

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

CAR NO. 1614

DATE: 8/3/21

**INSPECTION FORM**

MILEAGE SINCE LAST INSPECTED: 8644

|        |                            |                     |         |
|--------|----------------------------|---------------------|---------|
| 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 |
|----------------------------------------|-----------------------------------------------|-----------|----------------------------------------------------------------|-----------------------------------------------|---------------------------------------|-----------|----------|
| <b>Truck Inspection Sections 1,2,3</b> |                                               |           |                                                                | <b>Truck Inspector Initial Sections 1,2,3</b> |                                       |           |          |
| 1                                      | Truck Frame                                   | V         | PII                                                            | Signature: [Redacted] Emp. No: <u>16606</u>   |                                       |           |          |
| 1.a                                    | King Pin and Hardware                         | V,F       |                                                                | Signature: [Redacted] Emp. No: <u>16606</u>   |                                       |           |          |
| 1.b                                    | Hoses, Piping and Clamps                      | V,F       |                                                                | <b>Propulsion Section 4</b>                   |                                       |           |          |
| 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                                                            | Contactors Tips and Shunts                    | V,F,A,R,C                             |           |          |
| 1.o                                    | Brake Units, Shoes, Keys, Piping and Hoses    | V,F,A,L,R | 4.l                                                            | Contactors 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                             |           |          |
| <b>Gear Units</b>                      |                                               |           |                                                                | 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>∞</u> Meg Ω                                           |                                               |                                       |           |          |
| 2.g                                    | Axles (Wheel Back to Back Measurement)        | V,X       | 4.v                                                            | Contact Shoe Megger Reading                   | V,F,X                                 |           |          |
| 1: <u>533/8</u>                        | 2: <u>533/8</u>                               |           | Shoe: <u>1.2</u> Meg Ω                                         |                                               |                                       |           |          |
| 3: <u>533/8</u>                        | 4: <u>533/8</u>                               |           |                                                                |                                               |                                       |           |          |
| 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: [Redacted]                  |                                               |           | 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   | <b>Propulsion Inspector Initial Section 4</b>                  |                                               |                                       |           |          |
| <b>Traction Motors</b>                 |                                               |           |                                                                | Signature: [Redacted] Emp. No: <u>504025</u>  |                                       |           |          |
| 3                                      | Motors                                        | V         | <b>Air &amp; Electric / Couplers Inspection Sections 5,6,7</b> |                                               |                                       |           |          |
| 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 |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------|----------|
| <b>Air &amp; Electric / Couplers (continued)</b>                     |                                                                                                                                                                                       |         |              | <b>Car Body Inspection Sections 8,9,10</b>                                                                         |                                                      |         |          |
| 5d.                                                                  | Gov. Pressure Switch;<br>Gov. Off/On PSI <u>NA</u> / <u>NA</u>                                                                                                                        | V,F,A,X | PII          | <b>Interior</b>                                                                                                    |                                                      |         |          |
| 5.e.                                                                 | Compressor Off Time: <u>NA</u> min <u>NA</u> sec                                                                                                                                      | V,F,X   |              | 8                                                                                                                  | Interior Car body                                    | V       | PII      |
| 5.f.                                                                 | Intercooler Pressure: <u>NA</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,<br>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<br>SAP <u>69</u> PSI<br>BP <u>112</u> PSI<br>MIN <u>15</u> PSI<br>MAX <u>38</u> PSI<br>EMERG <u>44</u> PSI<br>SNOW <u>6</u> PSI<br>INSHOT <u>10</u> PSI | V,F,A,X |              | 8.h.                                                                                                               | Sash Windows                                         | V,F,R   |          |
| 5.n.                                                                 | Air Spring /Leveling Valves, Pressures<br>#1 <u>14</u> PSI<br>#2cs <u>16</u> PSI<br>#2ocs <u>16</u> PSI                                                                               | V,F,A,X | 8.i.         | Console Switches and Labels                                                                                        | V,F,R                                                |         |          |
| <b>Auxiliary Electrics</b>                                           |                                                                                                                                                                                       |         |              | 8.j.                                                                                                               | Instruction Decals and Advertising Signs             | V,F     | S        |
| 6                                                                    | Converter: Gaskets, Covers, Hardware                                                                                                                                                  | V,F     | 8.k.         | Safety Equipment: Ladder, 4 Shoe Hooks,<br>Shoe Lifter, 2 Fire Extinguishers, Evac<br>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<br>MG / Converter <u>37.11</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<br>Cutouts                                                                 | V,F                                                  |         |          |
| 6.g.                                                                 | Battery Electrolyte Level (deionized water)<br>Battery <u>32.68</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                                                |         |          |
| <b>Couplers</b>                                                      |                                                                                                                                                                                       |         |              | <b>Exterior</b>                                                                                                    |                                                      |         |          |
| 7                                                                    | Electric Coupler Boxes and Buttons                                                                                                                                                    | V,F,R,C | 9            | Exterior Car body                                                                                                  | V                                                    | S       |          |
| 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<br>Individual Door Leaf Lights                                                          | V,F,R                                                |         |          |
| 7.g.                                                                 | Drawbar Yoke, Anchor and Casting                                                                                                                                                      | V,F     | <b>Doors</b> |                                                                                                                    |                                                      |         |          |
| 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                                                | S       |          |
| 7.k.                                                                 | Air Pipes, Hoses, Clamps and Hardware                                                                                                                                                 | V,R     | 10.c.        | Door Set-up Switch                                                                                                 | V,F                                                  |         |          |
| <b>Air &amp; Electric / Couplers Inspector Initial Section 5,6,7</b> |                                                                                                                                                                                       |         |              | 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<br>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<br>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 | S        |
| 10.p.                                                                | Spin Slide System                                                                                                                                                                     | V,F     |              |                                                                                                                    |                                                      |         |          |

| Task No.                                             | Description                                                                                           | Task  | Initials |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------|----------|
| <b>Doors (Continued)</b>                             |                                                                                                       |       |          |
| 10.q.                                                | Door Safety Ground Test:<br>Pin #19: _____ Ω<br>Pin #20: _____ Ω                                      | V,F,X | PII      |
| 10.r.                                                | No Motion Sensors<br>B-C AXLE 1: _____ Ω<br>AXLE 2: _____ Ω<br>AXLE 3: _____ Ω<br>E-F AXLE 4: _____ Ω | V,F,X |          |
| 10.s.                                                | ATO Readings<br>ASR: _____ Ω<br>FRG: _____ Ω<br>Receiver Coil Reading: _____ Ω                        | V,F,X |          |
| <b>Equal Access Inspection</b>                       |                                                                                                       |       |          |
| 11                                                   | Complete Per Procedure Using EAI Form<br>Filed With This Mileage Inspection Form                      | T     |          |
| <b>Car Body Inspector Initial Sections 8,9,10,11</b> |                                                                                                       |       |          |
| Signature: _____ Emp. No: 503921                     |                                                                                                       |       |          |

| Part                                                   | Stock Number | Quantity |
|--------------------------------------------------------|--------------|----------|
| Contact Shoe                                           | 025-96-001   | 1        |
| 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   |          |
| 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   |          |
| Cam Switch Tip, Fixed                                  | 035-90-002   |          |
| Contact Tip, Copper                                    | 035-80-005   |          |
| Contact Tip, Silver                                    | 035-65-319   |          |
| Cam Switch Shunts                                      | 035-01-154   |          |
| Line Switch Tip                                        | 035-01-105   |          |
| 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

**Mileage Since Last Inspected:** 8644

# EQUAL ACCESS INSPECTION

## RED LINE FLEET

DATE:

8/3/21

CAR NUMBER:

1614

### 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.



**MBTA REDLINE**

#1 and #2 CAR

CAR NO. 1614DATE: 4/16/11**INSPECTION FORM**MILEAGE SINCE LAST INSPECTED: 7568

|                            |                     |         |
|----------------------------|---------------------|---------|
| Tasks: V-Visual            | L-Lubricate         | C-Clean |
| F-Verify proper function   | R-Replace as needed | P-Purge |
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| <b>Truck Inspection Sections 1,2,3</b> |                                                                                                                  |           |                                               | <b>Truck Inspector Initial Sections 1,2,3</b>                  |                                           |           |          |
| 1                                      | Truck Frame                                                                                                      | V         | PII                                           | Signature: <u>[Signature]</u> Emp. No: <u>267688</u>           |                                           |           |          |
| 1.a                                    | King Pin and Hardware                                                                                            | V,F       |                                               | Signature: <u>[Signature]</u> Emp. No: <u>267688</u>           |                                           |           |          |
| 1.b                                    | Hoses, Piping and Clamps                                                                                         | V,F       |                                               | <b>Propulsion Section 4</b>                                    |                                           |           |          |
| 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 |          |
| <b>Gear Units</b>                      |                                                                                                                  |           |                                               | 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<br>Case: <u>.6</u> Meg Ω             | V,F,X                                     |           |          |
| 2.f                                    | Wheel Diameter                                                                                                   | V,X       | 4.v                                           | Contact Shoe Megger Reading<br>Shoe: <u>200+</u> Meg Ω         | V,F,X                                     |           |          |
| 2.g                                    | Axles (Wheel Back to Back Measurement)<br>1: <u>53 3/8</u> 2: <u>53 3/8</u><br>3: <u>53 3/8</u> 4: <u>53 3/8</u> | V,X       | 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<br>Signature: <u>[Signature]</u>                                                                | V         | 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   | <b>Propulsion Inspector Initial Section 4</b> |                                                                |                                           |           |          |
| <b>Traction Motors</b>                 |                                                                                                                  |           |                                               | <b>Air &amp; Electric / Couplers Inspection Sections 5,6,7</b> |                                           |           |          |
| 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 |  |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------|----------|--|
| <b>Air &amp; Electric / Couplers (continued)</b>                     |                                                                                                                                                                                       |         |              | <b>Car Body Inspection Sections 8,9,10</b>                |                                                                                                                    |         |          |  |
| 5d.                                                                  | Gov. Pressure Switch;<br>Gov. Off/On PSI <u>    </u> / <u>    </u>                                                                                                                    | V,F,A,X | PII          | <b>Interior</b>                                           |                                                                                                                    |         |          |  |
| 5.e.                                                                 | Compressor Off Time: <u>    </u> min <u>    </u> sec                                                                                                                                  | V,F,X   |              | 8                                                         | Interior Car body                                                                                                  | V       | PII      |  |
| 5.f.                                                                 | Intercooler Pressure: <u>    </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,<br>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<br>SAP <u>72</u> PSI<br>BP <u>110</u> PSI<br>MIN <u>15</u> PSI<br>MAX <u>34</u> PSI<br>EMERG <u>44</u> PSI<br>SNOW <u>8</u> PSI<br>INSHOT <u>10</u> PSI | V,F,A,X |              | 8.h.                                                      | Sash Windows                                                                                                       | V,F,R   |          |  |
| 5.n.                                                                 | Air Spring /Leveling Valves, Pressures<br>#1 <u>15</u> PSI<br>#2cs <u>16</u> PSI<br>#2ocs <u>14</u> PSI                                                                               | V,F,A,X |              | 8.i.                                                      | Console Switches and Labels                                                                                        | V,F,R   |          |  |
| <b>Auxiliary Electrics</b>                                           |                                                                                                                                                                                       |         |              | (8.j)                                                     | Instruction Decals and Advertising Signs                                                                           | V,F     |          |  |
| 6                                                                    | Converter: Gaskets, Covers, Hardware                                                                                                                                                  | V,F     |              | 8.k.                                                      | Safety Equipment: Ladder, 4 Shoe Hooks,<br>Shoe Lifter, 2 Fire Extinguishers, Evac<br>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<br>MG / Converter <u>37.6</u> volts.                                                                                                                                   | V,F,A,X | 8.n.         | Passenger Seats                                           | V,R                                                                                                                |         |          |  |
| 6.d.                                                                 | Battery Enclosure, Cover, Hardware                                                                                                                                                    | V,F,C   | 8.o.         | Passenger Emergency Pulls and Tabs                        | V,F,R                                                                                                              |         |          |  |
| 6.e.                                                                 | Battery Vent Caps, Terminals, Cables, Trays                                                                                                                                           | V,F,C   | 8.p.         | Interior Panels and Flooring                              | V                                                                                                                  |         |          |  |
| 6.f.                                                                 | Battery Cells, Excessive Corrosion                                                                                                                                                    | V,F,R,C | 8.q.         | Trip Cutout, Horn Cutout and Air Spring<br>Cutouts        | V,F                                                                                                                |         |          |  |
| 6.g.                                                                 | Battery Electrolyte Level (deionized water)<br>Battery <u>323</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                                                                                                              |         |          |  |
| <b>Couplers</b>                                                      |                                                                                                                                                                                       |         |              | <b>Exterior</b>                                           |                                                                                                                    |         |          |  |
| 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<br>Individual Door Leaf Lights | V,F,R                                                                                                              |         |          |  |
| 7.g.                                                                 | Drawbar Yoke, Anchor and Casting                                                                                                                                                      | V,F     | <b>Doors</b> |                                                           |                                                                                                                    |         |          |  |
| 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                                                                                                                |         |          |  |
| <b>Air &amp; Electric / Couplers Inspector Initial Section 5,6,7</b> |                                                                                                                                                                                       |         |              | 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<br>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<br>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 |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|
| <b>Doors (Continued)</b>                             |                                                                                                                                                 |       |          |
| 10.q.                                                | Door Safety Ground Test:<br>Pin #19: <u>2</u> $\Omega$<br>Pin #20: <u>2.6</u> $\Omega$                                                          | V,F,X | PII      |
| 10.r.                                                | No Motion Sensors<br>B-C AXLE 1: <u>90</u> $\Omega$<br>AXLE 2: <u>✓</u> $\Omega$<br>AXLE 3: <u>✓</u> $\Omega$<br>E-F AXLE 4: <u>90</u> $\Omega$ | V,F,X |          |
| 10.s.                                                | ATO Readings<br>ASR: <u>✓</u> $\Omega$<br>FRG: <u>✓</u> $\Omega$<br>Receiver Coil Reading: <u>✓</u> $\Omega$                                    | V,F,X |          |
| <b>Equal Access Inspection</b>                       |                                                                                                                                                 |       |          |
| 11                                                   | Complete Per Procedure Using EAI Form<br>Filed With This Mileage Inspection Form                                                                | T     |          |
| <b>Car Body Inspector Initial Sections 8,9,10,11</b> |                                                                                                                                                 |       |          |
| Signature: <u>PII</u> Emp. No: <u>66422</u>          |                                                                                                                                                 |       |          |

| Part                                                   | Stock Number | Quantity |
|--------------------------------------------------------|--------------|----------|
| Contact Shoe                                           | 025-96-001   |          |
| Contact Shoe Shunt                                     | 025-74-090   | 2        |
| 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   | 2        |
| 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   | 2        |
| 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   |          |
| 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   | 12       |
| Cam Switch Tip, Fixed                                  | 035-90-002   | 12       |
| 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 |              |          |

## DEFERRED ITEMS LIST

**Mileage Since Last Inspected:** 7568

# EQUAL ACCESS INSPECTION

## RED LINE FLEET

DATE: 4/16/21

CAR NUMBER: 1614

### 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    | ✓                        |       |                             | X     |
| 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.

1614

DATE:

6/11/21

**INSPECTION FORM**

MILEAGE SINCE LAST INSPECTED:

8212

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 | Task No.                                                       | Description                                     | Task      | Initials |
|----------------------------------------|--------------------------------------------------------------------------------------|-----------|----------|----------------------------------------------------------------|-------------------------------------------------|-----------|----------|
| <b>Truck Inspection Sections 1,2,3</b> |                                                                                      |           |          | <b>Truck Inspector Initial Sections 1,2,3</b>                  |                                                 |           |          |
| 1                                      | Truck Frame                                                                          | V         | PII      | Signature: PII Emp. No: 73601                                  |                                                 |           |          |
| 1.a                                    | King Pin and Hardware                                                                | V,F       |          | <b>Propulsion Section 4</b>                                    |                                                 |           |          |
| 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       |          |
| <b>Gear Units</b>                      |                                                                                      |           |          | 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<br>Case: 27 Meg Ω     | V,F,X     |          |
| 2.e                                    | Wheel Flanges (gauge)                                                                | V         |          | 4.v                                                            | Contact Shoe Megger Reading<br>Shoe: 400+ 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)<br>1: 53-3/8 2: 53-3/8<br>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<br>Signature: PII                                                   | V         |          | 4.z                                                            | Notch car with 600v "Think Safety"              | V,F       |          |
| 2.j                                    | Axle Ground Housings and Hardware                                                    | V,F,R     |          | <b>Propulsion Inspector Initial Section 4</b>                  |                                                 |           |          |
| 2.k                                    | Axle Ground Cables Straps and Jumpers                                                | V,F,A,R   |          | Signature: PII Emp. No: 66311                                  |                                                 |           |          |
| <b>Traction Motors</b>                 |                                                                                      |           |          | <b>Air &amp; Electric / Couplers Inspection Sections 5,6,7</b> |                                                 |           |          |
| 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 |  |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------|----------|--|
| <b>Air &amp; Electric / Couplers (continued)</b>                     |                                                                                                                                                                                        |         |          | <b>Car Body Inspection Sections 8,9,10</b> |                                                                                                                    |         |          |  |
| 5d.                                                                  | Gov. Pressure Switch:<br>Gov. Off/On PSI <u>150</u> / <u>150</u>                                                                                                                       | V,F,A,X | PII      | <b>Interior</b>                            |                                                                                                                    |         |          |  |
| 5.e.                                                                 | Compressor Off Time: <u>1</u> min <u>15</u> sec                                                                                                                                        | V,F,X   |          | 8                                          | Interior Car body                                                                                                  | V       | PII      |  |
| 5.f.                                                                 | Intercooler Pressure: <u>150</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,<br>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<br>SAP <u>72</u> PSI<br>BP <u>112</u> PSI<br>MIN <u>16</u> PSI<br>MAX <u>36</u> PSI<br>EMERG <u>42</u> PSI<br>SNOW <u>10</u> PSI<br>INSHOT <u>10</u> PSI | V,F,A,X |          | 8.h.                                       | Sash Windows                                                                                                       | V,F,R   |          |  |
| 5.n.                                                                 | Air Spring /Leveling Valves, Pressures<br>#1 <u>17</u> PSI<br>#2cs <u>17</u> PSI<br>#2ocs <u>16</u> PSI                                                                                | V,F,A,X |          | 8.i.                                       | Console Switches and Labels                                                                                        | V,F,R   |          |  |
| <b>Auxiliary Electrics</b>                                           |                                                                                                                                                                                        |         |          | 8.j.                                       | Instruction Decals and Advertising Signs                                                                           | V,F     |          |  |
| 6                                                                    | Converter: Gaskets, Covers, Hardware                                                                                                                                                   | V,F     |          | 8.k.                                       | Safety Equipment: Ladder, 4 Shoe Hooks,<br>Shoe Lifter, 2 Fire Extinguishers, Evac<br>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<br>MG / Converter <u>37.1</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<br>Cutouts                                                                 | V,F     |          |  |
| 6.g.                                                                 | Battery Electrolyte Level (deionized water)<br>Battery <u>32.5</u> volts.                                                                                                              | V,F,R,X |          | 8.r.                                       | Handbrake Ratchet and Micro Switch                                                                                 | V,F,L   |          |  |
| 6.h.                                                                 | Snow Brake, Sleet Scraper (amber) Lights                                                                                                                                               | V,F,R   |          | 8.s.                                       | Destination Signs and Lighting                                                                                     | V,F,R   |          |  |
| <b>Couplers</b>                                                      |                                                                                                                                                                                        |         |          | <b>Exterior</b>                            |                                                                                                                    |         |          |  |
| 7                                                                    | Electric Coupler Boxes and Buttons                                                                                                                                                     | V,F,R,C | PII      | 9                                          | Exterior Car body                                                                                                  | V       | PII      |  |
| 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<br>Individual Door Leaf Lights                                                          | V,F,R   |          |  |
| 7.g.                                                                 | Drawbar Yoke, Anchor and Casting                                                                                                                                                       | V,F     |          | <b>Doors</b>                               |                                                                                                                    |         |          |  |
| 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     |          |  |
| <b>Air &amp; Electric / Couplers Inspector Initial Section 5,6,7</b> |                                                                                                                                                                                        |         |          | 10.d.                                      | Door By-Pass Switch                                                                                                | V,F     |          |  |
| Signature: <u>[Signature]</u> Emp. No: <u>503916</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<br>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<br>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 |          |  |
|                                                                      |                                                                                                                                                                                        |         |          |                                            | + #2 door                                                                                                          |         |          |  |
|                                                                      |                                                                                                                                                                                        |         |          | 10.o.                                      | Cab Door (jamb, hinges and lock)                                                                                   | V,F,L,C |          |  |
|                                                                      |                                                                                                                                                                                        |         |          | 10.p.                                      | Spin Slide System                                                                                                  | V,F     |          |  |

| Task No.                                             | Description                                                                                                         | Task  | Initials |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------|----------|
| <b>Doors (Continued)</b>                             |                                                                                                                     |       |          |
| 10.q.                                                | Door Safety Ground Test:<br>Pin #19: <u>17</u> Ω<br>Pin #20: <u>18</u> Ω                                            | V,F,X | PII      |
| 10.r.                                                | No Motion Sensors<br>B-C AXLE 1: <u>91</u> Ω<br>AXLE 2: <u>1</u> Ω<br>AXLE 3: <u>1</u> Ω<br>E-F AXLE 4: <u>91</u> Ω | V,F,X |          |
| 10.s.                                                | ATO Readings<br>ASR: <u>1</u> Ω<br>FRG: <u>1</u> Ω<br>Receiver Coil Reading: <u>1</u> Ω                             | V,F,X |          |
| <b>Equal Access Inspection</b>                       |                                                                                                                     |       |          |
| (11)                                                 | Complete Per Procedure Using EAI Form<br>Filed With This Mileage Inspection Form                                    | T     |          |
| <b>Car Body Inspector Initial Sections 8,9,10,11</b> |                                                                                                                     |       |          |
| Signature: <u>PII</u> Emp. No: <u>66422</u>          |                                                                                                                     |       |          |

| Part                                                   | Stock Number | Quantit |
|--------------------------------------------------------|--------------|---------|
| Contact Shoe                                           | 025-96-001   | 2       |
| Contact Shoe Shunt                                     | 025-74-090   | 2       |
| 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   | 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   | 1       |
| 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, Movable                                | 035-80-001   | 8       |
| Cam Switch Tip, Fixed                                  | 035-90-002   | 8       |
| 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   |         |
| Head Light                                             |              | 1       |
| Enter Stock no. and Qty. into Work Order via Scan Tool |              |         |

## DEFERRED ITEMS LIST

Work Order ID: 432-2021-9917

Car.No. 1614 Date: 6/11/21

**Current-Life-Mileage:** 2616368

**Last Inspection Life Mileage:** 2608156

**Mileage Since Last Inspected:** 8212

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

[illegible]

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

#3 Wheel Size: 27 7/8 Condition: Minor Spalls #4 Wheel Size: 27 1/8 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: 1614

### 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    | ✓                        |       |                             | X     |
| 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) 89

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



**MBTA REDLINE**

#1 and #2 CAR

CAR NO.

1614

DATE:

2/18/22

**INSPECTION FORM**

MILEAGE SINCE LAST INSPECTED:

7911

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 | Task No.                                                       | Description                                      | Task      | Initials |
|----------------------------------------|--------------------------------------------------------------------------------------|-----------|----------|----------------------------------------------------------------|--------------------------------------------------|-----------|----------|
| <b>Truck Inspection Sections 1,2,3</b> |                                                                                      |           |          | <b>Truck Inspector Initial Sections 1,2,3</b>                  |                                                  |           |          |
| 1                                      | Truck Frame                                                                          | V         | PII      | Signature: PII Emp. No: 509077                                 |                                                  |           |          |
| 1.a                                    | King Pin and Hardware                                                                | V,F       |          | <b>Propulsion Section 4</b>                                    |                                                  |           |          |
| 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                                                            | Contactors Tips and Shunts                       | V,F,A,R,C |          |
| 1.n                                    | Trips, Hoses and Hardware                                                            | V,F,A,L   |          | 4.l                                                            | Contactors Interlock Tips, Shunts, Arms          | V,F,A,R,C |          |
| 1.o                                    | Brake Units, Shoes, Keys, Piping and Hoses                                           | V,F,A,L,R |          | 4.m                                                            | Electronic Cards                                 | V,F,R     |          |
| 1.p                                    | Brake Cutout, Linkage and Hardware                                                   | V,F,L     |          | 4.n                                                            | Cam Controller, Switches, Tips and Shunts        | V,F,A,R,C |          |
| 1.q                                    | ATP Receiver Coils and Hardware                                                      | V,C       |          | 4.o                                                            | Mag Amp Wiring and Connections                   | V,F       |          |
| <b>Gear Units</b>                      |                                                                                      |           |          | 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<br>Case: 7.6 Meg Ω     | V,F,X     |          |
| 2.e                                    | Wheel Flanges (gauge)                                                                | V         |          | 4.v                                                            | Contact Shoe Megger Reading<br>Shoe: 7.100 Meg Ω | V,F,X     |          |
| 2.f                                    | Wheel Diameter                                                                       | V,X       |          | 4.w                                                            | Braking Grids and Cables                         | V         |          |
| 2.g                                    | Axles (Wheel Back to Back Measurement)<br>1: 53 3/8 2: 53 3/8<br>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<br>Signature: PII                                                   | V         |          | 4.z                                                            | Notch car with 600v "Think Safety"               | V,F       |          |
| 2.j                                    | Axle Ground Housings and Hardware                                                    | V,F,R     |          | <b>Propulsion Inspector Initial Section 4</b>                  |                                                  |           |          |
| 2.k                                    | Axle Ground Cables Straps and Jumpers                                                | V,F,A,R   |          | Signature: PII Emp. No: 72239                                  |                                                  |           |          |
| <b>Traction Motors</b>                 |                                                                                      |           |          | <b>Air &amp; Electric / Couplers Inspection Sections 5,6,7</b> |                                                  |           |          |
| 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 |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------|----------|
| <b>Air &amp; Electric / Couplers (continued)</b>                    |                                                                                                                                                                                       |         |                 | <b>Car Body Inspection Sections 8,9,10</b>                |                                                                                                                    |         |          |
| 5d.                                                                 | Gov. Pressure Switch;<br>Gov. Off/On PSI <u>          </u>                                                                                                                            | V,F,A,X | PII             | <b>Interior</b>                                           |                                                                                                                    |         |          |
| 5.e.                                                                | Compressor Off Time: <u>          </u> min <u>          </u> sec                                                                                                                      | V,F,X   |                 | 8                                                         | Interior Car body                                                                                                  | V       | PII      |
| 5.f.                                                                | Intercooler Pressure: <u>          </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,<br>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<br>SAP <u>70</u> PSI<br>BP <u>110</u> PSI<br>MIN <u>14</u> PSI<br>MAX <u>36</u> PSI<br>EMERG <u>44</u> PSI<br>SNOW <u>8</u> PSI<br>INSHOT <u>10</u> PSI | V,F,A,X |                 | 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,<br>Shoe Lifter, 2 Fire Extinguishers, Evac<br>Chair/even car, Rope/Ty-Rap® | V,F,R   |          |
|                                                                     |                                                                                                                                                                                       |         |                 | 8.l.                                                      | Low Voltage Circuit Breaker Panel                                                                                  | V       |          |
| 5.n.                                                                | Air Spring /Leveling Valves, Pressures<br>#1 <u>15</u> PSI<br>#2cs <u>14</u> PSI<br>#2ocs <u>14</u> PSI                                                                               | V,F,A,X |                 | 8.m.                                                      | Stanchions and Grab Handles                                                                                        | V,F     |          |
| <b>Auxiliary Electrics</b>                                          |                                                                                                                                                                                       |         |                 | 8.n.                                                      | Passenger Seats                                                                                                    | V,R     |          |
| 6                                                                   | Converter: Gaskets, Covers, Hardware                                                                                                                                                  | V,F     | 8.o.            | Passenger Emergency Pulls and Tabs                        | V,F,R                                                                                                              |         |          |
| 6.a.                                                                | Electronic Card Rack / Controls                                                                                                                                                       | V,F     | 8.p.            | Interior Panels and Flooring                              | V                                                                                                                  |         |          |
| 6.b.                                                                | External Resistors: Cabling                                                                                                                                                           | V       | 8.q.            | Trip Cutout, Horn Cutout and Air Spring<br>Cutouts        | V,F                                                                                                                |         |          |
| 6.c.                                                                | Output Voltage <u>37.14</u> volts.<br>MG / Converter                                                                                                                                  | V,F,A,X | 8.r.            | Handbrake Ratchet and Micro Switch                        | V,F,L                                                                                                              |         |          |
| 6.d.                                                                | Battery Enclosure, Cover, Hardware                                                                                                                                                    | V,F,C   | 8.s.            | Destination Signs and Lighting                            | V,F,R                                                                                                              |         |          |
| 6.e.                                                                | Battery Vent Caps, Terminals, Cables, Trays                                                                                                                                           | V,F,C   | <b>Exterior</b> |                                                           |                                                                                                                    |         |          |
| 6.f.                                                                | Battery Cells, Excessive Corrosion                                                                                                                                                    | V,F,R,C | 9               | Exterior Car body                                         | V                                                                                                                  |         |          |
| 6.g.                                                                | Battery Electrolyte Level (deionized water)<br>Battery <u>33.43</u> volts.                                                                                                            | V,F,R,X | 9.a.            | Destination Signs Roll; Interior / Exterior               | V,F,R                                                                                                              |         |          |
| 6.h.                                                                | Snow Brake, Sleet Scraper (amber) Lights                                                                                                                                              | V,F,R   | 9.b.            | Marker Lights                                             | V,F,R                                                                                                              |         |          |
| <b>Couplers</b>                                                     |                                                                                                                                                                                       |         |                 | 9.c.                                                      | ATP Operation (amber) Lights                                                                                       | V,F,R   |          |
| 7                                                                   | Electric Coupler Boxes and Buttons                                                                                                                                                    | V,F,R,C | 9.d.            | Snow brake / Sleet Scraper (amber) Lights                 | V,F,R                                                                                                              |         |          |
| 7.a.                                                                | Air Control Valves (EP Box)                                                                                                                                                           | V,F     | 9.e.            | End Gate, Springs and Straps                              | V,F                                                                                                                |         |          |
| 7.b.                                                                | Centering Device and Negating Valve                                                                                                                                                   | V,F,L   | 9.f.            | Handbrake, Door Pilot, and<br>Individual Door Leaf Lights | V,F,R                                                                                                              |         |          |
| 7.c.                                                                | Drum Switch                                                                                                                                                                           | V,F     | <b>Doors</b>    |                                                           |                                                                                                                    |         |          |
| 7.d.                                                                | Draft Gears                                                                                                                                                                           | V,F     | 10              | Door Operation                                            | V,F                                                                                                                |         |          |
| 7.e.                                                                | Coupler Head, Height Adjuster, Gauge                                                                                                                                                  | V,F,L   | 10.a.           | Door Control Relay Panel; Relays & Wiring                 | V,F,C,R                                                                                                            |         |          |
| 7.f.                                                                | Manual Uncouple Lever                                                                                                                                                                 | V,F,L   | 10.b.           | Door Open & Close Toggle Switches                         | V,F,R                                                                                                              |         |          |
| 7.g.                                                                | Drawbar Yoke, Anchor and Casting                                                                                                                                                      | V,F     | 10.c.           | Door Set-up Switch                                        | V,F                                                                                                                |         |          |
| 7.h.                                                                | Shear Pins and Safety Wire                                                                                                                                                            | V,R     | 10.d.           | Door By-Pass Switch                                       | V,F                                                                                                                |         |          |
| 7.i.                                                                | Radial Carrier                                                                                                                                                                        | V,F,L   | 10.e.           | Door Engine Operators                                     | V,F,A                                                                                                              |         |          |
| 7.j.                                                                | Cables, Clamps, Cannon Plugs (safety wire)                                                                                                                                            | V,R     | 10.f.           | Obstruction Micro Switches                                | V,F,A                                                                                                              |         |          |
| 7.k.                                                                | Air Pipes, Hoses, Clamps and Hardware                                                                                                                                                 | V,R     | 10.g.           | Door Locking / Unlocking Assemblies                       | V,F,A,L                                                                                                            |         |          |
| <b>Air &amp; Electric / Couplers Inspector Initial Section 5,6,</b> |                                                                                                                                                                                       |         |                 | 10.h.                                                     | Door Obstruction; Test<br>Top, Middle and Bottom                                                                   | V,F,A   |          |
| Signature <u>[Signature]</u> Emp. No: <u>73601</u>                  |                                                                                                                                                                                       |         |                 | 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<br>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 |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------|----------|
| <b>Doors (Continued)</b>                             |                                                                                                                     |       |          |
| 10.q.                                                | Door Safety Ground Test:<br>Pin #19: <u>4</u> Ω<br>Pin #20: <u>4</u> Ω                                              | V,F,X | PII      |
| 10.r.                                                | No Motion Sensors<br>B-C AXLE 1: <u>88</u> Ω<br>AXLE 2: <u>7</u> Ω<br>AXLE 3: <u>7</u> Ω<br>E-F AXLE 4: <u>89</u> Ω | V,F,X |          |
| 10.s.                                                | ATO Readings<br>ASR: <u>N/A</u> Ω<br>FRG: <u>N/A</u> Ω<br>Receiver Coil Reading: <u>N/A</u> Ω                       | V,F,X |          |
| <b>Equal Access Inspection</b>                       |                                                                                                                     |       |          |
| 11                                                   | Complete Per Procedure Using EAI Form<br>Filed With This Mileage Inspection Form                                    | T     |          |
| <b>Car Body Inspector Initial Sections 8,9,10,11</b> |                                                                                                                     |       |          |
| 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   |          |
| 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   |          |
| 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   | 1        |
| Frangible Pins, #1 Car                                 | 034-96-131   |          |
| Frangible Pins, #2 Car                                 | 026-74-001   |          |
| Fluorescent Tube T-12 48"                              | 311-55-654   | 6        |
| Lamp Ballast                                           | 025-74-113   | 1        |
| 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   | 4        |
| Cam Switch Tip, Fixed                                  | 035-90-002   | 4        |
| Contactor Tip, Copper                                  | 035-80-005   | 8        |
| 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 |              |          |

### DEFERRED ITEMS LIST

**Mileage Since Last Inspected:** 7911

## Rev1 10-19

# EQUAL ACCESS INSPECTION

## RED LINE FLEET

DATE: 2/18/22

CAR NUMBER: 1614

### 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.

