

DIMENSION® 2000 AND CUSTOM PBX  
MICRODIAGNOSTIC 2

CONTENTS

- |    |                          |    |                |
|----|--------------------------|----|----------------|
| 1. | GENERAL INFORMATION      | 3. | TEST EQUIPMENT |
| 2. | RECORDS AND REQUIREMENTS | 4. | PROCEDURE      |
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1. GENERAL INFORMATION

1.1 Description

- 1.11 This section describes the procedures to be followed to perform Microdiagnostic 2. The Microdiagnostics are a series of tests of the processor that are initiated from the Alarm Panel. The machine instructions for the performance of these tests are provided in the processor on Read Only Memories (ROM). The circuits tested by this section are shown in SD-1E480-01.

1.2 Sequence of Operations

- 1.21 This test should be run after the Application of Power Section and before any Call Processing Sections. All Microdiagnostic Tests should be run in order (Tests 0 through 9, covered in Sections 310 through 319) since each Microdiagnostic uses some of the circuits tested by the previous test while testing additional circuits.

2. RECORDS AND REQUIREMENTS

2.1 Records

- 2.11 Form SD-97-1313 is required for recording the results of this test.

2.2 Requirements

- 2.21 The tests in this section are based on the performance requirements for SD-1E480-01.

3. TEST EQUIPMENT

- 3.1 There are no test sets, cords, or accessories needed for this section.

PRIVATE

THE INFORMATION CONTAINED HEREIN SHOULD NOT BE DISCLOSED TO UNAUTHORIZED PERSONS. IT IS MEANT SOLELY FOR USE BY AUTHORIZED BELL SYSTEM EMPLOYEES.

#### 4. PROCEDURE

##### 4.1 Test Description

4.11 This test tests the CPE 3002's (Central Processing Elements DIP Code 3002). This test and all other Microdiagnostics, except MD 9, run continuously repeated cycles until some other operation is initiated.

4.12 A diagram of the Alarm Panel is shown in Section 310.

4.13 If it is necessary to replace a circuit pack while performing this test section, follow the procedure given in Paragraph 4.34 of Section 310.

4.14 If a pack is replaced, repeat all previously run Microdiagnostic Tests.

##### 4.2 Test Procedure

4.21 Set the Alarm Panel TEST SELECT Thumbwheel Switch to Position 2.

4.22 Momentarily operate the ENABLE switch.

4.23 If this system has dual processors, perform this test section on both processors.

##### 4.3 Test Results Indications

4.31 The following indicators should light steadily: MJ, PROC, and PASS.

4.32 If this test passes, proceed to Section 313. If this test fails, proceed to Paragraph 4.33.

4.33 Test failure will cause the following indicators to light steadily; MJ and PROC. The FAIL indicator will light steadily or blink.

4.34 If this test fails, replace one at a time, each of the circuit packs on the following list, in the order listed, returning each pack that does not change the symptoms:

LC143 (or LC455)  
LC142  
LC132  
LC133

4.35 End of Section.

Reason for Issue:  
Update

Manager, Denver PBX PECC