SPEAKERPHONE SYSTEM—3-TYPE 851- AND 2851-TYPE TELEPHONE SETS CONNECTION AND MAINTENANCE

1. GENERAL

1.01 These sets are supplied factory-wired for use with 3-type speakerphone except that any 851-type telephone set that is equipped with an 8R dial, the dial must be replaced with an 8C dial to provide a second set of off-normal contacts (P3 and P4 leads). Refer to Section 503-601-101 for set wiring and ringer connections.

1.02 This section is reissued to include connection information for the 2851-type telephone sets formerly found in Section 512-622-495, which is hereby canceled.

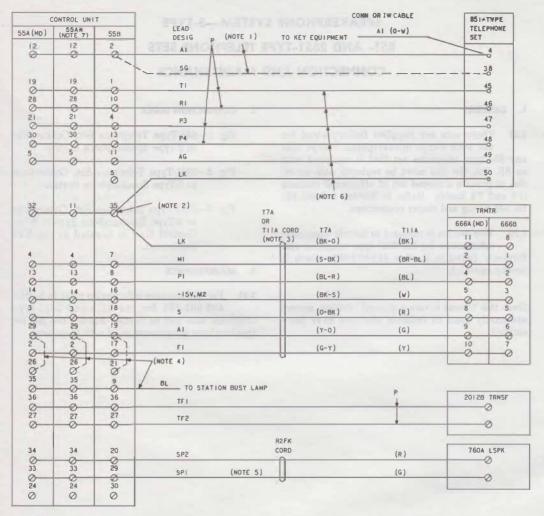
Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

2. CONNECTION INDEX

- Fig. 1—851-Type Telephone Set, Connections to 3-Type Speakerphone System
- Fig. 2—2851-Type Telephone Set, Connections to 3-Type Speakerphone System
- Fig. 3—2851-Type Telephone Set, Connections to 3-Type Speakerphone System When Control Unit is Located at the KTS Equipment.

3. MAINTENANCE

3.01 For maintenance information refer to Section 503-601-101 for the 851- and 2851-type telephone sets and to Section 512-620-100 for the speakerphone components used with these sets.



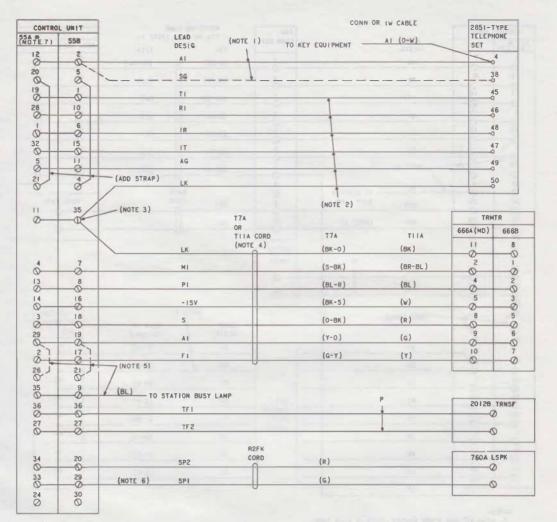
NOTES:

- FOR IAI, IA2 AND 6A KEY TELEPHONE SYSTEMS, CONNECT AI LEAD TO TERMINAL 4 ON CLIP-TYPE CONNECTING BLOCK. FOR IA KEY TELEPHONE SYSTEM CONNECT SG LEAD TO TERMINAL 38 ON CLIP-TYPE CONNECTING BLOCK AND MOVE (Y) LINE SWITCH LEAD FROM 4 TO II OF SCREW-TERMINAL FIELD.
- 2. TIE POINT FOR LK LEADS BETWEEN TELEPHONE SET AND TRANSMITTER WHEN CONTROL UNIT IS LOCATED NEAR TELEPHONE SET.

3. INSULATE AND STORE UNUSED LEADS OF TITA CORD.

- 4. STRAP AS INDICATED AND CONNECT BL LEAD WHEN STATION BUSY LAMP IS CONTROLLED BY SPEAKERPHONE.
- 5. TO REDUCE LOUDSPEAKER VOLUME, CONNECT SPI LEAD TO TERMINAL 24 (55A) OR 30 (55B).
- 6. DO NOT CONNECT TI, RI, P3, P4, AG AND LK LEADS IN CABLE TO KEY EQUIPMENT.
- 7. 55A% CONTROL UNIT MODIFIED BY WESTERN ELECTRIC CO. FOR USE WITH "TOUCH-TONE" (R) TELEPHONE SETS.

Fig. 1—851-Type Telephone Set, Connections to 3-Type Speakerphone System



NOTES:

- FOR IAI, IAZ AND 6A KEY TELEPHONE SYSTEMS, CONNECT AS LEAD TO TERMINAL 4 ON CLIP-TYPE CONNECTING BLOCK, FOR IA KEY TELEPHONE SYSTEM CONNECT SG LEAD TO TERMINAL 38 ON CLIP-TYPE CONNECTING BLOCK AND MOVE (Y) LINE SWITCH LEAD FROM 4 TO II OF SCREW TERMINAL FIELD.
- 2. DO NOT CONNECT TI, RI, IR, IT, AG AND LK LEADS IN CABLE TO KEY EQUIPMENT.
- 3. TIE POINT FOR LK LEADS BETWEEN TELEPHONE SET AND TRANSMITTER WHEN CONTROL UNIT IS LOCATED NEAR TELEPHONE SET.
- 4. INSULATE AND STORE UNUSED LEADS OF THE CORD.
- 5. STRAP AS INDICATED AND CONNECT (BL) LEAD WHEN STATION BUSY LAMP IS CONTROLLED BY SPEAKERPHONE.
- 6. TO REDUCE LOUDSPEAKER VOLUME, CONNECT SPI LEAD TO TERMINAL 24 (55A) OR 30 (55B).
- 7. 55A* CONTROL UNIT MODIFIED BY WESTERN ELECTRIC CO. FOR USE WITH "TOUCH-TONE" (R) TELEPHONE SETS.

Fig. 2—2851-Type Telephone Set, Connections to 3-Type Speakerphone System

CONTROL UNIT				44A	NOUNTING CORD T7A OR TIIA (NOTE I)		TRMTR		
SA * NOTE 5)	558	LEAD DESIG.		CONN BLK	T7A	TIIA	666A (MD)	6668	
4	7	MI		1	(S-BK)	(BR-8L)	2	-	
13	8			0			0	-0	
0	0	PI		4	(BL-R)	(8L)	4	O	
14	16	-15V		2	(BK-S)	(w)	5	3	
3	18	5		6	(0-BK)	(-)	8	5	
29	19	3		0	(0-BK)	(R)	0	-0	
		Al		7	(Y-O)	(G)	9	6	
27	177	FI		5	(G-Y)	(Y)	10	7	
26	21 1	(NOTE 2)		3	4		0	8	
0	0	7 (NOTE 2)	-	- o	(BK-0)	(BK)	0	-0	
35	9	₽ BL	- TO STATION	8	R2FK				
34	20	602	SP2 BUSY LAMP			(P) CORD		760A LSPK	
0	0	372		0	(K)	n	0		
33	29	SPI	(NOTE 3)	10	(G)		0		
24	30		100			0			
0	0			20128					
36	36		Р	TRNSF					
0	0	TFI	+	0					
27	27	TF2							
20	5		4174-0	0					
a	a	(ADD STRAP)			TON)	(NOTE 4)		2851-TYPE TELEPHONE	
0	0	(ADD STRAI			LEAD DESIG	CONN OR	SET	HONE	
21	4					IW CABLE	4	-	
		AI		—) [·	A1	(0-M)			
0	2/	SG			SG	(BR-Y)	38		
	1	7.1			TI	(v-c)	45		
19	-0	TI		_	TI	(V-G)			
19 Ø	10	T1		KEY	T1	(V-G)			
19 Ø 28 Ø 32	10			KEY SYSTEM DIST			46		
19 28 32 Ø	10 0 15	RI IT		SYSTEM	RI IT	(G-V) (V-BR)	46		
19 Ø 28 Ø 32 Ø	10 0 15 0 6	RI		SYSTEM	RI	(G-V)	46 47 47 48 48		
19 Ø 28 Ø 32 Ø 1	10 0 15 0 6	RI IT		SYSTEM	RI IT	(G-V) (V-BR)	46 47 47 48 48 49		
19 28 32 Ø	10 0 15 0 6	RI IT IR		SYSTEM	RI IT IR	(G-V) (V-BR) (BR-V)	46 47 47 48 48		

NOTES:

- 1. INSULATE AND STORE UNUSED LEADS OF TITA CORD.
- 2. STRAP AS INDICATED AND CONNECT (BL) LEAD WHEN STATION BUSY LAMP IS CONTROLLED BY SPEAKERPHONE.
- 3. TO REDUCE LOUDSPEAKER VOLUME, CONNECT SPI LEAD TO TERMINAL 24 (55A) OR 30 (55B).
- 4. FOR IAI, IA2, AND GA KEY TELEPHONE SYSTEMS CONNECT AT LEAD TO TERMINAL 4 OM CLIP-TYPE CONNECTING BLOCK, FOR IA KEY TELEPHONE SYSTEM CONNECT SG LEAD TO TERMINAL 38 ON CLIP-TYPE COMNECTING BLOCK AND MOVE (Y) LINE SWITCH LEAD FROM 4 TO 11 OF SCREW TERMINAL FIELD
- 5. 55A * CONTROL UNIT MODIFIED BY WESTERN ELECTRIC CO. FOR USE WITH "TOUCH-TONE" TELEPHONE SETS.

Fig. 3—2851-Type Telephone Set, Connections to 3-Type Speakerphone System When Control Unit is Located at KTS Equipment

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