

**PERFORMANCE REQUIREMENTS**  
**D2 CHANNEL BANK**  
**GENERAL EQUIPMENT REQUIREMENTS**  
**COMMON SYSTEMS**

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**1. GENERAL**

**1.01** This section covers the requirements which the J98714A, J98714B, J98714C, J98714D, and J98714E channel bank bays shall meet before turnover to the telephone company.

**1.02** No requirements are given for tests on any plug-in units which are eventually to become associated with the bay.

**1.03** Reference shall be made to Section 800-630-180 covering general requirements for additional information necessary for the proper application of requirements.

**1.04** The bay equipment includes coils, diodes, relays, and transistors. Precautions specified in Section 800-630-180 should be observed to avoid possible injury to these components.

**1.05 Test Equipment:** These requirements are based on the use of the KS-14510, List 1 or List 5 volt-ohm-milliammeter or equivalent.

**2. REQUIREMENTS**

**2.01** Continuity tests shall be made on all wiring run by the installer between the D2 channel bank and the central office equipment.

**2.02** These tests should be made to ensure that all installed wiring is in accordance with the systems drawings. During installation, when pairs, quads, or other groupings are indicated, the grouping should be verified.

**2.03 Fusing:** A test shall be made to verify all fusing, including a test of its associated battery and ground wiring for freedom from opens and crosses. Verification shall ensure the proper location, designation, capacity, and type of each fuse.

**2.04 Grounds:** Check proper grounding of bay against system drawing.

**2.05 Test of Shielded Connections:** The shields on shielded wiring shall be checked to ensure that the circuits are properly connected and wired in accordance with wiring diagrams or circuit schematics and the requirements specified in Section 800-612-164. Where the connection is at more than one point on the apparatus or shielded wire, each point shall be verified by visual inspection.

**2.06 Bay Alarm, Fuse, and Filter Circuits:**

(a) After fuses at the central office battery distribution fuse board are inserted, check that -48 volts appears between the -48 volt bus and the ground bus on the fuse panel, J98714K.

(b) Check the 20-Hz ringing signal at the fuse posts. The ringing signal should read -48 volts on the dc scale and 86 volts RMS on the ac scale of the volt-ohm-milliammeter.

(c) Momentarily remove the alarm inhibiting circuit board (DM 53) from the position of the alarm circuit pack (DM 45). (This circuit

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pack was inserted by the installer to disable AV alarm until circuit packs are installed.) Check that the proper audible and visual alarms are activated.

**3. TEST REPORTS AND RECORDS**

**3.01** The required record of these tests shall be entered on the proper form.