DATA AUXILIARY SET 804A-TYPE (804W)

DESCRIPTION AND OPERATION

1. GENERAL

1.001 This addendum supplements Section 598-030-100, Issue 9. Place these sheets ahead of page 1 of the section.

1.002 In the event of a reissue of this addendum the reason for the reissue will be contained in this paragraph.

1.003 This addendum is issued to provide information on the 804W-type data auxiliary set (DAS) which is a direct functional replacement for the 804A-type DAS used in 303 wideband data station application.

2. CHANGES

2.001 The 804W-type DAS is comprised of a 47J1 data mounting and a 565HKM or 2565HKM telephone set for either dial or TOUCH-TONE® service use and two B25A cords of appropriate length. The telephone set is configured to provide functional key and display arrangements similar to the 804A-type DAS. See Fig. 1 for an application schematic of the 804W DAS.

2.002 The 47J1 data mounting contains two circuit packs, CP1 and CP2. Circuit pack CP2 is the same circuit pack used in the 804A-type DAS and provides the required 804 functions.

2.003 Circuit pack CP1 is accessible by removing the front cover of the data mounting. The CP1 provides for option selection. The options are made by setting dual in-line package (DIP) switches or by inserting shorting plugs as shown in Table A.

2.004 Two 50 pin connectors are provided at the back of the 47J1 data mounting for connection to the telephone set and to the 806-type DAS associated with the 303-type data station.

2.005 The telephone set is optioned and the buttons labeled to provide the same functions as the 804A-type. The telephone provides voice communication over the voice-frequency coordination channel. In addition, it provides control and switching functions required by the 303-type data set.

A. Physical Considerations

2.006 The telephone may be placed on the 47J1 data mounting and both units (telephone and data mounting—comprising the 804W) placed on top of the 303 data station cabinet in the same way as the 804A-type is installed. In this case the distance limitations between the 804W DAS and the 804A-type DAS are as stated in the appropriate 303-type sections. Alternatively the 47J1 data mounting may be mounted in the 303 data station cabinet in a convenient location using the 87AA bracket. In this case the telephone may be separated from the 47J1 by any convenient distance consistent with telephone installation practices. See Fig. 2 for a typical equipment arrangement.

B. Telephone Configuration

2.007 The 565HKM or 2565HKM telephone set must be configured to provide the proper switch functions and lamp display. Figure 3 is a schematic of the 2565HKM telephone set. The necessary steps for making these modifications are as follows:

(a) Remove, tape and store (O-BK) wire from (N).

(b) Move (G) wire from (9) to (N).

(c) Move (Y) wire from (M) to (9).

(d) Locate (BR) wire from switchhook that is connected to (N) and move it to (M).

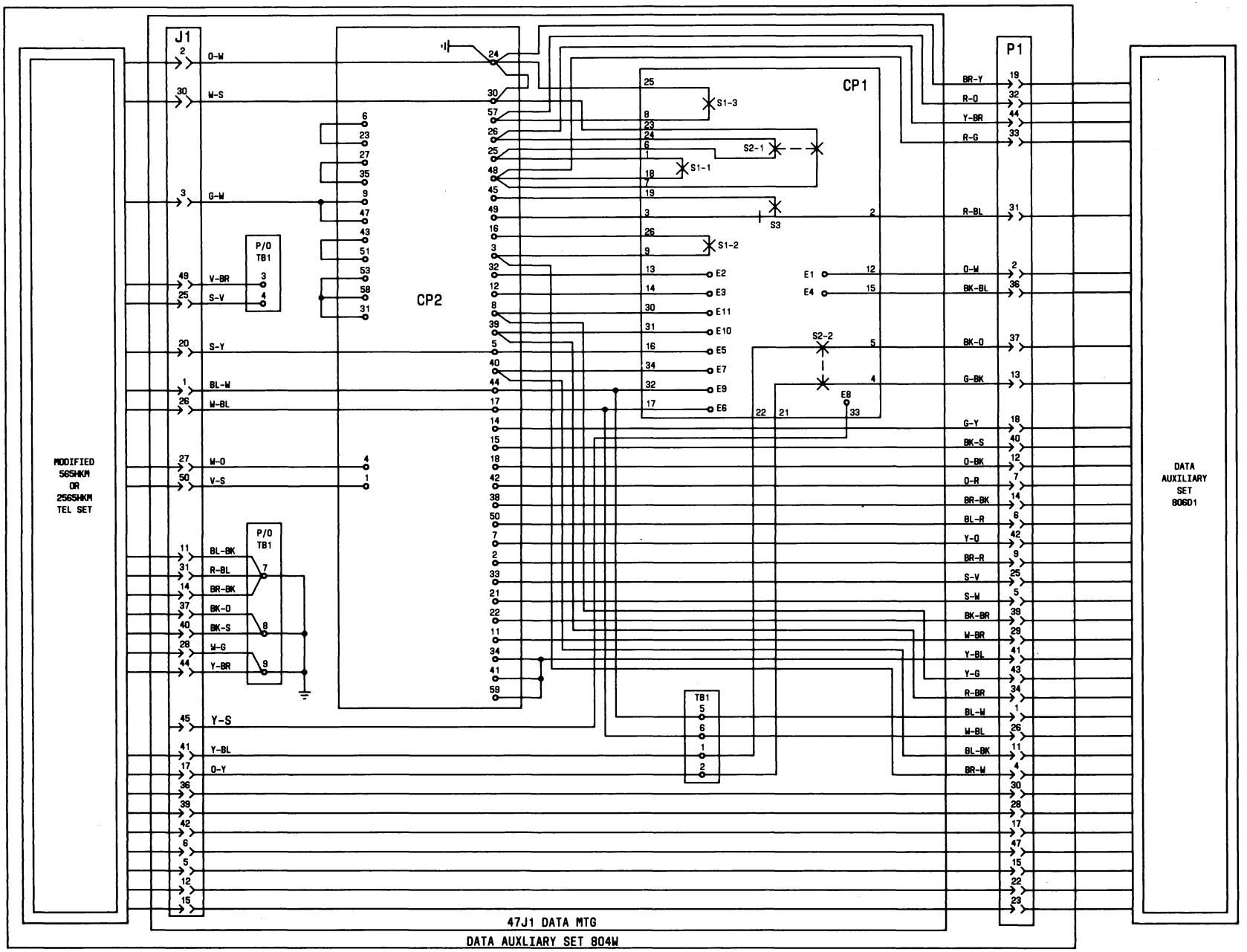

Fig. 1—Application Schematic of 804W DAS

TABLE A

OPTION TABLE

OPTION AND DESCRIPTION	565HKM OR 2565HKM TELEPHONE SET	SWITCH POSITION*			CAMBION PLUG SHORTING POSITION†	TB1 ‡ WIRING	
		S1	S2	S3		2-W	4-W
M [4-WIRE]	Move [W] WIRE FROM [R] OF NETWORK TO [2] MOVE [GN] WIRE FROM [S] OF NETWORK TO [3]		2				
N [RING ON REC PAIR]					E1-E2, E4-E5 & E7-E8		
Q [RING ON TRANS PAIR]					E-2-E3, E5-E6 E8-E9 & E10-E11		
V [600 OHM LINE]				A			
W [900 OHM LINE]				B			
K [UNBAL PAIR]			1				
H [BAL PAIR]		1					
T [AUTO CALL UNIT]		2					
E [AUTO ANS]		3					
LOUDSPEAKER UNDER SWITCH HOOK CONTROL	REMOVE AND STORE [S] WIRE FROM [L1] OF NETWORK MOVE [BK] WIRE FROM [R] OF NETWORK TO [B] MOVE [R] WIRE FROM [S] OF NETWORK TO [L1]						
[2-W]						3 & 4 5 & 6	
[4-W]							1 & 2 3 & 4

* SWITCH POSITIONS LISTED FOR EACH OPTION SHALL BE ON AND ALL OTHER SWITCHES SHALL BE OFF.

† CAMBION SHORTING PLUGS SHALL BE PLACED BETWEEN POINTS SHOWN.

‡ TERMINALS 1 & 2 AND 5 & 6 ARE CONNECTED TO CONTACTS 4 & 9 OF A 17B KTU. TERMINALS 3 & 4 ARE CONNECTED TO KTU RELAY AND GROUND.

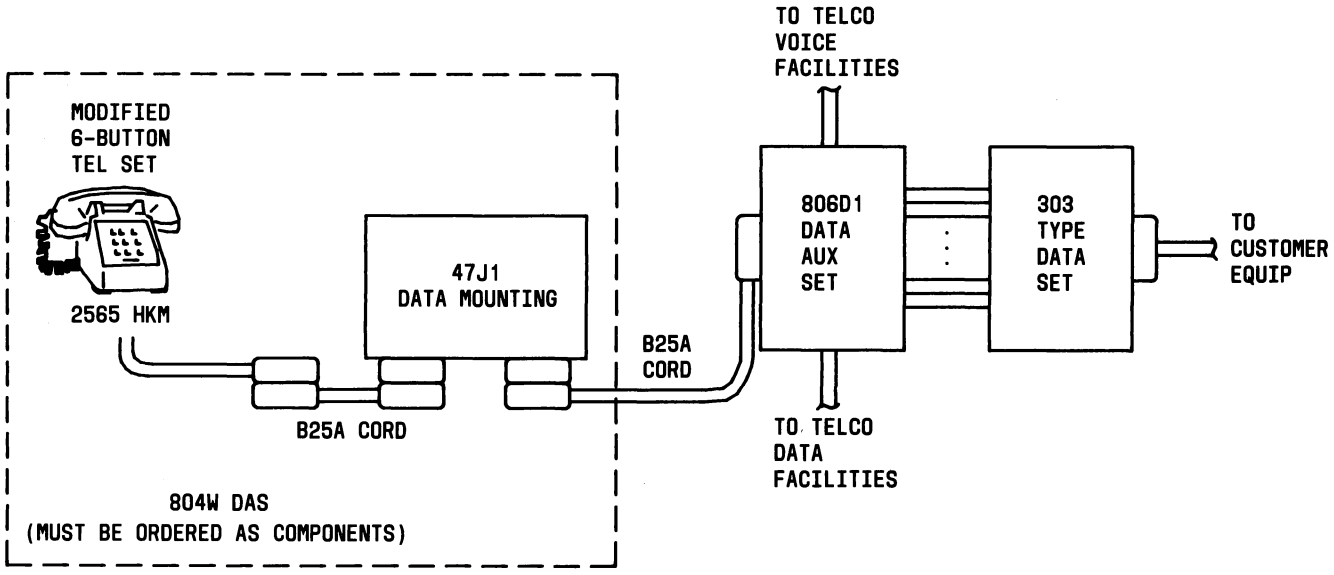

Fig. 2—Typical Equipment Arrangement

(e) Move (Y-BR) wire from (M) to (1).

(f) Remove, tape and store (SR) wire from (M).

(g) Move (BR-BK) wire from (X) to (4).

(h) Untape stored (BL-BK) wire of instrument cord and connect it to (X).

(i) Position PU button (3) to blocked.

(j) Remove locking screw from ring button (PU-5).

(k) Unstore (S-W) wire and connect it to (LH).

(l) Unstore (BR-BK) wire and connect it to (LG) associated with (LH).

(m) Install 52A-type lamp in (H) button socket.

(n) Replace all lamps with 52A-type.

C. 804 Options

2.008 The 804W provides the same options as those provided by the 804A-type DAS in 303 wideband applications. Figure 4 shows the option functions available. The actual options used are described in the section associated with the particular 303 application.

D. Functional Description

2.009 The functional description of the 804W is the same as the functional description of the 804A-type DAS and is given in the sections associated with the particular 303 application.

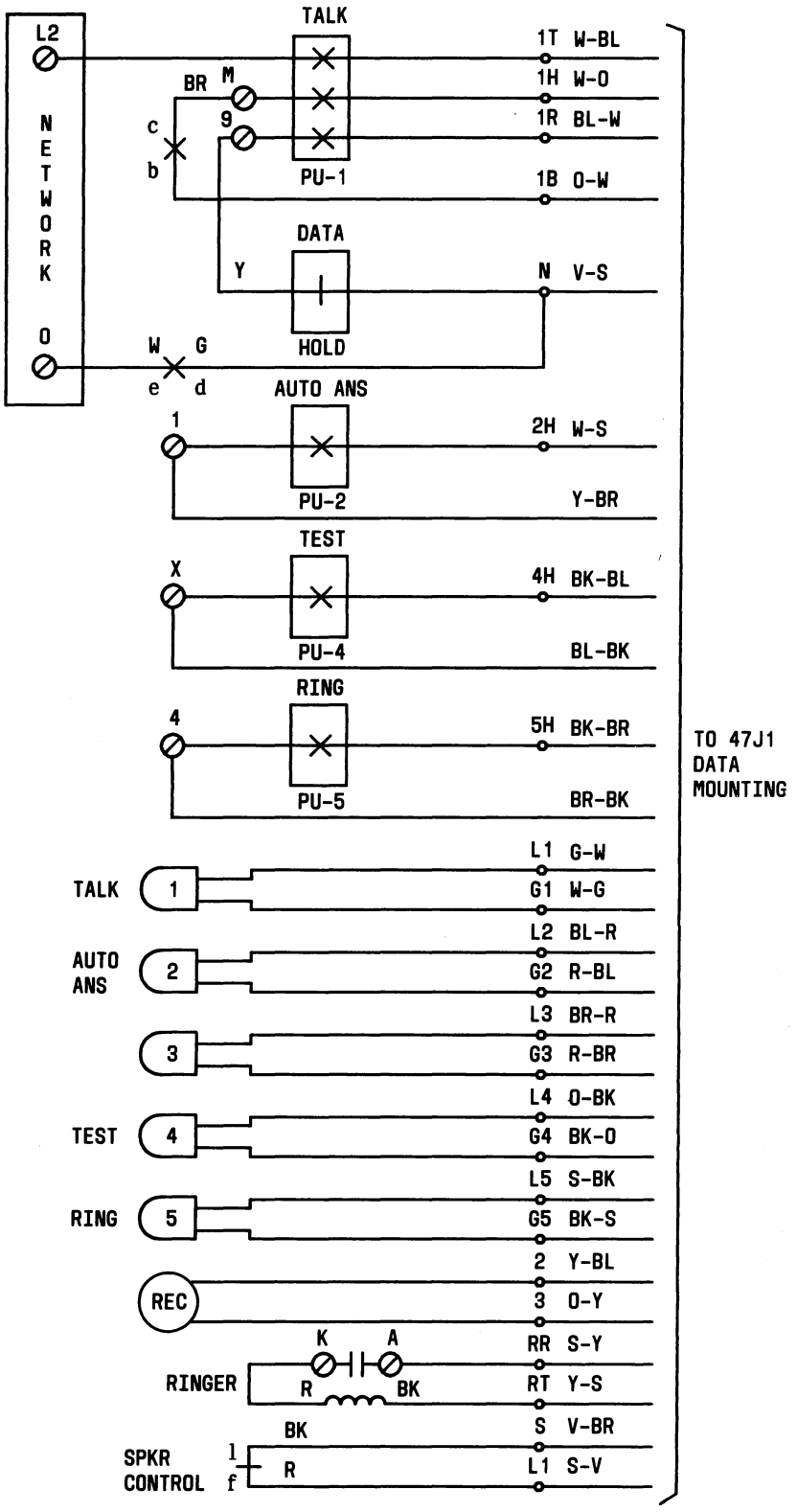

Fig. 3—2565HKM Telephone Set Schematic

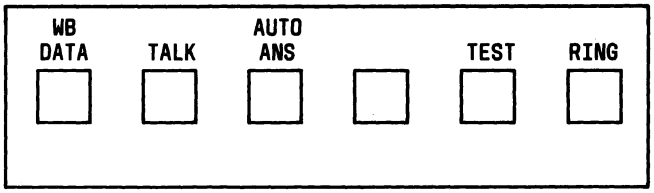

Fig. 4—Button Designations for Option Functions