

**SERVICE**  
**1A1 KEY TELEPHONE SYSTEM**  
**200F, G, AND K PACKAGED KEY TELEPHONE UNITS**

**1. GENERAL**

**1.01** This section provides connections for the 200F (MD), 200G (MD) and 200K (MD) type Key Telephone Units.

**1.02** Information in this section was formerly contained in Sections 518-210-400, 518-210-401, and 518-210-403, respectively, which are hereby canceled.

**1.03** Refer to Division 518, sections entitled: Reference, 1A1, Packaged Key Telephone Units, Identification, and Reference, 1A1, Key Telephone Units, for identification information and functional schematics of the various KTUs.

**2. CONNECTIONS**

**2.01** When 10 volts ac is used for station lamps, the KS-15900, List 1 interrupter may also be operated from the same source. The interrupter

motor load is approximately 300 milliamperes. This is equivalent to about eight 51A lamps.

**2.02** A J86731D, List 1 power plant is provided in the 200K-type key telephone unit to furnish 10-volt ac power.

**2.03** An externally mounted power unit must be provided for the 200F- and G-type KTUs.

**2.04** Tables A, B, and C show the running cable connections for the 200F-, G-, and K-type KTUs, respectively.

**2.05** Fig. 1 and 2, 3 and 4, and 5 and 6 provide strapping between KTUs and power connections for the 200F-, G-, and K-type KTUs, respectively.

**2.06** Table D provides audible and visual signaling options for the 200-type KTUs.

**2.07** For further information, refer to CD- and SD-69352-01 for the 200F-, CD- and SD-69353-01 for the 200G- and CD- and SD-69361-01 for the 200K-type KTUs.

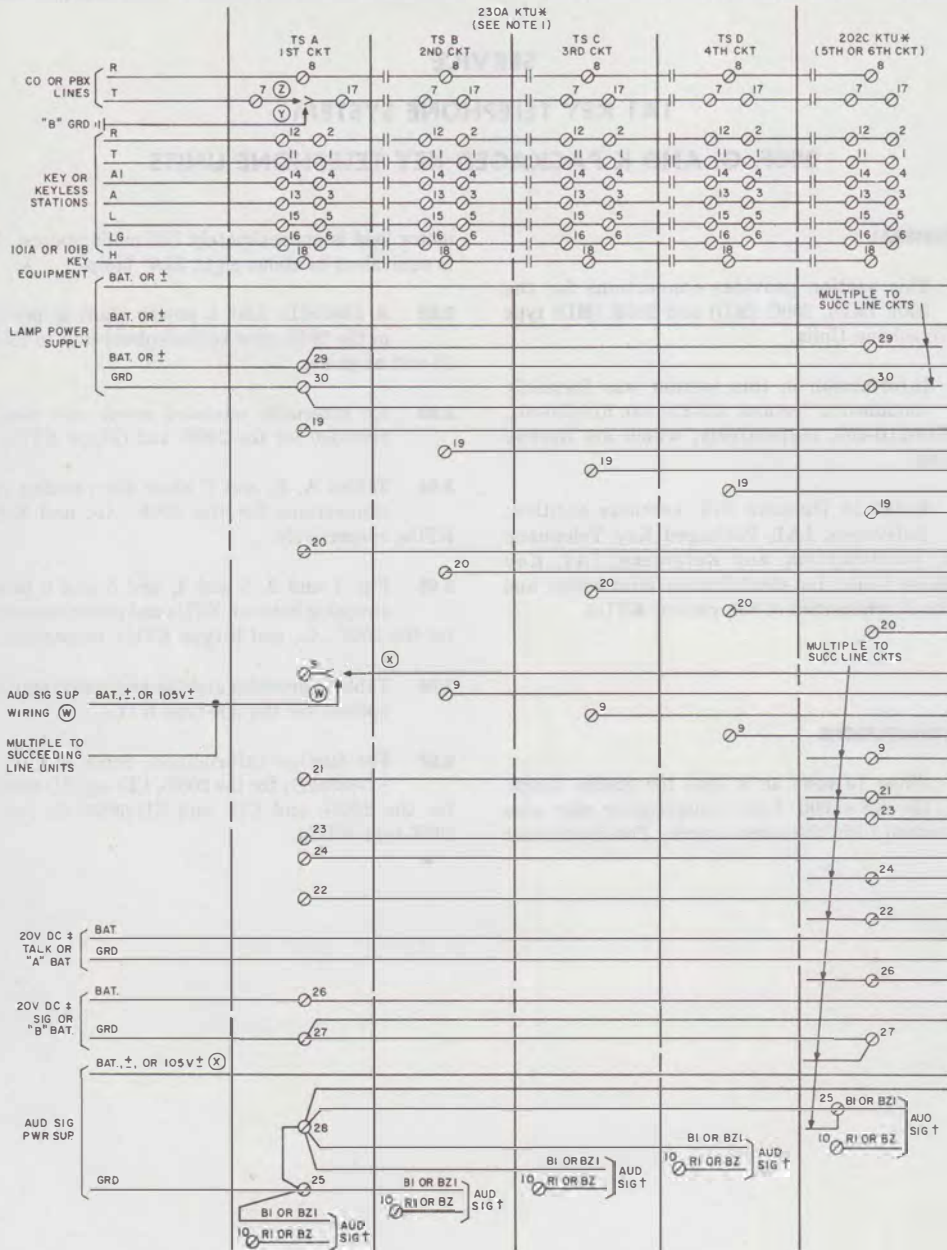
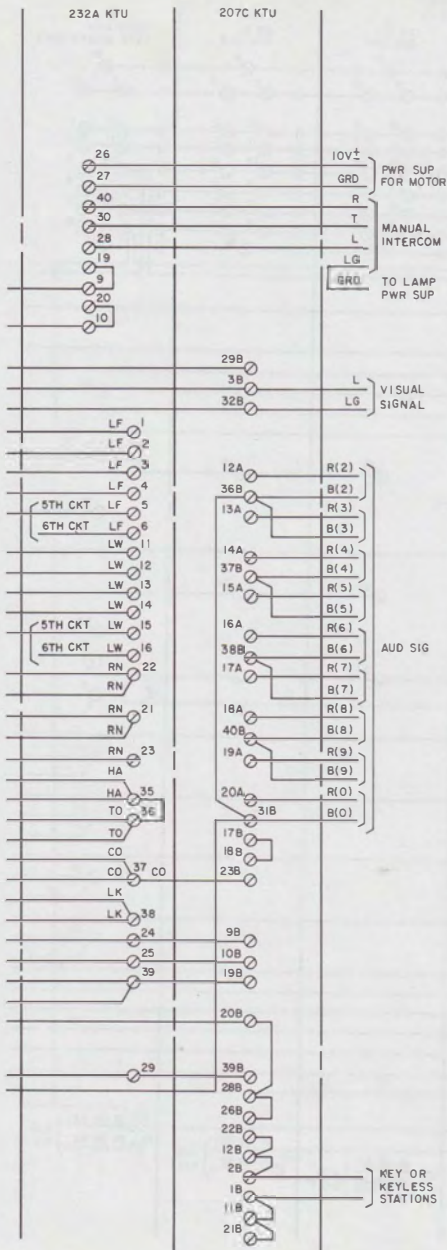


Fig. 1—200F-Type KTU (202C, 230A, 232A, and 207C) Connections and Strappings (Sheet 1)



## NOTES:

1. SYMBOL ( || ) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND.
2. FOR THE 230A BATTERY AND GROUND ARE TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY.
3. MAXIMUM 20 LAMPS PER L LEAD
4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK PROVIDE STRAPS AS FOLLOWS:

202C KTU - TERM. 20 AND 29

230A KTU - TERM. 20 A,B,C,D AND 29A

CAUTION: IF PACKAGE INTERRUPTER IS USED TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TAPE LW LEADS AT TERM. 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE.

\* FURNISHED WIRED FOR METALLIC RINGING AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING, AND STEADY AUDIBLE SEE SECTION ENTITLED "REFERENCE-1A1 KEY TELEPHONE UNITS".

† FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS.

‡ A AND B GROUNDS MUST BE CONNECTED TOGETHER AT POWER SUPPLY.

Fig. 1—200F-Type KTU (202C, 230A, 2232A, and 207C) Connecting and Strappings (Sheet 2)



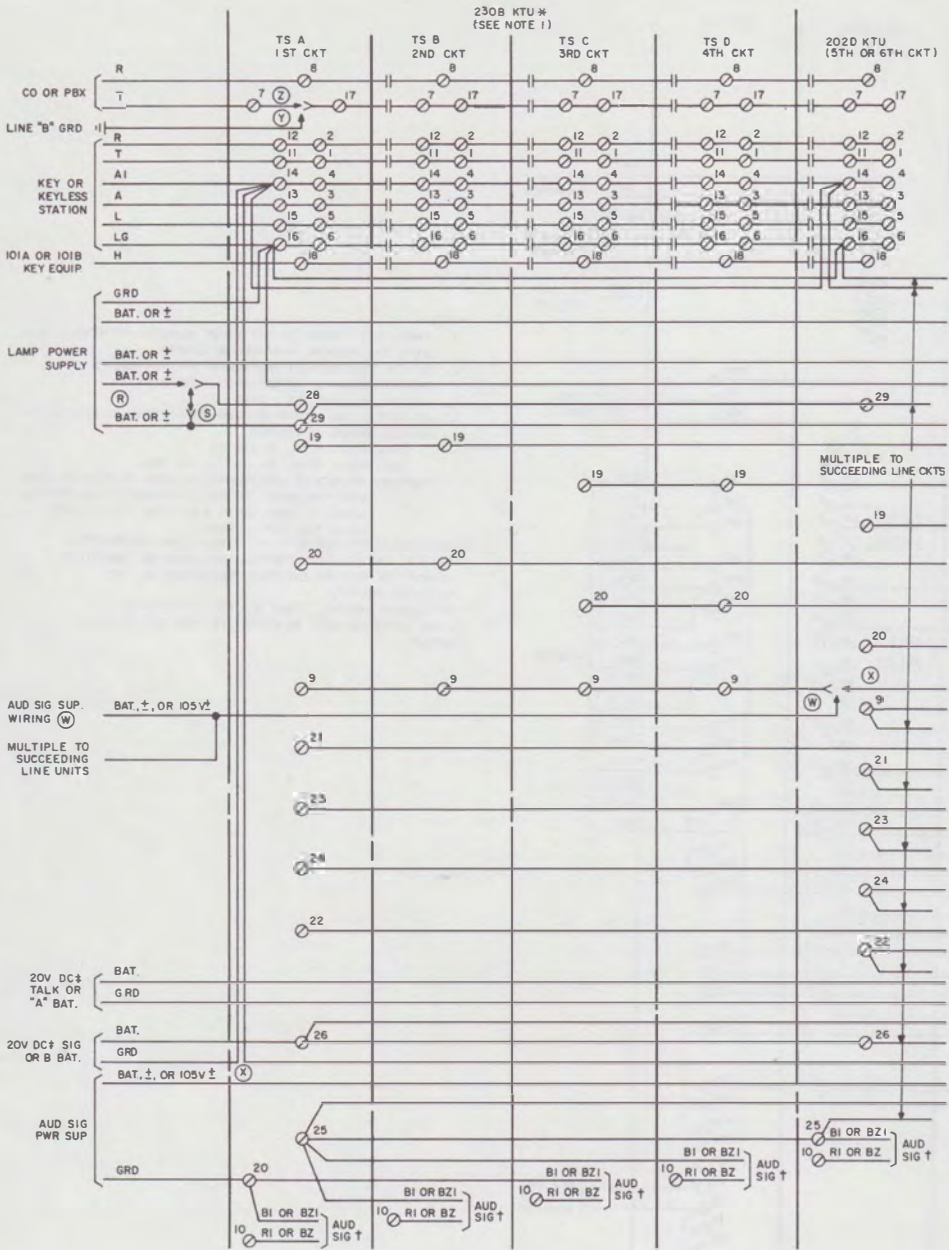
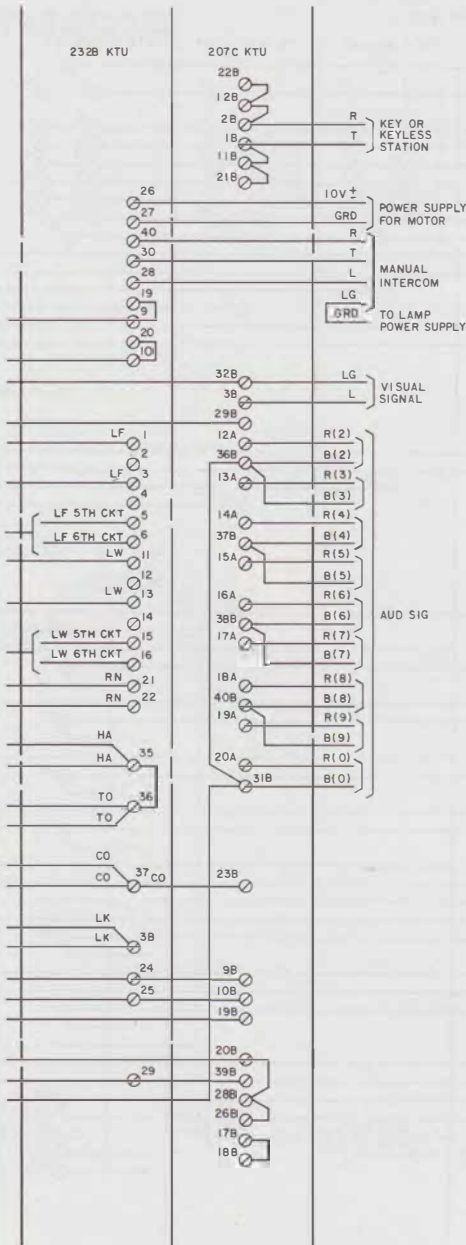


Fig. 2—200F-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 1)



- NOTES:
1. SYMBOL ( || ) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND.
  2. FOR THE 230BKU BATTERY AND GROUND TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY.
  3. MAXIMUM 20 LAMPS PER L LEAD.
  4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK, PROVIDE STRAPS AS FOLLOWS:  
 202D KTU - TERM. 20 AND 29  
 230B KTU - TERM. 20 A,B, AND 29A  
 TERM. 20 C,D AND 28A

CAUTION: IF PACKAGE INTERRUPTER IS USED TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TAPE LW LEADS AT TERMINAL 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE.

\* FURNISHED WIRED FOR METALLIC AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING AND STEADY AUDIBLE. SEE SECTION ENTITLED "REFERENCE-1A1 KEY TELEPHONE UNITS"

† FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS

‡ A AND B GROUNDS MUST BE CONNECTED TOGETHER AT POWER SUPPLY.

Fig. 2—200F-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 2)

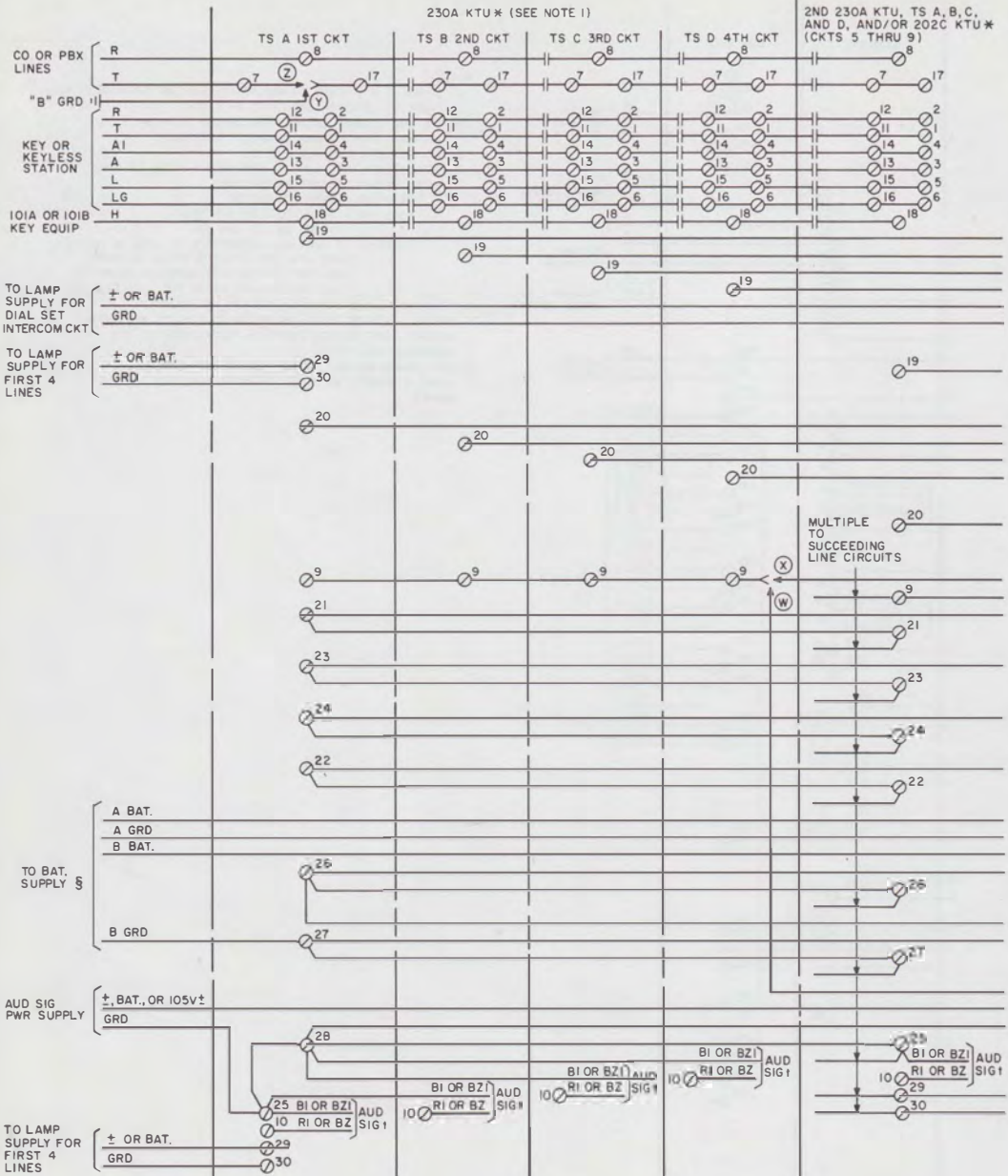
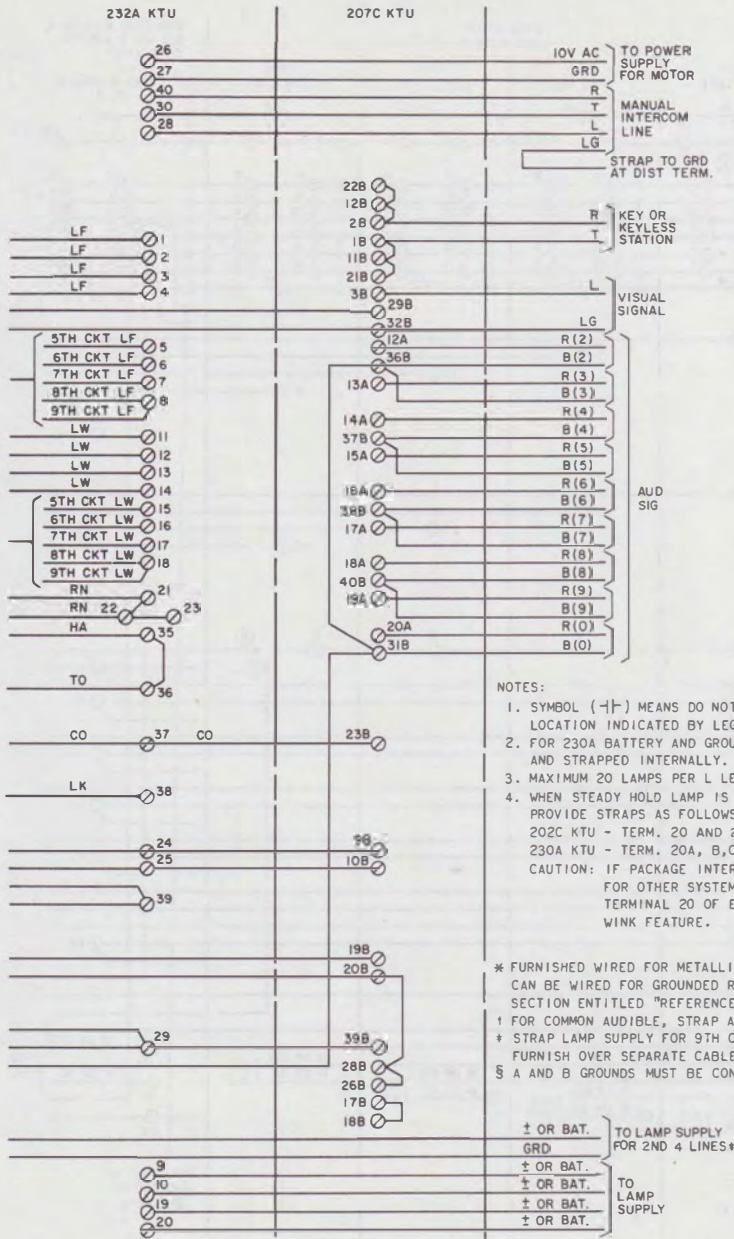


Fig. 3—200G-Type KTU (202C, 230A, 232A, and 207C) Connections and Strappings (Sheet 1)





NOTES:

1. SYMBOL (⊥) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND.
2. FOR 230A BATTERY AND GROUND ARE TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY.
3. MAXIMUM 20 LAMPS PER L LEAD.
4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK, PROVIDE STRAPS AS FOLLOWS:  
 202C KTU - TERM. 20 AND 29  
 230A KTU - TERM. 20A, B,C,D AND 29A  
 CAUTION: IF PACKAGE INTERRUPTER IS USED TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TAPE LW LEADS AT TERMINAL 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE.

\* FURNISHED WIRED FOR METALLIC RINGING AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING AND STEADY AUDIBLE. SEE SECTION ENTITLED "REFERENCE -1A1 KEY TELEPHONE UNITS".  
 † FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS.  
 ‡ STRAP LAMP SUPPLY FOR 9TH CKT FROM 207C KTU, WHEN PROVIDED, OR FURNISH OVER SEPARATE CABLE CONDUCTORS.  
 § A AND B GROUNDS MUST BE CONNECTED TOGETHER.

Fig. 3—200G-Type KTU (202C, 230A, 232A, and 207C) Connections and Strappings (Sheet 2)

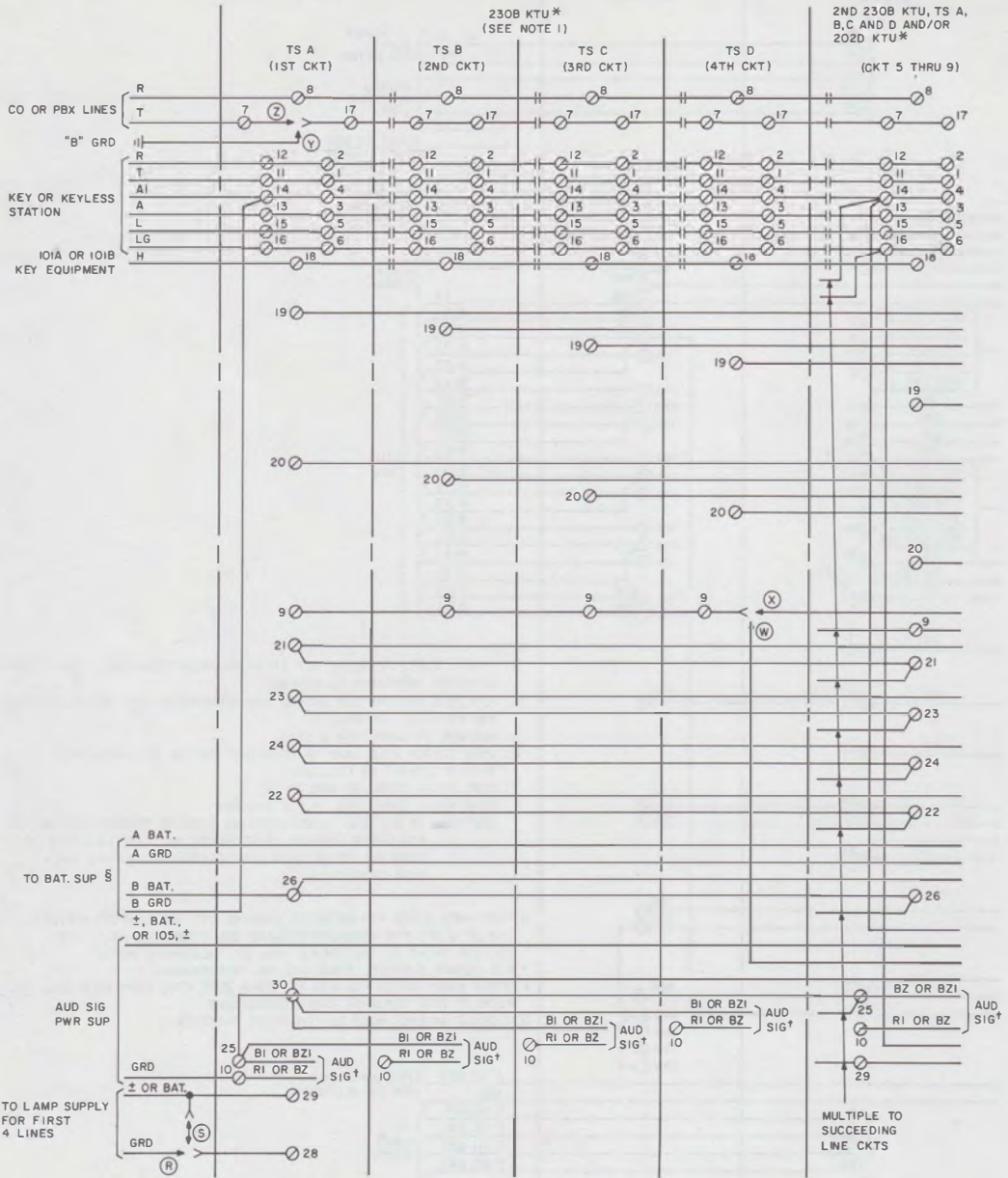
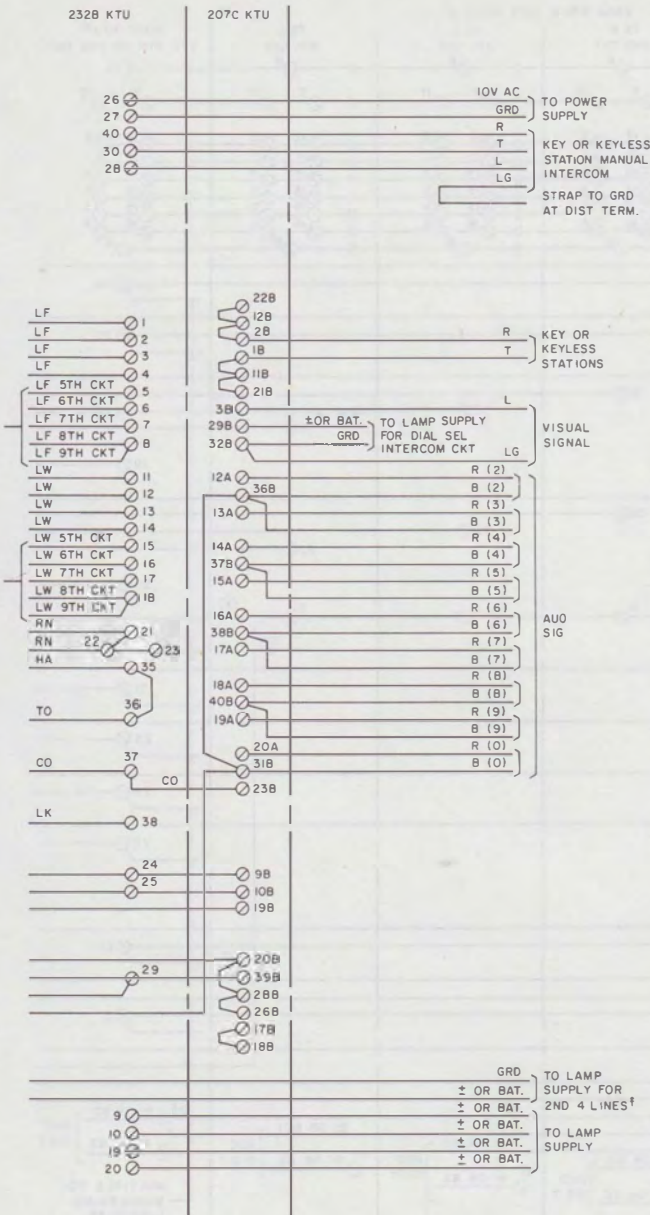


Fig. 4—200G-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 1)





- NOTES:
1. SYMBOL (11) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND.
  2. ON 230B BATTERY AND GROUND ARE TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY.
  3. MAXIMUM 20 LAMPS PER L LEAD.
  4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK, PROVIDE STRAPS AS FOLLOWS:  
 202D KTU - TERM. 20 AND 29  
 230B KTU - TERM. 20A, B AND 29A  
 TERM. 20C, D AND 28A
- CAUTION: IF PACKAGE INTERRUPTER IS USED TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TAPE LW LEADS AT TERMINAL 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE.
- \* FURNISHED WIRED FOR METALLIC RINGING AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING, AND STEADY AUDIBLE SEE SECTION ENTITLED "REFERENCE-1A1 KEY TELEPHONE UNITS".
- † FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS.
- ‡ STRAP LAMP SUPPLY FOR 9TH CKT FROM 207C KTU, WHEN PROVIDED, OR FURNISH OVER SEPARATE CABLE CONDUCTORS.
- § A AND B GROUNDS MUST BE CONNECTED TOGETHER.

Fig. 4—200G-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 2)

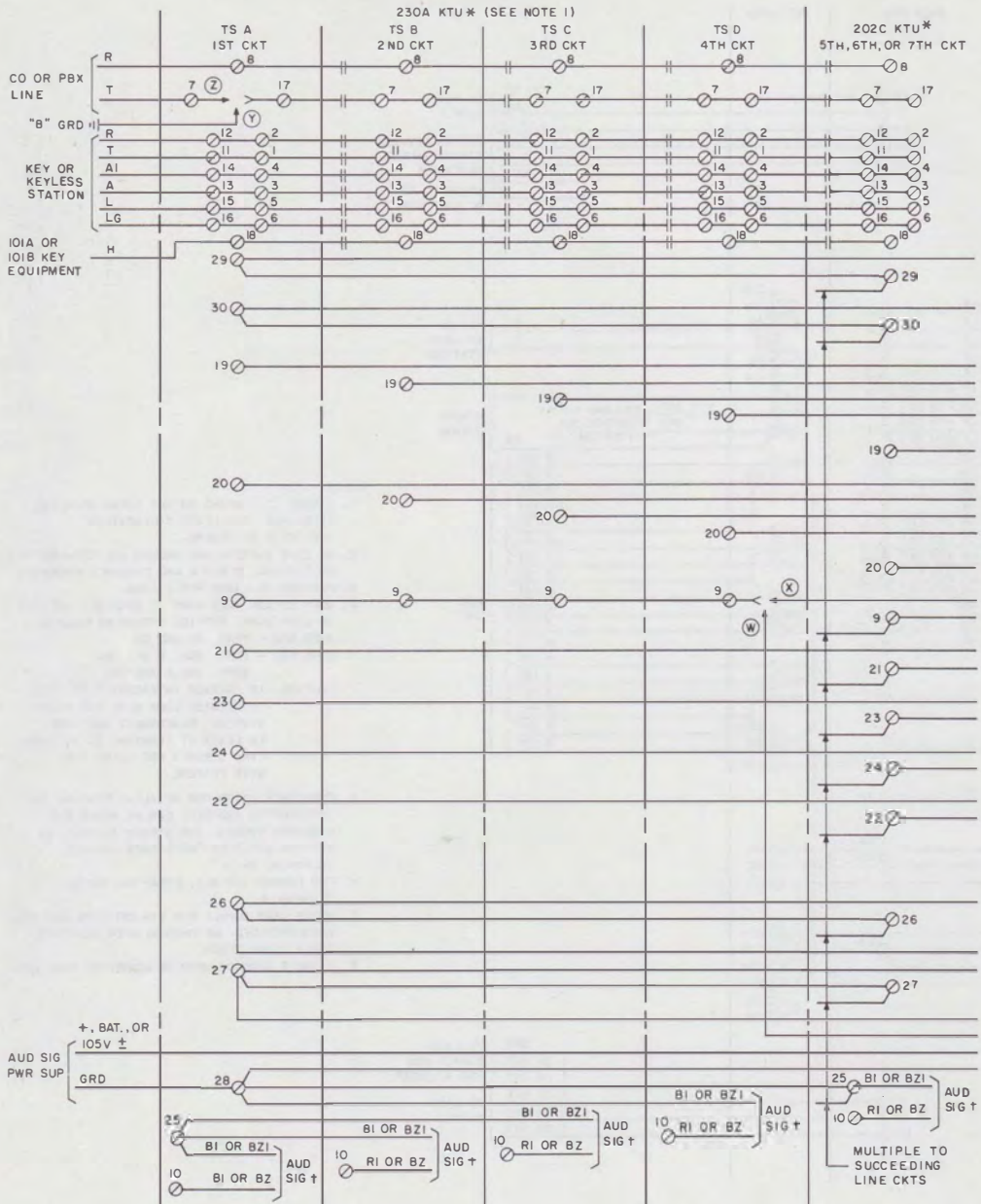
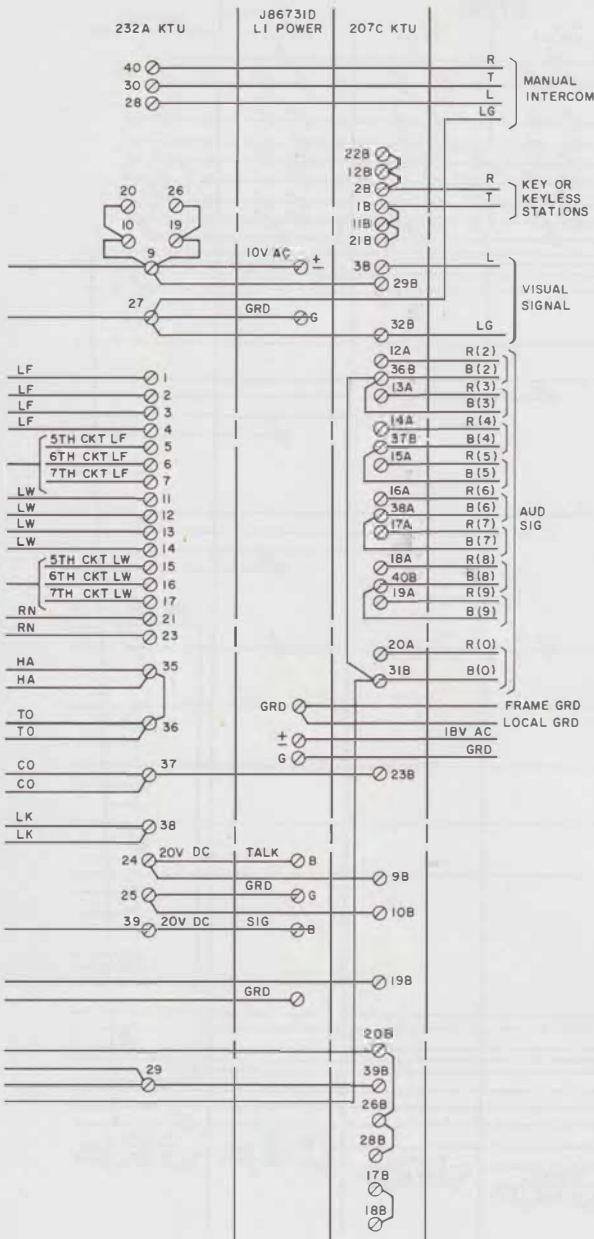


Fig. 5—200K-Type KTU (202C, 230A, 232A, and 207C) Connections and Strappings (Sheet 1)



- NOTES:
1. SYMBOL ( || ) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND
  2. FOR 230A BATTERY AND GROUND ARE TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY.
  3. MAXIMUM 20 LAMPS PER L LEAD
  4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK. PROVIDE STRAPS AS FOLLOWS:  
202C KTU TERM. 20 AND 29.  
230A KTU TERM. 20A, B, C, D AND 29A  
CAUTION: IF PACKAGE INTERRUPTER IS USE TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TAPE LW LEADS AT TERMINAL 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE
- \* FURNISHED WIRED FOR METALLIC RINGING AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING AND STEADY AUDIBLE. SEE SECTION ENTITLED "REFERENCE-1A1 KEY TELEPHONE UNITS".
- † FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS.

Fig. 5—200K-Type KTU (202C, 230A, 232A, and 207C) Connections and Strappings (Sheet 2)



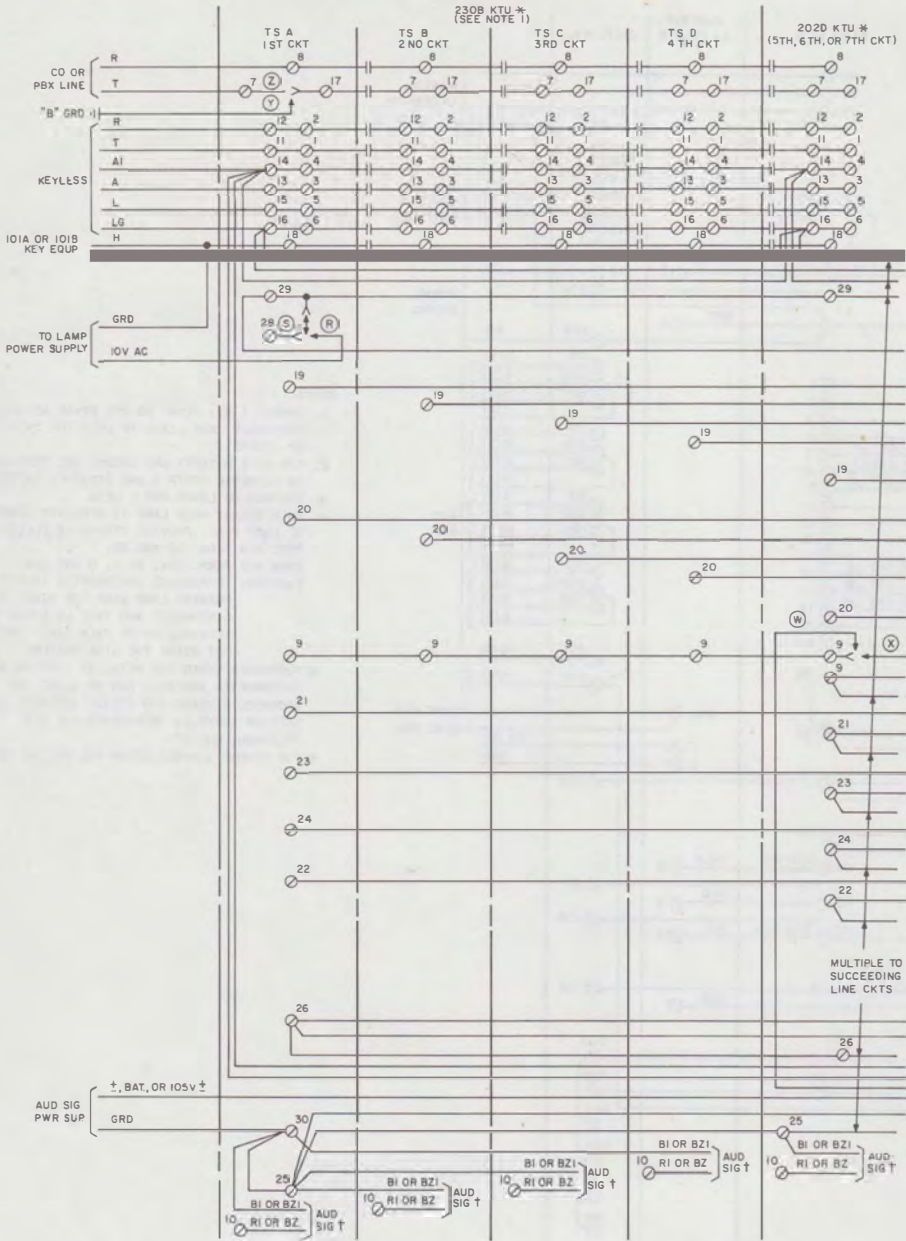
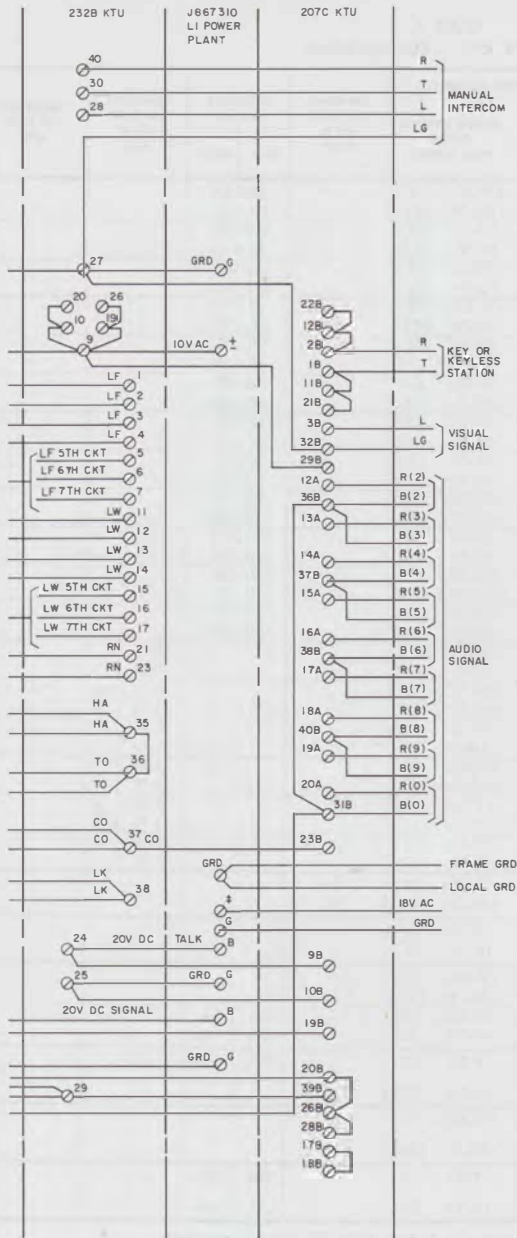


Fig. 6—200K-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 1)



- NOTES:
1. SYMBOL ( || ) MEANS DO NOT STRAP ADJACENT TERMINALS. RUN LEADS TO LOCATION INDICATED BY LEGEND.
  2. FOR 230B BATTERY AND GROUND ARE TERMINATED ON TERMINAL STRIP A AND STRAPPED INTERNALLY
  3. MAXIMUM 20 LAMPS PER L LEAD
  4. WHEN STEADY HOLD LAMP IS REQUIRED INSTEAD OF LAMP WINK, PROVIDE STRAPS AS FOLLOWS:  
 202D KTU - TERM. 20 AND 29  
 230B KTU - TERM. 20 A,B, AND 29A  
 TERM. 20 C,D, AND 28A
- CAUTION: IF PACKAGE INTERRUPTER IS USED TO FURNISH LAMP WINK FOR OTHER SYSTEMS, DISCONNECT AND TAPE LW LEADS AT TERMINAL 20 OF EACH LINE CIRCUIT NOT USING THE WINK FEATURE.
- \* FURNISHED WIRED FOR METALLIC RINGING AND INTERRUPTED AUDIBLE. CAN BE WIRED FOR GROUNDED RINGING AND STEADY AUDIBLE. SEE SECTION ENTITLED "REFERENCE-1A1 KEY TELEPHONE UNITS"
- † FOR COMMON AUDIBLE, STRAP ALL NO. 10 TERMINALS

Fig. 6—200K-Type KTU (202D, 230B, 232B, and 207C) Connections and Strappings (Sheet 2)

**TABLE A**  
**200F-TYPE KTU — CONNECTIONS**

FEATURE	LEAD DESIGNATION	64A1-50 CABLE TERMINAL		TERMINAL ON 232A OR B KTU*	TERMINAL ON KTU		TERMINAL ON 202C OR D KTU	TERMINAL ON 207C KTU
		30-TYPE CONN BLOCK TERMINAL	INSIDE WIRING CABLE BLUE BINDER		230A	230B†		
Key or Keyless Stations	Line 1	T	1T	(W-BL) [W]		1A-11A		
		R	1R	(BL-W) [BL]		2A-12A		
		A	2T	(W-O) [W]		3A-13A		
		A1	2R	(O-W) [O]		4A-14A		
		LG	3T	(W-G) [W]		6A-16A		
	Line 2	L	3R	(G-W) [G]		5A-15A		
		T	4T	(W-BR) [W]		1B-11B		
		R	4R	(BR-W) [BR]		2B-12B		
		A	5T	(W-S) [W]		3B-13B		
		A1	5R	(S-W) [S]		4B-14B		
	Line 3	LG	6T	(R-BL) [R]		6B-16B		
		L	6R	(BL-R) [BL]		5B-15B		
		T	7T	(R-O) [R]		1C-11C		
		R	7R	(O-R) [O]		2C-12C		
		A	8T	(R-G) [R]		3C-13C		
	Line 4	A1	8R	(G-R) [G]		4C-14C		
		LG	9T	(R-BR) [R]		6C-16C		
		L	9R	(BR-R) [BR]		5C-15C		
		T	10T	(R-S) [R]		1D-11D		
		R	10R	(S-R) [S]		2D-12D		
	Line 5	A	11T	(BK-BL) [BK]		3D-13D		
		A1	11R	(BL-BK) [BL]		4D-14D		
		LG	12T	(BK-O) [BK]		6D-16D		
		L	12R	(O-BK) [O]		5D-15D		
T		13T	(BK-G) [BK]			1-11	1st	
R	13R	(G-BK) [G]			2-12			
A	14T	(BK-BR) [BK]			3-13			
A1	14R	(BR-BK) [BR]			4-14			
LG	15T	(BK-S) [BK]			6-16			
Line 6	L	15R	(S-BK) [S]		5-15			
	T	16T	(Y-BL) [Y]		1-11	2nd		
	R	16R	(BL-Y) [BL]		2-12			
	A	17T	(Y-O) [Y]		3-13			
	A1	17R	(O-Y) [O]		4-14			
LG	18T	(Y-G) [Y]		6-16				
L	18R	(G-Y) [G]		5-15				
Motor Supply	GRD 10V ±	19T 19R	(Y-BR) [Y] (BR-Y) [BR]	27 26				
Spare		20T 20R	(Y-S) [Y] (S-Y) [S]					
Lamp Supply	± or BAT.	21T†	(V-BL) [V]	9				
	± or BAT.	21R†	(BL-V) [BL]	10				
	GRD	22T	(V-O) [V]		30A 29A	6A 29A		
	± or BAT.	22R†	(O-V) [O]		25A	30A		
Audible Signal Supply	GRD	23T	(V-G) [V]					
	BAT., ±, or 105V ±	23R	(G-V) [G]	29				
20V DC Talk or A Battery	GRD	24T	(V-BR) [V]	25				
	BAT.	24R	(BR-V) [BR]	24				
20V DC Signal or B Battery	GRD	25T	(V-S) [V]		27A	4A		
	BAT.	25R	(S-V) [S]		26A	26A		

\* The 232B KTU is arranged internally to disable time-out feature when HF relay is operated.

† The 230B KTU is arranged for individual fusing of circuits 1 and 2 and circuits 3 and 4 lamp input power.

‡ With 1 to 72 lamps, strap 21R, 21T, and 22R; with 73 to 144 lamps, strap 21R and 22R and run separate power lead to 21T.

( ) Current Color Code.

[ ] MD Color Code.



**TABLE A (Cont)**  
**200F-TYPE KTU — CONNECTIONS**

FEATURE	LEAD DESIGNATION	64A1-50 CABLE TERMINAL		TERMINAL ON 232A OR B KTU*	TERMINAL ON KTU		TERMINAL ON 202C OR D KTU		TERMINAL ON 207C KTU
		30-TYPE CONN BLOCK TERMINAL	INSIDE WIRING CABLE ORANGE BINDER		230A	230B†			
Manual Intercom Line	T	26T	(W-BL) [W]	30					
	R	26R	(BL-W) [BL]	40					
	LG	27T*	(W-O) [W]	†					
	L	27R	(O-W) [O]	28					
Audible Signal	Line 1	B1 or BZ1	28T	(W-G) [W]		25A	30A		
		R1 or BZ	28R	(G-W) [G]		10A	10A		
	Line 2	B1 or BZ1	29T	(W-BR) [W]		25A			
		R1 or BZ	29R	(BR-W) [BR]		10B			
	Line 3	B1 or BZ1	30T	(W-S) [W]		28A	30A		
		R1 or BZ	30R	(S-W) [S]		10C	10C		
	Line 4	B1 or BZ1	31T	(R-BL) [R]		28A	25A		
		R1 or BZ	31R	(BL-R) [BL]		10D	10D		
	Line 5	B1 or BZ1	32T	(R-O) [R]				25	1st
		R1 or BZ	32R	(O-R) [O]				10	
	Line 6	B1 or BZ1	33T	(R-G) [R]				25	2nd
		R1 or BZ	33R	(G-R) [G]				10	
Dial Selective Intercom Line	T	34T	(R-BR) [R]						1B-11B-21B
	R	34R	(BR-R) [BR]						2B-12B-22B
	LG	35T	(R-S) [R]						32B
	L	35R	(S-R) [S]						3B
	B(2)	36T	(BK-BL) [BK]						36B
	R(2)	36R	(BL-BK) [BL]						12A
	B(3)	37T	(BK-O) [BK]						36B
	R(3)	37R	(O-BK) [O]						13A
	B(4)	38T	(BK-G) [BK]						37B
	R(4)	38R	(G-BK) [G]						14A
	B(5)	39T	(BK-BR) [BK]						37B
	R(5)	39R	(BR-BK) [BR]						15A
	B(6)	40T	(BK-BL) [BK]						38B
	R(6)	40R	(BL-BK) [BL]						16A
	B(7)	41T	(Y-BL) [Y]						38B
	R(7)	41R	(BL-Y) [BL]						17A
	B(8)	42T	(Y-O) [Y]						40B
	R(8)	42R	(O-Y) [O]						18A
	B(9)	43T	(Y-G) [Y]						40B
	R(9)	43R	(G-Y) [G]						19A
B(0)	44T	(Y-BR) [Y]						31B	
R(0)	44R	(BR-Y) [BR]						20A	
CO or PEX	Line 1	T	45T	(Y-S) [Y]		7A			
		R	45R	(S-Y) [S]		8A			
	Line 2	T	46T	(V-BL) [V]		7B			
		R	46R	(BL-V) [BL]		8B			
	Line 3	T	47T	(V-O) [V]		7C			
		R	47R	(O-V) [O]		8C			
	Line 4	T	48T	(V-G) [V]		7D			
		R	48R	(G-V) [G]		8D			
	Line 5	T	49T	(V-BR) [V]				7	1st
		R	49R	(BR-V) [BR]				8	
	Line 6	T	50T	(V-S) [V]				7	2nd
		R	50R	(S-V) [S]				8	

\* Strap to 22T or terminate LG lead to lamp ground if cable terminal is not provided.

† Not terminated.

( ) Current Color Code.

[ ] MD Color Code.

**TABLE B**  
**200G-TYPE KTU — CONNECTIONS**

FEATURE	LEAD DESIGNATION	64B1-75 CABLE TERMINAL		TERMINAL* ON KTU		TERMINAL† ON KTU		TERMINAL‡ ON KTU		TERMINAL ON 207C KTU
		TERMINAL STRIP A	INSIDE WIRING CABLE BLUE BINDER	232A	232B	230A	230B	202C	202D	
Line 1	T	1	(W-BL) [W]			1A-11A				
	R	2	(BL-W) [BL]			2A-12A				
	A	3	(W-O) [W]			3A-13A				
	A1	4	(O-W) [O]			4A-14A				
Line 2	LG	5	(W-G) [W]			6A-16A				
	L	6	(G-W) [G]			5A-15A				
	T	7	(W-BR) [W]			1B-11B				
	R	8	(BR-W) [BR]			2B-12B				
Line 3	A	9	(W-S) [W]			3B-13B				
	A1	10	(S-W) [S]			4B-14B				
	LG	11	(R-BL) [R]			6B-16B				
	L	12	(BL-R) [BL]			5B-15B				
Line 4	T	13	(R-O) [R]			1C-11C				
	R	14	(O-R) [O]			2C-12C				
	A	15	(R-G) [R]			3C-13C				
	A1	16	(G-R) [G]			4C-14C				
Line 5	LG	17	(R-BR) [R]			6C-16C				
	L	18	(BR-R) [BR]			5C-15C				
	T	19	(R-S) [R]			1D-11D				
	R	20	(S-R) [S]			2D-12D				
Line 6	A	21	(BK-BL) [BK]			3D-13D				
	A1	22	(BL-BK) [BL]			4D-14D				
	LG	23	(BK-O) [BK]			6D-16D				
	L	24	(O-BK) [O]			5D-15D				
Line 7	T	25	(BK-G) [BK]			1A-11A		1-11		
	R	26	(G-BK) [G]			2A-12A		2-12		
	A	27	(BK-BR) [BK]			3A-13A		3-13	1st	
	A1	28	(BR-BK) [BR]			4A-14A		4-14		
Line 8	LG	29	(BK-S) [BK]			6A-16A		6-16		
	L	30	(S-BK) [S]			5A-15A		5-15		
	T	31	(Y-BL) [Y]			1B-11B		1-11		
	R	32	(BL-Y) [BL]			2B-12B		2-12		
Line 9	A	33	(Y-O) [Y]			3B-13B		3-13	2nd	
	A1	34	(O-Y) [O]			4B-14B		4-14		
	LG	35	(Y-G) [Y]			6B-16B		6-16		
	L	36	(G-Y) [G]			5B-15B		5-15		
Manual Intercom Line	T	37	(Y-BR) [Y]	30						
	R	38	(BR-Y) [BR]	40						
	LG	39§	(Y-S) [Y]							
	L	40	(S-Y) [S]	28						

\* 232B KTU is arranged internally to disable time-out feature when BF relay is operated.

† 230B KTU is arranged for individual fusing of circuits 1 and 2 and circuits 3 and 4 lamp input power.

‡ If second 230A or B KTU is not used for lines 5 through 8, terminate leads on 202C or D key telephone units as shown.

§ Strap to terminal strip A, punching 5.

( ) Current Color Code.

[ ] MD Color Code.

**TABLE B (Cont)**  
**200G-TYPE KTU — CONNECTIONS**

FEATURE	LEAD DESIGNATION	64B1-75 CABLE TERMINAL		TERMINAL ON KTU		TERMINAL ON KTU		TERMINAL† ON KTU		TERMINAL ON 207C KTU
		TERMINAL STRIP A	INSIDE WIRING CABLE	232A	232B	230A	230B	202C	202D	
Line 7	T	1	(V-BL) [V]			1C-11C		1-11		3rd
	R	2	(BL-V) [BL]			2C-12C		2-12		
	A	3	(V-O) [V]			3C-13C		3-13		
	A1	4	(O-V) [O]			4C-14C		4-14		
	LG	5	(V-G) [V]			6C-16C		6-16		
	L	6	(G-V) [G]			5C-15C		5-15		
Line 8	T	7	(V-BR) [V]			1D-11D		1-11		4th
	R	8	(BR-V) [BR]			2D-12D		2-12		
	A	9	(V-S) [V]			3D-13D		3-13		
	A1	10	(S-V) [S]			4D-14D		4-14		
	LG	11	(W-BL) [W]			6D-16D		6-16		
	L	12	(BL-W) [BL]			5D-15D		5-15		
Line 9	T	13	(W-O) [W]					1-11		5th
	R	14	(O-W) [O]					2-12		
	A	15	(W-G) [W]					3-13		
	A1	16	(G-W) [G]					4-14		
	LG	17	(W-BR) [W]					6-16		
	L	18	(BR-W) [BR]					5-15		
Dial Selective Intercom Line	T	19	(W-S) [W]							1B-11B-21B
	R	20	(S-W) [S]							2B-12B-22B
	LG	21	(R-BL) [R]							32B
	L	22	(BL-R) [BL]							3B
	B(2)	23	(R-O) [R]							36B
	R(2)	24	(O-R) [O]							12A
	B(3)	25	(R-G) [R]							36B
	R(3)	26	(G-R) [G]							13A
	B(4)	27	(R-BR) [R]							37B
	R(4)	28	(BR-R) [BR]							14A
	B(5)	29	(R-S) [R]							37B
	R(5)	30	(S-R) [S]							15A
	B(6)	31	(BK-BL) [BK]							38B
	R(6)	32	(BL-BK) [BL]							16A
	B(7)	33	(BK-O) [BK]							38B
	R(7)	34	(O-BK) [O]							17A
B(8)	35	(BK-G) [BK]							40B	
R(8)	36	(G-BK) [G]							18A	
B(9)	37	(BK-BR) [BK]							40B	
R(9)	38	(BR-BK) [BR]							19A	
B(0)	39	(BK-S) [BK]							31B	
R(0)	40	(S-BK) [S]							20A	

† If second 230A or B KTU is not used for lines 5 through 8, terminate leads on 202C or D key telephone units as shown.  
 ( ) Current Color Code.  
 [ ] MD Color Code.



TABLE B (Cont)  
200G-TYPE KTU — CONNECTIONS

FEATURE	LEAD DESIGNATION	64B1-75 CABLE TERMINAL		TERMINAL ON KTU		TERMINAL ON KTU		TERMINAL ON KTU		TERMINAL ON 207C KTU
		TERMINAL STRIP A	INSIDE WIRING CABLE	232A	232B	230A	230B	202C	202D	
And Sig	Line 1	B1 or BZ1	1	(Y-BL) [Y]			25A			
		R1 or BZ	2	(BL-Y) [BL]			10A			
	Line 2	B1 or BZ1	3	(Y-O) [Y]			25A			
		R1 or BZ	4	(O-Y) [O]			10B			
	Line 3	B1 or BZ1	5	(Y-G) [Y]			28A	30A		
		R1 or BZ	6	(G-Y) [G]			10C	10C		
	Line 4	B1 or BZ1	7	(Y-BR) [Y]			28A	30A		
		R1 or BZ	8	(BR-Y) [BR]			10D	10D		
	Line 5	B1 or BZ1	9	(Y-S) [Y]			25A		25	1st
R1 or BZ		10	(S-Y) [S]			10A		10		
Line 6	B1 or BZ1	11	(V-BL) [V]			25A	30A	25	30	
	R1 or BZ	12	(BL-V) [BL]			10B	10B	10	10	
Line 7	B1 or BZ1	13	(V-O) [V]			28A	25A	25	3rd	
	R1 or BZ	14	(O-V) [O]			10C	10C	10		
Line 8	B1 or BZ1	15	(V-G) [V]			28A	30A	25	30	
	R1 or BZ	16	(G-V) [G]			10D	10D	10	10	
Line 9	B1 or BZ1	17	(V-BR) [V]					25	5th	
	R1 or BZ	18	(BR-V) [BR]					10		
CO or PBX	Line 1	T	19	(V-S) [V]			7A			
		R	20	(S-V) [S]			8A			
	Line 2	T	21	(W-BL) [W]			7B			
		R	22	(BL-W) [BL]			8B			
	Line 3	T	23	(W-O) [W]			7C			
		R	24	(O-W) [O]			8C			
	Line 4	T	25	(W-G) [W]			7D			
		R	26	(G-W) [G]			8D			
	Line 5	T	27	(W-BR) [W]			7A		7	1st
R		28	(BR-W) [BR]			8A		8		
Line 6	T	29	(W-S) [W]			7B		7	2nd	
	R	30	(S-W) [S]			8B		8		
Line 7	T	31	(R-BL) [R]			7C		7	3rd	
	R	32	(BL-R) [BL]			8C		8		
Line 8	T	33	(R-O) [R]			7D		7	4th	
	R	34	(O-R) [O]			8D		8		
Line 9	T	35	(R-G) [R]					7	5th	
	R	36	(G-R) [G]					8		
Spare			37	(R-BR) [R]						
			38	(BR-R) [BR]						
			39	(R-S) [R]						
			40	(S-R) [S]						

† If second 230A or B KTU is not used for lines 5 through 8, terminate leads on 202C or D key telephone units as shown.  
 [ ] MD Color Code.  
 ( ) Current Color Code.

**TABLE B (Cont)**  
**200G-TYPE KTU — CONNECTIONS**

FEATURE	LEAD DESIGNATION	64B1-75 CABLE TERMINAL		TERMINAL ON KTU		TERMINAL ON KTU		TERMINAL† ON KTU		TERMINAL ON 207C KTU	
		TERMINAL STRIP E	INSIDE WIRING CABLE GREEN BINDER	232A	232B	230A	230B	202C	202D		
20V DC Talk (A Bat.)	GRD BAT.	1	(BK-BL) [BK]	25							
		2	(BL-BK) [BL]	24							
20V DC Sig (B Bat.)	GRD BAT.	3	(BK-O) [BK]			27A	14A				
		4	(O-BK) [O]	39		26A					
Motor Supply	GRD 10V ±	5	(BK-G) [BK]	27							
		6	(G-BK) [G]	26							
Aud Sig Supply	GRD BAT., ±, or 105V ±	7	(BK-BR) [BK]								
		8	(BR-BK) [BR]	29		25A					
Lamp Supply 1st 4 Lines	GRD ± or BAT.	9	(BK-S) [BK]			30A	16A				
		10	(S-BK) [S]			29A	29A				
Lamp Supply 2nd 4 Lines	GRD ± or BAT.	11	(Y-BL) [Y]			30A	16A				
		12	(BL-Y) [BL]			29A	29A	2nd†	30 29	6 29	1st
Lamp Supply 9th Line and Dial Selective Intercom	GRD ± or BAT.	13	(Y-O) [Y]						30	6	
		14	(O-Y) [O]						29	29	5th
Lamp Supply	± or BAT. ± or BAT. ± or BAT. ± or BAT.	15	(Y-G) [Y]	9							
		16	(G-Y) [G]	10							
		17	(Y-BR) [Y]	19							
		18	(BR-Y) [BR]	20							
Spare		19	(Y-S) [Y]								
		20	(S-Y) [S]								
		21	(V-BL) [V]								
		22	(BL-V) [BL]								
		23	(V-O) [V]								
		24	(O-V) [O]								
		25	(V-G) [V]								
		26	(G-V) [G]								
		27	(V-BR) [V]								
		28	(BR-V) [BR]								
		29	(V-S) [V]								
		30	(S-V) [S]								
Vacant		31									
		32									
		33									
		34									
		35									
		36									
		37									
		38									
		39									
		40									

† If second 230A or B KTU is not used for lines 5 through 8, terminate leads on 202C or D key telephone units as shown.

( ) Current Color Code.

[ ] MD Color Code.



**TABLE C**  
**200K-TYPE KTU — CONNECTIONS**

FEATURE	LEAD DESIGNATION	64A1-50 CABLE TERMINAL		TERMINAL ON 232A OR B KTU*	TERMINAL ON 230A OR B KTU†	TERMINAL ON 202C OR D KTU	TERMINAL ON 207C KTU
		30-TYPE CONN BLOCK TERMINAL	INSIDE WIRING CABLE BLUE BINDER				
Line 1	T R	1T 1R	(W-BL) [W] (BL-W) [BL]		1A-11A 2A-12A		
	A A1	2T 2R	(W-O) [W] (O-W) [O]		3A-13A 4A-14A		
	LG L	3T 3R	(W-G) [W] (G-W) [G]		6A-16A 5A-15A		
Line 2	T R	4T 4R	(W-BR) [W] (BR-W) [BR]		1B-11B 2B-12B		
	A A1	5T 5R	(W-S) [W] (S-W) [S]		3B-13B 4B-14B		
	LG L	6T 6R	(R-BL) [R] (BL-R) [BL]		6B-16B 5B-15B		
Line 3	T R	7T 7R	(R-O) [R] (O-R) [O]		1C-11C 2C-12C		
	A A1	8T 8R	(R-G) [R] (G-R) [G]		3C-13C 4C-14C		
	LG L	9T 9R	(R-BR) [R] (BR-R) [BR]		6C-16C 5C-15C		
Line 4	T R	10T 10R	(R-S) [R] (S-R) [S]		1D-11D 2D-12D		
	A A1	11T 11R	(BK-BL) [BK] (BL-BK) [BL]		3D-13D 4D-14D		
	LG L	12T 12R	(BK-O) [BK] (O-BK) [O]		6D-16D 5D-15D		
Line 5	T R	13T 13R	(BK-G) [BK] (G-BK) [G]			1-11 2-12	1st
	A A1	14T 14R	(BK-BR) [BK] (BR-BK) [BR]			3-13 4-14	
	LG L	15T 15R	(BL-S) [BK] (S-BL) [S]			6-16 5-15	
Line 6	T R	16T 16R	(Y-BL) [Y] (BL-Y) [BL]			1-11 2-12	2nd
	A A1	17T 17R	(Y-O) [Y] (O-Y) [O]			3-13 4-14	
	LG L	18T 18R	(Y-G) [Y] (G-Y) [G]			6-16 5-15	
Line 7	T R	19T 19R	(Y-BR) [Y] (BR-Y) [BR]			1-11 2-12	3rd
	A A1	20T 20R	(Y-S) [Y] (S-Y) [S]			3-13 4-14	
	LG L	21T 21R	(V-BL) [V] (BL-V) [BL]			6-16 5-15	
Manual Intercom Line	T R	22T 22R	(V-O) [V] (O-V) [O]	30 40			
	LG L	23T 23R	(V-G) [V] (G-V) [G]	27 28			
Dial Selective Intercom Line	T R	24T 24R	(V-BR) [V] (BR-V) [BR]				1B-11B-21B 2B-12B-22B
	LG L	25T 25R	(V-S) [V] (S-V) [S]				3B 3B

\* 232B KTU is arranged internally to disable time-out feature when BF relay is operated.

† 230B KTU is arranged for individual fusing of Circuits 1 and 2 and Circuits 3 and 4 lamp input power.

( ) Current Color Code.

[ ] MD Color Code.



TABLE C (Cont)  
200K-TYPE KTU — CONNECTIONS

FEATURE	LEAD DESIGNATION	64A1-50 CABLE TERMINAL		TERMINAL ON 232A OR B KTU*	TERMINAL ON 230A OR B KTU†		TERMINAL ON 202C OR D KTU	TERMINAL ON 207C KTU	
		30-TYPE CONN BLOCK TERMINAL	INSIDE WIRING CABLE ORANGE BINDER						
Dial Selective Intercom Line	B(2) R(2)	26T 26R	(W-BL) [W] (BL-W) [BL]					36B 12A	
	B(3) R(3)	27T 27R	(W-O) [W] (O-W) [O]					36B 13A	
	B(4) R(4)	28T 28R	(W-G) [W] (G-W) [G]					37B 14A	
	B(5) R(5)	29T 29R	(W-BR) [W] (BR-W) [BR]					37B 15A	
	B(6) R(6)	30T 30R	(W-S) [W] (S-W) [S]					38B 16A	
	B(7) R(7)	31T 31R	(R-BL) [R] (BL-R) [BL]					38B 17A	
	B(8) R(8)	32T 32R	(R-O) [R] (O-R) [O]					40B 18A	
	B(9) R(9)	33T 33R	(R-G) [R] (G-R) [G]					40B 19A	
	B(0) R(0)	34T 34R	(R-BR) [R] (BR-R) [BR]					31B 20A	
Line 1	B1 or BZ1 R1 or BZ	35T 35R	(R-S) [R] (S-R) [S]		25A 10A	30A 10A			
Line 2	B1 or BZ1 R1 or BZ	36T 36R	(BK-BL) [BK] (BL-BK) [BL]		25A 10B				
Line 3	B1 or BZ1 R1 or BZ	37T 37R	(BK-O) [BK] (O-BK) [O]		25A 10C				
Line 4	B1 or BZ1 R1 or BZ	38T 38R	(BK-G) [BK] (G-BK) [G]		28A 10D	30A 10D			
Line 5	B1 or BZ1 B1 or BZ1	39T 39R	(BK-BR) [BK] (BR-BK) [BR]				25 10	1st	
Line 6	R1 or BZ R1 or BZ	40T 40R	(BK-S) [BK] (S-BK) [S]				25 10	2nd	
Line 7	B1 or BZ1 R1 or BZ	41T 41R	(Y-BL) [Y] (BL-Y) [BL]				25 10	3rd	
CO or PBX	Line 1	T R	42T 42R	(Y-O) [Y] (O-Y) [O]		7A 8A			
	Line 2	T R	43T 43R	(Y-G) [Y] (G-Y) [G]		7B 8B			
	Line 3	T R	44T 44R	(Y-BR) [Y] (BR-Y) [BR]		7C 8C			
	Line 4	T R	45T 45R	(Y-S) [Y] (S-Y) [S]		7D 8D			
	Line 5	T R	46T 46R	(V-BL) [V] (BL-V) [BL]				7 8	1st
	Line 6	T R	47T 47R	(V-O) [V] (O-V) [O]				7 8	2nd
	Line 7	T R	48T 48R	(V-G) [V] (G-V) [G]				7 8	3rd
Ringing Supply	GRD 105V±	49T 49R*	(V-BR) [V] (BR-V) [BR]	29	28A	30A			
Local Ground	GRD GRD	50T 50R	(V-S) [V] (S-V) [S]						

\* If J86731C, List 1 (frequency-generator) power plant is installed locally, disconnect and tape (V-BR) [V] and (BR-V) [BR] cable pair.  
( ) Current Color Code.  
[ ] MD Color Code.

TABLE D  
200-TYPE KTU OPTIONS

**TABLE D**  
**200-TYPE KTU OPTIONS**

WIRING FOR CO OR PBX LINES		OPTION
Metalic Ringing (Furnished)		Z
Grounded Ringing		Y
Interrupted Audible Sig (Furnished)		X
Steady Audible Signal		W
Lamp Max	Max 40 Lamps (Furnished)	S
	Max 80 Lamps	R