

TELEPHONE SETS—563HB

CONNECTIONS

1. GENERAL

1.01 This section is reissued to show new colors of switchhook leads.

1.02 The 563HB telephone set is equipped with a D50N cord which is a 50-conductor plug-ended cord using even-count color code.

1.03 The 6-button 563HB telephone set is similar to a 565-type telephone set with major changes to accommodate headset or handset operation.

1.04 The 563HB set is equipped with:

- (a) Five line keys, three of which are convertible to signal keys.
- (b) A 241A amplifier used in conjunction with the headset transmitter.
- (c) A 637A key for switching between headset and handset, and to provide flash function for operator recall.

1.05 This set has a single gong N1A ringer with an external volume control. Mounting is provided, but set is not equipped with a KS-8109 buzzer. Order buzzer separately when required.

1.06 The ringer may be connected to any pickup line if desired. The KS-8109 buzzer may be connected to the RR and RT terminals.

1.07 Individual lamp and lamp ground terminals are provided as part of the 636A key in this set.

1.08 Line leads terminate in wafer sections. Terminals of the 636A key are arranged so that lines to pickup buttons can be readily interchanged.

1.09 The 563HB telephone set is furnished wired for 1A1 and 1A2 key systems (Fig. 1).

1.10 The 563HB telephone set is equipped with a G-type hand set and a 425B or E network. The handset may be replaced by a handset containing an amplifier. These include the G6AR hand set for impaired hearing or the G7AR for impaired speech. A G8A hand set may be used in noisy locations.

TABLE A
STATION BUSY SIGNAL CONNECTIONS

Option	Key Tel Sys	Switchhook Lead	Headset Key Lead	M1W Cord	KS-15724, L1 Diode 
		S-G	BR		
With station busy lamp	1A1 or 1A2	L2*	L2*	G* to N	G* to L2*
Without station busy lamp	1A1 or 1A2	6	6		

* Terminals on network.

TABLE B
PICKUP SIGNAL KEY CONVERSION

Key Tel Set	Convertible Key Options	Key Leads			
		BR	Y-BR	S-BR	BK-BR
563HB	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	SG
	HPP*P*P*S*	X	X	5H	SG

* See Notes 3, 4, and 5.

TABLE C
RINGER OR BUZZER CONNECTIONS

Option		Leads					
		Ringer				KS-8109 Buzzer	
		R	BK	S	S-R	R	BK
Bridged ringer on any line		K†	T*	†	†		
Common or private line	With capacitor	K†	RT	†	†		
Ringer or buzzer (Notes 1 and 2)	Without capacitor	RR	RT	†	†	RR	RT
Ringer permanently silenced		K	K	†	†		

Note 1: Connect ringer without capacitor on all common, private, or intercommunicating lines unless otherwise specified.**Note 2:** Ringer leads are factory wired to RR and RT terminals.**Note 3:** Refer to section covering 540- and 560-type telephone sets, identification and assembly of parts, for mechanical conversion of keys.**Note 4:** When using convertible keys for signaling, use S lead of keys involved for signal circuit and G lead for common signal ground.**Note 5:** These pickup key options are used on private or intercommunicating lines with the signal key common to each line. The signal key operates the signal circuit of each line when the associated pickup key is depressed. Use S lead on 2nd, 3rd, or 4th pickup key as required, and G lead for common signal ground.

* Terminal of line involved.

† Insulated and stored.

‡ Strap A terminal of network to R of line or to RR terminal as required.

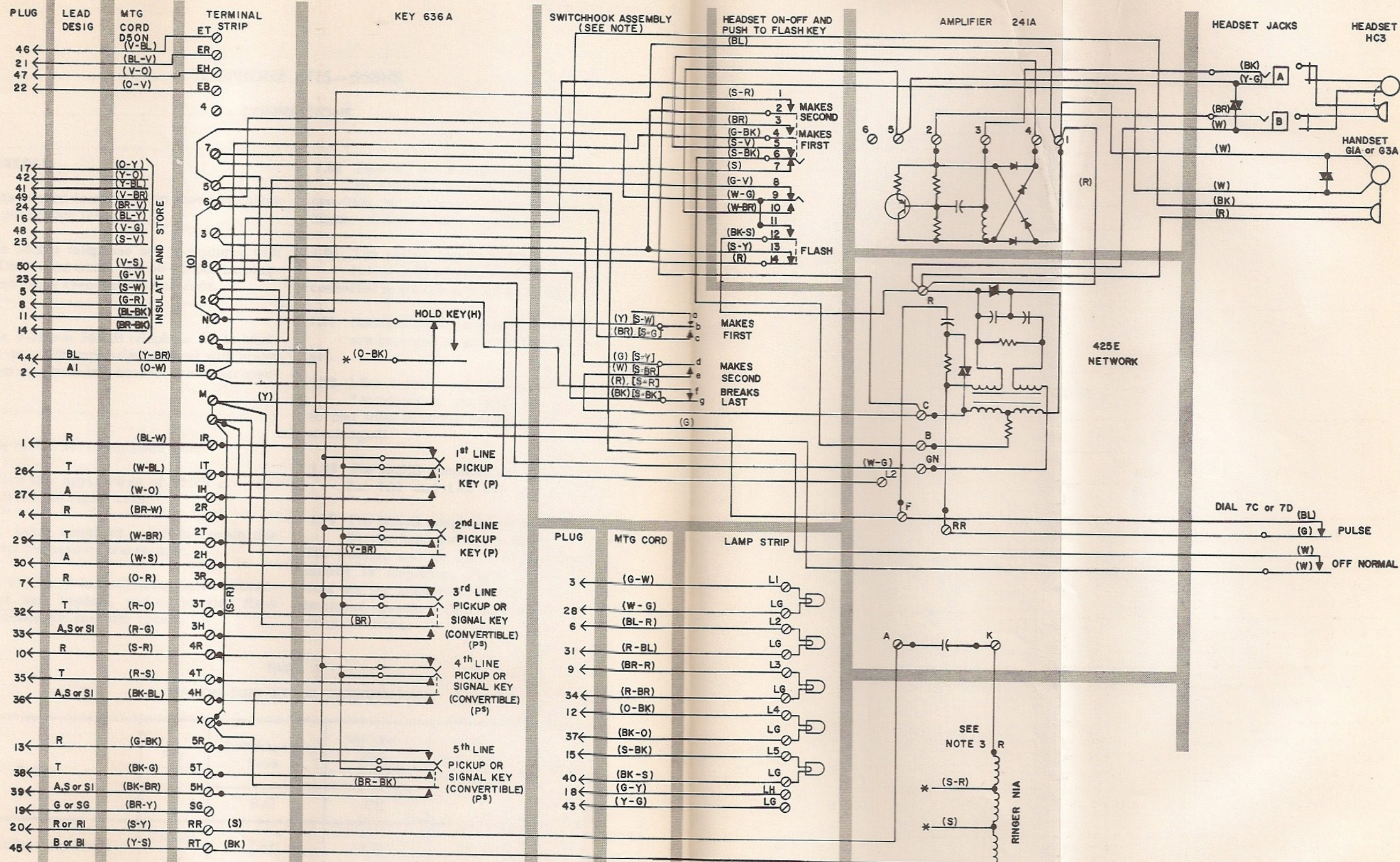


Fig. 1 - 563HB Telephone Set, Connections