

## SERVICE

### 1663-TYPE TELEPHONE SETS

#### 1. GENERAL

**1.01** These sets are supplied factory-wired with a 242B amplifier for headset operation. A 52- or 53-type headset must be ordered separately.

**1.02** Connection information contained in this section was formerly found in Section 502-660-413 which will be canceled.

TABLE A

#### POLARITY GUARD CONNECTIONS (P-90D095 GUARD ASSEMBLY 1663A-TYPE) (P-90D012 GUARD ASSEMBLY 1663B-TYPE)

LEAD	COLOR	REMOVE FROM	CONNECT TO	
		NET.	POLARITY GUARD	NET.
Dial	BK	RR	T	
Line Switch	W	C	S	
Headset Key	V-S			
Polarity Guard	W			C
	G			RR

*Note:* For use when specified by local instructions for end-to-end signaling installations.

SECTION 502-618-403

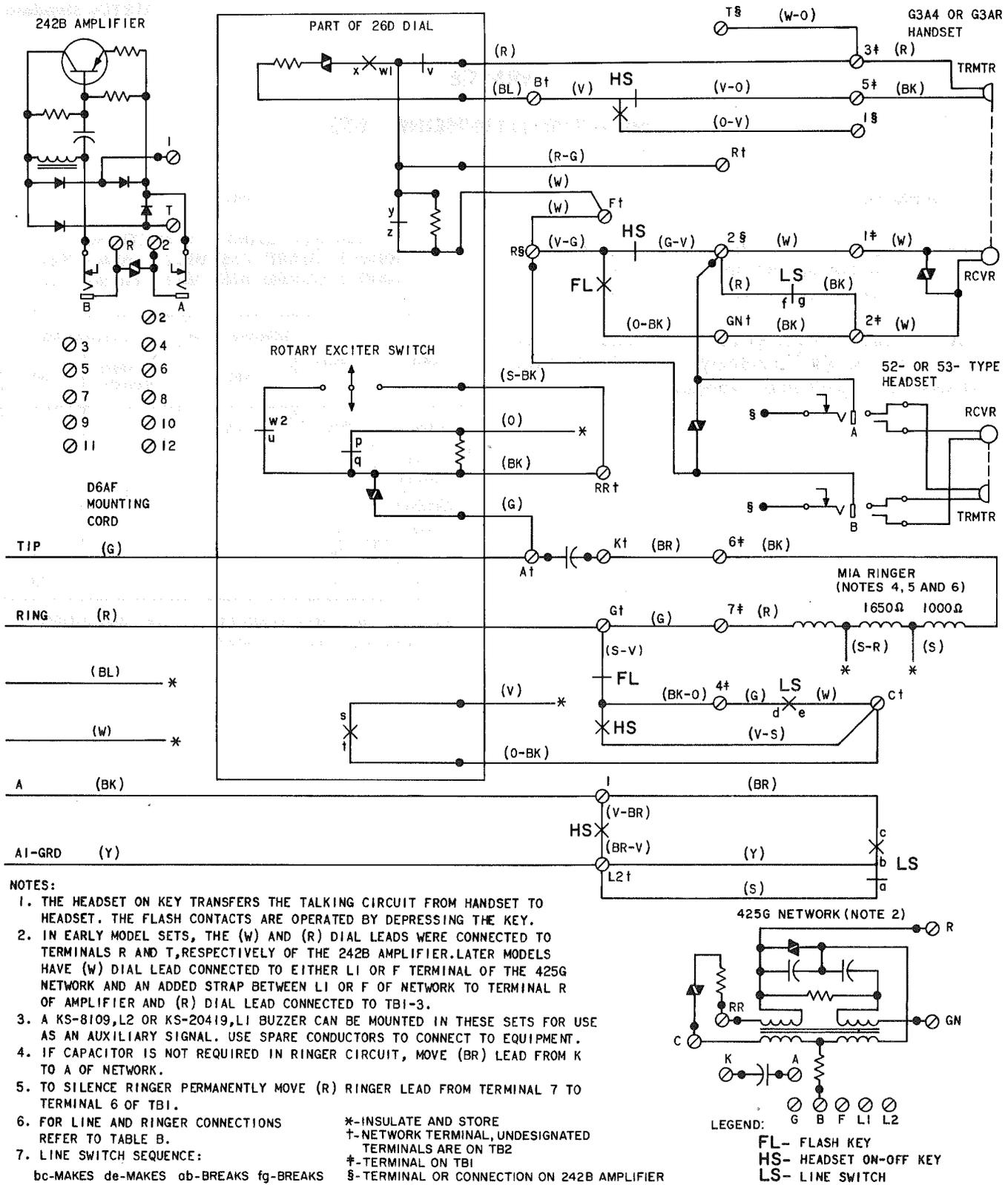
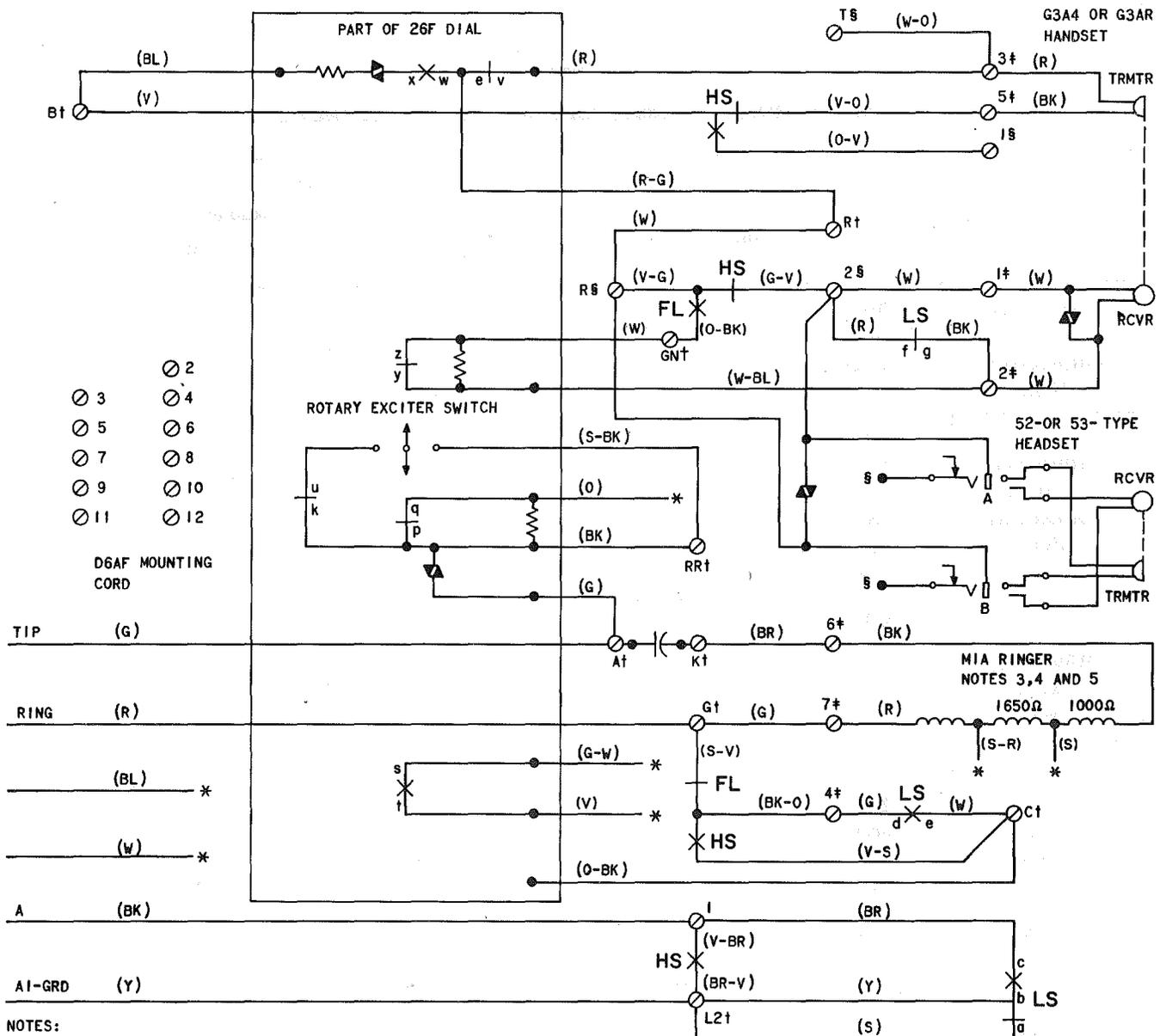
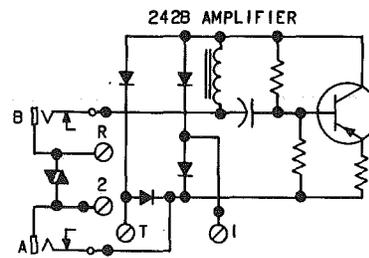


Fig. 1—1663A1 (MD) Telephone Set Connections



NOTES:

1. THE HEADSET ON KEY TRANSFERS THE TALKING CIRCUIT FROM HANDSET TO HEADSET. THE FLASH CONTACTS ARE OPERATED BY DEPRESSING THE KEY.
  2. A KS-8109L2 OR KS-20419L1 BUZZER CAN BE MOUNTED IN THESE SETS FOR USE AS AN AUXILIARY SIGNAL. USE SPARE CONDUCTORS TO CONNECT TO EQUIPMENT.
  3. IF CAPACITOR IS NOT REQUIRED IN RINGER CIRCUIT, MOVE (BR) LEAD FROM K TO A OF NETWORK.
  4. TO SILENCE RINGER PERMANENTLY MOVE (R) RINGER LEAD FROM TERMINAL 7 TO TERMINAL 6 OF TBI.
  5. FOR LINE AND RINGER CONNECTIONS REFER TO TABLE B.
  6. LINE SWITCH SEQUENCE:  
bc-MAKES de-MAKES ab-BREAKS fg-BREAKS
- \* INSULATE AND STORE  
 † NETWORK TERMINAL, UNDESIGNATED TERMINALS ARE ON TB2  
 ‡ TERMINAL ON TBI  
 § TERMINAL OR CONNECTION ON 242B AMPLIFIER.



LEGEND:  
 FL-FLASH KEY  
 HS-HEADSET ON-OFF KEY  
 LS-LINE SWITCH

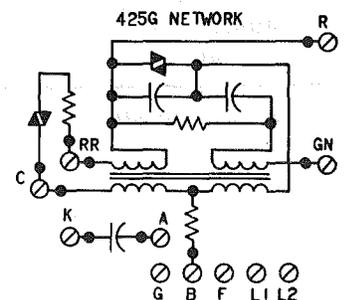


Fig. 2—1663B1 (MD) Telephone Set Connections

TABLE B

## LINE AND RINGER CONNECTIONS — 1663-TYPE TELEPHONE SET

WIRE OR LEAD		INDIV OR BRIDGED	RING PARTY	TIP PARTY			1A1 OR 1A2 KEY TEL SYSTEM
				NO IDENT GROUND	IDENT GROUND		
					1000 Ω	2650 Ω	
Line Wire at Connecting Block	Tip	1	1	1	1	1	1
	Ring	2	2	2	2	2	2
	Grd A1	4	4	4	4	4	4
	A						5
Mounting Cord at Connecting Block	(G)	1	1	1	1	1	1
	(R)	2	2	2	2	2	2
	(Y)	4	4	4	4	4	4
	(BK)	5	5	5	5	5	5
	(BL)	6	6	6	6	6	6
	(W)	7	7	7	7	7	7
Mounting Cord in Set	(G)	A	G	A	A	A	A
	(R)	G	A	G	G	G	G
	(Y)	L2	L2	L2	L2	L2	L2
	(BK)	1	1	1	1	1	1
	(BL)	*	*	*	*	*	*
	(W)	*	*	*	*	*	*
Ringer Leads	(R)	7	7	7	6	6	7
	(BK)	6	6	6	7	7	6
	(S)	*	*	*	B	*	*
	(S-R)	*	*	*	*	B	*
Ringer Straps	(BR)	K	K	K	K	K	K
	(G)	G	L2	L2	L2	L2	G
Dial Leads	(G)	A	G	A	A	A	A
	(O-BK)	C	C	C	C	C	C
Headset Key Lead	(S-V)	G	A	G	G	G	G

\* Insulate and store