

40-TYPE DATA MOUNTING IDENTIFICATION

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1. GENERAL

1.01 This section contains information pertaining to the 40A1, 40A2, 40A3, and 40B1 data mountings.

1.02 This section is reissued to add information on the 40A3 data mounting.

1.03 The 40-type data mounting is used for multiple installation of data sets and automatic calling units. The 40A1, 40A2, and 40A3 data mountings are for data sets and automatic calling units used on the switched telephone network. The 40B1 data mounting is for data sets used on 4-wire private lines.

2. DESCRIPTION

2.01 The 40-type data mounting consists of a metal framework, backplane assembly, and a power unit. The mounting measures about 7 inches high, 13-1/2 inches deep, and 23 inches wide (including mounting brackets). The weight is about 21 pounds without data sets. The mounting fits in 23-inch framework, or can fit in 19-inch framework by rotating the right-hand mounting bracket.

2.02 A 4-foot-long 840339907 power cord with a 3-conductor male plug on one end and a 3-conductor Hubbell right angle twist-lock female connector on the other end is provided with the 40-type data mountings.

A. 40A1 Data Mounting (MD)

2.03 The 40A1 data mounting (Fig. 1) accommodates up to eight data sets (DSs) 103J-L1, 113C-L1, 113D-L1, 202S-L1, 202S-L1A, and/or data auxiliary set 801C-L1 (automatic calling unit). Every second slot is wired with low voltage alternating current, customer and telephone line connections, and a make-busy switch and remote test relay required for use behind line hunting equipment.

2.04 The power unit for the data mounting requires a 105- to 129-Vac power source and is fused by a single 70A fuse. The power unit provides 24-Vac power to the data sets. Each side of the center-tapped 24-Vac line is fused separately (with a 70G fuse) and is labeled A for one side and B for the other. For example, the data set in position 1 would be fused by No. 1 fuse in block A and block B.

B. 40A2 Data Mounting

2.05 The 40A2 data mounting (Fig. 2) replaces the 40A1 data mounting to accommodate DS 212A in addition to the other data sets and data auxiliary set listed in paragraph 2.03. It is the same as the 40A1 except for the following:

- Interface leads required for DS 212A-L1 are added.
- The service line exclusion circuit is improved.
- 24-Vac fuses are 70H instead of 70G.
- Option switches are used instead of plugs and jacks on 40A1 data mounting.

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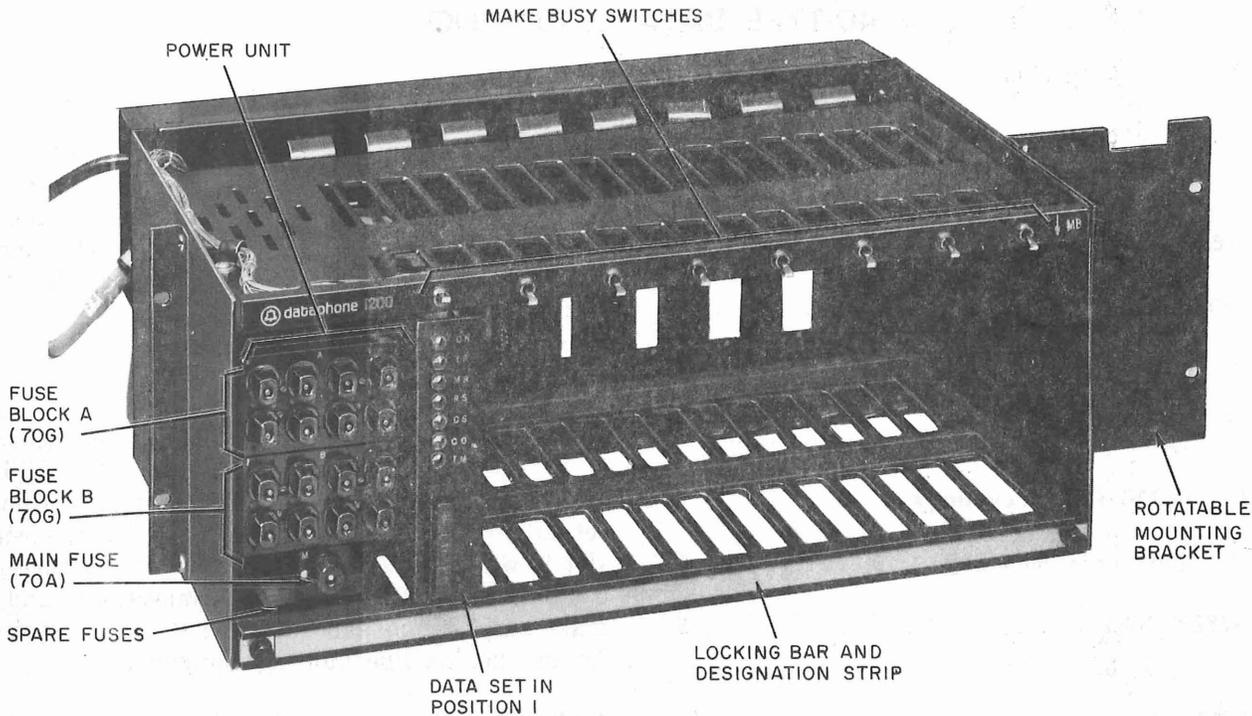


Fig. 1—40A1 Data Mounting (Shown for 23-Inch Mounting)

C. 40A3 Data Mounting

2.06 The 40A3 data mounting (Fig. 3) replaces the 40A2 data mounting to accommodate International Standardization Organization interface which is now available in DS 212A-L1A in addition to the other data sets and data auxiliary set listed in paragraph 2.03. The 40A3 data mounting is similar to the 40A2 except for the following:

- The reduced depth (11.5 inches) permits the 40A3 to be mounted back to back in a KS-20018-L15 cabinet, permitting 14 mountings rather than 9 to be accommodated.
- The reduced depth also permits the new mounting to be used in central office frames without special arrangements.
- Transfer to the service line is independent of the operation of the DL or RT key of the data sets, permitting digital-loop or remote test on the normal line, and data transmission or self test on the service line.

- In addition to the eight “make busy” switches, the new mounting has eight “transfer to service line” switches.
- No options (except grounding option) are provided on the new mounting. Make-busy and service line features are selected by appropriately connecting the telephone lines on the associated connecting blocks.

D. 40B1 Data Mounting

2.07 The 40B1 data mounting (Fig. 4) is primarily for use with DS 202T. Every slot in the mounting is wired, making it possible to install up to 16 single-width data sets (without reverse channel) or eight double-width data sets (with reverse channel).

2.08 The power unit in the data mounting requires a 105- to 129-Vac power source and is fused by a single 70A fuse. There are 16 fuses (70G) between the power unit and the data set positions with two data sets sharing each fuse.

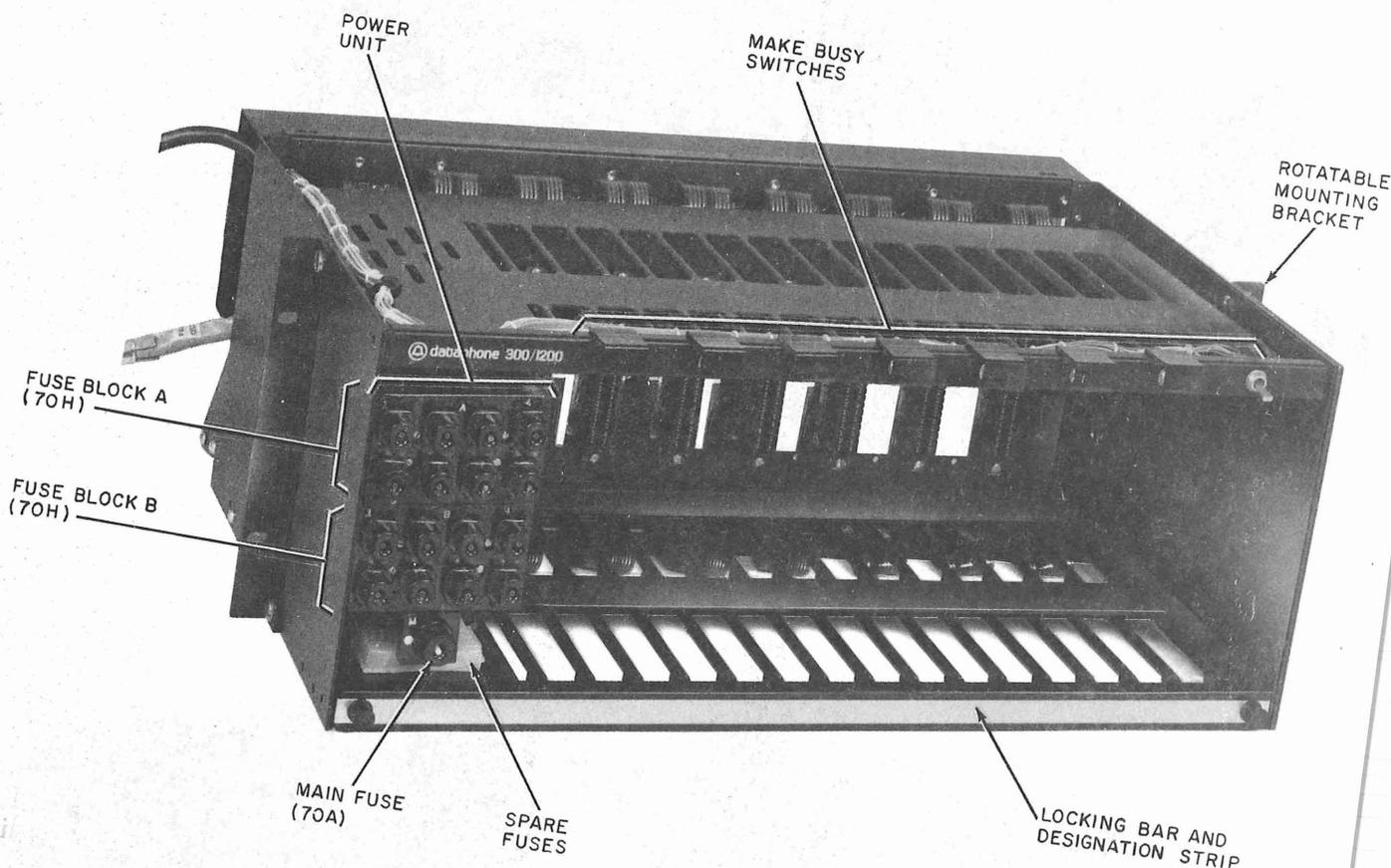


Fig. 2—40A2 Data Mounting (Shown for 19-Inch Mounting)

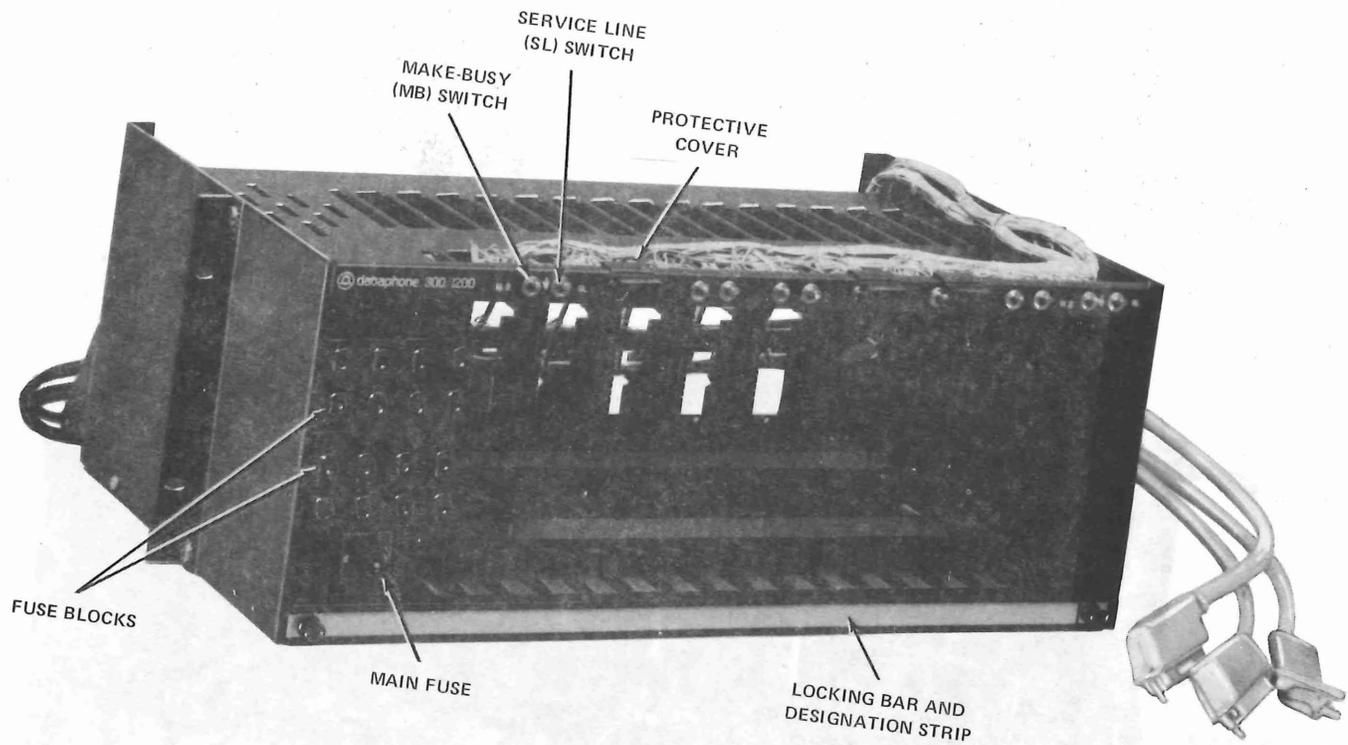


Fig. 3—40A3 Data Mounting

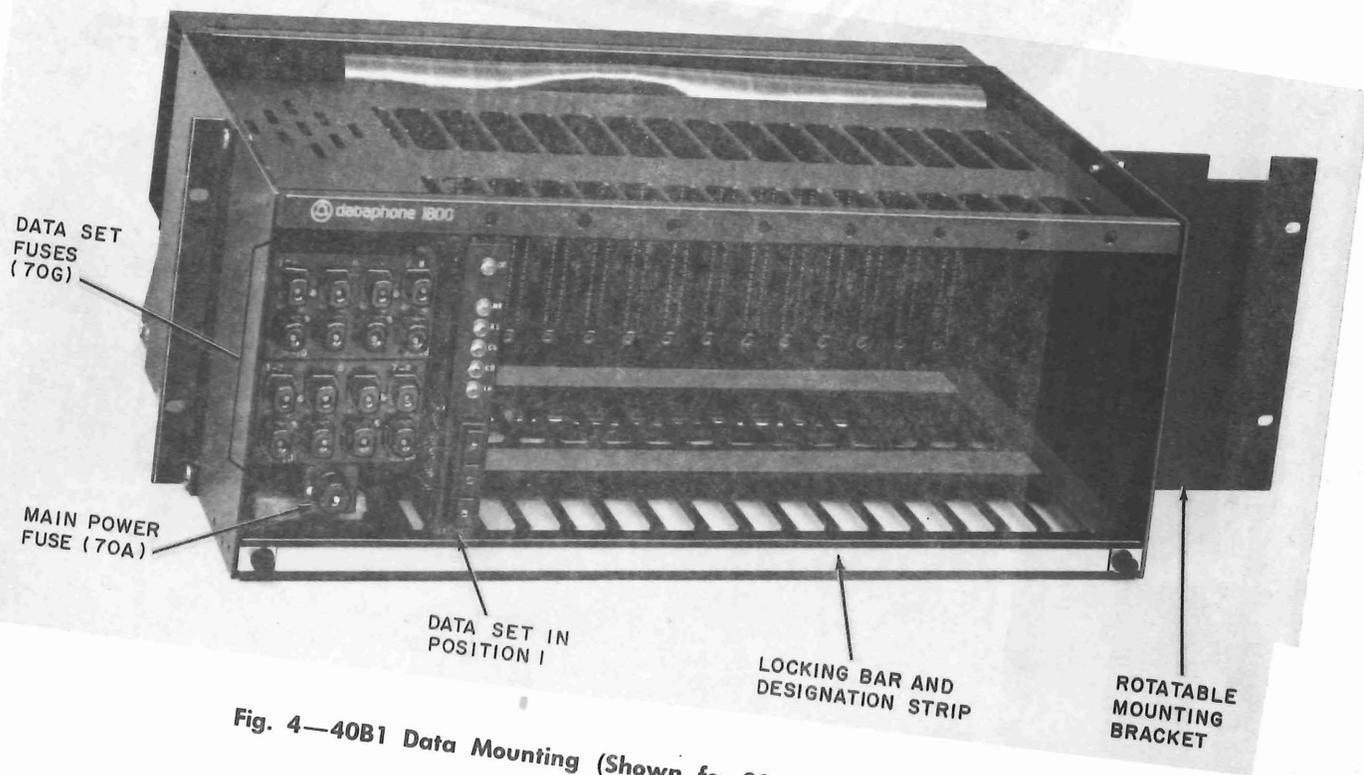


Fig. 4—40B1 Data Mounting (Shown for 23-Inch Mounting)

3. REFERENCES

3.01 Additional information on the 40-type data mounting is given in the following:

SECTION	TITLE
590-010-202	Data Sets—Station Arrangements for Mixed Data Sets in 40A-Type Data Mountings
590-011-202	Data Sets—Registered Station Arrangements for Data Sets in 40A3 Data Mountings
592-860-100	Data Station Using Data Set 202S—Description and Operation
592-860-200	Data Station Using Data Set 202S—Installation and Connections
592-860-300	Data Station Using Data Set 202S—Maintenance

SECTION	TITLE
592-860-500	Data Station Using Data Set 202S—Test Procedures
592-861-100	Data Station Using Data Set 202T—Description and Operation
592-861-200	Data Station Using Data Set 202T—Installation and Connections

3.02 The following schematic drawings (SDs) and circuit descriptions (CDs) contain information on the 40-type data mounting.

NUMBER	TITLE
SD-&CD-1D238-01	Data Set 202S-Type and 40A1 Data Mounting
SD-&CD-1D243-01	Data Set 202T, 39A1 Data Mounting, and 40B1 Data Mounting
SD-&CD-1D269-01	40-Type Data Mounting