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Serial # 15
Vasling

FIRST CLASS MAIL

File Ahead of Table of Contents In Installation Engineering Handbook 18

Temporary Memorandum
Western Electric Company, Incorporated
Columbus Works

T.M. 8.72

12-16-68

NO. 5 CROSSBAR SYSTEM
ED-26981-10 AND 11 AND ED-27511-10 FUSE PANELS
EXPOSED BATTERY STUD AND ALARM TERMINAL

1. GENERAL

1.1 A recently introduced plastic battery stud insulator P-474011 tends to tilt when installed on No. 5 Crossbar System Fuse Panels ED-26981-10 and 11 and ED-27511-10 due to the rigidity of the insulator and the approach angle of the battery feeder. When the stud insulator is tilted, the battery stud and alarm terminal may be exposed on panels equipped with buffer fuses, creating a potential service hazard.

1.11 The above condition does not occur when fuse panels are mounted in pairs with a connecting bus bar. In such cases the bus bar acts to keep the stud insulators in a vertical position.

1.2 Corrective Action and Time Period for Making Repair.

1.21 Any No. 5 Crossbar Frames (except those with fuse panels meeting the condition noted in Paragraph 1.11) still in the hands of the installer, which were shipped between October 7, 1968 and November 18, 1968, shall be checked and all fuse panels equipped with buffer fuses and P-474011 battery stud insulators shall have an insulating sleeve placed over the battery stud and alarm terminal if not previously sleeved by the shop.

1.22 The P-474011 insulator can be identified by its hard plastic finish and large open end.

2. INSTALLING EQUIPMENT

2.1 The tools listed below shall be made available prior to performing the operations covered by this T.M.

2.11 Tools

R-1542 - Wrench, Adjustable
417A - Wrench, O.E. (or equivalent)
R-2120 - Pliers, Long Nose
R-1102 - Spudger

3. ADDITIONAL MATERIAL

3.1 The material listed below shall be made available prior to working on the operations covered by this T.M.

<u>MATERIAL</u>	<u>CODE</u>	<u>QUANTITY</u>
Transflex Tubing	RM-639321	Note 1
Battery Stud Insulator	P-474011	Note 2

NOTE 1 A 3/4" piece of tubing is required per fuse panel. Since the tubing is furnished in pieces 3 feet long, order 1 piece for repairing up to 40 panels and additional pieces as required.

NOTE 2 Insulators may break in some instances during removal from battery studs. To take care of breakage, order three replacements for each 10 fuse panels to be repaired.

3.11 List the following "Note" on the "Installers Requisition" when ordering material.

NOTE: In accordance with T.M. 8.72.

4. ACTION TO BE TAKEN

4.1 No. 5 Crossbar Frame Fuse panels ED-26981-10 and 11 and ED-27511-10 shall be modified as follows:

- a) If frame has been connected to power supply, temporarily disconnect at frame "gutter tap".
- b) Remove the P-474011 insulator and battery feeder from fuse panel battery stud. The insulators have one or two locking latches and must be pried open using pliers or a spudger.
- c) Cut a 3/4" length of RM-639321 tubing and place on the battery stud, making certain the tubing covers the alarm terminal. Use caution to avoid breaking the alarm terminal lead.
- d) Replace battery feeder and tighten nuts as specified in Handbook 18, Section 7E.

- e) Replace stud insulator making certain latches are locked.
- f) Reconnect frame to power supply if disconnected.

5. DISPOSITION OF EXPENSE

5.1 If the amount of work involved in performing the above operations is sufficient to meet the requirements of CI 47.242-23 it shall be reported on SD-1007, JIM for issuance of a Type X supplementary estimate in the X-40 category.

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