1A DATA STATION
MULTICHANNEL ARRANGEMENTS
DESCRIPTION AND OPERATION

1. GENERAL

1.001 This addendum supplements Section 591-813-100, Issue 2.

1.002 This addendum is issued to add the following:

- Station Current Interface (DP69 circuit pack) (20-mA, 3-wire, FDX or HDX, binary only). DP69 circuit pack replaces DP56 circuit pack now rated Manufacture Discontinued (MD).
- ED-73542-20 Cable Assembly

2. PHYSICAL DESCRIPTION

The following changes apply to Part 2 of this section:

(a) Table A—revised

(b) Table A1—added

(c) Table B—revised

(d) K.1—added subheading

(e) 2.25.1—added paragraph

(f) K.2—added subheading

(g) 2.25.2—added paragraph

(h) Table C—revised

Table A & Table A1

TABLE A

MAXIMUM CURRENT DRAIN IN MILLIAMPERES

CONFIG-URATION	EQUIPMENT	CARRIER FAIL CONDITION					
		SEND AND RECEIVE		SEND ONLY		RECEIVE ONLY	
		+24V	−24V	+24V	−24V	+24V	−24V
Per Channel	DP69 Circuit Pack (3-wire, 20-mA, Current)	130*	79*	68	10	113	65

* Maximum current drain on the DP69 circuit pack occurs in the test mode: +24 vdc @ 170 mA; −24 vdc @ 84 mA (see Table A1).

TABLE A1

CURRENT DRAIN ON CHANNEL TERMINAL EQUIPPED WITH DP69 STATION CURRENT INTERFACE CIRCUIT PACK (4 CIRCUIT PACK TOTAL)

+24 VDC DRAIN MA	−24 VDC DRAIN MA	STATE OF CHANNEL TERMINAL
130	54	Normal Mode
130	79	No Carrier Present
170	84	Test Mode
180	54	VBLA* Mode

* Voice Band Loop Around.

Table B:

(1) Under CIRCUIT PACK heading, change from DP56 to DP69†.

(2) At the bottom of the table, add the following note:

†Station Current Interface (DP56 Circuit Pack) is rated MD. DP69 Circuit Pack is Standard.

K.1 ED-73542-20 Cable Assembly

2.25.1 The ED-73542-20 Cable Assembly (not supplied; must be ordered separately) consists of 20 conductors jacketed with a light olive-gray vinyl. Each end is equipped with a 906E connector and strain relief clamp. When the cable is used in a KS-20093 cabinet, the maximum length required is 10 feet. For all other conditions the length shall be as required, but not to exceed 50 feet. The ED-73542-20 Cable Assembly is used (when required) to physically extend the 202A, 202B, or 202C adapter connections between 29A1 and/or 29B1 data mountings, within the 1A Data Station, MCA.

K.2 M11G Cord

2.25.2 The M11G cord (not supplied; must be ordered separately) is a modified version of the M25B cord with a male KS-19088-L2 connector at each end and is available in lengths of 10, 25, and 50 feet. The cord is used to provide interface connections on an EIA basis for back-to-back arrangements between two 1A Data Stations, MCA, or from the 1A Data Station, MCA, to a 108- or 109-type data set.

Table C:

Under the CODE heading, change from DP56 to DP69.

3. FUNCTIONAL DESCRIPTION

The following changes apply to Part 3 of this section:

(a) 3.19(b)—revised

(b) Table E—revised

(c) 3.33—revised

(d) 3.14—revised

(e) Heading preceding 3.65—revised

(f) Heading preceding 3.67—revised

(g) 3.91—Typographical error corrected.

3.19 (b) Change from DP56 to DP69.

Table E: Under the heading "CKT" for pin 10, change from — to "-P".

3.33 Change from DP56 to DP69.

3.34 Change from DP56 to DP69.

Heading preceding 3.65: change from **DP56** to **DP69.**

Heading preceding 3.67: change from **DP56** to **DP69.**

3.91 In fourth line of paragraph: change from DAS 811G-L1 to DAS 811J-L1.

4. MOUNTING ARRANGEMENTS

The following changes apply to Part 4 of this section:

(a) 4.06.1—added

(b) 4.20—revised

4.06.1 The ED-73542-20 Cable Assembly is used to physically extend, up to a maximum of 50-feet, the 202A, 202B , or 202C adapter connections between 29A1 and/or 29B1 data mountings within the 1A Data Station. When required, the interconnection may be made between separate but adjacent cabinets or bays, or between the front and rear of the same cabinet. The 202A, 202B, or 202C adapters used with ED-73542-20 cable assembly ***must*** be of the same type at both ends of the cable assembly.

4.20 In fifth line of paragraph 4.20, change from DP56 to DP69.

Figures:

The following changes apply to the Figures in this section:

(a) Fig. 1—revised

(b) Fig. 10—revised

(c) Fig. 21—revised

(d) Fig. 24—revised

(e) Fig. 26—revised

(f) Fig. 29—revised

(g) Fig. 30—revised

(h) Fig. 32—correction

(i) Fig. 33—revised

Fig. 1:

(1) In Table in Note 2, under STA INTF heading, change from DP56 to DP69 and add (Note 5).

(2) Add: Note 5: Early units may have DP56 (MD) installed. DP69 is std.

Fig. 10: Change title to read: "Station Current Interface, DP69 (or DP56; DP56 Circuit Pack Shown)"

Fig. 21: In the block entitled STATION CURRENT INTERFACE, 3-W, 20mA, FDX or HDX, change from DP56 to DP69.

Fig. 24: In Note 3, change from DP56 to DP69.

Fig. 26: In the block entitled STA CUR INTF (3-W), change from DP56 to DP69.

Fig. 29: Add Note 2. If a back-to-back connection is to be made between the 1A Data Station, MCA, and a 108- or 109-type data set, an M11G Cord may be used.

Fig. 30: In the two blocks entitled STA INTF (one in Position B and the other in Position C), change from 56 to 69.

Fig. 32: At upper left-hand corner of figure, remove the reference to Note 4 at A and also at B (Note 4 at C is to remain).

Fig. 33: In Note 4, change from DP56 to DP69.