

MILEAGE BASED INSPECTION

August 19, 2022

CAR# 1091/1092

INSPECTION TYPE - 30K Inspection

MILEAGE: 211,324

DATE 8-14-22

Mechanical "30K" Inspection

Work Order # 10036630

Initial the appropriate boxes

Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
CAR BODY	Rev.0.9						
Between-Car Barriers	2-4-2.2.1		<input checked="" type="checkbox"/>				
Carbody Exterior	2-4-2.3.2		<input checked="" type="checkbox"/>				
Exterior Decals	2-4-2.3.3		<input checked="" type="checkbox"/>				
COUPLERS	Rev.0.2						
Mechanical Coupler Head	3-4-2.5.1		<input checked="" type="checkbox"/>				
<i>Spring</i> Tappet Valve	3-4-2.5.2		<input checked="" type="checkbox"/>				
Air Line Gasket Replacement	3-4-2.5.14		<input checked="" type="checkbox"/>				
Centering Device	3-4-2.5.4		<input checked="" type="checkbox"/>				
Radial Carrier	3-4-2.5.5		<input checked="" type="checkbox"/>				
Drawbar/Draft Gear Lube	3-4-2.5.7		<input checked="" type="checkbox"/>				
Yoke/Draft Gear	3-4-2.5.13		<input checked="" type="checkbox"/>				
Anchor	3-4-2.5.8		<input checked="" type="checkbox"/>				
Clevis Anchorage	3-4-2.5.9		<input checked="" type="checkbox"/>				
INTERIOR	Rev.1						
Decals, Interior	4-4-2.7.1		<input checked="" type="checkbox"/>				
End and Side Doors	4-4-2.7.2		<input checked="" type="checkbox"/>				
High Ceiling Panels	4-4-2.7.3		<input checked="" type="checkbox"/>				
Low Ceiling Panels	4-4-2.7.4		<input checked="" type="checkbox"/>				
Rubber Flooring	4-4-2.7.6		<input checked="" type="checkbox"/>				
Seats	4-4-2.7.7		<input checked="" type="checkbox"/>				
Windscreen/Stanchion Assembly	4-4-2.7.8		<input checked="" type="checkbox"/>				
OPERATOR'S CAB	Rev.1						
Coat Hook	5-4-2.5.2		<input checked="" type="checkbox"/>				

DATE 8-19-22

Mechanical "30K" Inspection

Work Order # 10036638

Initial the appropriate boxes

Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
FRICITION BRAKES		Rev.0.2					
D-4-S Air Compressor Unit (ACU) B-Car Only	12-4-3.2.16						
Intercooler B-Car Only	12-4-3.2.16						
Shroud Screen B-Car Only	12-4-3.2.11						
Compressor By-pass Manifold Assembly B-Car Only	12-4-3.2.1						
F-3 Safety Valves B-Car Only	12-4-3.2.19						
Aftercooler B-Car Only	12-4-3.2.16						
R-1 Drain Valve B-Car Only	12-4-3.2.21						
Exhaust Mufflers B-Car Only	12-4-3.2.17						
Discharge Valve B-Car Only	12-4-3.2.17						
Tower Valve B-Car Only	12-4-3.2.17						
Main Reservoir Pressure Manifold Assembly	12-4-3.2.16						
Single Check Valve - (BPCU)	12-4-3.2.4						
Three-way Pilot Valve (Emergency Transfer Valve) - (POU)	12-4-3.2.13						
Silencer - (POU)	12-4-3.2.23						
Cutout Cock (Vented/Non-vented) (Locking/Non-locking Handle)	12-4-3.2.18						
Supply Reservoir 3/4-inch Vented Cutout Cock w/Micro switch and Locking Handle	12-4-3.2.9						
VX Vent Valve	12-4-3.2.8						

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Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
Main Reservoir (MR)	12-4-3.2.9						
Supply Reservoir (SR)	12-4-3.2.9						
3/4 in. SR Check Valve	12-4-3.2.10						
Leak Test B-Car Only	12-5-13						
Functional Test	12-5-13						
BCO/SCO Test	12-5-13						

TRUCKS		Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
Gearbox oil condition/level Note the amount of oil added	Legacy Item						
Remove, Clean, Reinstall Gear Box Breathers	Legacy Item						
Top & Bottom Center Pivot	Legacy Item						
T/M & G/B Suspensions	Legacy Item						
3rd Rail Shoes & Brackets #1 End Check and adjust	Legacy Item				L1= <u>OK</u> R1= <u>OK</u>		
3rd Rail Shoes & Brackets #2 End Check and adjust	Legacy Item				L2= <u>OK</u> R2= <u>OK</u>		
Brake Adjustment & Shoes	Legacy Item						
T/M Coupler Play & Seal	Legacy Item						
Add 1 oz Grease T/M Coupling	Legacy Item						
T/M Grommets	Legacy Item						
G/B High Speed Play	Legacy Item						
Wheel Defects	Legacy Item						
Inspect Wheel Rings	Legacy Item						
Lube Wheel Rings	Legacy Item						
Axle & Bearings	Legacy Item						
Truck Frame	Legacy Item						
3rd Rail Beams & Brackets	Legacy Item						
Car Body to Truck Hoses	Legacy Item						
Center Plate & Safety Bar	Legacy Item						
Shock Links Lube	Legacy Item						

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Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed	
Rod Link (Lube) Verify 90 degree fitting is installed, if not, install and lube.	Legacy Item	[REDACTED]	✓					
MEASUREMENTS								
#1 end anti climber heights Check and Adjust Air Spring 91psi +/- 2	Legacy Item		✓		✓	✓		
#2 end anti climber heights Air Check and Adjust Air Spring 83psi +/- 2	Legacy Item		✓		✓	✓		
#1 end Snubber clearances	Legacy Item		✓		✓	✓		
#2 end Snubber clearances	Legacy Item		✓		✓	✓		

Print Name	[REDACTED]
Print Name	Initials
Print Name	Initials
Print Name	Initials
Print Name	Initials
Print Name	Initials

Foreman Review	[REDACTED]
Foreman Review	
Manager Review	[REDACTED]

DATE: 8-19-22

W.O.# 10036630

TRUCK FRAME INSPECTION

- 1. CAR NUMBER 1091
- 2. NUMBER ONE TRUCK SERIAL NUMBER 72

3. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

NUMBER ONE MOTOR - NO DEFECT: NUMBER TWO MOTOR - NO DEFECT:

AND

INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

- 4. NUMBER TWO TRUCK SERIAL NUMBER 9

5. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

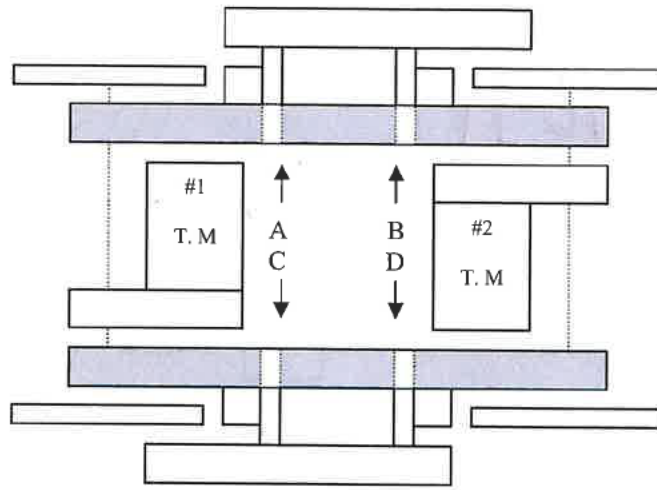
NUMBER THREE MOTOR - NO DEFECT: NUMBER FOUR MOTOR - NO DEFECT:

AND

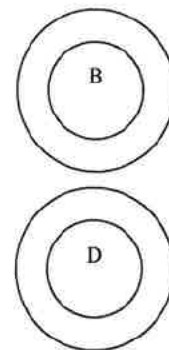
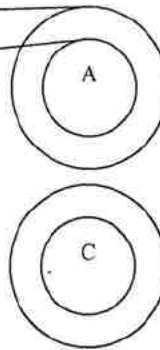
INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

RING WELD INSPECTION: RING WELD LOCATIONS ARE SHOWN BY ARROWS AND IDENTIFIED BY LETTERS



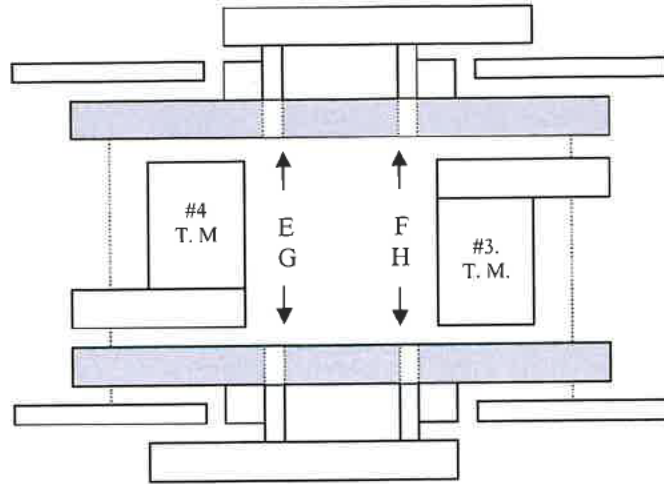
6. **INSPECT #1 TRUCK RING WELDS.** MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



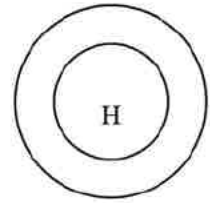
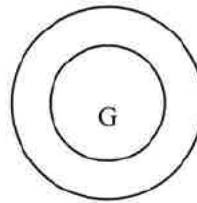
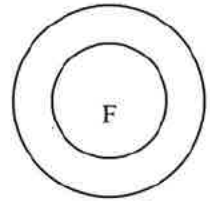
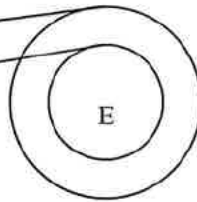
OR

NO DEFECT FOUND





7. INSPECT #2 TRUCK RING WELDS. MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



OR

NO DEFECT FOUND



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Electrical "30K" Inspection

Work Order # 10036630

Initial the appropriate boxes

Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
COUPLERS		Rev.0.2					
	Electric Coupler Head	3-4-2.3.6	/	/			
	Drum Switch Unit	3-4-3.5.10	/	/			
	Trainlines	3-4-2.5.12	/	/			
OPERATOR'S CAB		Rev.1					
	Circuit Breaker Panel	5-4-2.4.1	/	/			
	Windshield Heater	5-4-2.4.3	/	/			
PROPULSION		Rev.1					
	Self Test	10-4-2.2.1	/	/			
	Fault Log	10-4-2.2.2	/	/			
	Chopper Cubicle	10-4-2.2.3; 10-4-2.3.2	/	/			
	Control Cubicle	10-4-2.2.4; 10-4-2.3.3	/	/			
	HV Cubicle	10-4-2.2.6;	/	/			
	Brake/Buffer Resistor Unit	10-4-2.2.5	/	/			
	Line Contactor Q3	10-4-2.2.7	/	/			
	Buffer Contactors Q41, Q42, Q51, Q52	10-4-2.2.8	/	/			
	Chopper Contactors Q21, Q51	10-4-2.2.9	/	/			
	Line Inductor L1	10-4-2.2.10	/	/			
	Chopper Inductors L21, L51	10-4-2.2.11	/	/			
	Chopper Fans	10-4-2.2.12					
CAB SIGNAL		Rev.0.6					
	ATC Mechanism B-Car Only	13-4-2.2.1	/	/			
	Aspect Display Unit (ADU)	13-4-2.2.3	/	/			
	Cab Signal Reception Test	13-4-2.2.6	/	/	1.30		
	ATC Receiver Coil	13-4-2.2.2	/	/			
	Wheel Wear Adjustment	13-4-2.2.4	/	/			
		13-4-2.2.5	/	/			

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Electrical "30K" Inspection

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Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
COMMUNICATIONS							
	Rev.0.5						
Communication Control Head (CCH.L) Display Panel	14-4-2.2.2; 14-4-3.1		/				
Radio Control Head (RCH)	14-4-2.1.1		/				
Gooseneck Microphone	14-4-2.2.2		/				
Public Address (PA) Amplifier	14-4-2.2.2		/				
Train Number Sign (TNS)	14-4-2.2.6; 14-4-3.2		/				
Passenger Emergency Intercom (PEI)	14-4-2.1.3 14-4-2.2.9		/				
Interior Passenger Information Signs	14-4-2.2.5; 14-4-3.2		/				
Electronic Advertising Monitors	14-4-2.2.3; 14-4-3.2				<i>BOTH ARE DAMN</i>		<i>14</i>
Side and End Exterior Passenger Information Signs	14-4-2.2.4		/				
8 Port Power over Ethernet switch	14-4-2.3.2		/				
10 Port Managed Ethernet Switch	14-4-2.3.2		/				
Public Address /Intercom Control Head (Right Side) (CCH.R)	14-4-2.1.2; 14-4-2.2.4		/				
8-Port Ethernet Switch	14-4-2.3.1		/				
Power Over Ethernet (POE) Power Supply	14-4-2.3.4		/				
Radio Power Supply	14-4-2.3.5		/				
Wireless Router	14-4-2.3.6		/				
Noise Sensing Microphone	14-4-2.3.7		/				
Interior Speakers	14-4-2.2.7; 14-4-2.4.2		/				
Exterior Speakers	14-4-2.2.8; 14-4-2.4.5; 14-4-2.5.1		/				
Surveillance Cameras	14-4-2.1.4; 14-4-3.3		/				
Remote PA Function A-Car Only	14-4-2.2.1; 14-4-4		/				
Radio Speaker	14-4-2.4.2		/				

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Electrical "30K" Inspection

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Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
Network Video Recorder (NVR)	14-4-2.4.6		/				
FRICITION BRAKES							
E-1A Twin Tower Air Dryer Assembly with Controls	12-4-3.4.1						
Pneumatic Control Module - (POU)	12-4-3.2.22		/				

DOORS		Rev.1					
Exterior Emergency Release-Crew Switch (EER-CS)	6-4-3.1.4		/				
Underfloor Emergency Release (UER)	6-4-3.1.5		/				
Interior Emergency Release (IER)	6-4-3.1.6		/				
Local Interior Door Open (LIDO)/ Door Status Light (DSL)	6-4-3.1.10		/				
Door Closing Warning Light (DCWL)	6-4-3.1.10		/				
Door Closing Warning Signal (DCWS) Bell	6-4-3.1.11		/				
LIGHTING			Rev.1				
48-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.1;		/				
24-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.2;		/				
Threshold Light Fixture	8-4-2.3.4;		/				
Bufferway Light	8-4-2.3.3;		/				

DATE 8-19-2022

Electrical "15K" Inspection

Work Order # 10034630

Initial the appropriate boxes

Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
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Print Name 

Foreman Review 

Print Name 

Foreman Review

Print Name Initials

Manager Review 

Print Name Initials

Print Name Initials

Key:

Items in Blue are Cold checks and must be completed 1st.

Items in Red are Hot checks and must be performed after Cold checks

Items in Black are not dependant on Power and can be completed anytime during the inspection

DATE 8/19/22

Electrical "30K" Inspection

Work Order # 18036630

Initial the appropriate boxes

Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
48 in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.3.5;		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
24-in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.3.6;		<input checked="" type="checkbox"/>	<input type="checkbox"/>			

HVAC	Rev.0.3	Completed	Pass	Fail	Defect	Open	Closed
Compressor Motor Brushes	7-4-2.5.1		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>			

AUXILIARY POWER	Rev.0.4	Completed	Pass	Fail	Defect	Open	Closed
Battery Assembly	9-4-2.1.1;		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
A-Car Only	9-4-2.2.1		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
LVPS			<input checked="" type="checkbox"/>	<input type="checkbox"/>			
A-Car Only	9-4-2.1.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Knife Switch and Fuse Box	9-4-2.1.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>			

FRICITION BRAKES	Rev.0.2	Completed	Pass	Fail	Defect	Open	Closed
Compressor Motor			<input type="checkbox"/>	<input type="checkbox"/>			
B-Car Only	12-4-3.2.12		<input type="checkbox"/>	<input type="checkbox"/>			
Compressor Motor Leads			<input type="checkbox"/>	<input type="checkbox"/>			
B-Car Only	12-4-3.2.13		<input type="checkbox"/>	<input type="checkbox"/>			
Compressor Motor Inspection Cover			<input type="checkbox"/>	<input type="checkbox"/>			
B-Car Only	12-4-3.2.15		<input type="checkbox"/>	<input type="checkbox"/>			
Compressor Control Box Assembly			<input type="checkbox"/>	<input type="checkbox"/>			
B-Car Only	12-4-3.2.20		<input type="checkbox"/>	<input type="checkbox"/>			
Compressor Monitoring Control Box			<input type="checkbox"/>	<input type="checkbox"/>			
B-Car Only	12-4-3.2.2		<input type="checkbox"/>	<input type="checkbox"/>			

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Electrical "30K" Inspection

Work Order # 10036630

Initial the appropriate boxes

Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
TRUCKS/MOTORS/CABLES							
#1 & #2 T/M Covers	Legacy Item		✓				
#1 & #2 T/M Leads and Coupler	Legacy Item		✓				
#1 & #2 T/M Brush Holders & Commutator	Legacy Item		✓				
#1 & #2 T/M Brush Length & Condition	Legacy Item		✓				
#1 Truck 3rd Rail Fuses & Boxes	Legacy Item		✓				
#1 Truck Cables	Legacy Item		✓				
#1 Truck Ground Brush & Ground Cables	Legacy Item		✓				
#1 & #2 T/M Cleaned	Legacy Item		✓				
#1 & #2 T/M Filter Replacement	Legacy Item		✓				
Field MΩ Reading @ 1KV <u>1000</u>	Legacy Item		✓				
Armature MΩ Reading @1KV <u>89</u>	Legacy Item		✓				
#3 & #4 T/M Covers	Legacy Item		✓				
#3 & #4 T/M Leads and Coupler	Legacy Item		✓				
#3 & #4 T/M Brush Holders & Commutator	Legacy Item		✓				
#3 & #4 T/M Brush Length & Condition	Legacy Item				Replace low brushes T/M 4		✓
#2 Truck 3rd Rail Fuses & Boxes	Legacy Item		✓				
#2 Truck Cables	Legacy Item		✓				
#2 Truck Ground Brush & Ground Cables	Legacy Item		✓				
#3 & #4 T/M Cleaned	Legacy Item		✓				
#3 & #4 T/M Filter Replacement	Legacy Item		✓				
Field MΩ Reading @ 1KV <u>220</u>	Legacy Item		✓				
Armature MΩ Reading @1KV <u>14</u>	Legacy Item		✓				

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Car Number <u>1091</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed

Print Name  Initials 

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Foreman Review 

Foreman Review _____

Manager Review 

8/19/2022	S/N: 004279-001-008-04		
Single Cell Voltages			
Ambiant Temp (As seen on LVPS PTE Data Monitoring screen)	Cell #	Car #	
			1091
	1	1.47	
	2	1.48	
	3	1.47	
80F	4	1.47	
	5	1.47	
	6	1.49	
	7	1.48	
	8	1.46	
Battery Current (As seen on TDP Main Screen)	9	1.49	
	10	1.45	
	11	1.44	
	12	1.44	
	13	1.41	
-2A	14	1.37	
	15	1.49	
	16	1.48	
	17	1.48	
	18	1.49	
	19	1.47	
	20	1.50	
	21	1.47	
	22	1.47	
	23	1.49	
	24	1.50	
	25	1.47	
		Total Charged Battery Voltage	36.700
		Average	1.468
		Avg +50mv Maximum range	1.518
		Avg -50mv Minimum range	1.418



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Mechanical "30K" Inspection

Work Order # 10036631

Initial the appropriate boxes

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
CAR BODY		Rev.0.9					
Between-Car Barriers	2-4-2.2.1		✓				
Carbody Exterior	2-4-2.3.2		✓				
Exterior Decals	2-4-2.3.3		✓				
COUPLERS		Rev.0.2					
Mechanical Coupler Head	3-4-2.5.1		✓				
Tappet Valve	3-4-2.5.2		✓				
Air Line Gasket Replacement	3-4-2.5.14		✓				
Centering Device	3-4-2.5.4		✓				
Radial Carrier	3-4-2.5.5		✓				
Drawbar/Draft Gear Lube	3-4-2.5.7		✓				
Yoke/Draft Gear Anchor	3-4-2.5.13		✓				
Clevis Anchorage	3-4-2.5.9		✓				
INTERIOR		Rev.1					
Decals, Interior	4-4-2.7.1		✓				
End and Side Doors	4-4-2.7.2		✓				
High Ceiling Panels	4-4-2.7.3		✓				
Low Ceiling Panels	4-4-2.7.4		✓				
Rubber Flooring	4-4-2.7.6		✓				
Seats	4-4-2.7.7		✓				
Windscreen/Stanchion Assembly	4-4-2.7.8		✓				
OPERATOR'S CAB		Rev.1					
Coat Hook	5-4-2.5.2		✓				

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Work Order # 10036631

Initial the appropriate boxes

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
FRICITION BRAKES							
	Rev.0.2						
D-4-S Air Compressor Unit (ACU) B-Car Only	12-4-3.2.16						
Intercooler B-Car Only	12-4-3.2.16						
Shroud Screen B-Car Only	12-4-3.2.11						
Compressor By-pass Manifold Assembly B-Car Only	12-4-3.2.1						
F-3 Safety Valves B-Car Only	12-4-3.2.19						
Aftercooler B-Car Only	12-4-3.2.16						
R-1 Drain Valve B-Car Only	12-4-3.2.21						
Exhaust Mufflers B-Car Only	12-4-3.2.17						
Discharge Valve B-Car Only	12-4-3.2.17						
Tower Valve B-Car Only	12-4-3.2.17						
Main Reservoir Pressure Manifold Assembly	12-4-3.2.16						
Single Check Valve - (BPCU)	12-4-3.2.4			X			
Three-way Pilot Valve (Emergency Transfer Valve) - (POU)	12-4-3.2.13			X			
Silencer - (POU)	12-4-3.2.23			X			
Cutout Cock (Vented/Non-vented) (Locking/Non-locking Handle)	12-4-3.2.18						
Supply Reservoir 3/4-inch Vented Cutout Cock w/Micro switch and Locking Handle	12-4-3.2.9						
VX Vent Valve	12-4-3.2.8						

DATE 8-19-22

Mechanical "30K" Inspection

Work Order # 10036631

Initial the appropriate boxes

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
Main Reservoir (MR)	12-4-3.2.9		/				
Supply Reservoir (SR)	12-4-3.2.9		/				
3/4 in. SR Check Valve	12-4-3.2.10		/				
Leak Test B-Car Only	12-5-13		/				
Functional Test	12-5-13		X				
BCO/SCO Test	12-5-13		X				

TRUCKS		Completed	Pass	Fail			
Gearbox oil condition/level Note the amount of oil added	Legacy Item		/				
Remove, Clean, Reinstall Gear Box Breathers	Legacy Item		/				
Top & Bottom Center Pivot T/M & G/B Suspensions	Legacy Item		/				
3rd Rail Shoes & Brackets #1 End Check and adjust	Legacy Item		/		2 1/2 - 3 1/2	2 1/2 - 3 1/2	
3rd Rail Shoes & Brackets #2 End Check and adjust	Legacy Item		/		L1=	R1=	
3rd Rail Shoes & Brackets #2 End Check and adjust	Legacy Item		/		2 1/2 - 3 1/2	2 1/2 - 3 1/2	
3rd Rail Shoes & Brackets #2 End Check and adjust	Legacy Item		/		L2=	R2=	
Brake Adjustment & Shoes	Legacy Item		/				
T/M Coupler Play & Seal	Legacy Item		/				
Add 1 oz Grease T/M Coupling	Legacy Item		X				
T/M Grommets	Legacy Item		/				
G/B High Speed Play	Legacy Item		/				
Wheel Defects	Legacy Item		/				
Inspect Wheel Rings	Legacy Item		/				
Lube Wheel Rings	Legacy Item		/				
Axle & Bearings	Legacy Item		/				
Truck Frame	Legacy Item		/				
3rd Rail Beams & Brackets	Legacy Item		/				
Car Body to Truck Hoses	Legacy Item		/				
Center Plate & Safety Bar	Legacy Item		/				
Shock Links Lube	Legacy Item		/				

DATE 8-19-22

Mechanical "30K" Inspection

Work Order # 10036631

Initial the appropriate boxes

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
Rod Link (Lube) Verify 90 degree fitting is installed, if not, install and lube.	Legacy Item		<input checked="" type="checkbox"/>				
MEASUREMENTS							
#1 end anti climber heights Check and Adjust Air Spring 91psi +/- 2	<u>90.7</u> Legacy Item		<input checked="" type="checkbox"/>		Right <u>37 1/8</u> Left <u>37 1/8</u>		
#2 end anti climber heights Air Check and Adjust Air Spring 83psi +/- 2	<u>83.2</u> Legacy Item		<input checked="" type="checkbox"/>		Right <u>37</u> Left <u>37 1/8</u>		
#1 end Snubber clearances	Legacy Item		<input checked="" type="checkbox"/>		Right <u>OK</u> Left <u>OK</u>		
#2 end Snubber clearances	Legacy Item		<input checked="" type="checkbox"/>		Right <u>OK</u> Left <u>OK</u>		

Print Name

Foreman Review

Print Name Initials

Foreman Review

Print Name Initials

Manager Review

Print Name Initials

Print Name Initials

Print Name Initials

DATE: 8/19/21
W.O.# 10036631

TRUCK FRAME INSPECTION

1. CAR NUMBER 1092
2. NUMBER ONE TRUCK SERIAL NUMBER 113
3. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

NUMBER ONE MOTOR - NO DEFECT:  NUMBER TWO MOTOR - NO DEFECT 

AND

INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

4. NUMBER TWO TRUCK SERIAL NUMBER 94
5. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

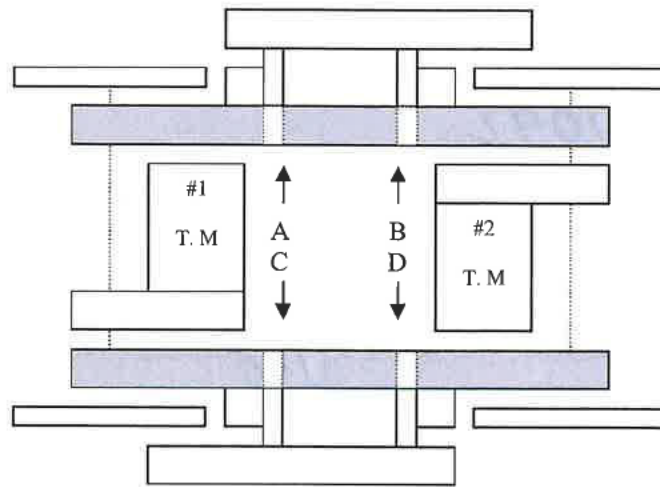
NUMBER THREE MOTOR - NO DEFECT:  NUMBER FOUR MOTOR - NO DEFECT 

AND

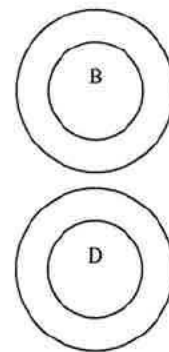
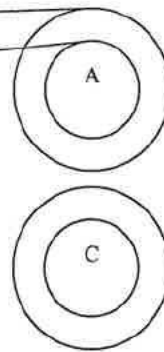
INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

RING WELD INSPECTION: RING WELD LOCATIONS ARE SHOWN BY ARROWS AND IDENTIFIED BY LETTERS



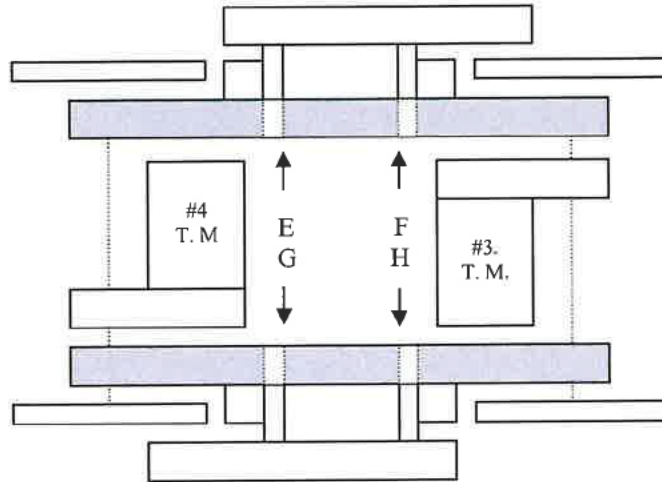
6. INSPECT #1 TRUCK RING WELDS. MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



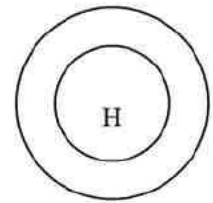
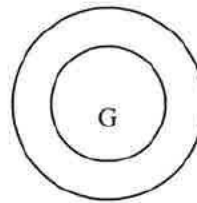
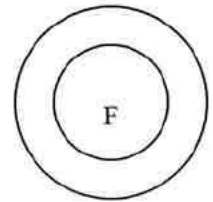
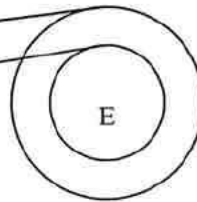
OR

NO DEFECT FOUND





7. INSPECT #2 TRUCK RING WELDS. MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



OR

NO DEFECT FOUND



DATE 8/19/22

Electrical "30K" Inspection

Work Order # 10036631

Initial the appropriate boxes

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
COUPLERS		Rev.0.2					
Electric Coupler Head	3-4-2.3.6		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Drum Switch Unit	3-4-3.5.10		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Trainlines	3-4-2.5.12		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
OPERATOR'S CAB		Rev.1					
Circuit Breaker Panel	5-4-2.4.1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Windshield Heater	5-4-2.4.3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
PROPULSION		Rev.1					
Self Test	10-4-2.2.1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Fault Log	10-4-2.2.2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Chopper Cubicle	10-4-2.2.3; 10-4-2.3.2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Control Cubicle	10-4-2.2.4; 10-4-2.3.3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
HV Cubicle	10-4-2.2.6;		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Brake/Buffer Resistor Unit	10-4-2.2.5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Line Contactor Q3	10-4-2.2.7		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Buffer Contactors Q41, Q42, Q51, Q52	10-4-2.2.8		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Chopper Contactors Q21, Q51	10-4-2.2.9		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Line Inductor L1	10-4-2.2.10		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Chopper Inductors L21, L51	10-4-2.2.11		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Chopper Fans	10-4-2.2.12		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
CAB SIGNAL		Rev.0.6					
ATC Mechanism B-Car Only	13-4-2.2.1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Aspect Display Unit (ADU)	13-4-2.2.3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Cab Signal Reception Test	13-4-2.2.6		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pick up @ 1.4 Amp		
ATC Receiver Coil	13-4-2.2.2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Wheel Wear Adjustment	13-4-2.2.4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
	13-4-2.2.5						

DATE 8/19/22

Electrical "30K" Inspection

Work Order # 10036631

Initial the appropriate boxes

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
COMMUNICATIONS		Rev.0.5					
Communication Control Head (CCH.L) Display Panel	14-4-2.2.2; 14-4-3.1		<input checked="" type="checkbox"/>				
Radio Control Head (RCH)	14-4-2.1.1		<input checked="" type="checkbox"/>				
Gooseneck Microphone	14-4-2.2.2		<input checked="" type="checkbox"/>				
Public Address (PA) Amplifier	14-4-2.2.2		<input checked="" type="checkbox"/>				
Train Number Sign (TNS)	14-4-2.2.6; 14-4-3.2		<input checked="" type="checkbox"/>				
Passenger Emergency Intercom (PEI)	14-4-2.1.3 14-4-2.2.9		<input checked="" type="checkbox"/>		CAB SPEAKER BAD		<input checked="" type="checkbox"/>
Interior Passenger Information Signs	14-4-2.2.5; 14-4-3.2		<input checked="" type="checkbox"/>				
Electronic Advertising Monitors	14-4-2.2.3; 14-4-3.2			<input checked="" type="checkbox"/>	BOTH FINAL ARE OUT		
Side and End Exterior Passenger Information Signs	14-4-2.2.4		<input checked="" type="checkbox"/>				
8 Port Power over Ethernet switch	14-4-2.3.2		<input checked="" type="checkbox"/>				
10 Port Managed Ethernet Switch	14-4-2.3.2		<input checked="" type="checkbox"/>				
Public Address /Intercom Control Head (Right Side) (CCH.R)	14-4-2.1.2; 14-4-2.2.4		<input checked="" type="checkbox"/>				
8-Port Ethernet Switch	14-4-2.3.1		<input checked="" type="checkbox"/>				
Power Over Ethernet (POE) Power Supply	14-4-2.3.4		<input checked="" type="checkbox"/>				
Radio Power Supply	14-4-2.3.5		<input checked="" type="checkbox"/>				
Wireless Router	14-4-2.3.6		<input checked="" type="checkbox"/>				
Noise Sensing Microphone	14-4-2.3.7		<input checked="" type="checkbox"/>				
Interior Speakers	14-4-2.2.7; 14-4-2.4.2		<input checked="" type="checkbox"/>		CAB SPK IS BAD OUT OF STOCK!		<input checked="" type="checkbox"/>
Exterior Speakers	14-4-2.2.8; 14-4-2.4.5; 14-4-2.5.1		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>
Surveillance Cameras	14-4-2.1.4; 14-4-3.3		<input checked="" type="checkbox"/>				
Remote PA Function A-Car Only	14-4-2.2.1; 14-4-4		<input checked="" type="checkbox"/>				
Radio Speaker	14-4-2.4.2		<input checked="" type="checkbox"/>				

R/R SPEAKER ALL

R/R SPEAKER ALL

DATE 8/19/22

Electrical "30K" Inspection

Work Order # 10036631

Initial the appropriate boxes

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Network Video Recorder (NVR)	14-4-2.4.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

FRICITION BRAKES		Rev.0.2					
E-1A Twin Tower Air Dryer Assembly with Controls	12-4-3.4.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Pneumatic Control Module - (POU)	12-4-3.2.22	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

DOORS		Rev.1					
Exterior Emergency Release-Crew Switch (EER-CS)	6-4-3.1.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Underfloor Emergency Release (UER)	6-4-3.1.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Interior Emergency Release (IER)	6-4-3.1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Local Interior Door Open (LIDO)/ Door Status Light (DSL)	6-4-3.1.10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Door Closing Warning Light (DCWL)	6-4-3.1.10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Door Closing Warning Signal (DCWS) Bell	6-4-3.1.11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
LIGHTING		Rev.1					
48-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.1;	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
24-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.2;	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Threshold Light Fixture	8-4-2.3.4;	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Bufferway Light	8-4-2.3.3;	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

DATE 8-19-2022

Electrical "15K" Inspection

Work Order # 10034631

Initial the appropriate boxes

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed

Print Name	Initials
[Redacted]	[Redacted]
Print Name	Initials
[Redacted]	[Redacted]
Print Name	Initials
[Redacted]	[Redacted]
Print Name	Initials
[Redacted]	[Redacted]
Print Name	Initials
[Redacted]	[Redacted]

Foreman Review	[Redacted]
Foreman Review	[Redacted]
Manager Review	[Redacted]

Key:

Items in Blue are Cold checks and must be completed 1st.

Items in Red are Hot checks and must be performed after Cold checks

Items in Black are not dependant on Power and can be completed anytime during the inspection

DATE 8/19/22

Electrical "30K" Inspection
Initial the appropriate boxes

Work Order # 10036631

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
48 in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.3.5;		<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
24-in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.3.6;		<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

HVAC	Rev.0.3	Completed	Pass	Fail	Defect	Open	Closed
Compressor Motor Brushes	7-4-2.5.1		<input checked="" type="checkbox"/>	<input type="checkbox"/>	(TOP BR. HOLDER IS FLASHED)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			<input checked="" type="checkbox"/>	<input type="checkbox"/>	(BR. LEADS BURNT OFF)	<input type="checkbox"/>	<input type="checkbox"/>

AUXILIARY POWER	Rev.0.4	Completed	Pass	Fail	Defect	Open	Closed
Battery Assembly	9-4-2.1.1;		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
A-Car Only	9-4-2.2.1		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
LVPS			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
A-Car Only	9-4-2.1.2		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Knife Switch and Fuse Box	9-4-2.1.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

FRICITION BRAKES	Rev.0.2	Completed	Pass	Fail	Defect	Open	Closed
Compressor Motor			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
B-Car Only	12-4-3.2.12		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Compressor Motor Leads			<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
B-Car Only	12-4-3.2.13		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Compressor Motor Inspection Cover			<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
B-Car Only	12-4-3.2.15		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Compressor Control Box Assembly			<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
B-Car Only	12-4-3.2.20		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Compressor Monitoring Control Box			<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
B-Car Only	12-4-3.2.2		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

DATE 8/19/22

Electrical "30K" Inspection

Work Order # 10036631

Initial the appropriate boxes

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
TRUCKS/MOTORS/CABLES							
#1 & #2 T/M Covers	Legacy Item		/				
#1 & #2 T/M Leads and Coupler	Legacy Item		/				
#1 & #2 T/M Brush Holders & Commutator	Legacy Item		/				
#1 & #2 T/M Brush Length & Condition	Legacy Item		/				
#1 Truck 3rd Rail Fuses & Boxes	Legacy Item		/				
#1 Truck Cables	Legacy Item		/				
#1 Truck Ground Brush & Ground Cables	Legacy Item		/				
#1 & #2 T/M Cleaned	Legacy Item		/				
#1 & #2 T/M Filter Replacement	Legacy Item		/				
Field MΩ Reading @ 1KV <u>174M</u>	Legacy Item		/				
Armature MΩ Reading @1KV <u>2200M</u>	Legacy Item		/				
#3 & #4 T/M Covers	Legacy Item		/				
#3 & #4 T/M Leads and Coupler	Legacy Item		/				
#3 & #4 T/M Brush Holders & Commutator	Legacy Item		/				
#3 & #4 T/M Brush Length & Condition	Legacy Item		/		(#3 NTR, BRISTLES) (Repl. Br.)		/
#2 Truck 3rd Rail Fuses & Boxes	Legacy Item		/				
#2 Truck Cables	Legacy Item		/				
#2 Truck Ground Brush & Ground Cables	Legacy Item		/				
#3 & #4 T/M Cleaned	Legacy Item		/				
#3 & #4 T/M Filter Replacement	Legacy Item		/				
Field MΩ Reading @ 1KV <u>2200M</u>	Legacy Item		/				
Armature MΩ Reading @1KV <u>2200M</u>	Legacy Item		/				

DATE 8/19/22

Electrical "30K" Inspection

Work Order # 10036631

Initial the appropriate boxes

Car Number <u>1092</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Foreman Review _____

Foreman Review _____

Manager Review _____

Car Number	1091
Work Order #	10036630

Front POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	91 +/- 2 psi	0 +/- 5 psi
	Actual	14.8	91.7	0
B4	Spec	60 - 70%	91 +/- 2 psi	66.9 +/- 3 psi
	Actual	63.2	91.7	67.2
Emergency	Spec	68 - 78%	91 +/- 2 psi	74.5 +/- 3 psi
	Actual	70.2	91.7	73.4

Rear POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	83 +/- 2 psi	0 +/- 5 psi
	Actual	14.8	83.8	.8
B4	Spec	60 - 70%	83 +/- 2 psi	66.9 +/- 3 psi
	Actual	63.6	83.8	68.8
Emergency	Spec	68 - 78%	83 +/- 2 psi	74.5 +/- 3 psi
	Actual	70.6	83.8	72.6

Car Number	1092
Work Order #	1003631

Rear POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	83 +/- 2 psi	0 +/- 5 psi
	Actual	15.4	82.5	0
B4	Spec	60 - 70%	83 +/- 2 psi	66.9 +/- 3 psi
	Actual	62.4	82.5	65.7
Emergency	Spec	68 - 78%	83 +/- 2 psi	74.5 +/- 3 psi
	Actual	68.8	82.5	72.0

Front POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	91 +/- 2 psi	0 +/- 5 psi
	Actual	15.0	90.7	0
B4	Spec	60 - 70%	91 +/- 2 psi	66.9 +/- 3 psi
	Actual	61.8	90.7	66.4
Emergency	Spec	68 - 78%	91 +/- 2 psi	74.5 +/- 3 psi
	Actual	68.4	90.7	73.1

INSTRUCTIONS: Circle the reason above for maintenance. The inspection criteria are listed in PEMI 00901-76 & should be completed while disconnecting or at the earliest opportunity. Circle the location and initial as required. List any defects in area provided below; use the back if additional space is needed. Immediately notify your foreman of all significant defects.

CAR # 1091 WO# 10036780 NOTIF # 10021190 DATE 9/1/22

1 Truck Existing or Removed Truck. # _____ Installed Truck. # _____

TASK *(If Required)	Inspect	Complete	Disconnect	Connect	Install	Safety Wire
Main 600V Cable						
Car Body Clam Shell						
Speed Sensors						1 2 5
Speed Sensor Cables						1 2 5
Ground Cables						
Filter Box / Bottom Cover						
Clam Shell						
Truck Cables, Blocks, etc.						
#1 Motor Connections						
#2 Motor Connections						
Set Wheel Sizes*						
FH Lock Reset *						

Temporary Ground*	Connect			Disconnect		
-------------------	---------	--	--	------------	--	--

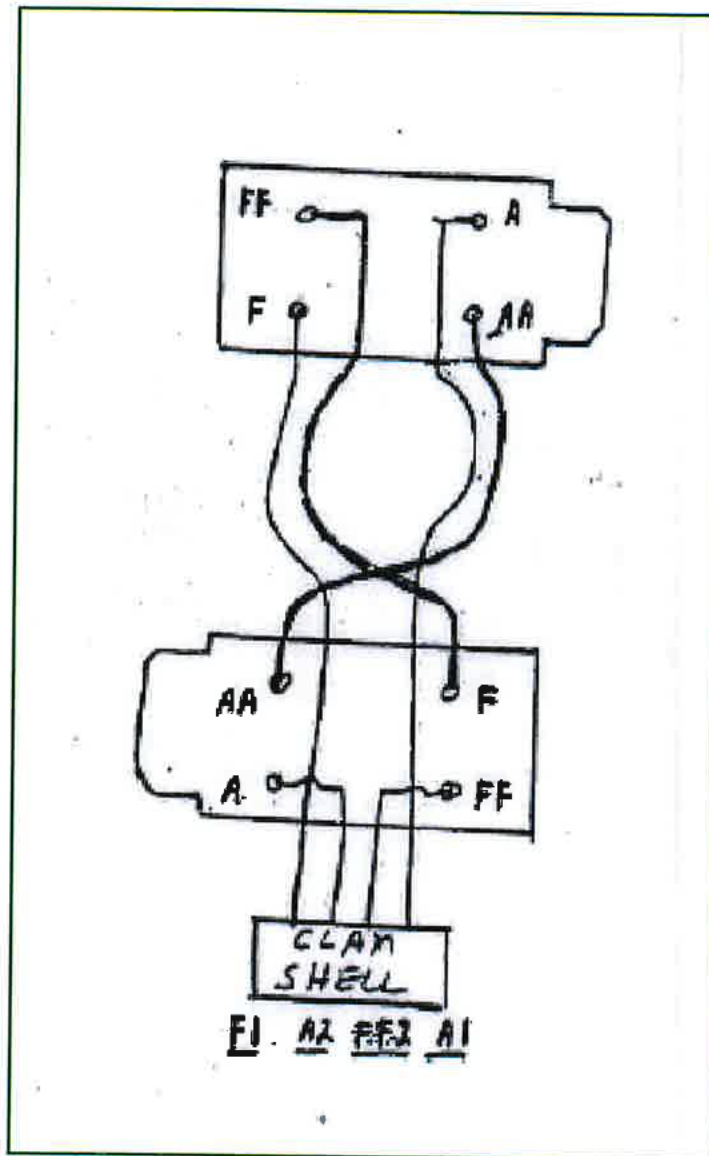
#2 Truck Existing or Removed Truck. # _____ Installed Truck. # _____

TASK *(If Required)	Inspect	Complete	Disconnect	Connect	Install	Safety wire
Main 600V Cable						
Car Body Clam Shell						
Speed Sensors						3 4 6
Speed Sensor Cables						3 4 6
Ground Cables						
Filter Box / Bottom Cover						
Clam Shell						
Truck Cables, Bocks, etc.						
#3 Motor Connections						
#4 Motor Connections						
Set Wheel Sizes*						
FH Lock Reset*						

Discrepancy	Corrective Action	Completed By
FH locked #4 truck	Connected newly butt spliced cable to car body clamshell.	
Carbody e/s fipper (ARM) overheated	CR/PL/DC.	

Foreman Review 

Manager Review 



INSTRUCTIONS: Circle the reason above for maintenance. The inspection criteria are listed in PEMI 00901-76 & should be completed while disconnecting or at the earliest opportunity. Circle the location and initial as required. List any defects in area provided below; use the back if additional space is needed. Immediately notify your foreman of all significant defects.

CAR # 1092 WO# 10036887 NOTIF # 10021307 DATE 9/16/22

#1 Truck Existing or Removed Truck. # _____ Installed Truck. # _____

TASK *(If Required)	Inspect	Complete	Disconnect	Connect	Install	Safety Wire
Main 600V Cable						
Car Body Clam Shell						
Speed Sensors					—	1 2 5
Speed Sensor Cables						1 2 5
Ground Cables						
Filter Box / Bottom Cover					—	
Clam Shell						
Truck Cables, Blocks, etc.						
#1 Motor Connections						
#2 Motor Connections						
Set Wheel Sizes*		—				
FH Lock Reset *		—				

Temporary Ground*	Connect			Disconnect		
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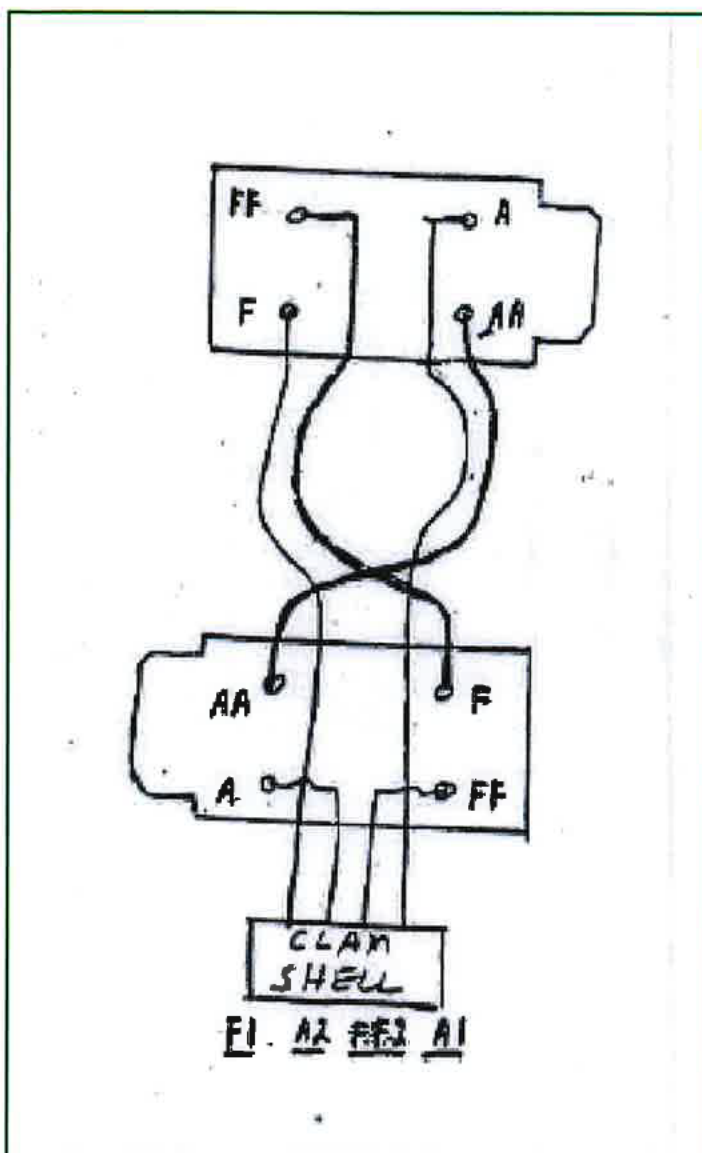
#2 Truck Existing or Removed Truck. # _____ Installed Truck. # _____

TASK *(If Required)	Inspect	Complete	Disconnect	Connect	Install	Safety wire
Main 600V Cable						
Car Body Clam Shell						
Speed Sensors						3 4 6
Speed Sensor Cables						3 4 6
Ground Cables						
Filter Box / Bottom Cover						
Clam Shell						
Truck Cables, Blocks, etc.						
#3 Motor Connections						
#4 Motor Connections						
Set Wheel Sizes*						
FH Lock Reset*						

Discrepancy	Corrective Action	Completed By
① Rammer torn in #1 + #2 T/ins		

Foreman Review _____

Manager Rev _____



INSTRUCTIONS: Circle the reason above for maintenance. The inspection criteria are listed in PEMI 00901-76 & should be completed while disconnecting or at the earliest opportunity. Circle the location and initial as required. List any defects in area provided below; use the back if additional space is needed. Immediately notify your foreman of all significant defects.

CAR # 1091 WO# 10036886 NOTIF # 10021228 DATE 9/16/22

#1 Truck Existing or Removed Truck. # _____ Installed Truck. # _____

TASK *(If Required)	Inspect	Complete	Disconnect	Connect	Install	Safety Wire	
Main 600V Cable	[REDACTED]		[REDACTED]				
Car Body Clam Shell							
Speed Sensors						✓	1 2 5
Speed Sensor Cables							1 2 5
Ground Cables							
Filter Box / Bottom Cover							
Clam Shell							
Truck Cables, Blocks, etc.							
#1 Motor Connections							
#2 Motor Connections							
Set Wheel Sizes*				—			
FH Lock Reset *							

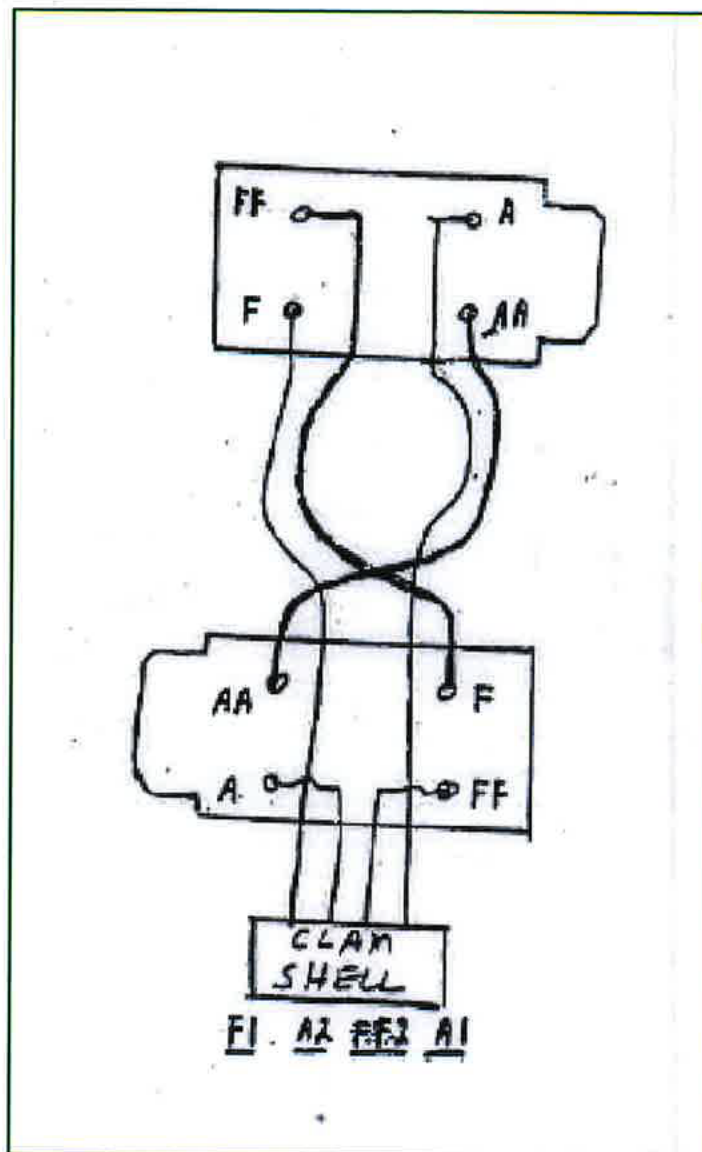
Temporary Ground*	Connect	—		Disconnect	SWL	
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#2 Truck Existing or Removed Truck. # _____ Installed Truck. # _____

TASK *(If Required)	Inspect	Complete	Disconnect	Connect	Install	Safety wire	
Main 600V Cable	[REDACTED]		[REDACTED]				
Car Body Clam Shell							
Speed Sensors						✓	3 4 6
Speed Sensor Cables							3 4 6
Ground Cables							
Filter Box / Bottom Cover							
Clam Shell							
Truck Cables, Bocks, etc.							
#3 Motor Connections							
#4 Motor Connections							
Set Wheel Sizes*				—			
FH Lock Reset*							

Discrepancy	Corrective Action	Completed By
FHL #4 T/M Flashed MINTO		
#1 TRUCK DROPPED FOLT REL AIR SPRING IDENT		

Foreman Review _____ Manager Review _____



**TRUCK WORK CHECK LIST
TRACTION MOTOR CHANGEOUT
(INITIAL ITEMS COMPLETED)**

DATE 9-16-22

Car Number: 1091

WO # 10036884

Truck Serial # 72

REMOVED	Manufacture	Date overhauled	T/M LOC	SERIAL #
	<i>Swiger</i>	<i>5/21</i>	<i># 2</i>	<i>7807060</i>
GEARBOX OIL DRAINED/DRAIN PLUG SAFETY WIRED.				
T/M HORIZONTAL SUSPENSION REMOVED.				
GEARBOX VERTICAL SUSPENSION REMOVED. *				
COUPLING NUT SET SCREWS REMOVED.				
COUPLING NUT DISCONNECTED.				
GEARBOX TO T/M GROUND STRAP REMOVED.				
T/M VERTICAL SUSPENSION REMOVED. *				
T/M MOUNT BOLTS REMOVED. *				
DEFECTIVE T/M REMOVED.*				

INSTALLED	Manufacture	Date overhauled	T/M LOC	SERIAL #
	<i>Swiger</i>	<i>5/21</i>	<i># 2</i>	<i>7807060</i>
REPLACED MARKED DEFECTIVE SUSPENSION PADS				
PUMP COUPLING GREASE INTO ALL FOUR FITTINGS ON GEAR UNIT HUB TO FILL GREASE PASSAGES				
COAT MOTOR HUB GEAR TEETH WITH TWO (2) OUNCES OF GREASE.				
LUBE O-RING WITH GREASE AND INSTALL ON HOUSING.				
INSTALL DRIVE SLEEVE ONTO T/M HUB.				
COPPER COAT THREADED PORTIONS OF ALL MOUNTING AND SUSPENSION BOLTS.				
INSTALL REPLACEMENT T/M AND TORQUE ALL MOUNTING BOLTS. *				
INSTALL T/M HORIZONTAL / VERTICAL SUSPENSION AND TORQUE. *				
INSTALL G/B VERTICAL SUSPENSION / G/B SAFETY BLOCK AND TORQUE. *				
INSTALL G/B VERTICAL SUSPENSION COTTER KEY.				
INSTALL T/M VERTICAL SUSPENSION CRAZY KEY.				
HAMMER TIGHTEN COUPLING NUT				
INSTALL / TIGHTEN THREE (3) SET SCREWS.				
SAFETY WIRE TOP TWO T/M MOUNT BOLTS.				
INSTALL / SECURE G/B TO T/M GROUND STRAP.				
PUMP REMAINING SEVEN (7) OUNCES OF GREASE INTO TRACTION MOTOR COUPLING.				
FILL GEARBOX.				

EFF: 1/11

REASON T/M REMOVED: #2 T/m Seal Blown

EQUIPMENT MANAGEMENT REVIEW: FOREMAN:  MANAGER: 

(RED w/*) Denotes two person tasks. (BLACK) Denotes one person tasks.

** needs 2 side saddle pins*

**TRUCK WORK CHECK LIST
TRACTION MOTOR CHANGEOUT
(INITIAL ITEMS COMPLETED)**

DATE 9-16-22

Car Number: 1091
~~1000~~

WO # 10036886



Truck Serial # 9

REMOVED	Manufacture	Date overhauled	T/M LOC	SERIAL #
	SWIGERT	8-23-21	#4	7418079
GEARBOX OIL DRAINED/DRAIN PLUG SAFETY WIRED.				
T/M HORIZONTAL SUSPENSION REMOVED.				
GEARBOX VERTICAL SUSPENSION REMOVED. *				
COUPLING NUT SET SCREWS REMOVED.				
COUPLING NUT DISCONNECTED.				
GEARBOX TO T/M GROUND STRAP REMOVED.				
T/M VERTICAL SUSPENSION REMOVED. *				
T/M MOUNT BOLTS REMOVED. *				
DEFECTIVE T/M REMOVED.*				

INSTALLED	Manufacture	Date overhauled	T/M LOC	SERIAL #
	Swiger	4/20/22	#4	7382362
REPLACED MARKED DEFECTIVE SUSPENSION PADS				
PUMP COUPLING GREASE INTO ALL FOUR FITTINGS ON GEAR UNIT HUB TO FILL GREASE PASSAGES				
COAT MOTOR HUB GEAR TEETH WITH TWO (2) OUNCES OF GREASE.				
LUBE O-RING WITH GREASE AND INSTALL ON HOUSING.				
INSTALL DRIVE SLEEVE ONTO T/M HUB.				
COPPER COAT THREADED PORTIONS OF ALL MOUNTING AND SUSPENSION BOLTS.				
INSTALL REPLACEMENT T/M AND TORQUE ALL MOUNTING BOLTS. *				
INSTALL T/M HORIZONTAL / VERTICAL SUSPENSION AND TORQUE. *				
INSTALL G/B VERTICAL SUSPENSION / G/B SAFETY BLOCK AND TORQUE. *				
INSTALL G/B VERTICAL SUSPENSION COTTER KEY.				
INSTALL T/M VERTICAL SUSPENSION CRAZY KEY.				
HAMMER TIGHTEN COUPLING NUT				
INSTALL / TIGHTEN THREE (3) SET SCREWS.				
SAFETY WIRE TOP TWO T/M MOUNT BOLTS.				
INSTALL / SECURE G/B TO T/M GROUND STRAP.				
PUMP REMAINING SEVEN (7) OUNCES OF GREASE INTO TRACTION MOTOR COUPLING.				
FILL GEARBOX.				

EFF: 1/11

REASON T/M REMOVED: #4 T/m Flashed

EQUIPMENT MANAGEMENT REVIEW: FOREMAN:  MANAGER: 

(RED w/*) Denotes two person tasks. (BLACK) Denotes one person tasks.

**TRUCK WORK CHECK LIST
TRACTION MOTOR CHANGEOUT
(INITIAL ITEMS COMPLETED)**

DATE 9-16-22

Car Number: 1092

WO # 10036887

Truck Serial # 113

REMOVED	Manufacture	Date overhauled	T/M LOC	SERIAL #
	SHERWOOD	2/11/21	#2	7806026
GEARBOX OIL DRAINED/DRAIN PLUG SAFETY WIRED.				
T/M HORIZONTAL SUSPENSION REMOVED.				
GEARBOX VERTICAL SUSPENSION REMOVED. *				
COUPLING NUT SET SCREWS REMOVED.				
COUPLING NUT DISCONNECTED.				
GEARBOX TO T/M GROUND STRAP REMOVED.				
T/M VERTICAL SUSPENSION REMOVED. *				
T/M MOUNT BOLTS REMOVED. *				
DEFECTIVE T/M REMOVED.*				
INSTALLED	Manufacture	Date overhauled	T/M LOC	SERIAL #
	SHERWOOD	2/11/21	#1	7806026
REPLACED MARKED DEFECTIVE SUSPENSION PADS				
PUMP COUPLING GREASE INTO ALL FOUR FITTINGS ON GEAR UNIT HUB TO FILL GREASE PASSAGES				
COAT MOTOR HUB GEAR TEETH WITH TWO (2) OUNCES OF GREASE.				
LUBE O-RING WITH GREASE AND INSTALL ON HOUSING.				
INSTALL DRIVE SLEEVE ONTO T/M HUB.				
COPPER COAT THREADED PORTIONS OF ALL MOUNTING AND SUSPENSION BOLTS.				
INSTALL REPLACEMENT T/M AND TORQUE ALL MOUNTING BOLTS. *				
INSTALL T/M HORIZONTAL / VERTICAL SUSPENSION AND TORQUE. *				
INSTALL G/B VERTICAL SUSPENSION / G/B SAFETY BLOCK AND TORQUE. *				
INSTALL G/B VERTICAL SUSPENSION COTTER KEY.				
INSTALL T/M VERTICAL SUSPENSION CRAZY KEY.				
HAMMER TIGHTEN COUPLING NUT				
INSTALL / TIGHTEN THREE (3) SET SCREWS.				
SAFETY WIRE TOP TWO T/M MOUNT BOLTS.				
INSTALL / SECURE G/B TO T/M GROUND STRAP.				
PUMP REMAINING SEVEN (7) OUNCES OF GREASE INTO TRACTION MOTOR COUPLING.				
FILL GEARBOX.				

EFF: 1/11

REASON T/M REMOVED: #1 T/M TORN Grommets

EQUIPMENT MANAGEMENT REVIEW: FOREMAN: _____ MANAGE _____
 (RED w/*) Denotes two person tasks. (BLACK) Denotes one person

MILEAGE BASED INSPECTION

August 31, 2022

CAR# 1001/1002

INSPECTION TYPE - 60K Inspection

MILEAGE: 240,911

DATE 8/21/02

Mechanical "60K" Inspector

Work Order # 10036750

Initial the appropriate boxes

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
CAR BODY	Rev.1.0						
Between-Car Barriers	2-4-2.2.1		/				
Carbody Exterior	2-4-2.3.1		/				
Carbody Underframe	2-4-2.4.1		/				
Exterior Decals	2-4-2.3.2		/				
COUPLERS	Rev.1.0						
Mechanical Coupler Head	3-4-2.3.1; 3; 3-4-2.5.1		/				
Tappet Valve	3-4-2.3.2; 3-4-2.4.2		/				
Air Line Gasket Replace if Needed	3-4-2.4.14; 3-5-5		/				
Centering Device	3-4-2.3.3; 3-4-2.5.2		/				
Radial Carrier	3-4-2.3.4; 3; 3-4-2.5.3		/				
Drawbar/Draft Gear (Vickers Draft Gear)	3-4-2.3.6; 3-4-2.5.5;		/				
Draft Gear (Budd Car)	3-4-2.3.5; 3-4-2.5.4		/				
Semi-permanent Drawbar	3-4-2.3.8; 3-4-2.5.7		/				
Yoke/Draft Gear Vickers	3-4-2.3.7; 3-4-2.5.6		/				
Anchorage Budd/Vickers	3-4-2.4.8; 3-4-2.4.9		/				
Solenoid Valve Unit	3-4-2.5.8		/				
INTERIOR	Rev.1.0						
Decals, Interior	4-4-2.7.1		/				
End and Side Doors	4-4-2.7.2		/				
High Ceiling Panels	4-4-2.7.3		/				
Low Ceiling Panels	4-4-2.7.4		/				
Rubber Flooring	4-4-2.7.6		/				
Fire Extinguisher	4-4-2.8.1		/				
HPPL Markers	4-4-2.7.5		/				
Seats	4-4-2.7.7		/				
Windscreen/Stanchion Assembly	4-4-2.7.8		/				

DATE 8/31/22

Mechanical "60K" Inspector

Work Order # 10036750

Initial the appropriate boxes

Car Number <u>1051</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
OPERATOR'S CAB	Rev.1.0						
Emergency Ladder	5-4-2.5.1						
Fire Extinguisher	5-4-2.5.2						
Coat Hook	5-4-2.4.2						
FRICITION BRAKES	Rev.1.0						
Carbody Piping	12-4-3.3.7		✓				
D-4-S Air Compressor Unit (ACU)							
B-Car Only	12-4-3.2.16;						
Intercooler B-Car Only	12-4-3.2.16						
Shroud Screen B-Car Only	12-4-3.2.11						
Compressor By-pass Manifold Assembly B-Car Only	12-4-3.5.2						
F-3 Safety Valves							
B-Car Only	12-4-3.2.19;						
Aftercooler B-Car Only	12-4-3.2.16						
R-1 Drain Valve B-Car Only	12-4-3.2.21;						
Exhaust Mufflers B-Car Only	12-4-3.2.17						
Discharge Valve B-Car Only	12-4-3.2.17						
Tower Valve							
B-Car Only	12-4-3.2.17						
Main Res.Pressure Manifold Assembly B-Car Only	12-4-3.2.16;						
Single Check Valve - (BPCU)	12-4-3.2.4;						
Three-way Pilot Valve (Emergency Transfer Valve) - (POU)	12-4-3.4.13		✓				
Silencer - (POU)	12-4-3.4.23		✓				
Test Point - (POU)	12-4-3.4.22		✓				

DATE 8/31/22

Mechanical "60K" Inspector

Work Order # 10036750

Initial the appropriate boxes

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
FRICITION BRAKES							
	Rev.1.0						
Cutout Cock (Vented/Non-vented) (Locking/Non-locking Handle)	12-4-3.2.7		/				
Supply Reservoir 3/4-inch Vented Cutout Cock w/Micro switch and Locking Handle	12-4-3.2.18; 12-4-3.4.17		/				
VX Vent Valve	12-4-3.2.8;		/				
Main Reservoir (MR)	12-4-3.2.9;		/				
Supply Reservoir (SR)	12-4-3.2.9;		/				
3/4 in. SR Check Valve	12-4-3.2.10		/				
Leak Test B-Car Only	12-5-13		X				
Functional Test	12-5-13		/				
BCO/SCO Test	12-5-13		/				
TRUCKS							
Gearbox oil condition/level Note the amount of oil added	Legacy Item		/				
Remove, Clean, Reinstall Gear Box Breathers	Legacy Item		/				
Top & Bottom Center Pivot	Legacy Item		/				
T/M & G/B Suspensions	Legacy Item		/				
3rd Rail Shoes & Brackets #1 End Check and adjust	Legacy Item		/		2 1/2 - 3 1/2 2 1/2 - 3 1/2 L1= R1=		
3rd Rail Shoes & Brackets #2 End Check and adjust	Legacy Item		/		2 1/2 - 3 1/2 2 1/2 - 3 1/2 L2= R2=		
Brake Adjustment & Shoes	Legacy Item		/				
T/M Coupler Play & Seal	Legacy Item		/				
Add 1 oz Grease T/M Coupling	Legacy Item		/				
T/M Grommets	Legacy Item		/				
G/B High Speed Play	Legacy Item		/				
Wheel Defects	Legacy Item		/		R-3 R-4 M/C S/D		
Inspect Wheel Rings	Legacy Item		/				
Lube Wheel Rings	Legacy Item		/				
Axle & Bearings	Legacy Item		/				

DATE 8/31/22

Mechanical "60K" Inspection

Work Order # 10036750

Initial the appropriate boxes

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
TRUCKS							
Truck Frame	Legacy Item	[REDACTED]	/				
3rd Rail Beams & Brackets	Legacy Item		/		<i>R-2 Short RTR</i>		
Car Body to Truck Hoses	Legacy Item		/				
Lube Brake Packages	Legacy Item		/				
Center Plate & Safety Bar	Legacy Item		/				
Shock Links Lube	Legacy Item		/				
Rod Link (Lube)	Legacy Item		/				
MEASUREMENTS							
#1 end anti climber heights Check and Adjust Air Spring 91psi +/- 2	Legacy Item	<i>90</i>	/		Right <i>37"</i> Left <i>37"</i>		
#2 end anti climber heights Air Check and Adjust Air Spring 83psi +/- 2	Legacy Item	<i>83.5</i>	/		Right <i>37 1/4"</i> Left <i>37 1/4"</i>		
#1 End Snubber clearances	Legacy Item		/		Right ✓ Left ✓		
#2 End Snubber clearances	Legacy Item		/		Right ✓ Left ✓		

Print Name [REDACTED] Initials [REDACTED]

Print Name [REDACTED] Initials [REDACTED]

Print Name [REDACTED] Initials [REDACTED]

Print Name [REDACTED] Initials [REDACTED]

Print Name [REDACTED] Initials [REDACTED]

Print Name [REDACTED] Initials [REDACTED]

Foreman Review [REDACTED]

Foreman Review [REDACTED]

Manager Review [REDACTED]

DATE: 8/31/22
W.O.# 10036750

TRUCK FRAME INSPECTION

- 1. CAR NUMBER 1001
- 2. NUMBER ONE TRUCK SERIAL NUMBER 39
- 3. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

NUMBER ONE MOTOR - NO DEFECT  NUMBER TWO MOTOR - NO DEFECT 

AND

INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

- 4. NUMBER TWO TRUCK SERIAL NUMBER 104
- 5. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

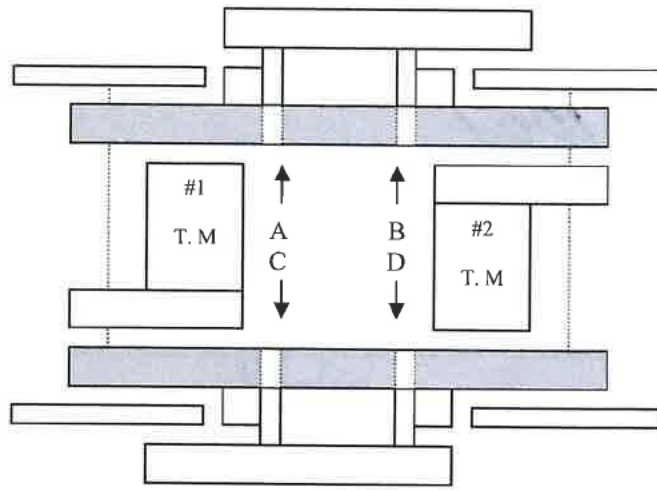
NUMBER THREE MOTOR - NO DEFECT  NUMBER FOUR MOTOR - NO DEFECT: 

AND

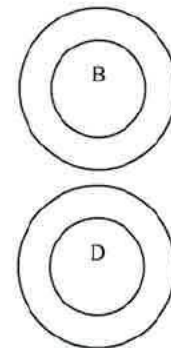
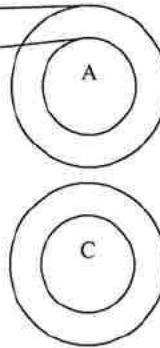
INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

RING WELD INSPECTION: RING WELD LOCATIONS ARE SHOWN BY ARROWS AND IDENTIFIED BY LETTERS



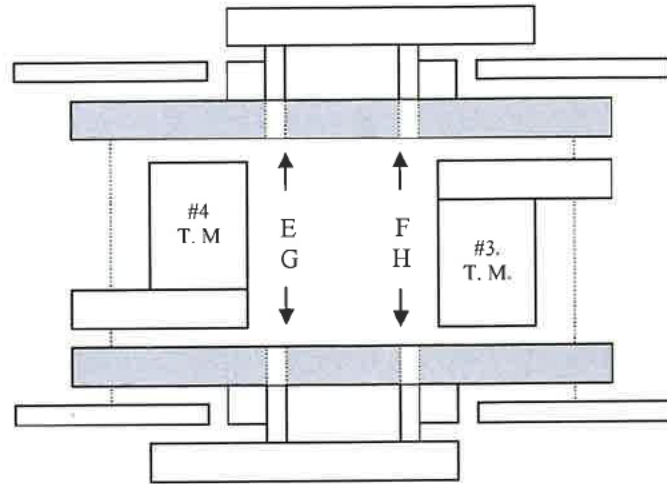
6. **INSPECT #1 TRUCK RING WELDS.** MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



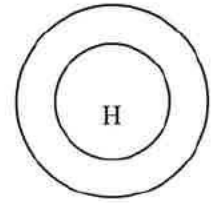
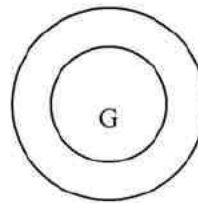
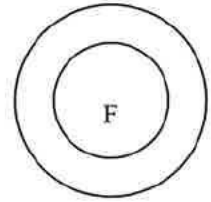
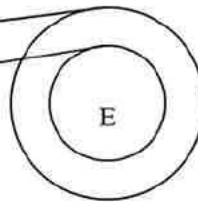
OR

NO DEFECT FOUND





7. INSPECT #2 TRUCK RING WELDS. MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



OR

NO DEFECT FOUND



DATE 8/31/22

Electrical "60K" Inspection

Work Order # 10036750

Initial the appropriate boxes

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
COUPLERS	Rev.0.2						
Electric Coupler Head	3-4-2.3.6		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Drum Switch Unit	3-4-2.5.10		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Trainlines	3-4-2.5.12		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
OPERATOR'S CAB	Rev.1						
Circuit Breaker Panel	5-4-2.4.1		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Windshield Heater	5-4-2.4.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
PROPULSION	Rev.1						
Self Test	10-4-2.2.1		<input checked="" type="checkbox"/>	<input type="checkbox"/>	A-1 TRUCK mmtD		
Fault Log	10-4-2.2.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Chopper Cubicle	10-4-2.2.3; 10-4-2.3.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Control Cubicle	10-4-2.2.4; 10-4-2.3.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
HV Cubicle	10-4-2.2.6;		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Brake/Buffer Resistor Unit	10-4-2.2.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Driving Direction Switches	10-4-2.3.4		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Line Contactor Q3	10-4-2.2.7		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Buffer Contactors Q41, Q42, Q51, Q52	10-4-2.2.8		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Chopper Contactors Q21, Q51	10-4-2.2.9		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
High Speed Circuit Breaker Q2	10-4-2.3.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Line Inductor L1	10-4-2.2.10		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Chopper Inductors L21, L51	10-4-2.2.11		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Brake Calibration	10-4-2.3.6		<input checked="" type="checkbox"/>	<input type="checkbox"/>	(mto)		
Chopper Fans	10-4-2.2.12		<input checked="" type="checkbox"/>	<input type="checkbox"/>	NOT ALL FANS RUNNING	<input checked="" type="checkbox"/>	
PWM Encoder	10-4-2.3.7		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
MDS	Rev.0.6						
Train Display Panel (TDP)	15-4-2.2.1		<input checked="" type="checkbox"/>	<input type="checkbox"/>	NOT RESPONDING TO TOUCH	<input checked="" type="checkbox"/>	
Train Display Speaker	15-4-2.2.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Vehicle Monitoring System and Event Recorder (VMS/ER)	15-4-2.2.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Hardened Memory Module (HMM)	15-4-2.2.4		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Cable Switch	15-4-2.2.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>			

DATE 8/31/22

Electrical "60K" Inspection
Initial the appropriate boxes

Work Order # 10036750

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
MDS	Rev.0.6						
Vehicle Switch	15-4-2.2.6			✓			
CAB SIGNAL	Rev.0.6						
Power Supply Verification B-Car Only	13-6-9						
ATC Mechanism B-Car Only	13-4-2.2.1						
Aspect Display Unit (ADU)	13-4-2.2.3			✓			
Cab Signal Reception Test	13-4-2.2.6			✓	Pick up @ 1.4 Amp		
ATC Receiver Coil	13-4-2.2.2			✓			
Static Test	13-6-10			✓			
Digital Brake Assurance Unit (DBAU)	13-4-2.3.1	N/A					
Wheel Wear Adjustment	13-4-2.2.4 13-4-2.2.5			✓			
COMMUNICATIONS	Rev.0.5						
Communication Control Head (CCH.L) Display Panel	14-4-2.2.2; 14-4-3.1			✓			
Radio Control Head (RCH)	14-4-2.1.1			✓	LOST MRU!		✓
Gooseneck Microphone	14-4-2.2.2			✓			
Public Address Amplifier (PA)	14-4-2.2.2			✓			
Train Number Sign (TNS)	14-4-2.2.6; 14-4-3.2			✓			
Passenger Emergency Intercom (PEI)	14-4-2.1.3 14-4-2.2.9			✓			
Interior Passenger Information Signs	14-4-2.2.5; 14-4-3.2			✓			
Electronic Advertising Monitors	14-4-2.2.3; 14-4-3.2			✓			
Side and End Exterior Passenger Information Signs	14-4-2.2.4			✓			
Public Address/Intercom Control Head (Right Side) (CCH.R)	14-4-2.1.2; 14-4-2.3.8			✓			
Interior Speakers	14-4-2.2.7; 14-4-2.4.2			✓			
Exterior Speakers	14-4-2.2.8; 14-4-2.4.5; 14-4-2.5.1			✓			

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Electrical "60K" Inspection

Work Order # 10036750

Initial the appropriate boxes

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed	
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
COMMUNICATIONS		Rev.0.5						
(A-car) Wireless Antennas	14-4-2.4.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Radio Antenna	14-4-2.4.4		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Surveillance Cameras	14-4-2.1.4; 14-4-3.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Remote PA Function A-Car Only	14-4-2.2.1; 14-4-4		<input type="checkbox"/>	<input type="checkbox"/>		Radio Lost Antenna		
Main Communication Unit (MCU)	14-4-2.4.1		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
8-Port Ethernet Switch	14-4-2.3.1		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
8-Port Power Over Ethernet (POE) Ethernet Switch	14-4-2.3.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
10-Port Managed Ethernet Switch	14-4-2.3.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Power Over Ethernet (POE) Power Supply	14-4-2.3.4		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Radio Power Supply	14-4-2.3.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Wireless Router	14-4-2.3.6		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Radio Speaker	14-4-2.4.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Noise Sensing Microphone	14-4-2.3.7		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Cab Speaker	14-4-2.4.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Network Video Recorder (NVR)	14-4-2.4.6		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
FRICION BRAKES			Rev.0.2					
Pneumatic Control Module - (POU)	12-4-3.2.22		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
DOORS			Rev.1					
Door System	6-6-2		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Side Door Mechanical Lock (ML) Assembly	6-4-3.1.2;	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Door Control Unit (DCU)	6-4-3.1.3;	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Leading Edge Male, Female	6-4-3.1.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Door Zone Switch	6-4-3.1.9; 6-6-7	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Exterior Emergency Release-Crew Switch (EER-CS)	6-4-3.1.4; 6-6-3	<input checked="" type="checkbox"/>	<input type="checkbox"/>					

DATE 8/31/22

Electrical "60K" Inspection

Work Order # 10036750

Initial the appropriate boxes

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
DOORS	Rev.1						
Underfloor Emergency Release (UER)	6-4-3.1.5; 6-6-4		✓				
Interior Emergency Release (IER)	6-4-3.1.6; 6-6-5		✓				
Local Interior Door Open (LIDO)/ Door Status Light (DSL)	6-4-3.1.10; 6-6-6		✓				
Door Closing Warning Light (DCWL)	6-4-3.1.10; 6-6-8		✓				
Door Closing Warning Signal (DCWS) Bell	6-4-3.1.11; 6-6-9		✓				
LIGHTING	Rev.1						
48-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.1; 8-4-2.4.1		✓				
24-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.2; 8-4-2.4.2		✓				
Threshold Light Fixture	8-4-2.3.4; 8-4-2.4.3		✓				
Bufferway Light	8-4-2.3.3; 8-4-2.4.4		✓				
48 in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.3.6; 8-4-2.4.7		✓				
24-in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.2.2; 8-4-2.3.6; 8-4-2.4.7		✓				

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Electrical "60K" Inspection

Work Order # 10036750

Initial the appropriate boxes

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed

Print Name	Initials
[Redacted]	[Redacted]
Print Name	Initials
[Redacted]	[Redacted]
Print Name	Initials
[Redacted]	[Redacted]
Print Name	Initials
[Redacted]	[Redacted]

Foreman Review	[Redacted]
Foreman Review	
Manager Review	[Redacted]

Key:

Items in Blue are Cold checks and must be completed 1st.

Items in Red are Hot checks and must be performed after Cold checks

Items in Black are not dependant on Power and can be completed anytime during the inspection

DATE 8/31/22

Electrical "60K" Inspection
Initial the appropriate boxes

Work Order # 10036750

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed	
AUXILIARY POWER								
	Rev.4							
Battery Assembly A-Car Only	9-4-2.1.1; 9-4-2.2.1		<input checked="" type="checkbox"/>		(CLEANED ONLY)			
LVPS A-Car Only	9-4-2.1.2		<input checked="" type="checkbox"/>					
Knife Switch and Fuse Box External Equipment	9-4-2.1.3 9-4-2.2.2		<input checked="" type="checkbox"/>					
Low Voltage Distribution Box A-Car only	9-4-2.2.3		<input checked="" type="checkbox"/>					
High Voltage Distribution Box	9-4-2.2.4		<input checked="" type="checkbox"/>					
Battery Distribution Box Internal Equipment A-Car only	9-4-2.2.5 9-4-2.2.6		<input checked="" type="checkbox"/>					
LVPS Gaskets A-Car only	9-4-2.2.7		<input checked="" type="checkbox"/>					
FRICITION BRAKES								
	Rev.2							
Compressor Motor B-Car Only	12-4-3.2.12		<input checked="" type="checkbox"/>					
Compressor Motor Leads B-Car Only	12-4-3.2.13	<input checked="" type="checkbox"/>						
Compressor Motor Brushes B-Car Only	12-4-3.2.14	<input checked="" type="checkbox"/>						
Compressor Motor Inspection Cover B-Car Only	12-4-3.2.15	<input checked="" type="checkbox"/>						
Compressor Control Box Assembly B-Car Only	12-4-3.2.20; 12- 4-3.3.2;	<input checked="" type="checkbox"/>						
Compressor Monitoring Control Box B-Car Only	12-4-3.2.2; 12- 4-3.5.7	<input checked="" type="checkbox"/>						
TRUCKS/MOTORS/CABLES								
#1 & #2 T/M Covers	Legacy Item	<input checked="" type="checkbox"/>						
#1 & #2 T/M Leads and Coupler	Legacy Item	<input checked="" type="checkbox"/>						

DATE 8/31/22

Electrical "60K" Inspection

Work Order # 10036750

Initial the appropriate boxes

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
#1 & #2 T/M Brush Holders & Commutator	Legacy Item			<input checked="" type="checkbox"/>	(COMM. SCORED)	<input checked="" type="checkbox"/>	
#1 & #2 T/M Brush Length & Condition	Legacy Item			<input checked="" type="checkbox"/>	(ALL BR. REMOVED) (#1 MTR. N10021159)	<input checked="" type="checkbox"/>	
#1 Truck 3rd Rail Fuses & Boxes	Legacy Item		<input checked="" type="checkbox"/>				
#1 Truck Cables	Legacy Item		<input checked="" type="checkbox"/>				
#1 Truck Ground Brush & Ground Cables	Legacy Item		<input checked="" type="checkbox"/>				
#1 & #2 T/M Cleaned	Legacy Item		<input checked="" type="checkbox"/>				
#1 & #2 T/M Filter Replacement	Legacy Item		<input checked="" type="checkbox"/>				
Field MΩ Reading @ 1KV	Legacy Item				(MTO) N10021159		
Armature MΩ Reading @1KV	Legacy Item				(111)		
#3 & #4 T/M Covers	Legacy Item		<input checked="" type="checkbox"/>				
#3 & #4 T/M Leads and Coupler	Legacy Item		<input checked="" type="checkbox"/>				
#3 & #4 T/M Brush Holders & Commutator	Legacy Item		<input checked="" type="checkbox"/>				
#3 & #4 T/M Brush Length & Condition	Legacy Item		<input checked="" type="checkbox"/>				
#2 Truck 3rd Rail Fuses & Boxes	Legacy Item		<input checked="" type="checkbox"/>				
#2 Truck Cables	Legacy Item		<input checked="" type="checkbox"/>				
#2 Truck Ground Brush & Ground Cables	Legacy Item		<input checked="" type="checkbox"/>				
#3 & #4 T/M Cleaned	Legacy Item		<input checked="" type="checkbox"/>				
#3 & #4 T/M Filter Replacement	Legacy Item		<input checked="" type="checkbox"/>				
TRUCKS/MOTORS/CABLES							
Field MΩ Reading @ 1KV <u>1350M</u>	Legacy Item		<input checked="" type="checkbox"/>				
Armature MΩ Reading @1KV <u>2000M</u>	Legacy Item		<input checked="" type="checkbox"/>				

DATE 8/31/22

Electrical "60K" Inspection
Initial the appropriate boxes

Work Order # 10036750

Car Number <u>1001</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed

Print Name _____ Initials _____
[Redacted]

Print Name _____ Initials _____
[Redacted]

Print Name _____
[Redacted]

Print Name _____ Initials _____

Foreman Review [Redacted]

Foreman Review _____

Manager Review [Redacted]

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CAR# 1001
 DATE 8/31/22

Electrical "60K" HVAC Inspection

Work Order # 10036750

Initial the appropriate boxes

HVAC	Rev.3		P	F		O	C
Compressor Motor Brushes	7-4-2.5.1		X				
Air Temperature sensors	7-4-2.6.1		X				
Cab Auxilairy Heaters	7-4-2.6.2		X				
Compressor condenser	7-4-2.6.3		X				
Condensor Coils	7-4-2.6.4		X				
Condensate piping	7-4-2.6.5		X				
Evaporators	7-4-2.6.6		X				
Evaporators inverters	7-4-2.6.7		X				
Floor heaters	7-4-2.6.8		X				
HVAC Control Box	7-4-2.6.9		X				
Refrigerant Piping	7-4-2.6.10		X				

Print Name [Redacted] Initials [Redacted]

Foreman Review [Redacted]

Print Name [Redacted] Initials [Redacted]

Foreman Review [Redacted]

Print Name [Redacted] Initials [Redacted]

Manager Review [Redacted]

Print Name [Redacted] Initials [Redacted]

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Oil OK
 Refrig Added
 Filter dryer RTR
 Coupler OK
 Cab Heat 1 OK
 CH 2 OK
 OH 1 1190HMS
 OH 2 910HMS
 FH 1 57.20HMS
 FH 2 57.30HMS
 Start Resist 9.20HMS
 Buffer Resist 2.10HMS
 Comp meg 2200
 OH Filters Done

8/31/2022	S/N: 004279-001-011-02		
Single Cell Voltages			
Ambiant Temp (As seen on LVPS PTE Data Monitoring screen)	Cell #	Car #	
			1001
	1		1.32
	2		1.49
	3		1.50
86F	4		1.49
	5		1.50
	6		1.32
	7		1.47
	8		1.48
Battery Current (As seen on TDP Main Screen)	9		1.49
	10		1.48
	11		1.42
	12		1.48
	13		1.49
-1A	14		1.49
	15		1.48
	16		1.50
	17		1.50
	18		1.47
	19		1.48
	20		1.50
	21		1.50
	22		1.45
	23		1.32
	24		1.48
	25		1.49
Total Charged Battery Voltage		36.590	
Average		1.470	
Avg +50mv Maximum range		1.520	
Avg -50mv Minimum range		1.420	

60K GROUND RING INSPECTION FORM:

CAR# <u>1101</u>	Truck# 1		Truck#2	
	AXLE 1	AXLE 2	AXLE 3	AXLE 4
Flashing on ground ring	N	N	N	N
Grooved ground ring	N	N	N	N
Oil inside ground brush housing	N	N	N	N
Brush replaced	N	N	N	N
COMMENTS				

DATE 8/31/22

Mechanical "60K" Inspection

Work Order # 10026751

Initial the appropriate boxes

Car Number <u>1002</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
CAR BODY	Rev.1.0						
Between-Car Barriers	2-4-2.2.1		<input checked="" type="checkbox"/>				
Carbody Exterior	2-4-2.3.1		<input checked="" type="checkbox"/>				
Carbody Underframe	2-4-2.4.1		<input checked="" type="checkbox"/>				
Exterior Decals	2-4-2.3.2		<input checked="" type="checkbox"/>				
COUPLERS	Rev.1.0						
Mechanical Coupler Head	3-4-2.3.1; 3; 3-4-2.5.1		<input checked="" type="checkbox"/>				
Tappet Valve	3-4-2.3.2; 3-4-2.4.2		<input checked="" type="checkbox"/>				
Air Line Gasket Replace if Needed	3-4-2.4.14; 3-5-5		<input checked="" type="checkbox"/>				
Centering Device	3-4-2.3.3; 3-4-2.5.2		<input checked="" type="checkbox"/>				
Radial Carrier	3-4-2.3.4; 3; 3-4-2.5.3		<input checked="" type="checkbox"/>				
Drawbar/Draft Gear (Vickers Draft Gear)	3-4-2.3.6; 3-4-2.5.5;						
Draft Gear (Budd Car)	3-4-2.3.5; 3-4-2.5.4		<input checked="" type="checkbox"/>				
Semi-permanent Drawbar	3-4-2.3.8; 3-4-2.5.7		<input checked="" type="checkbox"/>				
Yoke/Draft Gear Vickers	3-4-2.3.7; 3-4-2.5.6						
Anchorage Budd/Vickers	3-4-2.4.8; 3-4-2.4.9		<input checked="" type="checkbox"/>				
Solenoid Valve Unit	3-4-2.5.8		<input checked="" type="checkbox"/>				
INTERIOR	Rev.1.0						
Decals, Interior	4-4-2.7.1		<input checked="" type="checkbox"/>				
End and Side Doors	4-4-2.7.2		<input checked="" type="checkbox"/>				
High Ceiling Panels	4-4-2.7.3		<input checked="" type="checkbox"/>				
Low Ceiling Panels	4-4-2.7.4		<input checked="" type="checkbox"/>				
Rubber Flooring	4-4-2.7.6		<input checked="" type="checkbox"/>				
Fire Extinguisher	4-4-2.8.1		<input checked="" type="checkbox"/>				
HPPL Markers	4-4-2.7.5		<input checked="" type="checkbox"/>				
Seats	4-4-2.7.7		<input checked="" type="checkbox"/>				
Windscreen/Stanchion Assembly	4-4-2.7.8		<input checked="" type="checkbox"/>				

DATE 8/31/20

Mechanical "60K" Inspectio

Work Order # 10036751

Initial the appropriate boxes

Car Number <u>1002</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
OPERATOR'S CAB	Rev.1.0						
Emergency Ladder	5-4-2.5.1		✓				
Fire Extinguisher	5-4-2.5.2		✓				
Coat Hook	5-4-2.4.2		✓				
FRICTION BRAKES	Rev.1.0						
Carbody Piping	12-4-3.3.7		✓				
D-4-S Air Compressor Unit (ACU) B-Car Only	12-4-3.2.16;		✓				
Intercooler B-Car Only	12-4-3.2.16		✓				
Shroud Screen B-Car Only	12-4-3.2.11		✓				
Compressor By-pass Manifold Assembly B-Car Only	12-4-3.5.2		✓				
F-3 Safety Valves B-Car Only	12-4-3.2.19;		✓				
Aftercooler B-Car Only	12-4-3.2.16		✓				
R-1 Drain Valve B-Car Only	12-4-3.2.21;		✓				
Exhaust Mufflers B-Car Only	12-4-3.2.17		✓				
Discharge Valve B-Car Only	12-4-3.2.17		✓				
Tower Valve B-Car Only	12-4-3.2.17		✓				
Main Res.Pressure Manifold Assembly B-Car Only	12-4-3.2.16;		✓				
Single Check Valve - (BPCU)	12-4-3.2.4;		✓				
Three-way Pilot Valve (Emergency Transfer Valve) - (POU)	12-4-3.4.13		✓				
Silencer - (POU)	12-4-3.4.23		✓				
Test Point - (POU)	12-4-3.4.22		✓				

DATE 8/31/22

Mechanical "60K" Inspection

Work Order # 10026751

Initial the appropriate boxes

Car Number <u>1007</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
FRICITION BRAKES							
	Rev.1.0						
Cutout Cock (Vented/Non-vented) (Locking/Non-locking Handle)	12-4-3.2.7		✓				
Supply Reservoir 3/4-inch Vented Cutout Cock w/Micro switch and Locking Handle	12-4-3.2.18; 12-4-3.4.17		✓				
VX Vent Valve	12-4-3.2.8;		✓				
Main Reservoir (MR)	12-4-3.2.9;		✓				
Supply Reservoir (SR)	12-4-3.2.9;		✓				
3/4 in. SR Check Valve	12-4-3.2.10		✓				
Leak Test			✓				
B-Car Only	12-5-13		✓				
Functional Test	12-5-13		X				
BCO/SCO Test	12-5-13		X				
TRUCKS							
Gearbox oil condition/level Note the amount of oil added	Legacy Item		✓				
Remove, Clean, Reinstall Gear Box Breathers	Legacy Item		X				
Top & Bottom Center Pivot	Legacy Item		✓				
T/M & G/B Suspensions	Legacy Item		✓				
3rd Rail Shoes & Brackets #1			X		L1= 2.5 3.5 R1= 2.5 3.5		
End Check and adjust	Legacy Item						
3rd Rail Shoes & Brackets #2			X		L2= 2.5 3.5 R2= 2.5 3.5		
End Check and adjust	Legacy Item						
Brake Adjustment & Shoes	Legacy Item		✓				
T/M Coupler Play & Seal	Legacy Item		✓				
Add 1 oz Grease T/M Coupling	Legacy Item		X				
T/M Grommets	Legacy Item		✓				
G/B High Speed Play	Legacy Item		✓				
Wheel Defects	Legacy Item		✓		#2 track, leng. non cond		
Inspect Wheel Rings	Legacy Item		✓				
Lube Wheel Rings	Legacy Item		✓				
Axle & Bearings	Legacy Item		✓				

DATE 8/13/22

Mechanical "60K" Inspection

Work Order # 10036751

Initial the appropriate boxes

Car Number <u>1008</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
TRUCKS							
Truck Frame	Legacy Item		X				
3rd Rail Beams & Brackets	Legacy Item		✓				
Car Body to Truck Hoses	Legacy Item		✓				
Lube Brake Packages	Legacy Item		X				
Center Plate & Safety Bar	Legacy Item		✓				
Shock Links Lube	Legacy Item		X				
Rod Link (Lube)	Legacy Item		X				
MEASUREMENTS							
#1 end anti climber heights Check and Adjust Air Spring 91psi +/- 2	<u>90.7</u> Legacy Item		X		Right <u>37 1/8</u> Left <u>37 1/8</u>		
#2 end anti climber heights Air Check and Adjust Air Spring 83psi +/- 2	<u>82.1</u> Legacy Item		X		Right <u>36 7/8</u> Left <u>36 7/8</u>		
#1 End Snubber clearances	Legacy Item		X		Right <u>OK</u> Left <u>OK</u>		
#2 End Snubber clearances	Legacy Item		X		Right <u>OK</u> Left <u>OK</u>		

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Foreman Review _____

Foreman Review _____

Manager Review _____

DATE: 8/31/22

W.O.# 10036751

TRUCK FRAME INSPECTION

1. CAR NUMBER 1002
2. NUMBER ONE TRUCK SERIAL NUMBER 144

3. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

NUMBER ONE MOTOR - NO DEFECT: [REDACTED] NUMBER TWO MOTOR - NO DEFECT: [REDACTED]

AND

INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

4. NUMBER TWO TRUCK SERIAL NUMBER 26

5. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

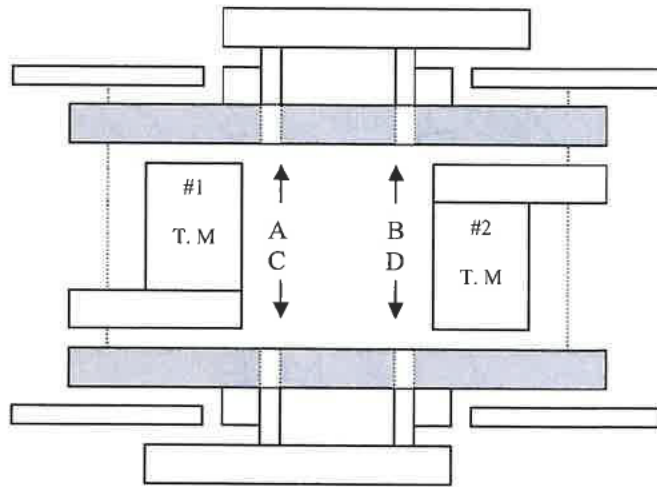
NUMBER THREE MOTOR - NO DEFECT: [REDACTED] NUMBER FOUR MOTOR - NO DEFECT: [REDACTED]

AND

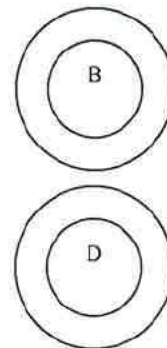
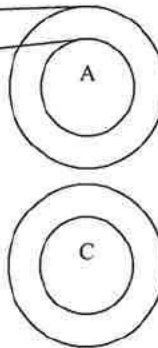
INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

RING WELD INSPECTION: RING WELD LOCATIONS ARE SHOWN BY ARROWS AND IDENTIFIED BY LETTERS



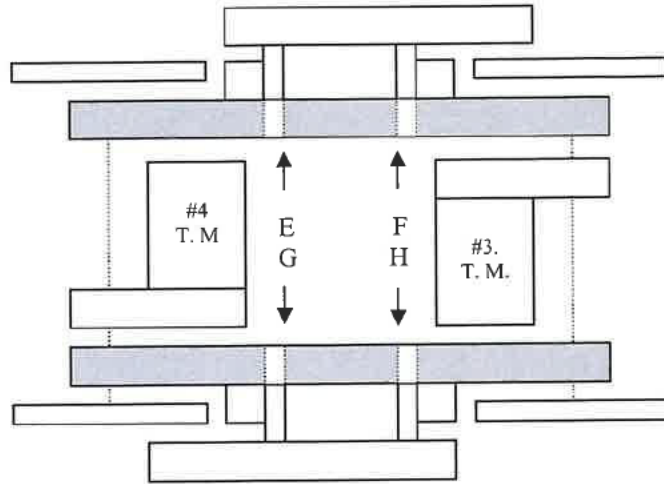
6. INSPECT #1 TRUCK RING WELDS. MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



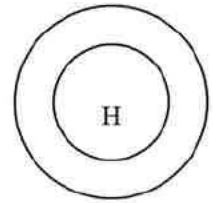
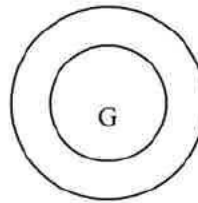
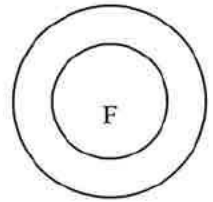
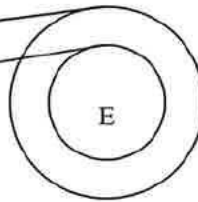
OR

NO DEFECT FOUND





7. INSPECT #2 TRUCK RING WELDS. MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



OR

NO DEFECT FOUND



DATE 8/31/22

Electrical "60K" Inspection

Work Order # 10036751

Initial the appropriate boxes

Car Number <u>1002</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
COUPLERS	Rev.0.2						
Electric Coupler Head	3-4-2.3.6		✓				
Drum Switch Unit	3-4-2.5.10		✓				
Trainlines	3-4-2.5.12		✓				
OPERATOR'S CAB	Rev.1						
Circuit Breaker Panel	5-4-2.4.1		✓				
Windshield Heater	5-4-2.4.3		✓				
PROPULSION	Rev.1						
Self Test	10-4-2.2.1		✓	✓	A-1 Truck mmro		
Fault Log	10-4-2.2.2		✓	✓			
Chopper Cubicle	10-4-2.2.3; 10-4-2.3.2		✓				
Control Cubicle	10-4-2.2.4; 10-4-2.3.3		✓				
HV Cubicle	10-4-2.2.6;		✓				
Brake/Buffer Resistor Unit	10-4-2.2.5		✓				
Driving Direction Switches	10-4-2.3.4		✓				
Line Contactor Q3	10-4-2.2.7		✓				
Buffer Contactors Q41, Q42, Q51, Q52	10-4-2.2.8		✓				
Chopper Contactors Q21, Q51	10-4-2.2.9		✓				
High Speed Circuit Breaker Q2	10-4-2.3.5				Could not move from stowed position		
Line Inductor L1	10-4-2.2.10		✓				
Chopper Inductors L21, L51	10-4-2.2.11		✓				
Brake Calibration	10-4-2.3.6		✓				
Chopper Fans	10-4-2.2.12		✓				
PWM Encoder	10-4-2.3.7		✓				
MDS	Rev.0.6						
Train Display Panel (TDP)	15-4-2.2.1				Does not respond to touch		
Train Display Speaker	15-4-2.2.2						
Vehicle Monitoring System and Event Recorder (VMS/ER)	15-4-2.2.3		✓				
Hardened Memory Module (HMM)	15-4-2.2.4						
Cable Switch	15-4-2.2.5		✓				

DATE 8/31/22

Electrical "60K" Inspection

Work Order # 10036751

Initial the appropriate boxes

Car Number <u>1002</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
MDS	Rev.0.6						
Vehicle Switch	15-4-2.2.6						
CAB SIGNAL	Rev.0.6						
Power Supply Verification B-Car Only	13-6-9		✓				
ATC Mechanism B-Car Only	13-4-2.2.1		✓				
Aspect Display Unit (ADU)	13-4-2.2.3						
Cab Signal Reception Test	13-4-2.2.6			✓		133 Hmps	
ATC Receiver Coil	13-4-2.2.2			✓			
Static Test	13-6-10			✓			
Digital Brake Assurance Unit (DBAU)	13-4-2.3.1			✓		A1-240909 B1-240961 A2-240968 B2-240965 ①	
Wheel Wear Adjustment	13-4-2.2.4 13-4-2.2.5			✓			
COMMUNICATIONS	Rev.0.5						
Communication Control Head (CCH.L) Display Panel	14-4-2.2.2; 14-4-3.1	✓					
Radio Control Head (RCH)	14-4-2.1.1	✓					
Gooseneck Microphone	14-4-2.2.2	✓					
Public Address Amplifier (PA)	14-4-2.2.2	✓					
Train Number Sign (TNS)	14-4-2.2.6; 14-4-3.2	✓					
Passenger Emergency Intercom (PEI)	14-4-2.1.3 14-4-2.2.9	✓					
Interior Passenger Information Signs	14-4-2.2.5; 14-4-3.2	✓					
Electronic Advertising Monitors	14-4-2.2.3; 14-4-3.2	✓					
Side and End Exterior Passenger Information Signs	14-4-2.2.4	✓					
Public Address/Intercom Control Head (Right Side) (CCH.R)	14-4-2.1.2; 14-4-2.3.8	✓					
Interior Speakers	14-4-2.2.7; 14-4-2.4.2	✓					
Exterior Speakers	14-4-2.2.8; 14-4-2.4.5; 14-4-2.5.1	✓					

① ADJUSTED MILEAGE FOR ALL TRUCKS TO MATCH A CAR TRUCK # 1

DATE 8/31/22

Electrical "60K" Inspection
Initial the appropriate boxes

Work Order # 10036951

Car Number <u>1002</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
COMMUNICATIONS							
	Rev.0.5						
(A-car) Wireless Antennas	14-4-2.4.3						
Radio Antenna	14-4-2.4.4						
Surveillance Cameras	14-4-2.1.4; 14-4-3.3		<input checked="" type="checkbox"/>				
Remote PA Function A-Car Only	14-4-2.2.1; 14-4-4						
Main Communication Unit (MCU)	14-4-2.4.1						
8-Port Ethernet Switch	14-4-2.3.1		<input checked="" type="checkbox"/>				
8-Port Power Over Ethernet (POE) Ethernet Switch	14-4-2.3.2		<input checked="" type="checkbox"/>				
10-Port Managed Ethernet Switch	14-4-2.3.3		<input checked="" type="checkbox"/>				
Power Over Ethernet (POE) Power Supply	14-4-2.3.4		<input checked="" type="checkbox"/>				
Radio Power Supply	14-4-2.3.5						
Wireless Router	14-4-2.3.6						
Radio Speaker	14-4-2.4.2		<input checked="" type="checkbox"/>				
Noise Sensing Microphone	14-4-2.3.7		<input checked="" type="checkbox"/>				
Cab Speaker	14-4-2.4.2		<input checked="" type="checkbox"/>		<i>Does not work</i>		
Network Video Recorder (NVR)	14-4-2.4.6						
FRICION BRAKES							
	Rev.0.2						
Pneumatic Control Module - (POU)	12-4-3.2.22		<input checked="" type="checkbox"/>				
DOORS							
	Rev.1						
Door System	6-6-2		<input checked="" type="checkbox"/>				
Side Door Mechanical Lock (ML) Assembly	6-4-3.1.2;		<input checked="" type="checkbox"/>				
Door Control Unit (DCU)	6-4-3.1.3;		<input checked="" type="checkbox"/>				
Leading Edge Male, Female	6-4-3.1.8		<input checked="" type="checkbox"/>				
Door Zone Switch	6-4-3.1.9; 6-6-7		<input checked="" type="checkbox"/>				
Exterior Emergency Release- Crew Switch (EER-CS)	6-4-3.1.4; 6-6-3		<input checked="" type="checkbox"/>				

DATE 8/31/22

Electrical "60K" Inspection

Work Order # 10036751

Initial the appropriate boxes

Car Number <u>1002</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
DOORS	Rev.1						
Underfloor Emergency Release (UER)	6-4-3.1.5; 6-6-4	[REDACTED]	✓				
Interior Emergency Release (IER)	6-4-3.1.6; 6-6-5		✓				
Local Interior Door Open (LIDO)/ Door Status Light (DSL)	6-4-3.1.10; 6-6-6		✓				
Door Closing Warning Light (DCWL)	6-4-3.1.10; 6-6-8		✓				
Door Closing Warning Signal (DCWS) Bell	6-4-3.1.11; 6-6-9		✓				
LIGHTING	Rev.1						
48-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.1; 8-4-2.4.1	✓					
24-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.2; 8-4-2.4.2	✓					
Threshold Light Fixture	8-4-2.3.4; 8-4-2.4.3	✓					
Bufferway Light	8-4-2.3.3; 8-4-2.4.4	✓					
48 in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.3.6; 8-4-2.4.7	✓					
24-in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.2.2; 8-4-2.3.6; 8-4-2.4.7	✓					

DATE 8-31-2022

Electrical "60K" Inspection

Work Order # 10036751

Initial the appropriate boxes

Car Number <u>1002</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed

Print Name [Redacted] Initials [Redacted]

Print Name [Redacted] Initials [Redacted]

Print Name [Redacted] Initials [Redacted]

Print Name Initials

Foreman Review [Redacted]

Foreman Review

Manager Review [Redacted]

Key:

Items in Blue are Cold checks and must be completed 1st.

Items in Red are Hot checks and must be performed after Cold checks

Items in Black are not dependant on Power and can be completed anytime during the inspection

DATE 8/31/22

Electrical "60K" Inspection

Work Order # 18036751

Initial the appropriate boxes

Car Number <u>1002</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed	
AUXILIARY POWER								
	Rev.4							
Battery Assembly A-Car Only	9-4-2.1.1; 9-4-2.2.1							
LVPS A-Car Only	9-4-2.1.2							
Knife Switch and Fuse Box External Equipment	9-4-2.1.3 9-4-2.2.2		/					
Low Voltage Distribution Box A-Car only	9-4-2.2.3							
High Voltage Distribution Box	9-4-2.2.4		/					
Battery Distribution Box Internal Equipment A-Car only	9-4-2.2.5 9-4-2.2.6							
LVPS Gaskets A-Car only	9-4-2.2.7							
FRICITION BRAKES								
	Rev.2							
Compressor Motor B-Car Only	12-4-3.2.12			/				
Compressor Motor Leads B-Car Only	12-4-3.2.13		/					
Compressor Motor Brushes B-Car Only	12-4-3.2.14		/					
Compressor Motor Inspection Cover B-Car Only	12-4-3.2.15		/					
Compressor Control Box Assembly B-Car Only	12-4-3.2.20; 12- 4-3.3.2;		/					
Compressor Monitoring Control Box B-Car Only	12-4-3.2.2; 12- 4-3.5.7		/					
TRUCKS/MOTORS/CABLES								
#1 & #2 T/M Covers	Legacy Item		/					
#1 & #2 T/M Leads and Coupler	Legacy Item		/					

DATE 8/31/22

Electrical "60K" Inspection

Work Order # 10036751

Initial the appropriate boxes

Car Number <u>1002</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
#1 & #2 T/M Brush Holders & Commutator	Legacy Item		/				
#1 & #2 T/M Brush Length & Condition	Legacy Item		/				
#1 Truck 3rd Rail Fuses & Boxes	Legacy Item		/				
#1 Truck Cables	Legacy Item		/				
#1 Truck Ground Brush & Ground Cables	Legacy Item		/				
#1 & #2 T/M Cleaned	Legacy Item		/				
#1 & #2 T/M Filter Replacement	Legacy Item		/				
Field MΩ Reading @ 1KV <u>2km</u>	Legacy Item		/				
Armature MΩ Reading @1KV <u>2km</u>	Legacy Item		/				
#3 & #4 T/M Covers	Legacy Item		/				
#3 & #4 T/M Leads and Coupler	Legacy Item		/				
#3 & #4 T/M Brush Holders & Commutator	Legacy Item		/				
#3 & #4 T/M Brush Length & Condition	Legacy Item		/				
#2 Truck 3rd Rail Fuses & Boxes	Legacy Item		/				
#2 Truck Cables	Legacy Item		/				
#2 Truck Ground Brush & Ground Cables	Legacy Item		/				
#3 & #4 T/M Cleaned	Legacy Item		/				
#3 & #4 T/M Filter Replacement	Legacy Item		/				
TRUCKS/MOTORS/CABLES							
Field MΩ Reading @ 1KV <u>5m</u>	Legacy Item		/		<u>LOW</u>		
Armature MΩ Reading @1KV <u>12m</u>	Legacy Item		/		<u>LOW</u>		

Handwritten initials

DATE 8/31/22

Electrical "60K" Inspection

Work Order # 10036751

Initial the appropriate boxes

Car Number <u>1002</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed

Print Name _____ Initials _____

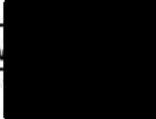
Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Foreman Review 

Foreman Review _____

Manager Review 

Key:
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CAR# 1002
 DATE 8/31/22

Electrical "60K" HVAC Inspection

Work Order # 10036751

Initial the appropriate boxes

HVAC	Rev.3		P	F	O	C
Compressor Motor Brushes	7-4-2.5.1		X			
Air Temperature sensors	7-4-2.6.1		X			
Cab Auxilairy Heaters	7-4-2.6.2		X			
Compressor condenser	7-4-2.6.3		X			
Condensor Coils	7-4-2.6.4		X			
Condensate piping	7-4-2.6.5		X			
Evaporators	7-4-2.6.6		X			
Evaporators inverters	7-4-2.6.7		X			
Floor heaters	7-4-2.6.8		X			
HVAC Control Box	7-4-2.6.9		X			
Refrigerant Piping	7-4-2.6.10		X			

Print Name [redacted] Initials [redacted]

Foreman Review [redacted]

Print Name [redacted] Initials [redacted]

Foreman Review [redacted]

Print Name [redacted] Initials [redacted]

Manager Review [redacted]

Print Name [redacted] Initials [redacted]

Key:
 Items in Blue are Cold checks and must be completed 1st.
 Items in Red are Hot checks and must be performed after Cold checks
 Items in Black are not dependant on Power and can be completed anytime during the inspection

** OPEN OIL OK*
REFRIG LOW Added Refrigerant - SMC
OPEN FILTER DRYER - R+R'd filter drier - SMC

- CAB HEAT 1 OK
- CH 2 OK
- OH 1 1190 Hms
- OH 2 910 Hms
- FH 1 57.3
- FH 2 57.6
- START RESIST 140 Hms
- BUFFER RESIST 2930 Hms
- COMP MEQ 2200 MEG
- OH FILTERS DONE
- COUPLER OK

R+R'd start Resistors - SMC 9.1ohms

** OPEN*
** START RESIST HIGH*
NEED RTR

Car Number	1001
Work Order #	10036750

Front POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	91 +/- 2 psi	0 +/- 5 psi
	Actual	15.0	91.2	2.5
B4	Spec	60 - 70%	91 +/- 2 psi	66.9 +/- 3 psi
	Actual	58.0	91.2	65.8
Emergency	Spec	68 - 78%	91 +/- 2 psi	74.5 +/- 3 psi
	Actual	64.0	91.2	72.6

Rear POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	83 +/- 2 psi	0 +/- 5 psi
	Actual	15.0	83.7	0.0
B4	Spec	60 - 70%	83 +/- 2 psi	66.9 +/- 3 psi
	Actual	61.6	83.7	65.7
Emergency	Spec	68 - 78%	83 +/- 2 psi	74.5 +/- 3 psi
	Actual	68.4	83.7	72.5

Car Number	1002
Work Order #	10036751

Rear POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	83 +/- 2 psi	0 +/- 5 psi
	Actual	15.2	82.6	1.7
B4	Spec	60 - 70%	83 +/- 2 psi	66.9 +/- 3 psi
	Actual	63.4	82.6	68.1
Emergency	Spec	68 - 78%	83 +/- 2 psi	74.5 +/- 3 psi
	Actual	70.2	82.6	72.4

Front POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	91 +/- 2 psi	0 +/- 5 psi
	Actual	15.2	91.0	1.2
B4	Spec	60 - 70%	91 +/- 2 psi	66.9 +/- 3 psi
	Actual	63.6	91.0	66.5
Emergency	Spec	68 - 78%	91 +/- 2 psi	74.5 +/- 3 psi
	Actual	70.4	91.0	72.5

60K GROUND RING INSPECTION FORM:

CAR# <u>1002</u>	Truck# 1		Truck#2	
	AXLE 1	AXLE 2	AXLE 3	AXLE 4
Flashing on ground ring	N	N	N	N
Grooved ground ring	N	N	N	N
Oil inside ground brush housing	Y	N	N	N
Brush replaced	Y	Y	Y	Y
COMMENTS				

MILEAGE BASED INSPECTION

September 15, 2022

CAR# 1043/1044

INSPECTION TYPE - 60K Inspection

MILEAGE: 244,522

DATE 9/10/22

Mechanical "60K" Inspection

Work Order # 10036 854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
CAR BODY		Rev.1.0					
Between-Car Barriers	2-4-2.2.1		/				
Carbody Exterior	2-4-2.3.1		/				
Carbody Underframe	2-4-2.4.1		/				
Exterior Decals	2-4-2.3.2		/				
COUPLERS		Rev.1.0					
Mechanical Coupler Head	3-4-2.3.1; 3; 3-4-2.5.1		/				
Tappet Valve	3-4-2.3.2; 3-4-2.4.2		/				
Air Line Gasket Replace if Needed	3-4-2.4.14; 3-5-5		/				
Centering Device	3-4-2.3.3; 3-4-2.5.2		/				
Radial Carrier	3-4-2.3.4; 3; 3-4-2.5.3		/				
Drawbar/Draft Gear (Vickers Draft Gear)	3-4-2.3.6; 3-4-2.5.5;		/				
Draft Gear (Budd Car)	3-4-2.3.5; 3-4-2.5.4		/				
Semi-permanent Drawbar	3-4-2.3.8; 3-4-2.5.7		/				
Yoke/Draft Gear Vickers	3-4-2.3.7; 3-4-2.5.6		/				
Anchorage Budd/Vickers	3-4-2.4.8; 3-4-2.4.9		/				
Solenoid Valve Unit	3-4-2.5.8		/				
INTERIOR		Rev.1.0					
Decals, Interior	4-4-2.7.1		/				
End and Side Doors	4-4-2.7.2		/				
High Ceiling Panels	4-4-2.7.3		/				
Low Ceiling Panels	4-4-2.7.4		/				
Rubber Flooring	4-4-2.7.6		/				
Fire Extinguisher	4-4-2.8.1		/				
HPPL Markers	4-4-2.7.5		/				
Seats	4-4-2.7.7		/				
Windscreen/Stanchion Assembly	4-4-2.7.8		/				

DATE 9/15/22

Mechanical "60K" Inspection

Work Order # 10036854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
OPERATOR'S CAB	Rev.1.0						
Emergency Ladder	5-4-2.5.1		<input checked="" type="checkbox"/>				
Fire Extinguisher	5-4-2.5.2		<input checked="" type="checkbox"/>		<i>bottom clamp broken</i>		<input checked="" type="checkbox"/>
Coat Hook	5-4-2.4.2		<input checked="" type="checkbox"/>				
FRICITION BRAKES	Rev.1.0						
Carbody Piping	12-4-3.3.7		<input checked="" type="checkbox"/>				
D-4-S Air Compressor Unit (ACU) B-Car Only	12-4-3.2.16;						
Intercooler B-Car Only	12-4-3.2.16						
Shroud Screen B-Car Only	12-4-3.2.11						
Compressor By-pass Manifold Assembly B-Car Only	12-4-3.5.2						
F-3 Safety Valves B-Car Only	12-4-3.2.19;						
Aftercooler B-Car Only	12-4-3.2.16						
R-1 Drain Valve B-Car Only	12-4-3.2.21;						
Exhaust Mufflers B-Car Only	12-4-3.2.17						
Discharge Valve B-Car Only	12-4-3.2.17						
Tower Valve B-Car Only	12-4-3.2.17						
Main Res.Pressure Manifold Assembly B-Car Only	12-4-3.2.16;						
Single Check Valve - (BPCU)	12-4-3.2.4;						
Three-way Pilot Valve (Emergency Transfer Valve) - (POU)	12-4-3.4.13						
Silencer - (POU)	12-4-3.4.23						
Test Point - (POU)	12-4-3.4.22						

DATE 9/10/22

Mechanical "60K" Inspection

Work Order # 10036854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
FRICITION BRAKES		Rev.1.0					
Cutout Cock (Vented/Non-vented) (Locking/Non-locking Handle)	12-4-3.2.7		<input checked="" type="checkbox"/>				
Supply Reservoir 3/4-inch Vented Cutout Cock w/Micro switch and Locking Handle	12-4-3.2.18; 12-4-3.4.17		<input checked="" type="checkbox"/>				
VX Vent Valve	12-4-3.2.8;		<input checked="" type="checkbox"/>				
Main Reservoir (MR)	12-4-3.2.9;		<input checked="" type="checkbox"/>				
Supply Reservoir (SR)	12-4-3.2.9;		<input checked="" type="checkbox"/>				
3/4 in. SR Check Valve	12-4-3.2.10		<input checked="" type="checkbox"/>				
Leak Test	12-5-13		<input checked="" type="checkbox"/>				
B-Car Only			<input checked="" type="checkbox"/>				
Functional Test			<input checked="" type="checkbox"/>				
BCO/SCO Test	12-5-13		<input checked="" type="checkbox"/>				
TRUCKS							
Gearbox oil condition/level Note the amount of oil added	Legacy Item		<input checked="" type="checkbox"/>				
Remove, Clean, Reinstall Gear Box Breathers	Legacy Item		<input checked="" type="checkbox"/>				
Top & Bottom Center Pivot	Legacy Item		<input checked="" type="checkbox"/>				
T/M & G/B Suspensions	Legacy Item		<input checked="" type="checkbox"/>				
3rd Rail Shoes & Brackets #1	Legacy Item		<input checked="" type="checkbox"/>			L1=3 1/2-2 1/2 R1=3 1/2-2 1/2	
End Check and adjust			<input checked="" type="checkbox"/>				
3rd Rail Shoes & Brackets #2	Legacy Item		<input checked="" type="checkbox"/>			L2=3 1/2-2 1/2 R2=3 1/2-2 1/2	
End Check and adjust			<input checked="" type="checkbox"/>				
Brake Adjustment & Shoes	Legacy Item		<input checked="" type="checkbox"/>				
T/M Coupler Play & Seal	Legacy Item		<input checked="" type="checkbox"/>				
Add 1 oz Grease T/M Coupling	Legacy Item	<input checked="" type="checkbox"/>					
T/M Grommets	Legacy Item	<input checked="" type="checkbox"/>					
G/B High Speed Play	Legacy Item	<input checked="" type="checkbox"/>					
Wheel Defects	Legacy Item	<input checked="" type="checkbox"/>					
Inspect Wheel Rings	Legacy Item	<input checked="" type="checkbox"/>					
Lube Wheel Rings	Legacy Item	<input checked="" type="checkbox"/>					
Axle & Bearings	Legacy Item	<input checked="" type="checkbox"/>					

DATE 9/15/22


Mechanical "60K" Inspection


Work Order # 10036854


Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
TRUCKS							
Truck Frame	Legacy Item		/				
3rd Rail Beams & Brackets	Legacy Item		/				
Car Body to Truck Hoses	Legacy Item		/				
Lube Brake Packages	Legacy Item		/				
Center Plate & Safety Bar	Legacy Item		/				
Shock Links Lube	Legacy Item		/				
Rod Link (Lube)	Legacy Item		/				
MEASUREMENTS							
#1 end anti climber heights Check and Adjust Air Spring 91psi +/- 2	<u>91</u> Legacy Item		/		Right <u>37 1/8</u> Left <u>37</u>		
#2 end anti climber heights Air Check and Adjust Air Spring 83psi +/- 2	<u>82.6</u> Legacy Item		/		Right <u>36 5/8</u> Left <u>36 5/8</u>		
#1 End Snubber clearances	Legacy Item		/		Right <u>1 1/4</u> Left <u>1 1/4</u>		
#2 End Snubber clearances	Legacy Item		/		Right <u>1 1/4</u> Left <u>1 1/4</u>		

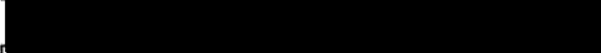
Print Name 

Foreman Review 

Foreman Review 

Manager Review 

Print Name Initials



Print Name Initials

Print Name Initials

Print Name Initials

Print Name Initials

DATE: 9/15/22
W.O.# 10036854

TRUCK FRAME INSPECTION

- 1. CAR NUMBER 1043
- 2. NUMBER ONE TRUCK SERIAL NUMBER 164
- 3. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

NUMBER ONE MOTOR - NO DEFECT: [REDACTED] NUMBER TWO MOTOR - NO DEFECT: [REDACTED]

AND

INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

- 4. NUMBER TWO TRUCK SERIAL NUMBER 1

- 5. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

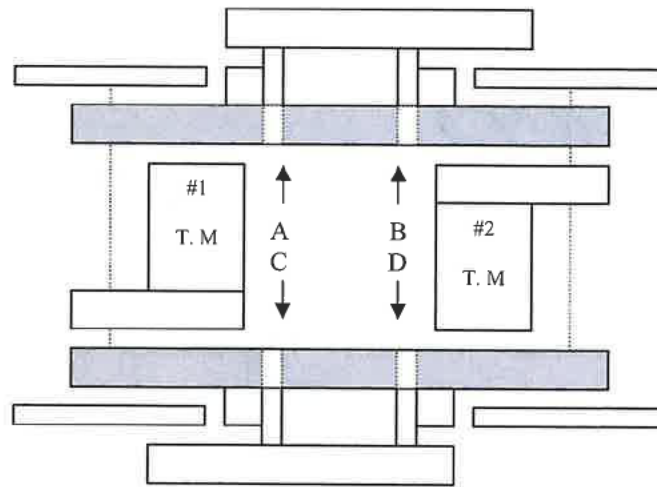
NUMBER THREE MOTOR - NO DEFECT: [REDACTED] NUMBER FOUR MOTOR - NO DEFECT: [REDACTED]

AND

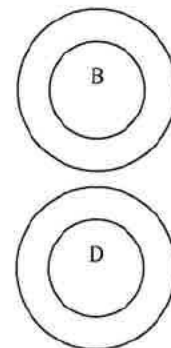
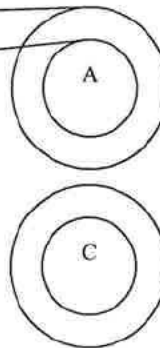
INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

RING WELD INSPECTION: RING WELD LOCATIONS ARE SHOWN BY ARROWS AND IDENTIFIED BY LETTERS



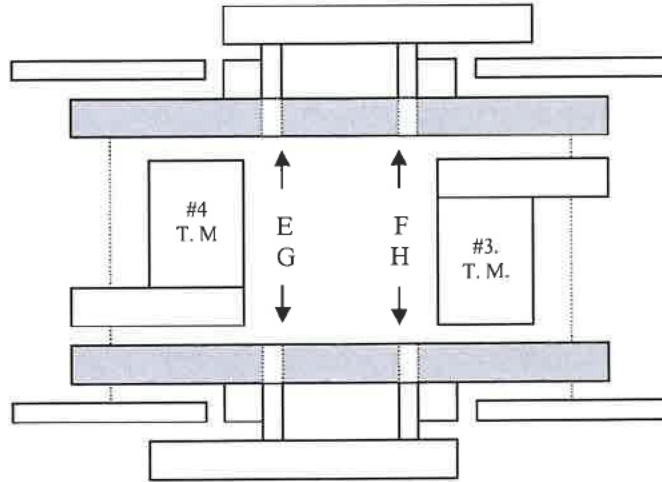
6. **INSPECT #1 TRUCK RING WELDS.** MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



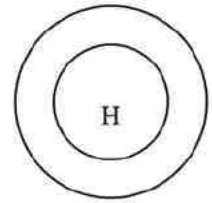
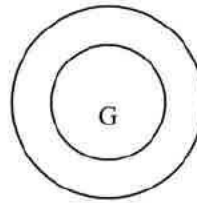
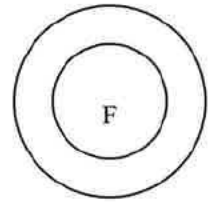
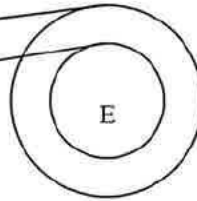
OR

NO DEFECT FOUND





7. INSPECT #2 TRUCK RING WELDS. MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



OR

NO DEFECT FOUND



ANNUAL LUBRICATION

CAR NUMBER: 1043

DATE: 9/18/22

WO #: 10036854

INITIAL OFF THE FOLLOWING ITEMS WHEN COMPLETED

D-4 AIR COMPRESSOR – AIR FILTER CHANGE OUT ; _____

Alstom Car D4-S Air Compressor Inlet Air Filter: #404820

LUBE T/M BEARINGS AND STENCIL MOTOR WITH DATE LUBED

ADD 1 (ONE) OUNCE OF GREASE TO EACH T/M BEARING
(FIVE (5) PUMPS OF THE MANUAL PUMP = ONE (1) OUNCE OF GREASE)

1 T/M COMM. END

PINION END:

STENCILED

2 T/M COMM. END

PINION END:

STENCILED

3 T/M COMM. END

PINION END:

STENCILED

4 T/M COMM. END

PINION END:

STENCILED

DATE 9-19-2012

Electrical "60K" Inspection

Work Order # 10036854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
COUPLERS	Rev.0.2						
Electric Coupler Head	3-4-2.3.6		✓				
Drum Switch Unit	3-4-2.5.10		✓				
Trainlines	3-4-2.5.12		✓				
OPERATOR'S CAB	Rev.1						
Circuit Breaker Panel	5-4-2.4.1		✓				
Windshield Heater	5-4-2.4.3		✓				
PROPULSION	Rev.1						
Self Test	10-4-2.2.1		✓				
Fault Log	10-4-2.2.2		✓				
Chopper Cubicle	10-4-2.2.3; 10-4-2.3.2		✓				
Control Cubicle	10-4-2.2.4; 10-4-2.3.3		✓				
HV Cubicle	10-4-2.2.6;		✓				✓
Brake/Buffer Resistor Unit	10-4-2.2.5		✓				
Driving Direction Switches	10-4-2.3.4		✓				
Line Contactor Q3	10-4-2.2.7		✓				
Buffer Contactors Q41, Q42, Q51, Q52	10-4-2.2.8		✓				
Chopper Contactors Q21, Q51	10-4-2.2.9		✓				
High Speed Circuit Breaker Q2	10-4-2.3.5		✓				
Line Inductor L1	10-4-2.2.10		✓				
Chopper Inductors L21, L51	10-4-2.2.11		✓				
Brake Calibration	10-4-2.3.6		✓				
Chopper Fans	10-4-2.2.12		✓		NO FANS RUNNING during test		
PWM Encoder	10-4-2.3.7		✓				
MDS	Rev.0.6						
Train Display Panel (TDP)	15-4-2.2.1		✓		NOT RESPONDING TO TOUCH		✓
Train Display Speaker	15-4-2.2.2		✓				
Vehicle Monitoring System and Event Recorder (VMS/ER)	15-4-2.2.3		✓				
Hardened Memory Module (HMM)	15-4-2.2.4		✓				
Cable Switch	15-4-2.2.5		✓				

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10036854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
MDS	Rev.0.6						
Vehicle Switch	15-4-2.2.6			✓			
CAB SIGNAL	Rev.0.6						
Power Supply Verification B-Car Only	13-6-9						
ATC Mechanism B-Car Only	13-4-2.2.1						
Aspect Display Unit (ADU)	13-4-2.2.3			✓			
Cab Signal Reception Test	13-4-2.2.6			✓		Picked @ 1.35 Amp	
ATC Receiver Coil Static Test	13-4-2.2.2 13-6-10			✓			
Digital Brake Assurance Unit (DBAU)	13-4-2.3.1						
Wheel Wear Adjustment	13-4-2.2.4 13-4-2.2.5						
COMMUNICATIONS	Rev.0.5						
Communication Control Head (CCH.L) Display Panel	14-4-2.2.2; 14-4-3.1			✓			
Radio Control Head (RCH)	14-4-2.1.1			✓			
Gooseneck Microphone	14-4-2.2.2			✓			
Public Address Amplifier (PA)	14-4-2.2.2			✓			
Train Number Sign (TNS)	14-4-2.2.6; 14-4-3.2			✓			
Passenger Emergency Intercom (PEI)	14-4-2.1.3 14-4-2.2.9			✓			
Interior Passenger Information Signs	14-4-2.2.5; 14-4-3.2			✓			
Electronic Advertising Monitors	14-4-2.2.3; 14-4-3.2			✓		* 1 BND BAD	✓
Side and End Exterior Passenger Information Signs	14-4-2.2.4			✓			
Public Address/Intercom Control Head (Right Side) (CCH.R)	14-4-2.1.2; 14-4-2.3.8		✓				
Interior Speakers	14-4-2.2.7; 14-4-2.4.2		✓				
Exterior Speakers	14-4-2.2.8; 14-4-2.4.5; 14-4-2.5.1		✓				

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10036854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed	
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
COMMUNICATIONS		Rev.0.5						
(A-car) Wireless Antennas	14-4-2.4.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Radio Antenna	14-4-2.4.4		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Surveillance Cameras	14-4-2.1.4; 14-4-3.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Remote PA Function A-Car Only	14-4-2.2.1; 14-4-4		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Main Communication Unit (MCU)	14-4-2.4.1		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
8-Port Ethernet Switch	14-4-2.3.1		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
8-Port Power Over Ethernet (POE) Ethernet Switch	14-4-2.3.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
10-Port Managed Ethernet Switch	14-4-2.3.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Power Over Ethernet (POE) Power Supply	14-4-2.3.4		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Radio Power Supply	14-4-2.3.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Wireless Router	14-4-2.3.6		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Radio Speaker	14-4-2.4.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Noise Sensing Microphone	14-4-2.3.7		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Cab Speaker	14-4-2.4.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Network Video Recorder (NVR)	14-4-2.4.6		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
FRICION BRAKES			Rev.0.2					
Pneumatic Control Module - (POU)	12-4-3.2.22		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
DOORS			Rev.1					
Door System	6-6-2		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Side Door Mechanical Lock (ML) Assembly	6-4-3.1.2;		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Door Control Unit (DCU)	6-4-3.1.3;	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Leading Edge Male, Female	6-4-3.1.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Door Zone Switch	6-4-3.1.9; 6-6-7	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Exterior Emergency Release- Crew Switch (EER-CS)	6-4-3.1.4; 6-6-3	<input checked="" type="checkbox"/>	<input type="checkbox"/>					

DATE 9-15-2012

Electrical "60K" Inspection

Work Order # 10036854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
DOORS		Rev.1					
Underfloor Emergency Release (UER)	6-4-3.1.5; 6-6-4		✓				
Interior Emergency Release (IER)	6-4-3.1.6; 6-6-5		✓				
Local Interior Door Open (LIDO)/ Door Status Light (DSL)	6-4-3.1.10; 6-6-6		✓				
Door Closing Warning Light (DCWL)	6-4-3.1.10; 6-6-8		✓				
Door Closing Warning Signal (DCWS) Bell	6-4-3.1.11; 6-6-9		✓				
LIGHTING			Rev.1				
48-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.1; 8-4-2.4.1		✓				
24-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.2; 8-4-2.4.2		✓				
Threshold Light Fixture	8-4-2.3.4; 8-4-2.4.3		✓				
Bufferway Light	8-4-2.3.3; 8-4-2.4.4		✓				
48 in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.3.6; 8-4-2.4.7		✓				
24-in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.2.2; 8-4-2.3.6; 8-4-2.4.7		✓				

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10036854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed

Print Name	Initials
[Redacted]	[Redacted]
Print Name	Initials
[Redacted]	[Redacted]
Print Name	Initials
[Redacted]	[Redacted]
Print Name	Initials
[Redacted]	[Redacted]

Foreman Review [Redacted]

Foreman Review [Redacted]

Manager Review [Redacted]

Key:

Items in Blue are Cold checks and must be completed 1st.

Items in Red are Hot checks and must be performed after Cold checks

Items in Black are not dependant on Power and can be completed anytime during the inspection

DATE 9-15-2012

Electrical "60K" Inspection

Work Order # 10036854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
AUXILIARY POWER		Rev.4					
Battery Assembly A-Car Only	9-4-2.1.1; 9-4-2.2.1		<input checked="" type="checkbox"/>				
LVPS A-Car Only	9-4-2.1.2		<input checked="" type="checkbox"/>				
Knife Switch and Fuse Box	9-4-2.1.3		<input checked="" type="checkbox"/>				
External Equipment	9-4-2.2.2		<input checked="" type="checkbox"/>				
Low Voltage Distribution Box A-Car only	9-4-2.2.3		<input checked="" type="checkbox"/>				
High Voltage Distribution Box	9-4-2.2.4		<input checked="" type="checkbox"/>				
Battery Distribution Box	9-4-2.2.5		<input checked="" type="checkbox"/>				
Internal Equipment A-Car only	9-4-2.2.6		<input checked="" type="checkbox"/>				
LVPS Gaskets A-Car only	9-4-2.2.7		<input checked="" type="checkbox"/>				
FRICION BRAKES			Rev.2				
Compressor Motor B-Car Only	12-4-3.2.12						
Compressor Motor Leads B-Car Only	12-4-3.2.13						
Compressor Motor Brushes B-Car Only	12-4-3.2.14						
Compressor Motor Inspection Cover B-Car Only	12-4-3.2.15						
Compressor Control Box Assembly B-Car Only	12-4-3.2.20; 12-4-3.3.2;						
Compressor Monitoring Control Box B-Car Only	12-4-3.2.2; 12-4-3.5.7						
TRUCKS/MOTORS/CABLES							
#1 & #2 T/M Covers	Legacy Item						
#1 & #2 T/M Leads and Coupler	Legacy Item						

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10036854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed	
#1 & #2 T/M Brush Holders & Commutator	Legacy Item		/					
#1 & #2 T/M Brush Length & Condition	Legacy Item		/					
#1 Truck 3rd Rail Fuses & Boxes	Legacy Item		/					
#1 Truck Cables	Legacy Item		/					
#1 Truck Ground Brush & Ground Cables	Legacy Item		/			(#1 & #2 GR. BR.) (Rephr.)		
#1 & #2 T/M Cleaned	Legacy Item		/					
#1 & #2 T/M Filter Replacement	Legacy Item		/					
Field MΩ Reading @ 1KV <u>2200M</u>	Legacy Item		/					
Armature MΩ Reading @1KV <u>228M</u>	Legacy Item		/					
#3 & #4 T/M Covers	Legacy Item		/					
#3 & #4 T/M Leads and Coupler	Legacy Item		/					
#3 & #4 T/M Brush Holders & Commutator	Legacy Item		/					
#3 & #4 T/M Brush Length & Condition	Legacy Item		/					
#2 Truck 3rd Rail Fuses & Boxes	Legacy Item		/					
#2 Truck Cables	Legacy Item		/					
#2 Truck Ground Brush & Ground Cables	Legacy Item		/					
#3 & #4 T/M Cleaned	Legacy Item		/					
#3 & #4 T/M Filter Replacement	Legacy Item		/					
TRUCKS/MOTORS/CABLES								
Field MΩ Reading @ 1KV <u>2200M</u>	Legacy Item		/					
Armature MΩ Reading @1KV <u>2200M</u>	Legacy Item	/						

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10036854

Initial the appropriate boxes

Car Number <u>1043</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed

Print Name _____ Initials _____

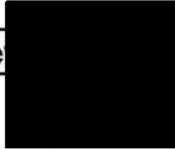
Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Foreman Review 

Foreman Review _____

Manager Review 

Key:
Items in Blue are Cold checks and must be completed 1st.
Items in Red are Hot checks and must be performed after Cold checks
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CAR# 1043
 DATE 9-15-2022

Electrical "60K" HVAC Inspection

Work Order # _____

Initial the appropriate boxes

HVAC	Rev.3		P	F		O	C
Compressor Motor Brushes	7-4-2.5.1		✓	✓	Adjusted		
Air Temperature sensors	7-4-2.6.1		✓	✓			
Cab Auxilairy Heaters	7-4-2.6.2		✓	✓			
Compressor condenser	7-4-2.6.3		✓	✓			
Condensor Coils	7-4-2.6.4		✓	✓			
Condensate piping	7-4-2.6.5		✓	✓			
Evaporators	7-4-2.6.6		✓	✓			
Evaporators inverters	7-4-2.6.7		✓	✓			
Floor heaters	7-4-2.6.8		✓	✓			
HVAC Control Box	7-4-2.6.9		✓	✓	Handwritten Mark		
Refrigerant Piping	7-4-2.6.10		✓	✓			

Print Name _____ Initials _____
 Print Name _____ Initials _____
 Print Name _____ Initials _____
 Print Name _____ Initials _____

Foreman Review _____
 Foreman Review _____
 Manager Review _____

Key:
 Items in Blue are Cold checks and must be completed 1st.
 Items in Red are Hot checks and must be performed after Cold checks
 Items in Black are not dependant on Power and can be completed anytime during the inspection

#1 END FOR PART 55.8
 #2 END FOR PART 57.3
 OIL - OK
 CHANGE - OK
 DRYER - OK
 Drier Done

9/15/2022	S/N: 004279-001-011-03		
Single Cell Voltages			
Ambiant Temp (As seen on LVPS PTE Data Monitoring screen)	Cell #	Car #	
			1043
	1	1.48	
	2	1.49	
77E	3	1.49	
	4	1.49	
	5	1.49	
	6	1.48	
	7	1.48	
	8	1.46	
Battery Current (As seen on TDP Main Screen)	9	1.48	
	10	1.49	
	11	1.46	
	12	1.34	
	13	1.33	
-2A	14	1.48	
	15	1.35	
	16	1.48	
	17	1.46	
	18	1.46	
	19	1.48	
	20	1.48	
	21	1.45	
	22	1.51	
	23	1.48	
	24	1.49	
	25	1.49	
Total Charged Battery Voltage		36.570	
Average		1.462	
Avg +50mv Maximum range		1.512	
Avg -50mv Minimum range		1.412	



60K GROUND RING INSPECTION FORM:

CAR# <u>1043</u>	Truck# 1		Truck#2	
	AXLE 1	AXLE 2	AXLE 3	AXLE 4
Flashing on ground ring	N	N	N	N
Grooved ground ring	N	N	N	N
Oil inside ground brush housing	Y	Y	N	N
Brush replaced	Y	Y	N	N
COMMENTS				

DATE 9/15/22

Mechanical "60K" Inspection

Work Order # 10036855

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
CAR BODY	Rev.1.0						
Between-Car Barriers	2-4-2.2.1		✓				
Carbody Exterior	2-4-2.3.1		✓				
Carbody Underframe	2-4-2.4.1		✓				
Exterior Decals	2-4-2.3.2		✓				
COUPLERS	Rev.1.0						
Mechanical Coupler Head	3-4-2.3.1; 3; 3-4-2.5.1		✓				
Tappet Valve	3-4-2.3.2; 3-4-2.4.2		✓				
Air Line Gasket Replace if Needed	3-4-2.4.14; 3-5-5		✓				
Centering Device	3-4-2.3.3; 3-4-2.5.2		✓				
Radial Carrier	3-4-2.3.4; 3; 3-4-2.5.3		✓				
Drawbar/Draft Gear (Vickers Draft Gear)	3-4-2.3.6; 3-4-2.5.5;		✗	✗			
Draft Gear (Budd Car)	3-4-2.3.5; 3-4-2.5.4		✓		SPACER TUBE WASHERS LOOSE on list	✓	
Semi-permanent Drawbar	3-4-2.3.8; 3-4-2.5.7		✓				
Yoke/Draft Gear Vickers	3-4-2.3.7; 3-4-2.5.6						
Anchorage Budd/Vickers	3-4-2.4.8; 3-4-2.4.9		✓				
Solenoid Valve Unit	3-4-2.5.8		✓				
INTERIOR	Rev.1.0						
Decals, Interior	4-4-2.7.1		✓				
End and Side Doors	4-4-2.7.2		✓		Hand closed door miss		
High Ceiling Panels	4-4-2.7.3		✓				
Low Ceiling Panels	4-4-2.7.4		✓				
Rubber Flooring	4-4-2.7.6		✓				
Fire Extinguisher	4-4-2.8.1		✓				
HPPL Markers	4-4-2.7.5		✓				
Seats	4-4-2.7.7		✓				
Windscreen/Stanchion Assembly	4-4-2.7.8		✓				

screws. ✗ ✓

DATE 9/15/22

Mechanical "60K" Inspection

Work Order # 10036852

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
OPERATOR'S CAB	Rev.1.0						
Emergency Ladder	5-4-2.5.1		✓				
Fire Extinguisher	5-4-2.5.2		✓				
Coat Hook	5-4-2.4.2		✓				
FRICITION BRAKES	Rev.1.0						
Carbody Piping	12-4-3.3.7		✓				
D-4-S Air Compressor Unit (ACU) B-Car Only	12-4-3.2.16;		✓				
Intercooler B-Car Only	12-4-3.2.16		✓				
Shroud Screen B-Car Only	12-4-3.2.11		✓				
Compressor By-pass Manifold Assembly B-Car Only	12-4-3.5.2		✓				
F-3 Safety Valves B-Car Only	12-4-3.2.19;		✓				
Aftercooler B-Car Only	12-4-3.2.16		✓				
R-1 Drain Valve B-Car Only	12-4-3.2.21;		✓				
Exhaust Mufflers B-Car Only	12-4-3.2.17		✓				
Discharge Valve B-Car Only	12-4-3.2.17		✓				
Tower Valve B-Car Only	12-4-3.2.17		✓				
Main Res.Pressure Manifold Assembly B-Car Only	12-4-3.2.16;		✓				
Single Check Valve - (BPCU)	12-4-3.2.4;		✓				
Three-way Pilot Valve (Emergency Transfer Valve) - (POU)	12-4-3.4.13		✓				
Silencer - (POU)	12-4-3.4.23		✓				
Test Point - (POU)	12-4-3.4.22		✓				

DATE 9/15/22

Mechanical "60K" Inspection

Work Order # 10036855

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
FRICITION BRAKES		Rev.1.0					
Cutout Cock (Vented/Non-vented) (Locking/Non-locking Handle)	12-4-3.2.7		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Supply Reservoir 3/4-inch Vented Cutout Cock w/Micro switch and Locking Handle	12-4-3.2.18; 12-4-3.4.17		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
VX Vent Valve	12-4-3.2.8;		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Main Reservoir (MR)	12-4-3.2.9;		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Supply Reservoir (SR)	12-4-3.2.9;		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
3/4 in. SR Check Valve	12-4-3.2.10		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Leak Test			<input checked="" type="checkbox"/>	<input type="checkbox"/>			
B-Car Only	12-5-13		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Functional Test	12-5-13		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
BCO/SCO Test	12-5-13		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
TRUCKS							
Gearbox oil condition/level Note the amount of oil added	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Remove, Clean, Reinstall Gear Box Breathers	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Top & Bottom Center Pivot T/M & G/B Suspensions	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
3rd Rail Shoes & Brackets #1 End	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Check and adjust						2 1/2 - 3 1/2 L1=	2 1/2 - 3 1/2 R1=
3rd Rail Shoes & Brackets #2 End	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Check and adjust						2 1/2 - 3 1/2 L2=	2 1/2 - 3 1/2 R2=
Brake Adjustment & Shoes	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
T/M Coupler Play & Seal	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Add 1 oz Grease T/M Coupling	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
T/M Grommets	Legacy Item	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
G/B High Speed Play	Legacy Item	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Wheel Defects	Legacy Item	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Inspect Wheel Rings	Legacy Item	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Lube Wheel Rings	Legacy Item	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Axle & Bearings	Legacy Item	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

not #10071326
R-2 side bearing broken pin

DATE 9/15/22

Mechanical "60K" Inspection

Work Order # 10036855

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect -- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
TRUCKS							
Truck Frame	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
3rd Rail Beams & Brackets	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Car Body to Truck Hoses	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Lube Brake Packages	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Center Plate & Safety Bar	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Shock Links Lube	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Rod Link (Lube)	Legacy Item		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
MEASUREMENTS							
#1 end anti climber heights Check and Adjust Air Spring 91psi +/- 2	Legacy Item		<input checked="" type="checkbox"/>		Right <u>36 7/8</u> Left <u>37</u>		
#2 end anti climber heights Air Check and Adjust Air Spring 83psi +/- 2	Legacy Item		<input checked="" type="checkbox"/>		Right <u>37 1/8</u> Left <u>37 1/8</u>		
#1 End Snubber clearances	Legacy Item		<input checked="" type="checkbox"/>		Right <u>1 1/4</u> Left <u>1 1/4</u>		
#2 End Snubber clearances	Legacy Item		<input checked="" type="checkbox"/>		Right <u>1 1/4</u> Left <u>1 1/4</u>		

Print Name Initials

Print Name Initials

Print Name Initials

Print Name Initials

Print Name Initials

Print Name Initials

Foreman Review

Foreman Review

Manager Review

* L-4 B/P hanger bushing worn. B/P needs R & R.
not #10021329

DATE: 9/15/22
W.O.# 10036855

TRUCK FRAME INSPECTION

1. CAR NUMBER 1044
2. NUMBER ONE TRUCK SERIAL NUMBER 212
3. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

NUMBER ONE MOTOR – NO DEFECT:  NUMBER TWO MOTOR –NO DEFECT: 

AND

INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

4. NUMBER TWO TRUCK SERIAL NUMBER 188
5. INSPECT THE AREA AT THE TOE OF THE TOP TRANSOM WELD UNDER THE TRACTION MOTOR VERTICAL SUSPENSION TOWER.

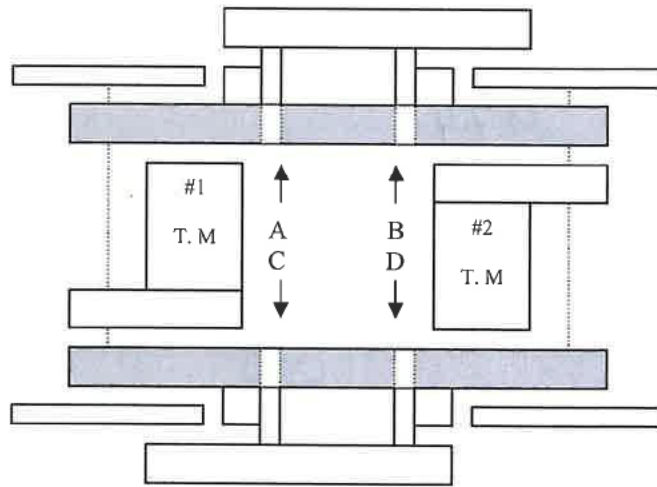
NUMBER THREE MOTOR – NO DEFECT:  NUMBER FOUR MOTOR – NO DEFECT: 

AND

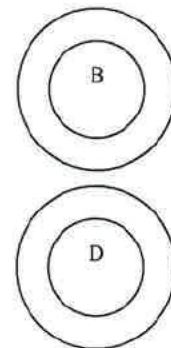
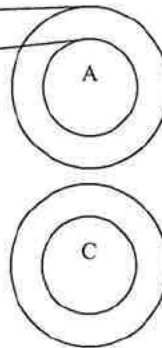
INSPECT THE TRUCK SIDE FRAMES AND ALL WELDED ATTACHING POINTS.

DESCRIPTION OF ANY DEFECTS: (STATE THE LOCATION)

RING WELD INSPECTION: RING WELD LOCATIONS ARE SHOWN BY ARROWS AND IDENTIFIED BY LETTERS



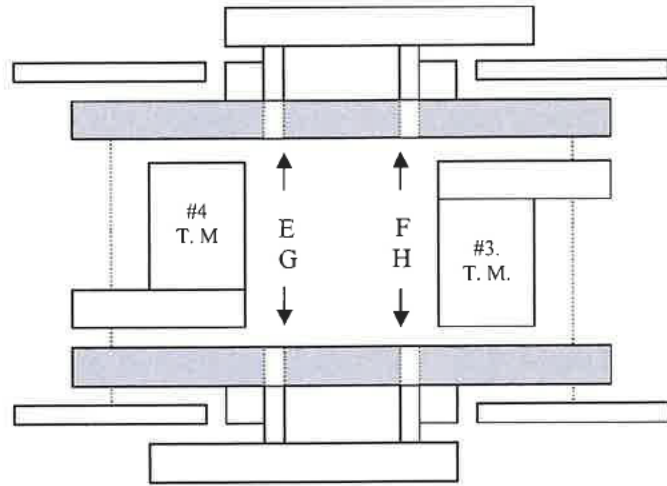
6. **INSPECT #1 TRUCK RING WELDS.** MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



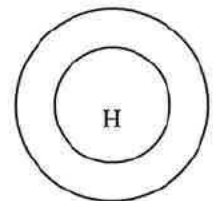
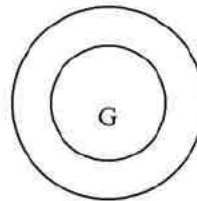
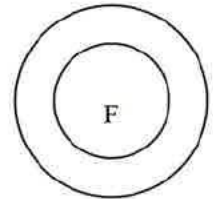
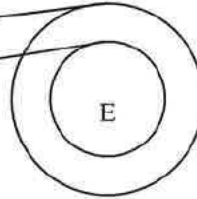
OR

NO DEFECT FOUND





7. INSPECT #2 TRUCK RING WELDS. MARK CRACK INDICATIONS ON THE DIAGRAMS BELOW. DRAW A LINE THAT APPROXIMATES LOCATION AND LENGTH OF ANY CRACKS OBSERVED. LETTERS CORRESPOND TO THE LOCATIONS SHOWN IN THE DIAGRAM ABOVE.



OR

NO DEFECT FOUND



ANNUAL LUBRICATION

CAR NUMBER: 1044

DATE: 9/15/22

WO #: 10036855

INITIAL OFF THE FOLLOWING ITEMS WHEN COMPLETED

D-4 AIR COMPRESSOR – AIR FILTER CHANGE OUT ; _____

Alstom Car D4-S Air Compressor Inlet Air Filter: #404820

LUBE T/M BEARINGS AND STENCIL MOTOR WITH DATE LUBED

ADD 1 (ONE) OUNCE OF GREASE TO EACH T/M BEARING
(FIVE (5) PUMPS OF THE MANUAL PUMP = ONE (1) OUNCE OF GREASE)

# 1 T/M COMM. END:	[REDACTED]	PINION END:	[REDACTED]	STENCILED:	[REDACTED]
# 2 T/M COMM. END:	[REDACTED]	PINION END:	[REDACTED]	STENCILED:	[REDACTED]
# 3 T/M COMM. END:	[REDACTED]	PINION END:	[REDACTED]	STENCILED:	[REDACTED]
# 4 T/M COMM. END:	[REDACTED]	PINION END:	[REDACTED]	STENCILED:	[REDACTED]

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10036855

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
COUPLERS	Rev.0.2						
Electric Coupler Head	3-4-2.3.6		✓	✓			
Drum Switch Unit	3-4-2.5.10		✓				
Trainlines	3-4-2.5.12		✓				
OPERATOR'S CAB	Rev.1						
Circuit Breaker Panel	5-4-2.4.1		✓				
Windshield Heater	5-4-2.4.3		✓				
PROPULSION	Rev.1						
Self Test	10-4-2.2.1		✓		✓ #1 TRUCK #1 (MMTD)		
Fault Log	10-4-2.2.2		✓				
Chopper Cubicle	10-4-2.2.3; 10-4-2.3.2		✓				
Control Cubicle	10-4-2.2.4; 10-4-2.3.3		✓				
HV Cubicle	10-4-2.2.6;		✓				
Brake/Buffer Resistor Unit	10-4-2.2.5		✓				
Driving Direction Switches	10-4-2.3.4		✓				
Line Contactor Q3	10-4-2.2.7		✓				
Buffer Contactors Q41, Q42, Q51, Q52	10-4-2.2.8		✓				
Chopper Contactors Q21, Q51	10-4-2.2.9		✓				
High Speed Circuit Breaker Q2	10-4-2.3.5		✓				
Line Inductor L1	10-4-2.2.10		✓				
Chopper Inductors L21, L51	10-4-2.2.11		✓				
Brake Calibration	10-4-2.3.6		✓		✓ #1 TRUCK FIT locked		
Chopper Fans	10-4-2.2.12		✓		✓ Arm Choppers Bottom Fans		✓
PWM Encoder	10-4-2.3.7		✓				
MDS	Rev.0.6						
Train Display Panel (TDP)	15-4-2.2.1		✓				
Train Display Speaker	15-4-2.2.2		✓				
Vehicle Monitoring System and Event Recorder (VMS/ER)	15-4-2.2.3		✓				
Hardened Memory Module (HMM)	15-4-2.2.4		✓				
Cable Switch	15-4-2.2.5		✓				

ADJUST MILEAGE TO 244978 mi

- A1-244520
- A2-244517
- B1-244973
- B2-244978

9/16/22
[Redacted]

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10036855

Initial the appropriate boxes

Car Number <u>10644</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
MDS	Rev.0.6						
Vehicle Switch	15-4-2.2.6		<input checked="" type="checkbox"/>				
CAB SIGNAL	Rev.0.6						
Power Supply Verification B-Car Only	13-6-9		<input checked="" type="checkbox"/>				
ATC Mechanism B-Car Only	13-4-2.2.1		<input checked="" type="checkbox"/>				
Aspect Display Unit (ADU)	13-4-2.2.3		<input checked="" type="checkbox"/>				
Cab Signal Reception Test	13-4-2.2.6		<input checked="" type="checkbox"/>		1.29 AMPS		
ATC Receiver Coil Static Test	13-4-2.2.2 13-6-10		<input checked="" type="checkbox"/>				
Digital Brake Assurance Unit (DBAU)	13-4-2.3.1		<input checked="" type="checkbox"/>				
Wheel Wear Adjustment	13-4-2.2.4 13-4-2.2.5		<input checked="" type="checkbox"/>		$\begin{array}{r} 34 \\ 2650 \\ \hline 41 \\ 2700 \end{array}$		
COMMUNICATIONS	Rev.0.5						
Communication Control Head (CCH.L) Display Panel	14-4-2.2.2; 14-4-3.1		<input checked="" type="checkbox"/>				
Radio Control Head (RCH)	14-4-2.1.1		<input checked="" type="checkbox"/>				
Gooseneck Microphone	14-4-2.2.2		<input checked="" type="checkbox"/>				
Public Address Amplifier (PA)	14-4-2.2.2		<input checked="" type="checkbox"/>				
Train Number Sign (TNS)	14-4-2.2.6; 14-4-3.2		<input checked="" type="checkbox"/>				
Passenger Emergency Intercom (PEI)	14-4-2.1.3 14-4-2.2.9		<input checked="" type="checkbox"/>				
Interior Passenger Information Signs	14-4-2.2.5; 14-4-3.2		<input checked="" type="checkbox"/>				
Electronic Advertising Monitors	14-4-2.2.3; 14-4-3.2		<input checked="" type="checkbox"/>		#1 End NOT working		
Side and End Exterior Passenger Information Signs	14-4-2.2.4		<input checked="" type="checkbox"/>				
Public Address/Intercom Control Head (Right Side) (CCH.R)	14-4-2.1.2; 14-4-2.3.8		<input checked="" type="checkbox"/>				
Interior Speakers	14-4-2.2.7; 14-4-2.4.2		<input checked="" type="checkbox"/>				
Exterior Speakers	14-4-2.2.8; 14-4-2.4.5; 14-4-2.5.1		<input checked="" type="checkbox"/>				

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10036855

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
COMMUNICATIONS		Rev.0.5					
(A-car) Wireless Antennas	14-4-2.4.3						
Radio Antenna	14-4-2.4.4						
Surveillance Cameras	14-4-2.1.4; 14-4-3.3			✓			
Remote PA Function A-Car Only	14-4-2.2.1; 14-4-4						
Main Communication Unit (MCU)	14-4-2.4.1						
8-Port Ethernet Switch	14-4-2.3.1			✓			
8-Port Power Over Ethernet (POE) Ethernet Switch	14-4-2.3.2			✓			
10-Port Managed Ethernet Switch	14-4-2.3.3			✓			
Power Over Ethernet (POE) Power Supply	14-4-2.3.4			✓			
Radio Power Supply	14-4-2.3.5			✓			
Wireless Router	14-4-2.3.6			✓			
Radio Speaker	14-4-2.4.2			✓			
Noise Sensing Microphone	14-4-2.3.7			✓			
Cab Speaker	14-4-2.4.2			✓			
Network Video Recorder (NVR)	14-4-2.4.6						
FRICION BRAKES		Rev.0.2					
Pneumatic Control Module - (POU)	12-4-3.2.22			✓			
DOORS		Rev.1					
Door System	6-6-2			✓			
Side Door Mechanical Lock (ML) Assembly	6-4-3.1.2;			✓			
Door Control Unit (DCU)	6-4-3.1.3;			✓			
Leading Edge Male, Female	6-4-3.1.8			✓			
Door Zone Switch	6-4-3.1.9; 6-6-7			✓			
Exterior Emergency Release- Crew Switch (EER-CS)	6-4-3.1.4; 6-6-3			✓			

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10030855

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
DOORS	Rev.1						
Underfloor Emergency Release (UER)	6-4-3.1.5; 6-6-4		✓				
Interior Emergency Release (IER)	6-4-3.1.6; 6-6-5		✓				
Local Interior Door Open (LIDO)/ Door Status Light (DSL)	6-4-3.1.10; 6-6-6		✓				
Door Closing Warning Light (DCWL)	6-4-3.1.10; 6-6-8		✓				
Door Closing Warning Signal (DCWS) Bell	6-4-3.1.11; 6-6-9		✓				
LIGHTING	Rev.1						
48-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.1; 8-4-2.4.1		✓				
24-in. Fluorescent Light Fixture w/ & w/o 37.5 Vdc Ballast	8-4-2.3.2; 8-4-2.4.2		✓				
Threshold Light Fixture	8-4-2.3.4; 8-4-2.4.3		✓	✗	24 Threshold light OUT		✓
Bufferway Light	8-4-2.3.3; 8-4-2.4.4		✓				
48 in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.3.6; 8-4-2.4.7		✓				
24-in. Emergency Fluorescent Light Fixture w/ 37.5 Vdc Ballast and AELU Ballast	8-4-2.2.2; 8-4-2.3.6; 8-4-2.4.7		✓				

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10030855

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Print Name _____ Initials _____

Foreman Review _____

Foreman Review _____

Manager Review _____

Key:
Items in Blue are Cold checks and must be completed 1st.
Items in Red are Hot checks and must be performed after Cold checks
Items in Black are not dependant on Power and can be completed anytime during the inspection

DATE 4-15-2022

Electrical "60K" Inspection

Work Order # 10036855

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed	
AUXILIARY POWER Rev.4								
Battery Assembly A-Car Only	9-4-2.1.1; 9-4-2.2.1							
LVPS A-Car Only	9-4-2.1.2							
Knife Switch and Fuse Box External Equipment	9-4-2.1.3 9-4-2.2.2			X				
Low Voltage Distribution Box A-Car only	9-4-2.2.3							
High Voltage Distribution Box	9-4-2.2.4			X				
Battery Distribution Box Internal Equipment A-Car only	9-4-2.2.5 9-4-2.2.6							
LVPS Gaskets A-Car only	9-4-2.2.7							
FRICION BRAKES Rev.2								
Compressor Motor B-Car Only	12-4-3.2.12			X				
Compressor Motor Leads B-Car Only	12-4-3.2.13			X				
Compressor Motor Brushes B-Car Only	12-4-3.2.14		X					
Compressor Motor Inspection Cover B-Car Only	12-4-3.2.15		X					
Compressor Control Box Assembly B-Car Only	12-4-3.2.20; 12-4-3.3.2;		X					
Compressor Monitoring Control Box B-Car Only	12-4-3.2.2; 12-4-3.5.7		X					
TRUCKS/MOTORS/CABLES								
#1 & #2 T/M Covers	Legacy Item		X					
#1 & #2 T/M Leads and Coupler	Legacy Item		X					

DATE 9-15-2022

Electrical "60K" Inspection

Work Order # 10036855

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
#1 & #2 T/M Brush Holders & Commutator	Legacy Item			X	SCORPED ^{Flashed} Comm		
#1 & #2 T/M Brush Length & Condition	Legacy Item			X	REMOVED		
#1 Truck 3rd Rail Fuses & Boxes	Legacy Item		X				
#1 Truck Cables	Legacy Item		X				
#1 Truck Ground Brush & Ground Cables	Legacy Item		X				
#1 & #2 T/M Cleaned	Legacy Item			X			
#1 & #2 T/M Filter Replacement	Legacy Item			X			
Field MΩ Reading @ 1KV <u>1100</u>	Legacy Item						
Armature MΩ Reading @1KV <u>0.4</u>	Legacy Item			X	N10021321 BURN FINGER A2 LOW MΩ		
#3 & #4 T/M Covers	Legacy Item						
#3 & #4 T/M Leads and Coupler	Legacy Item						
#3 & #4 T/M Brush Holders & Commutator	Legacy Item						
#3 & #4 T/M Brush Length & Condition	Legacy Item				#2 MTR (LOW BRUSHES) (BR. EATER) (Dope. Br)		✓
#2 Truck 3rd Rail Fuses & Boxes	Legacy Item						
#2 Truck Cables	Legacy Item						
#2 Truck Ground Brush & Ground Cables	Legacy Item				(#3 MTR, LOW GR. BR.) (Rope. Br.)		✓
#3 & #4 T/M Cleaned	Legacy Item						
#3 & #4 T/M Filter Replacement	Legacy Item						
TRUCKS/MOTORS/CABLES							
Field MΩ Reading @ 1KV <u>270</u>	Legacy Item		X				
Armature MΩ Reading @1KV <u>0.11</u>	Legacy Item		X				

* CAR BODY A2 FINGER BURN N10021321
 #1 TRUCK
 * LOOSE BOLT RT REAR H BRACKET

DATE 9-15-7

Electrical "60K" Inspection

Work Order # 10036855

Initial the appropriate boxes

Car Number <u>1044</u>	RMSM Criteria Reference	Completed	Pass	Fail	Defect-- use the form bottom or back if additional room is needed	Open	Closed
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Print Name [Redacted]	Initials [Redacted]
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Foreman Review [Redacted]

Print Name [Redacted]	Initials [Redacted]
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Foreman Review

Print Name	Initials
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Manager Review [Redacted]

Print Name	Initials
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Key:
Items in Blue are Cold checks and must be completed 1st.
Items in Red are Hot checks and must be performed after Cold checks
Items in Black are not dependant on Power and can be completed anytime during the inspection

CAR# 1044
 DATE 9-15-2022

Electrical "60K" HVAC Inspection

Work Order # _____

Initial the appropriate boxes

HVAC	Rev.3		P	E		O	C
Compressor Motor Brushes	7-4-2.5.1		✓	✓	Changed		
Air Temperature sensors	7-4-2.6.1		✓	✓			
Cab Auxilairy Heaters	7-4-2.6.2		✓	✓			
Compressor condenser	7-4-2.6.3		✓	✓			
Condensor Coils	7-4-2.6.4		✓	✓			X
Condensate piping	7-4-2.6.5		✓	✓			
Evaporators	7-4-2.6.6		✓	✓			
Evaporators inverters	7-4-2.6.7		✓	✓			
Floor heaters	7-4-2.6.8		✓	✓			
HVAC Control Box	7-4-2.6.9		✓	✓			
Refrigerant Piping	7-4-2.6.10		✓	✓			

Print Name [Redacted] Initials [Redacted]

Print Name [Redacted] Initials [Redacted]

Print Name [Redacted] Initials [Redacted]

Print Name [Redacted] Initials [Redacted]

Foreman Review [Redacted]

Foreman Review [Redacted]

Manager Review [Redacted]

Key:

Items in Blue are Cold checks and must be completed 1st.

Items in Red are Hot checks and must be performed after Cold checks

Items in Black are not dependant on Power and can be completed anytime during the inspection

#1 END FOR HEAT 56.8

#2 END FOR HEAT 58.8

OIL - added

CHANGE - added

Compter - OK

DRIVER - Done

* POSSIBLE small LEAK AT Condenser coil

* cleaned and leak tested very small amount of oil on side of condenser BUT NDF

Car Number	1143
Work Order #	10036854

Front POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	91 +/- 2 psi	0 +/- 5 psi
	Actual	15	92	2
B4	Spec	60 - 70%	91 +/- 2 psi	66.9 +/- 3 psi
	Actual	62	92	68
Emergency	Spec	68 - 78%	91 +/- 2 psi	74.5 +/- 3 psi
	Actual	69	92	75

Rear POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	83 +/- 2 psi	0 +/- 5 psi
	Actual	15	83	9
B4	Spec	60 - 70%	83 +/- 2 psi	66.9 +/- 3 psi
	Actual	62.9	83	67
Emergency	Spec	68 - 78%	83 +/- 2 psi	74.5 +/- 3 psi
	Actual	69.8	83	73.7

Car Number	1144
Work Order #	10031855

Rear POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	83 +/- 2 psi	0 +/- 5 psi
	Actual	15	83	9
B4	Spec	60 - 70%	83 +/- 2 psi	66.9 +/- 3 psi
	Actual	63	83	67.9
Emergency	Spec	68 - 78%	83 +/- 2 psi	74.5 +/- 3 psi
	Actual	70	83	76

Front POU

TPSR >125 psi

TPBP >120 psi

		PWM	ASP	BCP
Coast	Spec	5 - 15%	91 +/- 2 psi	0 +/- 5 psi
	Actual	14.8	91	0
B4	Spec	60 - 70%	91 +/- 2 psi	66.9 +/- 3 psi
	Actual	63.8	91	66.7
Emergency	Spec	68 - 78%	91 +/- 2 psi	74.5 +/- 3 psi
	Actual	70	91	74

60K GROUND RING INSPECTION FORM:

CAR# <u>1044</u>	Truck# 1		Truck#2	
	AXLE 1	AXLE 2	AXLE 3	AXLE 4
Flashing on ground ring	<i>NO</i>	<i>NO</i>	<i>N</i>	<i>N</i>
Grooved ground ring	<i>NO</i>	<i>NO</i>	<i>N</i>	<i>N</i>
Oil inside ground brush housing	<i>NO</i>	<i>NO</i>	<i>Y</i>	<i>N</i>
Brush replaced	<i>NO</i>	<i>NO</i>	<i>Y</i>	<i>N</i>
COMMENTS				