


# Maintenance Procedure

## No. MP895

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<b>TASK DESCRIPTION</b> INSPECT HEP DUST BIN BLOWER
<b>BUILDER'S OR VENDOR'S MAINTENANCE INSTRUCTIONS</b> MPI LOCOMOTIVE MAINTENANCE MANUAL, SECTION 8
<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>

### PROCEDURE

	<b>WARNING</b> Do not touch electrical connections before ensuring that power has been disconnected. The HEP FILTER BLOWER circuit breaker is located in the HEP inverter cabinet #4.
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1. Check for loose blower assembly mounting bolts and tighten any loose bolts.
2. Check the flexible intake hose to ensure there are no loose clamps or air leakage. Tighten loose clamps. HEP dust bin blower #2 has no intake hose.
3. Check that the motor is clean and free of dirt, oil, grease, water, etc. Oily vapor, paper pulp, textile lint, etc., can accumulate and block motor ventilation. If the motor is not properly ventilated, overheating can occur and cause early motor failure.
4. Check that the integrity of the winding insulation has been maintained. Record the megger readings. Immediately investigate any significant drop in insulation resistance.
5. Check all electrical connectors to be sure that they are tight.
6. Observe rotation of fan blades and ensure blades turn freely. If there is noise or vibration, inspect fan blades for damage and look for grease indicating damaged bearings. Replace faulty bearings.

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