DATA AUXILIARY SET 806E-TYPE AND 210A POWER UNIT IDENTIFICATION

1. GENERAL

1.01 This section describes in general terms the physical dimensions, weight, major components, and use of data auxiliary set (DAS) 806E-type and the 210A power unit.

1.02 This section is reissued to add information on DAS 806E3.

1.03 DAS 806E-type and the 210A power unit are used in the 1A Transaction telephone test line station (1A TTTLS) which provides an automatic facility to remotely verify the operation of Transaction telephone sets. The 1A TTTLS tests only those Transaction telephone sets that are used on the switched network.

1.04 ▶The three versions of DAS 806E-type provide test facilities for the following Transaction telephone sets:

- 806E1—Transaction I
- 806E2—Transaction I or Transaction II
- 806E3—Transaction I, Transaction II, or Transaction II equipped with a printer.

1.05 DAS 806E1 can be converted to DAS 806E3 by using kit D-180801. DAS 806E2 can be converted to DAS 806E3 by using kit D-180802.◀

1.06 The 1A TTTLS can be equipped with either one or two test lines. Each test line consists of a data set 407A-type and a DAS 806E-type.

1.07 Power for the test line(s) is provided by a 101A power unit (equipped with the 41B2 data mounting) and a 210A power unit.

2. DESCRIPTION

A. 210A Power Unit

2.01 The 210A power unit (Fig. 1) is 8 inches high, 12 inches deep, 3 inches wide, and weighs 6 pounds. It mounts in a 41-type data mounting.

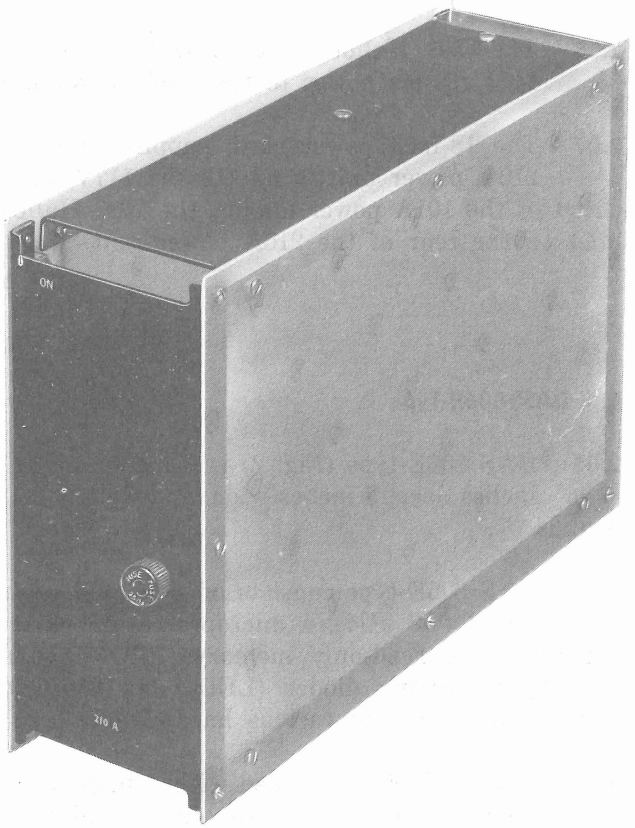

Fig. 1—210A Power Unit

2.02 The 210A power unit consists of a printed wiring board [circuit pack (CP) JU5], two power supplies, discrete circuitry, a 1-amp fuse mounted in a fuse holder accessible from the front, a 7591 Hubbell® inlet, an 18-inch power cord, and associated hardware.

2.03 The CP JU5 is provided with printed wiring board terminals that enable it to plug into the 908J1 connectors at the rear of the 41-type data mounting.

2.04 The two power supplies convert 117-Vac power into -9 and -12 Vdc power for use by DASs 806E-type.

2.05 Input power protection for the 210A power unit is provided by the 1-amp fuse located in the fuse holder mounted on the faceplate of the 210A power unit.

2.06 The 7591 Hubbell inlet provides access for 117V, 60-Hz power to the 210A power unit.

2.07 The 18-inch power cord, supplied with the 210A power unit, connects the 117V, 60-Hz outlet of the 101A power unit to the 7591 Hubbell inlet on the rear of the 210A power unit.

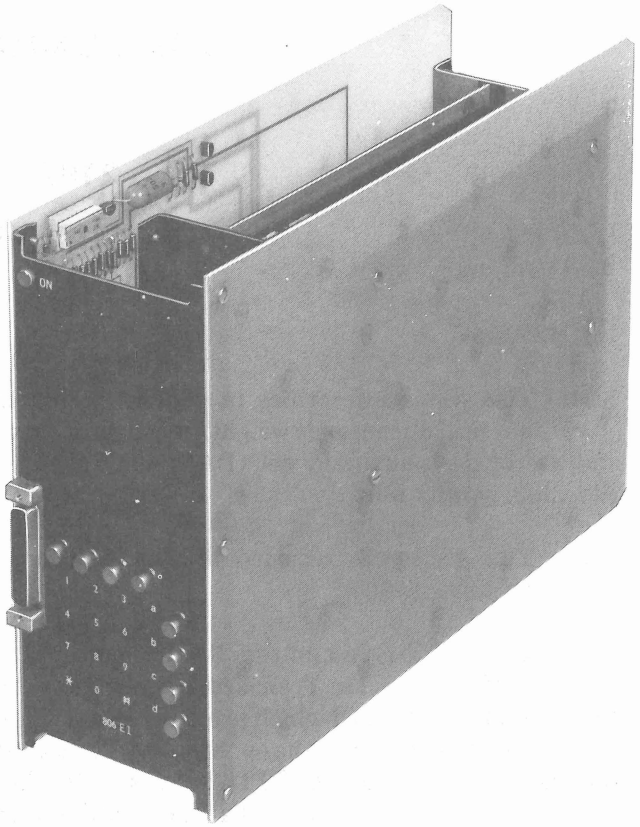

Fig. 2—Data Auxiliary Set 806E-Type

B. DAS 806E-Type

2.08 DAS 806E-type (Fig. 2) is 8 inches high, 12 inches deep, 3 inches wide, and weighs 2-1/2 pounds.

2.09 DAS 806E-type consists of a printed wiring board (CP JU4), a microprocessor board, a programmable read-only memory (PROM) board, nine light-emitting diodes (LEDs), an 840308019 25-pin connector, and various hardware.

2.10 The CP JU4 is provided with printed wiring board terminals that enable it to plug into the 908J1 connectors at the rear of the 41-type data mounting.

2.11 The microprocessor board (Rockwell 20102D02) assumes all control of the 407A-type data set. It also compares the 2-out-of-8 TOUCH-TONE® data received by data set 407A-type with the data stored in the PROM board.

2.12 The PROM board (Rockwell 20102D33) is used to store data corresponding to the data that will be received by data set 407A-type.

2.13 Eight of the nine LEDs mounted on the faceplate of the DAS are used to display the characters received by the 407A-type data set. The character received is determined by noting which two LEDs are lighted at the same time. The horizontal row of LEDs is defined as the B group, while the vertical column of LEDs is defined as the A group. For example, if the second LED from the left is lighted (B2) at the same time that the third LED from the top is lighted (A3), the character being received is 8. The ninth LED is labeled POWER and lights when power is applied to the DAS.

2.14 The 840308019 25-pin connector is used to connect the 407A-type data set interface to the DAS.

3. REFERENCES

3.01 Detailed information for the 210A power unit and DAS 806E-type is contained in the following Bell System Practices.

SECTION	TITLE
314-811-100	1A Transaction Telephone—Test Line Station—Description
314-811-180	1A Transaction Telephone—Test Line Station—Summarizing Specification
314-811-200	1A Transaction Telephone—Test Line Station—Installation and Connections
314-811-500	1A Transaction Telephone—Test Line Station—Maintenance and Tests

3.02 The following schematic drawing and circuit description include information on the 210A power unit and DAS 806E-type.

SD- &CD-1D262-01	1A Transaction Telephone Test Line Station Using DAS 806E-Type