

## SERVICE

### 2663A1 TELEPHONE SETS

#### 1. GENERAL

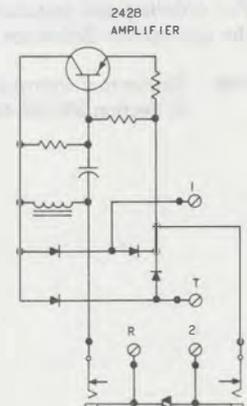
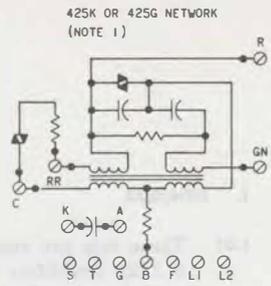
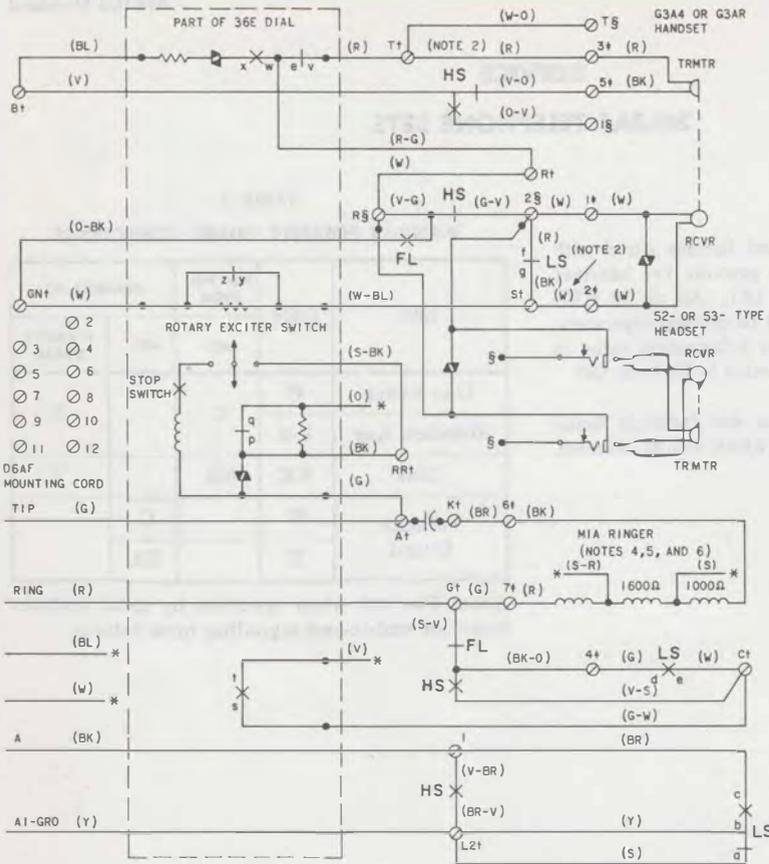
1.01 These sets are supplied factory wired with a 242B amplifier to provide for headset operation and are used with 1A1, 1A2, or 6A KTS. A 52- or 53-type headset must be ordered separately. For ordering and installation information refer to the appropriate Reference section in Division 502.

1.02 Connection information was formerly found in Section 502-660-423 which will be canceled.

**TABLE A**  
**P-90D012 POLARITY GUARD CONNECTIONS**

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

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



- NOTES:
- 425G NETWORK ELECTRICALLY THE SAME AS 425K NETWORK. THE 425K NETWORK PROVIDES S AND T TIE POINT TERMINALS.
  - STRAPS REQUIRED ON 425K NETWORK.
  - 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.
  - IF CAPACITOR IS NOT REQUIRED IN RINGER CIRCUIT, MOVE (BR) LEAD FROM K TO A OF NETWORK.
  - TO SILENCE RINGER PERMANENTLY MOVE (P) RINGER LEAD FROM TERMINAL 7 TO TERMINAL 6 OF TBI.
  - FOR LINE AND RINGER CONNECTIONS REFER TO TABLE B.
  - LINE SWITCH SEQUENCE:  
bc - MAKES  
de - MAKES  
ab - BREAKS  
fg - BREAKS

LEGEND

- \* - INSULATE AND STORE
- † - NETWORK TERMINAL, UNDESIGNATED TERMINALS ARE ON TB2
- ‡ - TERMINAL ON TBI
- § - TERMINAL OR CONNECTION ON 242B AMPLIFIER
- FL - FLASH KEY
- HS - HEADSET ON-OFF KEY
- LS - LINE SWITCH

CONNECTIONS ON 425G OR CURRENT 425K NETWORKS

LEADS	COLOR	425G	425K
LINE SWITCH	BK	2 OF TBI	S OF NETWORK
DIAL	W-BL	3 OF TBI	T OF NETWORK
	R		
242B AMPLIFIER	W-O	3 OF TBI	T OF NETWORK

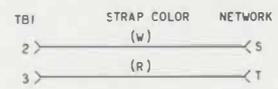


Fig. 1—2663A1 Telephone Set Connections

**TABLE B**  
**LINE AND RINGER CONNECTIONS — 2663A1 TELEPHONE SET**

WIRE OR LEAD		COLOR	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 Ring Grd A1 A		1	1	1	1	1	1	
			2	2	2	2	2	2	
			4	4	4	4	4	4	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	TB2-1	TB2-1	TB2-1	TB2-1	TB2-1	TB2-1	
		BL	*	*	*	*	*	*	
		W	*	*	*	*	*	*	
Ringer Leads		R	TB1-7	TB1-7	TB1-7	TB1-6	TB1-6	TB1-7	
		BK	TB1-6	TB1-6	TB1-6	TB1-7	TB1-7	TB1-6	
		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