


Maintenance Procedure
No. MP945

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TASK DESCRIPTION INSPECT BATTERY CHARGER
BUILDER'S OR VENDOR'S MAINTENANCE INSTRUCTIONS MPI LOCOMOTIVE MAINTENANCE MANUAL, SECTION 9
SPECIAL TOOLS REQUIRED:
RELATED MAINTENANCE PROCEDURES MODIFICATIONS, POINTERS, ETC.
SAFETY PRECAUTIONS: CONTRACTOR TO ASSUME RESPONSIBILITY FOR SAFETY RULES AND COMPLIANCE.
PREPARATION:

PROCEDURE

	<p style="text-align: center;">WARNING</p> <p>Disconnect all power prior to performing any system maintenance. Failure to observe this warning can result in serious injury.</p>
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Note: The battery charger is designed to maintain a DC voltage. It is not designed for restoring batteries that are completely drained, damaged, or corrupted. Drawing more than 50 Amps for an extended length of time will cause the circuit breaker to trip.

1. Check and tighten all electrical connections.
2. Check and tighten all mounting bolts.
3. Wipe exterior surfaces with a clean dry cloth. The interior cooling passages can be blown clean with dry air. Never attempt to use liquid cleaners inside the unit.
4. Check operation of the battery charger, as follows:
 - a. Energize the battery charger by turning the breaker switches to the ON positions.

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- b. The green light on the breaker box lid illuminates when the secondary power breaker is on (active).
- c. Observe the three red indicator lights on the charger:
 - 1) The ammeter will show the charging amperage.
 - 2) The POWER light illuminates any time power is applied to the charger.
 - 3) The CHARGE light indicates the charger is charging the battery at 5 amps or more. When the CHARGE light is illuminated, the FULL light is off.
 - 4) The FULL light indicates the battery is fully charged. As the battery approaches its full charge, both lights may be on. When the battery is fully charged, the CHARGE light will turn off.

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