

45-TYPE DATA UNIT—IDENTIFICATION

1. GENERAL

1.01 This section identifies and provides a general description of the 45-type data unit. The 45-type data unit consists of the 45A1, B1, C1, and D1 data units.

1.02 The 45-type data units are normally supplied with one of the following D-Kits used for field expansion of the basic 8-bit 405-type data set by the local telephone company. These D-Kits contain everything needed to expand an 8-bit 405-type data set to 20 or 32 bits.

- D-180539 Kit—45A1 data unit
- D-180540 Kit—45C1 data unit
- D-180541 Kit—45B1 data unit
- D-180542 Kit—45D1 data unit.

The data units may also be ordered separately for uses as maintenance spares.

2. PHYSICAL DESCRIPTION

2.01 The various 45-type data units are shown in the following figures:

- (a) Fig. 1—45A1 data unit—L2 part of DS 405A-L1/2
- (b) Fig. 2—45C1 data unit—L3 part of DS 405A-L1/3
- (c) Fig. 3—45B1 data unit—L2 part of DS 405B-L1/2
- (d) Fig. 4—45D1 data unit—L3 part of DS 405B-L1/3.

2.02 The 45-type data units are integrated modular hybrid units, utilizing solid state circuit packs and integrated circuits. These units are mounted in a wire frame which is adjustable to mount in either a 23- or 25-inch central office bay. A metal cover fits over the wire frame containing the basic 8-bit 405-type data set and the appropriate 45-type

data unit. The metal cover provides protection for the circuit packs and substrates.

2.03 Table A shows the orderable codes for the 45-type data units.

2.04 Interconnection between P3 of the 45-type data unit and J2 of the basic 8-bit 405-type data set is made via an M15F cord. J4 on the 45-type data unit provides an interface connection for the associated interface circuit.

3. FUNCTIONAL DESCRIPTION

3.01 The 45-type data units are intended for uses as maintenance spares, for the list coded data sets in 2.01. They also are the basic part of the D-specification kits used for expansion of 8-bit 405-type data set to 20 or 32 parallel inputs/outputs as shown in Table A. The 405-type data sets with the associated 45-type data unit provides transmission and reception of bit rates of 700, 880, 1400, or 1760 bits per second.

4. REFERENCES

4.01 Additional information on the 405-type data system may be obtained from the following sources:

- CD- & SD-1D203-01 Data Set 405A-Type
- CD- & SD-1D204-01 Data Set 405B-Type.

SECTION	TITLE
252-140-101	Interface Circuit for Use Between 405-Type Data Sets and Message Registers in Remote Registers Operation (SD-1C451-01), Description
252-140-501	Interface Circuit for Use Between 405-Type Data Sets and Message Registers in Remote Register Operation (SD-1C451-01), Verification Procedure
312-809-100	405-Type Data Systems—Description

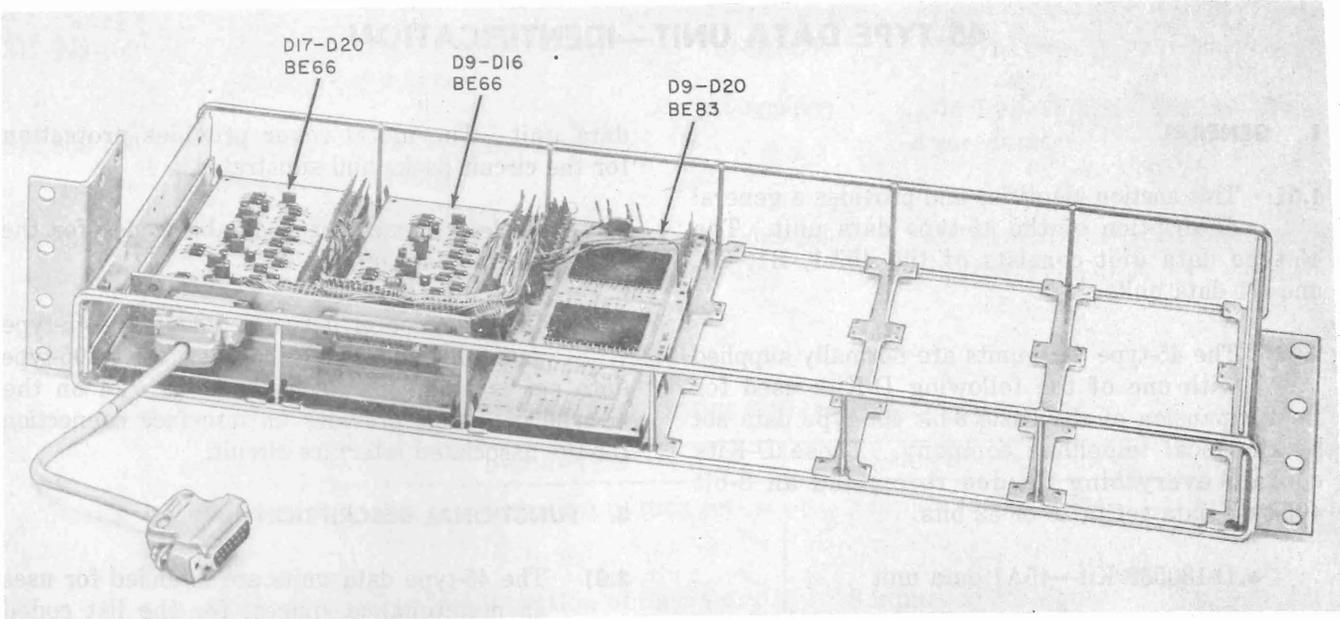


Fig. 1—45A1 Data Unit—L2 Part of DS 405A-L1/2

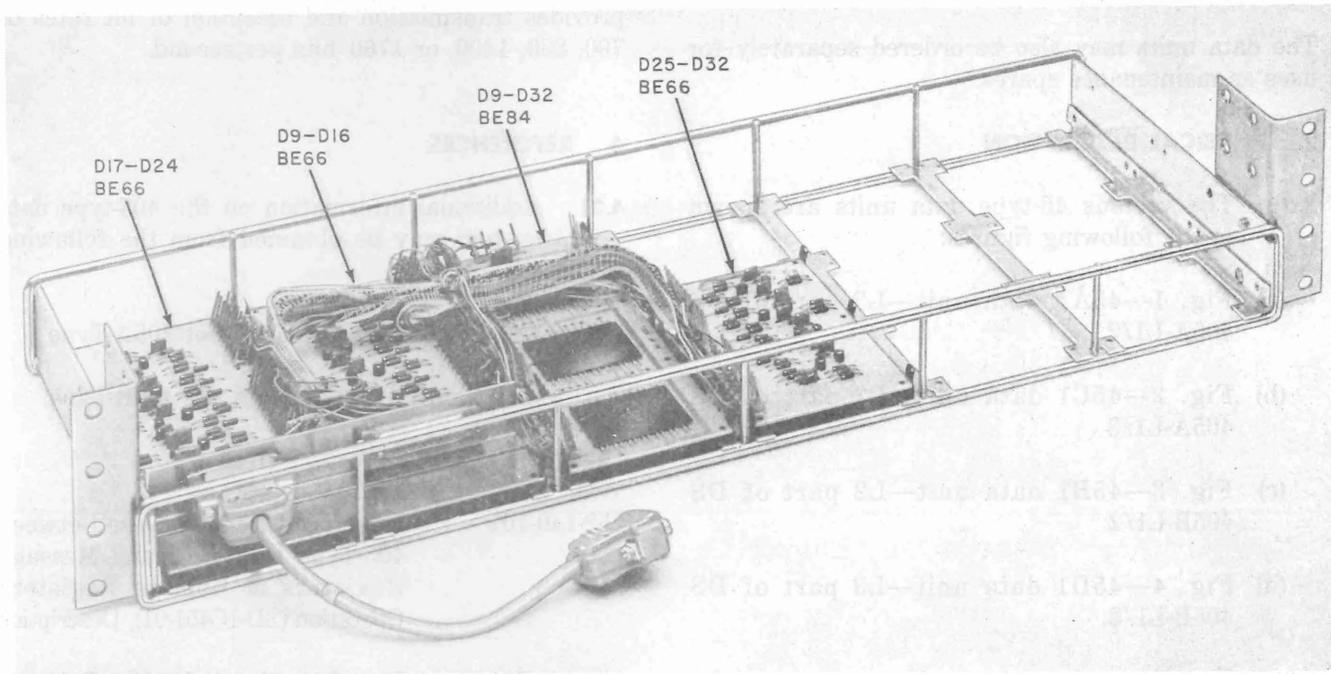


Fig. 2—45C1 Data Unit—L3 Part of DS 405A-L1/3

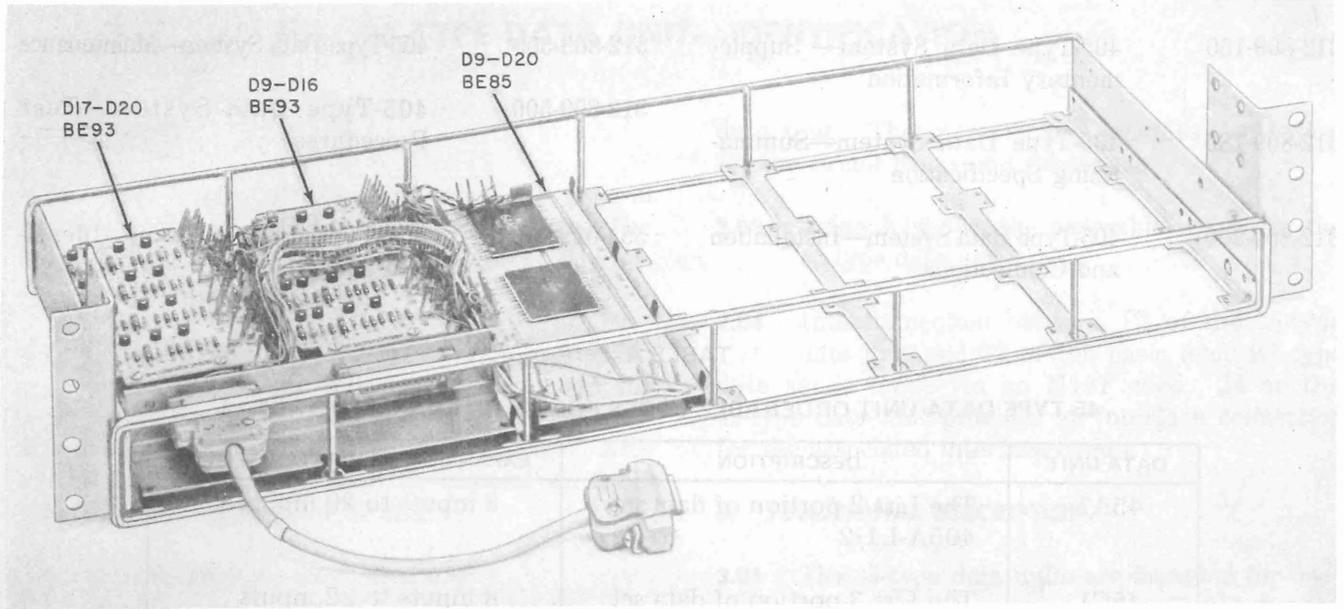


Fig. 3—45B1 Data Unit—L2 Part of DS 405B-L1/2

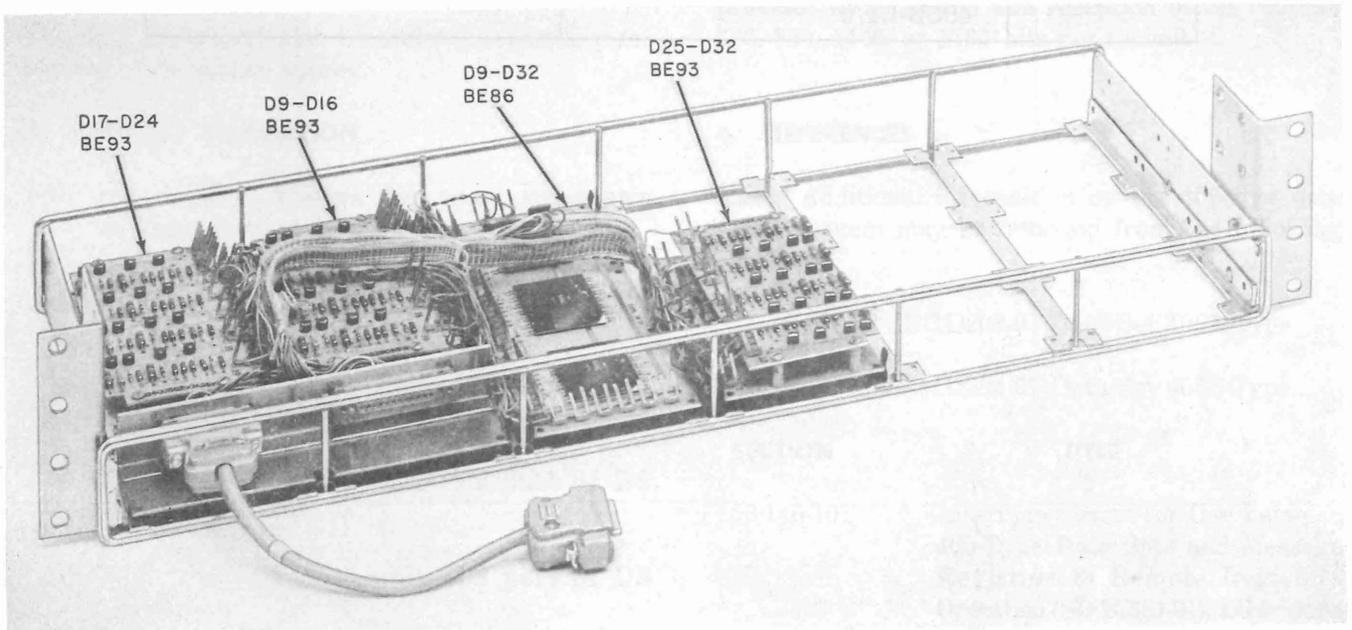


Fig. 4—45D1 Data Unit—L3 Part of DS 405B-L1/3

SECTION 590-100-135

SECTION	TITLE	SECTION	TITLE
312-809-150	405-Type Data System— Supplementary Information	312-809-300	405-Type Data System—Maintenance
312-809-180	405-Type Data System—Summa- rizing Specification	312-809-500	405-Type Data System—Test Procedures
312-809-200	405-Type Data System—Installation and Connections	594-029-100	405-Type Data System—Identi- fication

TABLE A**45-TYPE DATA UNIT ORDERABLE CODES FOR MAINTENANCE SPARES**

DATA UNIT	DESCRIPTION	EXPANSION OF INPUT/OUTPUT
45A1	The List 2 portion of data set 405A-L1/2	8 inputs to 20 inputs
45C1	The List 3 portion of data set 405A-L1/3	8 inputs to 32 inputs
45B1	The List 2 portion of data set 405B-L1/2	8 outputs to 20 outputs
45D1	The List 3 portion of data set 405B-L1/3	8 outputs to 32 outputs