


# Maintenance Procedure

## No. MP700

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<b>TASK DESCRIPTION</b>
CLEAN TRUCK ASSEMBLY, FUEL TANKS AND UNDER FRAME
<b>BUILDER'S OR VENDOR'S MAINTENANCE INSTRUCTIONS</b>
MPI LOCOMOTIVE MAINTENANCE MANUAL, SECTION 7
<b>SPECIAL TOOLS REQUIRED:</b>
<b>RELATED MAINTENANCE PROCEDURES MODIFICATIONS, POINTERS, ETC.</b>
<b>SAFETY PRECAUTIONS:</b>
CONTRACTOR TO ASSUME RESPONSIBILITY FOR SAFETY RULES AND COMPLIANCE.
<b>PREPARATION:</b>
1) SECURE LOCOMOTIVE FROM MOVEMENT.
2) MAIN ENGINE MUST BE RUNNING IN 4 TH NOTCH IN ORDER TO FEED PRESSURIZED AIR TO THE TRACTION MOTORS.
3) CLOSE ALL LOCOMOTIVE DOORS AND WINDOWS.

### PROCEDURE

	<b>CAUTION</b> When cleaning trucks under the locomotive, the engine must be running to supply air under pressure to the traction motors. Air discharged from the motors will prevent overspray from entering the traction motors. Care must be exercised to direct spray away from any motor openings.
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Note: The detergent used must be as specified by the locomotive manufacturer and the user always be acquainted with the instructions contained in the safety data sheets

Two methods of truck cleaning can be used: mix of steam and alkaline solution or high pressure machine.

Mix of steam and alkaline solution

1. Using a mixing valve to control steam and an alkaline solution cleaner, spray the truck components (i.g. bolster, elliptic springs, spring plant, truck frame, brake levers, traction motors, gear cases, top of truck, wiring and under frame of the locomotive).

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Note: Do not direct spray into the traction motor openings, wheel bearings or around the wheel area and where the air duct boot contacts the traction motor.

2. Let the cleaning solution remain in the truck for 10 to 15 minutes prior to rinsing.
3. Rinse all components with water.
4. Redo steps 1 and 2 until truck and components are free of oil, grease, sand, and dust and road dirt.
5. Rinse all components with water.

### Fuel Tank Cleaning

**Note:** *Fuel tank cleaning can be done with a high-pressure machine or a mixing valve steam and alkaline solution.*

- 1 Ensure that the fuel tank filler caps on both sides are properly applied.
- 2 Clean the top, the ends, the underneath and the sides of the fuel tank.
- 3 Follow the same procedure as truck washing with repetitive action until cleaning is satisfactory.
- 4 Attention to the area around pollution tank drain and the bottom ends of the fuel tank is required.
- 5 Avoid directing high pressure directly at fuel tank gauge glass.

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