

SERVICE

2565GK AND 2565GKM TELEPHONE SETS

1. GENERAL

1.01 This section provides connection information for the 2565GK and 2565GKM telephone sets..

1.02 Reissued to include information on the 2565GKM (modular) telephone sets.

2. CONNECTIONS

2.01 These sets are factory-wired for use with 1A1 or 1A2 KTS, 3-type or 4A speakerphone, and individual or common line ringer. Hold feature is not provided.

2.02 When used with 1A KTS and speakerphone, modify sets as shown in Fig. 2.

2.03 Provision is made for ringer or buzzer. When spare leads are available, both may be provided. When power failure feature is provided in the KTS, audible signal must be wired with capacitor in circuit.

2.04 If speakerphone (3-type) control unit is located near the telephone set, the mounting cord conductors can be extended to the control unit by using a 149-type adapter or 66E-type connecting block. If control unit is located at the key equipment, extend the leads through an A25B connector cable or inside wiring cable.

2.05 When a 2565GK or 2567GKM telephone set is multiplied with any other set furnishing speakerphone feature, certain control leads must

be disconnected, insulated, and stored to prevent interference with working circuits. Disconnect at the telephone set (Note 4, Fig. 1). Speakerphone connections are shown in Division 512.

2.06 Exclusion can be provided by the addition of a D-179935 Kit of Parts which must be ordered separately. Connect as shown in Table A.

2.07 Use an A20B connector cable when speakerphone and exclusion features are not provided.

2.08 When polarity guard is required with these sets, install a P-819040528 or P-90D052 guard assembly. Connect as shown in Table B.

2.09 A P-812559623 or P-25E962 terminal strip assembly is available when additional terminating points are required for auxiliary services such as buzzers, lamps, etc. Assembly must be ordered separately.

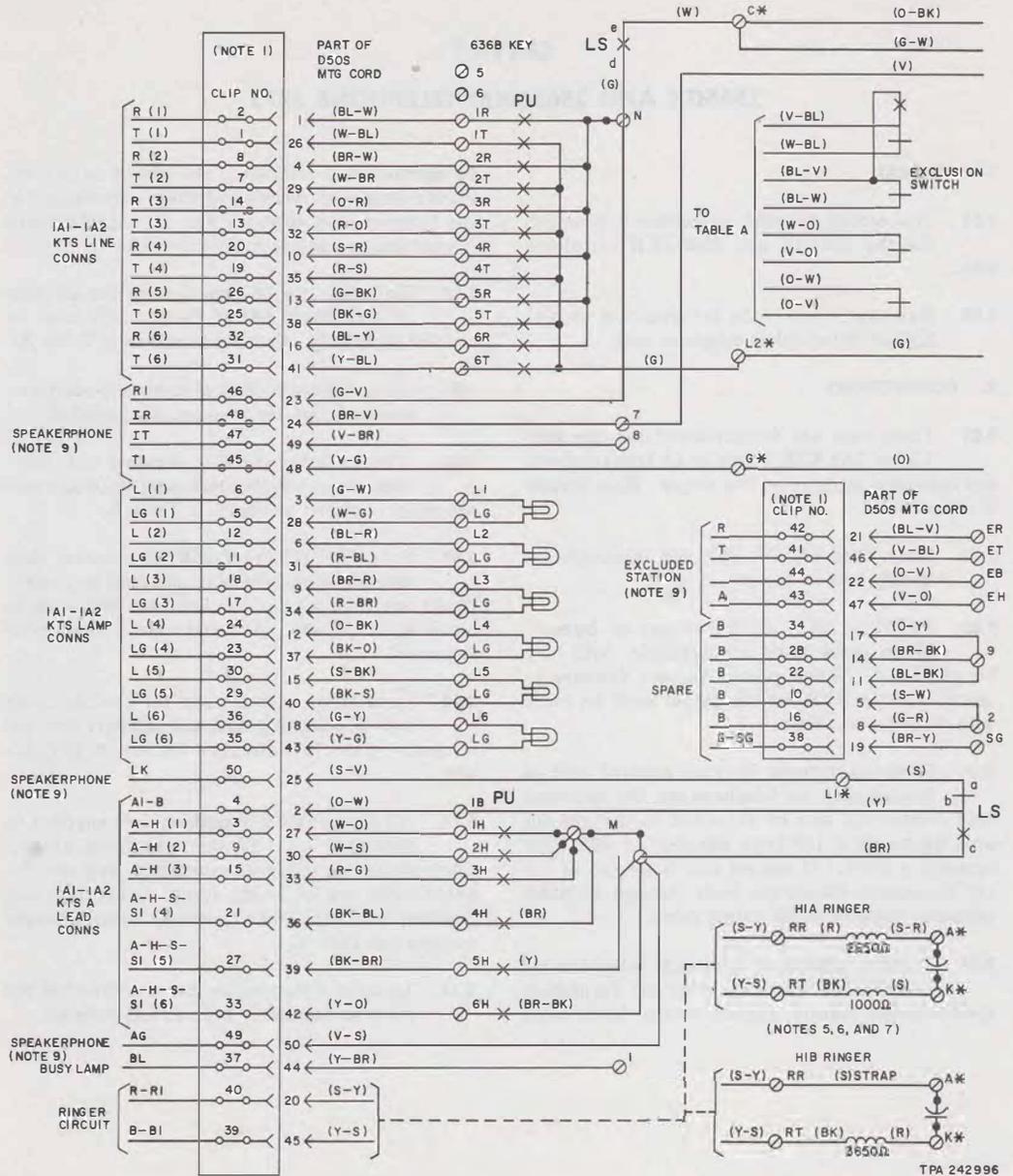
2.10 Installation instructions for the exclusion switch, polarity guard, and auxiliary terminal strip are given in Reference section in Division 502.

2.11 All convertible key positions are supplied as pickup keys. To convert from pickup (locking) to signaling (nonlocking), remove the P-811218924 or P-12A892 screw detail from key positions involved. Make necessary wiring changes as shown in Table C.

2.12 Lamp in Hold position can be furnished but must be separately ordered and installed.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement



TPA 242996

Fig. 1—2565GK or 2565GKM Telephone Set, Factory-Wired for 1A1 or 1A2 KTS and Speakerphone Connections (Sheet 1 of 3)

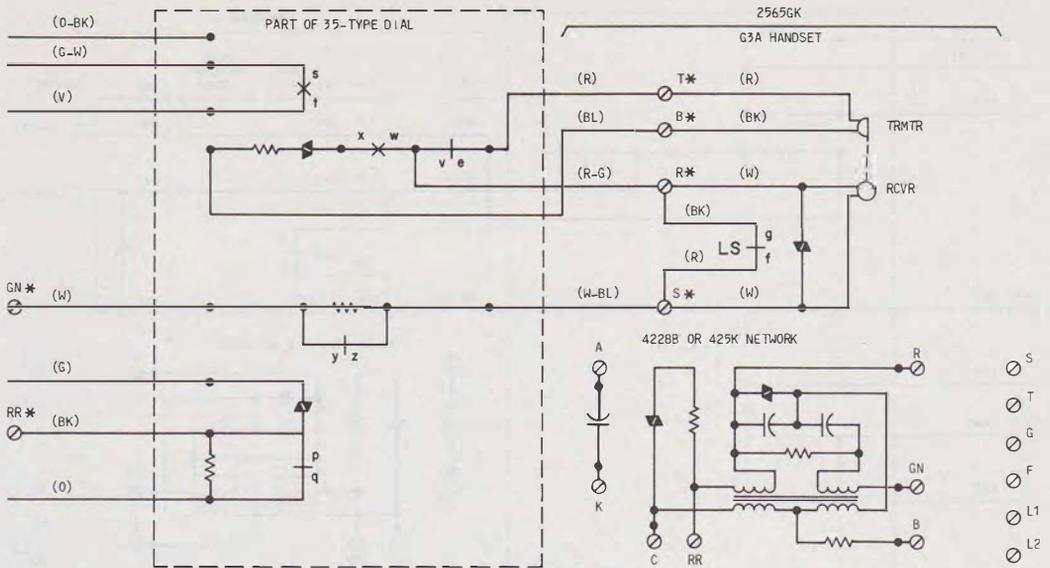
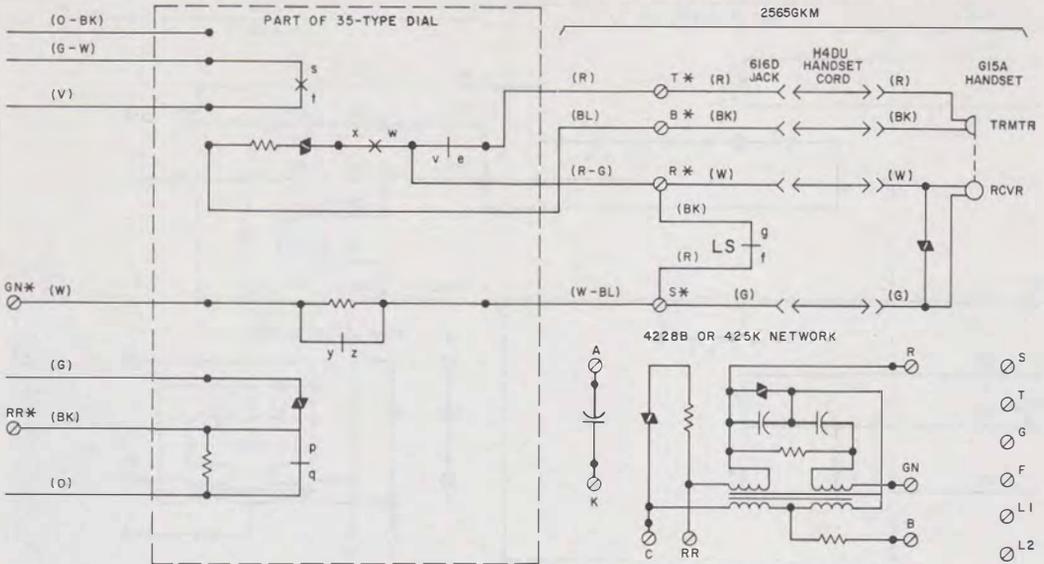


Fig. 1—2565GK or 2565GKM Telephone Set, Factory-Wired for 1A1 or 1A2 KTS and Speakerphone Connections (Sheet 2 of 3)

SECTION 502-543-403



NOTES:

1. 66E-TYPE CONNECTING BLOCK SHOWN. MOUNTING CORD MAY BE PLUGGED DIRECTLY INTO CONNECTOR CABLE. COLORS AND PIN NUMBERS FOR CONNECTOR CABLE ARE SAME AS MOUNTING CORD.
2. AUXILIARY BUZZER MAY BE INSTALLED. USE SPARE LEADS AND TERMINALS TO CONNECT TO EQUIPMENT.
3. IF EXCLUSION FEATURE IS ADDED, CONNECT SWITCH LEADS PER TABLE A.
4. DISCONNECT T1, R1, IT, IR, AG, AND LK LEADS WHEN SETS NOT EQUIPPED WITH SPEAKERPHONE ARE MULTIPLIED. DISCONNECT AT THE SET.
5. FOR BRIDGED RINGER ON ANY LINE USING HIA RINGER, CONNECT (R) RINGER LEAD TO RING AND (BK) RINGER LEAD TO TIP OF LINE INVOLVED. FOR BRIDGED RINGER ON ANY LINE USING HIB RINGER, REMOVE (S) STRAP LEAD FROM RR (KEY TERMINAL BOARD) AND CONNECT TO RING AND (BK) RINGER LEAD TO TIP OF LINE INVOLVED.
6. IF CAPACITOR IS NOT REQUIRED IN RINGER CIRCUIT, MOVE (S) RINGER LEAD TO A OF NETWORK FOR HIA RINGER AND (R) RINGER LEAD TO A OF NETWORK FOR HIB RINGER.
7. TO SILENCE RINGER PERMANENTLY INSULATE AND STORE (BK) AND (R) RINGER LEADS.
8. LINE SWITCH SEQUENCE, HANDSET REMOVED.

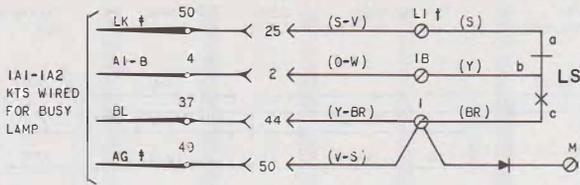
bc	MAKES FIRST
bc	MAKES BEFORE ab BREAKS
de	MAKES SECOND
fg	BREAKS LAST
9. USE AN A20B CONNECTOR CABLE WHEN SPEAKERPHONE AND EXCLUSION FEATURES ARE NOT PROVIDED.

LS - LINE SWITCH

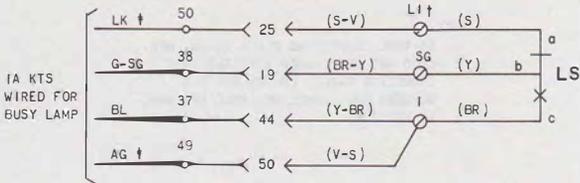
PU - PICKUP KEY

* - NETWORK TERMINALS-UNDESIGNATED TERMINALS ARE ON KEY TERMINAL BOARD.

Fig. 1—2565GK or 2565GKM Telephone Set, Factory-Wired for 1A1 or 1A2 KTS and Speakerphone Connections (Sheet 3 of 3)



MODIFICATION IA1-IA2 KTS		
LEAD	FROM	TO
(BR)	M	I
(V-S)	M	I
KS-15724LI DIODE		I TO M



MODIFICATION IA KTS		
LEAD	FROM	TO
(Y)	IB	SG
(BR)	M	I
(V-S)	M	I

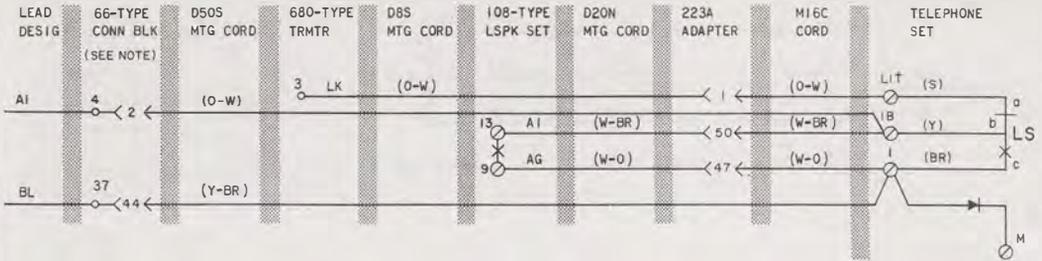
† NETWORK TERMINAL—UNDESIGNATED TERMINALS ARE ON KEY TERMINAL BOARD

‡ 3-TYPE SPEAKERPHONE LEAD

LS—LINE SWITCH

Fig. 2—Station Busy Lamp Circuit with 3-Type Speakerphone

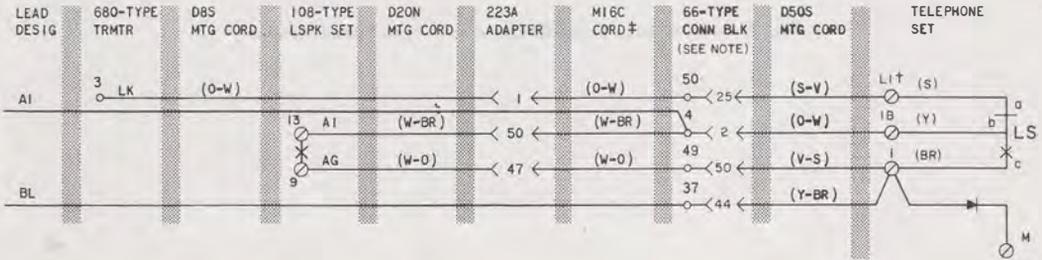
SECTION 502-543-403



MODIFICATION IA1-IA2 KTS		
LEAD	FROM	TO
(BR)	M	I
(W-0)	M	I
KS-15724LI DIODE		I TO M
(S-V)	LI†	*
(V-S)	M	*

NOTE:
66-TYPE CONNECTING BLOCK SHOWN. MTG CORD MAY BE PLUGGED DIRECTLY INTO CONNECTOR CABLE. COLORS AND PIN NUMBERS FOR CONNECTOR CABLE ARE SAME AS MTG CORD.

A. IA1-IA2 KTS WIRED FOR BUSY LAMP WITH MI6C CORD TERMINATED IN TEL SET

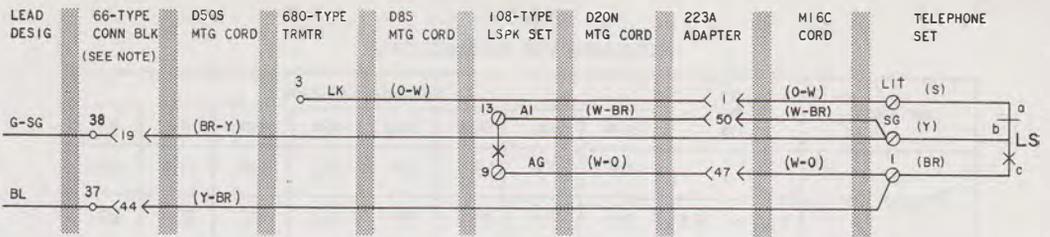


MODIFICATION IA1-IA2 KTS		
LEAD	FROM	TO
(BR)	M	I
(V-S)	M	I
KS-15724LI DIODE		I TO M

* INSULATE AND STORE
† NETWORK TERMINAL-UNDESIGNATED TERMINALS ARE ON KEY TERMINAL BOARD
‡ 161A ADAPTERS REQUIRED TO CONNECT MI6C CORD AT 66-TYPE CONN BLK
LS LINE SWITCH

B. IA1-IA2 KTS WIRED FOR BUSY LAMP WITH MI6C CORD TERMINATED AT 66-TYPE CONN BLK

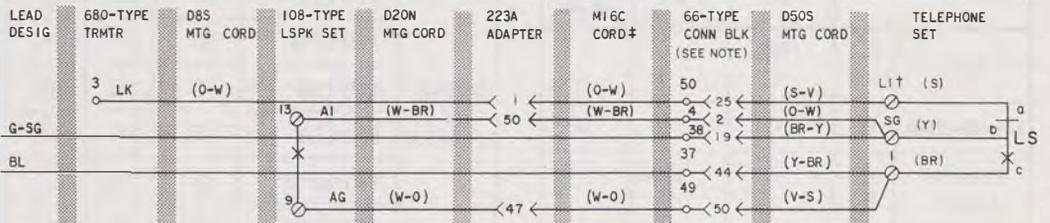
Fig. 3—Station Busy Lamp Circuit with 4A Speakerphone (Sheet 1 of 2)



MODIFICATION IA KTS		
LEAD	FROM	TO
(Y)	IB	SG
(BR)	M	I
(W-O)	M	I
(S-V)	LI †	*
(V-S)	M	*
(W-BR)	IB	SG

NOTE:
66-TYPE CONNECTING BLOCK SHOWN. MTG CORD MAY BE PLUGGED DIRECTLY INTO CONNECTOR CABLE. COLORS AND PIN NUMBERS FOR CONNECTOR CABLE ARE SAME AS MTG CORD.

A. IA KTS WIRED FOR BUSY LAMP WITH M16C CORD TERMINATED IN TEL SET



MODIFICATION IA KTS		
LEAD	FROM	TO
(Y)	IB	SG
(BR)	M	I
(V-S)	M	I
(O-W)	IB	SG

* INSULATE AND STORE
† NETWORK TERMINAL-UNDESIGNATED TERMINALS ARE ON KEY TERMINAL BOARD
‡ 161A ADAPTERS REQUIRED TO CONNECT M16C CORD AT 66-TYPE CONN BLK
LS LINE SWITCH

B. IA KTS WIRED FOR BUSY LAMP WITH M16C CORD TERMINATED AT 66-TYPE CONN BLK

Fig. 3—Station Busy Lamp Circuit with 4A Speakerphone (Sheet 2 of 2)

TABLE A
EXCLUSION KEY CONNECTIONS

EXCLUSION	KEY TEL SYS	EXCLUSION KEY LEADS							
		BL-W	W-BL	O-W	W-O	BL-V	V-BL	O-V	V-O
On any line	1A	R*	T*	1B†	H*	ER	ET	EB	EH
	1A1 or 1A2	R*	T*	EB	H*	ER	ET	EB	EH

* Terminal of line involved.

† When other than line 1 is excluded on 1A KTS, disconnect, insulate, and store O-W mounting cord conductor from terminal 1B; connect balance lead conductor from line involved to 1B.

Note: If exclusion feature is used, remove all B leads except one being used from key terminal board; insulate and store.

TABLE B
POLARITY GUARD CONNECTIONS
(819040528 OR P-90D052 GUARD ASSEMBLY)

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

TABLE C
PICKUP-SIGNAL KEY CONVERSION

KEY TEL SET	CONVERSION OPTIONS (NOTE)	636B KEY LEADS		
		(BR)	(Y)	(BR-BK)
2565GK or 2565GKM	PPPPPP	M	M	M
	PPPPPS	M	M	SG
	PPPPSS	M	SG	SG
	PPPPSSS	SG	SG	SG
	PPPPP*S*	M	6H	†
	PPPPP*P*S*	6H	6H	†

Note: To convert from pickup (locking) to signal (nonlocking), remove 811218924 or P-12A892 screw from the plunger at key position being converted.

* These arrangements use line switch controlled ground for common signal key used with private or intercommunicating lines. Common signal should be used to operate a common signal relay. Do not wire directly to a buzzer.

† Connect with the (BR) line switch lead using the terminal shown for proper option and KTS required.