

SERVICE

565HK TELEPHONE SET

1. GENERAL

1.01 This section provides maintenance and connection information for the 565HK telephone set previously contained in Sections 502-525-200 and 502-525-411.

2. MAINTENANCE

2.01 Maintenance of handsets, dials, and ringers is outlined in sections covering these components.

Removing and Replacing Housing

2.02 To remove housing, pull up exclusion plunger, if equipped, to its operated position, loosen captive screws in base of set, and lift housing up and toward the front of set.

2.03 To replace housing, guide lower front portion of housing over pushbuttons, align housing with base of set, and gently press housing in place.

2.04 Depress exclusion plunger. With slight pressure it should snap into its unoperated position.

2.05 Operate exclusion plunger several times to insure proper operation. Tighten captive screws in base of set.

Exclusion Switch

2.06 Perform no field maintenance on exclusion switch and plunger other than cleaning contacts with a 265C tool.

2.07 Replace set or exclusion switch assembly if any of the following exclusion switch requirements cannot be met:

- (a) Exclusion plunger should remain in the operated position when pulled up to the full extent of its stroke.

- (b) The plunger should return to the fully depressed position when handset is replaced.

- (c) With housing removed, normally closed contacts of the exclusion switch should have perceptible follow when operated manually.

- (d) With housing removed, open contacts of the exclusion switch should have minimum separation of 1/64-inch; gauge by eye.

Mounting Cords

2.08 Replace mounting cords as used with 636A key (Fig. 1) as follows:

- (1) Remove dial from its mounting bracket and lay to one side. Do not disconnect leads.
- (2) Loosen terminal screws.
- (3) Disconnect spade-tipped conductors and wafer sections.
- (4) Disengage cord stay hook from right leg of dial mounting bracket.

Note: No field maintenance should be performed on the plug of plug-ended mounting cords.

Lamps and Pushbuttons

2.09 Replace cracked pushbuttons or collars. Remove accumulated dirt or film from lamps, collars, and pushbuttons with a water dampened cloth. **DO NOT USE SOLVENTS OF ANY KIND.** If cleaning does not correct binding of pushbuttons, replace button and collar assembly.

2.10 To replace defective lamp:

- (1) Remove dial from mounting bracket and lay to one side. Leads need not be disconnected.

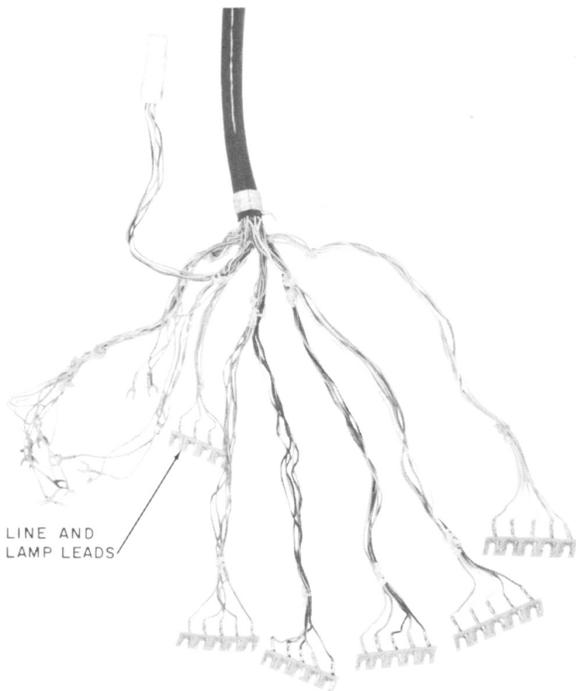


Fig. 1—Mounting Cord Used With 636A Key

- (2) Lift lamp from socket with KS-6320 orange stick.
- (3) Align lamp contact surfaces when placing new lamp in socket.
- (4) Remount dial.

2.11 The button and collar assembly should be carefully aligned to avoid interference with removal or replacement of housing.

636-Type Key

2.12 Field maintenance of the 636A key (Fig. 2 and 3) is limited to cleaning the contacts with a 265C tool.

2.13 Contact follow and separation is obtained by using a 363 tool at a point adjacent to contact spring pile-up (Fig. 2). When adjusting springs:

- (a) There should be a minimum spring clearance of 1/64-inch between contact springs and

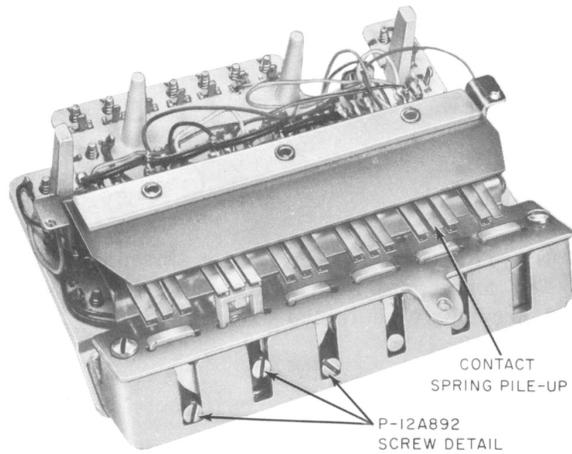


Fig. 2—636A Key, Bottom View

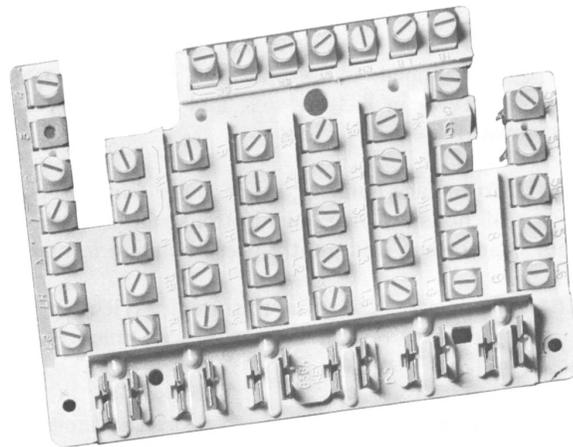


Fig. 3—636A Key, Top View

those parts of key which do not make contact with springs.

- (b) Normally open contacts should make with perceptible follow on locking keys before key plunger assumes locked position.

2.14 Replace set if the following requirements cannot be met:

- (a) When depressed locking plunger should, on its downstroke, release any previously locked plunger.

- (b) When any pushbutton plunger is released from its operated position, it should return with a snap to its nonoperated position.
- (c) An operated key plunger should not release during downstroke of hold button.
- (d) An operated key plunger should release from its operated position on the upstroke of the hold button.

3. CONNECTIONS

3.01 A P-25E962 auxiliary terminal strip is available for auxiliary services such as buzzers, lamps, etc. It must be ordered separately.

3.02 A D-179935 Kit of Parts can be installed in the 565HK set when the exclusion feature is required. It must be ordered separately.

3.03 The hold key position can be illuminated, but lamp is not furnished with set.

3.04 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.

**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
	HPPSSS	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
CONNECTIONS FOR LINE EXCLUSION KEY**

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

* Terminal of line involved.

† When other than line 1 is excluded, remove (O-W) mounting cord conductor from terminal 1B; insulate and store. Connect balance lead cord conductor of line involved to terminal 1B.

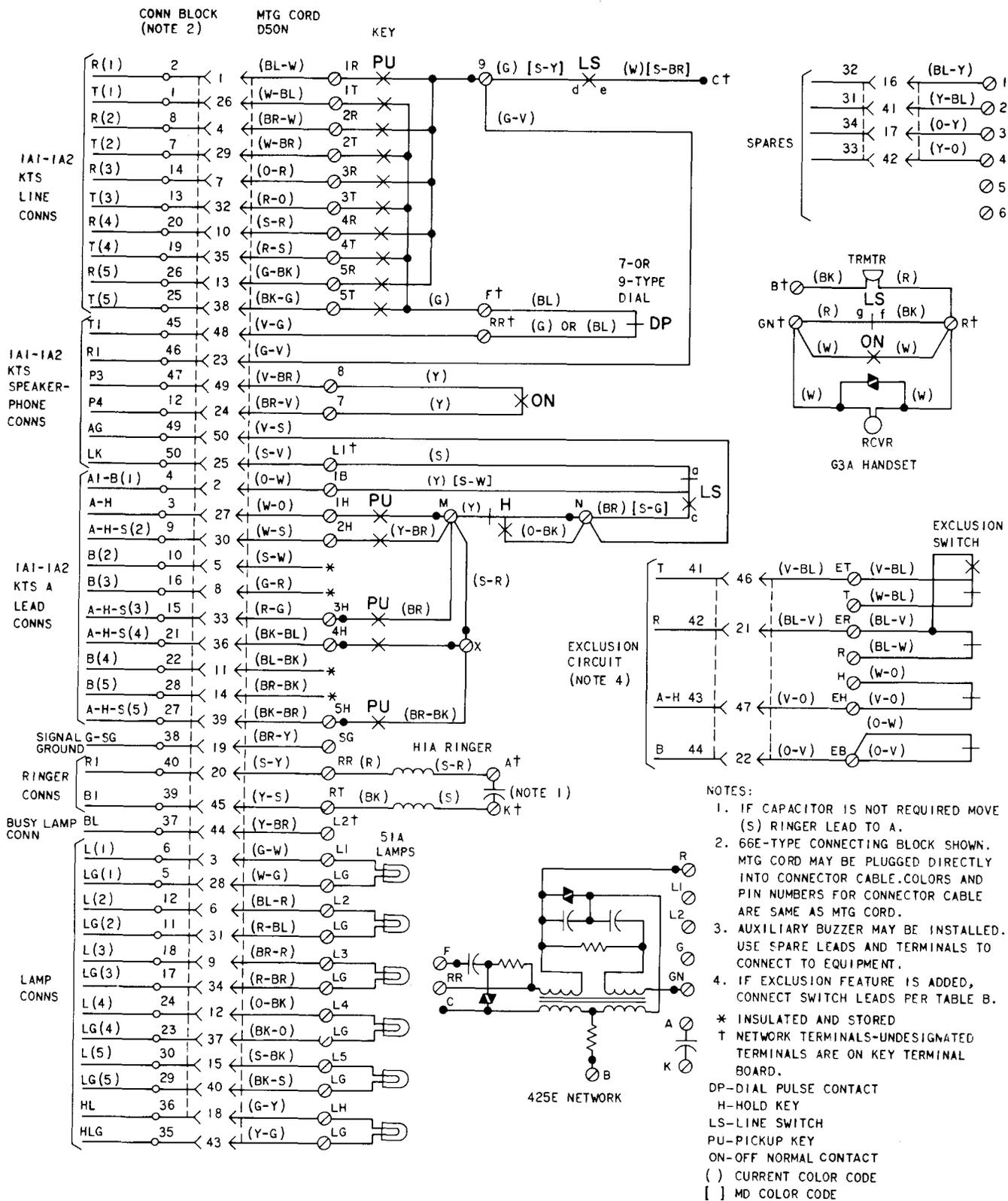


Fig. 4—565HK Telephone Set, Connections

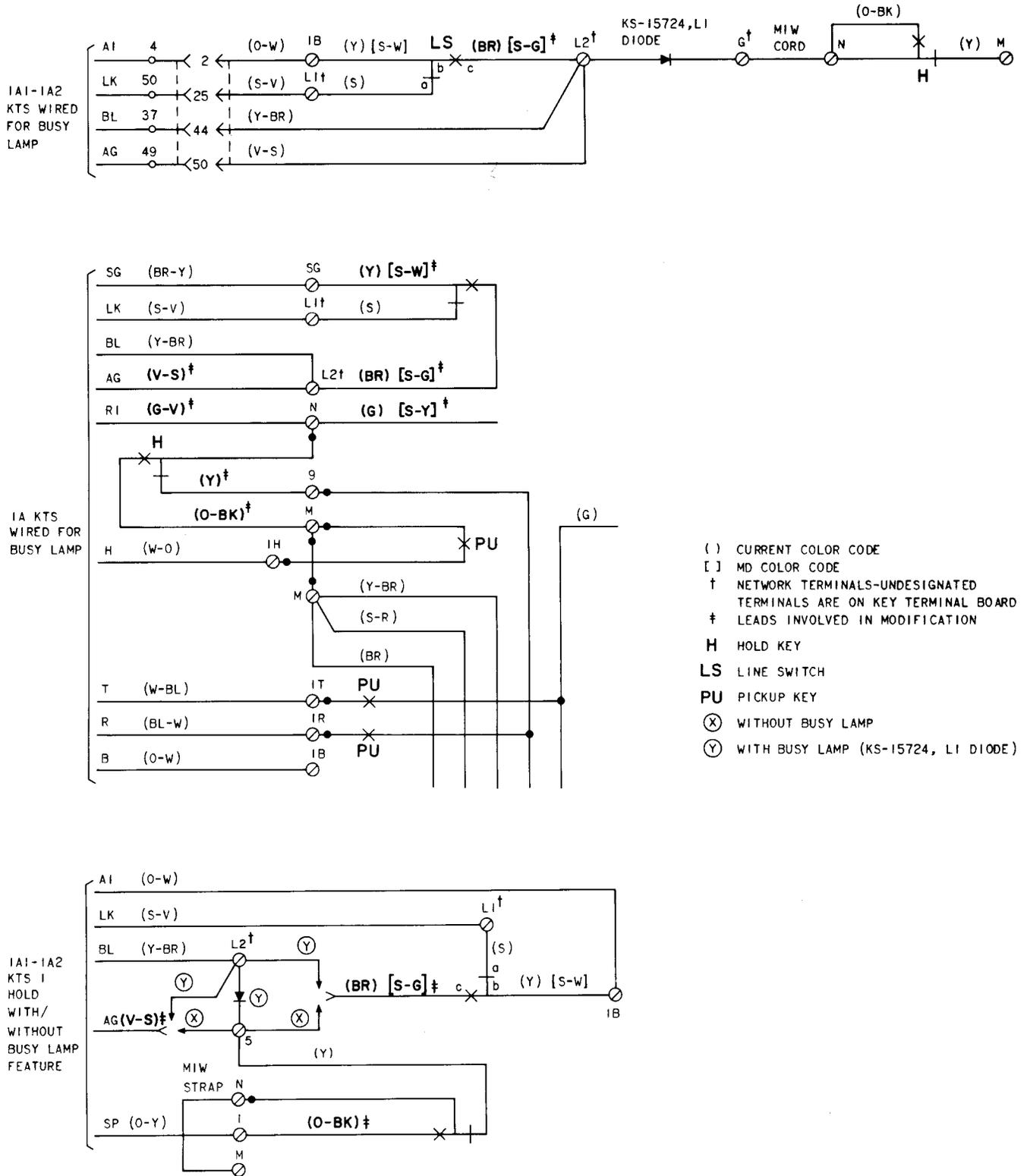


Fig. 5—Optional Features for 565HK Telephone Set