

SPEAKERPHONE SYSTEM—3-TYPE

2630-TYPE TELEPHONE SET

CONNECTIONS AND MAINTENANCE

1. GENERAL

1.01 This section covers modification and connection of the 2630-type telephone set when used with the 3-type speakerphone system. Maintenance, limited to components installed as a result of the modifications, is also covered.

1.02 This section is reissued to:

- Add information on 2630DA telephone sets
- Remove Tables A and B. Information is included in Fig. 1.

2. MODIFICATION

2.01 Codes -11, -12, and -13 of the 2630-type telephone sets are factory-wired for speakerphone. Other codes can be modified by installing a transmitter in the third module and making the necessary wiring changes.

2630D Telephone Set

2.02 Modify as follows:

- (a) Remove telephone set faceplate and housing.
- (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.
- (d) Install housing.
- (e) Install new faceplate and mat (ordered separately) in which cutouts for the transmitter are provided. Refer to the Reference section on 2630- and 2631-type telephone sets for ordering information.

◆ *2630DA Telephone Set*

2.03 Convert as follows:

- (a) Remove faceplate and housing.
- (b) Disconnect all plugs from key unit or apparatus blank in third module and remove key.
- (c) Install 679A transmitter in third module and connect slate plug to receptacle on rear of transmitter. Insulate and store balance of plugs.
- (d) Modify set per Fig. 2 and Table A.
- (e) Replace housing and install proper faceplate and mat ordered from Reference section.

3. CONNECTIONS



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 ◆ A 55B control unit or a 55A modified for TOUCH-TONE[®] service must be used with these sets. Modified 55A units are indicated by an asterisk following the code stenciled on the unit.

3.02 Where required ringer or buzzer operation can be interrupted through break contacts of the control unit to prevent pickup while using speakerphone.

3.03 Connection is also shown for station busy lamp controlled by speakerphone. Where it is desired to have the busy lamp controlled by both speakerphone and line switch, refer to the Service section for the set involved. ◆

4. MAINTENANCE

4.01 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."

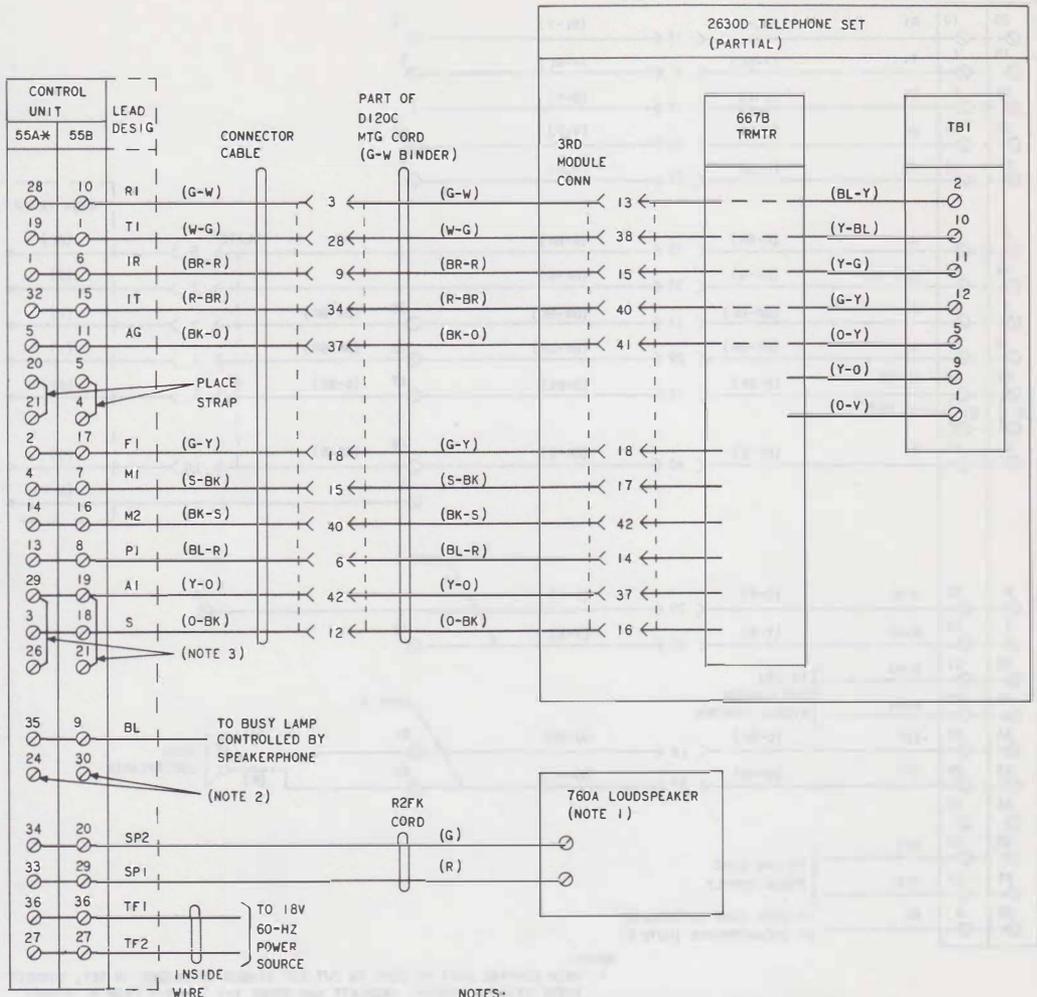
4.02 Packed with the modified 667B transmitter is a piece of split vinyl tubing which shall be assembled to the key pivot bar of the telephone set when installing the transmitter.

TABLE A
SPEAKERPHONE MODIFICATIONS
2630DA TELEPHONE SET

WIRE OR LEAD	COLOR	FROM	TO
Mounting Cord (Note)	Y-O	39	14
	BL-Y	44	13
	Y-BL	46	9
	Y-G	43	7
	BR-BK	*	38
Plug Strap	BR-BK	30	38
679A Trmtr	S-V		4

* Insulated and stored.

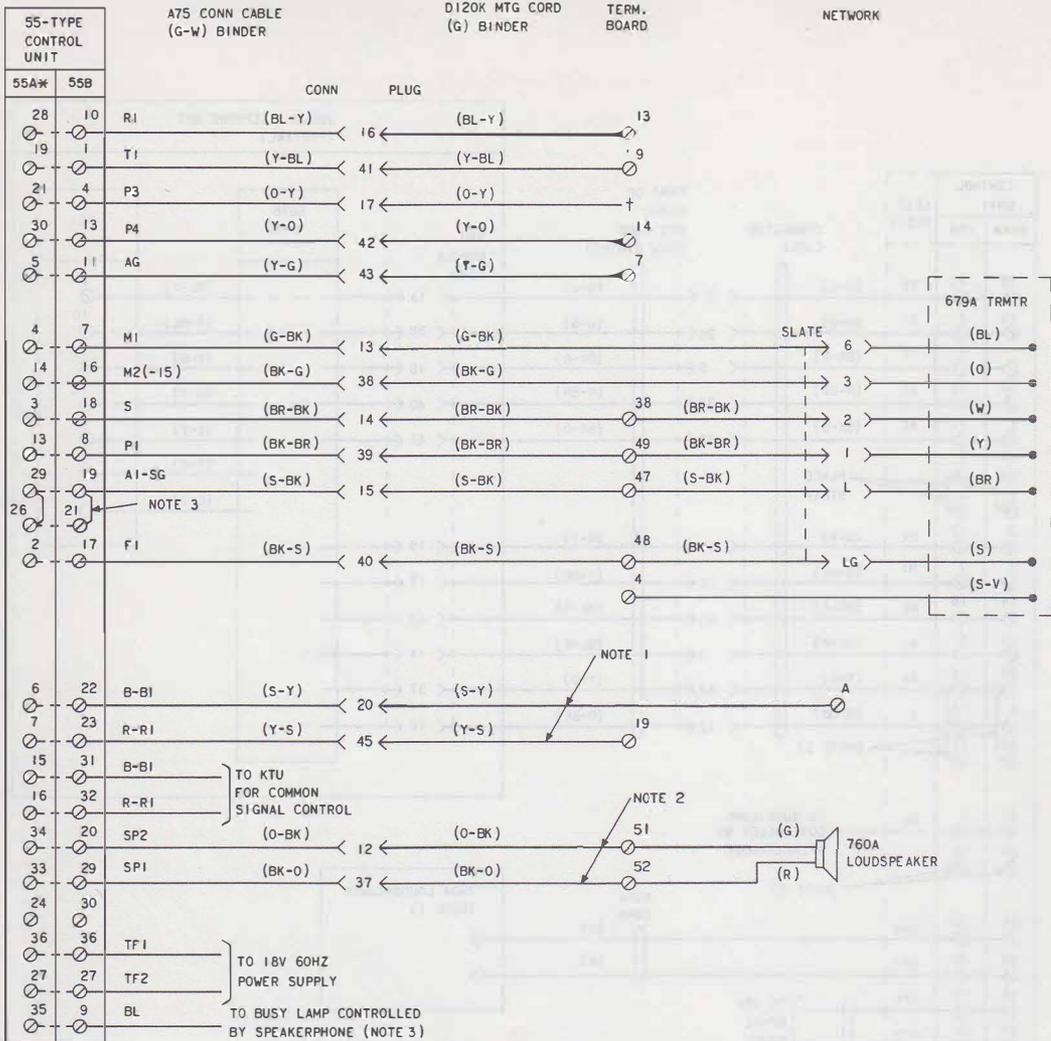
Note: Conductors in G-W binder.



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 SPI LEAD TO TERMINAL 24 (55A) OR 30 (55B).
 3. PLACE STRAP WHEN BUSY LAMP IS CONTROLLED BY SPEAKERPHONE USE DC LAMP OR BUSY LAMP CONTROL CIRCUIT PER SD-69403-01.
- * 55A CONTROL UNIT MODIFIED FOR TOUCH-TONE.

Fig. 1—2630D Telephone Set, Connections



NOTES:

1. WHEN CONTROL UNIT IS USED TO CUT OFF RINGER OR BUZZER IN SET, CONNECT THESE LEADS AS SHOWN. INSULATE AND STORE S-Y AND Y-S FROM BL BINDER.
2. INSULATE AND STORE O-BK AND BK-O TO BR PLUG.
3. STRAP 26 TO 29 (55A) OR 21 TO 19 (55B) WHEN BUSY LAMP IS CONTROLLED BY SPEAKERPHONE. USE DC LAMP OR BUSY LAMP CONTROL CIRCUIT PER SD-69403-01.
4. CONNECT SPI LEAD TO 24 (55A) OR 30 (55B) WHEN REDUCED LOUDSPEAKER VOLUME IS DESIRED.

* 55A CONTROL UNIT MODIFIED FOR TOUCH-TONE.
 † INSULATED AND STORED.

Fig. 2—2630DA Telephone Set, Connections