SPEAKERPHONE SYSTEM — 3-TYPE

1634-TYPE TELEPHONE SETS

CONNECTIONS AND MAINTENANCE

1. GENERAL

1.01 This section contains information formerly found in Section 512-620-403.

1.02 Connections for the 1634-type telephone set are located in Section 502-634-401.

2. CONNECTION INDEX

Table A — Telephone Set Mounting Cord Conductor Colors

Table B — 667-Type Transmitter Leads

Fig. 1 — 1634D Telephone Set Connected to 3-Type Speakerphone System

For proper operation of the 3-type speakerphone system, ground must be present on the A1 lead. Connect ground to the appropriate punching on the telephone set or at 55-type control unit.

3. MAINTENANCE

3.01 The 1634D-11, -12, or -13 telephone set contains a 667-type transmitter in the third module position for use with 3-type speakerphone. A differently coded 1634D telephone set may be converted for use with speakerphone by installing a 667-type transmitter.

3.02 The 1634D-11, -12, or -13 telephone set or the 667-type transmitter may be modified with the D-180196 Kit of Parts to provide elimination of acoustical feedback.

3.03 To convert a 1634D telephone set, a 667-type transmitter must be installed in the right-hand (third) module position as follows:

(a) Remove telephone set faceplate and housing.

(b) Remove unit in right-hand module position and plug in 667-type transmitter. Connect spade-tipped leads as shown in Fig. 1 and Table B.

(c) Replace faceplate assembly with one designed for 667-type transmitter and other modular units in the set.

(d) Replace set housing and install new mat and faceplate.

(e) Make system connections as shown in Fig. 1.

3.04 To replace defective 667-type transmitter, follow procedures in 3.03 using same faceplate assembly. Maintenance of speakerphone components is located in Section 512-620-200. Telephone set maintenance is in Section 502-630-200.

TABLE A
TELEPHONE SET MOUNTING CORD
CONDUCTOR COLORS

LEAD DESIG.	LEAD COLOR	D50L MOUNTING CORD		
		PIN TERMINAL NUMBER		
		PLUG END	TB III	THIRD MODULE
R1	S-Y	20		13
T1	Y-S	45	1	38
IR	O-V	22		15
IT	V-O	47	3	40
AG	V-G	48	4	41
S	G-V	23		16
M2	V-BR	49	5	42
P1	BL-V	21		14
M1	BR-V	24		17
F1	S-V	25	6	18

TABLE B
667-TYPE TRANSMITTER LEADS

LEAD DESIG.	TRANSMITTER		CONNECT TO TEL SET TERM STRIP PUNCHING
	667A (MD)	667B	
R1	O-R	BL-Y	2
T1	O-G	Y-BL	10
IR	O-O	Y-G	11
IT	O-BL	G-Y	12
AG	O	O-Y	5
A1	Y	O-V	1
LK	O-BK	Y-O	9

CONTROL UNIT		I.W. OR CABLE	LEAD DESIG	44A CONN BLOCKS				148B ADAPTER		1634D TEL SET		TRMTR LEADS TABLE 8	

NOTES:
1. SAME GROUND AS KEY EQUIPMENT GROUND.
2. TO STATION BUSY LAMP CIRCUIT. WHEN STATION BUSY LAMP IS REQUIRED, CONNECT BL LEAD TO AG LEAD AT CONNECTING BLOCK.
3. TO BUSY LAMP CIRCUIT CONTROLLED BY SPEAKERPHONE ONLY.
4. DO NOT CONNECT CORRESPONDING LEADS AT EQUIPMENT.
5. REMOVE (R) LEAD FROM TERMINAL 6 OF TB III, INSULATE AND STORE.
6. CONNECT AS SHOWN OR DIRECT TO CONTROL UNIT USING IW AS REQUIRED.
7. DUE TO LOWER VOLTAGE RATING, 2012A TRANSFORMER SHOULD NOT BE USED AS A POWER SOURCE.
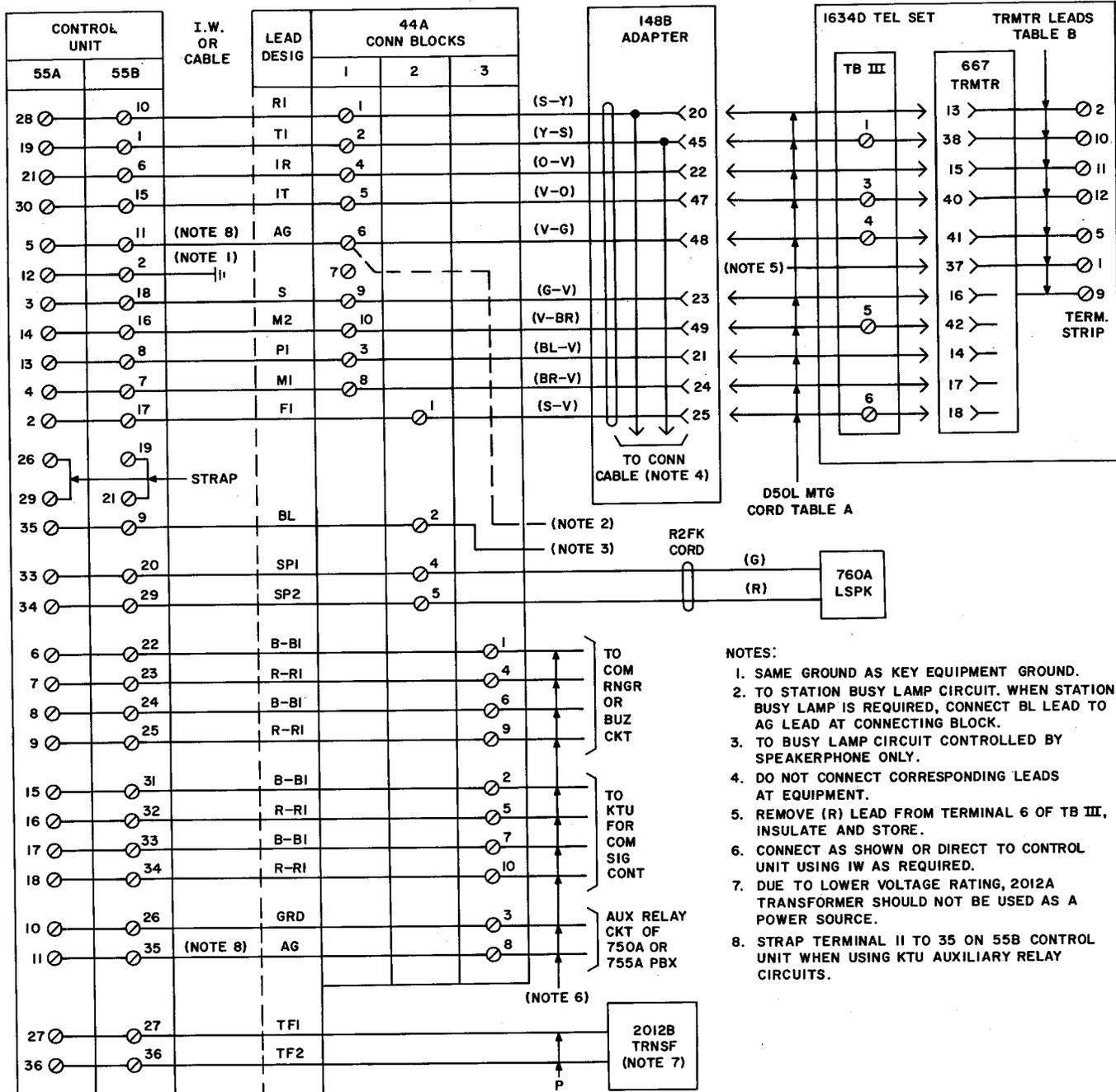8. STRAP TERMINAL 11 TO 35 ON 55B CONTROL UNIT WHEN USING KTU AUXILIARY RELAY CIRCUITS.

Fig. 1 — 1634D Telephone Set Connected to 3-Type Speakerphone System