

## SERVICE

### 565HK TELEPHONE SETS

#### 1. GENERAL

**1.01** This section provides connection information for the 565HK telephone set.

**1.02** This section is reissued to:

- Revise (Fig. 2) to include connector pin numbers for 1A KTS modification and 1A1-1A2 KTS
- Add (Fig. 3) station busy lamp circuit with 4A speakerphone

#### 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.

**2.02** The hold key position can be illuminated, but 51A lamp is not furnished with set.

**2.03** All convertible key positions are supplied as pickup keys. To convert from pickup (locking) to signaling (nonlocking), remove the P-12A892 screw detail from key positions involved. Make necessary wiring change as shown in Table A.

**2.04** When used with 1A KTS, modify set as shown in Fig. 2 or 3.

**2.05** Early model sets were furnished from the factory with H1A (MD) ringer, current models have H1B ringer.

**2.06** The 565HK telephone sets are factory-equipped with a KS-20419L1 (10 volt AC only) buzzer.

**2.07** A P-25E962 auxiliary terminal strip (ordered separately) is available for auxiliary services.

**2.08** A D-179935 Kit of Parts (ordered separately) can be installed in the 565HK set when the exclusion feature is required.

**2.09** When a 565HK telephone set is multiplied with sets furnishing speakerphone features, certain leads must be disconnected, insulated and stored to avoid interference with working circuits. The lead designations of leads to be removed are as follows: T1, R1, P3, P4, AG, and LK. Speakerphone connections are shown in Division 512.

**2.10** Installation of optional items such as exclusion, auxiliary terminal strips, etc., and maintenance information common to 6-button sets can be found in Section 502-500-120.

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

**TABLE A**  
**PICKUP-SIGNAL KEY CONVERSION**

KEY TEL SET	CONVERTIBLE KEY OPTIONS	KEY LEADS			
		BR	Y-BR	S-R	BR-BK
565HK	HPPPPP	M	M	M	X
	HPPPPS	M	M	M	SG
	HPPPSS	M	M	SG	X
	HPPSSS	X	M	SG	X
	HPPP*P*S*	X	M	5H	N
	HPP*P*P*S*	X	X	5H	N

\* These pickup key options are used on private or intercommunicating lines with the signal key common to each line.

**TABLE B**  
**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 to be excluded.

† 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.

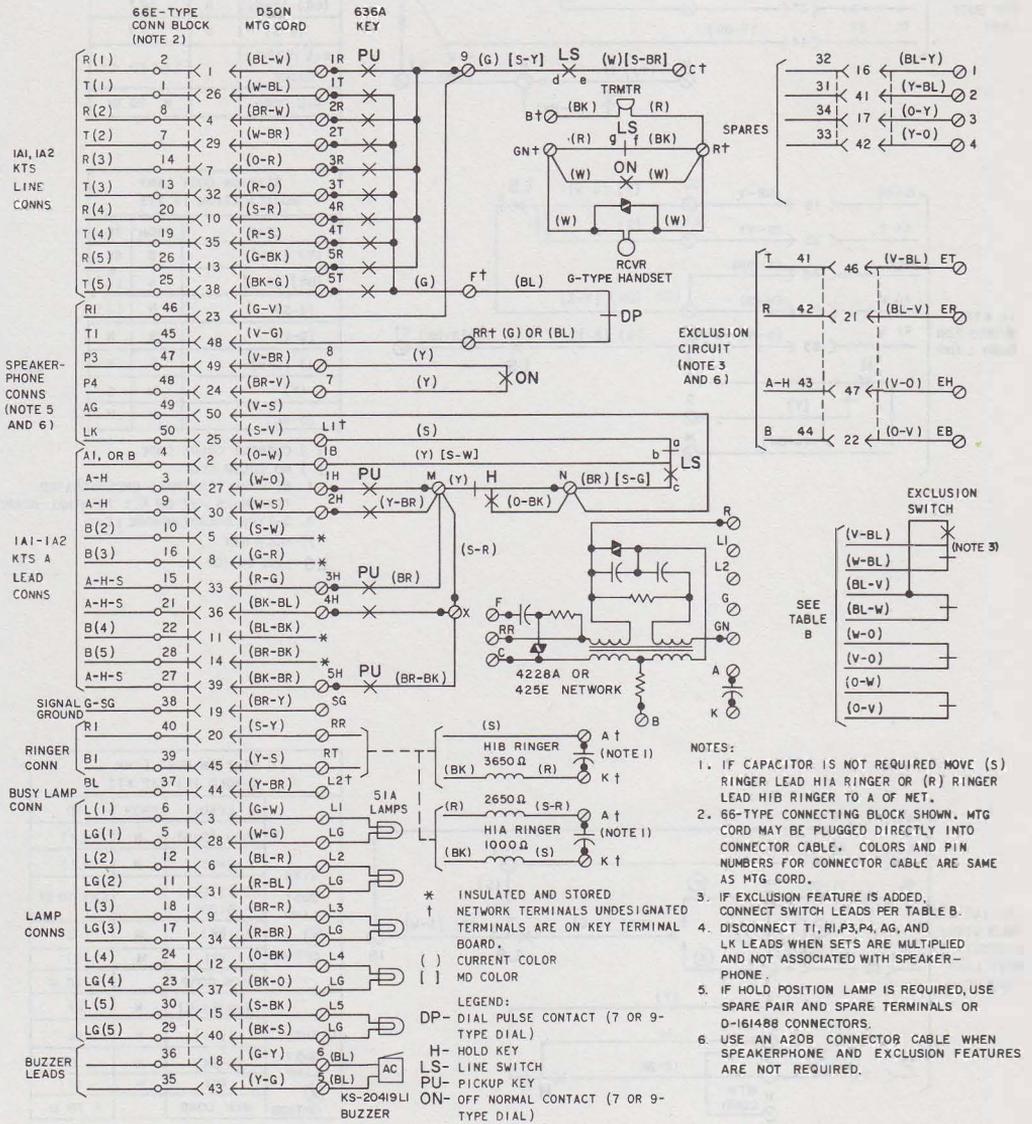
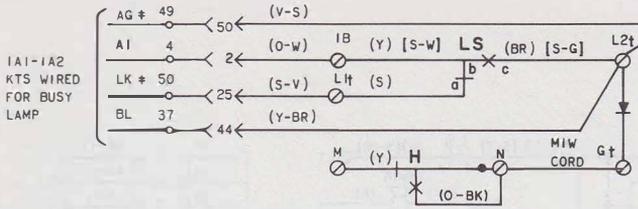
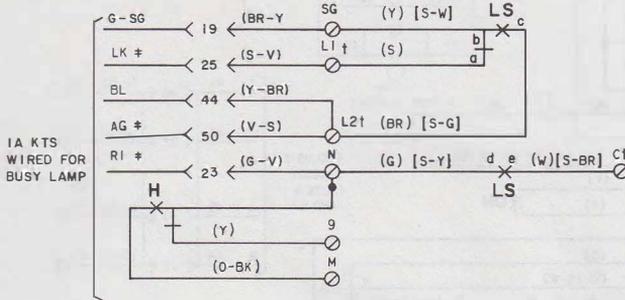


Fig. 1—565HK Telephone Set, Connections

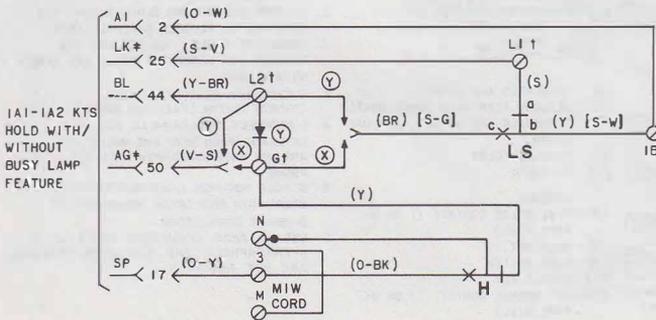


STATION BUSY LAMP MODIFICATION IA1-IA2 KTS		
LEAD	FROM	TO
(BR) [S-G]	N	L2†
(V-S)	N	L2†
K-S 15724LI DIODE		L2† TO G†
MIW CORD		N TO G†



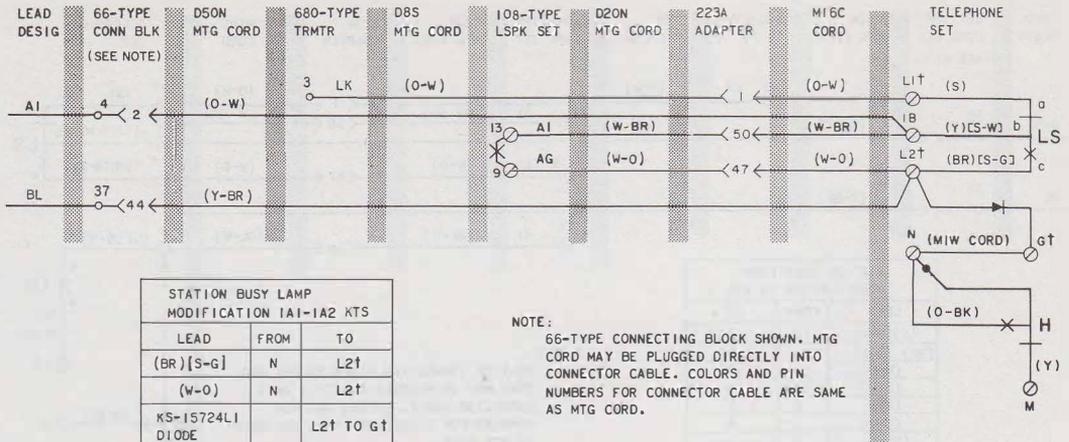
STATION BUSY LAMP MODIFICATION IA KTS		
LEAD	FROM	TO
(Y) [S-W]	IB	SG
(BR) [S-G]	N	L2†
(V-S)	N	L2†
(G-V)	9	N
(G) [S-Y]	9	N
(Y)	M	9
(O-BK)	N	M

( ) CURRENT COLOR CODE  
 [ ] MD COLOR CODE  
 † NETWORK TERMINALS-UNDESIGNATED  
 TERMINALS ARE ON KEY TERMINAL BOARD  
 \* 3-TYPE SPEAKERPHONE LEAD  
 H-HOLD KEY  
 LS-LINE SWITCH

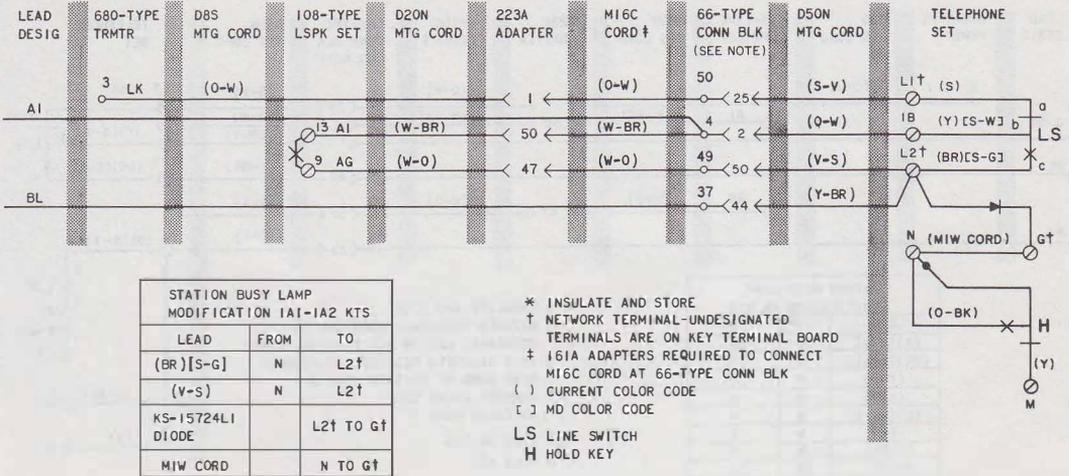


STATION BUSY LAMP I HOLD IA1-IA2 KTS			
	LEAD	FROM	TO
WITH BUSY LAMP OPTION (Y)	(BR) [S-G]	N	L2†
	(V-S)	N	L2†
	KS-15724LI DIODE		L2† TO G†
	(O-BK)	N	3
	(Y)	M	G†
	MIW CORD		N TO M
WITHOUT BUSY LAMP OPTION (X)	(BR) [S-G]	N	G†
	(V-S)	N	G†
	(O-BK)	N	3
	(Y)	M	G†
	MIW CORD		N TO M

Fig. 2—Optional Features with 3-Type Speakerphone



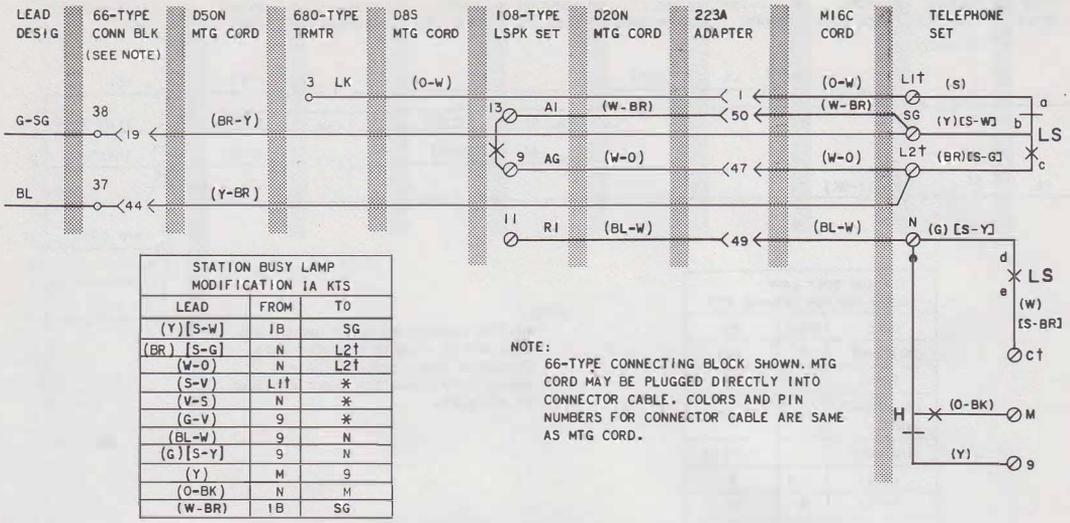
A. IA1-IA2 KTS WIRED FOR BUSY LAMP WITH M16C CORD TERMINATED IN TEL SET



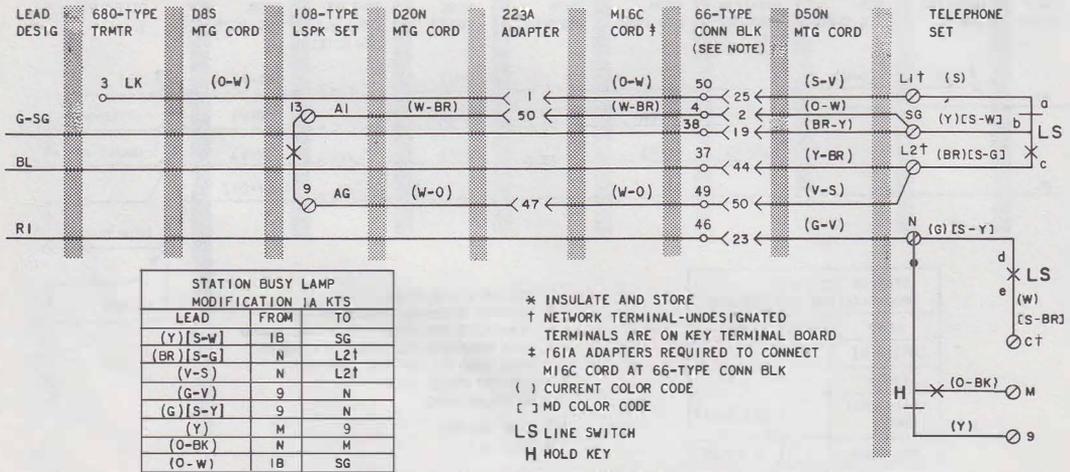
B. IA1-IA2 KTS WIRED FOR BUSY LAMP WITH M16C CORD TERMINATED AT 66-TYPE CONN BLK

Fig. 3—Optional Features with 4A Speakerphone (Sheet 1 of 3)

SECTION 502-541-415

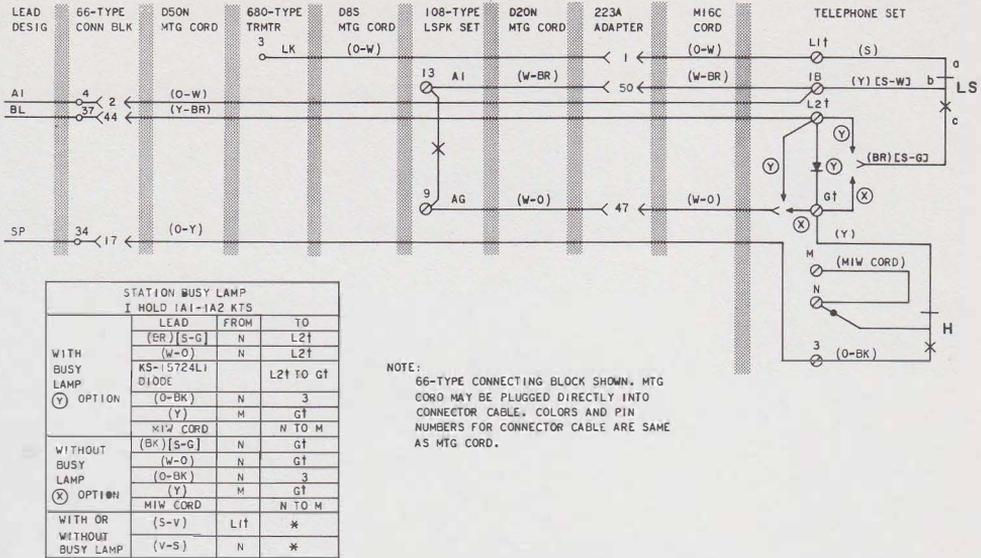


A. IA KTS WIRED FOR BUSY LAMP WITH M16C CORD TERMINATED IN TEL SET

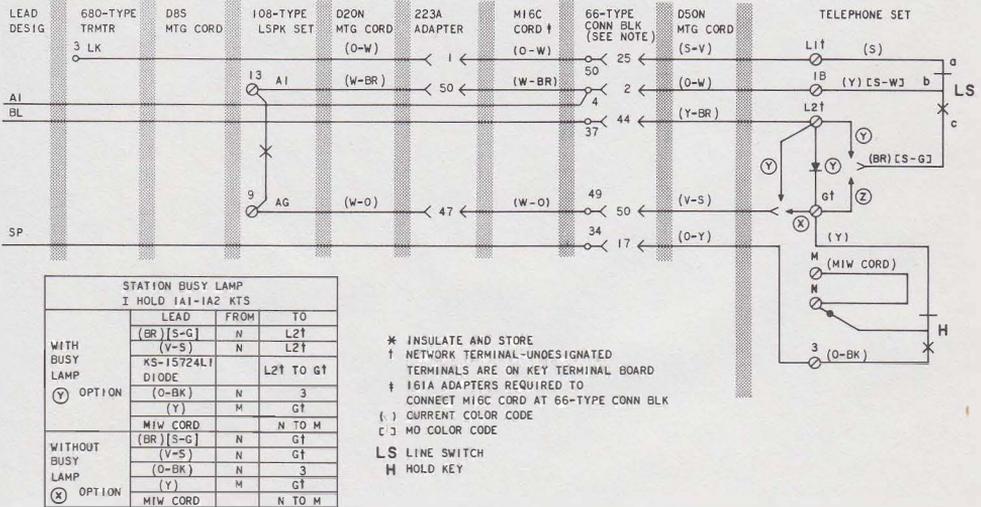


B. IA KTS WIRED FOR BUSY LAMP WITH M16C CORD TERMINATED AT 66-TYPE CONN BLK

Fig. 3—Optional Features with 4A Speakerphone (Sheet 2 of 3)



A. 1A1-1A2 KTS WIRED FOR BUSY LAMP AND I HOLD WITH M16C CORD TERMINATED IN TEL SET



B. 1A1-1A2 KTS WIRED FOR BUSY LAMP AND I HOLD WITH M16C CORD TERMINATED AT 66-TYPE CONN BLK

Fig. 3—Optional Features with 4A Speakerphone (Sheet 3 of 3)