KEY TELEPHONE SETS

565LDR

COMMON BATTERY - CONNECTIONS

1.00 GENERAL

- 1.01 The 6-button 565LDR telephone set is equivalent to 565LBR telephone set but is equipped with a plug-ended mounting cord. Mounting cord is a D50D, 50-conductor, plug-ended cord using even count color code. It is provided in standard 5-foot 6-inch length.
- 1.02 In addition to the service features of 565LDR set, auxiliary services such as externally mounted buzzers, lamps, keys, etc, can be connected from the set by means of an auxiliary cord. The cords to be used are:

549B Key	D6AD Cord
549D Key	D10L Cord
1Al Speakerphone	D10L Cord
3A Speakerphone	D10L Cord

These cords are provided in 5-foot 6-inch length and are available in standard colors. Other standard cords may be employed as needed for 15- and 21-type lamp indicators, external ringers, and external buzzers.

- 1.03 The 565LDR is equipped with four line keys (one of which is convertible to a signal key), a hold key, a cutoff key, an exclusion switch, and connections for speakerphone use.
- 1.04 This set has a single-gong H1A ringer and is arranged to mount a KS-8109 buzzer. The necessary hard-ware for mounting buzzer is provided as part of the ringer. Buzzer must be ordered separately when required.
- 1.05 An auxiliary terminal strip composed of six double terminals is mounted in a vertical position at the left of switch assembly and provides facilities for auxiliary cord connections.

- 1.06 Lamp strip is designed to connect paired lamp and lamp ground leads. Facilities are provided for a lamp in the hold key position but the lamp is not part of the equipment.
- 1.07 Conductors required for connecting to speakerphone control unit are available at both ends of mounting cord. These leads may be extended to control unit at the plug end by using a 148A or 149A adapter or with the A25B connector cable. Where an additional mounting cord is not objectionable, leads may be extended from within telephone set to control unit by means of an auxiliary c ord.
- 1.08 Cord tip insulators on 148A adapter must be removed to terminate conductors.



Do not pull insulator off with longnose pliers. Insulators must be cut off with electricans' scissors or diagonal pliers to prevent breaking conductors or stripping off cord tips.

- 1.09 This section is reissued to:
 - Change switch assembly in Fig. 2.
 - Renumber the Notes in Fig. 2.
 - Add references to 149A adapter and D6AD and D10L cords.
 - Add 1.08.
- 1.10 Due to extensive changes marginal arrows have been omitted.

2.00 CONNECTIONS

The 565LDR set is furnished wired for 1A1 key systems. These sets

have the red and black ringer leads wired to terminals RR and RT, respectively. Telephone sets wired with the black and red ringer leads on the RR and RT ter-

minals will have a plus (+) sign after the code number on base of set. Conversion tables used in conjunction with Fig. 1 and 2 are for various rearrangements.

TABLE A

LINE EXCLUSION

Exclusion	Key Tel	Exc	lusion	Key Lead	ls
	Sys	R-Y	G-Y	BR-R	BK-W
On Any	1A	R*	T*	1B†	H*
Line	1A1	R*	T*	EB	H*

^{*} Terminal of line involved.

TABLE B

CUTOFF OF RINGER OR BUZZER IN SET (R and RR terminals on terminal strip)

	Leads								
Cutoff			Ringer					Cutof	f Key
		R	вк	S	S-R	R	вк	R-W	G-W
Of Bridged Rin on Any Line	iger	CR	СТ	K	A			R*	T*
Of Common With or Private Cap.		CR	СТ	K	A			RR	RT
Line Ringer or Buzzer (See Note 2) With- out Cap.	CR	СТ	A	A	CR	СТ	RR	RT	
Of Bridged Lin Ringer When with First Fe on Table C	Used	XR	хт	K	A			R*	T*

^{*} Terminal of line involved.

[†] See Note 8.

HAND SET GIA OR G3A TYPE

(SEE NOTE 9)

TABLE C
CUTOFF OF EXTERNAL CIRCUITS

Cutoff	Cutoff Key Leads			
0 400-12	R-W	G-W		
Of Ring and Tip of Any Line	R*	T*		
Of Head Receiver Used as Listening-In Set	R†	GN†		
Of Controlled 1A1 Key Tel Sys Sta	СТ	хт		

^{*} Terminal of line involved.

TABLE D

1A AND 1A1 CONVERSION
(R terminal on terminal strip)

_			Leads MIW Co				MlW Cord	Diode		
Sta Bsy Lp	Key Tel	Switch		Hold Key		Hold Key			KS-15724, L1	
Ckt	Sys	S-W	S-G	S-Y	Y	Y-BK) ————C	 		
	1A	1B	1B	N	R.	М				
No	1A1	1B	N	R	М	N				
	1A	SG	L2	N	R	M				
Yes	1A1	1B	L2	R	М	N	G to N	G to L2		

TABLE E
PICKUP SIGNAL KEY CONVERSION
(See Notes 5 and 6)

· · · · · · · · · · · · · · · · · · ·	
Convertible Key Options	Key Lead S-BR
НРРРРС	M
HPPPSC	SG

TABLE F
RINGER OR BUZZER CONNECTIONS
(RR terminal on terminal strip)

		Leads							
Option				Buzzer					
	R	вк	S	S-R	R	вк			
Bridged Ring on Any Line		R*	Т*	K	A				
Common or Private Line With		RR	RT	ĸ	A				
Ringer or Buzzer (See Note 2)	Without Capacitor	RR	RT	A	A	RR	RT		
Ringer Permanently Silenced		A	К	К	A.				

^{*} Terminal of line involved.

TABLE G

CUTOFF OF SET RINGER OR BUZZER BY EXCLUSION KEY

(RR terminal on terminal strip)

*****			Leads								
Cutoff		Ringer				Buzzer		Exclusion Key			
		R	ВK	s	S-R	R	BK	R-Y	G-Y	BR-R	BK-W
Bridged Ring on Any Line		ER	ET	к	A			R*	Т*	EB	EH
Common or Private Line	With Capacitor	ER	ET	к	A			RR	RT	EB	EH
Ringer or Buzzer (See Note 2)	Without Capacitor	ER	ET	A	A	ER	ET	RR	RT	EB	ЕН

^{*} Terminal of line involved.

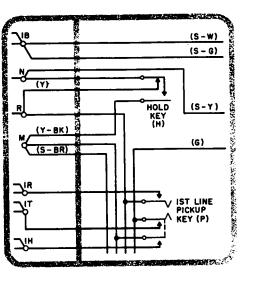
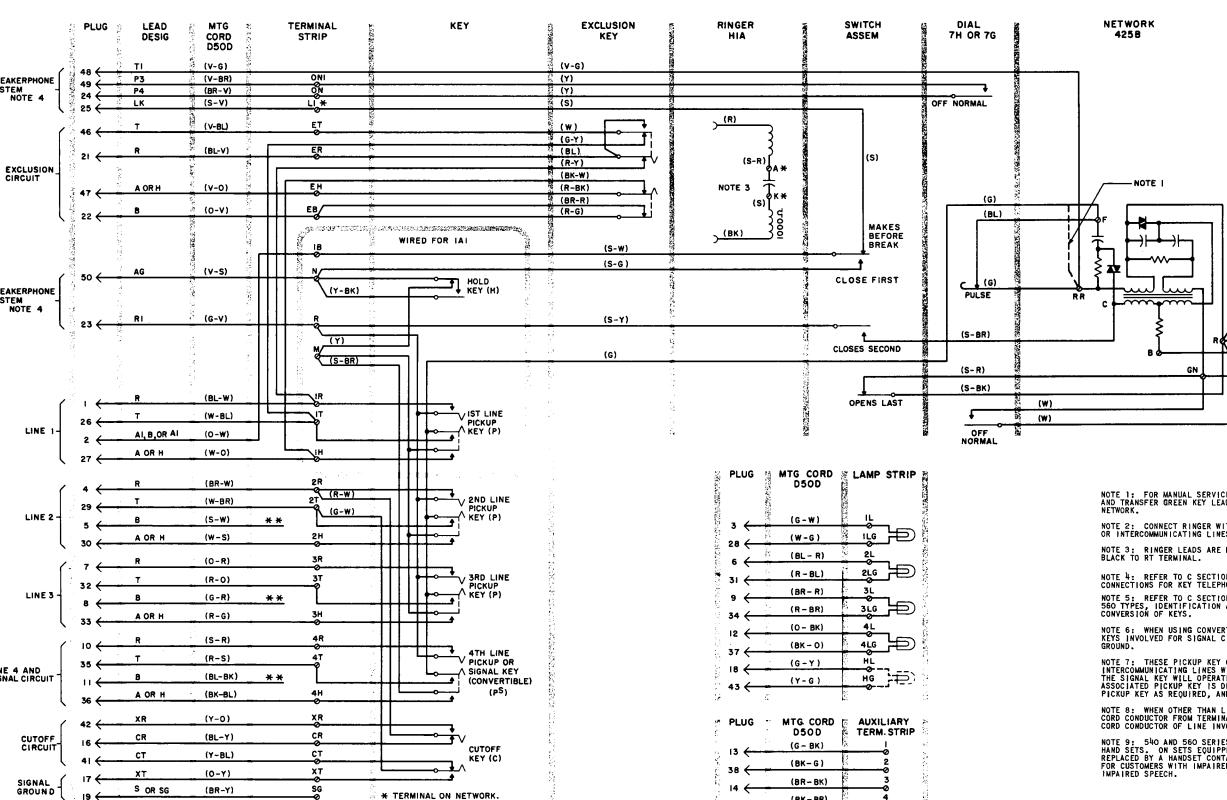


Fig. 1 - Wired for 1A Key System



* * LEADS ARE INDIVIDUALLY TAPED AND STORED UNDER TERMINAL STRIP.

39 (BK−BR)

15 (S-BK)

S65LDR HPPPP®C LAMPS,STATION BUSY LAMP CIRCUIT EXCLUSION AND SPEAKERPHONE FEATURE NOTE 1: FOR MANUAL SERVICE, REPLACE DIAL WITH APPARATUS BLANK AND TRANSFER GREEN KEY LEAD FROM F TERMINAL TO RR TERMINAL ON NETWORK.

NOTE 2: CONNECT RINGER WITHOUT CAPACITOR ON ALL COMMON, PRIVATE, OR INTERCOMMUNICATING LIMES, UNLESS OTHERWISE SPECIFIED.

NOTE 3: RINGER LEADS ARE FACTORY WIRED: RED TO RR TERMINAL, BLACK TO RT TERMINAL.

NOTE 4: REFER TO C SECTION COVERING SPEAKERPHONE SYSTEM CONNECTIONS FOR KEY TELEPHONE SET CONNECTIONS.

NOTE 5: REFER TO C SECTION COVERING TELEPHONE SETS 540.

NOTE 5: REFER TO C SECTION COVERING TELEPHONE SETS 540, 560 TYPES, IDENTIFICATION AND ASSEMBLY OF PARTS FOR MECHANICAL CONVERSION OF KEYS.

NOTE 6: WHEN USING CONVERTIBLE KEYS FOR SIGNALING, USE S LEAD OF KEYS INVOLVED FOR SIGNAL CIRCUIT AND G LEAD FOR COMMON SIGNAL GROUND.

TE 7: THESE PICKUP KEY OPTIONS ARE USED ON PRIVATE OR TERCOMMUNICATING LINES WITH THE SIGNAL KEY COMMON TO EACH LINE. E SIGNAL KEY WILL OPERATE THE SIGNAL CIRCUIT OF EACH LINE WHEN SOCIATED PICKUP KEY IS DEPRESSED. USE S LEAD ON 2ND, 3RD, OR 4

OTE 8: WHEN OTHER THAN LINE 1 IS EXCLUDED, REMOVE O-W MOUNTING ORD CONDUCTOR FROM TERMINAL 1B; TAPE AND STORE. CONNECT BALANCE ! ORD CONDUCTOR OF LINE INVOLVED TO TERMINAL 1B.

NOTE 9: 540 AND 560 SERIES TELEPHONE SETS ARE EQUIPPED WITH G-TYPE HAND SETS. ON SETS EQUIPPED WITH A 4258 NETWORK, THE HANDSET MAY BE REPLACED BY A HANDSET CONTAINING AN AMPLIFIER SUCH AS THE GEAR HAND SET FOR CUSTOMERS WITH IMPAIRED HEARING OR THE G7AR FOR CUSTOMERS WITH IMPAIRED SPEECH.

Fig. 2 - 565LDR Key Telephone Set

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[†] Terminal on network.