

REVISED: 8/18/2010



**MMA RAILWAY  
MECHANICAL DEPARTMENT  
MODIFICATIONS**

UNIT \_\_\_\_\_

DATE \_\_\_\_\_

ELECTRICIAN / MACHINIST

SIGNATURES

1. DYNAMIC BRAKE HOLDING FEATURE
2. CHECK BATTERY CONNECTIONS AND RECOAT LUGS
3. SINGLE MAN BRAKE TEST

*John Jones*  
*John Jones*  
*John Jones*

**WINTERIZATION**

	Signature
Winterization – All MMA Locomotives. (August - April)	
Inspect front and rear cab door seals replace, as needed (NO TAPE)	
Inspect left and right side window seals replace as needed.	
Inspect Electric cabinet door seals replace as needed.	
Operate Cab Heaters-Check condition of Heater Assembly @ 45o F above Ambient Temperature.	
Operate Window Defrosters-Check condition of Defroster @ 45o F above Ambient Temperature.	
If equipped, test the Auto Dump valve for proper operation.	
Test Manual Water Dump Valves, Proper Handle, Location, Orifice is Open.	
Close Winter/ Summer doors if equipped.	
Check Traction Motor cover gaskets, install as needed.	
Check condition of Cab Door Hinges (Lubricate all Hinges)	<i>T. P. Boode</i>
Check condition of Cab Door Locks (Lubricate all Locks)	<i>T. P. Boode</i>
Inspect Cab Windows Slider Rail, Adjust Top Rail as needed, Lubricate with Silicone Grease.	<i>T. P. Boode</i>
Renew all Wiper Blades.	✓ <i>OK T. P. Boode</i>
Criteria for Door seal Replacement: A. Seal shows signs of Deterioration and or Medium to Heavy Cracking. B. Door seal is Torn or Loose from Door. C. With Door in the fully closed position has noticeable crack between door jam and cab carbody.	<i>T. P. Boode</i>
Criteria for Window seal Replacement: A. Seals shows signs of Deterioration and or Medium to Heavy Cracking. B. Seal is Torn or Loose from window seal. C. With windows fully in the closed position there is a gap between window frame and carbody.	<i>T. P. Boode</i>







Unit: \_\_\_\_\_

Date: \_\_\_\_\_

## DEFECTS FOUND DURING INSPECTION

DEFECT	R-1 WHEEL 4-22 High Flange (NOT Condemning)	INSPECTED BY:	J. Black
REPAIR	RE-check NEXT TEST.	CORRECTED BY:	J. Black

DEFECT	R-2 WHEEL SHARP FLANGE	INSPECTED BY:	J. Black
REPAIR	CUT WIRE Edge on Flange	CORRECTED BY:	J. Black

DEFECT	R-4 WHEEL SHARP FLANGE	INSPECTED BY:	J. Black
REPAIR	CUT WIRE Edge on Flange	CORRECTED BY:	J. Black

DEFECT	Right Rear SLACK Adj missing Adj pin	INSPECTED BY:	J. Black
REPAIR	REPLACED Adj PIN & Adj SLACK	CORRECTED BY:	J. Black

DEFECT	TN #2 Speed probe cable Chattered Through on wheel	INSPECTED BY:	J.H.
REPAIR	Replaced by night STAFF	CORRECTED BY:	S. J.

Unit: \_\_\_\_\_

Date: \_\_\_\_\_

### DEFECTS FOUND DURING INSPECTION

DEFECT	RB P/A BOLT BROKE-OFF. BOLT HAS BEEN REMOVED * NEEDS (4) BOLTS REPLACED	INSPECTED BY: TP Board
REPAIR	Replaced All (4) P/A Hold down Bolts cyl looks - OK JwBlack	CORRECTED BY: JwBlack

DEFECT	BOTH CAB SEATS MISSING ARMREST A	INSPECTED BY: TP Board
REPAIR	Arm rest wont clear side-wall when seat is in swing position	CORRECTED BY: TP Board

DEFECT	BOTH CAB SEATS HAVE NO PIVOT PIN OR Adj. Height pins	INSPECTED BY: TP Board
REPAIR	Added pivot & Height Adj. pins	CORRECTED BY: TP Board

DEFECT	Toilet empty But stinks bad needs cleaning	INSPECTED BY: TP Board
REPAIR	cleaned toilet & Floor & refilled	CORRECTED BY: TP Board

DEFECT	LF MR Handle spring is weak- wont lock in place	INSPECTED BY: TP Board
REPAIR	Replaced handle	CORRECTED BY: TP Board

Montreal, Maine, & Atlantic Railway  
Locomotive

Unit 5-7-12

Date 8525

3 Month Federal Air Work

1. Inspect and repair air piping and valves for leaks ..... Black
2. Test all air gauges with gauge tester and set if required ..... Black  
*REPLACED O-RINGS IN TEST Black JB/DB*
3. With full brake pipe pressure, make a 20lb. reduction, move the cutoff valve to "OUT" position and move the lead - dead valve to "DEAD" position. Brakes must remain applied for 5 minutes ..... Black
4. Cover each trainline hose coupling with hand and test for leakage through valve, then apply blank dummy couplings to the trainline hoses on each end of the unit and open trainline valves. Make a 20lb. reduction with the Automatic, move the cutoff valve to "OUT" position and check for brake pipe leakage. Leakage shall not exceed 5 lb. per minute ..... Black
5. Reduce main reservoir pressure to 85 lbs. by draining #2 main reservoir. (\*) Check cab gauge for leakage from main reservoirs and piping for 3 minutes. Leakage must not exceed an average of 3 lb. per minute during the test ..... Black
6. Drain #1 main reservoir (\*) completely and test check valve between reservoirs. Pressure should remain on the main reservoir gauge in the cab as #1 main reservoir is drained ..... Black
7. Check all MFV valve handles to ensure the locking devices work properly. Lubricate or replace as necessary ..... Black
8. Check knuckle thrower to make sure it opens the knuckle. Lubricate or repair as necessary ..... Black

Note (\*) #1 reservoir is without the check valve, # 2 is with the check valve.



# Montreal, Maine and Atlantic Railway

36 MONTH Fed. & AIR WORK

unit no. \_\_\_\_\_

Date \_\_\_\_\_

24 L EQUIPMENT. (UNITS 20-24, 300-303, 40-4305 and 81-98)

1. Change Automatic Brake Valve Portion. ....
2. Change Independent Brake Valve. ....
3. Change A-1 Charging Cutoff Pilot Valve. ....
4. Change Control Valve Portions:
  - a. Service Portion. ....
  - b. Quick Release Portion. ....
5. Change F-2-A Application Valve. ....
6. Change Overspeed Magnet Valve (Salem 816-1). ....
7. Change Compressor Unloader Magnet Valve. ....
8. Change Out Compressor Intake Air Filters. .... *D. Black*
9. Remove and Wash Inertial Air Separators. ....
10. Change J-relay air valve. ....
11. Clean Six 2-Way Checks. ....
12. Change Air Compressor Intake Air Filters. .... *D. Black*
13. Change Oil in Air Compressor. .... *D. Black*
14. Change #8 vent valve. ....

Comments:



Quantum Desktop Playback

Manufacturer is QEI    Version # S45E  
Serial Number is 0204110402  
Customer is MMAR

Data was removed on        - 12:34:34 on 06/05/12  
Last Downloaded on        - 07:37:00 on 02/29/12  
Battery was installed on    - 11/12/04  
Locomotive Number is      = 8525

Downloaded by    -            jh  
Location            -            derb  
Train                -            234  
Wheel Size Entry -    40  
Wheel Size used by program:  
Circumference = 125.7    Diameter = 40.0  
No memo present.

Wheel size used for printout is 125.66

QDP Version V



Quantum Desktop Playback  
Data Scan Report

Report Date: 06-05-2012  
Locomotive 8525

Data Removed on 06-05-12

SPEED (MPH)	OK
TRACTION MOTOR CURRENT	OK
BRAKE PIPE PRESSURE	OK
INDEPENDENT BRAKE	OK
END-OF-TRAIN PSI	Never above 20.
EP BRAKE REQUESTED	Never ON/ACTIVE
THROTTLE	Dynamic Brake never reported. Low Idle never reported.
REVERSE	OK
EIE	OK
PCS	OK
HORN	OK
EOT MOVING	Never ON/ACTIVE
EOT MSG. JUST RX	Never ON/ACTIVE
EOT LIGHT	Never ON/ACTIVE
EP OPERATING MODE	Never ON/ACTIVE
EP PENALTY BRAKE	Never ON/ACTIVE
EP ENGINEER EMERGENCY	Never ON/ACTIVE