

TELEPHONE SETS  
610 TYPE  
CONNECTIONS

1.00 GENERAL

1.01 This section covers connections for 610A-type telephone set. This set is used in conjunction with equipment mounted in slide 5 of a 756A PBX to constitute a cordless position circuit for the PBX.

1.02 In general practice, a maximum of two cordless position circuits and one key telephone set are connected to one PBX.

1.03 TT and TL leads are chained through jacks A and B of the 610A telephone sets. When a headset or handset is plugged into jacks A and B of the first 610A telephone set, these leads are open to the succeeding cordless position circuit and to the key telephone set. However, SL and TL lamps will light at all locations.

1.04 The 610A telephone set comes equipped with a 598B key in right (originating) position and a 598A key in center position. The 610A1 set has a 105B apparatus blank in left position. The 610A2 set has a 598A key in left position; in this case Fig. 4 will apply.

2.00 INDEX FOR CONNECTION FIGURES

Fig. 1 - Attendant Telephone Circuit

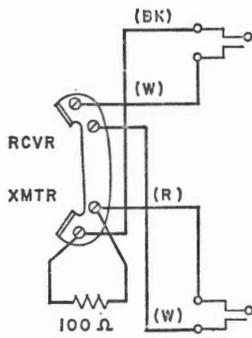
Fig. 2 - Right Key and Lamp Unit

Fig. 3 - Center Key and Lamp Unit

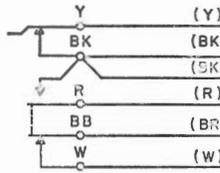
Fig. 4 - Left Key and Lamp Unit

Table A - Connections for 610A Telephone Set

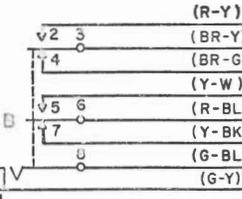
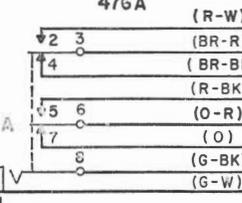
HAND SET  
G3CR



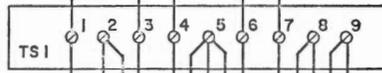
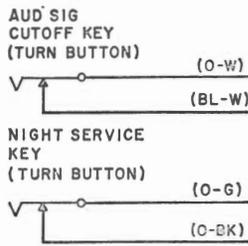
DIAL  
6N3



JACKS  
476A



SWITCH ASSEMBLY  
P-11E462



- (BK)
- (Y-W)
- (Y-BL)
- (Y-BK)
- (G-W)
- (O-W)
- (O)
- (O-BL)
- (S)
- (BL-W)
- (BK-W)



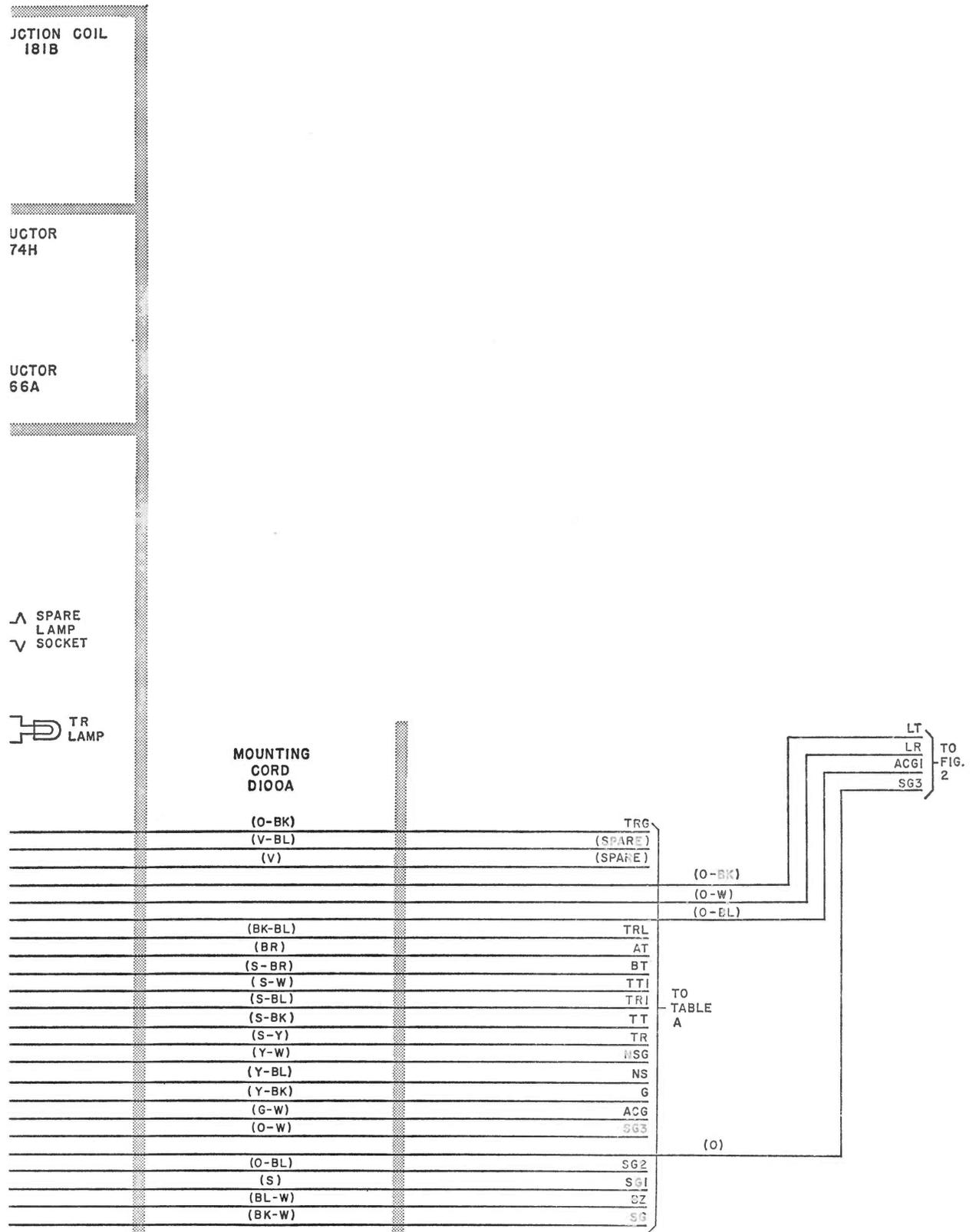


Fig. 1 - Attendant Telephone Circuit

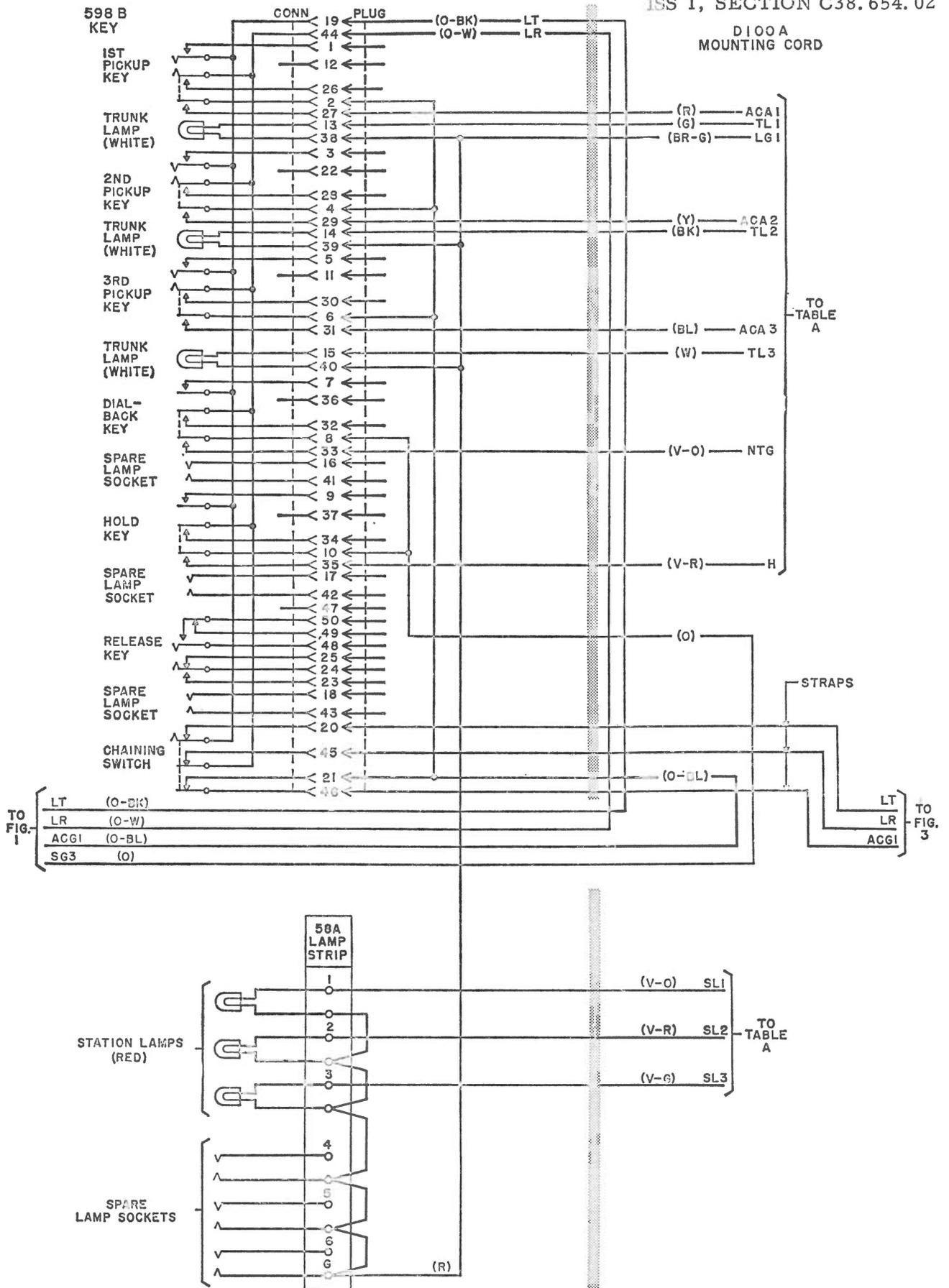


Fig. 2 - Right Key and Lamp Unit

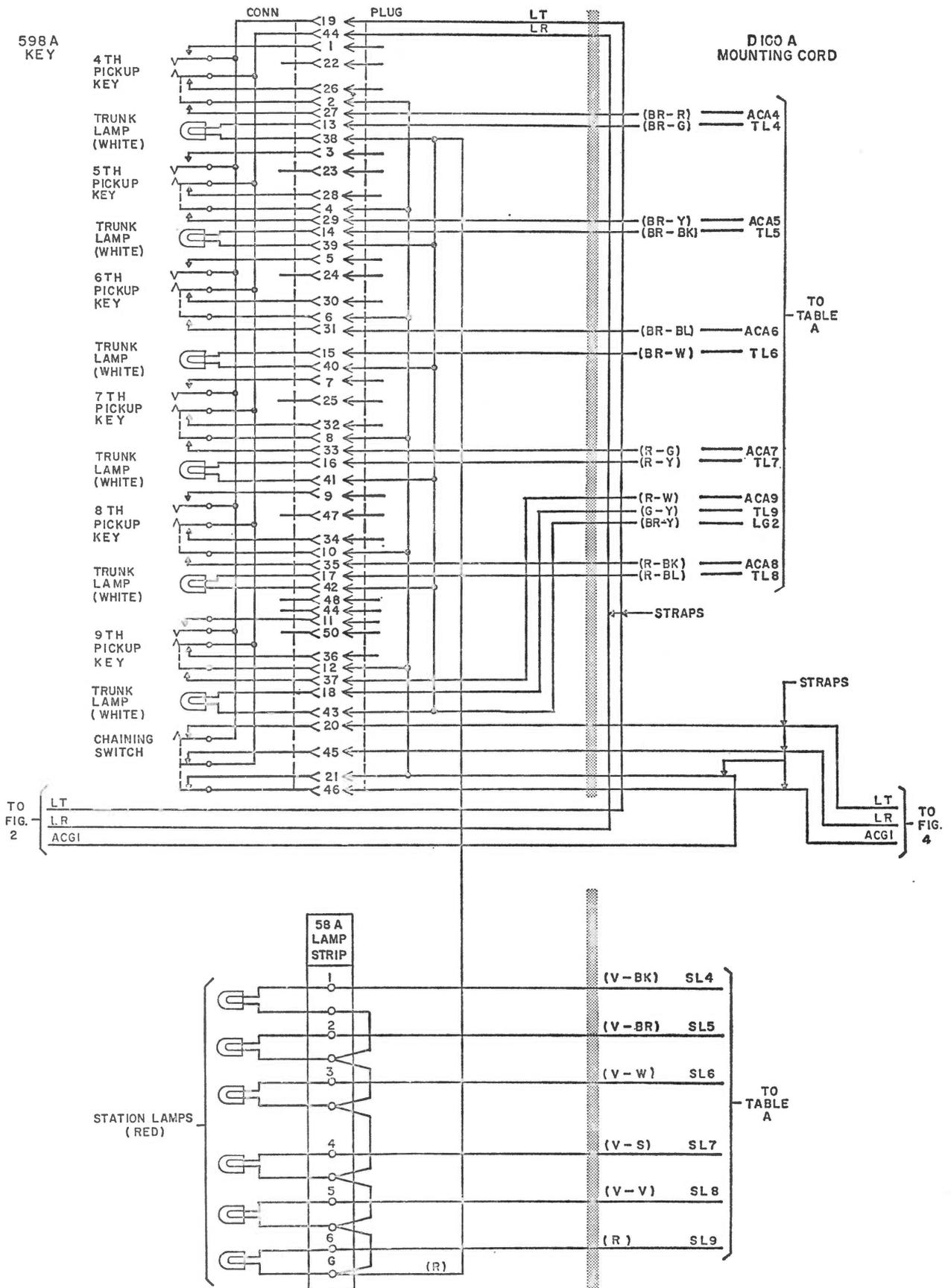


Fig. 3 - Center Key and Lamp Unit

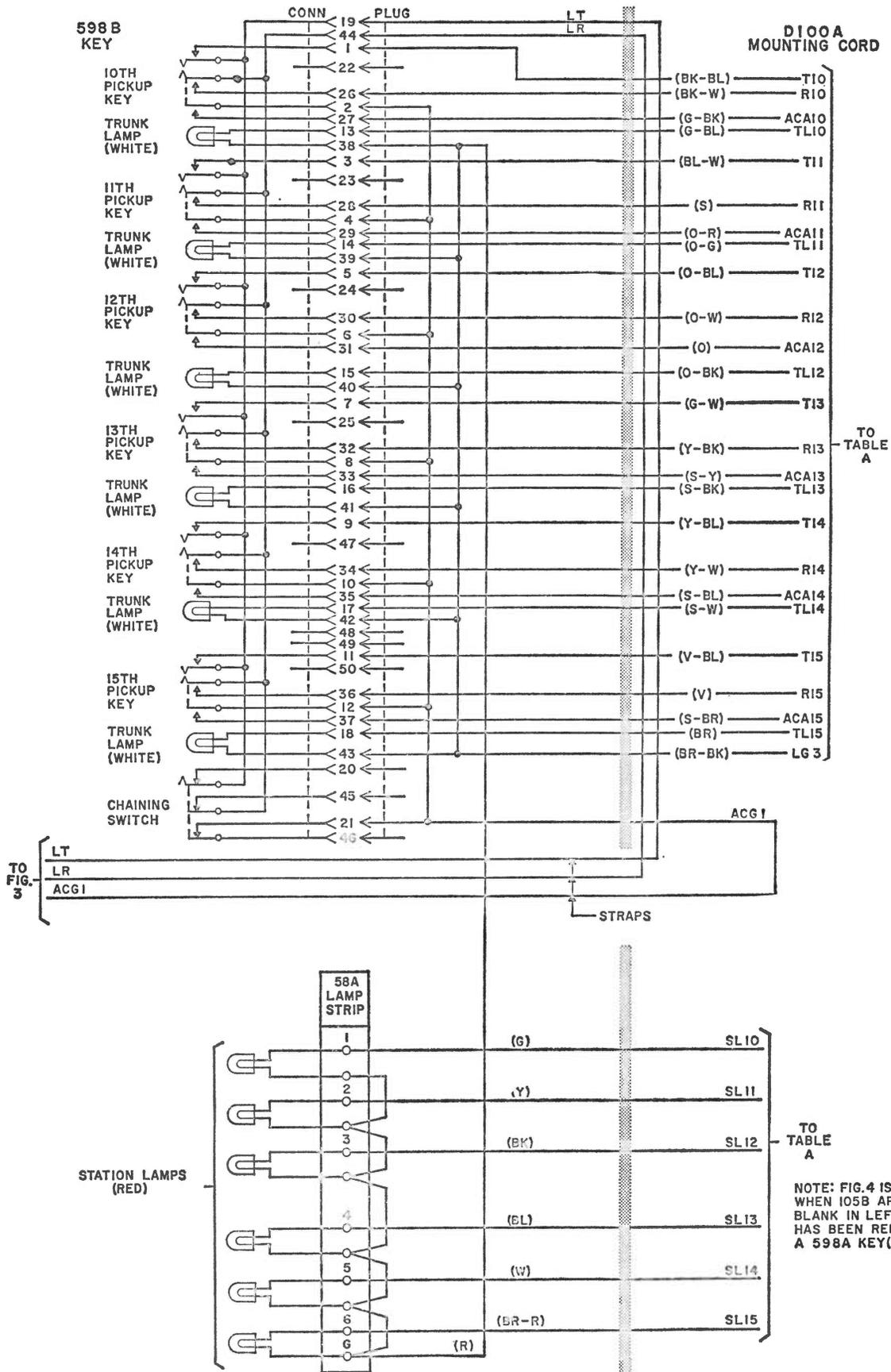


Fig. 4 - Left Key and Lamp Unit

FROM		D100A MOUNTING CORD				A50B CONNECTOR CABLE				FROM				
FIG. NO.	TERMINATION IN SET		LEAD DESIG	CORD CONDUCTOR COLOR	PIN NUMBER OF CORD CONNECTOR AND CABLE PLUG	CABLE CONDUCTOR COLOR	CABLE PAIR	CABLE BINDER COLOR	CONNECT TO	FIG. NO.				
	CONNECTION FOR	TERMINAL OR PIN NUMBER									FIG. NO.			
2	RIGHT KEY	27	ACA1	R	1	BL	1	BLUE	TRUNK CIRCUIT	3				
		13	TL1	G	26	W								
		29	ACA2	Y	2	O	2							
		14	TL2	BK	27	W								
		31	ACA3	BL	3	G	3							
15	TL3	W	28	W										
3	CENTER KEY	27	ACA4	BR-R	4	BR	4			BLUE	TRUNK CIRCUIT	2		
		13	TL4	BR-G	29	W								
		29	ACA5	BR-Y	5	S	5							
		14	TL5	BR-BK	30	W								
		31	ACA6	BR-BL	6	BL	6							
		15	TL6	BR-W	31	R								
		33	ACA7	R-G	7	O	7							
		16	TL7	R-Y	32	R								
		35	ACA8	R-BK	8	G	8							
		17	TL8	R-BL	33	R								
37	ACA9	R-W	9	BR	9									
18	TL9	G-Y	34	R										
4	LEFT KEY	27	ACA10	G-BK	10	S	10					BLUE	TRUNK CIRCUIT	1
		13	TL10	G-BL	35	R								
		29	ACA11	O-R	11	BL	11							
		14	TL11	O-G	36	BK								
		31	ACA12	O	12	O	12							
		15	TL12	O-BK	37	BK								
		33	ACA13	S-Y	13	G	13							
		16	TL13	S-BK	38	BK								
		35	ACA14	S-BL	14	BR	14							
		17	TL14	S-W	39	BK								
		37	ACA15	S-BR	15	S	15							
		18	TL15	BR	40	BK								
		1	T10	BK-BL	16	BL	16							
		26	R10	BK-W	41	Y								
		3	T11	BL-W	17	O	17							
		28	R11	S	42	Y								
		5	T12	O-BL	18	G	18							
		30	R12	O-W	43	Y								
7	T13	G-W	19	BR	19									
32	R13	Y-BK	44	Y										
9	T14	Y-BL	20	S	20									
34	R14	Y-W	45	Y										
11	T15	V-BL	21	BL	21									
36	R15	V	46	V										
2	58A LAMP STRIP	1	SL1	V-O	22	O	22	BLUE	LINE CIRCUIT	2				
		2	SL2	V-R	47	V								
		3	SL3	V-G	23	G								
3	58A LAMP STRIP	1	SL4	V-BK	48	V	23			BLUE	TRUNK CIRCUIT	2		
		2	SL5	V-BR	24	BR								
		3	SL6	V-W	49	V	24							
		4	SL7	V-S	25	S								
		5	SL8	V-Y	50	V								

NOTE:

TABLE A  
CONNECTIONS FOR 610A TELEPHONE SET

D100A MOUNTING CORD								
TERMINATION IN SET		LEAD DESIG	CORD CONDUCTOR COLOR	PIN NUMBER OF CORD CONNECTOR AND CABLE PLUG	CABLE CONDUCTOR COLOR	CABLE PAIR	CABLE BINDER COLOR	
CONNECTION FOR	TERMINAL OR PIN NUMBER							
58A LAMP STRIP	6	SL9	R	1	BL	26	ORANGE	
	1	SL10	G	26	W			
	2	SL11	Y	2	O	27		
58A LAMP STRIP	3	SL12	BK	27	W			
	4	SL13	BL	5	G	28		
	5	SL14	W	28	W			
	6	SL15	BR-R	4	BR	29		
RIGHT KEY	40	LG1	BR-G	29	W			
CENTER KEY	43	LG2	BR-Y	5	S	30		
LEFT KEY	43	LG3	BR-BK	30	W			
CONNECTOR AND CORD CONDUCTORS ARE SPARE			BR-BL	6	BL	31		
			BR-W	31	R			
			R-G	7	O	32		
			R-Y	32	R			
			R-BK	8	G	33		
			R-BL	33	R			
			R-W	9	BR	34		
			G-Y	34	R			
			G-BK	10	S	35		
			G-BL	35	R			
			O-R	11	BL	36		
			O-G	36	BK			
		O	12	O	37			
TS 2	19	TRG	O-BK	37	BK	38		
	7	TR	S-Y	13	G			
	8	TT	S-BK	38	BK			
	9	TR1	S-BL	14	BR			39
	10	TT1	S-W	39	BK			
	11	BT	S-BR	15	S			40
	12	AT	BR	40	BK			
	13	TRL	BK-BL	16	BL	41		
	1	SG	BK-W	41	Y			
TS 1	2	BZ	BL-W	17	O	42		
	3	SG1	S	42	Y			
	4	SG2	O-BL	18	G	43		
	5	SG3	O-W	43	Y			
	6	ACG	G-W	19	BR	44		
	7	G	Y-BK	44	Y			
	8	NS	Y-BL	20	S	45		
	9	NSG	Y-W	45	Y			
	TS 2	18	SPARE LAMP STRIP	V-BL	21	BL		46
17			V	46	V			
RIGHT KEY	33	NTG	V-O	22	O	47		
	35	H	V-R	47	V			
(SEE NOTE)	SPARE		V-G	23	G	48		
			V-BK	48	V			
			V-BR	24	BR	49		
			V-W	49	V			
			V-S	25	S	50		
			V-Y	50	V			

SPARE CONDUCTORS SHALL BE CUT DEAD AND OF SUFFICIENT LENGTH TO REACH FARTHEST TERMINAL IN SET.

A50B CONNECTOR CABLE
CONNECT TO
TRUNK CIRCUIT
AP GROUND
AP GROUND
CORDLESS POSITION CIRCUIT EQUIPMENT MOUNTED IN SLIDE 5 OR TO 1ST CORDLESS POSITION CIRCUIT
2ND CORDLESS POSITION CIRCUIT OR 6-BUTTON KEY TELEPHONE SET
CORDLESS POSITION CIRCUIT (BT INDUCTOR)
ALARM, TEST, AND TRANSFER CIRCUIT
AP GROUND, SG1 LEAD AT CORD SWITCHBOARD, OR 1ST CORDLESS POSITION CIRCUIT
POSITION CIRCUIT
SG LEAD OF 2ND CORDLESS POSITION CIRCUIT OR 6-BUTTON KEY TELEPHONE SET
DIAL PULSE REGISTER CIRCUIT (RELAYS POSITION 1 OR 2)
POSITION CIRCUIT RELAYS, CORD SWITCHBOARD, OR 1ST CORDLESS POSITION CIRCUIT
2ND CORDLESS POSITION CIRCUIT OR 6-BUTTON KEY TELEPHONE SET
ALARM, TEST, AND TRANSFER CIRCUIT
AP GROUND
CORDLESS POSITION CIRCUIT

Table A - Connections for 610A Telephone Set