

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

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

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

Fig. 2 - Lead Assignment Form

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.

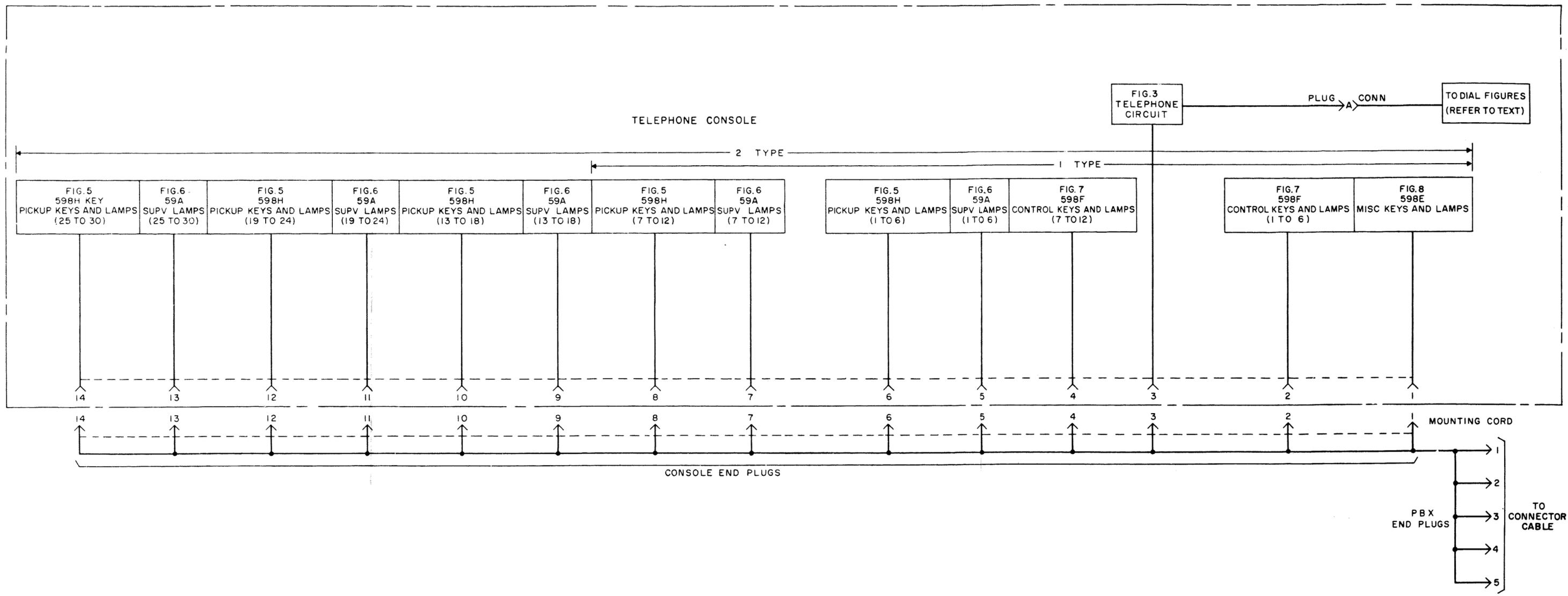


Fig. 1 - Mounting Cord and Equipment Layout for 1- and 2-Type Telephone Console

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		O-W		G-W		BL-W		O-W					
			CONN 1	EQUIP OR CABLE PAIR	CONN 2	EQUIP OR CABLE PAIR	CONN 3	EQUIP OR CABLE PAIR	CONN 1	EQUIP OR CABLE PAIR	CONN 2	EQUIP OR CABLE PAIR				
PIN NUMBERS		LEAD DESIG	CABLE PAIR	LEAD DESIG	CABLE PAIR	LEAD DESIG	CABLE PAIR	LEAD DESIG	CABLE PAIR	LEAD DESIG	CABLE PAIR					
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			CK 2			B14			26SOL	
	39	BK-BR	17SOL *			7SOL			CK 1			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			IATKA			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

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

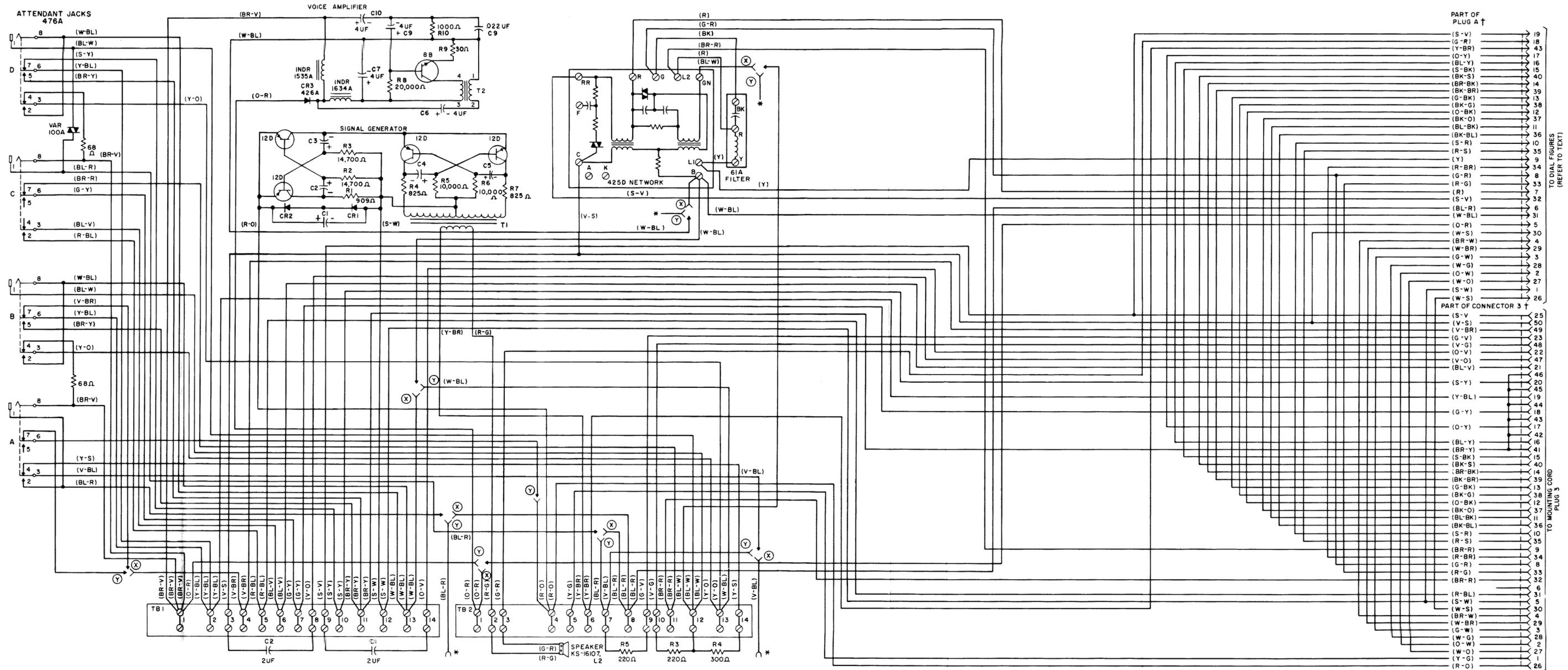


Fig. 3A — Attendant Telephone Circuit for 1B and 2B Telephone Consoles

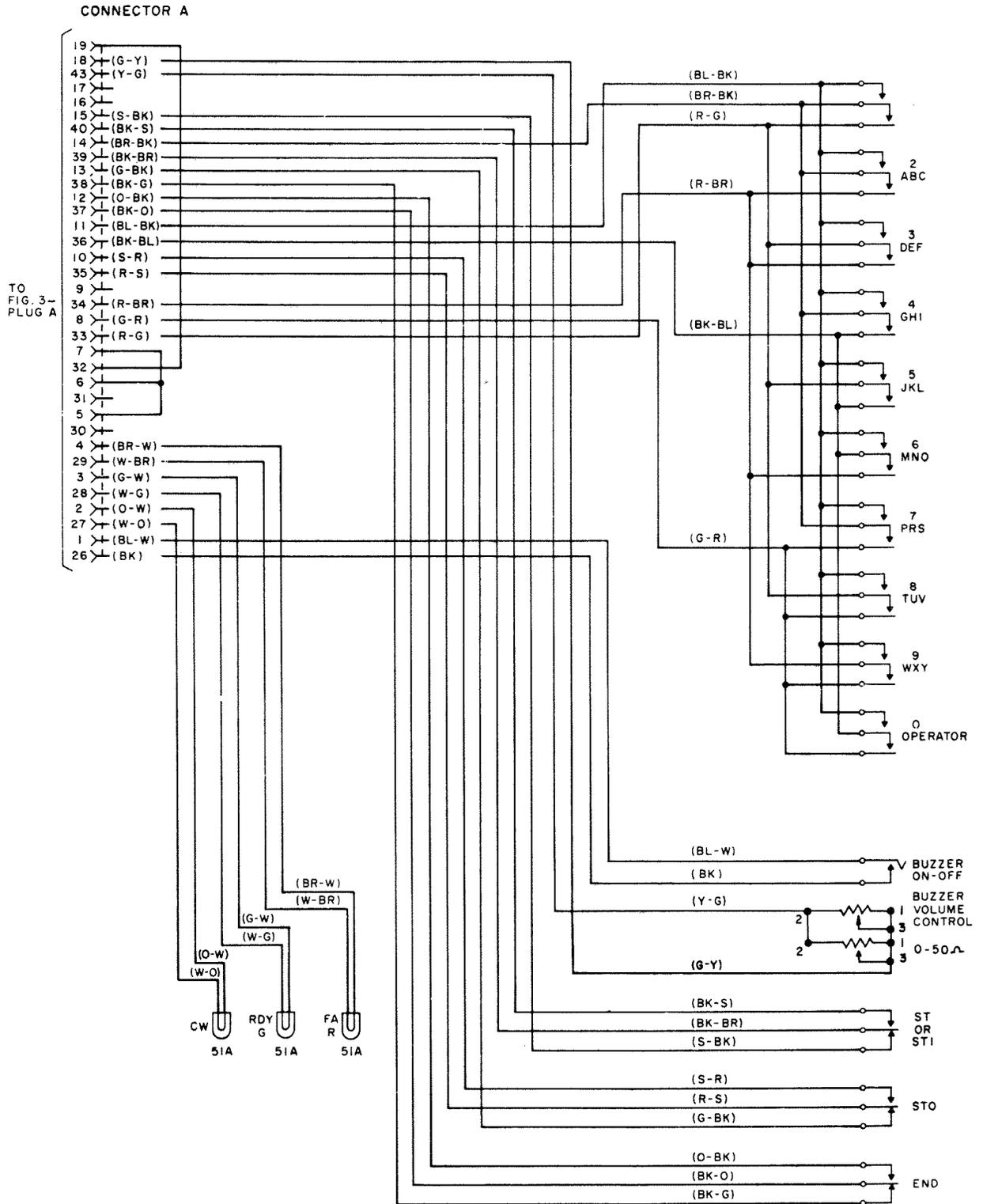


Fig. 4 - DC Pushbutton Dial 21D

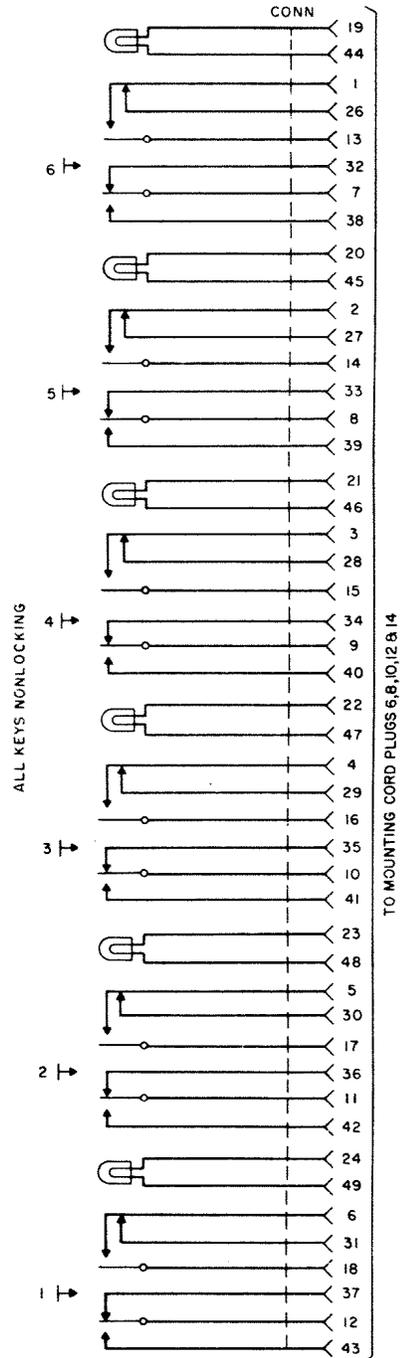


Fig. 5 - 598H Key, Pickup Keys and Lamps

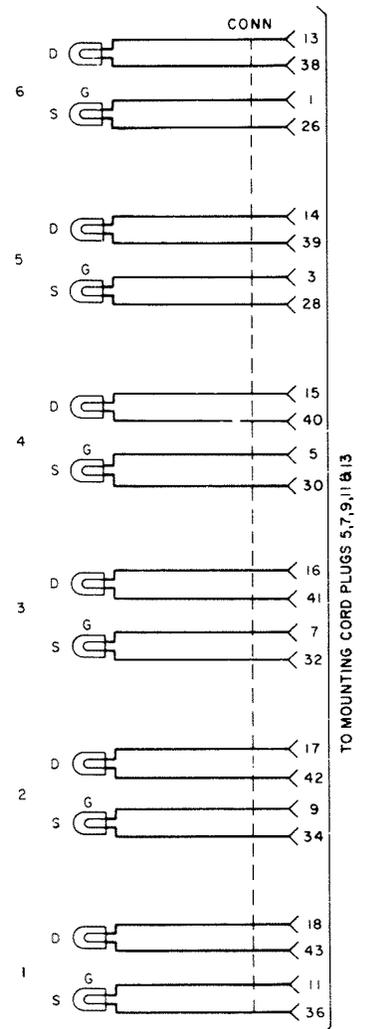


Fig. 6 - 59A Lamp Socket, Supervisory Lamps (Source and Destination)

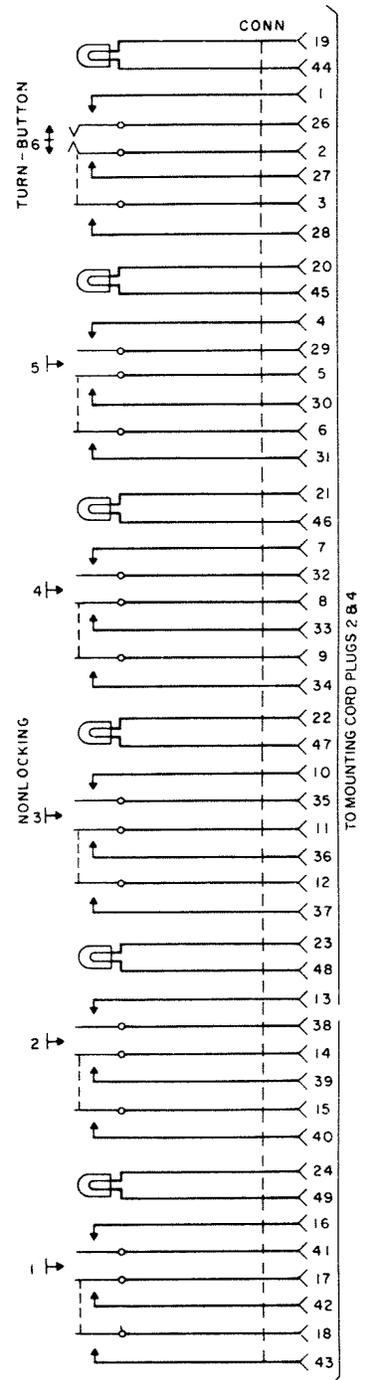


Fig. 7 - 598F Key, Control Keys and Lamps

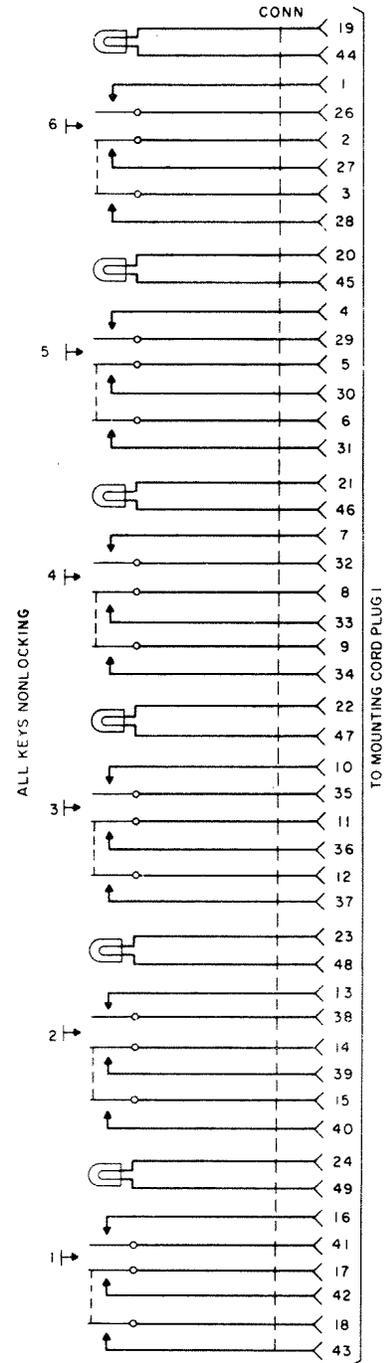


Fig. 8 - 598E Key, Miscellaneous Keys and Lamps

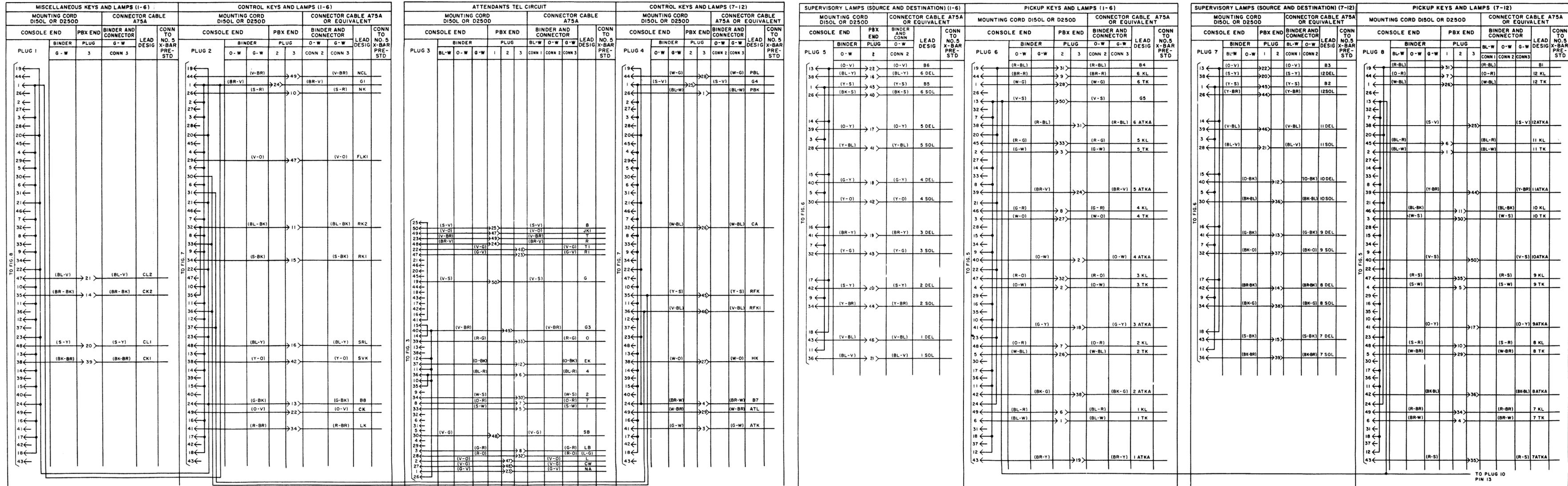


Fig. 9A - Connections for Mounting Cord and Connector Cable for 1-Type Telephone Console and Plugs 1 through 8 of 2-Type Telephone Console

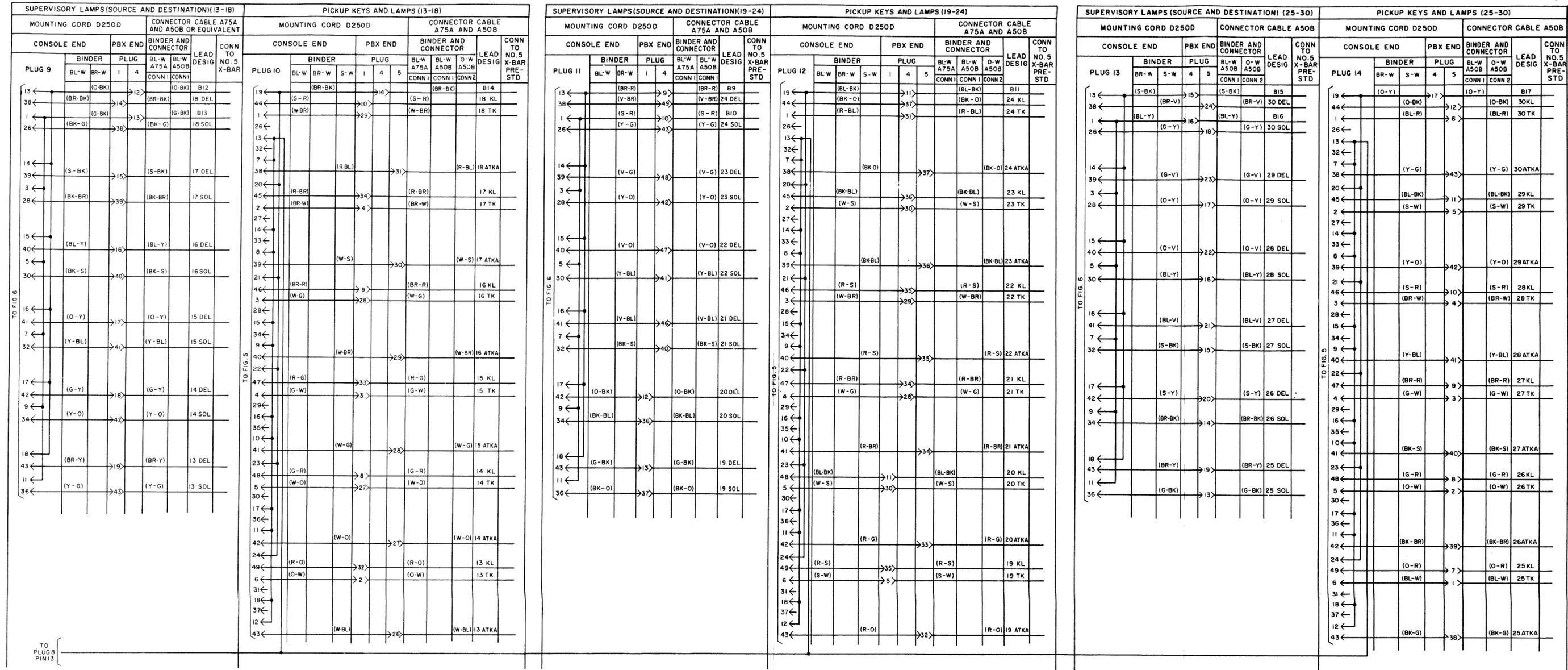


Fig. 9B - Connections for Mounting Cord and Connector Cable for 2-Type Telephone Console, Plugs 9 through 14