SPEAKERPHONE SYSTEM — 3-TYPE

1632-TYPE TELEPHONE SETS

CONNECTIONS AND MAINTENANCE

1. GENERAL

1.01 This section covers modification and connection of the 1632-type telephone set when used with the 3-type speakerphone system. Maintenance, limited to components installed in the set as a result of the modifications, is also covered.

1.02 Information contained in this section was formerly found in Section 512-620-403.

2. MODIFICATION

2.01 The 1632-11, -12, or -13 telephone set contains a 667B transmitter in the third module position and is wired for use with 3-type speakerphone. Other codes of the 1632-type telephone set may be converted for use with speakerphone by installing a 667B transmitter in the third module position.

2.02 To convert a 1632-type set for speakerphone proceed as follows:

(a) Remove telephone set faceplate and housing (see Section 502-630-200 for procedures).

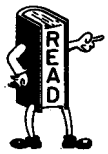
(b) Remove key unit or apparatus blank in right-hand module position (third module) and plug in a 667B transmitter (ordered separately).

(c) Connect spade-tipped leads of transmitter as shown in Fig. 1 and Table B.

(d) Install housing (see Section 502-630-200 for procedure).

(e) Install new faceplate and mat (ordered separately) in which cutouts for the transmitter are provided. See Section 502-630-111 for ordering information.

3. CONNECTION



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

3.01 Upon customer's request, services such as interrupted buzzer or ringer and station busy lamp control can be connected through relay contacts of the 55-type control unit. For connections of these and other services, see Section 512-620-200.

3.02 *Connection Index*

Table A — Speakerphone Conductor Location In Telephone Set Mounting Cord

Table B — Connection for 667B Transmitter Leads

Fig. 1 — 1632-Type Telephone Set, Connections For 3-Type Speakerphone

4. MAINTENANCE

4.01 Maintenance of the 1632-type telephone set is found in Section 502-630-200. Section 512-620-200 covers maintenance of speakerphone components.

4.02 The 667B transmitter is subject to pickup and amplification of mechanical spring vibrations when used in some CALL DIRECTOR® telephone sets. This complaint can be eliminated by the installation of a factory modified transmitter ordered as follows:

Transmitter, 667B, Modified per D-180196

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4.03 Packed with the modified 667B transmitter is a piece of split vinyl tubing to be assembled to the key pivot bar spring of the telephone set when installing the transmitter.

TABLE A

SPEAKERPHONE CONDUCTOR LOCATION IN TELEPHONE SET MOUNTING CORD

LEAD DESIG.	D94B MOUNTING CORD		
	COLOR (G-W BINDER)	PIN TERMINAL NUMBER	
		PLUG END	THIRD MODULE CONNECTOR*
R1	G-W	3	13
T1	W-G	28	38
IR	BR-R	9	15
IT	R-BR	34	40
AG	BK-O	37	41
S	O-BK	12	16
M1	S-BK	15	17
M2	BK-S	40	42
P1	BL-R	6	14
F1	G-Y	18	18
A1	Y-O	42	37

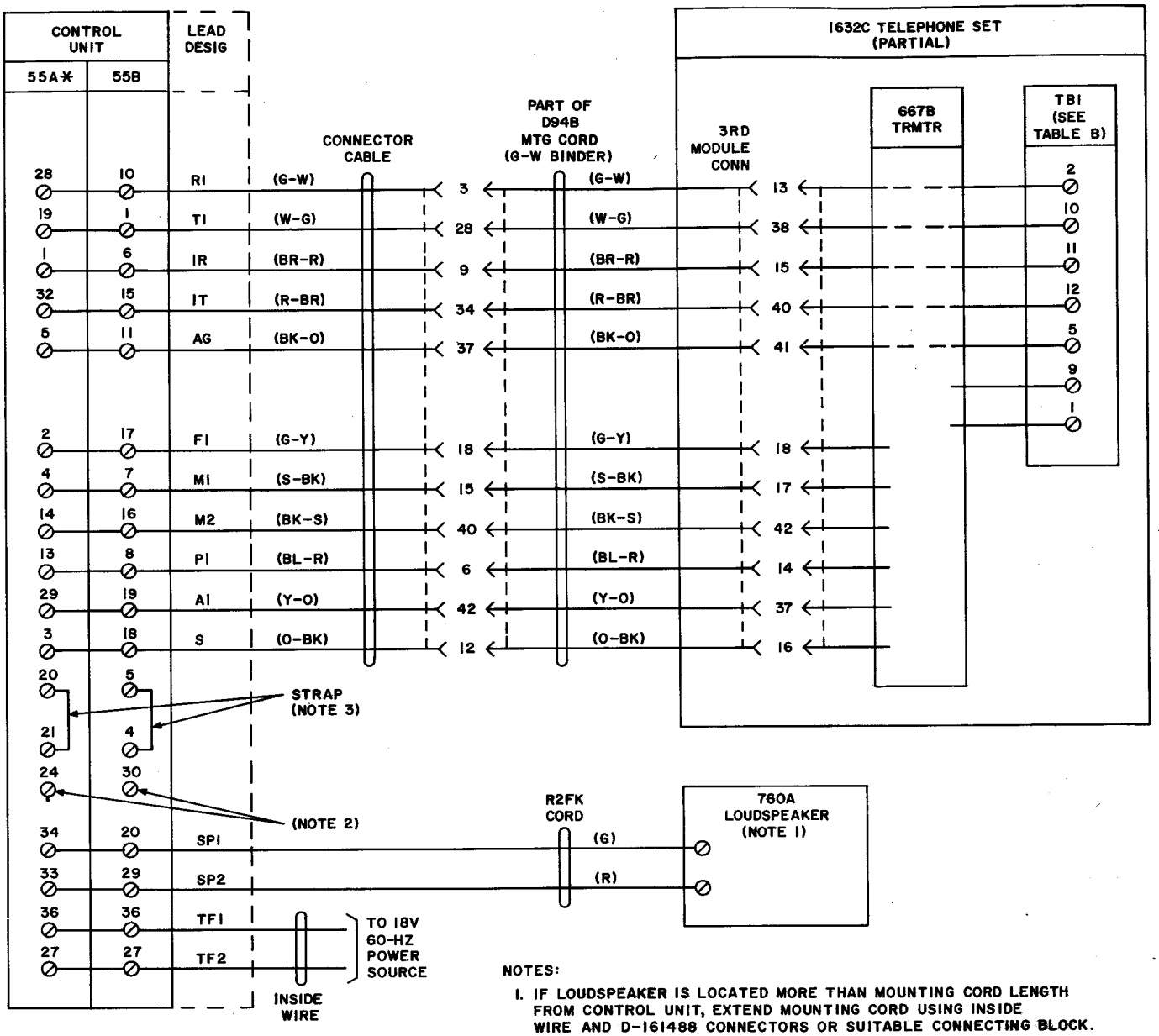
* Mates with 667B transmitter plug.

TABLE B

CONNECTIONS FOR 667B TRANSMITTER LEADS

LEAD DESIG.	COLOR	CONNECT TO*
R1	BL-Y	2
T1	Y-BL	10
A1	O-V	1
AG	O-Y	5
LK	Y-O	9
IR	Y-G	11
IT	G-Y	12

*Terminals on terminal block (TB1) in set.



NOTES:

1. IF LOUDSPEAKER IS LOCATED MORE THAN MOUNTING CORD LENGTH FROM CONTROL UNIT, EXTEND MOUNTING CORD USING INSIDE WIRE AND D-161488 CONNECTORS OR SUITABLE CONNECTING BLOCK.
2. IF REDUCED LOUDSPEAKER VOLUME IS DESIRED, CONNECT SP2 LEAD TO TERMINAL 24 (55A) OR 30 (55B).
3. CONNECT STRAP BETWEEN TERMINALS 20 AND 21 (55A) OR 4 AND 5 (55B).

* 55A CONTROL UNIT MODIFIED BY WESTERN ELECTRIC FOR USE WITH TOUCH-TONE DIAL EQUIPPED TELEPHONE SETS.

Fig. 3 — 1632-Type Telephone Set, Connections For 3-Type Speakerphone