

STATION CONNECTIONS

440- AND 460-SERIES TELEPHONE SETS

KEY CABLE AND INTERNAL SET CONNECTIONS

1. GENERAL

- 1.01 This section covers station connections of 440- and 460-series key telephone sets. This includes key cable, connecting block, cord conductor, and internal set wiring connections.
- 1.02 This section is reissued to include connections to 1A key telephone system line circuits in addition to 1A1 key telephone system circuits.
- 1.03 Due to extensive changes, marginal arrows have been omitted.

2. APPLICATION OF THE 440- AND 460-SERIES KEY TELEPHONE SETS

- 2.01 All 440- and 460-series key telephone sets in Tables 17.05 and 17.06 **may be used in the 1A key telephone system.**
- 2.02 Only certain sets as indicated in Table 17.05 may be used in the **1A1 key telephone system.** These sets are equipped with an additional set of switch-hook contacts (for "A" lead control) and are furnished shop-wired for use in the 1A key telephone system. **To use these sets in the 1A1 key telephone system, certain spade-tipped leads must be reterminated within the set.**
- 2.03 Key telephone set internal wiring changes and connections are covered in Tables 17.01 through 17.04. This includes ringer, buzzer, exclusion, and cutoff connections.

3. KEY CABLE

- 3.01 Key cable, connecting block, and cord conductor connections shown in Tables 17.05 and 17.06 conform to key cable, connecting block, and cord conductor functional connection patterns established for 500-type key telephone sets. In certain instances it has been necessary to separate the tip and ring of a cable pair. Individual cable conductors are identified as shown in the example below.

	"C" Inside Wiring	"D" Inside Wiring
Ring of pair No. 17	G-S (W)	O (Y)
Tip of Pair No. 17	W (G-S)	Y (O)

- 3.02 Key cable conductors should be associated with a certain feature as designated in connection tables. When a given feature is not provided, it is preferable that the conductor associated with that feature should not be used for another circuit function.
- 3.03 Pair 12 in the key cable is used as the audible signal pair, dial selective intercommunicating station signal pair, or buzzer system signal pair when the common signal, station signal, or buzzer signal is provided **in the set.**
- 3.04 Pair 21 in the key cable is used as the audible signal pair, dial selective intercommunicating station signal pair, or buzzer system signal pair when the common signal, station signal, or buzzer signal is provided **external to the set.**

**INTERNAL WIRING — CHANGES FOR SETS WITH
AUXILIARY SWITCHHOOK CONTACTS FOR
USE IN 1A OR 1A1 KEY TELEPHONE SYSTEM**

TABLE 17.01

NO CHANGE OTHER END CONNECTED TO	COLOR LEAD	CONNECTIONS FOR	
		1A	1A1
SWITCH HOOK	R-G	1B	N
INDUCTION COIL TERMINAL "L1"	R	N	R
HOLD KEY	Y	R	M
HOLD KEY	BK	M	N

Reference: SD-69206-01

RINGER AND BUZZER CONNECTIONS

TABLE 17.02

Make Ringer and Buzzer Connections for 440- and 460-Series Telephone Sets as Shown Below:

OPTION	IN-COMING LEADS DESIG.	TEL. SET TERM.	INDUCTION COIL TERM.	RINGER AND COND. LEADS	BUZZER LEADS	BUZZER TERM.
				COLOR	COLOR	
SET RINGER USED AS LINE RINGER ON TIP AND RING OF ANY LINE EXCEPT PRIVATE LINES		R* T* K K R*		R Y SL BK S-R		
RINGER OR BUZZER IN SET USED AS COM- MON AUDIBLE SIG. OR DIAL SEL. INTERCOM STA. SIG. OR PUSH- BUTTON AND BUZZER SYSTEM SIG.	RINGER WITH COND.	R1 B1	A K	L1	R Y BK* S-R SL*	
	RINGER WITHOUT COND.	R1 B1	A K	L1	R BK S-R	
	7-TYPE BUZZER ♦	R1 B1	A K		R BK	A or D [□] C

Notes: ★ 1R and 1T for first line; 2R and 2T for second line, etc.

✕ Remove from terminal "K" and connect together at spare terminal, or by means of a D-161488 connector.

♦ If 152A capacitor is provided, connect spade-tipped capacitor leads to buzzer terminals "A" and "D".

□ If buzzer power source is ac, terminal is "A". If buzzer power source is dc, terminal is "D".

References: SD-69206-01; SD-69096-01; SD-69128-01; SD-69129-01; SD-69186-01; SD-69187-01; SD-69182-01.

TABLE 17.03

**EXCLUSION KEY IN SET USED TO EXCLUDE STATIONS, LINES,
OR TO CUT OFF RINGER OR BUZZER IN THE SET**

Make Connections For Exclusion of Stations or for Ringer or Buzzer Cut-off by Exclusion Key, in Exclusion Key Equipped 440- and 460-Series Telephone Sets as Shown Below:

FEATURE	INCOMING OR OUTGOING LEADS		EXCLUSION KEY LEADS	TEL. SET TERM.	INDUCTION COIL TERM.	RINGER AND COND. LEADS	BUZZER LEADS	BUZZER TERM.
	IA	IAI	COLOR			COLOR	COLOR	
EXCLUSION OF STATION ON A SPECIFIC LINE	R T B H **	R T A A **	R-Y G-Y BK-W	E1 E2 E3 E4 R* T* H*				
EXCLUSION KEY USED TO CUT OFF SET RINGER USED AS LINE RINGER			R-Y G-Y BL W	R* T* E2* A K K		S-R RED Y BK SL		
CUT-OFF BY EXCLUSION KEY OF RINGER OR BUZZER USED AS COMMON SIGNAL OR DIAL SEL. INTERCOM STA. SIG.	RINGER WITH CONDENSER	R1** B1**	R-Y G-Y BL W	A K A K E2■ E3■ E4■ E4■	L1	RED Y BK SL S-R		
		R1** B1**	R-Y G-Y BL	A K A A K K K E2*	L1	BK Y SL R S-R		
	7-TYPE BUZZER ♦	R1** B1**	R-Y G-Y BL	A K A A K K K E2*	L1	Y SL S-R	BK RED	C A or D□

(Notes on Next Page)

TABLE 17.03
(Continued)

Notes: ** Leads from key telephone sets to excluded station(s).

★ IR, IT, and IH or 1A for first line; 2R, 2T, and 2H or 2A for second line, etc.

✕ Remove cord conductor connected to this terminal and connect to terminal "E1".

★★ Leads from key telephone units located in apparatus cabinet to key telephone sets.

■ Remove cord conductors from these terminals, tape spade tips separately and dress under block.

◆ If 152A capacitor is provided, connect spade-tipped capacitor leads to buzzer terminals "A" and "D".

□ If buzzer power source is ac, terminal is "A." If buzzer power source is dc, terminal is "D".

References: SD-69206-01; SD-69096-01; SD-69128-01; SD-69129-01; SD-69186-01; SD-69187-01; SD-69188-01.

TABLE 17.04**CUT-OFF CONNECTIONS**

Make Cut-off Connections in Cut-off Key Equipped 440- and 460-Series Telephone Sets as Shown Below:

FEATURE	LEADS TO CUT-OFF LINE OR EXT. STA. OR RINGER OR LISTENING-IN LINE CKT. OR RECEIVER	LEADS TO EQUIP. CABINET	CUT-OFF KEY LEADS	TEL. SET TERM.	INDUC-TION COIL TERM.	RINGER AND COND. LEADS	BUZZER LEADS	BUZZER TERM.
	DESIG.	DESIG.	COLOR			COLOR	COLOR	
CUT-OFF OF SET RINGER USED AS LINE RINGER			R-W G-W BK-W	R* T* CR CT K K X		S-R R Y SL BK		

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TABLE 17.04
(Continued)

FEATURE	LEADS TO CUT-OFF LINE OR EXT. STA. OR RINGER OR LISTENING-IN LINE CKT. OR RECEIVER	LEADS TO EQUIP. CABINET	CUT-OFF KEY LEADS	TEL. SET TERM.	INDUC-TION COIL TERM.	RINGER AND COND. LEADS	BUZZER LEADS	BUZZER TERM.
						DESIG.	DESIG.	
CUT-OFF OF SET RINGER OR BUZZER USED AS COMMON SIGNAL OR DIAL SEL. INTERCOM. STA. SIG.	RINGER WITH CONDENSER	R1 B1	G-W R-W BK-W	A K A CR CR CT X	L1	Y SL BK R S-R		
	RINGER WITHOUT CONDENSER	R1 B1	G-W R-W BK-W	A K A K K CT CR X	L1	BK SL Y R S-R		
	7-TYPE BUZZER *	R1 B1	G-W R-W BK-W	A K A K CT K CR X	L1	Y SL S-R	BK R	C A or D♦
CUT-OFF OF LINE OR EXT. STA. OR RINGER OR LISTENING-IN LINE CKT.	R T		R-W G-W BK-W	CR CT R* T* X				
CUT-OFF EXT. STA. OR RINGER AND TRANSFER TO SET LINE RINGER	R T		G-W R-W BK-W	CR CT R* T* X K K		S-R Y R SL BK		

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TABLE 17.04
(Continued)

FEATURE		LEADS TO CUT-OFF LINE OR EXT. STA. OR RINGER OR LISTENING-IN LINE CKT. OR RECEIVER	LEADS TO EQUIP. CABINET	CUT-OFF KEY LEADS	TEL. SET TERM.	INDUC-TION COIL TERM.	RINGER AND COND. LEADS	BUZZER LEADS	BUZZER TERM.
		DESIG.	DESIG.	COLOR			COLOR	COLOR	
CUT-OFF OF COMMON RINGER OR BUZZER AT ANOTHER STA. AND TRANSFER TO SET COMMON RINGER OR BUZZER	RINGER WITH CONDENSER	R1 B1	R1 B1	R-W G-W BK-W	A K A K CR CT X	L1	R Y S-R BK□ SL□		
	RINGER WITHOUT CONDENSER	R1 B1	R1 B1	R-W G-W BK-W	A K A K K CR CT X	L1	R Y SL BK S-R		
	7-TYPE BUZZER*	R1 B1	R1 B1	R-W G-W BK-W	A K A K K CR CT X	L1	Y SL S-R	R BK	A or D♦ C
CUT-OFF OF HEAD RECEIVER USED AS LISTENING-IN SET		R GN		R-W G-W BK-W	CR CT X	R GN			

Notes: * 1R and 1T for first line; 2R and 2T for second line, etc.

✖ If 152A capacitor is to be provided, connect spade-tipped capacitor leads to buzzer terminals "A" and "D".

♦ If buzzer power source is ac, terminal is "A". If buzzer power source is dc, terminal is "D".

□ Connect these leads together at spare terminal or by means of a D-161488 connector.

References: SD-69206-01; SD-69096-01; SD-69128-01; SD-69129-01; SD-69186-01; SD-69187-01; SD-69188-01.

**KEY CABLE, CORD CONDUCTOR, CONNECTING BLOCKS,
AND TELEPHONE SET CONNECTIONS**

LEAD DESIG.		KEY CABLE		44A CONN. BLK.		DIAL IA	44OAC	440BC	440CC	440DC	44OEC	440FC	440GC	44IAC	44IBC	44ICC	44IDC								
		PR NO.	INSIDE WIRING			DIAL IA-IAI	AA	BA	CA	DA	EA	FA	GA	AA	BA	CA	DA								
IA	IAI		C TYPE	D TYPE	TERM.	NO.	MANUAL IA-IAI	PPPP	PPPS	PPPC	PPSC	HPPP	HPPS	HPPC	PPPP-E	PPPS-E	PPPC-E	PPSC-E							
		FEATURES•					PPPP	PPPS	PPPC	PPSC	HPPP	HPPS	HPPC	PPPP-E	PPPS-E	PPPC-E	PPSC-E								
		COLOR				FAB. CORD MOD.	D10D	D10D	D10D	D10D	D14A	D12A	D12A	D12A	D12A	D12A	D12A								
						VINYL CORD	D10G	D23C	D27A	D27A	D14G	D17A	D17A	D17A	D28B	D27A	D27A	D27A							
						SET TERM.																			
R T	R T	1	BL W	BL W	1	2	IR IT	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	
B H	AI A	2	O W	O W	4	5	IB IH		Y BK		Y BK		Y BK		Y BK		Y BK		Y BK		Y BK		Y BK		
R T	R T	3	G W	G W	6	7	2R 2T	BL W	Y BK	BL W	Y BK	BL W	Y BK	BL W	Y BK	BL W	Y BK	BL W	Y BK	BL W	Y BK	BL W	Y BK	BL W	
B H	AI A	4	BR W	BR W	9	10	— 2H			BR-R BR-G		BR-R BR-G		(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	BR-R		BR-R BR-G		BR-R BR-G		BR-R BR-G	
R T	R T	5	S W	S W	3	8	3R 3T	BR-Y BR-BK	BL W	BR-Y BR-BK	BL W	BR-Y BR-BK		BR-Y BR-BK	BR-Y BR-BK				BR-Y BR-BK	BL W	BR-Y BR-BK	BL W	BR-Y BR-BK	BL W	
B H-S	AI A-S	6	BL-W W	BL R	1	2	— 3H-S			BR-BL BR-W		BR-BL BR-W		(BR-BL) BR-W	(BR-BL) BR-W	BR-W	BR-Y	BR-W			BR-BL BR-W		BR-BL BR-W		BR-BL BR-W
R T	R T	7	BL-O W	O R	4	5	4R 4T	R-G R-Y	R-R GG	R-G R-Y									R-G R-Y	BR-R BR-G					
B H-S	AI A-S	8	BL-G W	G R	6	7	— 4H-S			R-BK R-BL	R-R	R-BL							R-BK R-BL		R-BL	BR-R	R-BL		R-BL
R T	R T	9	BL-BR W	BR R	9	10	5R 5T			R-W G-Y									R-W G-Y						
B H-S	AI A-S	10	BL-S W	S R	3	8	— 5H-S			G-BK G-BL		G-BL							G-BL		G-BL		G-BL		G-BL
GRD	GRD	11	O-W W	BL BK	1	2	G —			G-W	G-G	G-W		G-W	BR-BK	G-W			G-W	Y-BK		G-W	BR-G	G-W	G-W
RI BI	RI BI	12	O-G W	O BK	4	5	A K	Y-BL Y-W	Y-Y BK-BK	Y-BL Y-W	Y-Y BK-BK	Y-BL Y-W	Y-Y BK-BK	Y-BL Y-W	R-G R-Y	Y-BL Y-W	BR-BL BR-W	Y-BL Y-W	BR-BL BR-W	Y-BL Y-W	BR-BL BR-W	Y-BL Y-W	BR-BL BR-W	Y-BL Y-W	BR-BL BR-W
R T	R T	13	O-BR W	G BK	6	7	E1 E2			BK-BL BK-W		BK-BL BK-W							BK-BL BK-W	BR-Y BR-BK	BK-BL BK-W	BR-Y BR-BK	BK-BL BK-W	BR-Y BR-BK	BK-BL BK-W
B H	B A	14	O-S W	BR BK	9	10	E3 E4			BL-W S		BL-W S							BL-W S		BL-W S		BL-W S		BL-W S
R T	R T	15	G-W W	S BK	3	8	CR CT			S-R S-G	R-R G-G	S-R S-G			S-R S-G		S-R S-G	BR-Y BR-BK	S-R S-G		S-R S-G		S-R S-G	BR-R BR-G	S-R S-G
L LG	L LG	16	G-BR W	BL Y	1	2	L1 LG			S-Y S-BK		S-Y S-BK			S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK
L LG	L LG	17	G-S W	O Y	4	5	L2 —			S-BL		S-BL			S-BL		S-BL		S-BL		S-BL		S-BL		S-BL
L LG	L LG	18	BR-W W	G Y	6	7	L3 —			S-W		S-W							S-W		S-W		S-W		S-W
L LG	L LG	19	BR-S W	BR Y	9	10	L4 —												S-BR						
L LG	L LG	20	S-W W	S Y	3	8	L5 —												BR						

Notes: Lightface indicates spare conductors.
 () Indicate conductors not terminated in set.
 • P means pickup; S, signal; C, cutoff; E, extension; L, illuminated.
 ◊ When exclusion feature is required in IAI key telephone system, strap terminal 4 of connecting block 1 to terminal 9 of connecting block 3.

★ Block nearest cord butt.
 ◆ May be S, 1S, 2S, 3S, or 4S depending on number of signal buttons on a particular set.
 □ Where common ringer is not used, connect cord conductor to A.
 ■ LG leads strap together.
 References: SD-69096-01; SD-69128-01; SD-69129-01; SD-69187-01; SD-69188-01; SD-69206-01.

TABLE 17.05
(Continued)

LEAD DESIG.	KEY CABLE		44A		DIAL IA	44IEC	44IFC	44IGC	444AC	444EC	444FC	445AC	445BC	445CC	445DC	445EC												
	PR. NO.	INSIDE WIRING		CONN. BLK.													DIAL IA-IAI	EG				EG	FG					
		COLOR															MANUAL IA	EA	FA	GA	AA	EA	FA	AA	BA	CA	DA	EE
		C	D														FEATURES •	HPPP-E	HPPS-E	HPPC-E	PPPP-L	HPPP-L	HPPS-L	PPPP-L-E	PPPS-L-E	HPPC-L-E	PPSC-L-E	HPPP-L-E
FAB.CORD MOD.		D18C	D16B	D16B	D16B	D16B	D18C	D16B	D18C	D16B	D18C	D16B	D16B	D16B	D16B	D22B												
IA	IAI		TYPE	TYPE	TERM	NO.	SET TERM.																					
R T	R T	1	BL W	BL W	1	2	1R IT	R G	R G	R G	R G	R G	R G	R G	R G	R G												
B H	AI A	2	O W	O W	4	5	1B IH	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK												
R T	R T	3	G W	G W	6	7	2R 2T	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W												
B H	AI A	4	BR W	BR W	9	10	— 2H	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	BR-R	BR-R BR-G												
R T	R T	5	S W	S W	3	8	3R 3T	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK												
B H-S	AI A-S	6	BL-W W	BL R	1	2	— 3H-S♦	(BR-BL) BR-W	(BR-BL) BR-W	BR-BL BR-W	BR-Y BR-W	BR-BL BR-W	(BR-BL) BR-W	(BR-BL) BR-W	BR-W	R-G												
R T	R T	7	BL-O W	O R	4	5	4R 4T					R-G R-Y	BR-R BR-G		R-G R-Y	BR-R BR-G												
B H-S	AI A-S	8	BL-G W	G R	6	7	— 4H-S♦	R-BL		R-BL		R-BL			R-BK R-BL	R-BL BR-R												
R T	R T	9	BL-BR W	BR R	9	10	5R 5T					R-W G-Y			R-W G-Y													
B H-S	AI A-S	10	BL-S W	S R	3	8	— 5H-S♦	G-BL		G-BL		G-BL			G-BL	G-BL												
GRD	GRD	11	O-W W	BL BK	1	2	G —	G-W		G-W	BR-BK	G-W	G-W Y-BK	R-Y	G-W	R-Y BR-BK												
RI BI	RI BI	12	O-G W	O BK	4	5	A K□	Y-BL Y-W	R-W G-Y	Y-BL Y-W	R-BK R-BL	Y-BL Y-W	R-BK R-BL	Y-BL Y-W	R-W G-Y	Y-BL Y-W												
R T	R T	13	O-3R W	G BK	6	7	E1 E2	BK-BL BK-W	R-G R-Y	BK-BL BK-W	BR-BL BR-W	BK-BL BK-W	BR-BL BR-W		BK-BL BK-W	BR-Y BR-BK												
B H	B A	14	O-S W	BR BK	9	10	E3 E4	BL-W S	R-BK R-BL	BL-W S	R-G R-Y	BL-W S	R-G R-Y		BL-W S	BL-W S												
R T	R T	15	G-W W	S BK	3	8	CR CT	S-R S-G		S-R S-G		S-R S-G	BR-Y BR-BK		S-R S-G	S-R S-G												
L LG	L LG	16	G-BR W	BL Y	1	2	L1 LG	S-Y S-BK		S-Y S-BK		S-Y S-BK	BR-BK BR-Y	S-Y S-BK	R-Y R-G	S-Y S-BK												
L LG	L LG	17	G-S W	O Y	4	5	L2 —	S-BL		S-BL		S-BL		S-BL	BR-BL	S-BL												
L LG	L LG	18	BR-W W	G Y	6	7	L3 —	S-W		S-W		S-W		S-W	R-BK	S-W												
L LG	L LG	19	BR-S W	BR Y	9	10	L4 —					S-BR	R-G		S-BR	R-BL												
L LG	L LG	20	S-W W	S Y	3	8	L5 —								BR													

Notes: Light face indicates spare conductors.
 () Indicate conductors not terminated in set.
 ♦ P means pickup; S, signal; C, cutoff; E, extension; L, illuminated.
 ◇ When exclusion feature is required in IA1 key telephone system, strap terminal 4 of connecting block 1 to terminal 9 of connecting block 3.
 ★ Block nearest cord butt.

◆ May be S, 1S, 2S, 3S, or 4S depending on number of signal buttons on a particular set.
 □ Where common ringer is not used, connect cord conductor to A.
 ■ LG leads strap together.
 References: SD-69096-01; SD-69128-01; SD-69129-01; SD-69187-01; SD-69188-01; SD-69206-01.

**TABLE 17.05
(Continued)**

LEAD DESIG.		KEY CABLE				44A CONN. BLK.		DIAL 1A	445FC	445GC	460CC	460DC	460GC	460HC	460JC	460KC	460LC	460MC	460NC
								DIAL 1A-1A1	FA	GA	CA	DA	GA	HA	JA	KA	LA	MA	NA
								MANUAL 1A	FA	GA	CA	DA	GA	HA	JA	KA	LA	MA	NA
								MANUAL 1A-1A1	FA	GA	CA	DA	GA	HA	JA	KA	LA	MA	NA
PR. NO.		INSIDE WIRING COLOR		TERM.	NO.	FEATURES*	HPPS-L-E	HPPC-L-E	PPPPC	PPPPSC	HPPPPP	HPPPPS	HP-PPPS	HPPPPC	HPPPSC	HPPPSS	HPPSSS		
						FAB.CORD MOD.	D20B	D20B	D14A	D14A	D22B	D20B	D20B	D20B	D18C	D18C	D14A		
IA	IA1	C TYPE	D TYPE	TERM.	NO.	VINYL CORD	D27A	D27A	D28B	D28B	D23C	D23C	D35A	D35A	D27A	D23C	D23C		
IA	IA1	C TYPE	D TYPE	TERM.	NO.	SET TERM.													
R T	R T	1	BL W	BL W	1 2	IR IT	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	
B H	AI A	2	O W	O W	4 5	IB IH	Y BK	Y BK	Y BK	Y BK			Y BK						
R T	R T	3	G W	G W	6 7	2R 2T	BL W	BL W	BL W	BL W	Y BK	BL W	Y BK	BL W					
B H	AI A	4	BR W	BR W	9 10	— 2H	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	BR-R	BR-R	(BR-R) BR-G						
R T	R T	5	S W	S W	3 8	3R 3T	BR-Y BR-BK		BR-Y BR-BK		BR-Y BR-BK	BL W	BR-Y BR-BK						
B H-S	AI A-S	6	BL-W W	BL R	1 2	— 3H-S	BR-BL BR-W	R-W	BR-BL BR-W				(BR-BL) BR-W						
R T	R T	7	BL-O W	O R	4 5	4R 4T				R-G R-Y	BR-R BR-G	R-G R-Y	BR-R BR-G	R-G R-Y					
B H-S	AI A-S	8	BL-G W	G R	6 7	— 4H-S	R-BL		R-BL		R-BK R-BL		R-BK R-BL	(R-BK) R-BL	(R-BK) R-BL	(R-BK) R-BL	(R-BK) R-BL	(R-BK) R-BL	
R T	R T	9	BL-BR W	BR R	9 10	5R 5T				R-W G-Y	BR-Y BR-BK	R-W G-Y	R-W G-Y	R-W G-Y	R-W G-Y	BR-R BR-BL	R-W G-Y	R-W G-Y	
B H-S	AI A-S	10	BL-S W	S R	3 8	— 5H-S	G-BL		G-BL		G-BL		G-BL	BR-Y G-BK	(G-BK) G-BL	G-BK G-BL	R-W G-BL	G-BK G-BL	
GRD	GRD	11	O-W W	BL BK	1 2	G —	G-W	G-Y R-Y	G-W R-Y	G-W Y-BK		G-W Y-BK	BR-BK	G-W	G-W	G-Y	G-W	G-W	
RI BI	RI BI	12	O-G W	O BK	4 5	A K	Y-BL Y-W	G-BK G-BL	Y-BL Y-W	G-BK G-BL	Y-BL Y-W	R-G R-Y	Y-BL Y-W	R-G R-Y	Y-BL Y-W	G-W Y-BK	Y-BL Y-W	G-BK G-BL	
R T	R T	13	O-BR W	G BK	6 7	E1 E2	BK-BL BK-W	BR-BL BR-W	BK-BL BK-W	BR-BL BR-W	BK-BL BK-W		BK-BL BK-W		BK-BL BK-W		BK-BL BK-W		
B H	B A	14	O-S W	BR BK	9 10	E3 E4	BL-W S	BR-BK BR-Y	BL-W S	BR-BK BR-Y				BL-W S		BL-W S		BL-W S	
R T	R T	15	G-W W	S BK	3 8	CR CT	S-R S-G		S-R S-G	R-W G-Y	S-R S-G	BR-BL BR-W	S-R S-G	BR-BL BR-W		S-R S-G	R-W G-Y	S-R S-G	
L LG	L LG	16	G-BR W	BL Y	1 2	L1 LG	S-Y S-BK	R-BK R-G	S-Y S-BK	R-BK R-G	S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK		
L LG	L LG	17	G-S W	O Y	4 5	L2	S-BL	R-BL	S-BL	R-BL	S-BL		S-BL		S-BL		S-BL		
L LG	L LG	18	BR-W W	G Y	6 7	L3	S-W		S-W		S-W		S-W		S-W		S-W		
L LG	L LG	19	BR-S W	BR Y	9 10	L4				S-BR		S-BR			S-BR		S-BR		
L LG	L LG	20	S-W W	S Y	3 8	L5				BR		BR			BR		BR		

Notes: Lightface indicates spare conductors.
 () Indicate conductors not terminated in set.
 • P means pickup; S, signal; C, cutoff; E, extension; L, illuminated.
 ◇ When exclusion feature is required in IA1 key telephone system, strap terminal 4 of connecting block 1 to terminal 9 of connecting block 3.
 ★ Block nearest cord butt.

◆ May be S, 1S, 2S, 3S, or 4S depending on number of signal buttons on a particular set.
 □ Where common ringer is not used, connect cord conductor to A.
 ■ LG leads strap together.
 References: SD-69096-01; SD-69128-01; SD-69129-01; SD-69187-01; SD-69188-01; SD-69206-01.

TABLE 17.05

(Continued)

LEAD DESIG.		KEY CABLE		44A CONN. BLK.		DIAL IA	461CC	461DC	461GC	461HC	461JC	461KC	461LC	461MC	461NC	464GC	464HC														
						DIAL IA-IAI	CA	DA	GA	HA	JA	KA	LA	MA	NA	GG	HG														
						MANUAL IA	PPPPC-E		PPPPS-E		HPPPP-E		HPPPS-E		HP-PPS-E		HPPPC-E		HPPSC-E		HPPSS-E		HPPSSS-E		HPPPP-L		HPPPS-L				
						MANUAL IA-IAI	PPPPC-E	PPPPS-E	HPPPP-E	HPPPS-E	HP-PPS-E	HPPPC-E	HPPSC-E	HPPSS-E	HPPSSS-E	HPPPP-L	HPPPS-L														
PR. NO.	INSIDE WIRING COLOR	C TYPE	D TYPE	TERM.	NO.	FAB. CORD MOD.	D28B	D16B	D28B	D16B	D35A	D26B	D35A	D24A	D35A	D24A	D35A	D24A	D35A	D24A	D27A	D22B	D27A	D22B	D27A	D18C	D28C	D29A	D25B	D26B	
						VINYL CORD	D28B	D16B	D28B	D16B	D35A	D26B	D35A	D24A	D35A	D24A	D35A	D24A	D27A	D22B	D27A	D22B	D27A	D18C	D28C	D29A	D25B	D26B			
IA	IAI					SET TERM.																									
R T	R T	1	BL W	BL W	1 2	1R IT	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	
B H	AI A	2	O W	O W	4 5	1B IH				Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	
R T	R T	3	G W	G W	6 7	2R 2T	BL W	Y BK	BL W	Y BK	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	BL W	
B H	AI A	4	BR W	BR W	9 10	— 2H	BR-R		BR-R		(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	BR-R BR-G	BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	(BR-R) BR-G	
R T	R T	5	S W	S W	3 8	3R 3T	BR-Y BR-BK	BL W	BR-Y BR-BK	BL W	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	
B H-S	AI A-S	6	BL-W W	BL R	1 2	— 3H-S					(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	BR-BL BR-W	BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	(BR-BL) BR-W	
R T	R T	7	BL-O W	O R	4 5	4R 4T	R-G R-Y	BR-R BR-G	R-G R-Y	BR-R BR-G	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	R-G R-Y	
B H-S	AI A-S	8	BL-G W	G R	6 7	4H-S	R-BK R-BL		R-BK R-BL		(R-BK) R-BL	(R-BK) R-BL	(R-BK) R-BL	(R-BK) R-BL	R-BK R-BL	R-BL	(R-BK) R-BL	(R-BK) R-BL	R-BL	R-G	R-BL	R-G	R-BL	R-G	R-BL	BR-BL	(R-BK) R-BL	(R-BK) R-BL	(R-BK) R-BL	(R-BK) R-BL	
R T	R T	9	BL-BR W	BR R	9 10	5R 5T	R-W G-Y	BR-Y BR-BK	R-W G-Y		R-W G-Y	R-W G-Y	R-W G-Y	R-W G-Y	R-W G-Y	BR-R BR-BL	R-W G-Y										R-W G-Y	R-W G-Y			
B H-S	AI A-S	10	BL-S W	S R	3 8	— 5H-S	G-BL		G-BL	BR-Y	(G-BK) G-BL	(G-BK) G-BL	G-BK G-BL	R-W	G-BK G-BL	R-BK R-W	G-BK G-BL		G-BL		G-BL	R-BK	G-BL	BR-W	(G-BK) G-BL	(G-BK) G-BL	G-BL	R-W			
GRD	GRD	11	O-W W	BL BK	1 2	G —	G-W Y-BK		G-W Y-BK	BR-BK	G-W		G-W	G-Y	G-W	G-Y	G-W		G-W	R-Y	G-W	R-Y	G-W	R-BL	G-W	BR-BK		Y-BK	G-W	G-Y	
RI BI	RI BI	12	O-G W	O BK	4 5	A K	Y-BL Y-W	R-BK R-BL	Y-BL Y-W	R-BK R-BL	Y-BL Y-W	BK-W BL-W	Y-BL Y-W	Y-BL Y-W	Y-BL Y-W	Y-BL Y-W	Y-BL Y-W	Y-BL Y-W	Y-BL Y-W	Y-BL Y-W	G-W Y-BK	Y-BL Y-W	G-W Y-BK	Y-BL Y-W	R-W G-Y	Y-BL Y-W	Y-BL Y-W	Y-BL Y-W	Y-BL Y-W	BK-W BL-W	
R T	R T	13	O-BR W	G BK	6 7	E1 E2	BK-BL BK-W	R-G R-Y	BK-BL BK-W	R-G R-Y	BK-BL BK-W	G-W Y-BK	BK-BL BK-W	G-BK G-BL	BK-BL BK-W	G-BK G-BL	BK-BL BK-W	G-BK G-BL	BK-BL BK-W	R-W G-Y	BK-BL BK-W	R-W G-Y	BK-BL BK-W	R-W G-Y	BK-BL BK-W	R-G R-Y					
B H	B A	14	O-S W	BR BK	9 10	E3 E4				BL-W S	Y-BL Y-W	BL-W S	G-W Y-BK	BL-W S	G-W Y-BK	BL-W S	G-W Y-BK	BL-W S	G-W Y-BK	BL-W S	G-BK G-BL	BL-W S	G-BK G-BL	BL-W S	R-BK R-BL						
R T	R T	15	G-W W	S BK	3 8	CR CT	S-R S-G	BR-BL BR-W	S-R S-G	BR-BL BR-W	S-R S-G		S-R S-G		S-R S-G	R-W G-Y	S-R S-G	R-BK R-BL	S-R S-G		S-R S-G		S-R S-G		S-R S-G						
L LG	L LG	16	G-BR W	BL Y	1 2	L1 LG	S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK		S-Y S-BK	S-Y S-BK	BL-W BK-W	S-Y S-BK	Y-BK G-W
L LG	L LG	17	G-S W	O Y	4 5	L2 —	S-BL		S-BL		S-BL		S-BL		S-BL		S-BL		S-BL		S-BL		S-BL		S-BL		S-BL	S-BL	BK-BL	S-BL	Y-BL
L LG	L LG	18	BR-W W	G Y	6 7	L3 —	S-W		S-W		S-W		S-W		S-W		S-W		S-W		S-W		S-W		S-W		S-W	S	S-W	Y-W	
L LG	L LG	19	BR-S W	BR Y	9 10	L4 —	S-BR		S-BR		S-BR		S-BR		S-BR		S-BR		S-BR		S-BR		S-BR		S-BR		S-BR	BR-S	S-BR	G-BL	
L LG	L LG	20	S-W W	S Y	3 8	L5 —	BR		BR		BR		BR		BR		BR		BR		BR		BR		BR		BR	G-W			

Notes: Lightface indicates spare conductors.

- () Indicate conductors not terminated in set.
- P means pickup; S, signal; C, cutoff; E, extension; L, illuminated.
- ◇ When exclusion feature is required in IAI key telephone system, strap terminal 4 of connecting block 1 to terminal 9 of connecting block 3.
- ★ Block nearest cord butt.

- ◆ May be S, 1S, 2S, 3S, or 4S depending on number of signal buttons on a particular set.
- Where common ringer is not used, connect cord conductor to A.
- LG leads strap together.

References: SD-69096-01; SD-69128-01; SD-69129-01; SD-69187-01; SD-69188-01; SD-69206-01.

TABLE 17.05

(Continued)

LEAD DESIG.	KEY CABLE		INSIDE WIRING COLOR		44A CONN. BLK.		DIAL IA	464MC	465CC	465DC	465GC	465HC	465JC	465KC	465LC	465MC	465NC								
							DIAL IA-IAI	MG			GG	HG		KG	LG	MG	NG								
							MANUAL IA	MA	CA	DA	GA	HA	JA	KA	LA	MA	NA								
							MANUAL IA-IAI	ME			GE	HE		KE	LE	ME	NE								
PR. NO.	C TYPE	D TYPE	TERM.	NO.	FEATURES•	HPPSS-L	PPPPC-L-E	PPPPS-L-E	HPPPP-L-E	HPPPS-L-E	HP-PPS-L-E	HPPPC-L-E	HPPSC-L-E	HPPSS-L-E	HPPSS-L-E										
					FAB. CORD MOD.	D22B	D22B	D22B	D22B	D22B	D22B	D22B	D22B	D22B	D22B	D22B	D22B	D22B							
IA	IAI				VINYL CORD	D25B	D28B	D28B	D28B	D28B	D28B	D28B	D28B	D28B	D28B	D28B									
					SET TERM.																				
R T	R T	1	BL W	BL W	1 2	1R 1T	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G		
B H	AI A	2	O W	O W	4 5	1B 1H	Y BK	Y BK				Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK	Y BK		
R T	R T	3	G W	G W	6 7	2R 2T	BL W	BL W	BL W	Y BK	BL W	Y BK	BL W												
B H	AI A	4	BR W	BR W	9 10	— 2H	(BR-R) BR-G	(BR-R) BR-G	BR-R		BR-R		(BR-R) BR-G												
R T	R T	5	S W	S W	3 8	3R 3T	BR-Y BR-BK	BR-Y BR-BK	BR-Y BR-BK	BL W	BR-Y BR-BK	BL W	BR-Y BR-BK												
B H-S	AI A-S	6	BL-W W	BL R	1 2	— 3H-S♦	(BR-BL) BR-W	(BR-BL) BR-W					(BR-BL) BR-W	BR-Y											
R T	R T	7	BL-O W	O R	4 5	4R 4T	R-G R-Y		R-G R-Y	BR-Y BR-BK	R-G R-Y	BR-Y BR-BK	R-G R-Y												
B H-S	AI A-S	8	BL-G W	G R	6 7	— 4H-S♦	R-BK R-BL	R-W	R-BK R-BL		R-BK R-BL		(R-BK) R-BL	BR-BL											
R T	R T	9	BL-BR W	BR R	9 10	5R 5T			R-W G-Y	R-G R-Y	R-W G-Y		R-W G-Y												
B H-S	AI A-S	10	BL-S W	S R	3 8	— 5H-S♦	G-BL	G-BK	G-BL		G-BL	G-BL	(G-BK) G-BL	(G-BK) G-BL	G-BK	G-BL	G-W	G-BK	R-BK Y-BK	G-BK	G-BL		G-BL	R-BK	
GRD	GRD	11	O-W W	BL BK	1 2	G —	G-W	G-Y G-BL	G-W Y-BK		G-W Y-BK	G-BK R-BL	G-W	G-W	Y-BK	G-W	G-W	G-W	G-W	G-W	G-W	R-Y	G-W	R-BK	
RI BI	RI BI	12	O-G W	O BK	4 5	A K□	Y-BL Y-W	G-W Y-BK	Y-BL Y-W	G-BK G-BL	Y-BL Y-W	G-W Y-BK	Y-BL Y-W	BK-W BL-W	Y-BL Y-W	Y-BL Y-W	G-W								
R T	R T	13	O-BR W	G BK	6 7	E1 E2			BK-BL BK-W	G-W Y-BK	BK-BL BK-W	R-W G-Y	BK-BL BK-W	G-W Y-BK	BK-BL BK-W	R-W G-Y	BK-BL BK-W	R-W G-Y	BK-BL BK-W	R-W G-Y	BK-BL BK-W	R-W G-Y	BK-BL BK-W	R-W G-Y	
B H	B A	14	O-S W	BR BK	9 10	E3 E4							BL-W S	Y-BL Y-W	BL-W S	G-BK G-BL	BL-W S	G-BK G-BL	BL-W S	G-BK G-BL	BL-W S	G-BK G-BL	BL-W S	G-BK G-BL	G-BK
R T	R T	15	G-W W	S BK	3 8	CR CT			S-R S-G	R-W G-Y	S-R S-G	R-G R-Y	S-R S-G		S-R S-G		S-R S-G	G-W Y-BK	S-R S-G	R-BK R-BL	S-R S-G		S-R S-G	S-R	
L LG	L LG	16	G-BR W	BL Y	1 2	L1 LG	S-Y S-BK	R-Y R-G	S-Y S-BK	BR-G BR-R	S-Y S-BK	BR-G BR-R	S-Y S-BK	S BK-BL	S-Y S-BK	BL-W BK-W	S-Y S-BK	BL-W BK-W	S-Y S-BK	BL-W BK-W	S-Y S-BK	Y-BK G-W	S-Y S-BK	Y-BK G-W	R-Y
L LG	L LG	17	G-S W	O Y	4 5	L2 —	S-BL	R-BK	S-BL	BR-BL	S-BL	BR-BL	S-BL	BR-S	S-BL	BK-BL	S-BL	BK-BL	S-BL	BK-BL	S-BL	Y-BL	S-BL	Y-BL	R-BK
L LG	L LG	18	BR-W W	G Y	6 7	L3 —	S-W	R-BL	S-W	BR-W	S-W	BR-W	S-W	R-S	S-W	S	S-W	S	S-W	S	S-W	Y-W	S-W	Y-W	S-W
L LG	L LG	19	BR-S W	BR Y	9 10	L4 —	S-BR		S-BR	R-BK	S-BR	R-BK	S-BR	G-S	S-BR	BR-S	S-BR	BR-S	S-BR	BR-S					
L LG	L LG	20	S-W W	S Y	3 8	L5 —			BR	R-BL	BR		BR	Y-S	BR		BR		BR						

Notes: Lightface indicates spare conductors.

() Indicate conductors not terminated in set.

• P means pickup; S, signal; C, cutoff; E, extension; L, illuminated.

◇ When exclusion feature is required in IAI key telephone system, strap terminal 4 of connecting block 1 to terminal 9 of connecting block 3.

★ Block nearest cord butt.

♦ May be S, 1S, 2S, 3S, or 4S depending on number of signal buttons on a particular set.

□ Where common ringer is not used, connect cord conductor to A.

■ LG leads strap together.

References: SD-69096-01; SD-69128-01; SD-69129-01; SD-69187-01; SD-69188-01; SD-69206-01.

KEY CABLE, CORD CONDUCTOR, CONNECTING BLOCKS, AND TELEPHONE SET CONNECTIONS

TABLE 17.06

LEAD DESIG.	KEY CABLE		44A CONN. BLK.		DIAL IA	460AC	460BC	460EC	460FC	461AC	461BC	461EC	461FC	465AC	465BC	465EC	465FC													
	PR NO.	INSIDE WIRING COLOR			MANUAL IA	AA	BA	EA	FA	AA	BA	EA	FA	AA	BA	EA	FA													
					FEATURES•	PPPPPP	PPPPPS	PPSSSS	PPSSSS	PPPPPP-E	PPPPPS-E	PPSSSS-E	PPSSSS-E	PPPPPP-L-E	PPPPPS-L-E	PPSSSS-L-E	PPSSSS-L-E													
					FAB.CORD MOD.	D14A	D14A	D12A	D12A	D16B	D16B	D14A	D14A	D23A	D22B	D18C	D16B													
IA	C TYPE	D TYPE	TERM.	NO.	SET TERM.	D19B	D23C	D23C	D23C	D28B	D28B	D28B	D35A	D28B	D28B	D28B	D35A													
R T	1	BL W	BL W	1 2	1*	IR IT	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G	R G				
	2	O W	O W	4 5					Y BK		Y BK						Y BK								Y BK					
R T	3	G W	G W	6 7			2R 2T	BL W	Y BK																					
L	24R *	BR(R)	BR(V)	9 10			L6			BR-R BR-G		BR-R BR-G		BR-R		BR-R		BR-R BR-G		BR-R	Y-BL	BR-R		BR-R		BR-R BR-G				
R T	5	S W	S W	3 8			3R 3T	BR-Y BR-BK	BL W	BR-Y BR-BK	BL W	BR-Y BR-BK		BR-Y BR-BK	BL W	BR-Y BR-BK	BL W	BR-Y BR-BK		BR-Y BR-BK	BL W	BR-Y BR-BK	BL W	BR-Y BR-BK	BL W	BR-Y BR-BK	BL W			
S	6	BL-W W	BL R	1 2			S♦			BR-BL BR-W		BR-BL BR-W		BR-BL				BR-BL BR-W	BL							BR-BL BR-W	BL			
R T	7	BL-O W	O R	4 5			4R 4T	R-G R-Y	BR-R BR-G	R-G R-Y	BR-R BR-G	R-G R-Y		R-G R-Y	BR-R BR-G	R-G R-Y		R-G R-Y		R-G R-Y	BR-Y BR-BK	R-G R-Y	BR-Y BR-BK	R-G R-Y		R-G R-Y				
S S	23 *	G R	G V	6 7		2	S♦ S♦			R-BK R-BL	BR-BL BR-R	R-BK R-BL	BR-BK BR-R	R-BK R-BL	BR-Y BR-R	R-BK R-BL	BR-BL BR-R	R-BK R-BL	BR-Y BR-R	R-BK R-BL		R-BK R-BL	G-BL	R-BK R-BL	BR-W BR-Y	R-BK R-BL	BR-W BR-R			
R T	9	BL-BR W	BR R	9 10			5R 5T	R-W G-Y	BR-Y BR-BK	R-W G-Y	BR-Y BR-BK	R-W G-Y		R-W G-Y	BR-Y BR-BK	R-W G-Y	BR-Y BR-BK	R-W G-Y		R-W G-Y	R-G R-Y	R-W G-Y	R-G R-Y	R-W G-Y		R-W G-Y				
S	10	BL-S W	S R	3 8			S♦			G-BK G-BL		G-BK G-BL	BR-Y	G-BK G-BL	BR-G	G-BL		G-BL		G-BL	BR-Y	G-BK G-BL	BR-G	G-BL		G-BL	BR-BL	G-BK G-BL	BR-G	
GRD	11	O-W W	BL BK	1 2		G			G-W	BR-W	G-W	BR-G	G-W	W BR-BK			G-W Y-BK	BR-W	G-W Y-BK	BR-G	G-W	W BR-BK		G-W Y-BK	G-BK	G-W Y-BK	BR-BK	G-W	W	
R T	22 *	O R	O V	1 2		6R 6T	G-W Y-BK	BR-BL BR-W					G-W Y-BK	BR-BL BR-W					G-W Y-BK	R-W G-Y										
R I BI	12	O-G W	O BK	4 5	3	A K□	Y-BL Y-W	R-G R-Y	Y-BL Y-W	R-G R-Y	Y-BL Y-W	BR-BL BR-W	Y-BL Y-W	BR-BL BR-W	Y-BL Y-W	R-BK R-BL	Y-BL Y-W	R-BK R-BL	Y-BL Y-W	R-G R-Y	Y-BL Y-W	R-G R-Y	Y-BL Y-W	G-BK G-BL	Y-BL Y-W	G-W Y-BK	Y-BL Y-W	R-W G-Y	Y-BL Y-W	R-BK R-BL
R T	13	O-BR W	G BK	6 7		E1 E2							BK-BL BK-W	R-G R-Y	BK-BL BK-W	R-G R-Y	BK-BL BK-W	BR-BL BR-W	BK-BL BK-W	BR-BL BR-W	BK-BL BK-W	BR-BL BR-W	BK-BL BK-W	G-W Y-BK	BK-BL BK-W	R-W G-Y	BK-BL BK-W	R-BK R-BL	BK-BL BR-W	R-G R-Y
	14	O-S W	BR BK	9 10															BL-W S							BL-W S				
	15	G-W W	S BK	3 8									S-R S-G		S-R S-G															
L LG	16	G-BR W	BL Y	1 2■		L1 LG	S-Y S-BK						S-Y S-BK	BR-G BR-R	S-Y S-BK	BR-G BR-R	S-Y S-BK	BR-G R-G	S-Y S-BK	BR-BK BR-Y										
L LG	17	G-S W	O Y	4 5■		L2	S-BL						S-BL	BR-BL	S-BL	BR-BL	S-BL	BR-R	S-BL	BR-BL										
L LG	18	BR-W W	G Y	6 7■		L3	S-W						S-W	BR-W	S-W	BR-W	S-W	R-Y	S-W											
L LG	19	BR-S W	BR Y	9 10■		L4	S-BR						S-BR	R-BK	S-BR	R-BK	S-BR		S-BR											
L LG	20	S-W W	S Y	3 8■		L5							BR	R-BL	BR	R-BL	BR		BR											
LG	24T	R(BR)	Y(BR)	8■																										

Notes: Lightface indicates spare conductors.

• P means pickup; S, signal; E, extension; L, illuminated.

★ Block nearest cord butt.

✱ Pairs 22, 23, and 24 are used to maintain standardization of color for feature assignment.

♦ May be S, IS, 2S, 3S, or 4S depending on number of signal buttons on a particular set.

□ Where common ringer is not used, connect cord conductor to A.

■ LG leads strap together.

Reference: SD-69129-01.