

## TELEPHONE SETS — 565GK CONNECTIONS

### 1. GENERAL

**1.01** The 6 button 565GK telephone is intended for use in the 1A1, 1A2 and 6A key telephone systems (SD-69520-01); it is not equipped to provide the line hold feature. The set may be used in the 1A key telephone system but internal connections must be changed.

This set is also used in:

- Group Alerting System (SD-69385-01).
- 8A Telephone Answering System SD-95293-01 .
- 100A Telephone Answering System.
- 756-type P. B. X.
- 3-type Speakerphone System.

**1.02** This section is reissued to:

- Revise Tables A, B, and E.
- Revise Fig. 1, 2, and 3 and delete Fig. 4.
- Combine information from Table H with Table G and delete Table H.
- Show current and Manufacture Discontinued (MD) codes.

Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

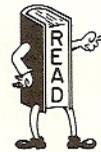
**1.03** These sets are for use in place of the 565GB-type telephone sets which are rated (MD). For use in Group Alerting System, refer to SD-69385-01.

**1.04** These sets are available in the following colors: (Refer to Section 500-120-100 for promoted and nonpromoted colors.)

Black	(-3)	Rose Pink	(-59)
Green	(-51)	Light Beige	(-60)
Yellow	(-56)	Light Gray	(-61)
White	(-58)	Aqua Blue	(-62)
		Turquoise	(-64)

**1.05** A 3A speakerphone system can be used with the 565GK telephone set. If speakerphone control unit is located near the telephone set, the mounting cord conductors can be extended to the control unit by using a 148B or 149A adapter. If control unit is located at the key equipment, extend leads through an A25B connector cable.

**1.06** Cord tip insulators on the 148B adapter must be removed to terminate conductors.



*Do not pull insulators off with long-nose pliers. Cut insulators off with electrician scissors or diagonal pliers to prevent breaking conductors or stripping off cord tips.*

### 2. OPTIONAL EQUIPMENT

**2.01** A P-25E962 auxiliary terminal strip is available for auxiliary services such as buzzers, lamps, etc. It must be ordered separately. See appropriate section for installation of terminal strip.

**2.02** A D-179935 Kit of Parts can be installed in the 565GK set when the exclusion feature is required. It must be ordered separately. For installation information, see appropriate installation section.

**SECTION 502-525-409**

**2.03** The 565GK telephone set is factory wired for use with 1A1 or 1A2 key telephone systems. For 1A key telephone systems make internal wiring changes as shown in Table A and Fig. 2.

**2.04** The red and black ringer leads are factory wired to terminals RR and RT. The ringer can be connected with several options.

**3. CONNECTION INDEX**

Fig. 1 — 565GK Telephone Set, Connections

Fig. 2 — Set Wired for 1A Key Telephone System

Fig. 3 — Buzzer Connections

Table A — 1A, 1A1, and 1A2 Conversion

Table B — Pickup — Signal Key Conversion

Table C — Ringer or Buzzer Connections

Table D — Ringer or Buzzer Cutoff by Exclusion Key

Table E — Connections for Line Exclusion Key

Table F — Procedure for Disconnecting Speakerphone Features

Table G — Conductor Assignment Using 66E-Type Connecting Block or A25B Connector Cable

1.03 A 5A speakerphone system can be used with the 565GK telephone set. If speakerphone control unit is located near the telephone set, the mounting cord conductor can be extended to the control unit by using a 148B or 149A adapter. If control unit is located at the key equipment, extend leads through an A25B connector cable.

1.06 Cord tip location on the 148B adapter must be moved to terminate conductors.

Do not pull conductors off with long nose pliers. Cut conductors off with electrician's sidecutters or diagonal pliers to prevent breaking conductors by stripping off cord tape.



**1. OPTIONAL EQUIPMENT**

2.01 A P-565B2 auxiliary terminal strip is available for auxiliary services such as buzzer, lamp, etc. It must be ordered separately. See appropriate section for installation of terminal strip.

2.02 A D-148B2 KE of Parts can be installed in the 565GK set when the exclusion feature is required. It must be ordered separately. For installation information see appropriate installation section.

**TABLE A**  
**1A, 1A1, AND 1A2 CONVERSION**

STA BSY LP CKT	KEY TEL SYS	SWITCH HOOK LEADS		MTG CORD V-S	M1W CORD	DIODE KS-15724, L1
		(Y) [S-W]	(BR) [S-G]			
No	1A	SG	SG	L2		
	1A1 or 1A2	1B	M	M		
Yes	1A	SG	L2	L2		
	1A1 or 1A2	1B	L2	M	G to M	G to L2

( ) Indicates current manufacture code  
[ ] Indicates (MD) code.

**TABLE B**  
**PICKUP-SIGNAL KEY CONVERSION**

KEY TEL SET	CONVERTIBLE KEY OPTIONS*	KEY LEADS		
		BR	(Y) [Y-BR]	BR-BK
565GK	PPPPPP	M	M	M
	PPPPPS	M	M	SG
	PPPPSS	M	SG	SG
	PPSSSS	SG	SG	SG

\* See Note 4 and 5, Fig. 1  
( ) Indicates current manufacture code  
[ ] Indicates (MD) code

**TABLE C**  
**RINGER OR BUZZER CONNECTIONS**

OPTION		LEADS					
		RINGER				BUZZER	
		R	BK	S	S-R	R	BK
Bridged ringer on any line		R*	T*	K	A		
Common or private line ringer or buzzer See Note 2, Fig. 1	With capacitor	RR†	RT	K	A		
	Without capacitor	RR†	RT	A	A	RR	RT
Ringer permanently silenced		A	K	K	A		

\* Terminal of line involved.  
† RR terminal on terminal strip.

TABLE D

## RINGER OR BUZZER CUTOFF BY EXCLUSION KEY

CUTOFF		LEADS									
		RINGER				BUZZER		EXCLUSION KEY			
		R	BK	S	S-R	R	BK	BL-W	W-BL	O-W	W-O
Bridged ringer on any line		ER	ET	K	A			R*	T*	EB	EH
Common or private line ringer or buzzer	With capacitor	ER	ET	K	A			RR†	RT	EB	EH
	Without capacitor	ER	ET	A	A	ER	ET	RR†	RT	EB	EH

\* Terminal of line involved.

† RR terminal on terminal strip.

TABLE E

## 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*	EB	EH	ET	ER	EH	EB
	1A1 or 1A2	R*	T*	EB	H*	ET	ER	EH	EB

\* Terminal of line involved.

TABLE F

## PROCEDURE FOR DISCONNECTING SPEAKERPHONE FEATURES (NOTE 6, FIG. 1)

LEAD DESIG	CORD COLOR	REMOVE FROM	
	SPEAKERPHONE	NETWORK	TERMINAL STRIP
T1	V-G	RR	
R1	G-V		N
P3	V-BR		8
P4	BR-V		7
AG	V-S		M
LK	S-V	L1	

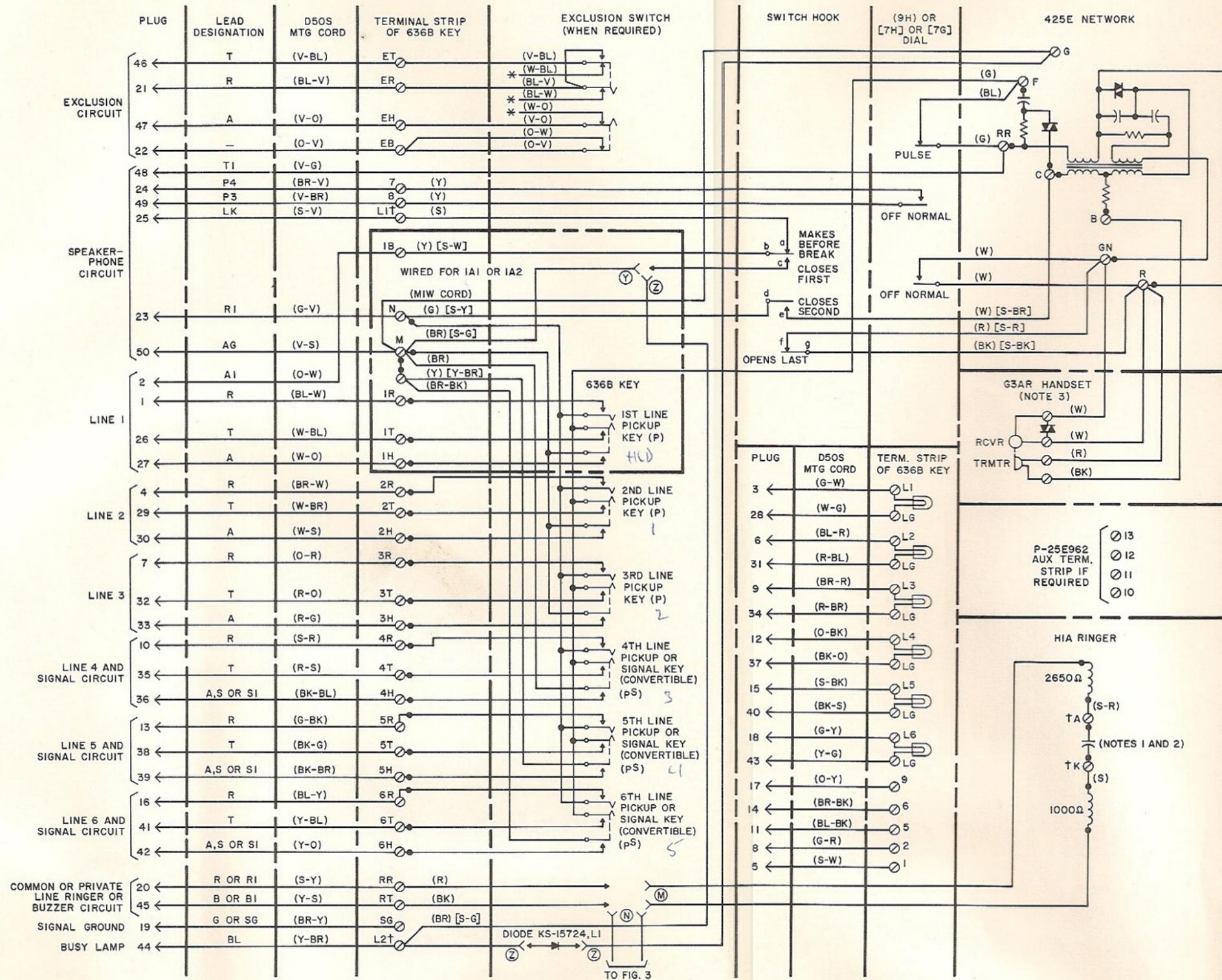
TABLE G

## CONDUCTOR ASSIGNMENTS USING 66E-TYPE CONNECTOR BLOCK OR A25B CONNECTOR CABLE

LEAD DESIG	TEL SET TERM.	MTG CORD OR A25B CONN CABLE		PLUG OR CONN	66E-TYPE CONN BLOCK	
		PAIR NO.	CONDUCTOR COLOR	PIN NO.	CLIP TERM. NO.	BLOCK NO.
T	1T	1	W-BL	26	1	1
R	1R		BL-W	1	2	
A	1H	2	W-O	27	3	
A1 or B*	1B		O-W	2	4	
LG	LG	3	W-G	28	5	
L1	L1		G-W	3	6	
T	2T	4	W-BR	29	7	
R	2R		BR-W	4	8	
A	2H	5	W-S	30	9	
Spare or B*	1		S-W	5	10	
LG	LG	6	R-BL	31	11	2
L2	L2		BL-R	6	12	
T	3T	7	R-O	32	13	
R	3R		O-R	7	14	
A	3H	8	R-G	33	15	
Spare or B*	2		G-R	8	16	
LG	LG	9	R-BR	34	17	
L3	L3		BR-R	9	18	
T	4T	10	R-S	35	19	
R	4R		S-R	10	20	
A,S, or S1	4H	11	BK-BL	36	21	3
Spare or B*	5		BL-BK	11	22	
LG	LG	12	BK-O	37	23	
L4	L4		O-BK	12	24	
T	5T	13	BK-G	38	25	
R	5R		G-BK	13	26	
A,S, or S1	5H	14	BK-BR	39	27	
Spare or B*	6		BR-BK	14	28	
LG	LG	15	BK-S	40	29	
L5	L5		S-BK	15	30	
T	6T	16	Y-BL	41	31	4
R	6R		BL-Y	16	32	
A,S, or S1	6H	17	Y-O	42	33	
Spare or B*	9		O-Y	17	34	
LG	LG	18	Y-G	43	35	
L6	L6		G-Y	18	36	
BL	L2 on Net.	19	Y-BR	44	37	
G or SG	SG		BR-Y	19	38	
B1	RT	20	Y-S	45	39	
R1	RR		S-Y	20	40	
T	ET	21	V-BL	46	41	5
R	ER		BL-V	21	42	
A	EH	22	V-O	47	43	
	EB		O-V	22	44	
T1 †	RR on Net.	23	V-G	48	45	
R1 †	N		G-V	23	46	
P3 †	8	24	V-BR	49	47	
P4 †	7		BR-V	24	48	
AG †	M	25	V-S	50	49	
LK †	L1 on Net.		S-V	25	50	

\*When set is used in 1A key telephone system, these balance leads must not be used for other purposes.

†Speakerphone leads.



- NOTES:
1. CONNECT RINGER WITHOUT CAPACITOR AS COMMON PRIVATE OR INTERCOMMUNICATING LINE SIGNAL EXCEPT WHERE LOCAL INSTRUCTIONS DIRECT OTHERWISE. RINGER MUST BE WIRED WITH CAPACITOR IN CIRCUIT WHEN COMMON AUDIBLE SIGNAL POWER FAILURE FEATURE IS PROVIDED.
  2. RINGER LEADS ARE FACTORY WIRED; RED TO RR TERMINAL, BLACK TO RT TERMINAL.
  3. THE HANDSET MAY BE REPLACED BY ONE CONTAINING AN AMPLIFIER SUCH AS THE G6-TYPE (IMPAIRED HEARING) OR THE G7-TYPE (IMPAIRED SPEECH).
  4. WHEN KEYS ARE CONVERTED FOR SIGNALING, THE S LEAD OF KEY INVOLVED PROVIDES THE SIGNAL CIRCUIT AND THE G LEAD PROVIDES THE COMMON SIGNAL GROUND.
  5. ALL CONVERTIBLE KEY POSITIONS ARE ARRANGED IN THE FACTORY AS PICKUP POSITIONS. TO CONVERT A KEY POSITION FROM PICKUP (LOCKING) TO SIGNALING (NONLOCKING), REMOVE THE P-12A892 SCREW DETAIL FROM PLUNGER AT THE KEY POSITION TO BE CONVERTED. MAKE NECESSARY CONNECTION CHANGES AS SHOWN IN TABLE B. TO CONVERT A KEY POSITION FROM NONLOCKING TO LOCKING, INSERT P-12A892 SCREW DETAIL.
  6. WHEN A 565GK SET IS MULTIPLIED AT AN ADAPTER WITH SETS FURNISHING SPEAKERPHONE FEATURES, CERTAIN CONTROL LEADS IN THIS SET MUST BE DISCONNECTED, INSULATED AND STORED TO AVOID INTERFERENCE WITH WORKING CIRCUITS AT OTHER STATIONS IN THE CABLING SYSTEM (SEE TABLE F).

- \* CONNECT THESE LEADS AS SHOWN IN TABLE D  
 † TERMINALS ON NETWORK  
 (M) RINGER CIRCUIT  
 (N) BUZZER CIRCUIT  
 (Y) WITHOUT STATION BUSY LAMP  
 (Z) WITH STATION BUSY LAMP  
 ( ) INDICATES CURRENT PRODUCTION CODE.  
 [ ] INDICATES MD CODE

Fig. 1 — 565GK Telephone Set, Connections

