

Maintenance Procedure
No. MP385

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TASK DESCRIPTION
INSPECT MAIN ENGINE COOLING FAN ASSEMBLY
BUILDER'S OR VENDOR'S MAINTENANCE INSTRUCTIONS
MPI LOCOMOTIVE MAINTENANCE MANUAL, SECTION 3
SPECIAL TOOLS REQUIRED:
RELATED MAINTENANCE PROCEDURES MODIFICATIONS, POINTERS, ETC.
SAFETY PRECAUTIONS:
CONTRACTOR TO ASSUME RESPONSIBILITY FOR SAFETY RULES AND COMPLIANCE.
PREPARATION:

PROCEDURE

1. Stop main engine.
2. Visually inspect the cooling fan assembly mounting bolts to ensure they are securely fastened.
3. Check the cooling fan blades for damage such as cracks and dents. If a blade is damaged, the cooling fan must be replaced with a qualified fan assembly. Refer to MPI Locomotive Maintenance Manual for cooling fan removal and installation instructions.
4. Verify there are no restrictions to the fan rotation or air flow. Clean the fan screen of debris.
5. Start engine.
6. Verify the cooling fan operation using the Cooling Fan Test on the EM2000 display panel. Refer to MPI Locomotive Maintenance Manual, EM2000 Cooling Fans Test. Verify rotational direction.
7. During continuous operation, check fan vibration. Note and investigate any unusual noises that indicate possible trouble.

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