

## 51A1 DATA UNIT IDENTIFICATION

### 1. GENERAL

**1.01** This section provides an identification and a general description of the 51A1 data unit. The 51A1 data unit, shown in Fig. 1, is intended for use with the 47A1 data unit in testing the 407C multiple data station.

**1.02** When this section is reissued, the reason for reissue will be presented in this paragraph.

**1.03** The 51A1 data unit is supplied with the 57A1 data mounting. It is used with the 47A1 data unit in performing local and remote tests of all the data set (DS) 407Cs mounted in a

KS-20018-L20 cabinet. The local test may be performed by the customer or by a telephone company (telco) employee, as required.

### 2. PHYSICAL DESCRIPTION

**2.01** The 51A1 data unit is 5.2 inches wide, 5 inches high, 2.8 inches deep, and weighs about 2.5 pounds. The data unit contains a LOCAL TEST-REMOTE TEST switch, test indication light-emitting diodes (LEDs), and a LAMP TEST switch. The data unit has a test cable attached, which is equipped with a 25-pin test connector. For performing a test, the test connector is plugged into one of two customer interface connectors on

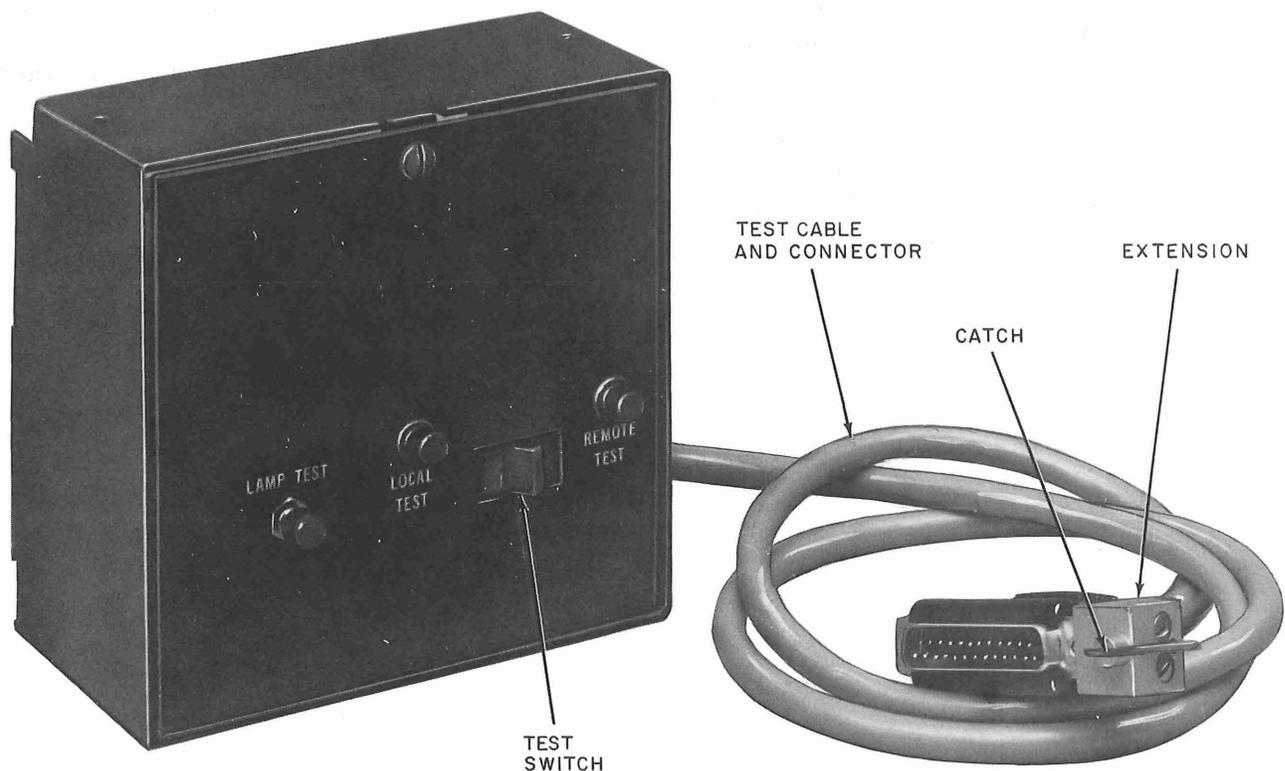


Fig. 1—51A1 Data Unit

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the front of DS 407C, to provide a test of one channel at a time. The channel not under test remains active while the other channel is being tested. An extension for actuating a test switch on DS 407C is provided on the test connector.

**3. FUNCTIONAL DESCRIPTION**

**3.01** The 51A1 data unit provides local, remote, and lamp testing for the 407C multiple data station. In the remote test mode, the LOCAL TEST-REMOTE TEST switch is operated to REMOTE TEST position. The remote test is then performed by a data test center. The remote test verifies that DS 407C can receive TOUCH-TONE signals, that most of the internal circuitry is functioning properly, and indicates the state of all of the options in the set. In the local test mode, the LOCAL TEST-REMOTE TEST switch is operated to LOCAL TEST. The test is then performed in conjunction with the 47A1 data unit by the customer or a telco employee. The tests verify that DS 407C can detect TOUCH-TONE® signals, and that most of the internal circuitry is functioning properly.

**3.02** When the LAMP TEST switch is depressed, all the lamps on the DS 407C under test and on the 47A1 data unit should illuminate. This test verifies that all LEDs are satisfactory.

**4. REFERENCES**

**4.01** The following documents contain additional information relating to the 51A1 data unit.

NUMBER	TITLE
SD-&CD-1D279-01	407C Multiple Data Station
SECTION	TITLE
590-100-133	47A1 Data Unit—Identification
590-102-143	57-Type Data Mounting—Description
594-030-101	Data Set 407C—Identification
594-800-102	407C Multiple Data Station—Description
594-800-202	407C Multiple Date Station—Installation and Connections
594-800-302	407C Multiple Data Station—Maintenance
594-800-502	407C Multiple Data Station—Test Procedures