

DATA AUXILIARY SET 820B-TYPE IDENTIFICATION

1. GENERAL

1.01 This section identifies Data Auxiliary Set (DAS) 820B-type (Fig. 1) which provides station controller functions and interface conversion between Model 33-, 35-, and 37-type teletypewriters (TTYs) and a Data Set 108A- or 109A-type for No. 1 Electronic Switching System arranged with data features (No. 1 ESS ADF) half-duplex (HDX) 100-word per minute (wpm), 86A1 100-wpm, and 86A2 HDX 150-wpm data stations.

1.02 This section is reissued for the following reasons:

- (a) To include references to the 86A1 HDX 100-wpm data station
- (b) To include references to the 86A2 HDX 150-wpm data station
- (c) To include information pertaining to DAS 820B6 and DAS 820B7
- (d) To rate DAS 820B1, DAS 820B2, and DAS 820B4 manufacture discontinued (MD).

Since this is a general revision, arrows ordinarily used to indicate changes have been omitted.

1.03 There are currently five varieties of the DAS 820B-type in use. The five types, the model TTY they are used with, and the type station employed are listed in Table A.

1.04 The DAS 820B-type (Fig. 1) consists of a 24A power unit, a 59C apparatus mounting (which allows for mounting 12 circuit packs and a Data Set 108A- or 109A-type); KS-16786-L3 and -L4 connectors (one each), two switches, a terminal strip, an M3AY power cord, and a 748A card

extracting tool assembly. The circuit packs for each type DAS and the slot locations of the circuit packs in the 59C mounting are given in Table B.

1.05 The DAS 820B-type measures 15-1/2 inches wide, 6 inches high, and 9 inches deep. The set weighs approximately 19 pounds.

1.06 A DAS 820B-type is designed to be mounted inside a TTY stand or cabinet by using either a 91A bracket (33-type TTY), a 92A bracket (35-type TTY), a 93A bracket (37-type TTY), or a 95A bracket (35- or 37-type ROTR TTY). When a 35 or 37-type ROTR TTY is used as the primary receiver at a TERM ONLY station, the DAS 820B-type is mounted in a KS-20018 cabinet.

1.07 Detailed information for DAS 820B-type is covered in the following Bell System Practices:

SECTION	TITLE
580-301-Z00	No. 1 Electronic Switching System ADF—Half-Duplex—100 Word Per Minute Data Station—Using 4-Row Teletypewriters
580-301-Z02	No. 1 Electronic Switching System ADF—Half-Duplex—150 Word Per Minute Data Station—Using 4-Row Teletypewriters
581-136-Z00	86A1 Data Selective Calling Service—Half-Duplex—100 Word Per Minute Data Station
581-136-Z01	86A2 Data Selective Calling Service—Half-Duplex—150 Word Per Minute Data Station.
1.08	The schematic drawing and circuit description covering the DAS 820B-type are SD- and CD-3D038-01.

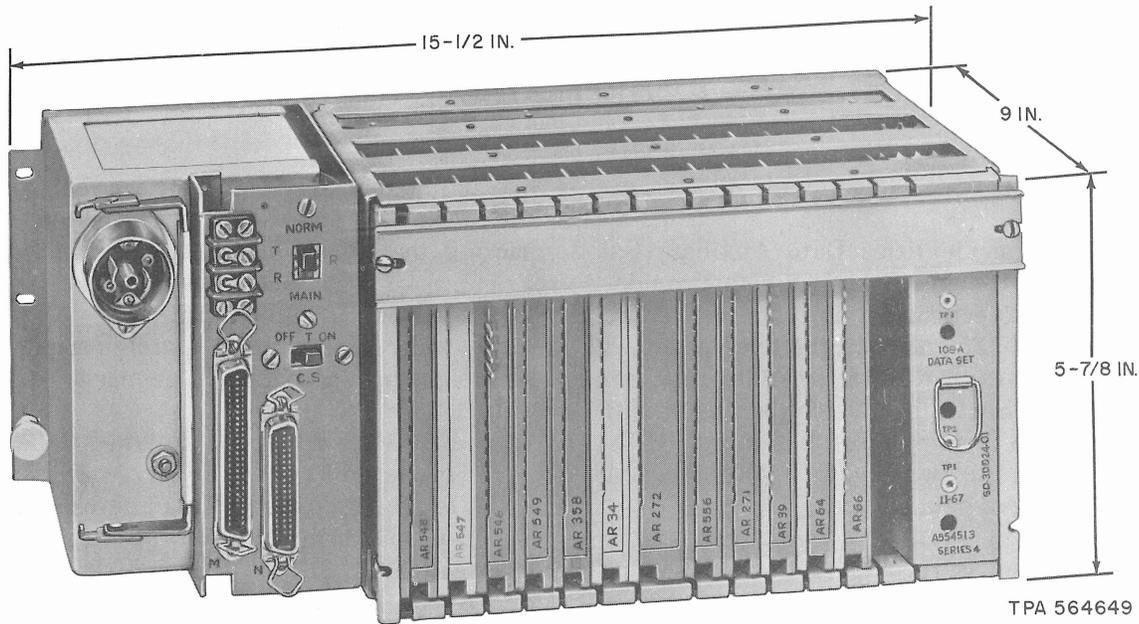


Fig. 1—Data Auxiliary Set 820B-Type

TABLE A

TYPE DAS	TTY USED	TYPE STATION EMPLOYED
820B1 (MD)	†Model 33- or 35-type	No. 1 ESS ADF or 86A1 HDX, 100-wpm ORIG TERM data stations
820B2* (MD)	Model 33-type	No. 1 ESS ADF or 86A1 HDX 100-wpm ORIG TERM or TERM ONLY data stations
	Model 35-type	No. 1 ESS ADF or 86A1 HDX 100-wpm TERM ONLY data stations
820B4* (MD)	Model 37 RO TTY	86A2 HDX 150-wpm TERM ONLY data stations
820B6	Model 37-type	86A2 HDX 150-wpm data stations (all)
820B7	Model 33- or 35-type	86A1 HDX 100-wpm data stations (all)

* Not equipped with end-of-transmission (EOT) counter.

† When station using 33-type TTY is equipped with DAS 820B1 or DAS 820B7, the EOT counter is ineffective.

TABLE B

TYPE DAS	SLOT											
	A	B	C	D	E	F	G	H	I	J	K	L
820B1 (MD)	AR67	AR566†	AR32	AR567‡	AR35	AR34	AR272§	AR556¶	AR271**	AR39	AR64	AR66
820B2 (MD)	AR67	AR566†	AR356	AR567‡	AR35	AR34	AR272§	AR556¶	AR271**	AR39	AR64	AR66
820B4* (MD)	AR67	AR566†	AR356	AR567‡	AR358	AR34	AR272§	AR556¶	AR271**	AR39	AR64	AR66
820B6	AR548	AR547	AR546	AR549	AR358	AR34	AR272	AR556	AR271	AR39	AR64	AR66
820B7	AR32	AR566	AR568	AR567	AR35	AR34	AR272	AR556	AR271	AR39	AR64	AR66

* DAS 820B4 can be replaced by DAS 820B1, 820B2, or 820B7 by replacing circuit pack AR35 with circuit pack AR358.

† In earlier models, AR31 (MD) is used in place of AR566.

‡ In earlier models, AR33 (MD) is used in place of AR567.

§ In earlier models, AR37 (MD) is used in place of AR272.

¶ In earlier models, AR38 (MD) is used in place of AR556.

** In earlier models, AR36 (MD) is used in place of AR271.