

# Maintenance Procedure

## No. P833

Page 1 of 1

<b>TASK DESCRIPTION</b>  INSPECT AND CLEAN ALL RELAYS, CONTACTORS, RESISTORS, RECTIFIERS, SWITCHES AND BREAKERS IN MAIN AND START STATION ELECTRICAL CABINETS. CHECK WIRING AT INDICATING LIGHTS: REPAIR AS REQUIRED.
<b>BUILDER'S OR VENDOR'S MAINTENANCE INSTRUCTIONS</b>
<b>SPECIAL TOOLS REQUIRED:</b>  Portable electrical lighting. Vacuum cleaner.
<b>RELATED MAINTENANCE PROCEDURES MODIFICATIONS, POINTERS, ETC.</b>  P301, P816, P817, P822, P908
<b>SAFETY PRECAUTIONS:</b>  CONTRACTOR TO ASSUME RESPONSIBILITY FOR SAFETY RULES AND COMPLIANCE.
<b>PREPARATION:</b>  1) Secure locomotive from movement. 2) Shut down main engine and apply safety tag.

### PROCEDURE

- 1 Inspect the following for damaged or overheated wiring, tight connections (fast on lugs): breakers, switches, coils and low volt contactors, resistors, rectifiers, relays and indicating lights.
- 2 Repair as required. Ensure root cause of defect is identified and corrected.
- 3 Vacuum any dust or debris which may be present (vacuum to be supplied with a non metallic nozzle).
- 4 Ensure all components are securely mounted and all mounting screws, bolts, clips etc. are in place.
- 5 Ensure all CPU module support screws are tight.
- 6 Ensure VR15 module is secured in place.
- 7 Visually inspect LV contactors and relay tips for excessive arcing. Remove contactor covers where required in order to perform this operation.
- 8 Change out components where tips or contacts are damaged to the extent of becoming a potential failure.
- 9 Replace all covers and fasteners where removed. Inform supervisor of any discrepancies.

DATE OF FIRST ISSUE	May 1997	AUTHORIZED BY:
REVISION 0		TITLE: Manager, Rail Equipment