

**CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINES**  
**212A AND 202B KEY TELEPHONE UNITS**  
**TERMINATIONS IN APPARATUS CABINET**

**1. GENERAL**

1.01 This section covers the connections required on 212A and 202B key telephone units. This includes strapping between key telephone units, terminating of wires from power source, terminating of lines from central office or private branch exchange, and terminating of key or running cables from key telephone stations.

1.02 The data shown in this section at the time of its issuance reflected the latest wiring connection arrangements. In some cases these arrangements are not consistent with those shown on existing drawings. It is planned to include these changes in future revisions of such drawings.

1.03 An index listing the various features, power sources, types of associated equipment, and table numbers is shown below and on pages 2 and 3 of this section.

**INDEX**

**WIRING BETWEEN KEY TELEPHONE UNITS**

TYPE OF INSTALLATION	FEATURE OR OPERATION	TYPE OF K.T.U. USED		LINE NO. IN SYS.	TABLE NO.	PAGE NO.
New Installations	Original Factory Strapping	212A or 200D		1 Through 3	5.16	25
		200E		1 Through 4	5.16	25
	Add Wink and/or Aud. Sig. Control Ckt.	212A or 200D		1 Through 3	5.01	4
		200E ♦♦	(212A)	1 Through 3	5.01	4
	(202B)		4	5.04	10	
	Add Lines to 212A, 200D, and 200E K.T.U. (Wink Ckt. May or May Not Be Provided)	202B		4 Through 6	5.02	6
202A		4 Through 6	5.03	8		
Existing Installations	Add Lines	202B		4 Through 6	5.02	6
		202A		4 Through 6	5.03	8
	Add Wink and/or Aud. Sig. Control Ckt.	212A		1 Through 3	5.01	4
		202B		4 Through 6	5.04	10
202A		4 Through 6	5.05	11		

(Continued on Next Page)

**INDEX (Continued)****CABLE CONNECTIONS TO CO OR PBX LINE UNITS (212A AND 202B) ★**

LINES TO	TYPE OF CKT.		TYPE OF KEY TEL. SET USED	TABLE NO.	PAGE NO.
CO or PBX—Incoming or Running Cable	Feed		—	<b>5.12</b>	<b>19</b>
Stations—Key Cable	Line, Lamp, and Control		All 1A1 Sys. Sets Except 565A	<b>5.13</b>	<b>20</b>
			565A	<b>5.14</b>	<b>22</b>
	Common Aud. Sig.	First Ckt. Second Ckt.	—	<b>5.15</b>	<b>24</b>
Stations—Running Cable	Line, Lamp, and Control		All 1A1 Sys. Sets	<b>5.13</b>	<b>20</b>
			Systems Using 565A Sets Only	<b>5.14</b>	<b>22</b>
	Common Aud. Sig.	First Ckt. Second Ckt.	—	<b>5.15</b>	<b>24</b>

**POWER WIRING**

POWER				TYPE OF K.T.U. USED	TABLE NO.◆	PAGE NO.□	
FURNISHED	TYPE ✕	SOURCE	CONNECTED FROM				
Through Fuse and Ringing Lamp Units	Battery	101G Power Plant or Transformer	Incoming Power to Fuse and Ringing Lamp Units	Fuse Unit 201A	<b>2.05</b>	<b>15</b>	
		CO, PBX, Bldg, or Local Battery			<b>2.06</b>	<b>17</b>	
	Generator	CO or PBX Ringing Supply		Ringling Lamp Unit 211A or 11A	<b>2.08</b>	<b>19</b>	
	Battery	—		Fuse Unit to Noise Suppression Unit	Noise Suppression Unit■ 211A or 23A	<b>2.09</b>	<b>20</b>
		—		Fuse Unit to CO or PBX Line Unit	CO or PBX Line Unit 212A	<b>5.06</b>	<b>13</b>
	Generator	—		Ringling Lamp Unit to CO or PBX Line Unit		<b>5.07</b>	<b>13</b>
	Battery or Generator	—		Fuse Unit or Ringling Lamp Unit to Aud. Sig. Control Unit	Aud. Sig. Control Unit 211A or 16A	<b>2.11</b>	<b>21</b>

(Continued on Next Page)

## POWER WIRING (Continued)

POWER				TYPE OF K.T.U. USED	TABLE NO.◆	PAGE NO.□
FURNISHED	TYPE ✕	SOURCE	CONNECTED FROM			
Direct to Line or Control Units	Battery and Generator	101G Power Plant, Transformer, or Static Ringing Generator	Incoming Power to CO or PBX Line Unit	CO or PBX Line Unit 212A	5.08	14
	Battery	CO, PBX, Bldg, or Local Battery				
		—	211A	2.14	26	
	Battery and Generator	101G Power Plant, Transformer, or Static Ringing Generator★★				Incoming Power to Aud. Sig. Control Unit
	Battery	CO, PBX, Bldg, or Local Battery★★	16A	2.17	29	
	Battery and Generator	101G Power Plant, Transformer, or Static Ringing Generator★★				Aud. Sig. Control Unit to CO or PBX Line Unit
	Battery	CO, PBX, Bldg, or Local Battery★★	5.11	18		
Battery or Generator	All ✕✕					

Notes: ★ Cable connections to CO or PBX line unit (202A) are shown in Section C66.202.

✕ The term "Battery" as used in this column denotes low voltage ac or dc.

◆ Table numbers beginning with the numeral 2 are filed in Section C66.202.

□ Page numbers corresponding to table numbers beginning with the numeral 2 refer to numbering within Section C66.202.

■ Provide only when same source of power is used for talking circuit and for operation of audible signals.

★★ Select when the type of power or voltage used for the audible signal control unit is different from that which is used for the common ringer operated directly by the CO or PBX line unit.

✕✕ Select when the same type of power and voltage is used for the audible signal control unit and the common ringer operated directly by the CO or PBX line unit.

◆◆ 200E K.T.U. consists of one 212A K.T.U. and one 202B K.T.U.

TABLE 5.01

**CONNECTIONS BETWEEN SYSTEM COMBINED FLASHING, TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (212A), WINK UNIT (210A), AND AUDIBLE SIGNAL CONTROL UNIT (211A OR 16A) — NEW INSTALLATIONS OR EXISTING INSTALLATIONS — ADDITION OF WINK AND/OR AUDIBLE SIGNAL CONTROL CIRCUITS — LINES ONE THROUGH THREE**

Select Subtable for Features Provided as Shown in the Index Immediately Below:

TYPE OF STRAPPING	FEATURES PROVIDED		TYPE OF K.T.U. USED AS AUD. SIG. CONTROL UNIT	CONNECTIONS SHOWN ON SUBTABLE
	WINK	AUD. SIG. CONTROL		
COMMON			—	NONE REQUIRED
	√		—	α and c
		√	211A	b and d
			16A	b and e
	√	√	211A	α, b, c, and d
		16A	α, b, c, and e	
INDIVIDUAL LINE			—	NONE REQUIRED
	√		—	f
		√	211A or 16A	NONE REQUIRED
	√	√	211A or 16A	f

5.01α

Remove Strap on 212A K.T.U. Terminal Strip "A" Between Terminals as Shown Below:

LEAD DESIG.	212A K.T.U.	
	TERM.	TERM.
"Z" WIRING*	27	37

Remove Straps on Each Terminal Strip of 212A K.T.U. as Shown Below:

LEAD DESIG.	212A K.T.U.					
	TERM. STRIP "A"		TERM. STRIP "B"		TERM. STRIP "C"	
	TERM.	TERM.	TERM.	TERM.	TERM.	TERM.
"Z" WIRING*	9	10	9	10	9	10

5.01b

Remove Straps on Each Terminal Strip of 212A K.T.U. as Shown Below:

LEAD DESIG.	212A K.T.U.					
	TERM. STRIP "A"		TERM. STRIP "B"		TERM. STRIP "C"	
	TERM.	TERM.	TERM.	TERM.	TERM.	TERM.
"S" WIRING*	26	36	26	36	26	36

(Continued on Next Page)

TABLE 5.01 (Continued)

5.01c

Run Straps as Shown Below:

LEAD DESIG.	212A K.T.U.	210A K.T.U. TERM.
TO F	TERM. STRIP "A" TERM. 27 37	14 13
	TERM. STRIP "B" TERM. 19 37 38	16 12 11

5.01d

Loop Straps as Shown Below:

LEAD DESIG.	212A K.T.U.			211A K.T.U. TERM.
	TERM. STRIP "A" TERM.	TERM. STRIP "B" TERM.	TERM. STRIP "C" TERM.	
ST "B" GRD	36 30	36	36	1 37

5.01e

Loop Straps as Shown Below:

LEAD DESIG.	212A K.T.U.			16A K.T.U. TERM.
	TERM. STRIP "A" TERM.	TERM. STRIP "B" TERM.	TERM. STRIP "C" TERM.	
ST "B" GRD	36 30	36	36	4 1

5.01f

Run Straps as Shown Below:

LINE NO. IN SYS.	LEAD DESIG.	212A K.T.U.	210A K.T.U. TERM.
1	LW LB "B" BAT "B" GRD	TERM. STRIP "A" TERM. 10	1
		9	2
		29	18
		30	20
2	LW LB	TERM. STRIP "B" TERM. 10	3
		9	4
3	LW LB	TERM. STRIP "C" TERM. 10	5
		9	6

Note: \* "S" and "Z" wiring is provided on 212A K.T.U. as factory wiring.

Reference: SD-69203-0107, Fig. 24  
SD-69203-0121, Fig. 55SD-69203-0123, Fig. 57  
SD-69203-01, Fig. 67

TABLE 5.02

CONNECTIONS BETWEEN SYSTEM COMBINED FLASHING, TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (212A) AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (202B); BETWEEN CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (202B) AND WINK UNIT (210A)—NEW INSTALLATIONS—LINES FOUR THROUGH SIX

Select Subtable for Features Provided as Shown in the Index Immediately Below:

TYPE OF STRAPPING	FEATURES PROVIDED		TYPE OF K.T.U. USED AS AUD. SIG. CONTROL UNIT	CONNECTIONS SHOWN ON SUBTABLE
	WINK	AUD. SIG. CONTROL		
COMMON			—	<b>α, b, and c</b>
	√		—	<b>α and c</b>
		√	211A	<b>α, b, and d</b>
			16A	<b>α, b, and e</b>
	√	√	211A	<b>α and d</b>
INDIVIDUAL LINE			—	<b>f</b>
		√	—	<b>f</b>
	√		—	<b>f and g</b>
	√	√	—	<b>f and g</b>

5.02α

Run Straps as Shown Below:

LEAD DESIG.	212A K.T.U.	ALL 202B K.T.U. TERM.
	<b>TERM. STRIP "A"</b>	
	<b>TERM.</b>	
TO	17	27
CO	18	28
LAMP GRD	40	40
LAMP POWER	39	39
COM RING POWER	19	19
"B" BAT	29	29
"B" GRD	30	30
B1	8	8
	<b>TERM. STRIP "B"</b>	
	<b>TERM.</b>	
HA	19	37
LK	20	38

5.02b

Run Strap on Each 202B K.T.U. Between Terminals as Shown Below:

LEAD DESIG.	202B K.T.U.	
	TERM.	TERM.
"Z" WIRING	9	10

(Continued on Next Page)

TABLE 5.02 (Continued)

5.02c

Run Strap on Each 202B K.T.U. Between Terminals as Shown Below:

LEAD DESIG.	202B K.T.U.	
	TERM.	TERM.
"S" WIRING	26	36

5.02d

Run Strap as Shown Below:

LEAD DESIG.	ALL 202B K.T.U. ✕ TERM.	211A K.T.U. TERM.
ST	36	1

5.02e

Run Strap as Shown Below:

LEAD DESIG.	ALL 202B K.T.U. ♦ TERM.	16A K.T.U. TERM.
ST	36	4

5.02f

Run Straps as Shown Below:

LINE NO. IN SYS.	LEAD DESIG.	212A K.T.U.	202B K.T.U.	
4	R T R1 T1	TERM. STRIP "C" TERM. 18	1st 202B K.T.U. TERM. 32	
		17		31
		20		34
		19		33
	LF LB	TERM. STRIP "B" TERM. 17		
		18		17
				18
5	R T R1 T1	TERM. STRIP "C" TERM. 28	2nd 202B K.T.U. TERM. 32	
		27		31
		30		34
		29		33
	LF LB	TERM. STRIP "B" TERM. 27		
		28		17
				18
6	R T R1 T1	TERM. STRIP "C" TERM. 38	3rd 202B K.T.U. TERM. 32	
		37		31
		40		34
		39		33
	LF LB	TERM. STRIP "B" TERM. 37		
		38		17
				18

(Continued on Next Page)

**TABLE 5.02 (Continued)**

5.02g

**Run Straps as Shown Below:**

LINE NO. IN SYS.	LEAD DESIG.	202B K.T.U. TERM.	210A K.T.U. TERM.
4	LW LB	1st 202B K.T.U. TERM. 10 9	7 8
		2nd 202B K.T.U. TERM. 10 9	9 10
6	WINK CKT. FOR 6th LINE CANNOT BE PROVIDED UNLESS A 2nd 210A AND 209A OR 212A K.T.U. IS USED		

Notes: ✕ Loop strap between each 202B and from last 202B to the 211A K.T.U.

◆ Loop strap between each 202B and from last 202B to the 16A K.T.U.

Reference: SD-69203-0107, Fig. 24

SD-69203-0123, Fig. 57

SD-69203-01, Fig. 68

SD-69203-0121, Fig. 55

SD-69203-01, Fig. 67

**TABLE 5.03**

**CONNECTIONS BETWEEN COMBINED SYSTEM FLASHING, TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (212A) AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (202A) AND BETWEEN CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (202B) AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (202A) AND BETWEEN CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (202A) AND WINK UNIT (210A) — EXISTING INSTALLATIONS — ADDITION OF LINE USING 202A K.T.U. WHERE OTHER UNITS ARE 202B**

**Select Subtable for Features Provided as Shown in the Index Immediately Below:**

TYPE OF STRAPPING	FEATURES PROVIDED		CONNECTIONS SHOWN ON SUBTABLE
	WINK	AUD. SIG. CONTROL	
COMMON			<b>α, b, and c</b>
	√		<b>α and c</b>
		√	<b>α and b</b>
INDIVIDUAL LINE	√	√	<b>α</b>
			<b>d</b>
		√	<b>d</b>
	√		<b>d and e</b>
	√		<b>d and e</b>

5.03a

**Run Straps as Shown Below:**

LEAD DESIG.	202B K.T.U. TERM.	202A K.T.U. TERM.
TO	27	21
CO	28	22
HA	37	23
LK	38	24
LAMP GRD	40	30
LAMP POWER	39	31
B1	8	33
COM RING POWER	19	36
"B" BAT	29	38
ST *	36	39
"B" GRD	30	40

**TABLE 5.03**  
**(Continued)**

5.03b

**Run Strap on Each 202A K.T.U. Between Terminals as Shown Below:**

WIRING OPTION	TERM.	202A K.T.U.	TERM.
"Z"	26	—————	27

5.03c

**Run Strap on Each 202A K.T.U. Between Terminals as Shown Below:**

WIRING OPTION	TERM.	202A K.T.U.	TERM.
"S"	39	—————	40

5.03d

**Run Straps as Shown Below:**

LINE NO. IN SYS.	LEAD DESIG.	212A K.T.U.	202A K.T.U. TERM.
5	R T R1 T1	<b>TERM. STRIP "C"</b>	
		TERM.	
		28	2
		27	1
	LF LB	30	4
		29	3
6	R T R1 T1	<b>TERM. STRIP "B"</b>	
		TERM.	
		27	25
		28	26
	LF LB	38	2
		37	1
LF LB	40	4	
	39	3	
	37	25	
	38	26	

5.03e

**Run Straps as Shown Below:**

LINE NO. IN SYS.	LEAD DESIG.	202A K.T.U. TERM.	210A K.T.U. TERM.
5	LW	27	9
	LB	26	10
6	<b>WINK CKT. FOR 6th LINE CANNOT BE PROVIDED UNLESS A 2nd 210A AND 209A OR 212A K.T.U. IS USED</b>		

**Note:** ★ Run this strap only when audible signal control circuit is provided.Reference: SD-69203-0117, Fig. 51  
SD-69203-0123, Fig. 57SD-69203-01, Fig. 67  
SD-69203-01, Fig. 68

**TABLE 5.04**

**CONNECTIONS BETWEEN CENTRAL OFFICE OR PRIVATE  
BRANCH EXCHANGE LINE UNIT (202B) AND WINK UNIT  
(210A)—EXISTING INSTALLATIONS—ADDITION OF WINK  
AND/OR AUDIBLE SIGNAL CONTROL CIRCUITS—LINES FOUR  
THROUGH SIX**

See Table 5.01 for Common Strapping Connections Between System Combined Flashing, Time-out, and Central Office or Private Branch Exchange Line Unit (212A), Wink Unit (210A), and Audible Signal Control Unit (211A or 16A).

Select Subtable for Features Being Added as Shown in the Index Immediately Below:

TYPE OF STRAPPING	FEATURES BEING ADDED		TYPE OF K.T.U. USED AS AUD. SIG. CONTROL UNIT	CONNECTIONS SHOWN ON SUBTABLE
	WINK	AUD. SIG. CONTROL		
<b>COMMON</b>	✓		—	<b>α</b>
		✓	<b>211A 16A</b>	<b>b</b>
	✓	✓	<b>211A 16A</b>	<b>α and b</b>
			—	<b>NONE REQUIRED</b>
<b>INDIVIDUAL LINE</b>		✓	—	<b>NONE REQUIRED</b>
	✓		—	<b>c</b>
	✓	✓	—	<b>c</b>
			—	<b>NONE REQUIRED</b>

5.04α

Remove Strap on Each 202B K.T.U. Between Terminals as Shown Below:

LEAD DESIG.	TERM.	202B K.T.U.	TERM.
<b>"Z" WIRING</b>	<b>9</b>	—————	<b>10</b>

5.04b

Remove Strap on Each 202B K.T.U. Between Terminals as Shown Below:

LEAD DESIG.	TERM.	202B K.T.U.	TERM.
<b>"S" WIRING</b>	<b>26</b>	—————	<b>36</b>

Run Strap as Shown Below:

LEAD DESIG.	212A K.T.U. TERM. STRIP "A" TERM.	202B K.T.U. TERM.
<b>ST</b>	<b>36</b>	<b>36</b>

(Continued on Next Page)

**TABLE 5.04**  
(Continued)

5.04c

Run Straps as Shown Below:

LINE NO.	LEAD DESIG.	202B K.T.U.	210A K.T.U. TERM.
4	LW LB	1st 202B K.T.U. TERM. 10 9	7 8
5	LW LB	2nd 202B K.T.U. TERM. 10 9	9 10

Reference: SD-69203-0123, Fig. 57  
SD-69203-01, Fig. 67  
SD-69203-01, Fig. 68

**CONNECTIONS BETWEEN CENTRAL OFFICE OR PRIVATE  
BRANCH EXCHANGE LINE UNIT (202A) AND WINK UNIT  
(210A) — EXISTING INSTALLATIONS — ADDITION OF WINK  
AND/OR AUDIBLE SIGNAL CONTROL CIRCUITS—LINES FIVE  
AND SIX**

**TABLE 5.05**

Select Subtable for Features Being Added as Shown in the Index Immediately Below:

TYPE OF STRAPPING	FEATURES BEING ADDED		TYPE OF K.T.U. USED FOR AUD. SIG. CONTROL UNIT	CONNECTIONS SHOWN ON SUBTABLE
	WINK	AUD. SIG. CONTROL		
COMMON	√		—	a
		√	211A 16A	b
	√	√	211A 16A	a and b
INDIVIDUAL LINE			—	NONE REQUIRED
		√	—	NONE REQUIRED
	√		—	c
	√	√	—	c

5.05α

Remove Strap on Each 202A K.T.U. Between Terminals as Shown Below:

LEAD DESIG.	TERM.	202A K.T.U.	TERM.
"Z" WIRING	26	—————	27

(Continued on Next Page)

**TABLE 5.05**  
**(Continued)**

5.05b

**Remove Strap on Each 202A K.T.U. Between Terminals as Shown Below:**

LEAD DESIG.	202A K.T.U.	
	TERM.	TERM.
<b>"S" WIRING</b>	<b>39</b>	<b>40</b>

**Run Strap as Shown Below:**

LEAD DESIG.	202B K.T.U. TERM.	202A K.T.U. TERM.
<b>ST</b>	<b>36</b>	<b>39</b>

5.05c

**Run Straps as Shown Below:**

LINE NO.	LEAD DESIG.	202A K.T.U. TERM.	210A K.T.U. TERM.
<b>5</b>	<b>LW</b> <b>LB</b>	<b>27</b> <b>26</b>	<b>9</b> <b>10</b>

Reference: SD-69203-0117, Fig. 51  
SD-69203-0123, Fig. 57  
SD-69203-01, Fig. 68

TABLE 5.06

**CONNECTIONS BETWEEN SYSTEM COMBINED FLASHING,  
TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EX-  
CHANGE LINE UNIT (212A) AND CIRCUIT FUSE UNIT (201A)**

Select Only the Subtables Applicable to Installation and Run Straps as Shown Below:

SUB-TABLE	TYPE OF POWER AND USE		LEAD DESIG.	K.T.U. USED	CKT. FUSE 201A K.T.U. TERM.
<b>a</b>	LOW VOLTAGE AC OR DC USED FOR COMMON BUZZER		SIG POWER SIG GRD	212A K.T.U. TERM. STRIP "A" TERM. 19 20	10 19
<b>b</b>	LOW VOLTAGE AC OR DC USED FOR LAMPS (NOT OVER 36 LAMPS USED IN 1A1 SYS.)		LAMP POWER LAMP GRD	39 40	12 20
<b>c</b>	LOW VOLTAGE AC OR DC USED FOR LAMPS (OVER 36 LAMPS USED IN 1A1 SYS.)	LINE NO. 1, 2, 3	LAMP POWER LAMP GRD	39 40	12 20
		LINE NO. 4, 5, 6	LAMP POWER LAMP GRD	1st 202B K.T.U. TERM. 39 40	14 20
<b>d</b>	18-24V DC USED FOR RELAY SUPPLY		BAT GRD	212A K.T.U. TERM. STRIP "A" TERM. 29 30	4 16

Reference: SD-69203-0125, Fig. 66

SD-69203-01, Fig. 67

SD-69203-01, Fig. 68

**CONNECTIONS BETWEEN SYSTEM COMBINED FLASHING,  
TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EX-  
CHANGE LINE UNIT (212A) AND RINGING LAMP UNIT (211A  
OR 11A)**

TABLE 5.07

Select the One Subtable Applicable to Installation and Run Straps as Shown Below:

SUB-TABLE	LEAD DESIG.	K.T.U. USED AS CO OR PBX LINE UNIT	K.T.U. USED AS RINGING LAMP UNIT
<b>a</b>	105V± RING GRD	212A K.T.U. TERM. STRIP "A" TERM. 19 20	211A K.T.U. TERM. 14 16
<b>b</b>	105V± RING GRD	212A K.T.U. TERM. STRIP "A" TERM. 19 20	11A K.T.U. TERM. 4 1

Reference: SD-69203-0106, Fig. 22

SD-69203-0121, Fig. 55

SD-69203-01, Fig. 67

TABLE 5.08

**CONNECTIONS BETWEEN 101G POWER PLANT AND/OR TRANSFORMERS AND/OR STATIC RINGING GENERATOR AND SYSTEM COMBINED FLASHING, TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (212A)**

Select Only the Subtables Applicable to Installation and Make Connections as Shown Below:

**5.08a LOCAL WIRING OR INCOMING CABLE FROM 101G POWER PLANT \***

SUB-TABLE NO.	TYPE OF POWER AND USE	LEAD DESIG.	101G POWER PLANT TERM.	INCOMING CABLE			212A Term Strip "A" TERM.
				PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
					CONDUCTOR COLOR		
1	GENERATOR USED FOR COMMON RINGER	105V±	105V±	16	R	R	19
		RING GRD	RING GRD		W	W	20
2	18V AC USED FOR COMMON BUZZER	18V±	18V±	15	G-W	S	19
		GRD	GRD		W	BK	20
3	10V AC USED FOR LAMPS (NOT OVER 36 LAMPS USED IN 1A1 SYSTEM)	10V±	10V±	11	O-W(W)	BL(BK)	39
				12	O-G(W)	O(BK)	
				13	O-BR(W)	G(BK)	
				14	O-S(W)	BR(BK)	
		GRD	GRD	11	W(O-W)	BK(BL)	40
				12	W(O-G)	BK(O)	
				13	W(O-BR)	BK(G)	
				14	W(O-S)	BK(BR)	
4	20V DC USED FOR RELAY SUPPLY	BAT	20V DC TALK	7	BL-O(W)	O(R)	29
				8	BL-G(W)	G(R)	
		GRD	GRD	7	W(BL-O)	R(O)	30
				8	W(BL-G)	R(G)	

**5.08b RUNNING CABLE FROM 101G POWER PLANT**

SUB-TABLE NO.	TYPE OF POWER AND USE	LEAD DESIG.	101G POWER PLANT TERM.	RUNNING CABLE			212A Term Strip "A" TERM.
				PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
					CONDUCTOR COLOR		
1	GENERATOR USED FOR COMMON RINGER	105V±	105V±	45	S	S-W	19
		RING GRD	RING GRD		BK	Y	20
2	18V AC USED FOR COMMON BUZZER	18V±	18V±	44	BR	BR-W	19
		GRD	GRD		BK	Y	20
3	10V AC USED FOR LAMPS (NOT OVER 36 LAMPS USED IN 1A1 SYSTEM)	10V±	10V±	40	S-W(R)	S-W(BK)	39
				41	BL(BK)	BL-W(Y)	
				42	O(BK)	O-W(Y)	
				43	G(BK)	G-W(Y)	
		GRD	GRD	40	R(S-W)	BK(S-W)	40
				41	BK(BL)	Y(BL-W)	
				42	BK(O)	Y(O-W)	
				43	BK(G)	Y(G-W)	
4	20V DC USED FOR RELAY SUPPLY	BAT	BAT	36	G-BR(R)	BL-W(BK)	29
				37	G-S(R)	O-W(BK)	
		GRD	GRD	36	R(G-BR)	BK(BL-W)	30
				37	R(G-S)	BK(O-W)	

(Continued on Next Page)

**TABLE 5.08  
(Continued)****5.08c LOCAL WIRING OR INCOMING CABLE FROM TRANSFORMER—LAMP SUPPLY ✕**

TYPE OF POWER AND USE	LEAD DESIG.	393A Transformer TERM.	INCOMING CABLE			212A K.T.U. Term. Strip "A" TERM.
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
CONDUCTOR COLOR						
10V AC USED FOR LAMPS (NOT OVER 36 LAMPS USED IN 1A1 SYS.)	10V ±	10V ±	11	O-W(W)	BL(BK)	39
			12	O-G(W)	O(BK)	
			13	O-BR(W)	G(BK)	
			14	O-S(W)	BR(BK)	
	GRD	GRD	11	W(O-W)	BK(BL)	40
			12	W(O-G)	BK(O)	
			13	W(O-BR)	BK(G)	
			14	W(O-S)	BK(BR)	

**5.08d RUNNING CABLE FROM TRANSFORMER—LAMP SUPPLY**

TYPE OF POWER AND USE	LEAD DESIG.	393A Transformer TERM.	RUNNING CABLE			212A K.T.U. Term. Strip "A" TERM.
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
CONDUCTOR COLOR						
10V AC USED FOR LAMPS (NOT OVER 36 LAMPS USED IN 1A1 SYS.)	10V ±	10V ±	40	S-W(R)	S-W(BK)	39
			41	BL(BK)	BL-W(Y)	
			42	O(BK)	O-W(Y)	
			43	G(BK)	G-W(Y)	
	GRD	GRD	40	R(S-W)	BK(S-W)	40
			41	BK(BL)	Y(BL-W)	
			42	BK(O)	Y(O-W)	
			43	BK(G)	Y(G-W)	

**5.08e LOCAL WIRING OR INCOMING CABLE FROM TRANSFORMER—BUZZER SUPPLY ✕**

TYPE OF POWER AND USE	LEAD DESIG.	KS-5714,L3 Transformer TERM.	INCOMING CABLE			212A K.T.U. Term. Strip "A" TERM.
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
CONDUCTOR COLOR						
18V AC USED FOR COMMON BUZZER	18V ±	18V ±	15	G-W	S	19
	GRD	GRD		W	BK	20

(Continued on Next Page)

**TABLE 5.08**  
**(Continued)****5.08f RUNNING CABLE FROM TRANSFORMER—BUZZER SUPPLY**

TYPE OF POWER AND USE	LEAD DESIG.	KS-5714,L3 Transformer TERM.	RUNNING CABLE			212A K.T.U. Term. Strip "A" TERM.
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR			
<b>18V AC USED FOR COMMON BUZZER</b>	<b>18V ±</b>	<b>18V ±</b>	<b>44</b>	<b>BR</b>	<b>BR-W</b>	<b>19</b>
	<b>GRD</b>	<b>GRD</b>		<b>BK</b>	<b>Y</b>	<b>20</b>

**5.08g LOCAL WIRING OR INCOMING CABLE FROM STATIC RINGING GENERATOR ♦**

TYPE OF POWER AND USE	LEAD DESIG.	Static Ringing Generator TERM.	INCOMING CABLE			212A K.T.U. Term. Strip "A" TERM.
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR			
<b>GENERATOR USED FOR COMMON BUZZER</b>	<b>105V ±</b>	<b>105V ±</b>	<b>16</b>	<b>R</b>	<b>R</b>	<b>19</b>
	<b>RING GRD</b>	<b>RING GRD</b>		<b>W</b>	<b>W</b>	<b>20</b>

**5.08h RUNNING CABLE FROM STATIC RINGING GENERATOR**

TYPE OF POWER AND USE	LEAD DESIG.	Static Ringing Generator TERM.	RUNNING CABLE			212A K.T.U. Term. Strip "A" TERM.
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR			
<b>GENERATOR USED FOR COMMON BUZZER</b>	<b>105V ±</b>	<b>105V ±</b>	<b>45</b>	<b>S</b>	<b>S-W</b>	<b>19</b>
	<b>RING GRD</b>	<b>RING GRD</b>		<b>BK</b>	<b>Y</b>	<b>20</b>

Notes: ★ When local wiring is used, connect terminals on 101G power plant to terminals on sys. comb. flash., time-out, and CO or PBX line unit (212A) with 20-gauge copper wire.

✕ When local wiring is used, connect terminals on transformer to terminals on sys. comb. flash., time-out, and CO or PBX line unit (212A) with 20-gauge copper wire.

♦ When local wiring is used, connect terminals on static ringing generator to terminals on sys. comb. flash., time-out, and CO or PBX line unit (212A) with 20-gauge copper wire.

Reference: SD-69203-01, Fig. 67

**CONNECTIONS BETWEEN CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, BUILDING, OR LOCAL BATTERY SUPPLY AND SYSTEM COMBINED FLASHING, TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (212A)**

**TABLE 5.09**

Select Only the Subtables Applicable to Installation and Make Connections as Shown Below:

**5.09a INCOMING CABLE FROM CO, PBX, BLDG, OR LOCAL BATTERY**

SUB-TABLE NO.	TYPE OF POWER AND USE	LEAD DESIG.	DIST. OR HOUSE CABLE TERM. PAIR	INCOMING CABLE			212A K.T.U. Term Strip "A" TERM.
				PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
					CONDUCTOR COLOR		
1	14-26V DC USED FOR COMMON BUZZER	BAT	PAIR ASSIGNED FOR BATTERY	15	G-W	S	19
		GRD			W	BK	20
2	14-26V DC USED FOR LAMPS (NOT OVER 36 LAMPS USED IN 1A1 SYS.)	BAT	PAIR(S) ASSIGNED FOR LAMP BATTERY	11	O-W(W)	BL(BK)	39
				12	O-G(W)	O(BK)	
		13		O-BR(W)	G(BK)		
		14		O-S(W)	BR(BK)		
3	14-26V DC USED FOR RELAY SUPPLY	BAT	PAIR(S) ASSIGNED FOR BATTERY	7	BL-O(W)	O(R)	29
				8	BL-G(W)	G(R)	
		GRD		7	W(BL-O)	R(O)	30
				8	W(BL-G)	R(G)	

**5.09b RUNNING CABLE FROM CO, PBX, BLDG, OR LOCAL BATTERY**

SUB-TABLE NO.	TYPE OF POWER AND USE	LEAD DESIG.	DIST. OR HOUSE CABLE TERM. PAIR	RUNNING CABLE			212A K.T.U. Term Strip "A" TERM.
				PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
					CONDUCTOR COLOR		
1	14-26V DC USED FOR COMMON BUZZER	BAT	PAIR ASSIGNED FOR BATTERY	44	BR	BR-W	19
		GRD			BK	Y	20
2	14-26V DC USED FOR LAMPS (NOT OVER 36 LAMPS USED IN 1A1 SYS.)	BAT	PAIR(S) ASSIGNED FOR LAMP BATTERY	40	S-W(R)	S-W(BK)	39
				41	BL(BK)	BL-W(Y)	
		42		O(BK)	O-W(Y)		
		43		G(BK)	G-W(Y)		
3	14-26V DC USED FOR RELAY SUPPLY	BAT	PAIR(S) ASSIGNED FOR BATTERY	36	G-BR(R)	BL-W(BK)	29
				37	G-S(R)	O-W(BK)	
		GRD		36	R(G-BR)	BK(BL-W)	30
				37	R(G-S)	BK(O-W)	

Reference: SD-69203-01, Fig. 67

**TABLE 5.10**

**CONNECTIONS BETWEEN SYSTEM COMBINED FLASHING, TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (212A) AND NOISE SUPPRESSION UNIT (211A OR 23A)**

Select the One Subtable Applicable to Installation and Run Straps as Shown Below:

SUB-TABLE	LEAD DESIG.	K.T.U. USED AS CO OR PBX LINE UNIT	K.T.U. USED AS NOISE SUPPRESSION UNIT
<b>a</b>	<b>BAT GRD</b>	<b>212A K.T.U. TERM. STRIP "A" TERM. 29 30</b>	<b>211A K.T.U. TERM. 40 38</b>
<b>b</b>	<b>BAT GRD</b>	<b>212A K.T.U. TERM. STRIP "A" TERM. 29 30</b>	<b>23A K.T.U. TERM. 3 1</b>

Reference: SD-69203-0106, Fig. 23  
SD-69203-0121, Fig. 55  
SD-69203-01, Fig. 67

**TABLE 5.11**

**CONNECTIONS BETWEEN SYSTEM COMBINED FLASHING, TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (212A) AND COMMON AUDIBLE SIGNAL CONTROL UNIT (211A OR 16A) WHEN SAME TYPE OF POWER AND VOLTAGE IS USED FOR BOTH UNITS**

Select the One Subtable Applicable to Installation and Run Straps as Shown Below:

SUB-TABLE	LEAD DESIG.	K.T.U. USED AS CO OR PBX LINE UNIT	K.T.U. USED AS COMMON AUD. SIG. CONTROL UNIT
<b>a</b>	<b>COM RING POWER COM RING GRD</b>	<b>212A K.T.U. TERM. STRIP "A" TERM. 19 20</b>	<b>211A K.T.U. TERM. 11 10</b>
<b>b</b>	<b>COM RING POWER COM RING GRD</b>	<b>212A K.T.U. TERM. STRIP "A" TERM. 19 20</b>	<b>16A K.T.U. TERM. 7 3</b>

Reference: SD-69203-0107, Fig. 24  
SD-69203-0121, Fig. 55  
SD-69203-01, Fig. 67

**INCOMING LINES FROM CENTRAL OFFICE OR PRIVATE  
BRANCH EXCHANGE**
**TABLE 5.12**

If Lines from CO or PBX are Brought in Through Incoming Cable, Use Columns 1, 2, and 3 below:

If Lines from CO or PBX are Brought in Through Running Cable, Use Columns 1, 3, and 4 below:

Make Connections as Shown Below:

COL. 1	COL. 2		COL. 3		COL. 4			
LEAD DESIG.	INCOMING CABLE		K.T.U. AND LINE NO. IN SYS.		RUNNING CABLE			
	PAIR NO.	"C" INSIDE WIRING			"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
		CONDUCTOR COLOR			CONDUCTOR COLOR			
<b>R T</b>	<b>1</b>	<b>BL W</b>	<b>BL W</b>	<b>1</b>	<b>212A K.T.U. TERM. STRIP "A" TERM. 32 31</b>	<b>46</b>	<b>BL-W BK</b>	<b>BL-W V</b>
<b>R T</b>	<b>2</b>	<b>O W</b>	<b>O W</b>	<b>2</b>	<b>212A K.T.U. TERM. STRIP "B" TERM. 32 31</b>	<b>47</b>	<b>BL-O BK</b>	<b>O-W V</b>
<b>R T</b>	<b>3</b>	<b>G W</b>	<b>G W</b>	<b>3</b>	<b>212A K.T.U. TERM. STRIP "C" TERM. 32 31</b>	<b>48</b>	<b>BL-G BK</b>	<b>G-W V</b>
<b>R T</b>	<b>4</b>	<b>BR W</b>	<b>BR W</b>	<b>4</b>	<b>1st 202B K.T.U. TERM. 32 31</b>	<b>49</b>	<b>BL-BR BK</b>	<b>BR-W V</b>
<b>R T</b>	<b>5</b>	<b>S W</b>	<b>S W</b>	<b>5</b>	<b>2nd 202B K.T.U. TERM. 32 31</b>	<b>50</b>	<b>BL-S BK</b>	<b>S-W V</b>
<b>R T</b>	<b>6</b>	<b>BL-W W</b>	<b>BL R</b>	<b>6</b>	<b>3rd 202B K.T.U. TERM. 32 31</b>	<b>51</b>	<b>O-W BK</b>	<b>BL-R W</b>

Reference: SD-69203-01, Fig. 67  
SD-69203-01, Fig. 68

TABLE 5.13

**KEY OR RUNNING CABLE TO KEY TELEPHONE UNITS FOR  
USE WITH ALL 1A1 SYSTEM KEY TELEPHONE SETS EXCEPT  
565A SETS**

**Connect Key or Running Cable Pairs to Key Telephone Units as Shown Below:**

LINE NO. IN SYS.	LEAD DESIG.	KEY OR RUNNING CABLE			212A AND 202B K.T.U.
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR		
1	R T	1	BL W	BL W	<b>212A K.T.U. TERM. STRIP "A" TERM.</b>  2, 12, or 22 1, 11, or 21
	Al A	2	O W	O W	6, 16, or 26 3, 13, or 23
	L LG	16	G-BR W	BL Y	4, 14, or 24 5, 15, or 25
2	R T	3	G W	G W	<b>212A K.T.U. TERM. STRIP "B" TERM.</b>  2, 12, or 22 1, 11, or 21
	Al A	4	BR W	BR W	6, 16, or 26 3, 13, or 23
	L LG	17	G-S W	O Y	4, 14, or 24 5, 15, or 25
3	R T	5	S W	S W	<b>212A K.T.U. TERM. STRIP "C" TERM.</b>  2, 12, or 22 1, 11, or 21
	Al A	6	BL-W W	BL R	6, 16, or 26 3, 13, or 23
	L LG	18	BR-W W	G Y	4, 14, or 24 5, 15, or 25

(Continued on Next Page)

**TABLE 5.13  
(Continued)**

LINE NO. IN SYS.	LEAD DESIG.	KEY OR RUNNING CABLE			212A AND 202B K.T.U.
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR		
4	R T	7	BL-O W	O R	<b>1st 202B K.T.U. TERM.</b>  2, 12, or 22 1, 11, or 21
	A1 A	8	BL-G W	G R	6, 16, or 26 3, 13, or 23
	L LG	19	BR-S W	BR Y	4, 14, or 24 5, 15, or 25
5	R T	9	BL-BR W	BR R	<b>2nd 202B K.T.U. TERM.</b>  2, 12, or 22 1, 11, or 21
	A1 A	10	BL-S W	S R	6, 16, or 26 3, 13, or 23
	L LG	20	S-W W	S Y	4, 14, or 24 5, 15, or 25
6*	R T	22	O R	O V	<b>3rd 202B K.T.U. TERM.</b>  2, 12, or 22 1, 11, or 21
	A1 A	23	G R	G V	6, 16, or 26 3, 13, or 23
	L LG	24	BR R	BR V	4, 14, or 24 5, 15, or 25

Note: \* Running cable only.

Reference: SD-69203-01, Fig. 67  
SD-69203-01, Fig. 68

TABLE 5.14

**KEY OR RUNNING CABLE TO KEY TELEPHONE UNITS FOR USE  
WITH 565A KEY TELEPHONE SETS**

**Connect Key or Running Cable Pairs to Key Telephone Units as Shown Below:**

LINE NO. IN SYS.	LEAD DESIG.	KEY OR RUNNING CABLE			212A AND 202B K.T.U.
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR		
1	R T	1	BL W	BL W	<b>212A K.T.U. TERM. STRIP "A" TERM.</b>  2, 12, or 22 1, 11, or 21
	Al A	7	BL-O W	O R	6, 16, or 26 3, 13, or 23
	L LG	16	G-BR W	BL Y	4, 14, or 24 5, 15, or 25
2	R T	2	O W	O W	<b>212A K.T.U. TERM. STRIP "B" TERM.</b>  2, 12, or 22 1, 11, or 21
	Al A	— 8	— BL-G(W)	— G(R)	6, 16, or 26 3, 13, or 23
	L LG	17	G-S W	O Y	4, 14, or 24 5, 15, or 25
3	R T	3	G W	G W	<b>212A K.T.U. TERM. STRIP "C" TERM.</b>  2, 12, or 22 1, 11, or 21
	Al A	— 8	— W(BL-G)	— R(G)	6, 16, or 26 3, 13, or 23
	L LG	18	BR-W W	G Y	4, 14, or 24 5, 15, or 25

(Continued on Next Page)

**TABLE 5.14**  
**(Continued)**

LINE NO. IN SYS.	LEAD DESIG.	KEY OR RUNNING CABLE			212A AND 202B K.T.U.
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR		
4	R T	4	BR W	BR W	1st 202B K.T.U. TERM. 2, 12, or 22 1, 11, or 21
	A1 A	9	— BL-BR(W)	— BR(R)	6, 16, or 26 3, 13, or 23
	L LG	19	BR-S W	BR Y	4, 14, or 24 5, 15, or 25
5	R T	5	S W	S W	2nd 202B K.T.U. TERM. 2, 12, or 22 1, 11, or 21
	A1 A	9	— W(BL-BR)	— R(BR)	6, 16, or 26 3, 13, or 23
	L LG	20	S-W W	S Y	4, 14, or 24 5, 15, or 25
6	R T	6	BL-W W	BL R	3rd 202B K.T.U. TERM. 2, 12, or 22 1, 11, or 21
	A1 A	10	— BL-S(W)	— S(R)	6, 16, or 26 3, 13, or 23
	L LG	15	G-W W	S BK	4, 14, or 24 5, 15, or 25

Reference: SD-69203-01, Fig. 67  
SD-69203-01, Fig. 68

KEY OR RUNNING CABLE TO KEY TELEPHONE UNITS FOR  
ALL 1A1 SYSTEM KEY TELEPHONE SETS

Select Subtable for Common Audible Signal Connections as Shown in the Index Below:

NO. OF COMMON AUD. SIG. CKT. PROVIDED	TYPE OF CABLE	RINGER LOCATION	TYPE OF K.T.U. USED		
			SEE SUBTABLES a1, a2	16A	211A
1	KEY	IN KEY TEL. SET	CONTINUOUS RINGING a1	b1	c1
		OUTSIDE KEY TEL. SET	a2	b2	c2
	RUNNING	ALL	a1	b2	c2
2	KEY	IN KEY TEL. SET	FIRST AUD. SIG. CONTROL CKT. a1	SECOND AUD. SIG. CONTROL CKT. b1 c1	
		OUTSIDE KEY TEL. SET	a2	b2	c2
	RUNNING	ALL	a1	b2	c2

5.15a CONTINUOUS RINGING AND FIRST AUDIBLE SIGNAL CONTROL CIRCUIT

SUB-TABLE NO.	LEAD DESIG.	PAIR NO.	KEY OR RUNNING CABLE		212A K.T.U. TERM. STRIP "A" TERM.
			"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR		
a1	R1	12	O-G	O	7*
	B1		W	BK	8
a2	R1	21	BL	BL	7*
	B1		R	V	8

5.15b INTERRUPTED RINGING AND SECOND AUDIBLE SIGNAL CONTROL CIRCUIT

SUB-TABLE NO.	LEAD DESIG.	PAIR NO.	KEY OR RUNNING CABLE		16A K.T.U. TERM.
			"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR		
b1	R1	12	O-G	O	9
	B1		W	BK	3
b2	R1	21	BL	BL	9
	B1		R	V	3

5.15c INTERRUPTED RINGING AND SECOND AUDIBLE SIGNAL CONTROL CIRCUIT

SUB-TABLE NO.	LEAD DESIG.	PAIR NO.	KEY OR RUNNING CABLE		211A K.T.U. TERM.
			"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR		
c1	R1	12	O-G	O	8
	B1		W	BK	9
c2	R1	21	BL	BL	8
	B1		R	V	9

Note: \* Loop strap terminal 7 of terminal strips "A," "B," and "C" on 212A K.T.U. to terminal 7 of all 202B K.T.U. and to terminal 32 of all 202A K.T.U. for lines equipped with these features.

Reference: SD-69203-0107, Fig. 24  
SD-69203-0121, Fig. 55

SD-69203-01, Fig. 67

TABLE 5.16

**STRAPS ON SYSTEM COMBINED FLASHING, TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (212A)—CONNECTIONS BETWEEN SYSTEM COMBINED FLASHING, TIME-OUT, AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (212A) AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (202B)**

Strapping Information for Addition of Wink Circuit and/or Audible Signal Control Circuit is Shown on Table 5.01, Page 4.

Original Factory Strapping for 212A, 200D, and 200E K.T.U. is Shown on Subtables a and b in the Index Immediately Below:

TYPE OF K.T.U.	LINE CAPACITY	CONNECTION SHOWN ON SUBTABLE
212A	3	α
200D	3	α
200E	4	α and b

## 5.16a

Straps Were Run as Shown Below:

LEAD DESIG.	212A K.T.U.					
	TERM. STRIP "A"		TERM. STRIP "B"		TERM. STRIP "C"	
	TERM.	TERM.	TERM.	TERM.	TERM.	TERM.
"Z" WIRING	27	37	9	10	9	10
	9	10				
"S" WIRING	26	36	26	36	26	36

## 5.16b

Straps Were Run as Shown Below:

LEAD DESIG.	202B K.T.U.	
	TERM.	TERM.
"Z" WIRING	9	10
"S" WIRING	26	36

LEAD DESIG.	212A K.T.U.	1st
	TERM. STRIP "A"	202B K.T.U.
	TERM.	TERM.
TO	17	27
CO	18	28
LAMP GRD	40	40
LAMP POWER	39	39
COM RING POWER	19	19
"B" BAT	29	29
"B" GRD	30	30
B1	8	8

(Continued on Next Page)

**TABLE 5.16**  
**(Continued)****5.16b (Continued)**

LEAD DESIG.	212A K.T.U.	1st 202B K.T.U.
	<b>TERM. STRIP "B"</b> <b>TERM.</b>	
<b>LF</b>	<b>17</b>	<b>17</b>
<b>LB</b>	<b>18</b>	<b>18</b>
<b>HA</b>	<b>19</b>	<b>37</b>
<b>LK</b>	<b>20</b>	<b>38</b>
	<b>TERM. STRIP "C"</b> <b>TERM.</b>	
<b>R</b>	<b>18</b>	<b>32</b>
<b>T</b>	<b>17</b>	<b>31</b>
<b>R1</b>	<b>20</b>	<b>34</b>
<b>T1</b>	<b>19</b>	<b>33</b>

Reference: SD-69203-01, Fig. 67  
SD-69203-01, Fig. 68