

Maintenance Procedure  
**No. MP810**

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<b>TASK DESCRIPTION</b> INSPECT MAIN ALTERNATOR BEARING
<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**

**Note:** A sealed grease lubricated, self-aligning bearing is assembled into an insulated housing. No additional lubrication is required. Occasional checks of bearing temperature during operation will give an indication of bearing condition..

1. With the alternator in operation, apply a pyrometer to the outside surface of the bearing cover. Bearing temperature should not exceed a 45°F rise. High bearing temperature may be caused by:
  - Contamination of grease.
  - Excessive thrust due to misalignment.
  - Pounding caused by worn rollers of bearing being loose on shaft.
  - Actual bearing failure caused by bearing fatigue or wear.
2. Refer to EMD M.I. 3317-1 for bearing maintenance.

DATE OF FIRST ISSUE	September 2007	AUTHORIZED BY:
REVISION        1	August 2009	TITLE: <div style="text-align: right; font-size: small;">Manager, Rail Equipment</div>