

DATA AUXILIARY SET 806D-TYPE

IDENTIFICATION

1. GENERAL

1.01 This section contains a description of Data Auxiliary Set (DAS) 806D1 and information pertinent to its operation. Information concerning equipment associated with the data auxiliary set is not included.

1.02 This section is being reissued because of the following:

- Data Auxiliary Set 806D2 has been rated Manufacture Discontinued.
- Data Auxiliary Set 806B5 has been rerated Addition and Maintenance (A&M).

1.03 The DAS 806D1 (Fig. 1 and 2) is a self-powered line and test circuit designed for use with Data Sets (DS) 303-type. Fig. 3 shows the DAS 806D1 with the rear cover plates removed. The DAS 806D1 includes the features provided by DAS 806B plus additional features for operating conveniences and flexibility.

2. PHYSICAL DESCRIPTION

2.01 The DAS 806D1 consists of a 32A1-type Data Unit plus a 26A power unit. The unit is assembled on mounting hardware that is physically compatible with the mounting arrangements for DAS 806B-type.

2.02 The dimensions of the data auxiliary set are 9.8 inches wide, 6 inches high, and 10 inches deep. The set weighs approximately 16 pounds.

2.03 Power consumption for the DAS 806D1 is approximately 15 watts and will increase to 20 watts when supplying power to an associated voiceband Data Set 404B1.

3. FUNCTIONAL DESCRIPTION

3.01 The DAS 806D1 replaces DASs 806B1, B2, B6, and B7 which are rated Manufacture Discontinued.

3.02 For a detailed description of the operation, options, and features provided by DAS 806D1, refer to the section entitled 32A-Type Data Unit, Description and Operation (590-100-122).

3.03 The features provided in Data Auxiliary Set 806D1 are as follows:

- Monitoring and terminating jack arrangements for test access to the associated 4-wire wideband and either 2- or 4-wire voiceband facilities.
- Means for looping the data station transmit line circuits to the receive line circuits to permit a check of performance through the data station from the business machine on a local test loop-back basis.
- A remote test capability which enables a test center to loop back both the wideband and voiceband facilities at the data station line interface in order that transmission tests may be made from the test center and to effect a loopback of the wideband and voiceband data sets on the data set side of the customer interface so that overall transmission tests may be made from the test center.
- Means for bypassing the wideband line-looping configuration when this looping feature is provided in auxiliary equipment.
- Means for connecting the several apparatus units of a wideband data station as required.
- Provision for a simultaneous wideband data/talk mode of operation as standard option.
- Provision for disabling the simultaneous wideband data/talk feature as a function of the alternate-use (ALT) signal in data stations using Data Set 303-type which are to be used both synchronously and nonsynchronously

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(with voiceband data) on an alternate-use basis.

- Provision for A lead control to indicate when associated DAS 804-type is off-hook in the talk mode or holding in the data mode.
- Provision, on an optional basis, for bypassing the looping relay configuration in the wideband line circuit.
- Provision for terminating the data leads from DAS 804-type in the absence of a voiceband data set.
- Provision for direct interconnection from the data auxiliary set to an auxiliary automatic calling unit.
- Control of the voice/data switching of the voice line receive pair is made optional. This control is required for full-period point-to-point service.

4. REFERENCES

- 4.01** The CD and SD for Data Auxiliary Set 806D-type are CD- and SD-1D217.
- 4.02** Bell System Practices covering the various equipment associated with the data auxiliary set are as follows:

SECTION	TITLE
590-100-122	32A-Type Data Unit, Description and Operation

SECTION	TITLE
598-042-100	Data Auxiliary Set 806B-Type, Description and Operation
593-800-100	Wideband Data Station Using Data Set 303, Description and Operation
593-800-101	Wideband Data Station Using Data Set 303-Type, 50-KBPS Government Secure Speech Service, Description and Operation
593-800-110	Wideband Data Station Using Data Set 303-Type, Two-Wire Switched Service, DATA-PHONE® 50 Service), Description and Operation
593-800-111	Wideband Data Station Using Data Set 303-Type, Two-Wire Switched Service, (460.8-KBPS Data Over PICTUREPHONE® Facilities), Description and Operation

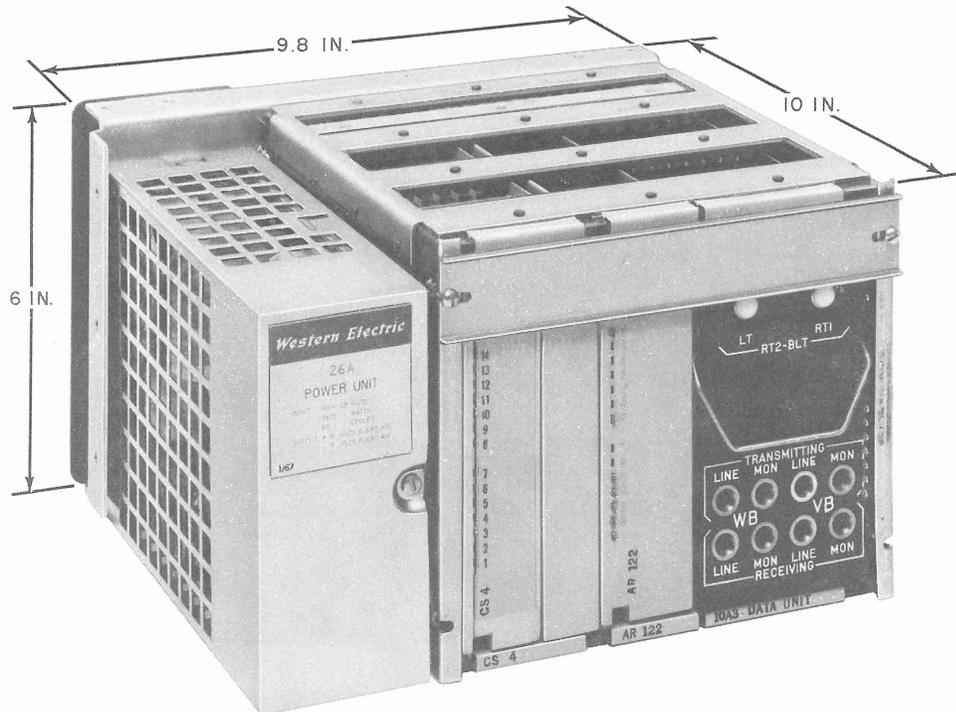


Fig. 1—Data Auxiliary Set 806D1—Front View

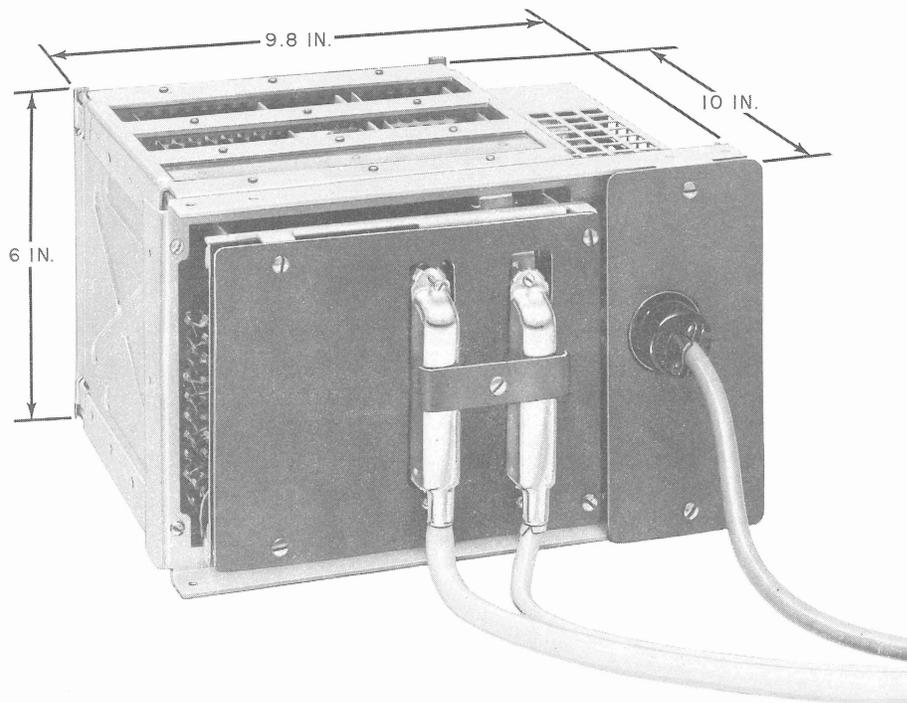


Fig. 2—Data Auxiliary Set 806D1—Rear View

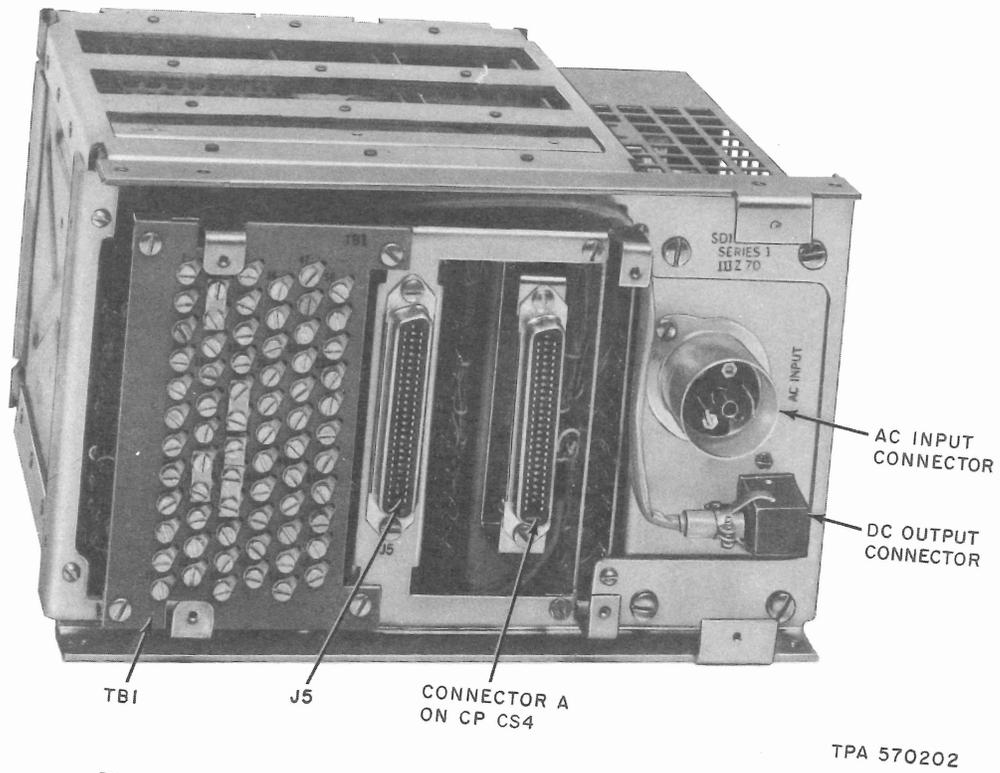


Fig. 3—Data Auxiliary Set 806D1—Rear View, Cover Removed