



M06

Locomotive Release from Shop Form
To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 8592 on this date 10-16-10 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

Montreal, Maine, & Atlantic Railway

Locomotive

Unit A592

Date 10-19-10

3 Month Federal Air Work

Signature D. Black

1. Inspect and repair air piping and valves for leaks

2. Test all air gauges with gauge tester and set if required.....

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.....

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.....

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.....

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.....

7. Check all MU valve handles to ensure the locking devices work properly. Lubricate or replace as necessary.....

8. Check knuckle thrower to make sure it opens the knuckle. Lubricate or repair as necessary.....

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



B-23, 9, C-30, GP-7 MO6 INSPECTION

ELECTRICAL IN HOUSE

WORKED BY:

COMPLETE THE BATTERY MAINTENANCE SHEET PER JSP-010	J. Harte
CHECK DIODES AND FUSES IN THE MAIN GENERATOR. REPLACE AS NECESSARY.	J. Harte
INSPECT ALL WIRING ON THE MAIN GENERATOR TERMINAL BOARD. REPAIR ANY LUGS THAT ARE OVERHEATED.	J. Harte
CHECK AND CHANGE "IF NEEDED" THE BRUSHES ON THE FOLLOWING EQUIPMENT:	J. Harte
GRID BLOWER MOTORS	J. Harte
SOAK BACK MOTORS	
AUXILLARY GENERATOR	J. Harte
SLIP RING BRUSHES, EXCITER MOTOR	J. Harte
CHANGE FUEL PUMP MOTOR BRUSHES	J. Harte
INSPECT CAB HEATERS AND CHANGE MOTOR BRUSHES AS NECESSARY	J. Harte
CAB ELECTRICAL	
DOWNLOAD EVENT RECORDER	J. Harte
CHECK & RECORD THE DATE ON HEAD END DEVICE <u>none in unit</u>	J. Harte
CHECK AND CHANGE "IF NEEDED" THE BRUSHES ON THE FOLLOWING EQUIPMENT:	J. Harte
CHECK GENERATOR AND ELECTRIC CABINET COVERS TO ENSURE THEY HAVE LEGIBLE "DANGER" STICKERS	J. Harte
CHECK CAB STICKERS TO ENSURE THAT THEY ARE LEGIBLE (DANGER 600 VOLTS) (FRA 223 GLAZING) ETC.	J. Harte
ENSURE DYNAMIC BRAKE HATCH DOORS ARE SECURED PROPERLY AND HAVE LEGIBLE "DANGER" STICKERS.	J. Harte
CHECK THE FOLLOWING EQUIPMENT AND THEIR RELATED GUARDS AND LENSES FOR PROPER OPERATION:	J. Harte
AUXILLARY GENERATOR	J. Harte
SLIP RING BRUSHES, EXCITER MOTOR	J. Harte
ALT. DIODE BANK	J. Harte
INSPECT BOTH STARTER SERIAL NUMBERS. IF ANY STARTER IS WITHIN 3 MONTHS OF BEING 3 YEARS OLD, PLEASE CHANGE THE STARTER. TOP STARTER SN _____ BOTTOM STARTER SN _____ DID EITHER STARTER GET REPLACED? YES NO	NOTE: MMA 758 ONLY
APPLY A THIN COAT OF THE SAE NO. 10 OIL TO THE FOLLOWING STARTER COMPONENTS	
A. ARMATURE SHAFT SPLINES	
B. CLUTCH ASSEMBLY SPIRAL SPLINES AND MATING GEAR SPLINES	
FRONT AND REAR HEADLIGHTS, DITCH LIGHTS, CAB LIGHTS, GAUGE LIGHTS, NUMBER PLATES, PLATFORM LIGHTS, ENGINE ROOM LIGHTS, INDICATOR LIGHTS	
CHECK CONTROLLER FOR PROPER OPERATION OF REVERSER AND THROTTLE HANDLE LOCKING DEVICES	
CHECK EMERGENCY FUEL SHUT-OFF FROM ALL LOCATIONS	
TRACTION MOTORS AND UNDERFRAME	
INSPECT AXLE GENERATOR AND ENSURE ALL COVER BOLTS ARE IN PLACE AND TIGHT	J. Harte
CLEAN AND CHECK THE TRACTION MOTOR LEADS, CLAMPS, VERIFY NO LEADS ARE RUBBING ON THE FRAME	J. Harte
CHANGE ANY TRACTION MOTOR BRUSH WITH LESS THAN 50% LIFE LEFT	J. Harte
INSPECT TRACTION MOTOR COVERS AND ENSURE BOLTS ARE IN PLACE AND TIGHT	J. Harte
ENSURE TRACTION GROUND WIRES ARE IN PLACE AND PROPERLY SECURED	J. Harte
CLEAN FACE PLATE ON RADAR TRANSCEIVER	
CHECK M.U. RECEPTACLE AND LIDS. MAKE NECESSARY REPAIRS	J. Harte
MAKE SURE M.U. CABLES DO NOT FOUL COUPLERS	



B-23, B-30, C-30, GP-7 MO6 INSPECTION

In-House Or Dead Mechanical

WORKED BY

SECTION 1 (ANNUAL ITEMS)

WITH ENGINE WARM, PRESSURE TEST COOLING SYSTEM AT 20 PSI AND INSPECT THE ENTIRE COOLING SYSTEM FOR LEAKS

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PERFORM CRANKCASE INSPECTION WHILE BARRING THE ENGINE OVER, PAY CAREFUL ATTENTION FOR BROKEN RINGS AND/OR "JUMPING" RODS INDICATING THRUST WASHER WEAR

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INSPECT PISTON COOLING TUBES (END ONLY)

—

INSPECT WATER MANIFOLD SADDLE STRAPS BETWEEN 4&5 AND 12&13 PA'S FOR PROPER SECUREMENT (EMD ONLY)

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INSPECT AIR BOX; CLEAN AS NECESSARY

Jw Black
J Black

INSPECT TOP DECK COVERS, SEALS AND LATCHES. REPLACE AS NECESSARY

INSPECT ALL EXHAUST MANIFOLDS, EXPANSION JOINTS AND HEAT SHIELDS FOR DEFECTS AND SECUREMENT.

Jw Black

REMOVE AND CLEAN EDUCTOR TUBE AND STACK OUTLET AND REPLACE GASKETS

REMOVE AND CLEAN ENGINE OIL SEPARATOR. REPLACE GASKET (EMD ONLY)

VERIFY SOAKBACK PUMP OPERATION AT #16 OIL PAN COVER (EMD ONLY)

PULL MICHIANA TANK AND SUCTION BOX DRAIN (IF CRANKCASE AND AIRBOX PASS INSPECTION) (EMD ONLY)

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INSPECT AFTERCOOLER DUCTS FOR LOOSE/MISSING BOLTS (60 FT LBS)

Jw Black

LUBRICATE RADIATOR SHUTTER LINKAGES AND CYLINDERS

REPLACE THE BELL VALVE

INSPECT ROCKER ARMS, ROCKER ARM BUSHINGS AND CAM FOLLOWERS

Jw Black

SECTION 2

CHANGE / INSPECT / CLEAN:

Jw Black

CHANGE HVAC FILTERS IF APPLICABLE

INTAKE FILTER(ONLY AFTER HVAC IS WASHED)

Jw Black

REPLACE "BAGGIE" AIR FILTERS AND VISUALLY INSPECT TURBO IMPELLER AND EXAMINE CHAMBER FOR DEBRIS AND CRACKS

Jw Black

PRIMARY, SECONDARY FUEL FILTERS & O RING SEALS

FUEL STRAINERS & O RING SEALS

N/A

FUEL BY-PASS GAUGE (INSPECT ONLY)

Jw Black

CHANGE SOAKBACK FILTER AND RENEW O RING SEALS

N/A

CHANGE TURBO FILTER AND RENEW O RING SEALS

Jw Black

REMOVE PRIMARY LUBE OIL FILTER BYPASS VALVE AND CLEAN

Jw Black

CHANGE ENGINE LUBE OIL FILTERS

Jw Black

RENEW MICHIANA O RING SEAL AND CLEAN MICHIANA FILTER HOUSING

Jw Black

CLEAN LUBE OIL STRAINERS AND STRAINER BOX, REFRESH OIL

Jw Black

BASE INSPECTION - (OK) - J Black

Oil Sample TAKEN - 10-19-2010 - Jw Black

B-23, B-39, C-30, GP-7 MO6 INSPECTION

P: VERIFY ALL ARMREST FASTENERS ARE SECURE. REPLACE ANY MISSING OR STRIPPED OUT FASTENERS.

D. Black

Q: INSPECT ARMREST SWIVEL FASTENERS. ENSURE SWIVEL FASTENER IS SECURE ON EACH ARMREST SUCH THAT THE ARMREST IS WITHOUT SIDE TO SIDE MOVEMENT. ARMREST SHOULD SWIVEL TO VERTICAL. ARMREST SHOULD NOT DROP DOWN PAST IT'S ORIGINAL STOP.

D. Black

R: INSPECT SEAT FABRIC ON SEAT PAN AND BACKREST. INSPECT FOR RIPS, TEARS, OR HOLES. SEAT PAN OR BACKREST COMPONENT MAY BE REPLACED IF THERE IS AN EXCESSIVE RIP, TEAR, OR HOLE.

D. Black

SEAT PART NUMBERS:

Cab Seat, Freight with arms: 2043511

Cab Seat Mid Back: 20425731

Wall Mounted Pedestal: 20435541

Trunion Pedestal Assembly: 20425721

Seat Pedestal Rail Left Side 65": 20422211

INSPECT AND REPAIR AS REQUIRED:

A. CAB / CARBODY/DOORS/HINGES/WINDOWS/LATCH SEALS/WEATHER STRIPPING AND SEALS/MIRRORS. ALSO LUBRICATE AS NEEDED

See Note

D. Black

A. CLEAN THE CAB, WINDOWS, AND EQUIPMENT

J. Hartin
D. Black

COMPLETE WINTERIZATION SHEET (AUGUST - APRIL)

WASH LOCOMOTIVE ENGINE/ENGINE ROOM/AND AIR COMPRESSOR ROOM

WASH THE LOCOMOTIVE

Both door stops Bad Eng. Cont. side repaired J. Hartin
J. Black

Description of Work Performed

Locomotive ID

A592

Time Started

10-12-10

Time Finished

10-20-10

MR. check valve bad leaking By. repaired D. Black
L-rear sander bend, straighten D. Black, J. Black
Eng. side, conductor side Door stops bad, repaired
J. Hartin, J. Black

L-1 great case bottom cap bad, repaired D. Black
Bad brake shoe, replace D. Black
Left sander nozzle bad replace, D. Black
Fl. and rear jumper cable hanger put on
D. Black.

Change all filter J. Black
clean and replace all wick boxes and remove
drain plugs D. Black, changed to quick gaskets
Bell bad, replace with castage, D. Black
water treatment add D. Black.

L-1, L-2, R-1-R2, R-4 to be trinned
Sand added D. Black full

Description of Work Performed

Locomotive ID

Time Started

Time Finished

Employee Signature _____ Form to fill out completely and Signature must be legible.

