

TELEPHONE CONSOLES — 1 AND 2 TYPES

CONNECTIONS FOR NO. 5 CROSSBAR (PRESTANDARD)

1.00 INTRODUCTION

1.01 This section covers connections for the 1- and 2-type telephone consoles to the No. 5 crossbar PBX. It covers terminal strip connections in the console, mounting cord, and connector cable assignments and their associated plugs and connectors.

1.02 This section is reissued to:

- Provide circuit information on new attendant telephone circuit with signal generator (Fig. 3A).
- Make circuit changes in existing attendant telephone circuit (Fig. 3B).
- Add information in other figures to bring section up to date.

1.03 Due to extensive changes marginal arrows have been omitted.

2.00 GENERAL

2.01 The 1- and 2-type telephone consoles are of a universal type and may also be used in other PBX systems without modification. This is accomplished by means of a plug-in type mounting cord selected for the PBX system to be served.

2.02 The 1A and 2A telephone consoles are furnished without mounting cord, which must be ordered separately and installed. The 1B and 2B telephone consoles are furnished with mounting cords installed.

2.03 A G3CR hand set or a 52-type head telephone set may be used for the attendant telephone set.

2.04 A dc pushbutton (21D) dial is used with the No. 5 crossbar (prestandard). The rotary (8C) and TOUCH-TONE (25-type) will not be used with this system. Fig. 3A and B show optional wiring connections for TOUCH-TONE dials for information only. The dc pushbutton dial will operate with Fig. 3A or B.

2.05 Ordering information for type of console, type of mounting cord, and connector cable used with the No. 5 crossbar system may be found in the section entitled Telephone Consoles, 1 and 2 Types, Identification and Assembly of Parts.

2.06 The 1-type telephone console has a maximum of twelve pickup keys, twelve control keys, and six miscellaneous keys. The 2-type telephone console has a maximum of thirty pickup keys, twelve control keys, and six miscellaneous keys.

3.00 APPLICATION OF DRAWINGS

3.01 The following text describes the use of connection figures in this section. For example, to wire pickup keys and lamps 7 to 12 of either the 1- or 2-type console, refer to Fig. 1. Locate pickup keys 7 to 12 and note Fig. number of the key and mounting cord plug, the key being Fig. 5 and the mounting cord plug number 8. Then using Fig. 5, overlay the key into mounting cord plug 8 in Fig. 9A.

4.00 CIRCUIT NOTES

4.01 Maximum lamp lead resistance:

- 25 ohms or less; no repeater needed.
- 26 ohms or more; use lamp repeating circuit, SD-65849-01.

5.00 SPECIAL KEY NOTES

- (1) Use of the ADV key will be designated by local engineering if needed.
- (2) Conference key (CONF) will be designated only on positions intended to control conference connections.
- (3) Nite key will be designated only on positions intended to control the nite closing.

6.00 INDEX FOR CONNECTION FIGURES

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Fig. 2 - Lead Assignment Form

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Fig. 4 - DC Pushbutton Dial 21D

Fig. 5 - 598H Key, Pickup Keys and Lamps

Fig. 6 - 59A Lamp Socket, Supervisory Lamps (Source and Destination)

Fig. 7 - 598F Key, Control Keys and Lamps

Fig. 8 - 598E Key, Miscellaneous Keys and Lamps

Fig. 9A - Connections for Mounting Cord and Connector Cable for 1-Type Telephone Console and Plugs 1 through 8 of 2-Type Telephone Console

Fig. 9B - Connections for Mounting Cord and Connector Cable for 2-Type Telephone Console, Plugs 9 through 14.

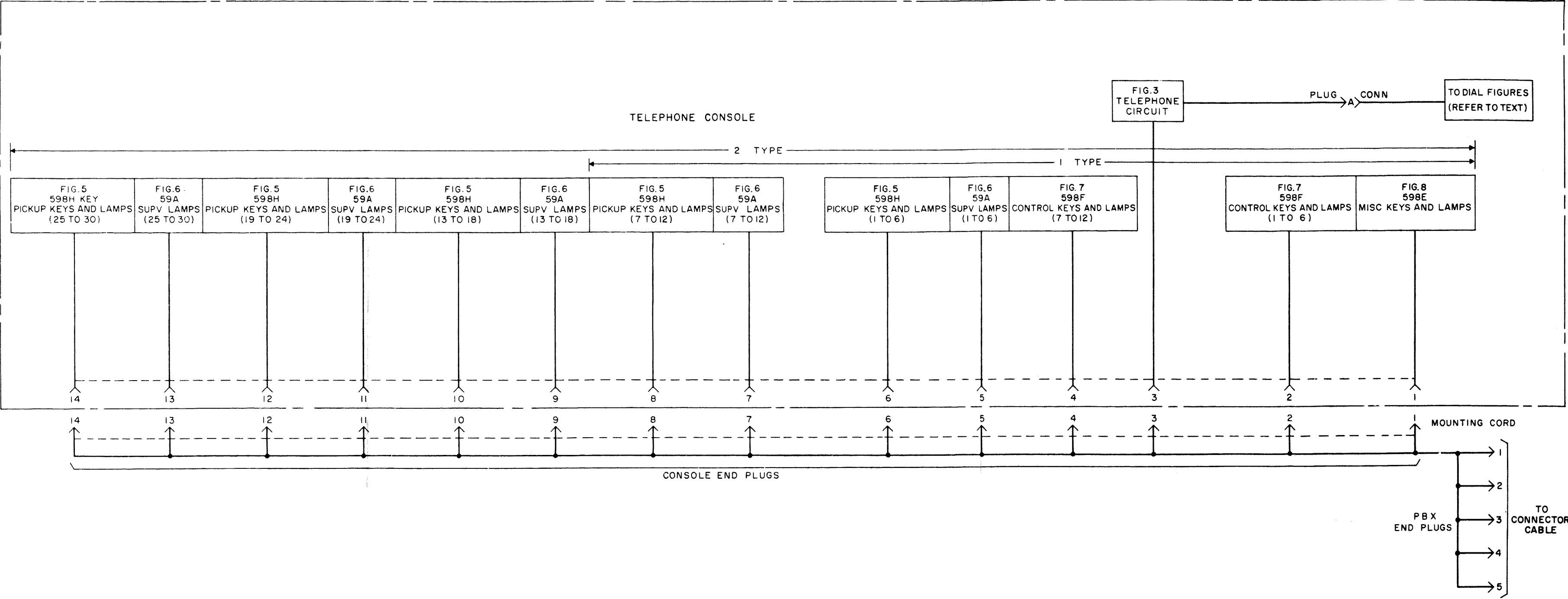


Fig. 1 - Mounting Cord and Equipment Layout for 1- and 2-Type Telephone Console

2- TYPE TELEPHONE CONSOLE																	
1- TYPE TELEPHONE CONSOLE																	
CONNECTOR 1-2-3-4-5		COLOR CODE	A75A CONNECTOR CABLE OR EQUIVALENT						A50B CONNECTOR CABLE OR EQUIVALENT								
			BL-W	EQUIP OR CABLE PAIR	O-W	EQUIP OR CABLE PAIR	G-W	EQUIP OR CABLE PAIR	BL-W	EQUIP OR CABLE PAIR	O-W	EQUIP OR CABLE PAIR					
													CONN 1	CONN 2	CONN 3	CONN 1	CONN 2
													LEAD DESIG	LEAD DESIG	LEAD DESIG	LEAD DESIG	LEAD DESIG
1		BL-W	11TK			1TK		PBK		SPARE		25TK					
	26	W-BL	12TK			2TK		CA		SPARE		13ATKA					
2		O-W	13TK *			3TK		4ATKA		SPARE		26TK					
	27	W-O	14TK *			4TK		HK		SPARE		14ATKA					
3		G-W	15TK *			5TK		ATK		SPARE		27TK					
	28	W-G	16TK *			6TK		PBL		21TK		15ATKA					
4		BR-W	17TK *			7TK		B7		SPARE		28TK					
	29	W-BR	18TK *			8TK		ATL		22TK		16ATKA					
5		S-W	19TK *			9TK		1		SPARE		29TK					
	30	W-S	20TK *			10TK		2		23TK		17ATKA					
6		BL-R	11KL			1KL		4		SPARE		30TK					
	31	R-BL	B1			B4		6ATKA		24TK		18ATKA					
7		O-R	12KL			2KL		7		SPARE		25KL					
	32	R-O	13KL *			3KL		LG		SPARE		19ATKA					
8		G-R	14KL *			4KL		LB		SPARE		26KL					
	33	R-G	15KL *			5KL		O		SPARE		20ATKA					
9		BR-R	16KL *			6KL		SPARE		B9		27KL					
	34	R-BR	17KL *			7KL		LK		21KL		21ATKA					
10		S-R	18KL *			8KL		NK		B10		28KL					
	35	R-S	19KL *			9KL		7ATKA		22KL		22ATKA					
11		BL-BK	20KL *			10KL		RK2		B11		29KL					
	36	BK-BL	20SOL *			10SOL		8ATKA		23KL		23ATKA					
12		O-BK	20DEL *			10DEL		EK		B12		30KL					
	37	BK-O	19SOL *			9SOL		SPARE		24KL		24ATKA					
13		G-BK	19DEL *			9DEL		B8		B13		25SOL					
	38	BK-G	18SOL *			8SOL		2ATKA		SPARE		25ATKA					
14		BR-BK	18DEL *			8DEL		CK2		B14		26SOL					
	39	BK-BR	17SOL *			7SOL		CK1		SPARE		26ATKA					
15		S-BK	17DEL *			7DEL		RK1		B15		27SOL					
	40	BK-S	16SOL *			6SOL		SPARE		21SOL		27ATKA					
16		BL-Y	16DEL *			6DEL		SRL		B16		28SOL					
	41	Y-BL	15SCL *			5SOL		SPARE		22SOL		28ATKA					
17		O-Y	15DEL *			5DEL		9ATKA		B17		29SOL					
	42	Y-O	14SOL *			4SOL		SVK		23SOL		29ATKA					
18		G-Y	14DEL *			4DEL		3ATKA		SPARE		30SOL					
	43	Y-G	13SOL *			3SOL		SPARE		24SOL		30ATKA					
19		BR-Y	13DEL *			3DEL		1ATKA		SPARE		25DEL					
	44	Y-BR	12SOL			2SOL		11ATKA		SPARE		SPARE					
20		S-Y	12DEL			2DEL		CL1		SPARE		26DEL					
	45	Y-S	B2			B5		RFK		SPARE		SPARE					
21		BL-V	11SOL			1SOL		CL2		SPARE		27DEL					
	46	V-BL	11DEL			1DEL		RFK1		21DEL		SPARE					
22		O-V	B3			B6		CK		SPARE		28DEL					
	47	V-O	JK1			L		FLK1		22DEL		SPARE					
23		G-V	G2			NA		RI		SPARE		29DEL					
	48	V-G	SB			CW		TI		23DEL		SPARE					
24		BR-V	R			G1		5ATKA		SPARE		30DEL					
	49	V-BR	T			G3		NCL		24DEL		SPARE					
25		S-V	B			G4		12ATKA		SPARE		SPARE					
	50	V-S	G			G5		10ATKA		SPARE		SPARE					
* RUN LEADS ON 2- TYPE TELEPHONE CONSOLE ONLY																	

* RUN LEADS ON 2- TYPE TELEPHONE CONSOLE ONLY

Fig. 2 - Lead Assignment Form

* SPARE LEADS STORED IN CONSOLE SHOULD BE INSULATED WITH KS-19147, LIST 1 CORD TIP INSULATOR.
† SPARE PINS OMITTED ON PLUG A AND CONNECTOR 3.
X OPTION 2-WIRE SERVICE
Y OPTION 4-WIRE SERVICE

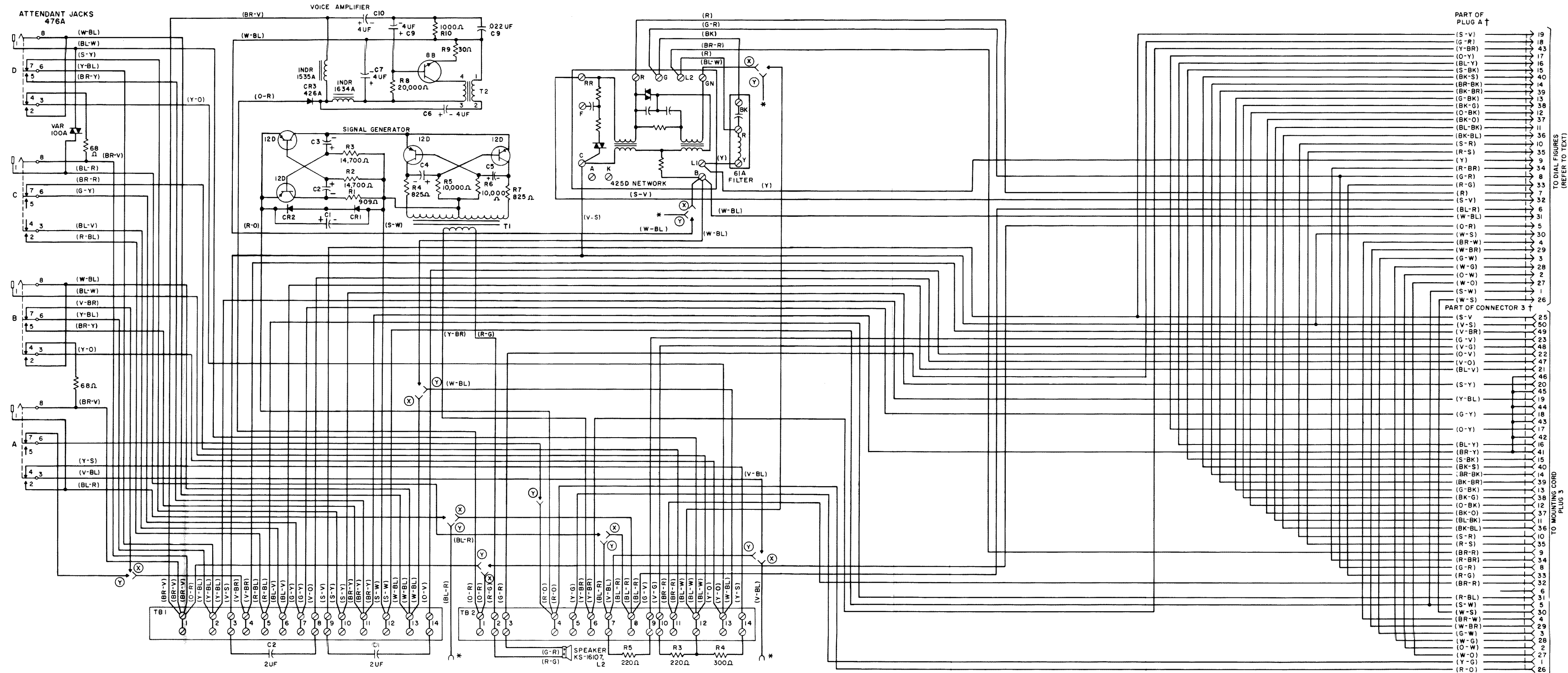


Fig. 3A — Attendant Telephone Circuit for 1B and 2B Telephone Consoles

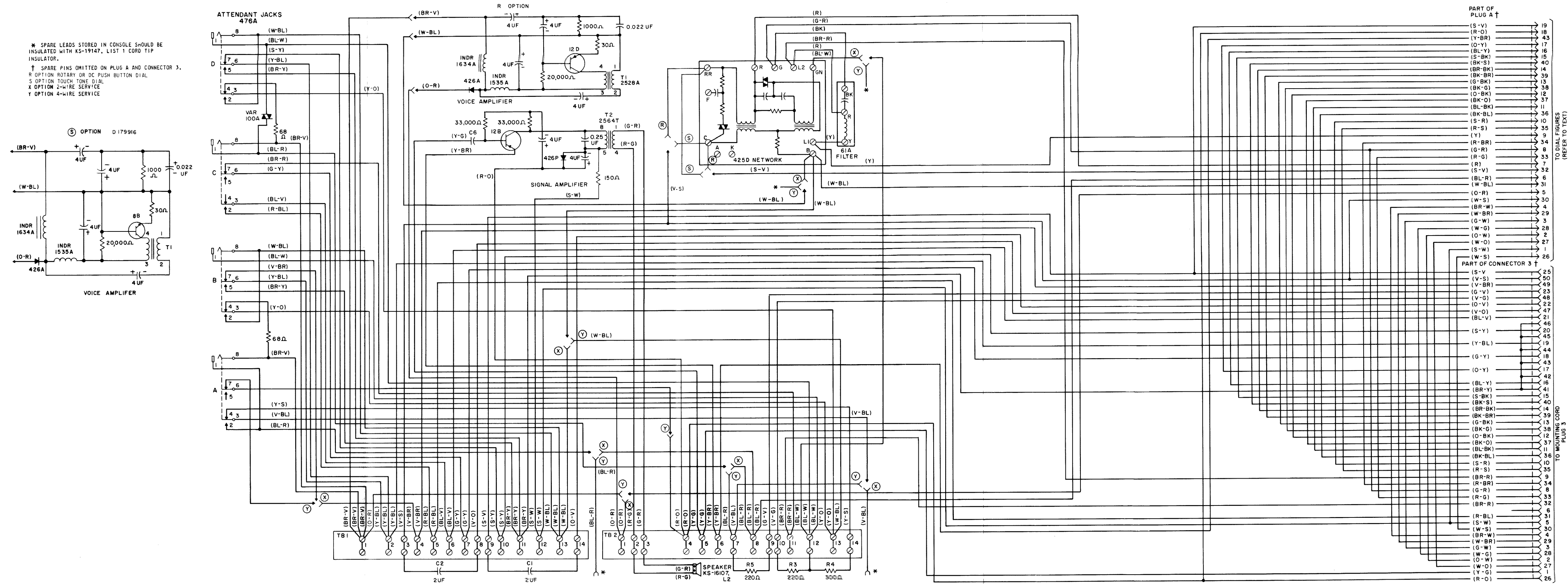


Fig. 3B — Attendant Telephone Circuit for 1A and 2A Telephone Consoles

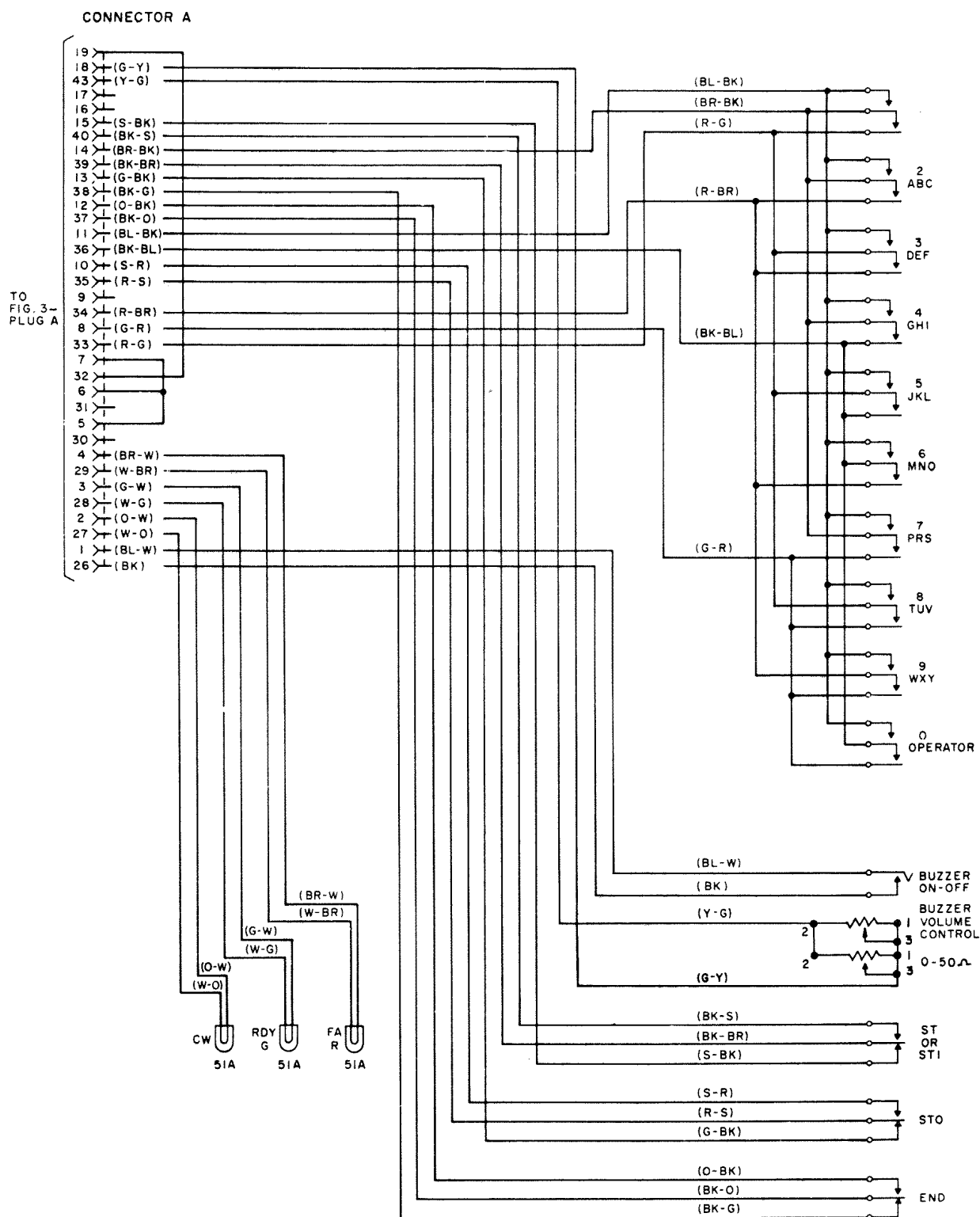


Fig. 4 - DC Pushbutton Dial 21D

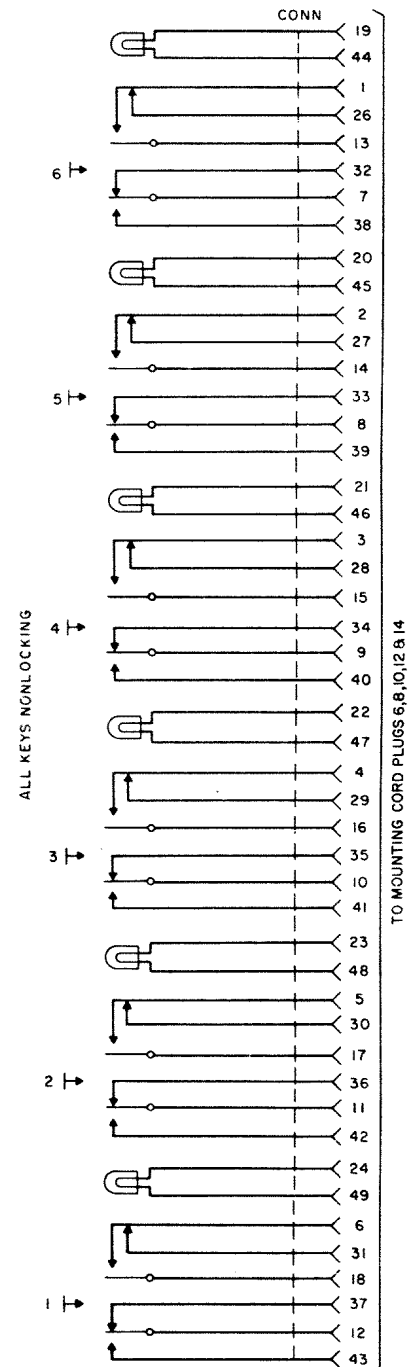


Fig. 5 - 598H Key, Pickup Keys and Lamps

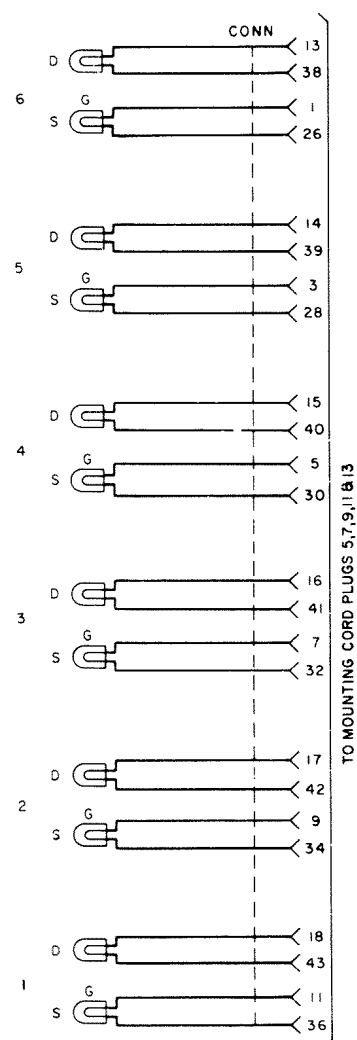


Fig. 6 - 59A Lamp Socket, Supervisory Lamps (Source and Destination)

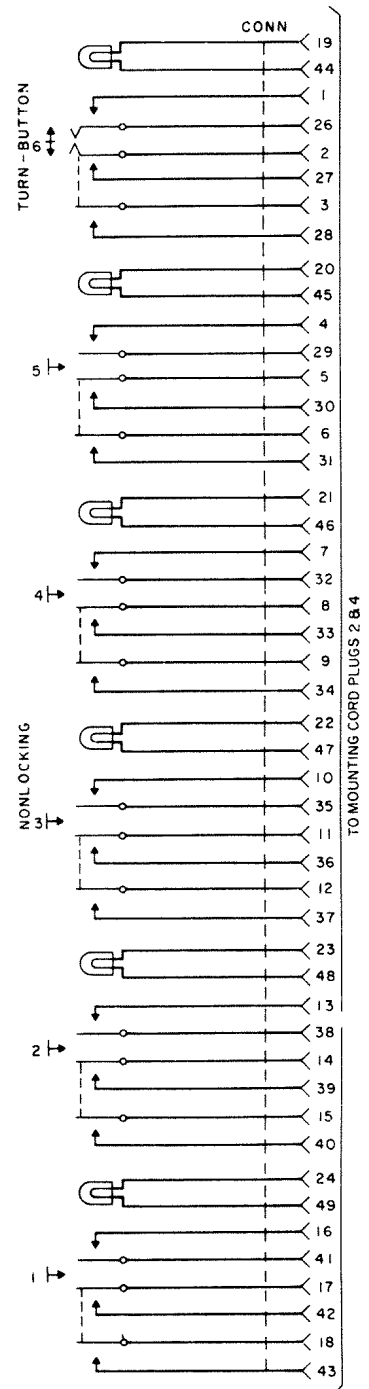


Fig. 7 - 598F Key, Control Keys and Lamps

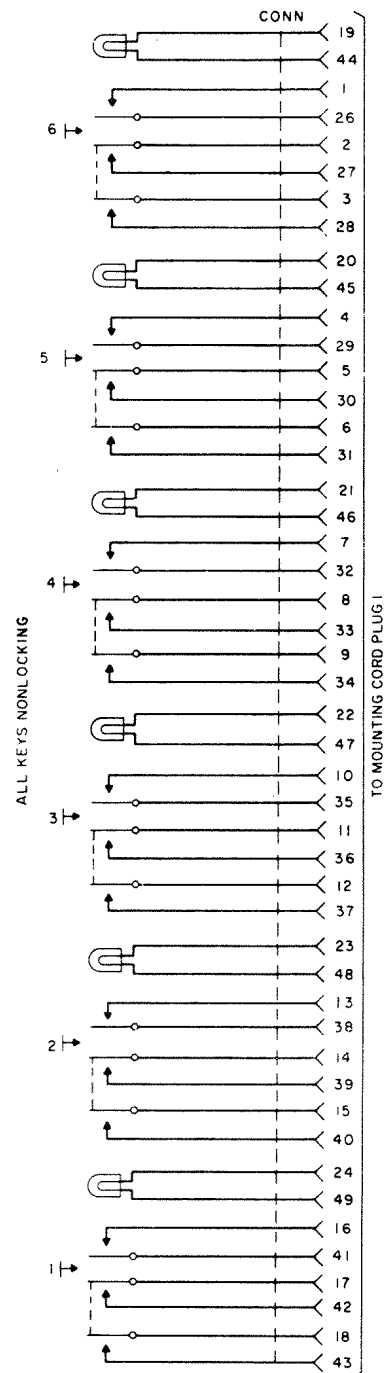


Fig. 8 - 598E Key, Miscellaneous Keys and Lamps

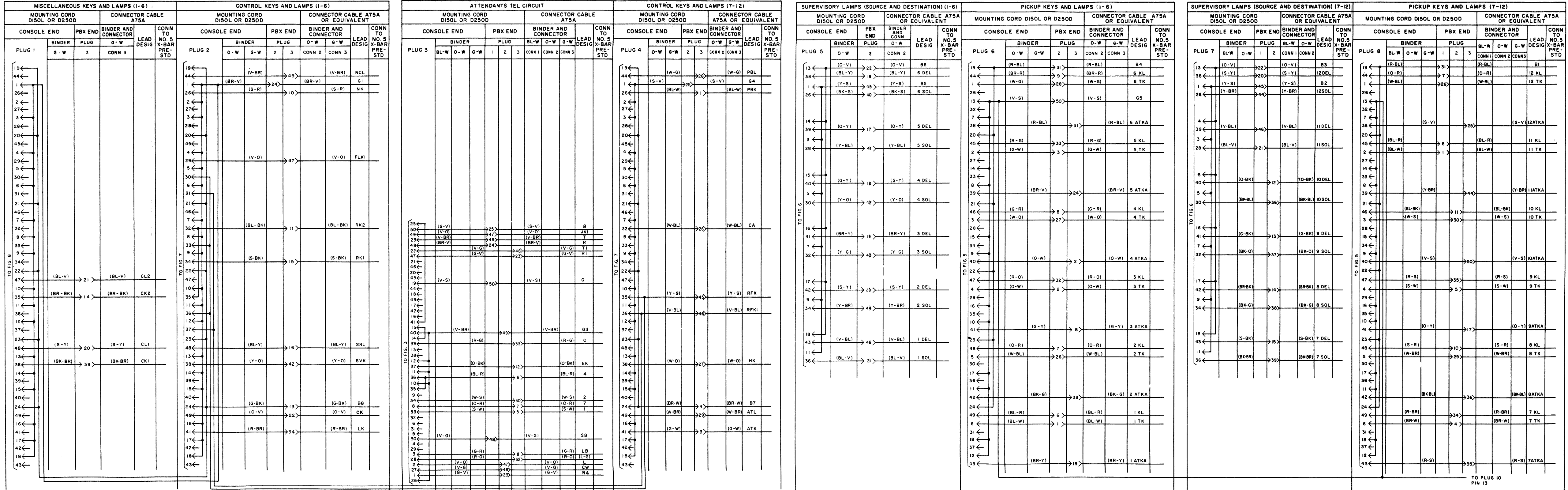


Fig. 9A - Connections for Mounting Cord and Connector Cable for 1-Type Telephone Console and Plugs 1 through 8 of 2-Type Telephone Console

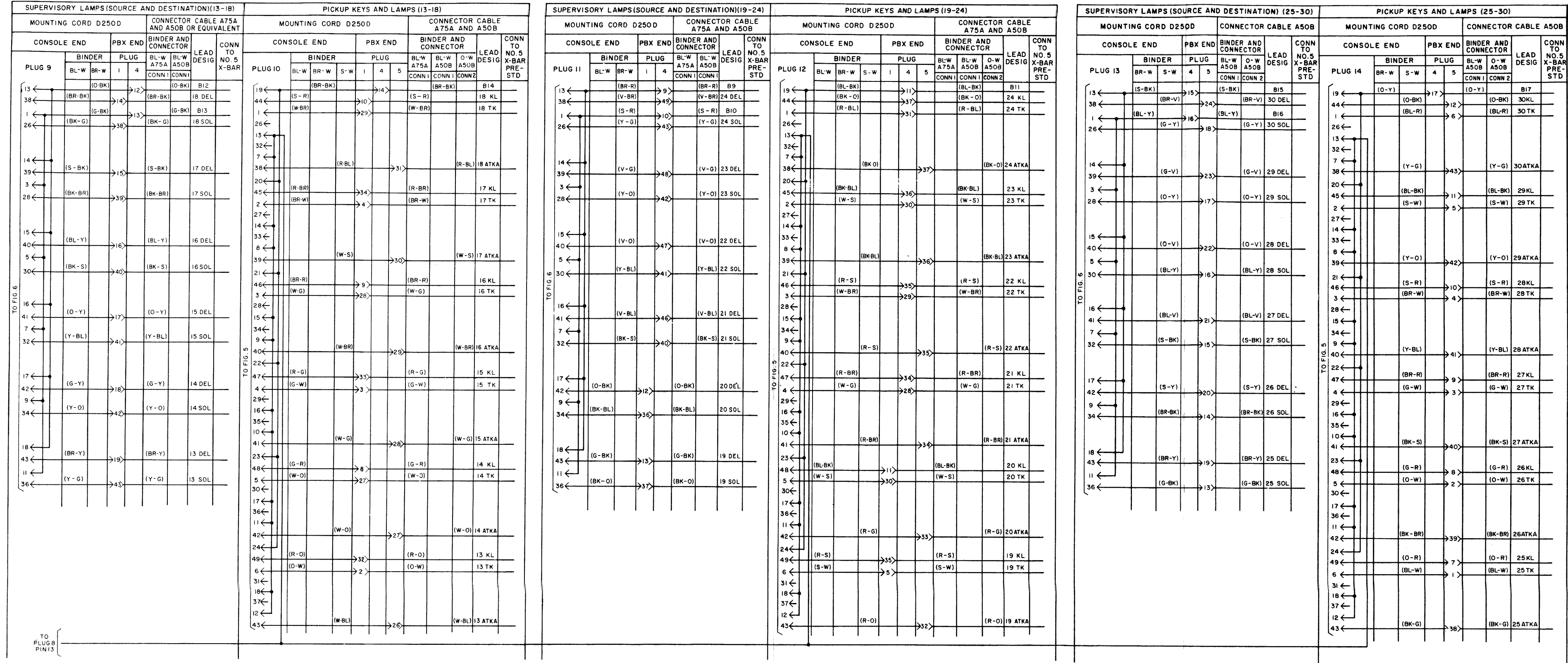


Fig. 9B - Connections for Mounting Cord and Connector Cable for 2-Type Telephone Console, Plugs 9 through 14

REPLACING PAGE ADDENDUM

Filing Instructions:

1. REMOVE FROM THE SECTION THE PAGES NUMBERED THE SAME AS THOSE ATTACHED TO THIS PINK SHEET.
2. INSERT THE ATTACHED PAGES INTO THE SECTION IN THEIR PLACE.
3. PLACE THIS PINK SHEET AHEAD OF PAGE 1 OF THE SECTION.

ADDENDUM 504-211-402
Issue 1, November, 1965
AT&TCo Standard

TELEPHONE CONSOLES — 1 AND 2 TYPES
CONNECTIONS FOR NO. 5 CROSSBAR (PRESTANDARD)

1. GENERAL

1.001 This addendum supplements Section 504-211-402, Issue 2. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 This addendum is issued to show "Y" option at springs 6 and 7 of "A" Jack in Fig. 3A and 3B, and to show "X" wiring option at spring 7 of "B" Jack in Fig. 3A and 3B.

6. INDEX FOR CONNECTION FIGURES

The following changes apply to Part 6 of this section.

(a) Fig. 3A — revised

(b) Fig. 3B — revised

Attached:

Page 5 dated November 1965, revised

Page 6 dated November 1965, revised