

TELEPHONE SETS—565LK

CONNECTIONS

1. GENERAL

1.01 This section contains connection information on the 565LK telephone set when used with 1A, 1A1, 1A2, or 6A key telephone systems.

1.02 The 565LK telephone set replaces the 565LB and 565LD sets which are rated Manufacture Discontinued (MD).

1.03 These sets are available in black (-3), green (-51), yellow (-56), white (-58), rose pink (-59), light beige (-60), light gray (-61), aqua blue (-62), and turquoise (-64).

1.04 A 3-type speakerphone system can be used with the 565LK 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 148A or 149A adapter. If control unit is located at the key equipment, extend leads through an A25B connector cable.

1.05 Cord tip insulators on the 148A 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.

2.01 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 565LK set when the exclusion feature is required. It must be ordered separately. For installation information, see appropriate installation section.

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

2.04 The 565LK 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.

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

3. CONNECTION FIGURES INDEX

Fig. 1 - 565LK Telephone Set, Connections

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

Fig. 3 - Buzzer Connections

Fig. 4 - Typical 66E-Type Connecting Block

2. OPTIONAL EQUIPMENT

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 - Cutoff of Ringer or Buzzer in Set by Cutoff Key

Table F - Cutoff of External Circuits by Cutoff Key

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Table H - Procedure for Disconnecting Speakerphone Features

Table J - Conductor Assignments Using 66E-Type Connecting Block

Table K - Connector Cable and Cord Conductor Assignments

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

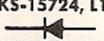
Sta Bsy Lp Ckt	Key Tel Sys	Switch Leads			Hold-Key Leads		See Fig. 1	
		Y	BR	G	Y	Y-BK	M1W Cord 	Diode KS-15724, L1 
No	1A	1B	1B	N	9	M		
	1A1,1A2	1B	N	9	M	N		
Yes	1A	SG	L2	N	9	M		
	1A1,1A2	1B	L2	9	M	N	G to N	G to L2

TABLE B
PICKUP-SIGNAL KEY CONVERSION

Convertible Key Options	Key Lead (BR-BK)
HPPPPC	M
HPPPSC *	SG

* See Notes 5 and 6, Fig. 1.

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)	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
INTERNAL 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
CUTOFF OF RINGER OR BUZZER IN SET BY CUTOFF KEY

(RR terminals on term. strip)

Cutoff	Ringer Leads				Buz Leads		Cutoff-Key Leads	
	R	BK	S	S-R	R	BK	BR	BR-Y
Of Bridged Ringer On Any Line	CR	CT	K	A			R*	T*
Of Common or Private Line Ringer or Buzzer (see Note 3)	With Cap.	CR	CT	K	A		RR	RT
	Without Cap.	CR	CT	A	A	CR	CT	RR
Of Bridged Line Ringer When Used With Feature 1 On Table F	XR	XT	K	A			R*	T*

* Terminal of line involved.

TABLE F
CUTOFF OF EXTERNAL CIRCUITS

Cutoff	Cutoff-Key Leads	
	BR	BR-Y
Of Ring and Tip of Any Line	R*	T*
Of Head Receiver, Used as Listening-In Set	R*	GN†
Of Controlled 1A1, 1A2 Key-Tel Sys Sta	CT	XT

* Terminal of line involved.

† Terminal on network.

TABLE G
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.

† See Note 3, Fig. 1.

TABLE H
PROCEDURE FOR DISCONNECTING SPEAKERPHONE FEATURES
(NOTE 7, FIG. 1)

Lead Desig	Cord Color	Remove From	
	Speakerphone	Network	Terminal Strip
T1	V-G	RR	
R1	G-V		9
P3	V-BR		8
P4	BR-V		7
AG	V-S		N
LK	S-V	L1	

NOTE 1: CONNECT RINGER WITHOUT CAPACITOR AS COMMON, PRIVATE OR INTERCOMMUNICATING LINE SIGNAL EXCEPT WHERE LOCAL INSTRUCTIONS DIRECT OTHERWISE. RINGERS MUST BE WIRED WITH CAPACITOR IN CIRCUIT WHEN COMMON AUDIBLE SIGNAL POWER FAILURE FEATURE IS PROVIDED.

NOTE 2: RINGER LEADS ARE FACTORY WIRED; RED TO RR TERMINAL, BLACK TO RT TERMINAL.

NOTE 3: WHEN OTHER THAN LINE ONE 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.

NOTE 4: THE HANDSET MAY BE REPLACED BY ONE CONTAINING AN AMPLIFIER. THE G6AR HAND SET IS FOR CUSTOMERS WITH IMPAIRED HEARING, AND THE G7AR FOR CUSTOMERS WITH IMPAIRED SPEECH.

NOTE 5: WHEN KEYS ARE CONNECTED FOR SIGNALING, THE S LEAD OF KEY INVOLVED PROVIDES THE SIGNAL CKT AND THE G LEAD PROVIDES THE COMMON SIGNAL GROUND.

NOTE 6: ALL CONVERTIBLE KEY POSITIONS ARE ARRANGED IN THE FACTORY AS PICKUP POSITIONS. TO CONVERT A KEY 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.

NOTE 7: WHEN A 565LK SET IS MULTIPLIED AT AN ADAPTER WITH SETS FURNISHING SPEAKERPHONE FEATURES, CERTAIN CONTROL LEADS IN THE SET MUST BE DISCONNECTED, INSULATED AND STORED (SEE TABLE F). THIS IS NECESSARY TO AVOID INTERFERENCE WITH WORKING CIRCUITS.

NOTE 8: LAMP NOT FURNISHED WITH SET.

NOTE 9: SET FACTORY WIRED FOR 1A1 OR 1A2. TO WIRE FOR 1A, SEE FIG. 2.

* CONNECT LEADS AS SHOWN IN TABLES C OR D.

† TERMINAL ON NETWORK

‡ LEADS ARE INDIVIDUALLY INSULATED AND STORED.

Ⓜ RINGER CIRCUIT

Ⓝ BUZZER CIRCUIT

Ⓨ WITHOUT STATION BUSY LAMPS

Ⓩ WITH STATION BUSY LAMPS

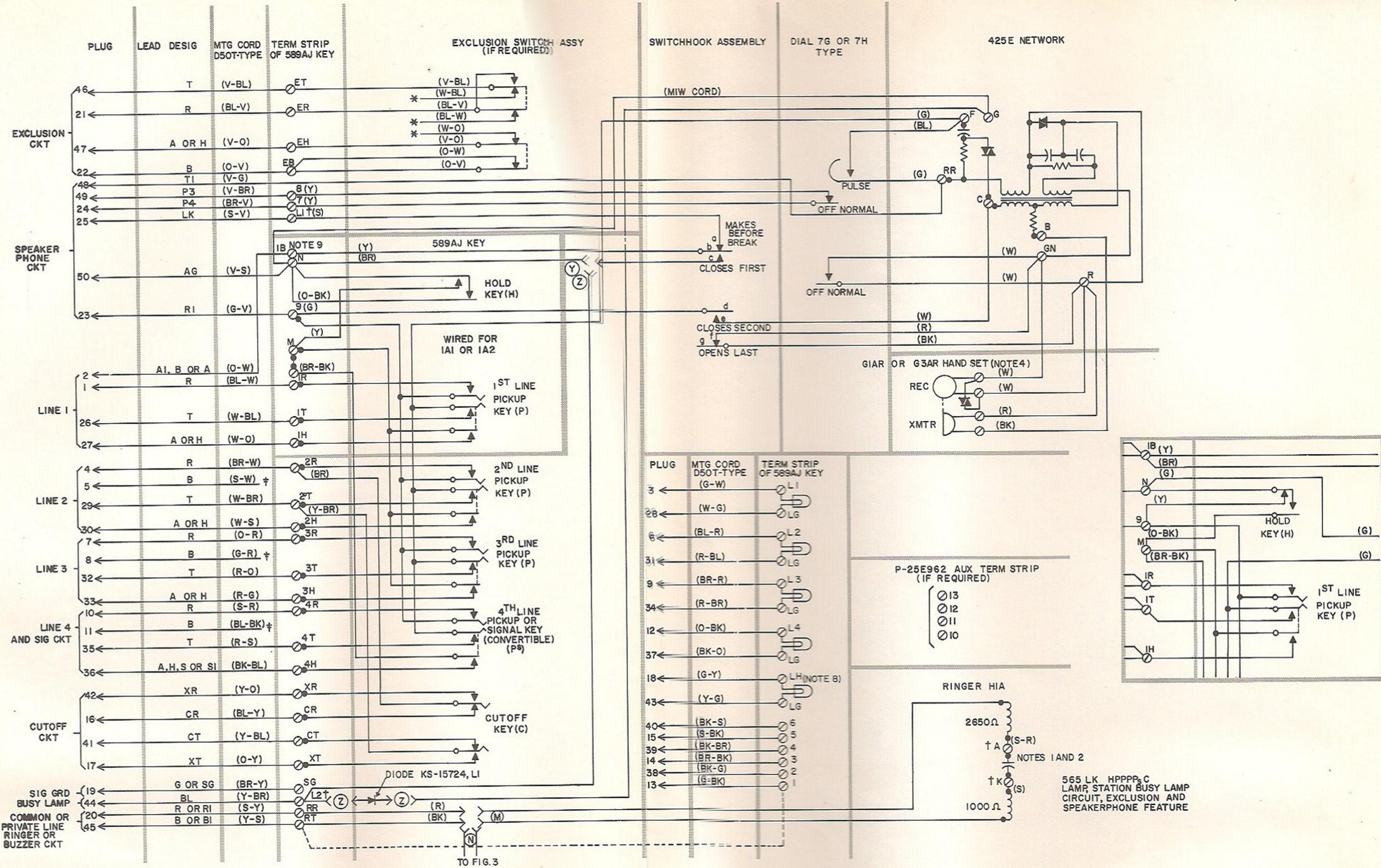


Fig. 1 - 565LK Telephone Set, Connections
 Fig. 2 - Set Wired for IA Key Telephone System
 Tables D, E, F, G, and H

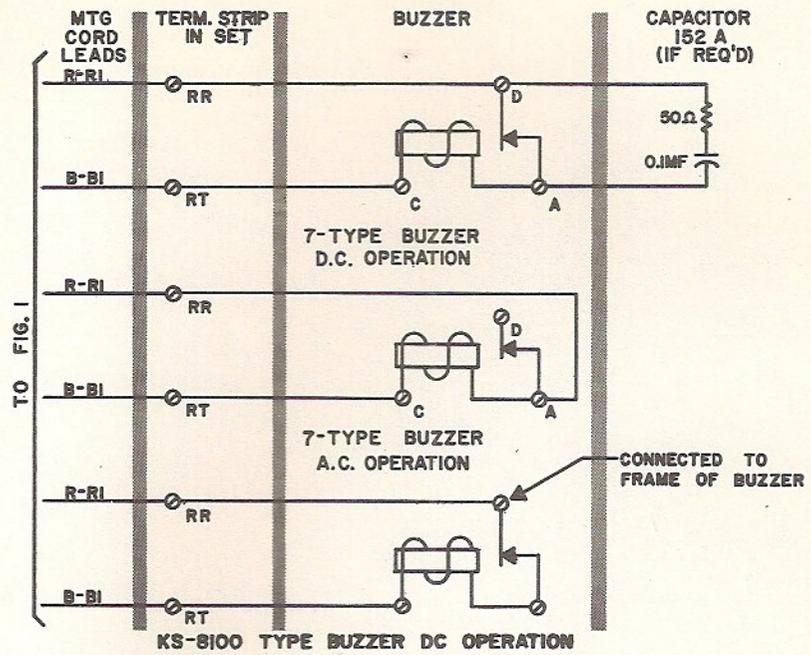


Fig. 3 - Buzzer Connections

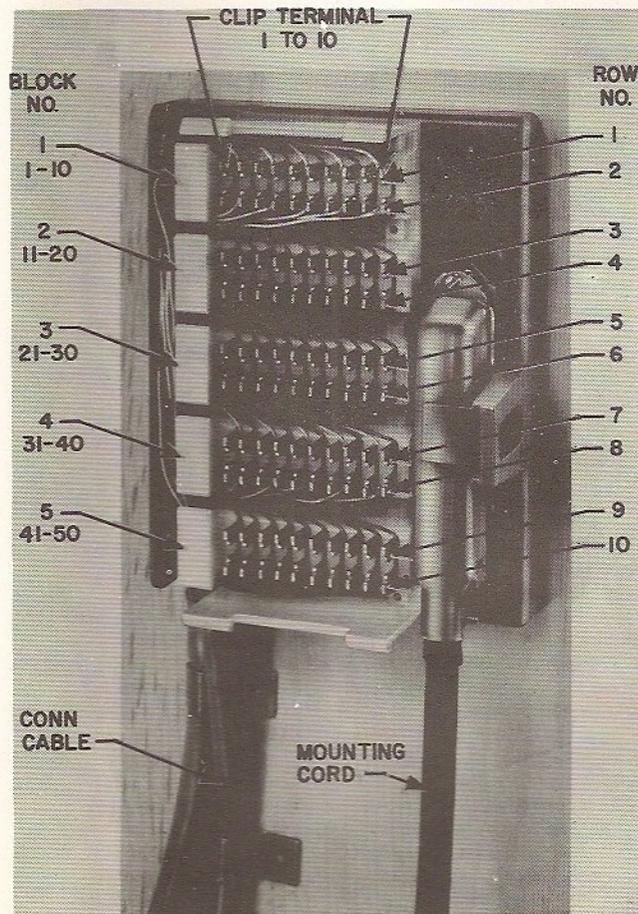


Fig. 4 - Typical 66E-Type Connecting Block

TABLE J
CONDUCTOR ASSIGNMENTS USING 66E-TYPE CONNECTING BLOCK

66E-Type Connecting Block						Mounting Cord	
Connector Cable Pair No.	Block No.	Clip Terminal No.	Conductor Color	Pin No.	Lead Desig	Cord Conductor	Tel Set Terminal
1	1	1	W-BL	26	T	W-BL	1T
		2	BL-W	1	R	BL-W	1R
2		3	W-O	27	A or H	W-O	1H
		4	O-W	2	A1, B, or A	O-W	1B
3		5	W-G	28	LG	W-G	LG
		6	G-W	3	L1	G-W	L1
4		7	W-BR	29	T	W-BR	2T
		8	BR-W	4	R	BR-W	2R
5		9	W-S	30	A or H	W-S	2H
		10	S-W	5	B	S-W	*
6	2	11	R-BL	31	LG	R-BL	LG
		12	BL-R	6	L2	BL-R	L2
7		13	R-O	32	T	R-O	3T
		14	O-R	7	R	O-R	3R
8		15	R-G	33	A or H	R-G	3H
		16	G-R	8	B	G-R	*
9		17	R-BR	34	LG	R-BR	LG
		18	BR-R	9	L3	BR-R	L3
10		19	R-S	35	T	R-S	4T
		20	S-R	10	R	S-R	4R
11	3	21	BK-BL	36	A, H, S, or S1	BK-BL	4H
		22	BL-BK	11	B	BL-BK	*
12		23	BK-O	37	LG	BK-O	LG
		24	O-BK	12	L4	O-BK	L4
13		25	BK-G	38	Spare	BK-G	2
		26	G-BK	13	Spare	G-BK	1
14		27	BK-BR	39	Spare	BK-BR	4
		28	BR-BK	14	Spare	BR-BK	3
15		29	BK-S	40	Spare	BK-S	6
		30	S-BK	15	Spare	S-BK	5
16	4	31	Y-BL	41	CT	Y-BL	CT
		32	BL-Y	16	CR	BL-Y	CR
17		33	Y-O	42	XR	Y-O	XR
		34	O-Y	17	XT	O-Y	XT
18		35	Y-G	48	HG	Y-G	HG
		36	G-Y	18	HL	G-Y	HL
19		37	Y-BR	44	BL	Y-BR	L2 on Ntw
		38	BR-Y	19	G or SG	BR-Y	SG
20		39	Y-S	45	B or B1	Y-S	RT
		40	S-Y	20	R or R1	S-Y	RR
21	5	41	V-BL	46	T	V-BL	ET
		42	BL-V	21	R	BL-V	ER
22		43	V-O	47	A or H	V-O	EH
		44	O-V	22	B	O-V	EB
23		45	V-G	48	T1†	V-G	RR on Ntw
		46	G-V	23	R1†	G-V	9
24		47	V-BR	49	P3†	V-BR	8
		48	BR-V	24	P4†	BR-V	7
25		49	V-S	50	AG†	V-S	N
		50	S-V	25	LK†	S-V	L1 on Ntw

* Spade tipped, insulated, and stored.

† Speakerphone leads.

TABLE K
CONNECTOR CABLE AND CORD CONDUCTOR ASSIGNMENTS

A25B Connector Cable				Mounting Cord	
Pair No.	Conductor Color	Pin No.	Lead Desig	Conductor Color	Tel Set Terminal
1	W-BL	26	T	W-BL	1T
	BL-W	1	R	BL-W	1R
2	W-O	27	A or H	W-O	1H
	O-W	2	A1, B, or A	O-W	1B
3	W-G	28	LG	W-G	LG
	G-W	3	L1	G-W	L1
4	W-BR	29	T	W-BR	2T
	BR-W	4	R	BR-W	2R
5	W-S	30	A or H	W-S	2H
	S-W	5	B	S-W	*
6	R-BL	31	LG	R-BL	LG
	BL-R	6	L2	BL-R	L2
7	R-O	32	T	R-O	3T
	O-R	7	R	O-R	3R
8	R-G	33	A or H†	R-G	3H
	G-R	8	B	G-R	*
9	R-BR	34	LG	R-BR	LG
	BR-R	9	L3	BR-R	L3
10	R-S	35	T	R-S	4T
	S-R	10	R	S-R	4R
11	BK-BL	36	A, H, S, or S1	BK-BL	4H
	BL-BK	11	B	BL-BK	*
12	BK-O	37	LG	BK-O	LG
	O-BK	12	L4	O-BK	L4
13	BK-G	38	Spare	BK-G	2
	G-BK	13	Spare	G-BK	1
14	BK-BR	39	Spare	BK-BR	4
	BR-BK	14	Spare	BR-BK	3
15	BK-S	40	Spare	BK-S	6
	S-BK	15	Spare	S-BK	5
16	Y-BL	41	CT	Y-BL	CT
	BL-Y	16	CR	BL-Y	CR
17	Y-O	42	XR	Y-O	XR
	O-Y	17	XT	O-Y	XT
18	Y-G	43	HG	Y-G	HG
	G-Y	18	HL	G-Y	HL
19	Y-BR	44	BL	Y-BR	L2 on Ntwk
	BR-Y	19	G or SG	BR-Y	SG
20	Y-S	45	B or B1	Y-S	RT
	S-Y	20	R or R1	S-Y	RR
21	V-BL	46	T	V-BL	ET
	BL-V	21	R	BL-V	ER
22	V-O	47	A or H	V-O	EH
	O-V	22	B	O-V	EB
23	V-G	48	T1†	V-G	RR on Ntwk
	G-V	23	R1†	G-V	9
24	V-BR	49	P3†	V-BR	8
	BR-V	24	P4†	BR-V	7
25	V-S	50	AG†	V-S	N
	S-V	25	LK†	S-V	L1 on Ntwk

* Leads are spade tipped, insulated, and stored.

† Speakerphone leads.

Fig. 3 and 4, Tables J and K