,6,7** | | |
| | Signature: PII [redacted] Emp. No: 569079 | | |

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Car Body Inspection Sections 8,9,10** | | |
| | **Interior** | | |
| 8 | Interior Car body | V | PII [redacted] |
| 8.a. | Glass and Window Gaskets | V,F,R | [redacted] |
| 8.b. | Lighting; Passenger, Cab, Emergency | V,F,R | [redacted] |
| 8.c. | Horns, Buzzers and Bells | V,F | [redacted] |
| 8.d. | Windshield Wiper and Blade | V,F,R | [redacted] |
| 8.e. | Cab Heat and Defroster | V,F,C | [redacted] |
| 8.f. | Radio, PA, Intercom and PEI | V,F | [redacted] |
| 8.g. | Operator's Seat, Visor and Curtains | V,F,R | [redacted] |
| 8.h. | Sash Windows | V,F,R | [redacted] |
| 8.i. | Console Switches and Labels | V,F,R | [redacted] |
| 8.j. | Instruction Decals and Advertising Signs | V,F | [redacted] |
| 8.k. | Safety Equipment: Ladder, 4 Shoe Hooks, Shoe Lifter, 2 Fire Extinguishers, Evac Chair/even car, Rope/Ty-Rap® | V,F,R | [redacted] |
| 8.l. | Low Voltage Circuit Breaker Panel | V | [redacted] |
| 8.m. | Stanchions and Grab Handles | V,F | [redacted] |
| 8.n. | Passenger Seats | V,R | [redacted] |
| 8.o. | Passenger Emergency Pulls and Tabs | V,F,R | [redacted] |
| 8.p. | Interior Panels and Flooring | V | [redacted] |
| 8.q. | Trip Cutout, Horn Cutout and Air Spring Cutouts | V,F | [redacted] |
| 8.r. | Handbrake Ratchet and Micro Switch | V,F,L | [redacted] |
| 8.s. | Destination Signs and Lighting | V,F,R | [redacted] |
| | **Exterior** | | |
| 9 | Exterior Car body | V | [redacted] |
| 9.a. | Destination Signs Roll; Interior / Exterior | V,F,R | [redacted] |
| 9.b. | Marker Lights | V,F,R | [redacted] |
| 9.c. | ATP Operation (amber) Lights | V,F,R | [redacted] |
| 9.d. | Snow brake / Sleet Scraper (amber) Lights | V,F,R | [redacted] |
| 9.e. | End Gate, Springs and Straps | V,F | [redacted] |
| 9.f. | Handbrake, Door Pilot, and Individual Door Leaf Lights | V,F,R | [redacted] |
| | **Doors** | | |
| 10 | Door Operation | V,F | [redacted] |
| 10.a. | Door Control Relay Panel; Relays & Wiring | V,F,C,R | [redacted] |
| 10.b. | Door Open & Close Toggle Switches | V,F,R | [redacted] |
| 10.c. | Door Set-up Switch | V,F | [redacted] |
| 10.d. | Door By-Pass Switch | V,F | [redacted] |
| 10.e. | Door Engine Operators | V,F,A | [redacted] |
| 10.f. | Obstruction Micro Switches | V,F,A | [redacted] |
| 10.g. | Door Locking / Unlocking Assemblies | V,F,A,L | [redacted] |
| 10.h. | Door Obstruction; Test Top, Middle and Bottom | V,F,A | [redacted] |
| 10.i. | Door Leaf Alignment | V,F,A | [redacted] |
| 10.j. | Door Actuators, Tracks, Rollers and Shims | V,F | [redacted] |
| 10.k. | Door Nosing Rubbers, Alignment, Gap and Condition | V,F,A | [redacted] |
| 10.l. | Door Emergency Release Handles | V,F,A | [redacted] |
| 10.m. | #1 End Door (track, lock and latch) | V,F,L,C | [redacted] |
| | | | |
| 10.o. | Cab Door (jamb, hinges and lock) | V,F,L,C | [redacted] |
| 10.p. | Spin Slide System | V,F | [redacted] |

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Doors (Continued)** | | |
| 10.q. | Door Safety Ground Test:<br>Pin #19: .5 Ω<br>Pin #20: .4 Ω | V,F,X | PII [redacted] |
| 10.r. | No Motion Sensors<br>B-C AXLE 1: 92 Ω<br>AXLE 2: Ω<br>AXLE 3: Ω<br>E-F AXLE 4: 97 Ω | V,F,X | [redacted] |
| 10.s. | ATO Readings<br>ASR: Ω<br>FRG: Ω<br>Receiver Coil Reading: Ω | V,F,X | [redacted] |
| | **Equal Access Inspection** | | |
| 11 | Complete Per Procedure Using EAI Form Filed With This Mileage Inspection Form | T | [redacted] |
| | **Car Body Inspector Initial Sections 8,9,10,11** | | |
| | Signature: PII [redacted] Emp. No: 141171 | | |

1511

| Part | Stock Number | Quantity |
|---|---|---|
| Contact Shoe | 025-96-001 | 2 |
| 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 | |
| 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 | 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 | |
| Cam Switch Tip, Fixed | 035-90-002 | |
| Contactor Tip, Copper | 035-80-005 | 4 |
| 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 | | |

**MBTA REDLINE**
**#1 and #2 CAR**
**DEFERRED ITEMS LIST**

Work Order ID: 432-2020-5248

**Car.No.** 1511 **Date:** 5/20/2020
**Current-Life-Mileage:** 2575713
**Last Inspection Life Mileage:** 2568119
**Mileage Since Last Inspected:** 7594

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

| Task ID | Comments | Act-Code | Priority |
|---|---|---|---|
| 5- | #1 END coupler lower Air Line Pig Rittal SCHAFFED | | A |
| | | | |
| T-F2 | #2 DCS Vertical Shock Needs R+R | | A |
| | | | |
| E-1126 | #1 C/S SHAE FUSE BRACKET Broken + loose Hardware | | A |
| | | | |
| B- | #2 DCS Brake Pack Bangs on Release | | A |
| | | | |
| E-1 | DIS open marker light inop (move for stalling) C-1 ext Relatight | | A |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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

Foreperson's Signature PII [redacted] Employee Number: 71755

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

Revl 10-19

**MBTA REDLINE**
**#1 and #2 CAR**

**CAR NO.** 1511 **DATE:** 5/20/2020

**INSPECTION FORM** **MILEAGE SINCE LAST INSPECTED:** 7594

| 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 |
|---|---|---|---|
| | **Truck Inspection Sections 1,2,3** | | |
| 1 | Truck Frame | V | PII |
| 1.a. | King Pin and Hardware | V,F | [redacted] |
| 1.b. | Hoses, Piping and Clamps | V,F | [redacted] |
| 1.c. | Cables, Ground Straps | V,F,R | [redacted] |
| 1.d. | Bearer Surfaces ; Center and Side | V,F | [redacted] |
| 1.e. | Journal Springs | V | [redacted] |
| 1.f. | Pedestal Bolts | V,A | [redacted] |
| 1.g. | Bolster Anchors Shimming and Bolts | V,F | [redacted] |
| 1.h. | Dampers, Snubbers and Shocks | V,F | [redacted] |
| 1.i. | Hand Brake Linkage | V,F,A,L,R | [redacted] |
| 1.j. | Shoe Beams, Flash Shields (hardware) | V,F,A | [redacted] |
| 1.k. | Collector Paddles (height and tension) | V,F,A,R | [redacted] |
| 1.l. | Shoe Shunts, Fuses and Hardware | V,F,A,R | [redacted] |
| 1.m. | Sleet Scrapers, Blades, Hoses and Hardware | V,F,A,L,R | [redacted] |
| 1.n. | Trips, Hoses and Hardware | V,F,A,L | [redacted] |
| 1.o. | Brake Units, Shoes, Keys, Piping and Hoses | V,F,A,L,R | [redacted] |
| 1.p. | Brake Cutout, Linkage and Hardware | V,F,L | [redacted] |
| 1.q. | ATP Receiver Coils and Hardware | V,C | [redacted] |
| | **Gear Units** | | [redacted] |
| 2 | Gears | V | [redacted] |
| 2.a. | Gear Oil | V,R | [redacted] |
| 2.b. | Covers, Plugs and Breathers | V,C | [redacted] |
| 2.c. | Bearings, Wear Plates, Temperature Tag | V,L,R | [redacted] |
| 2.d. | Wheels | V | [redacted] |
| 2.e. | Wheel Flanges (gauge) | V | [redacted] |
| 2.f. | Wheel Diameter | V,X | [redacted] |
| 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 | [redacted] |
| 2.h. | Axle Ground Brushes and Springs | V,F,R | [redacted] |
| 2.i. | Axle Ground Ring Signature: PII [redacted] | V | [redacted] |
| 2.j. | Axle Ground Housings and Hardware | V,F,R | [redacted] |
| 2.k | Axle Ground Cables Straps and Jumpers | V,F,A,R | [redacted] |
| | **Traction Motors** | | [redacted] |
| 3 | Motors | V | [redacted] |
| 3.a. | Motor Filters, Covers | V,F,R | [redacted] |
| 3.b. | Motor Brushes, Brush holders | V,F,R | [redacted] |
| 3.c. | Horizontal Mounting Bolts and Bushings | V | [redacted] |
| 3.d. | Vertical Mounting Bolts and Bushings | V | [redacted] |
| 3.e. | Safety Brackets and Hardware | V,F | [redacted] |
| 3.f. | Motor to Gear Unit Bolts (torque) 150 ft-lbs. | V,A | [redacted] |
| 3.g. | Motor Cables and Clamps | V,F | [redacted] |
| 3.h. | Motor Clamshell Leads | V | [redacted] |
| 3.i. | Clamshell Contacts and Hardware | V | [redacted] |

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Truck Inspector Initial Sections 1,2,3** | | |
| | Signature: PII [redacted] Emp. No: 71995 | | |
| | **Propulsion Section 4** | | |
| 4 | Propulsion Enclosure, Covers, Gaskets | V,F,C | PII |
| 4.a. | Propulsion Relays and Tips | V,F,C,R | [redacted] |
| 4.b. | Cables, Wiring, Connections | V,F,A | [redacted] |
| 4.c. | Line Switch Coil-Blowout, Overload | V,F,A,R,C | [redacted] |
| 4.d. | Line Switch Tips-Main, Overload | V,F,A,R,C | [redacted] |
| 4.e. | Operation of all Mag Valves | V,F,L | [redacted] |
| 4.f. | SPC Tips, Cam Rollers, Shunts | V,F,A,R,C | [redacted] |
| 4.g. | SPC Interlock Tips | V,F,A,R,C | [redacted] |
| 4.h. | PBC Tips, Cam Rollers, Shunts | V,F,A,R,C | [redacted] |
| 4.i. | Reverser Segments and Insulators | V,F,R,C | [redacted] |
| 4.j. | Reverser Interlock Tips | V,F,A,R,C | [redacted] |
| 4.k. | Contactor Tips and Shunts | V,F,A,R,C | [redacted] |
| 4.l. | Contactor Interlock Tips, Shunts, Arms | V,F,A,R,C | [redacted] |
| 4.m. | Electronic Cards | V,F,R | [redacted] |
| 4.n. | Cam Controller, Switches, Tips and Shunts | V,F,A,R,C | [redacted] |
| 4.o. | Mag Amp Wiring and Connections | V,F | [redacted] |
| 4.p. | Field Forcing Panel, Fuse, Wiring | V,F | [redacted] |
| 4.q. | Field Shunt Resistors, Fuse, Wiring | V,F,R | [redacted] |
| 4.r. | Inshot Valve Operation | V,F,A | [redacted] |
| 4.s. | Propulsion Ground Fault Unit (#1 Car) | V,F,R | [redacted] |
| 4.t. | Propulsion Overload Light | V,F,R | [redacted] |
| 4.u. | Propulsion Megger Reading Case: 0.0.5 Meg Ω | V,F,X | [redacted] |
| 4.v. | Contact Shoe Megger Reading Shoe: ∞ Meg Ω | V,F,X | [redacted] |
| 4.w. | Braking Grids and Cables | V | [redacted] |
| 4.x. | Propulsion Air Supply, Hoses and Piping | V,F | [redacted] |
| 4.y. | Sequence Controls With Box and Cineston | V,F | [redacted] |
| 4.z | Notch car with 600v **"Think Safety"** | V,F | [redacted] |
| | **Propulsion Inspector Initial Section 4** | | |
| | Signature: PII [redacted] Emp. No: 509674 | | |
| | **Air & Electric / Couplers Inspection Sections 5,6,7** | | |
| 5 | Air System | V | PII |
| 5.a. | Compressor Motor Brushes | V,F,C,R | [redacted] |
| 5.b. | Air Compressor Unit, Oil Level | V,F,L,R | [redacted] |
| 5.c. | Compressor Control Box and Tips | V,F,R | [redacted] |
| | | | |

**MBTA REDLINE**
**#1 and #2 CAR**

**CAR NO.** 1511 **DATE:** 7/27/20

**INSPECTION FORM**

**MILEAGE SINCE LAST INSPECTED:** 9,043

Tasks: V-Visual, F-Verify proper function, A-Adjust to proper setting, L-Lubricate, R-Replace as needed, X-Record values, C-Clean, P-Purge, 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 |
|---|---|---|---|
| | **Truck Inspection Sections 1,2,3** | | |
| 1 | Truck Frame | V | PII |
| 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: 53 3/8 2: 53 3/8 3: 53 3/8 4: 53 3/8 | V,X | |
| 2.h. | Axle Ground Brushes and Springs | V,F,R | |
| 2.i. | Axle Ground Ring Signature: PII | 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: PII Emp. No: 70885 | | |
| | **Propulsion Section 4** | | |
| 4 | Propulsion Enclosure, Covers, Gaskets | V,F,C | PII |
| 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. | Contactor Tips and Shunts | V,F,A,R,C | |
| 4.l. | Contactor 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: 4 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: PII Emp. No: 503921 | | |
| | **Air & Electric / Couplers Inspection Sections 5,6,7** | | |
| 5 | Air System | V | PII |
| 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 | |
| | | | |

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Air & Electric / Couplers (continued)** | | |
| 5d. | Gov. Pressure Switch; Gov. Off/On PSI 151 / 128 | V,F,A,X | PII |
| 5.e. | Compressor Off Time: 5 min 10 sec | V,F,X | |
| 5.f. | Intercooler Pressure: 41 PSI | V,F,X,P | |
| 5.g. | Drain Valve / Tanks (purge) | V,F,P | |
| 5.h. | Heaters (compressor and drain valve) | V,F | |
| 5.i. | Wiring, Piping, Hoses | V,F | |
| 5.j. | Dryers / Filters | V,F | |
| 5.k. | Cineston and Deadman Operation, Switch Springs, Cineston Contact Tips | V,F,C,R | |
| 5.l. | Console Gauges | V,F,A,R | |
| 5.m. | Brake Pressures: Brake Valves<br>SAP 72 PSI<br>BP 110 PSI<br>MIN 16 PSI<br>MAX 36 PSI<br>EMERG 46 PSI<br>SNOW 10 PSI<br>INSHOT 10 PSI | V,F,A,X | |
| 5.n. | Air Spring /Leveling Valves, Pressures<br>#1 15 PSI<br>#2cs 13 PSI<br>#2ocs 16 PSI | V,F,A,X | |
| | **Auxiliary Electrics** | | |
| 6 | Converter: Gaskets, Covers, Hardware | V,F | |
| 6.a. | Electronic Card Rack / Controls | V,F | |
| 6.b. | External Resistors: Cabling | V | |
| 6.c. | Output Voltage<br>MG / Converter 37.20 volts. | V,F,A,X | |
| 6.d. | Battery Enclosure, Cover, Hardware | V,F,C | |
| 6.e. | Battery Vent Caps, Terminals, Cables, Trays | V,F,C | |
| 6.f. | Battery Cells, Excessive Corrosion | V,F,R,C | |
| 6.g. | Battery Electrolyte Level (deionized water)<br>Battery 32.58 volts. | V,F,R,X | |
| 6.h. | Snow Brake, Sleet Scraper (amber) Lights | V,F,R | |
| | **Couplers** | | |
| 7 | Electric Coupler Boxes and Buttons | V,F,R,C | |
| 7.a. | Air Control Valves (EP Box) | V,F | |
| 7.b. | Centering Device and Negating Valve | V,F,L | |
| 7.c. | Drum Switch | V,F | |
| 7.d. | Draft Gears | V,F | |
| 7.e. | Coupler Head, Height Adjuster, Gauge | V,F,L | |
| 7.f. | Manual Uncouple Lever | V,F,L | |
| 7.g. | Drawbar Yoke, Anchor and Casting | V,F | |
| 7.h. | Shear Pins and Safety Wire | V,R | |
| 7.i. | Radial Carrier | V,F,L | |
| 7.j. | Cables, Clamps, Cannon Plugs (safety wire) | V,R | |
| 7.k. | Air Pipes, Hoses, Clamps and Hardware | V,R | |
| | **Air & Electric / Couplers Inspector Initial Section 5,6,7** | | |

Signature: PII [redacted] Emp. No: 72847

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Car Body Inspection Sections 8,9,10** | | |
| | **Interior** | | |
| 8 | Interior Car body | V | PII |
| 8.a. | Glass and Window Gaskets | V,F,R | |
| 8.b. | Lighting; Passenger, Cab, Emergency | V,F,R | |
| 8.c. | Horns, Buzzers and Bells | V,F | |
| 8.d. | Windshield Wiper and Blade | V,F,R | |
| 8.e. | Cab Heat and Defroster | V,F,C | |
| 8.f. | Radio, PA, Intercom and PEI | V,F | |
| 8.g. | Operator's Seat, Visor and Curtains | V,F,R | |
| 8.h. | Sash Windows | V,F,R | |
| 8.i. | Console Switches and Labels | V,F,R | |
| 8.j. | Instruction Decals and Advertising Signs | 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 | |
| 8.l. | Low Voltage Circuit Breaker Panel | V | |
| 8.m. | Stanchions and Grab Handles | V,F | |
| 8.n. | Passenger Seats | V,R | |
| 8.o. | Passenger Emergency Pulls and Tabs | V,F,R | |
| 8.p. | Interior Panels and Flooring | V | |
| 8.q. | Trip Cutout, Horn Cutout and Air Spring Cutouts | V,F | |
| 8.r. | Handbrake Ratchet and Micro Switch | V,F,L | |
| 8.s. | Destination Signs and Lighting | V,F,R | |
| | **Exterior** | | |
| 9 | Exterior Car body | V | |
| 9.a. | Destination Signs Roll; Interior / Exterior | V,F,R | |
| 9.b. | Marker Lights | V,F,R | |
| 9.c. | ATP Operation (amber) Lights | V,F,R | |
| 9.d. | Snow brake / Sleet Scraper (amber) Lights | V,F,R | |
| 9.e. | End Gate, Springs and Straps | V,F | |
| 9.f. | Handbrake, Door Pilot, and Individual Door Leaf Lights | V,F,R | |
| | **Doors** | | |
| 10 | Door Operation | V,F | |
| 10.a. | Door Control Relay Panel; Relays & Wiring | V,F,C,R | |
| 10.b. | Door Open & Close Toggle Switches | V,F,R | |
| 10.c. | Door Set-up Switch | V,F | |
| 10.d. | Door By-Pass Switch | V,F | |
| 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 | |

**MBTA REDLINE**
**#1 and #2 CAR**
**DEFERRED ITEMS LIST**

**Work Order ID:** 432-2020- 7886

**Car.No.** 1511 **Date:** 7/27/20
**Current-Life-Mileage:** 2584756
**Last Inspection Life Mileage:** 2575713
**Mileage Since Last Inspected:** 9043

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

| Task ID | Comments | Act-Code | Priority |
|---|---|---|---|
| D-M | No motion sensors Reading High | | A |
| 2X | PEI unit in Pass Compartment Mic Inop? | | A |
| J- | OCS Coupler Button Box Gasket Torn. | | A |
| A- | Air Line into Intercooler leaking. | | A |
| X- | ATO Bushings worn | | A |
| P- | Propulsion Case Megger Reading Low. | | A |

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

Foreperson's Signature PII [redacted] Employee Number: 67516

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

*Rev1 10-19*

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Doors (Continued)** | | |
| 10.q. | Door Safety Ground Test:<br>Pin #19: 0.3 Ω<br>Pin #20: 0.4 Ω | V,F,X | PII [redacted] |
| 10.r. | No Motion Sensors<br>B-C AXLE 1: 102.0 Ω<br>AXLE 2: N/A Ω<br>AXLE 3: N/A Ω<br>E-F AXLE 4: 101.7 Ω | V,F,X | [redacted] |
| 10.s. | ATO Readings<br>ASR: N/A Ω<br>FRG: N/A Ω<br>Receiver Coil Reading: N/A Ω | V,F,X | [redacted] |
| | **Equal Access Inspection** | | |
| 11 | Complete Per Procedure Using EAI Form Filed With This Mileage Inspection Form | T | [redacted] |
| | **Car Body Inspector Initial Sections 8,9,10,11** | | |

Signature: PII [redacted] Emp. No: 71995

| 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 | 1 |
| 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 | 1 |
| 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 | 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 | 19 |
| Cam Switch Tip, Fixed | 035-90-002 | 19 |
| Contactor Tip, Copper | 035-80-005 | |
| Contactor Tip, Silver | 035-65-319 | 12 |
| 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: 7/27/20 CAR NUMBER: 1511

**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)** 85

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

# EQUAL ACCESS INSPECTION

## RED LINE FLEET

DATE: 10-19-20 CAR NUMBER: 1511

**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)** 76

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

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Air & Electric / Couplers (continued)** | | |
| 5d. | Gov. Pressure Switch; Gov. Off/On PSI 150 / 130 | V,F,A,X | PII |
| 5.e. | Compressor Off Time: 3 min 28 sec | V,F,X | [redacted] |
| 5.f. | Intercooler Pressure: 30 PSI | V,F,X,P | [redacted] |
| 5.g. | Drain Valve / Tanks (purge) | V,F,P | [redacted] |
| 5.h. | Heaters (compressor and drain valve) | V,F | [redacted] |
| 5.i. | Wiring, Piping, Hoses | V,F | [redacted] |
| 5.j. | Dryers / Filters | V,F | [redacted] |
| 5.k. | Cineston and Deadman Operation, Switch Springs, Cineston Contact Tips | V,F,C,R | [redacted] |
| 5.l. | Console Gauges | V,F,A,R | [redacted] |
| 5.m. | Brake Pressures: Brake Valves<br>SAP 71 PSI<br>BP 109 PSI<br>MIN 15 PSI<br>MAX 34 PSI<br>EMERG 42 PSI<br>SNOW 10 PSI<br>INSHOT 16 PSI | V,F,A,X | [redacted] |
| 5.n. | Air Spring /Leveling Valves, Pressures<br>#1 15 PSI<br>#2cs 15 PSI<br>#2ocs 16 PSI | V,F,A,X | [redacted] |
| | **Auxiliary Electrics** | | |
| 6 | Converter: Gaskets, Covers, Hardware | V,F | [redacted] |
| 6.a. | Electronic Card Rack / Controls | V,F | [redacted] |
| 6.b. | External Resistors: Cabling | V | [redacted] |
| 6.c. | Output Voltage<br>MG / Converter 32.6 volts. | V,F,A,X | [redacted] |
| 6.d. | Battery Enclosure, Cover, Hardware | V,F,C | [redacted] |
| 6.e. | Battery Vent Caps, Terminals, Cables, Trays | V,F,C | [redacted] |
| 6.f. | Battery Cells, Excessive Corrosion | V,F,R,C | [redacted] |
| 6.g. | Battery Electrolyte Level (deionized water)<br>Battery 37.5 volts. | V,F,R,X | [redacted] |
| 6.h. | Snow Brake, Sleet Scraper (amber) Lights | V,F,R | [redacted] |
| | **Couplers** | | |
| 7 | Electric Coupler Boxes and Buttons | V,F,R,C | [redacted] |
| 7.a. | Air Control Valves (EP Box) | V,F | [redacted] |
| 7.b. | Centering Device and Negating Valve | V,F,L | [redacted] |
| 7.c. | Drum Switch | V,F | [redacted] |
| 7.d. | Draft Gears | V,F | [redacted] |
| 7.e. | Coupler Head, Height Adjuster, Gauge | V,F,L | [redacted] |
| 7.f. | Manual Uncouple Lever | V,F,L | [redacted] |
| 7.g. | Drawbar Yoke, Anchor and Casting | V,F | [redacted] |
| 7.h. | Shear Pins and Safety Wire | V,R | [redacted] |
| 7.i. | Radial Carrier | V,F,L | [redacted] |
| 7.j. | Cables, Clamps, Cannon Plugs (safety wire) | V,R | [redacted] |
| 7.k. | Air Pipes, Hoses ,Clamps and Hardware | V,R | [redacted] |
| | **Air & Electric / Couplers Inspector Initial Section 5,6,7** | | |

Signature: PII [redacted] Emp. No: 449354

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Car Body Inspection Sections 8,9,10** | | |
| | **Interior** | | |
| 8 | Interior Car body | V | PII |
| 8.a. | Glass and Window Gaskets | V,F,R | [redacted] |
| 8.b. | Lighting: Passenger, Cab, Emergency | V,F,R | [redacted] |
| 8.c. | Horns, Buzzers and Bells | V,F | [redacted] |
| 8.d. | Windshield Wiper and Blade | V,F,R | [redacted] |
| 8.e. | Cab Heat and Defroster | V,F,C | [redacted] |
| 8.f. | Radio, PA, Intercom and PEI | V,F | [redacted] |
| 8.g. | Operator's Seat, Visor and Curtains | V,F,R | [redacted] |
| 8.h. | Sash Windows | V,F,R | [redacted] |
| 8.i. | Console Switches and Labels | V,F,R | [redacted] |
| 8.j. | Instruction Decals and Advertising Signs | V,F | [redacted] |
| 8.k. | Safety Equipment: Ladder, 4 Shoe Hooks, Shoe Lifter, 2 Fire Extinguishers, Evac Chair/even car, Rope/Ty-Rap® | V,F,R | [redacted] |
| 8.l. | Low Voltage Circuit Breaker Panel | V | [redacted] |
| 8.m. | Stanchions and Grab Handles | V,F | [redacted] |
| 8.n. | Passenger Seats | V,R | [redacted] |
| 8.o. | Passenger Emergency Pulls and Tabs | V,F,R | [redacted] |
| 8.p. | Interior Panels and Flooring | V | [redacted] |
| 8.q. | Trip Cutout, Horn Cutout and Air Spring Cutouts | V,F | [redacted] |
| 8.r. | Handbrake Ratchet and Micro Switch | V,F,L | [redacted] |
| [illegible] | Destination Signs and Lighting | V,F,R | [redacted] |
| | **Exterior** | | |
| 9 | Exterior Car body | V | [redacted] |
| 9.a | Destination Signs Roll; Interior / Exterior | V,F,R | [redacted] |
| 9.b. | Marker Lights | V,F,R | [redacted] |
| 9.c. | ATP Operation (amber) Lights | V,F,R | [redacted] |
| 9.d. | Snow brake / Sleet Scraper (amber) Lights | V,F,R | [redacted] |
| 9.e. | End Gate, Springs and Straps | V,F | [redacted] |
| 9.f. | Handbrake , Door Pilot, and Individual Door Leaf Lights | V,F,R | [redacted] |
| | **Doors** | | |
| 10 | Door Operation | V,F | [redacted] |
| 10.a. | Door Control Relay Panel; Relays & Wiring | V,F,C,R | [redacted] |
| 10.b. | Door Open & Close Toggle Switches | V,F,R | [redacted] |
| 10.c. | Door Set-up Switch | V,F | [redacted] |
| 10.d. | Door By-Pass Switch | V,F | [redacted] |
| 10.e. | Door Engine Operators | V,F,A | [redacted] |
| 10.f. | Obstruction Micro Switches | V,F,A | [redacted] |
| 10.g. | Door Locking / Unlocking Assemblies | V,F,A,L | [redacted] |
| 10.h. | Door Obstruction; Test Top, Middle and Bottom | V,F,A | [redacted] |
| 10.i. | Door Leaf Alignment | V,F,A | [redacted] |
| 10.j. | Door Actuators, Tracks , Rollers and Shims | V,F | [redacted] |
| 10.k. | Door Nosing Rubbers, Alignment, Gap and Condition | V,F,A | [redacted] |
| 10.l. | Door Emergency Release Handles | V,F,A | [redacted] |
| 10.m. | #1 End Door (track, lock and latch) | V,F,L,C | [redacted] |
| | | | [redacted] |
| 10.o. | Cab Door (jamb, hinges and lock) | V,F,L,C | [redacted] |
| 10.p. | Spin Slide System | V,F | [redacted] |

**MBTA REDLINE**
**#1 and #2 CAR**

**CAR NO.** 1511 **DATE:** 10-19-20

**INSPECTION FORM**

**MILEAGE SINCE LAST INSPECTED:** 7977

| 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 |
|---|---|---|---|
| | **Truck Inspection Sections 1,2,3** | | |
| 1 | Truck Frame | V | PII [redacted] |
| 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: 53 3/8 2: 53 3/8 3: 53 3/8 4: 53 3/8 | V,X | |
| 2.h. | Axle Ground Brushes and Springs | V,F,R | |
| 2.i. | Axle Ground Ring Signature: PII [redacted] | 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** | | |
| | PII [redacted] Signature: Emp. No: 72544 | | |
| | **Propulsion Section 4** | | |
| 4 | Propulsion Enclosure, Covers, Gaskets | V,F,C | PII [redacted] |
| 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. | Contactor Tips and Shunts | V,F,A,R,C | |
| 4.l. | Contactor 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: .6 Meg Ω | V,F,X | |
| 4.v. | Contact Shoe Megger Reading Shoe: 100+ 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** | | |
| | PII [redacted] Signature: Emp. No: 66311 | | |
| | **Air & Electric / Couplers Inspection Sections 5,6,7** | | |
| 5 | Air System | V | PII [redacted] |
| 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 | |

**MBTA REDLINE**
**#1 and #2 CAR**

**CAR NO.** 1511 **DATE:** 3/27/22

**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 |
|---|---|---|---|
| | **Truck Inspection Sections 1,2,3** | | |
| 1 | Truck Frame | V | PII [redacted] |
| 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: 53 3/8 2: 53 3/8 3: 53 3/8 4: 53 3/8 | V,X | |
| 2.h. | Axle Ground Brushes and Springs | V,F,R | |
| 2.i. | Axle Ground Ring Signature: [redacted] | 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: PII [redacted] Emp. No: 73560 | | |
| | **Propulsion Section 4** | | |
| 4 | Propulsion Enclosure, Covers, Gaskets | V,F,C | PII [redacted] |
| 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. | Contactor Tips and Shunts | V,F,A,R,C | |
| 4.l. | Contactor 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: 0.5 Meg Ω | V,F,X | |
| 4.v. | Contact Shoe Megger Reading Shoe: 760 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: PII [redacted] Emp. No: 67529 | | |
| | **Air & Electric Couplers Inspection Sections 5,6,7** | | |
| 5 | Air System | V | PII [redacted] |
| 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 | |
| | | | |

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Air & Electric / Couplers (continued)** | | |
| 5d. | Gov. Pressure Switch;<br>Gov. Off/On PSI 130 / 151 | V,F,A,X | PII |
| 5.e. | Compressor Off Time: 2 min 20 sec | V,F,X | [redacted] |
| 5.f. | Intercooler Pressure: 140 PSI | V,F,X,P | [redacted] |
| 5.g. | Drain Valve / Tanks (purge) | V,F,P | [redacted] |
| 5.h. | Heaters (compressor and drain valve) | V,F | [redacted] |
| 5.i. | Wiring, Piping, Hoses | V,F | [redacted] |
| 5.j. | Dryers / Filters | V,F | [redacted] |
| 5.k. | Cineston and Deadman Operation, Switch Springs, Cineston Contact Tips | V,F,C,R | [redacted] |
| 5.l. | Console Gauges | V,F,A,R | [redacted] |
| 5.m. | Brake Pressures: Brake Valves<br>SAP 79 PSI<br>BP 110 PSI<br>MIN 14.3 PSI<br>MAX 34.8 PSI<br>EMERG 46. PSI<br>SNOW 10 PSI<br>INSHOT 9.3 PSI | V,F,A,X | [redacted] |
| 5.n. | Air Spring /Leveling Valves, Pressures<br>#1 14 PSI<br>#2cs 13 PSI<br>#2ocs 13.5 PSI | V,F,A,X | [redacted] |
| | **Auxiliary Electrics** | | |
| 6 | Converter: Gaskets, Covers, Hardware | V,F | [redacted] |
| 6.a. | Electronic Card Rack / Controls | V,F | [redacted] |
| 6.b. | External Resistors: Cabling | V | [redacted] |
| 6.c. | Output Voltage<br>MG / Converter 37.7 volts. | V,F,A,X | [redacted] |
| 6.d. | Battery Enclosure, Cover, Hardware | V,F,C | [redacted] |
| 6.e. | Battery Vent Caps, Terminals, Cables, Trays | V,F,C | [redacted] |
| 6.f. | Battery Cells, Excessive Corrosion | V,F,R,C | [redacted] |
| 6.g. | Battery Electrolyte Level (deionized water)<br>Battery 27.6 volts. | V,F,R,X | [redacted] |
| 6.h. | Snow Brake, Sleet Scraper (amber) Lights | V,F,R | [redacted] |
| | **Couplers** | | |
| 7 | Electric Coupler Boxes and Buttons | V,F,R,C | [redacted] |
| 7.a. | Air Control Valves (EP Box) | V,F | [redacted] |
| 7.b. | Centering Device and Negating Valve | V,F,L | [redacted] |
| 7.c. | Drum Switch | V,F | [redacted] |
| 7.d. | Draft Gears | V,F | [redacted] |
| 7.e. | Coupler Head, Height Adjuster, Gauge | V,F,L | [redacted] |
| 7.f. | Manual Uncouple Lever | V,F,L | [redacted] |
| 7.g. | Drawbar Yoke, Anchor and Casting | V,F | [redacted] |
| 7.h. | Shear Pins and Safety Wire | V,R | [redacted] |
| 7.i. | Radial Carrier | V,F,L | [redacted] |
| 7.j. | Cables, Clamps, Cannon Plugs (safety wire) | V,R | [redacted] |
| 7.k. | Air Pipes, Hoses, Clamps and Hardware | V,R | [redacted] |
| | **Air & Electric / Couplers Inspector Initial Section 5,6,7** | | |

Signature PII [redacted] Emp. No: 504025

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Car Body Inspection Sections 8,9,10** | | |
| | **Interior** | | |
| 8 | Interior Car body | V | PII |
| 8.a. | Glass and Window Gaskets | V,F,R | [redacted] |
| 8.b. | Lighting; Passenger, Cab, Emergency | V,F,R | [redacted] |
| 8.c. | Horns, Buzzers and Bells | V,F | [redacted] |
| 8.d. | Windshield Wiper and Blade | V,F,R | [redacted] |
| 8.e. | Cab Heat and Defroster | V,F,C | [redacted] |
| 8.f. | Radio, PA, Intercom and PEI | V,F | [redacted] |
| 8.g. | Operator's Seat, Visor and Curtains | V,F,R | [redacted] |
| 8.h. | Sash Windows | V,F,R | [redacted] |
| 8.i. | Console Switches and Labels | V,F,R | [redacted] |
| 8.j. | Instruction Decals and Advertising Signs | V,F | [redacted] |
| 8.k. | Safety Equipment: Ladder, 4 Shoe Hooks, Shoe Lifter, 2 Fire Extinguishers, Evac Chair/even car, Rope/Ty-Rap® | V,F,R | [redacted] |
| 8.l. | Low Voltage Circuit Breaker Panel | V | [redacted] |
| 8.m. | Stanchions and Grab Handles | V,F | [redacted] |
| 8.n. | Passenger Seats | V,R | [redacted] |
| 8.o. | Passenger Emergency Pulls and Tabs | V,F,R | [redacted] |
| 8.p. | Interior Panels and Flooring | V | [redacted] |
| 8.q. | Trip Cutout, Horn Cutout and Air Spring Cutouts | V,F | [redacted] |
| 8.r. | Handbrake Ratchet and Micro Switch | V,F,L | [redacted] |
| 8.s. | Destination Signs and Lighting | V,F,R | [redacted] |
| | **Exterior** | | |
| 9 | Exterior Car body | V | [redacted] |
| 9.a. | Destination Signs Roll; Interior / Exterior | V,F,R | [redacted] |
| 9.b. | Marker Lights | V,F,R | [redacted] |
| 9.c. | ATP Operation (amber) Lights | V,F,R | [redacted] |
| 9.d. | Snow brake / Sleet Scraper (amber) Lights | V,F,R | [redacted] |
| 9.e. | End Gate, Springs and Straps | V,F | [redacted] |
| 9.f. | Handbrake, Door Pilot, and Individual Door Leaf Lights | V,F,R | [redacted] |
| | **Doors** | | |
| 10 | Door Operation | V,F | [redacted] |
| 10.a. | Door Control Relay Panel; Relays & Wiring | V,F,C,R | [redacted] |
| 10.b. | Door Open & Close Toggle Switches | V,F,R | [redacted] |
| 10.c. | Door Set-up Switch | V,F | [redacted] |
| 10.d. | Door By-Pass Switch | V,F | [redacted] |
| 10.e. | Door Engine Operators | V,F,A | [redacted] |
| 10.f. | Obstruction Micro Switches | V,F,A | [redacted] |
| 10.g. | Door Locking / Unlocking Assemblies | V,F,A,L | [redacted] |
| 10.h. | Door Obstruction; Test Top, Middle and Bottom | V,F,A | [redacted] |
| 10.i. | Door Leaf Alignment | V,F,A | [redacted] |
| 10.j. | Door Actuators, Tracks, Rollers and Shims | V,F | [redacted] |
| 10.k. | Door Nosing Rubbers, Alignment, Gap and Condition | V,F,A | [redacted] |
| 10.l. | Door Emergency Release Handles | V,F,A | [redacted] |
| 10.m. | #1 End Door (track, lock and latch) | V,F,L,C | [redacted] |
| | | | |
| 10.o. | Cab Door (jamb, hinges and lock) | V,F,L,C | [redacted] |
| 10.p. | Spin Slide System | V,F | [redacted] |

| Task No. | Description | Task | Initials |
|---|---|---|---|
| | **Doors (Continued)** | | |
| 10.q. | Door Safety Ground Test:<br>Pin #19: .5 Ω<br>Pin #20: .5 Ω | V,F,X | PII [redacted] |
| 10.r. | No Motion Sensors<br>B-C AXLE 1: 92 Ω<br>AXLE 2: X Ω<br>AXLE 3: X Ω<br>E-F AXLE 4: 94 Ω | V,F,X | [redacted] |
| 10.s. | ATO Readings<br>ASR: _____ Ω<br>FRG: _____ Ω<br>Receiver Coil Reading: _____ Ω | V,F,X | [redacted] |
| | **Equal Access Inspection** | | |
| 11 | Complete Per Procedure Using EAI Form Filed With This Mileage Inspection Form | T | [redacted] |
| | **Car Body Inspector Initial Sections 8,9,10,11** | | |

Signature: PII [redacted] Emp. No: 503921

| Part | Stock Number | Quantit |
|---|---|---|
| Contact Shoe | 025-96-001 | 2 |
| 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 | 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 | 9 |
| 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 | 6 |
| Cam Switch Tip, Fixed | 035-90-002 | 6 |
| Contactor Tip, Copper | 035-80-005 | 8 |
| Contactor Tip, Silver | 035-65-319 | [redacted] |
| 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: 432-2022-2238

**Car.No.** 1511 **Date:** 03/21/22
**Current-Life-Mileage:** 2600992
**Last Inspection Life Mileage:** 2592733
**Mileage Since Last Inspected:** 8259

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

| Task ID | Comments | Act-Code | Priority |
|---|---|---|---|
| B-U | #3 OCS B/P won't adjust | | A |
| | | | |
| E-25A | #2 end interior lights inop. relamp no help | | A |
| | | | |
| P- | Propulsion case won't go into 4th power | | A |
| | | | |
| A- | Air compressor dwell time too short | | A |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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

Foreperson's Signature PII [redacted] Employee Number: 72238

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

Rev1 10-19

# EQUAL ACCESS INSPECTION

## RED LINE FLEET

DATE: 03/27/22 CAR NUMBER: 1511

**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 n/a | | X n/a | |
| H | X n/a | | X n/a | |

**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)** 87

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