

TELEPHONE SETS THE CALL DIRECTOR 636 AND 637 TYPES EQUIPPED WITH HEADSET JACK CONNECTIONS

1.00 INTRODUCTION

1.01 This section covers connections for various service-feature arrangements of 636-type (18-button) and 637-type (30-button) telephone sets. It includes terminal board connections in the set, mounting cord and connector cable conductors, as well as their associated plugs and connectors.

1.02 This section is reissued to:

- Add information on the D120C and D200F mounting cords.
- Provide both old and new circuit designation from apparatus cabinet to keys in 636- and 637-type Call Director sets using either Manufacture Discontinued (MD) or even-count color-coded cords and connector cables.

1.03 To facilitate the use of this practice, the circuit leads follow a straight line pattern as near as possible from the apparatus cabinet to the key. Key connector pins (Fig. 1 through 5) are so placed in this section to overlay into corresponding module plug pins in the new even-count Call Director sets (Fig. 7). However, when keys (Fig. 1 through 5) are overlaid into the old (MD) Call Director sets (Fig. 9), it is necessary to match key connector pins to module plug pins.

1.04 Fig. 6 and 7 show the even-count color-coded telephone set circuit and cords using either MD or even-count connector cables for both 18- or 30-button sets. Fig. 8 and 9 show the MD count color-coded telephone set circuit and cords using either MD or even-count connector cables.

1.05 Even-count color codes and lead designations are shown in red and MD color codes

and lead designations are shown in green.

1.06 Conversion to even-count color code and lead designations should be accomplished whenever practicable.

1.07 Due to extensive changes marginal arrows have been omitted.

2.00 GENERAL

2.01 The 636 (18-button) and 637 (30-button) general purpose-type Call Director telephone sets are equipped with two 517A jacks into which the plugs of a 52- or 53-type head telephone set may be connected. A G3L hand set with a P-10E100 resistor assembly across the transmitter may also be used in place of a headset. The internal wiring is arranged to separate electrically the G-type handle from the switchhook contacts when a 289B or equivalent plug is inserted into the jacks. Sets are equipped with a nonilluminated (amber button) flash key, a mechanical (clear plastic) release key, and various module arrangements as covered in Table A. The coding of the set is determined by the module arrangement as illustrated in Table A.

2.02 For connections to 1A, 1A1, 1A2, and 6A line and signaling circuits, see appropriate sections covering these key telephone systems.

3.00 APPLICATION OF THE 636- AND 637-TYPE TELEPHONE SETS

3.01 The 636- and 637-type telephone sets may be used with 1A, 1A1, 1A2, and 6A key telephone systems. The sets are manufactured for use with 1A1 or 1A2 key telephone systems. When connected to line circuits of both 1A and 1A1 systems, 1A1 system lines must be connected to originating key units, with 1A system lines to

supplementary key units as required. *Line circuits of both 1A and 1A1 key telephone systems shall not be connected to the same 6-button key unit.* Tables B and C show connections necessary for combining different key telephone system line circuits within a Call Director set. Due to differing line circuit time-out functions, 1A2 system lines should not be mixed with either 1A or 1A1 system line circuits of a Call Director station.

3.02 Tables D and E show connections necessary for various pick-up-signaling key options within a Call Director set.

3.03 Table F shows connections necessary for various features when using 599B key (Turn Key) in first module.

3.04 When using a 599B key for 1A system line cutoff, a slave relay arrangement (such as the 5A key telephone unit) should be used to control circuit leads.

3.05 A special station busy lamp control circuit (Fig. 10) is included in this section for information only. For station busy lamp connections to 1A, 1A1, 1A2, or 6A key telephone systems, see appropriate sections covering these systems.

TABLE A
TELEPHONE SET CODES AND MODULE ARRANGEMENTS

Telephone Set		Set Equipped With													
		Left Module		2nd Module		3rd Module		4th Module		5th Module					
Type	Code	Key	Fig.	Key	Fig.	Key	Fig.	Key	Fig.	Key	Fig.				
636A or 636B	1	599A	1	598A	2	105B									
	2					598A	2								
	4					617A	4								
	6	599B	3			105B									
	7					599A	2								
	9	598A	2			105B									
	10					598A	2								
	14					599A	1								
	15	599B	3			59A	5								
637A or 637C	1	599A	1	598A	2	598A	2	105B		105B					
	2							598A	2	598A	2	598A	2		
	3									617A	4	59A	5		
	4							105B							
	5														
	9	599B	3									105B			
	10									598A	2				
	11		598A					2	598A	2	598A	2			
	12														
	13								598A	2					105B
	14														
	15	598A	2					598A							
	19	599A	1					59A	5						

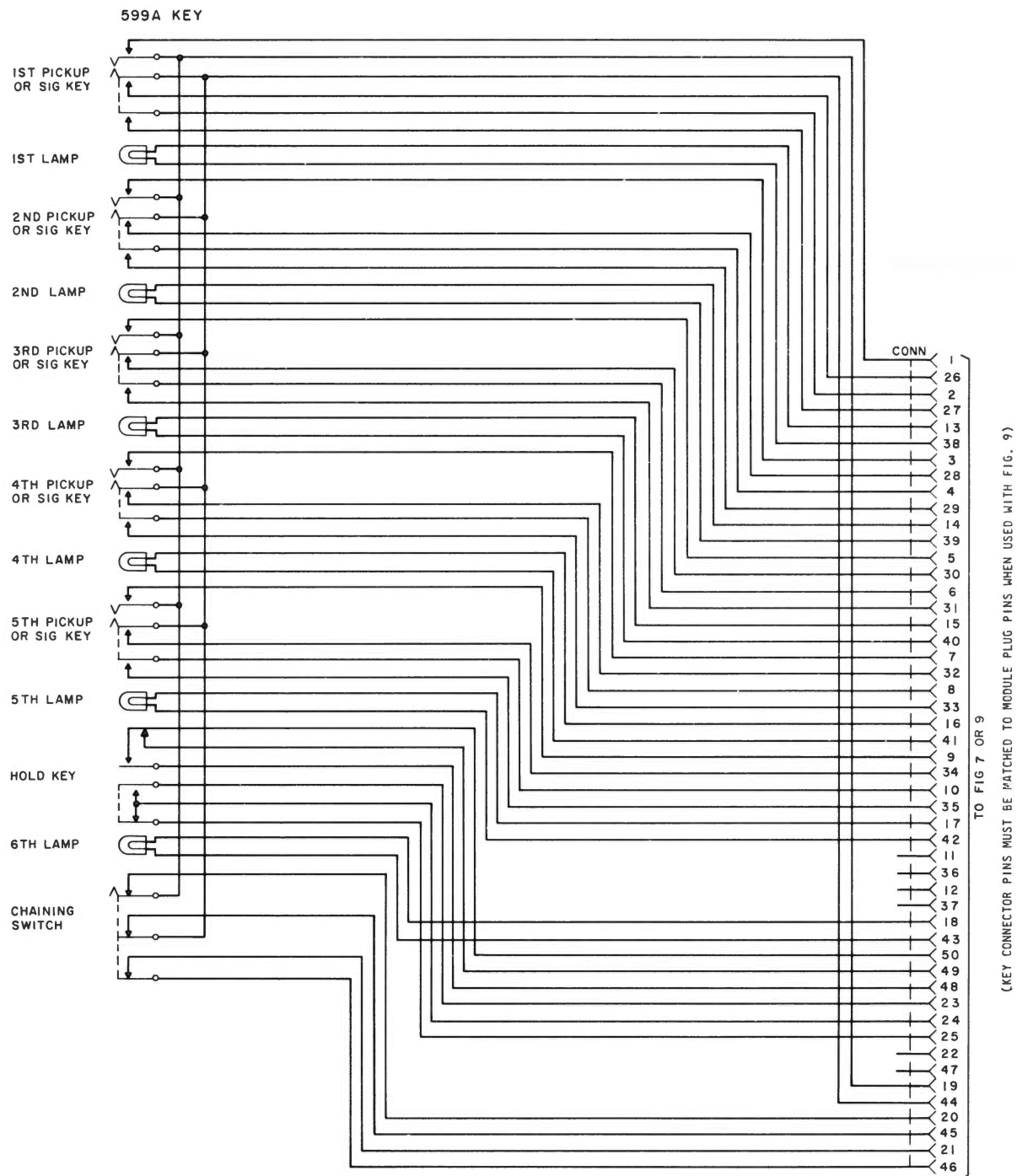


Fig. 1 - 599A Key

TABLE B

**NO. 1A AND 1A1 SYSTEM CONVERSION
CONNECTIONS FOR SETS USING D120C OR D200F MOUNTING CORD**

Key Telephone System Central Office or PBX Line Feature		Leads												
		Hold Key					Chaining Switch					Switchhook		
							636 and 637 Sets			637 Set Only				
		Y-G	G-Y	V-O	BR-V	V-BR	V-G 1st Key	V-G 2nd Key	V-G 3rd Key	V-G 4th Key	V-G 5th Key	BL-V *	O-V *	S-G
No. 1A1 Only (as furnished by shop)		A-H (I)	A-H (I)	†	†	†	A-H (I)	A-H (II)	A-H (III)	A-H (IV)	A-H (V)	R (I)	1B (VI)	‡
First Key Unit No. 1A1; Re- maining Key Units No. 1A		A-H (I)	X (VI)	†	1§ (I)	R (II)	X (VI)	A-H (II)	A-H (III)	A-H (IV)	A-H (V)	R (I)	1B (VI)	‡
First and Second Key Units No. 1A1; Remaining Key Units No. 1A		A-H (I)	X (VI)	†	1§ (II)	R (III)	A-H (I)	X (VI)	A-H (III)	A-H (IV)	A-H (V)	R (I)	1B (VI)	‡
First, Second, and Third Key Units No. 1A1; Remaining Key Units No. 1A	637 Set Only	A-H (I)	X (VI)	†	1§ (III)	R (IV)	A-H (I)	A-H (II)	X (VI)	A-H (IV)	A-H (V)	R (I)	1B (VI)	‡
First Through Fourth Key Units No. 1A1; Fifth Key Unit No. 1A		A-H (I)	X (VI)	†	1§ (IV)	R (V)	A-H (I)	A-H (II)	A-H (III)	X (VI)	A-H (V)	R (I)	1B (VI)	‡
No. 1A Only (See Connection Note 3 in Fig. 7)		X (VI)	A-H (I)	†	R1 (VI)	R (I)	A-H (I)	A-H (II)	A-H (III)	A-H (IV)	A-H (V)	R1 (VI)	SG (VI)	L2

Note: Roman numerals in parentheses indicate terminal board designations.

* BL-V lead connects to S-Y switch lead at terminal 1 of ringer terminal board. O-V lead connects to S-W switch lead at terminal 4 of ringer terminal board.

† Lead is spade tipped, insulated and stored.

‡ S-G lead connects to terminal G of network with no connection to station busy lamp circuit or to terminal L2 of network when station busy lamp circuit is used.

§ Disconnect, insulate and store R (BL-V) chaining lead.

TABLE C

**NO. 1A AND 1A1 SYSTEM CONVERSION
CONNECTIONS FOR SETS USING D120B (MD) OR D200B (MD) MOUNTING CORD**

Key Telephone System Central Office or PBX Line Feature		Leads												
		Hold Key					Chaining Switch					Switchhook		
							636 and 637 Sets			637 Set Only				
		BK-BL	BK-W	S-W	S-Y	S-BK	BL-W 1st Key	BL-W 2nd Key	BL-W 3rd Key	BL-W 4th Key	BL-W 5th Key	R*	Y*	S-G
No. 1A1 Only (as furnished by shop)		A-H (I)	A-H (I)	†	†	†	A-H (I)	A-H (II)	A-H (III)	A-H (IV)	A-H (V)	R (I)	1B (VI)	†
First Key Unit No. 1A1; Remaining Key Units No. 1A		A-H (I)	X (VI)	†	1§ (I)	R (II)	X (VI)	A-H (II)	A-H (III)	A-H (IV)	A-H (V)	R (I)	1B (VI)	†
First and Second Key Units No. 1A1; Remaining Key Units No. 1A		A-H (I)	X (VI)	†	1§ (II)	R (III)	A-H (I)	X (VI)	A-H (III)	A-H (IV)	A-H (V)	R (I)	1B (VI)	†
First, Second, and Third Key Units No. 1A1; Remaining Key Units No. 1A	637 Set Only	A-H (I)	X (VI)	†	1§ (III)	R (IV)	A-H (I)	A-H (II)	X (VI)	A-H (IV)	A-H (V)	R (I)	1B (VI)	†
First Through Fourth Key Units No. 1A1; Fifth Key Unit No. 1A		A-H (I)	X (VI)	†	1§ (IV)	R (V)	A-H (I)	A-H (II)	A-H (III)	X (VI)	A-H (V)	R (I)	1B (VI)	†
No. 1A Only (See Connection Note 3 in Fig. 9)		X (VI)	A-H (I)	†	R1 (VI)	R (I)	A-H (I)	A-H (II)	A-H (III)	A-H (IV)	A-H (V)	R1 (VI)	SG (VI)	L2

Note: Roman numerals in parentheses indicate terminal board designations.

* R lead connects to S-Y switch lead at terminal 1 of ringer terminal board. Y lead connects to S-W switch lead at terminal 4 of ringer terminal board.

† Lead is spade tipped, insulated and stored.

‡ S-G lead connects to terminal G of network with no connection to station busy lamp circuit or to terminal L2 of network when station busy lamp circuit is used.

§ Disconnect, insulate and store R (R-W) chaining lead.

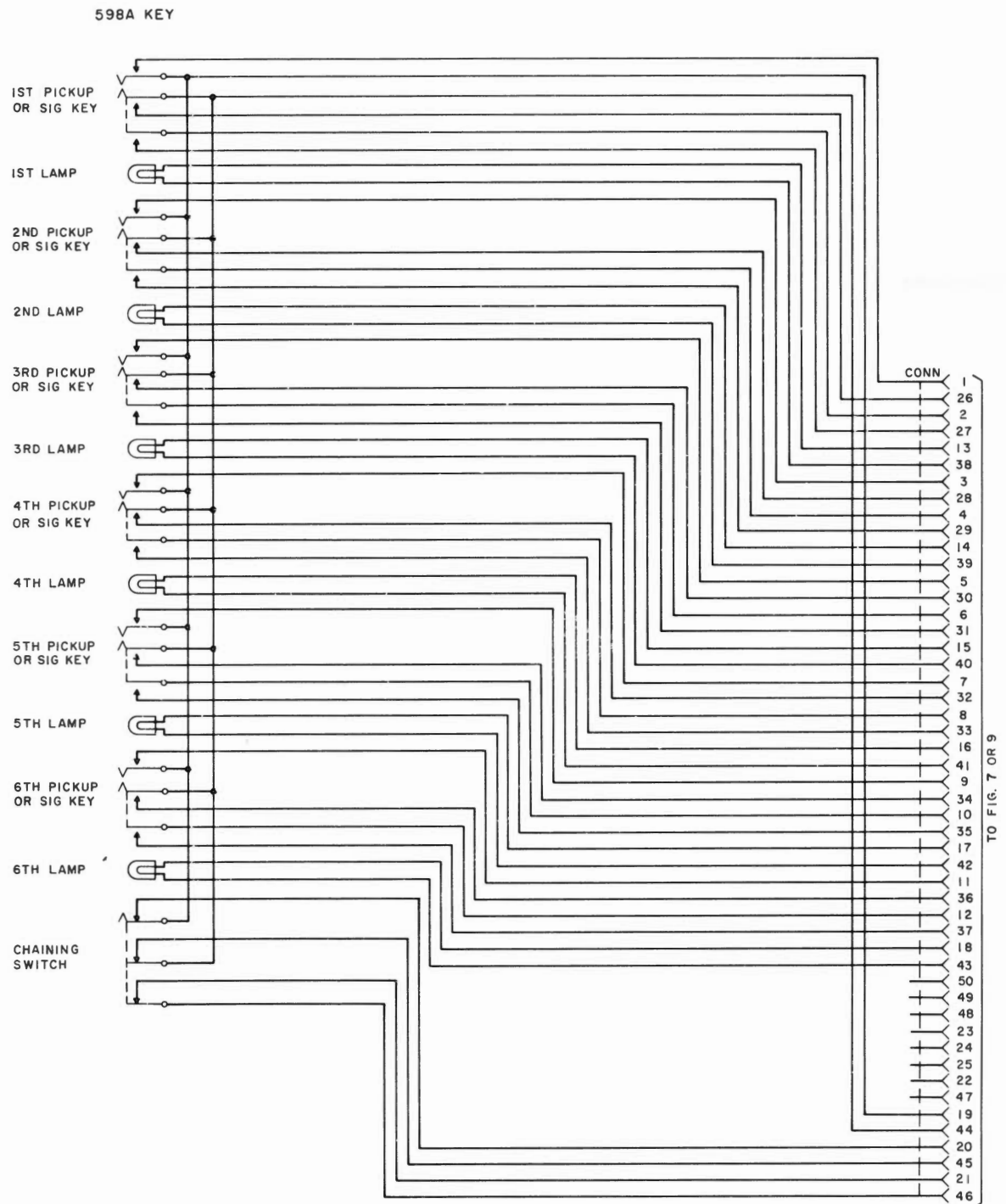


Fig. 2 — 598A Key

TABLE D

**PICKUP-SIGNALING KEY CONVERSION OF KEYS FROM LOCKING TO NONLOCKING OPERATION
FOR SETS USING D120C and D200F CORDS**

(See Connection Notes 5 and 6 and Change Set Leads as Follows)

No. of Pickup Keys	No. of Signal Keys Converted from Pickup Keys			No. of Private and Intercom Lines with Com Sig Keys (per Key Unit)	Key Leads and Terminals of Key Units Involved						
	599A	599B	598A		O-W	S-W	G-R	BL-BK	BR-BK	Y-O Supl Key Only	O-Y Supl Key Only
6					AH	AH	AH	AH	AH	AH	G
5			1		AH	AH	AH	AH	AH	C	G
4	1		2		AH	AH	AH	AH	C	C	G
3	2	1	3		AH	AH	AH	C	C	C	G
2	3	2	4		AH	AH	C	C	C	C	G
1	4	3	5		AH	C	C	C	C	C	G
			6		C	C	C	C	C	C	G
5			1	2	AH	AH	AH	C	C	C	G
5			1	3	AH	AH	C	C	C	C	G
5			1	4	AH	C	C	C	C	C	G
5			1	5	C	C	C	C	C	C	G

TABLE E

**PICKUP-SIGNALING KEY CONVERSION OF KEYS FROM LOCKING TO NONLOCKING OPERATION
FOR SETS USING D120B (MD) AND D200B (MD) CORDS**

(See Connection Notes 5 and 6 and Change Set Leads as Follows)

No. of Pickup Keys	No. of Signal Keys Converted from Pickup Keys			No. of Private and Intercom Lines with Com Sig Keys (per Key Unit)	Key Leads and Terminals of Key Units Involved						
	599A	599B	598A		BK	BR-G	BR-W	R-BL	G-BL	S-BR Supl Key Only	BR Supl Key Only
6					AH	AH	AH	AH	AH	AH	G
5			1		AH	AH	AH	AH	AH	C	G
4	1		2		AH	AH	AH	AH	C	C	G
3	2	1	3		AH	AH	AH	C	C	C	G
2	3	2	4		AH	AH	C	C	C	C	G
1	4	3	5		AH	C	C	C	C	C	G
			6		C	C	C	C	C	C	G
5			1	2	AH	AH	AH	C	C	C	G
5			1	3	AH	AH	C	C	C	C	G
5			1	4	AH	C	C	C	C	C	G
5			1	5	C	C	C	C	C	C	G

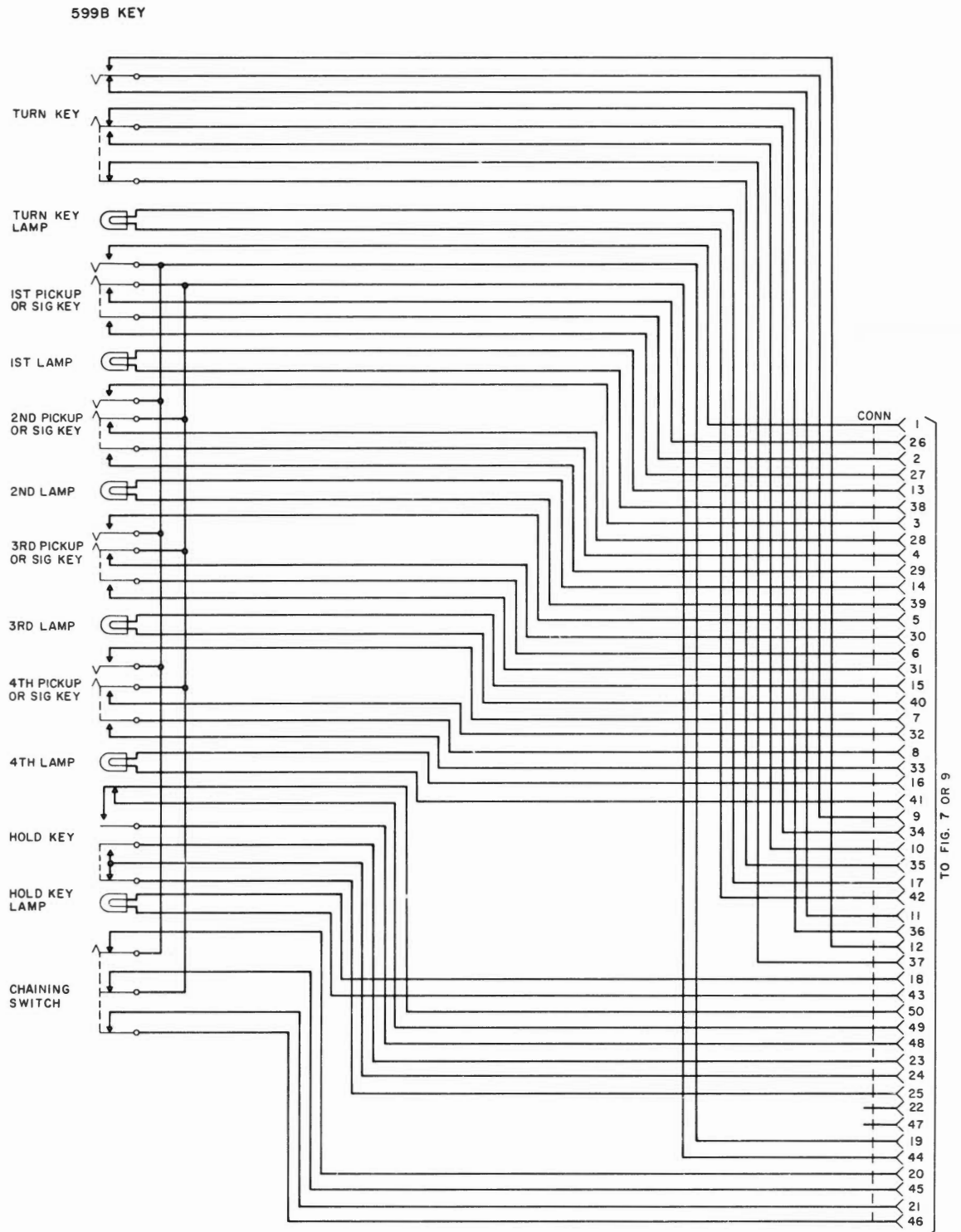


Fig. 3 - 599B Key

TABLE F

CONNECTION TABLE FOR 599B KEY (TURN KEY)

Feature	First Module 5th and 6th Pickup Key Leads						Cord Spade-Tipped Leads				
	R 5th	T 5th	A 5th	R 6th	T 6th	A 6th					
(MD) Color code	R-W	G-Y	G-BL	O-R	O-G	O-BK	O-R	O-G	O-BK	S-BR	G-BL
Cord pin numbers	9-9	34-34	35-35	11-11	36-36	37-G-37	37-+	36-+	37-G-37	12-+	10-AH
Even-count color code	G-BK	BK-G	BK-BR	BL-Y	Y-BL	O-Y Y-O	BL-Y	Y-BL	O-Y	Y-O	BR-BK
Cord pin numbers	9-13	34-38	38-39	11-16	36-41	37-G G-42	11-+	36-+	37-G	12-+	10-AH
Cutoff station on 1A1 system	To equip.		To ext sta			Insulate and store					
Cutoff station on 1A system without hold feature	To equip.		To ext sta			Insulate and store					
Cutoff station on 1A system with hold feature	To aux relay to cutoff T, R, B, & H					Insulate and store			SG TB VI	SG TB VI	
Cutoff ext ringer or buzzer	To equip.		To ext ringer or buzzer			Insulate and store					
Cutoff ringer in set	To equip.					Ringer* TB		Insulate and store			
						7	8				
Cutoff buzzer in set	To equip.					Buzzer* options		Insulate and store			
						D	C				
						A	C				
						Cap.	C				
Monitoring	To mon equip.					R TB1	T TB1				

Note: The O-R (MD) or BL-Y and O-G (MD) or Y-BL mounting cord leads should be insulated and stored at the equipment when the bridged spade-tipped leads are used in the set.

* Insulate and store BZ and BZ1 leads to buzzer or to ringer terminal board.

+ Indicates leads are factory insulated and stored.

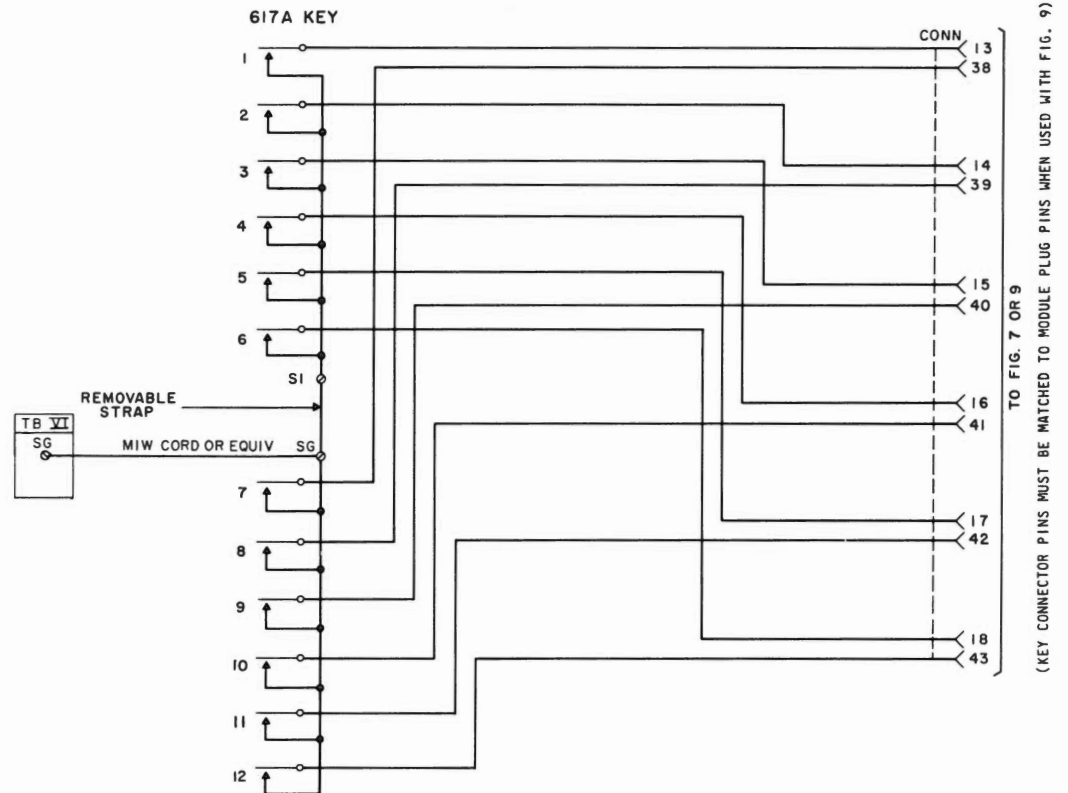


Fig. 4 — 617A Key

59A LAMP SOCKET (USE 51A LAMPS)

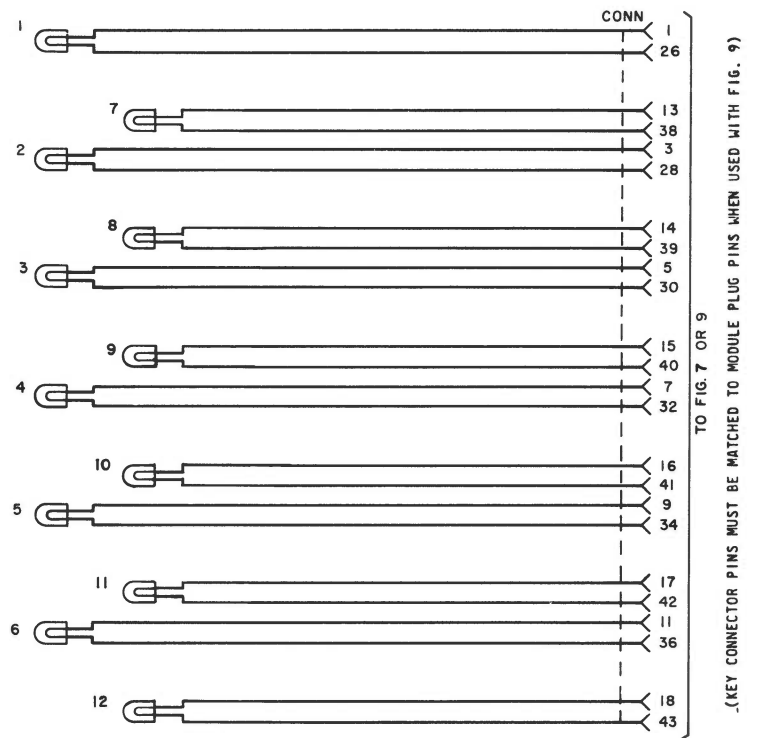


Fig. 5 — 59A Lamp Socket
(Use 51A Lamps)

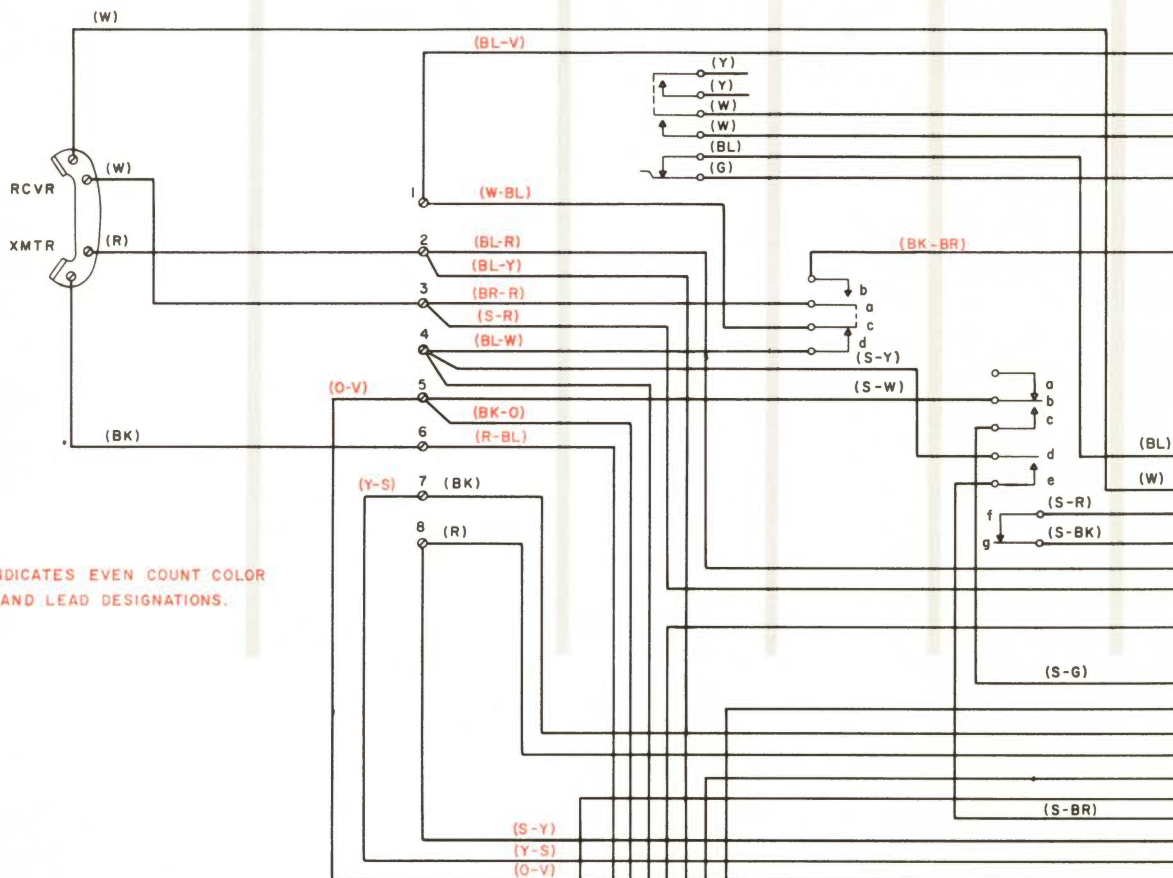
HAND SET G3AR

TERMINAL BOARD NO. 1

8C DIAL

FLASH KEY

SWITCH ASSEMBLY

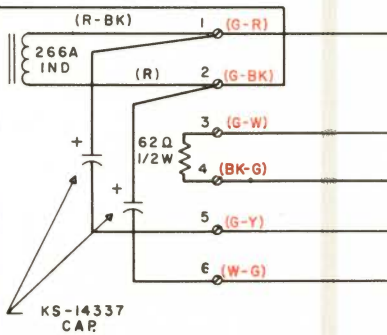
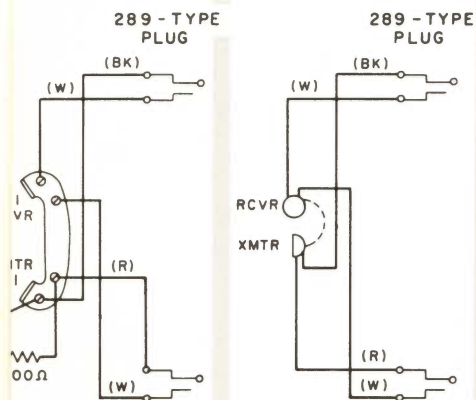


HAND SET G3L

HEAD SET 52A OR 53A

JACKS 517A

TERMINAL BOARD NO. 2



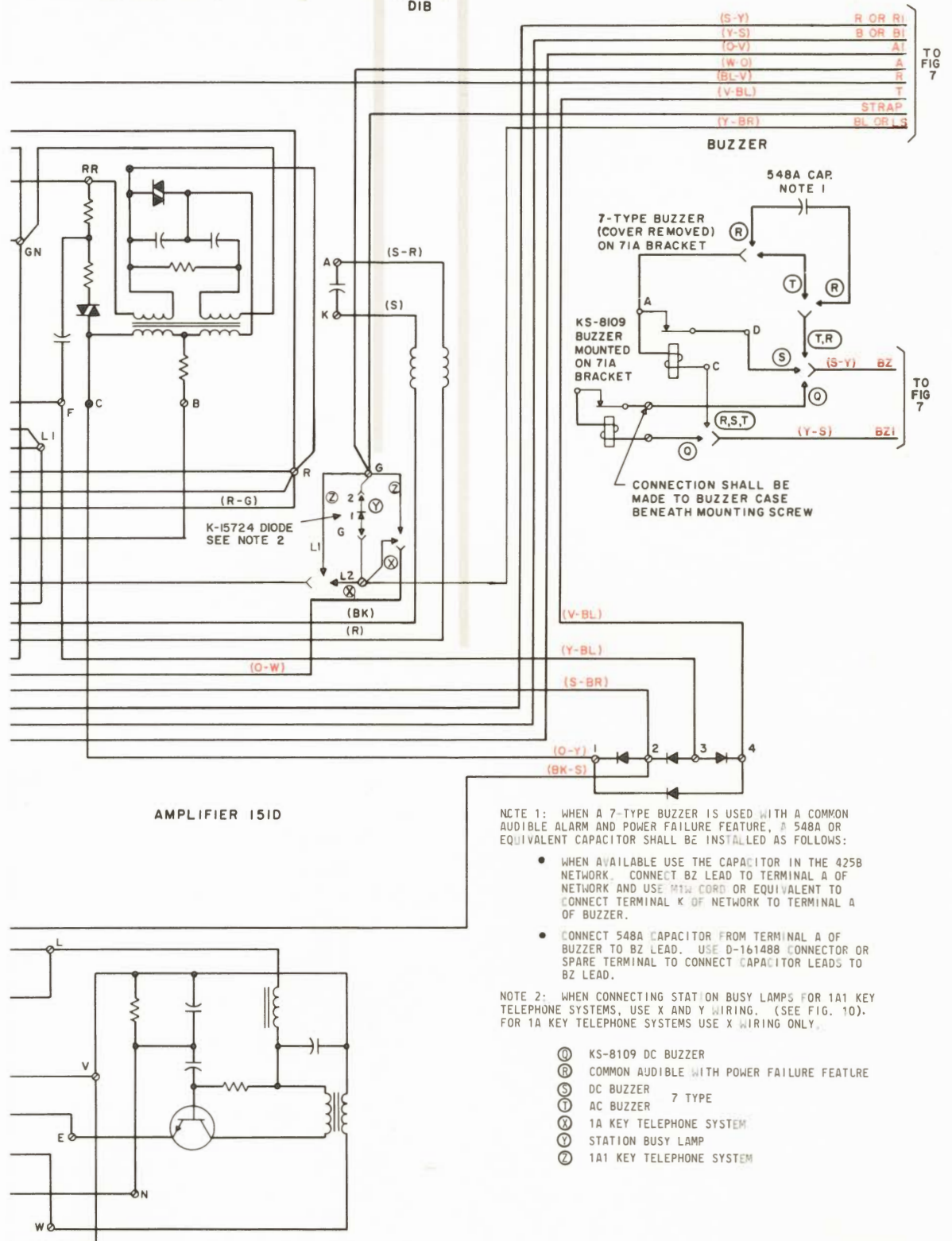
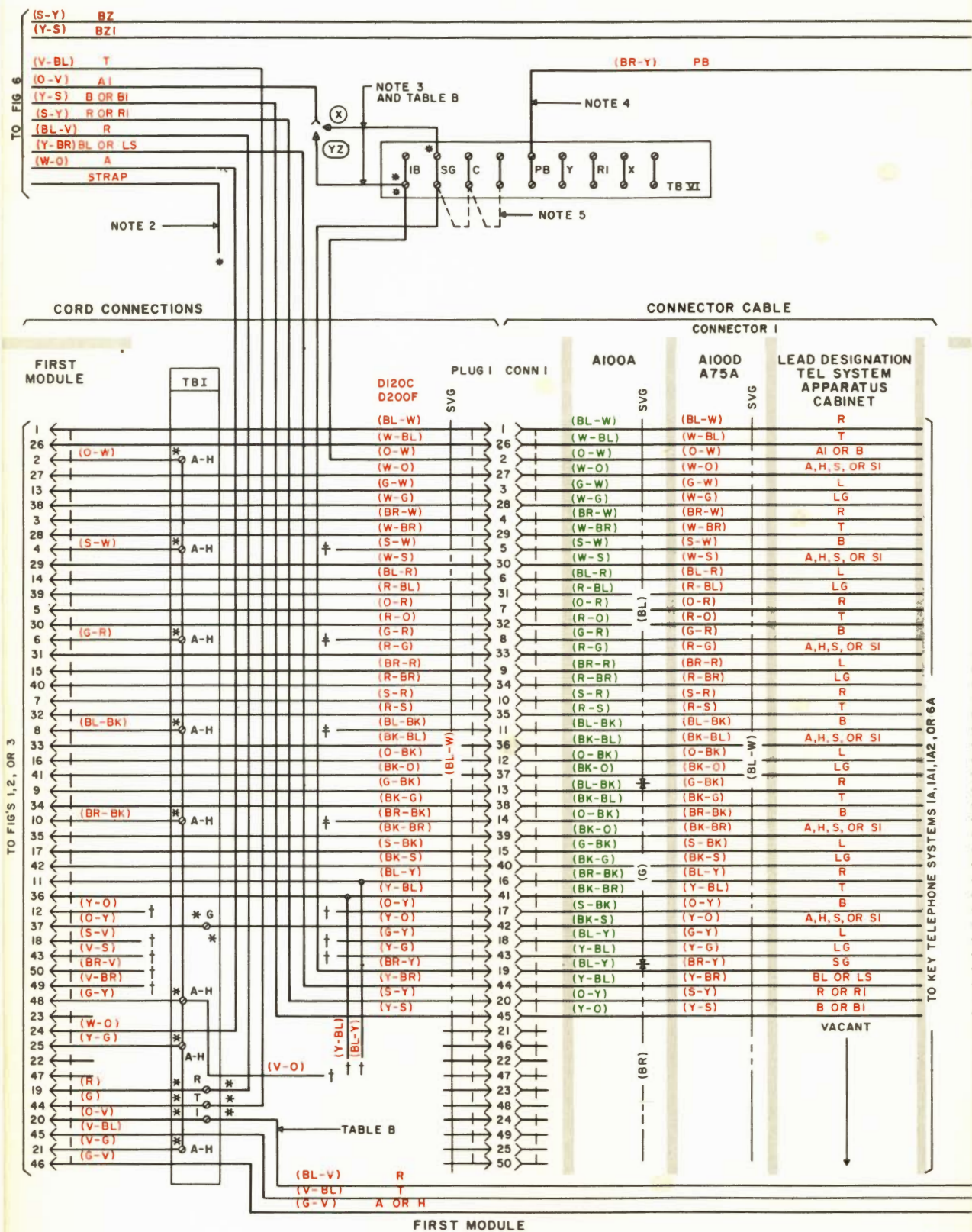


Fig. 6—Telephone Set Circuit for 636- and 637-Type Telephone Sets Equipped with Even-Count Color-Coded Cords



TO KEY TELEPHONE SYSTEMS 1A, 1A1, 1A2, OR 6A

NOTE 1: WHEN A 7-TYPE BUZZER IS USED WITH A COMMON AUDIBLE ALARM AND POWER FAILURE FEATURE, A 548A OR EQUIVALENT CAPACITOR SHALL BE INSTALLED AS FOLLOWS:

WHEN AVAILABLE, USE THE CAPACITOR IN THE 425B NETWORK, CONNECT BZ LEAD TO TERMINAL A OF NETWORK AND USE A #111 STRAP OR EQUIVALENT TO CONNECT TERMINAL K OF NETWORK TO TERMINAL A OF BUZZER.

CONNECT 548A CAPACITOR FROM TERMINAL A OF BUZZER TO BZ LEAD. USE A D-161488 CONNECTOR OR SPARE TERMINAL TO CONNECT CAPACITOR LEAD TO BZ LEAD.

NOTE 2: WITH 599A OR 599B KEY IN FIRST MODULE, THE FOLLOWING LEADS ARE SPACE TIPPED, INSULATED, AND STORED: (G-Y), (S-V), (Y-G), (V-S), (Y-O), (BL-Y), (Y-BL), AND (O-Y).

WITH 599B KEY IN FIRST MODULE (BR-BK) SHOULD BE INSULATED AND STORED.

WITH 598A KEY IN FIRST MODULE, THESE SAME LEADS ARE CONNECTED AS FOLLOWS:

TO EXTEND A LEAD CONTROL, STRAP TERMINAL G OF NETWORK TO EXTEND LAMP LEADS, CONNECT (G-Y) TO (S-V) AND (Y-G) D-161488 CONNECTORS OR SPARE TERMINALS.

CONNECT (Y-O) AND (BR-BK) (IF STORED) TO A-H TERMINAL (BL-Y), (Y-BL), AND (O-Y) LEADS REMAIN STORED.

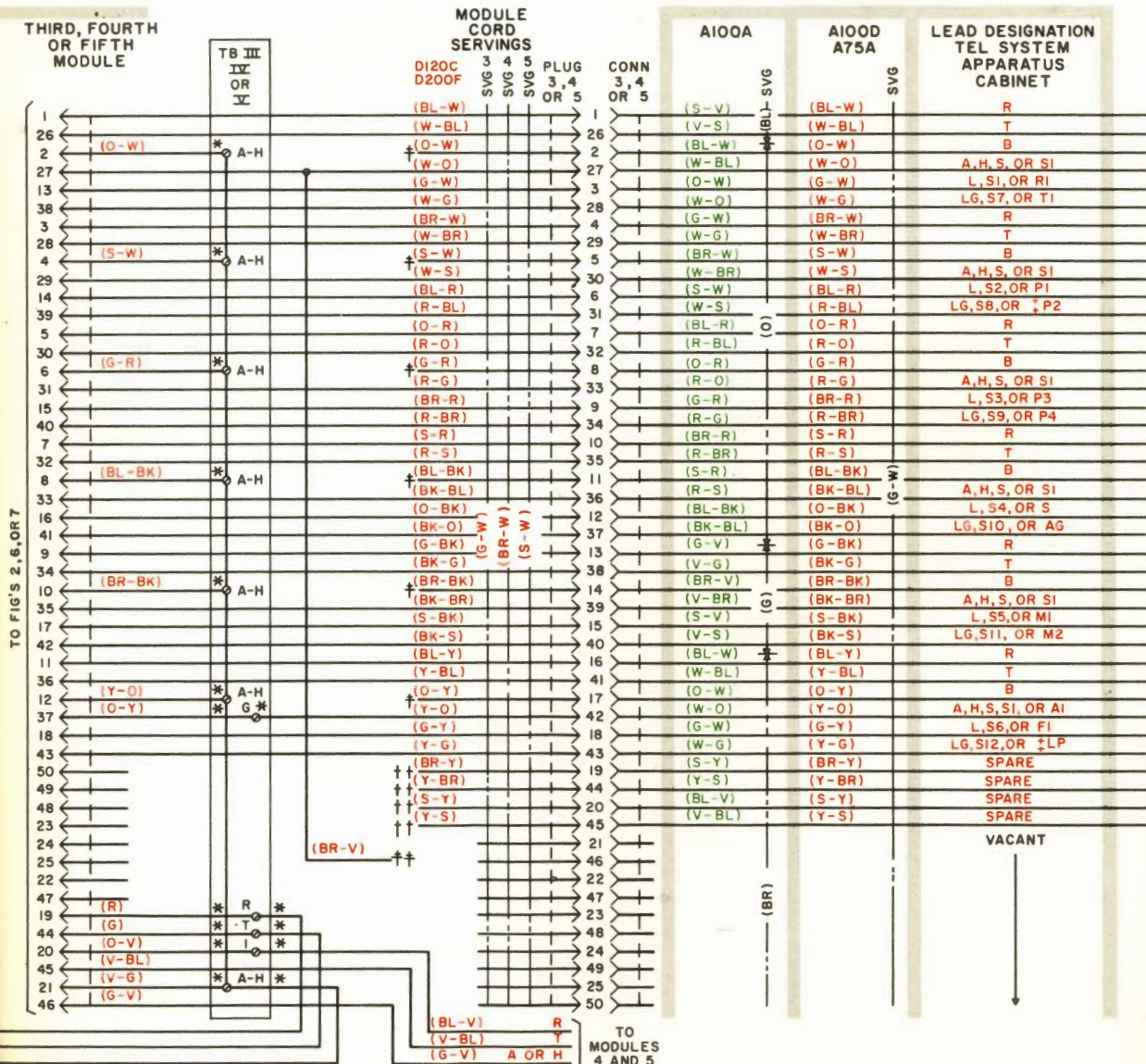
NOTE 3: WHEN 1A KEY SYSTEM ONLY IS USED, MOVE STRAP A1 (O- AND MAKE CONVERSIONS IN TABLE B.

NOTE 4: THE PB LEAD IS FOR ADD-ON CONFERENCE CONTROL OF TI

NOTE 5: WHEN SIGNALING KEYS OTHER THAN THE 617A ARE TO BE LEADS ASSOCIATED WITH THE CONVERTED PICKUP KEYS SHALL BE C ON TB VI. IF ADDITIONAL TERMINALS ARE REQUIRED, PROVIDE AN BETWEEN THE C OR S AND SG TERMINALS ON TB VI.

CORD CONNECTIONS

CONNECTOR 3



TO A-H TERMINAL ON TB1.
TO (V-S) USING
IN TB1.

NOTE 6: WHEN MORE THAN FIVE PRIVATE AND INTERCOMMUNICATING LINES
WITH COMMON SIGNAL KEY ARE REQUIRED PER TELEPHONE SET AND WHERE
THE 617A KEY IS NOT USED, STRAP TOGETHER C TERMINALS OF RESPECTIVE
6-BUTTON KEY UNITS REQUIRING COMMON SIGNALING FEATURE.

-V) FROM 1B TO 5G

IE 6A KEY TELEPHONE SYSTEM.
PROVIDED, THE SPADE-TIPPED
CONNECTED TO THE 5G TERMINAL
1 MW STRAP, OR EQUIVALENT,

CONNECTOR CABLE CONNECTIONS

CONNECTOR 4			CONNECTOR 5		
A100A	A100D	LEAD DESIGNATION TEL SYSTEM APPARATUS CABINET	A100A	A100D	LEAD DESIGNATION TEL SYSTEM APPARATUS CABINET
(O-BK)	(BL-W)	R	(BR-V)	(BL-W)	R OR L
(BK-O)	(W-BL)	T	(V-BR)	(W-BL)	T OR LG
(G-BK)	(O-W)	B	(S-V)	(O-W)	B
(BK-G)	(W-O)	A, H, S, OR SI	(V-S)	(W-O)	A, H, S, OR SI
(BR-BK)	(G-W)	L OR SI	(BL-W)	(G-W)	L, SI, OR RI
(BK-BR)	(W-G)	LG OR S7	(W-BL)	(W-G)	LG, S7, OR TI
(S-BK)	(BR-W)	R	(O-W)	(BR-W)	R OR L
(BK-S)	(W-BR)	T	(W-O)	(W-BR)	T OR LG
(BL-Y)	(S-W)	B	(G-W)	(S-W)	B
(Y-BL)	(W-S)	A, H, S, OR SI	(W-G)	(W-S)	A, H, S, OR SI
(O-Y)	(BL-R)	L OR S2	(BR-W)	(BL-R)	L, S2, OR PI
(Y-O)	(R-BL)	LG OR S8	(W-BR)	(R-BL)	LG, S8, OR P2
(G-Y)	(O-R)	R	(S-W)	(O-R)	R OR L
(Y-G)	(R-O)	T	(W-S)	(R-O)	T OR LG
(BR-Y)	(G-R)	B	(BL-R)	(G-R)	B
(Y-BR)	(R-G)	A, H, S, OR SI	(R-BL)	(R-G)	A, H, S, OR SI
(S-Y)	(BR-R)	L OR S3	(O-R)	(BR-R)	L, S3, OR P3
(Y-S)	(R-BR)	LG OR S9	(R-O)	(R-BR)	LG, S9, OR P4
(BL-V)	(S-R)	R	(G-R)	(S-R)	R OR L
(V-BL)	(R-S)	T	(R-G)	(R-S)	T OR LG
(O-V)	(BL-BK)	B	(BR-R)	(BL-BK)	B
(V-O)	(BK-BL)	A, H, S, OR SI	(R-BR)	(BK-BL)	A, H, S, OR SI
(G-V)	(O-BK)	L OR S4	(S-R)	(O-BK)	L, S4, OR S
(V-G)	(BK-O)	LG OR S10	(R-S)	(BK-O)	LG, S10, OR AG
(BR-W)	(G-BK)	R	(S-R)	(G-BK)	R OR L
(W-BR)	(BK-G)	T	(R-S)	(BK-G)	T OR LG
(S-W)	(BR-BK)	B	(BL-BK)	(BR-BK)	B
(W-S)	(BK-BR)	A, H, S, OR SI	(BK-BL)	(BK-BR)	A, H, S, OR SI
(BL-R)	(S-BK)	L OR S5	(O-BK)	(S-BK)	L, S5, OR MI
(R-BL)	(BK-S)	LG OR S11	(BK-O)	(BK-S)	LG, S11, OR M2
(O-R)	(BL-Y)	R	(G-BK)	(BL-Y)	R OR L
(R-O)	(Y-BL)	T	(BK-G)	(Y-BL)	T OR LG
(G-R)	(O-Y)	B	(BR-BK)	(O-Y)	B
(R-G)	(Y-O)	A, H, S, OR SI	(BK-BR)	(Y-O)	A, H, S, SI, OR AI
(BR-R)	(G-Y)	L OR S6	(S-BK)	(G-Y)	L, S6, OR FI
(R-BR)	(Y-G)	LG OR S12	(BK-S)	(Y-G)	LG, S12, OR LP
(O-V)	(BR-Y)	VACANT	(BR-V)	(BR-Y)	SPARE
(V-O)	(Y-BR)	VACANT	(V-BR)	(Y-BR)	SPARE
(G-V)	(S-Y)	VACANT	(S-V)	(S-Y)	SPARE
(V-G)	(Y-S)	VACANT	(V-S)	(Y-S)	SPARE
		VACANT			VACANT

TO KEY TELEPHONE SYSTEMS 1A, 1A1, 1A2, OR 6A

Fig. 7 — Cord and Cable Connections for 636- and 637-Type Telephone
Sets Equipped with Even-Count Color-Coded Cords

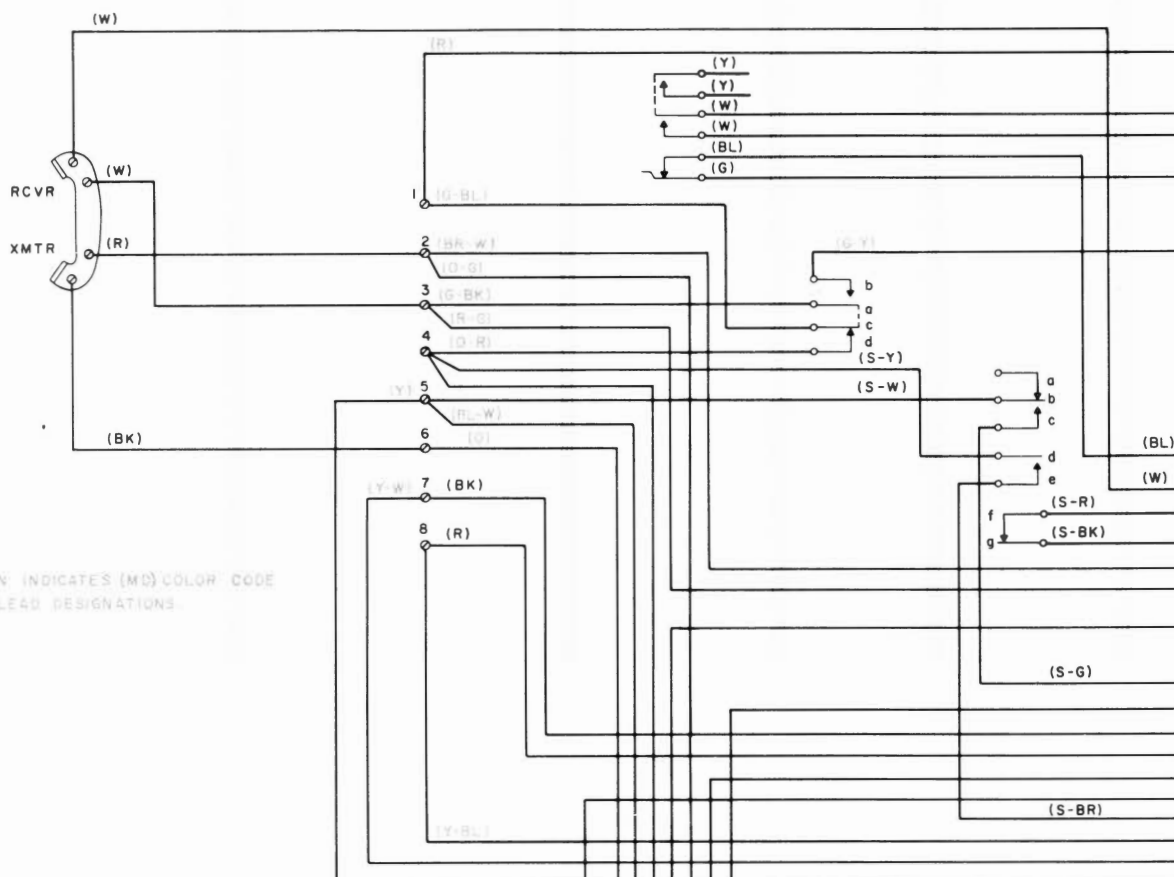
HAND SET G3AR

TERMINAL BOARD NO. 1

8C DIAL

FLASH KEY

SWITCH ASSEMBLY

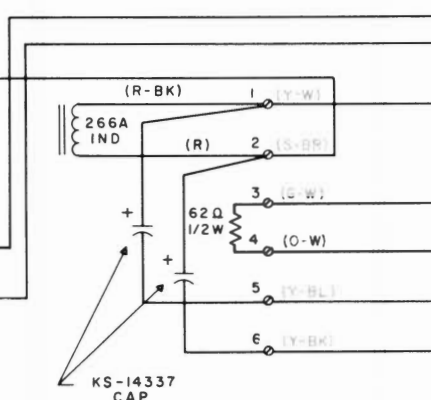
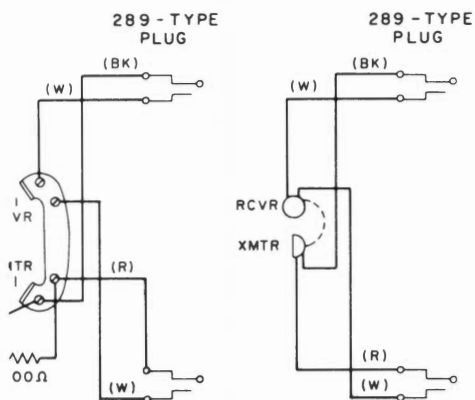


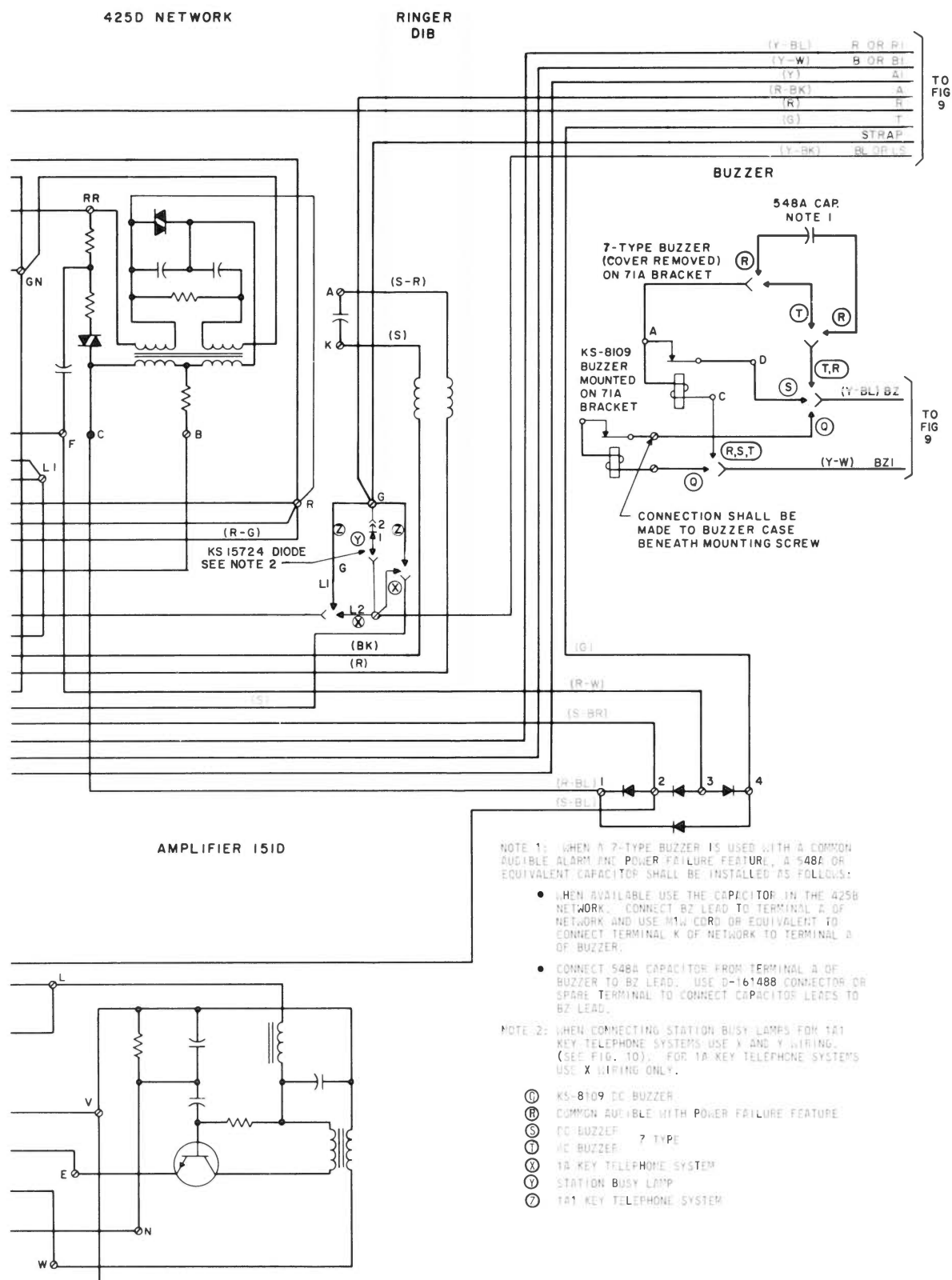
HAND SET G3L

HEAD SET 52A OR 53A

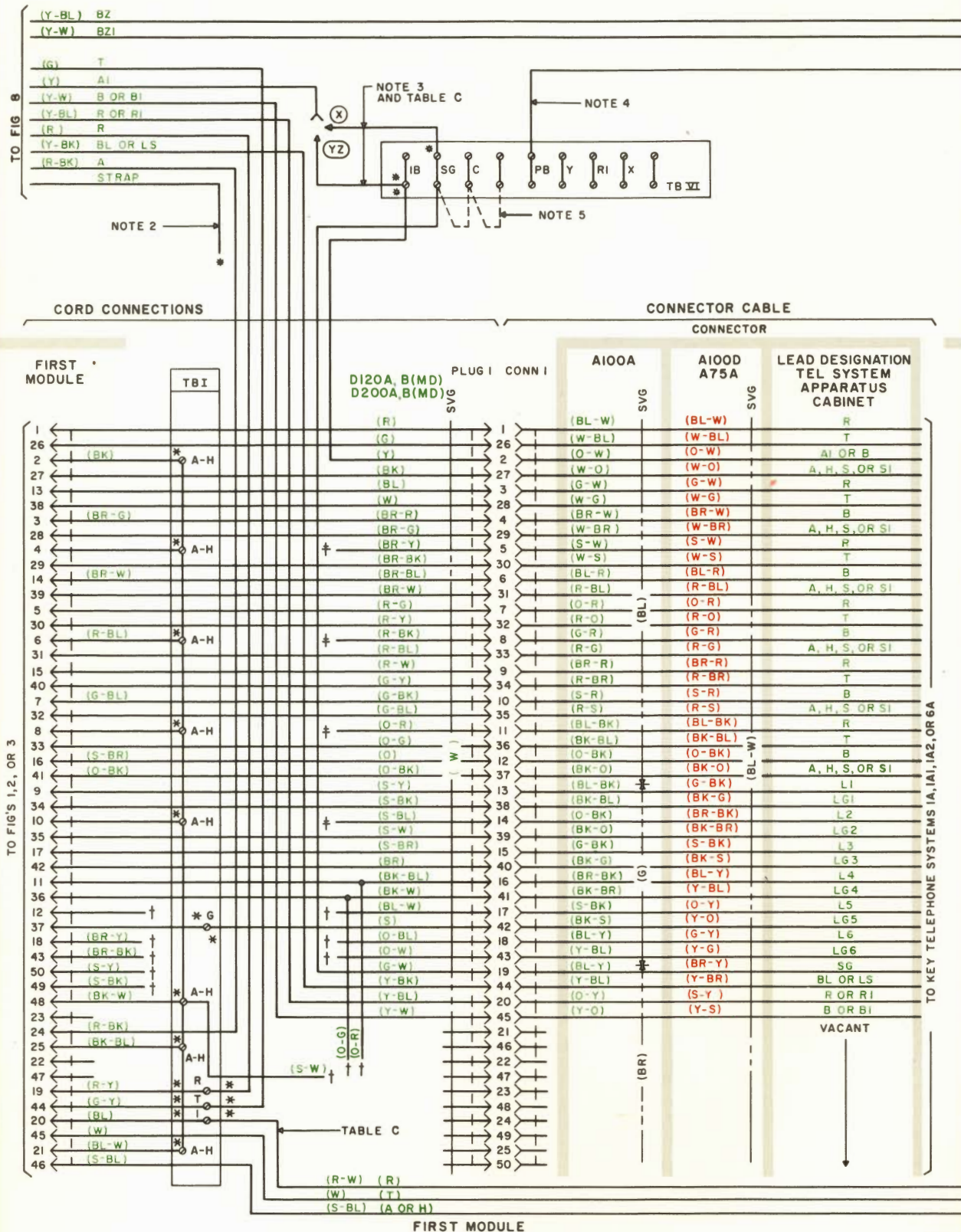
JACKS 517A

TERMINAL BOARD NO. 2





**Fig. 8 — Telephone Set Circuit for 636- and 637-Type Telephone Sets
Equipped with D120A, B (MD) or D200A, B (MD) Color-Coded Cords**



(Y-BL) BZ
(Y-W) BZI
(G-W) PB

CIRCUIT SYMBOLS:

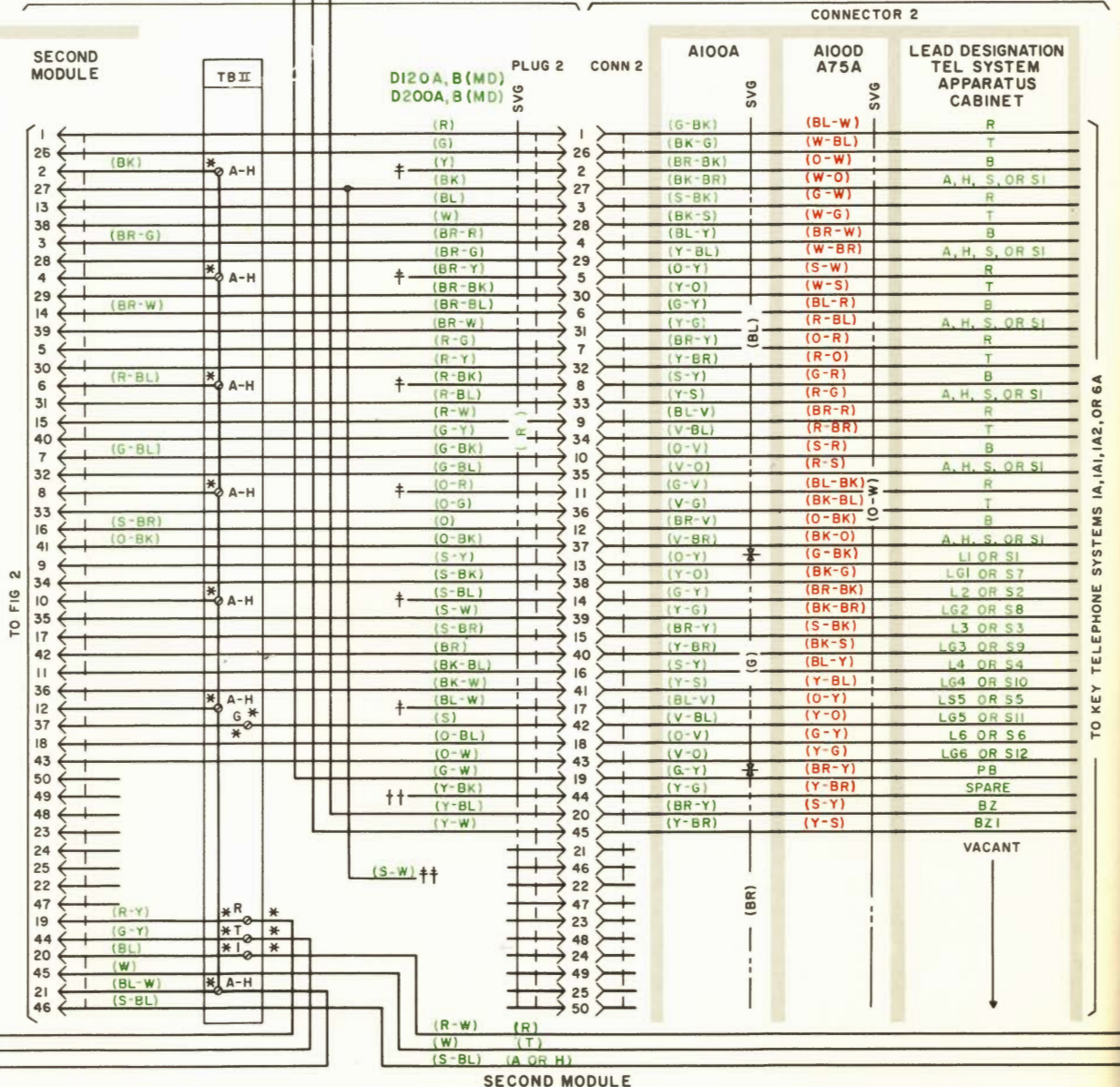
- * INDICATES LEADS ARE SPADE TIPPED.
- † INDICATES LEADS ARE SPADE TIPPED, INSULATED WITH KS-19147, L1 INSULATOR AND STORED.
- ‡ INDICATES LEADS ARE CUT DEAD AND INSULATED AT THE BUTT.
- †† INDICATES LEADS ARE SPADE TIPPED, INSULATED WITH KS-19147, L1 INSULATOR, AND STORED IN LAST MODULE OF 18 AND 30 BUTTON SETS.
- †† INDICATES LEADS ARE SPADE TIPPED, INSULATED WITH KS-19147, L1 INSULATOR, AND STORED IN FIRST AND LAST MODULES EQUIPPED WITH 598A KEY AND CUT DEAD AND INSULATED AT THE BUTT IN INTERMEDIATE MODULES.
- ‡ NOT REQUIRED FOR SPEAKERPHONE SYSTEM 3A.

RED INDICATES EVEN COUNT COLOR CODE AND LEAD DESIGNATIONS.

GREEN INDICATES (MD) COLOR CODE AND LEAD DESIGNATIONS

CORD CONNECTIONS

CONNECTOR CABLE CONNECTIONS



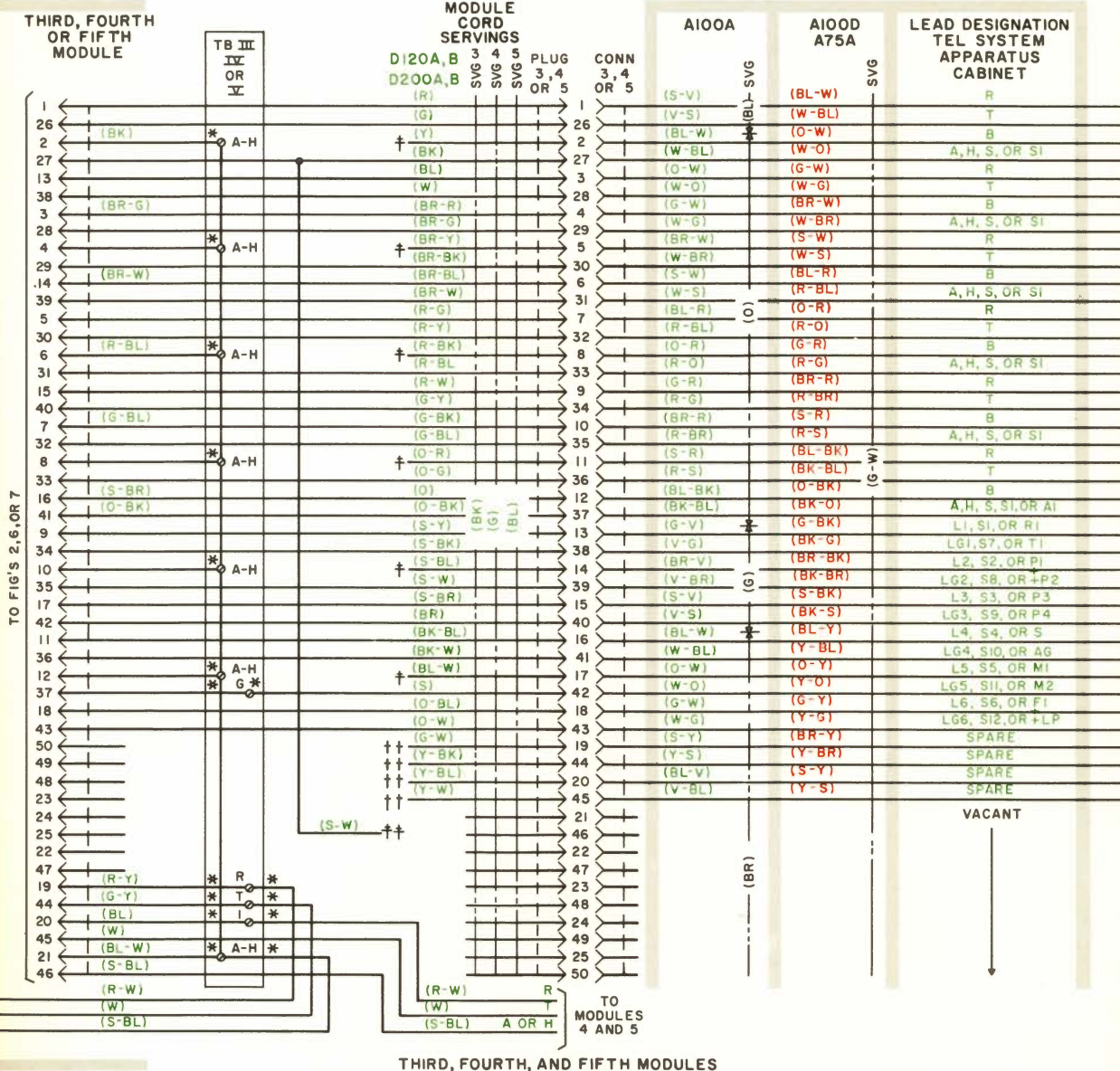
WITH 598A KEY IN FIRST MODULE, THESE SAME LEADS ARE CONNECTED AS FOLLOWS:

CONNECT (S-BR) AND (G-BL) (IF STORED) TO A-H TERMINAL O (O-R), (O-G), AND (O) LEADS REMAIN STORED.

NOTE 4: THE PB LEAD IS FOR ADD-ON CONFERENCE CONTROL OF THE

NOTE 5: WHEN SIGNALING KEYS OTHER THAN THE 617A ARE TO BE P
LEADS ASSOCIATED WITH THE CONVERTED PICKUP KEYS SHALL BE CON
ON TB VI. IF ADDITIONAL TERMINALS ARE REQUIRED, PROVIDE AN
BETWEEN THE C OR S AND SG TERMINALS ON TB VI.

CONNECTOR 3



0 A-H TERMINAL ON TB1.

) TO (BR-BK) USING

N TB1.

) FROM 1B TO 5G

6A KEY TELEPHONE SYSTEM.

ROVIDED, THE SPADE-TIPPED
NECTED TO THE 5G TERMINAL
M1W STRAP, OR EQUIVALENT,

NOTE 6: WHEN MORE THAN FIVE PRIVATE AND INTERCOMMUNICATING LINES
WITH COMMON SIGNAL KEY ARE REQUIRED PER TELEPHONE SET AND WHERE
THE 617A KEY IS NOT USED, STRAP TOGETHER C TERMINALS OF RESPECTIVE
6-BUTTON KEY UNITS REQUIRING COMMON SIGNALING FEATURE.

CONNECTOR CABLE CONNECTIONS

CONNECTOR 4			CONNECTOR 5		
A100A	A100D	LEAD DESIGNATION TEL SYSTEM APPARATUS CABINET	A100A	A100D	LEAD DESIGNATION TEL SYSTEM APPARATUS CABINET
(O-BK)	(BL-W)	R	(BR-V)	(BL-W)	R OR L
(BK-O)	(W-BL)	T	(V-BR)	(W-BL)	T OR LG
(G-BK)	(O-W)	B	(S-V)	(O-W)	B
(BK-G)	(W-O)	A, H, S, OR SI	(V-S)	(W-O)	A, H, S, OR SI
(BR-BK)	(G-W)	R	(BL-W)	(G-W)	R OR L
(BK-BR)	(W-G)	T	(W-BL)	(W-G)	T OR LG
(S-BK)	(BR-W)	B	(O-W)	(BR-W)	B
(BK-S)	(W-BR)	A, H, S, OR SI	(W-O)	(W-BR)	A, H, S, OR SI
(BL-Y)	(S-W)	R	(G-W)	(S-W)	R OR L
(Y-BL)	(W-S)	T	(W-G)	(W-S)	T OR LG
(O-Y)	(BL-R)	B	(BR-W)	(BL-R)	B
(Y-O)	(R-BL)	A, H, S, OR SI	(W-BR)	(R-BL)	A, H, S, OR SI
(G-Y)	(O-R)	R	(S-W)	(O-R)	R OR L
(Y-G)	(R-O)	T	(W-S)	(R-O)	T OR LG
(BR-Y)	(G-R)	B	(BL-R)	(G-R)	B
(Y-BR)	(R-G)	A, H, S, OR SI	(O-BL)	(R-G)	A, H, S, OR SI
(S-Y)	(BR-R)	R	(O-R)	(BR-R)	R OR L
(Y-S)	(R-BR)	T	(R-O)	(R-BR)	T OR LG
(BL-V)	(S-R)	B	(G-R)	(S-R)	B
(V-BL)	(R-S)	A, H, S, OR SI	(R-G)	(R-S)	A, H, S, OR SI
(O-V)	(BL-BK)	R	(BR-R)	(BL-BK)	R OR L
(V-O)	(BK-BL)	T	(R-BR)	(BK-BL)	T OR LG
(G-V)	(O-BK)	B	(S-R)	(O-BK)	B
(V-G)	(BK-O)	A, H, S, OR SI	(R-S)	(BK-O)	A, H, S, SI, OR AI
(BR-W)	(G-BK)	L1 OR S1	(S-R)	(G-BK)	L1, S1, OR R1
(W-BR)	(BK-G)	L2 OR S2	(R-S)	(BK-G)	L2, S2, OR P1
(S-W)	(BR-BK)	L3 OR S3	(BL-BK)	(BR-BK)	L3, S3, OR P2
(W-S)	(BK-BR)	L4 OR S4	(O-BK)	(BK-S)	L4, S4, OR S
(BL-R)	(S-BK)	L5 OR S5	(BK-O)	(BL-Y)	L5, S5, OR M1
(R-BL)	(BK-S)	L6 OR S6	(G-BK)	(Y-BL)	L6, S6, OR AG
(O-R)	(Y-BL)	L7 OR S7	(BR-BK)	(O-Y)	L7, S7, OR M2
(R-O)	(O-Y)	L8 OR S8	(BK-BR)	(Y-O)	L8, S8, OR M2
(G-R)	(Y-O)	L9 OR S9	(S-BK)	(G-Y)	L9, S9, OR F1
(R-G)	(G-Y)	L10 OR S10	(BK-S)	(Y-G)	L10, S10, OR LP
(BR-R)	(Y-G)	SPARE	(BR-V)	(BR-Y)	SPARE
(O-V)	(BR-Y)	SPARE	(V-BR)	(Y-BR)	SPARE
(V-O)	(Y-BR)	SPARE	(S-V)	(S-Y)	SPARE
(G-V)	(S-Y)	SPARE	(V-S)	(Y-S)	SPARE
(V-G)	(Y-S)	SPARE			
		VACANT			VACANT

TO KEY TELEPHONE SYSTEMS 1A, 1A1, 1A2, OR 6A

Fig. 9 — Cord and Cable Connections for 636- and 637-Type Telephone Sets
Equipped with D120A, B (MD) or D200A, B (MD) Color-Coded Cords

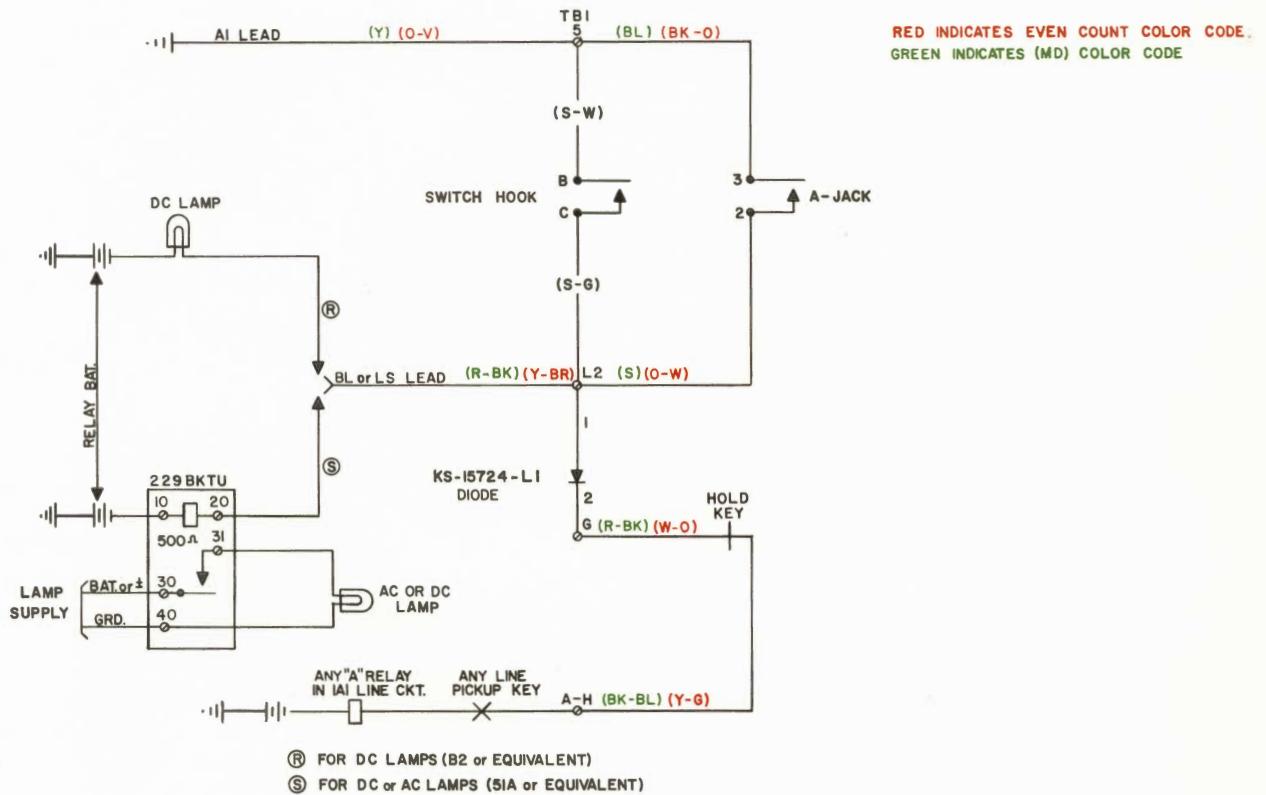


Fig. 10 — Busy Lamp Control Circuit for 636- and 637-Type Telephone Sets
Equipped with (MD) or Even-Count Color-Coded Cords