24A-TYPE DATA UNIT
(COMMON CONTROL EQUIPMENT)
IDENTIFICATION

1.001 This addendum supplements Section 590-100-117, Issue 2.

1.002 This addendum is issued to include identification of available option list codes L11 and L12 Automatic Retraining Auxiliary Channel (ARAC) components and to illustrate the components which provide the option list code L9 (Mil. Standard Interface) functions.

1.003 Fig. 1A shows the two circuit packs and the 840-128-573 adapter which provide the Mil. Standard Interface functions. The adapter is mounted on the 24A-type Data Unit and the plug is secured to the CUSTOMER connector (J12). The adapter expands the 25-pin CUSTOMER connector to a 15-pin CUSTOMER A connector and a 25-pin CUSTOMER B connector. The two circuit packs (AR496 and AR497) function in place of the List L8 EIA Interface circuit packs AR338 and AR502, respectively.

1.004 The 24A1 Data Unit used to provide the L11 and L12 ARAC functions must contain changes indicated as Series 4. Changes to be included are shown in Fig. 2A for reference. These changes affect the reliability of the ARAC functions only. The ARAC functions will be used ***only*** with a Data Set 203A transmitter-receiver and ***only*** on 4-wire private line facilities. Other services are not affected.

1.005 Table B on Page 3 should be expanded to reflect the following information:

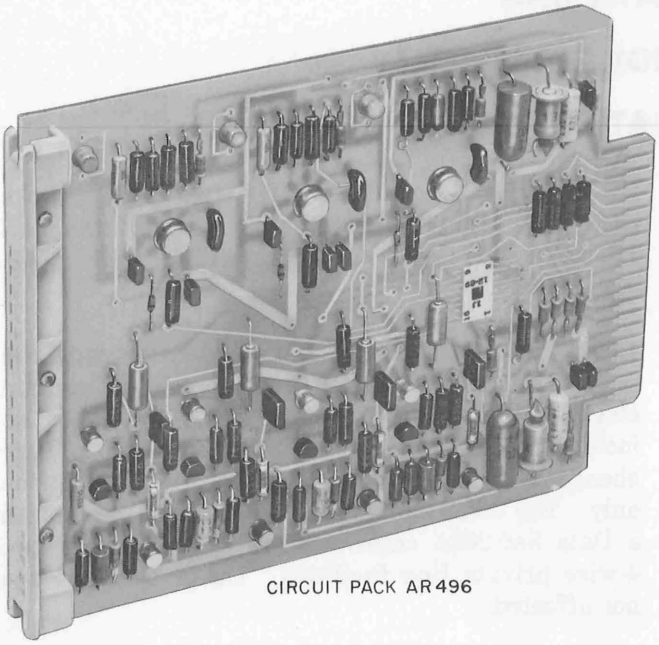
TABLE B

OPTIONAL APPARATUS FOR 24A-TYPE DATA UNIT

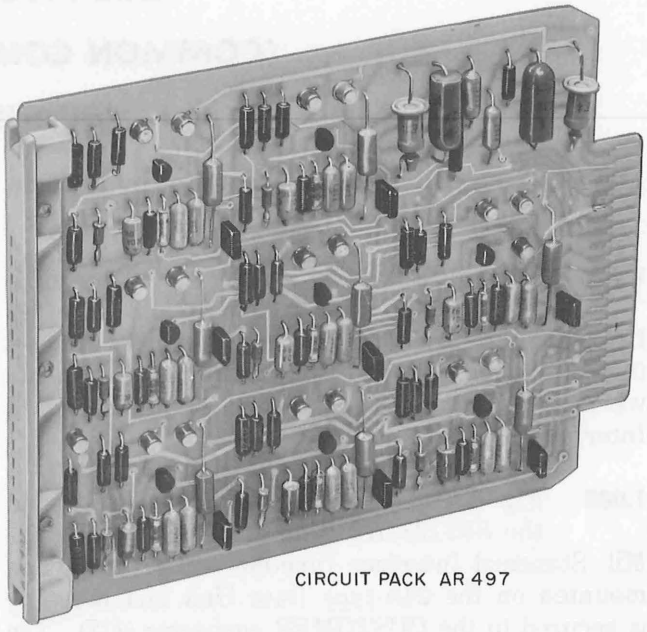
DATA SET 203 LIST NUMBER	CIRCUIT PACK	CIRCUIT PACK POSITION	NETWORK	NETWORK CONNECTOR	FUNCTION
L11 (Note 5)	AR582	11	4166B	J11	To provide an Automatic Retraining Auxiliary Channel (ARAC)
L12 (Note 6)	AR583	11	4166C	J11	To provide an Automatic Retraining Auxiliary Channel (ARAC)

Note 5: The L11 ARAC circuitry is compatible *only* with a Data Set 203A using speed option list code L2 and operating *only* on a full-duplex 4-wire facility. The L11 ARAC components physically replace the L7 Low-Speed Auxiliary Channel components.

Note 6: The L12 ARAC circuitry is compatible *only* with a Data Set 203A using speed option list code L6 and operating *only* on a full-duplex 4-wire facility. The L12 ARAC components physically replace the L7 Low-Speed Auxiliary Channel components.



CIRCUIT PACK AR496



CIRCUIT PACK AR 497

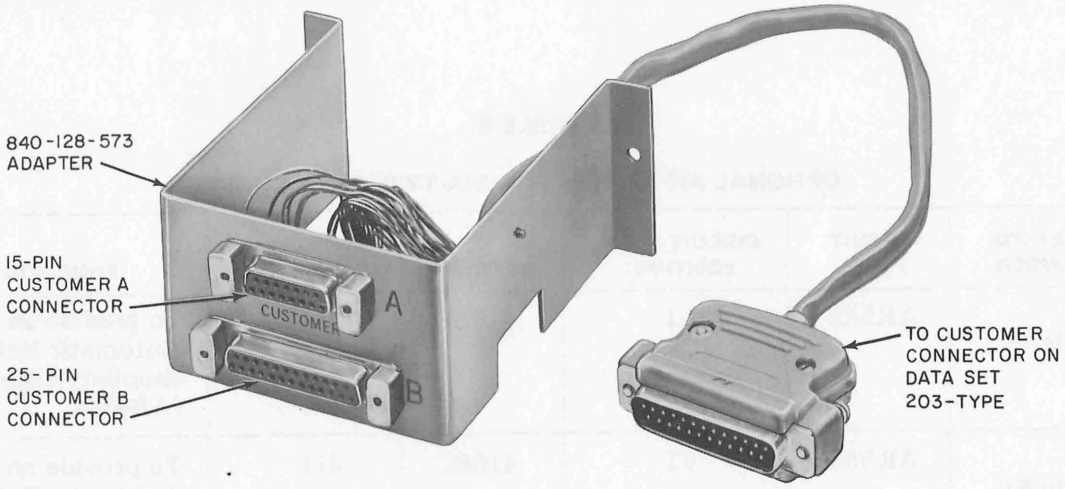
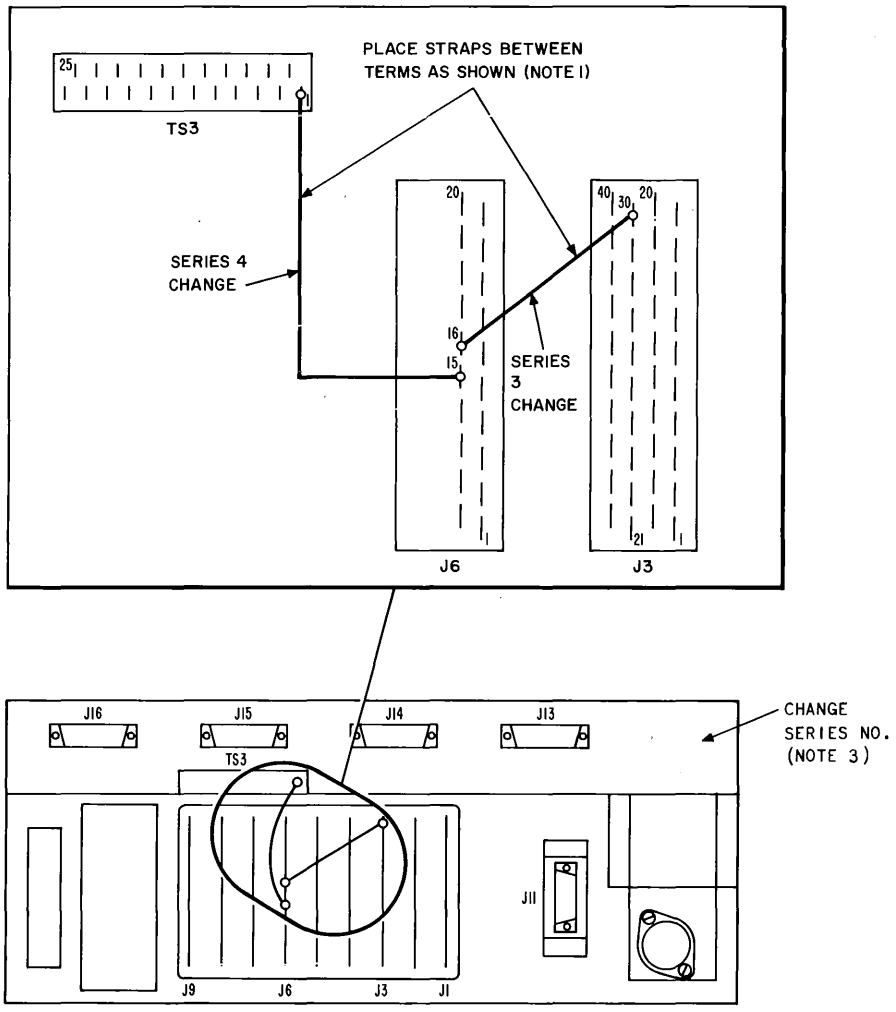


Fig. 1A—Component Parts of Military Standard Interface Option (L9)



REAR VIEW OF 24AI DATA UNIT

NOTES:

1. USE 26 GA BW WIRE, GREEN PREFERRED. ALL CONNECTIONS ON TERMINALS MUST BE SOLDERED. WIRE TO BE AS SHORT AS POSSIBLE. IF 26 GA IS NOT AVAILABLE, USE 24 GA BW WIRE.
2. IF THE DATA SET 203A IS MOUNTED IN A KS-20018-L3 CABINET, CHANGE THE SERIES NO. ON THE 24A LABEL. LABEL IS LOCATED ON INSIDE OF FRONT COVER.
3.

IDENTIFICATION OF 24AI DATA UNIT		
ORIGINAL SERIES NUMBER	CHANGES TO BE INCLUDED	MARK 24AI DATA UNIT
SERIES 1	SERIES 3 AND 4 CHANGES AS SHOWN	SERIES 1/3-4 (NOTE 4)
SERIES 2	SERIES 3 AND 4 CHANGES AS SHOWN	SERIES 4
SERIES 3	SERIES 4 CHANGES AS SHOWN	SERIES 4

4. THE SLASH (/) INDICATES INTERVENING CHANGE IS NOT INCLUDED. THIS IS IMPORTANT SINCE THE METHOD OF MAKING SUBSEQUENT CHANGES MAY DEPEND ON THE CHANGES IN THE PRODUCT.

TPA 570006

Fig. 2A—Changes Required for the 24A-Type Data Unit