SPEAKERPHONE SYSTEMS — 3 TYPE

SPEAKERPHONE CONFERENCE SYSTEMS

I.   GENERAL

1.01 The speakerphone conference system (Fig. 1) provides normal speakerphone transmission when the system is used by a conference group.

1.02 Standard 3-type speakerphone system components are used with the following exceptions:

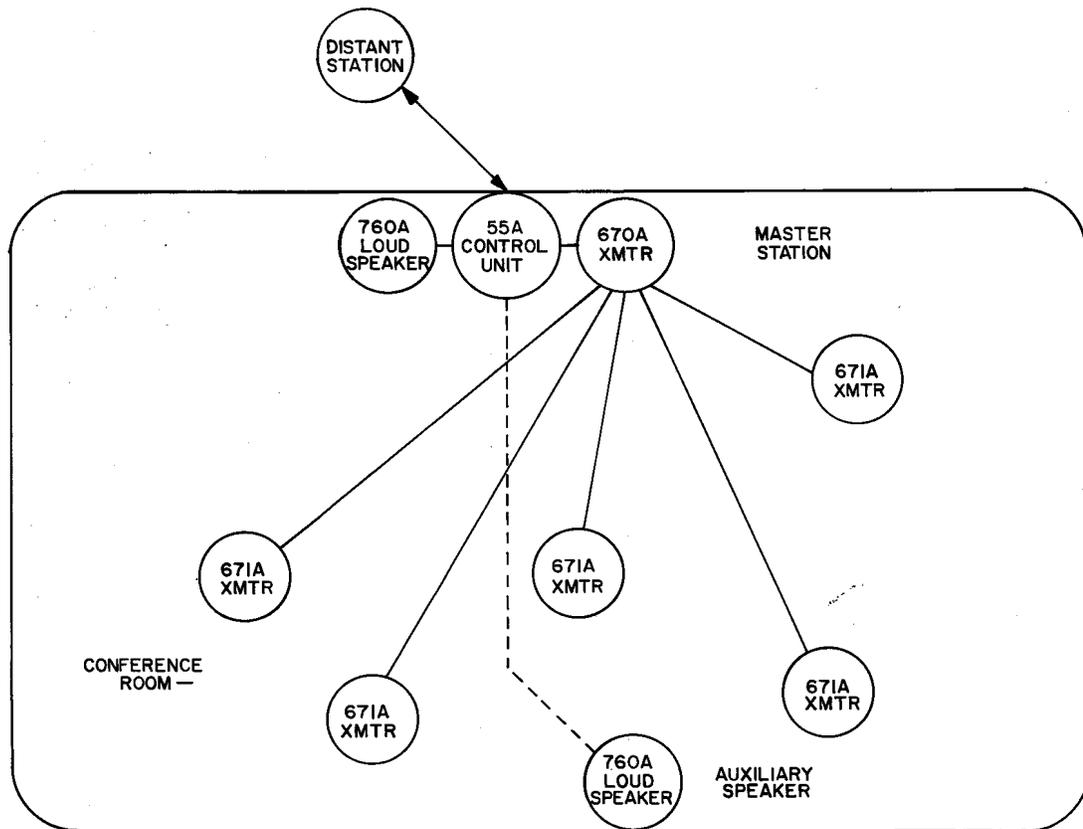● A 670A transmitter is substituted for the 666-type transmitter at the master station.

Fig. 1 - Speakerphone Conference System

● 671A transmitters are added as required, at locations to be conferenced.

● One additional 760A loudspeaker may be added to the system.
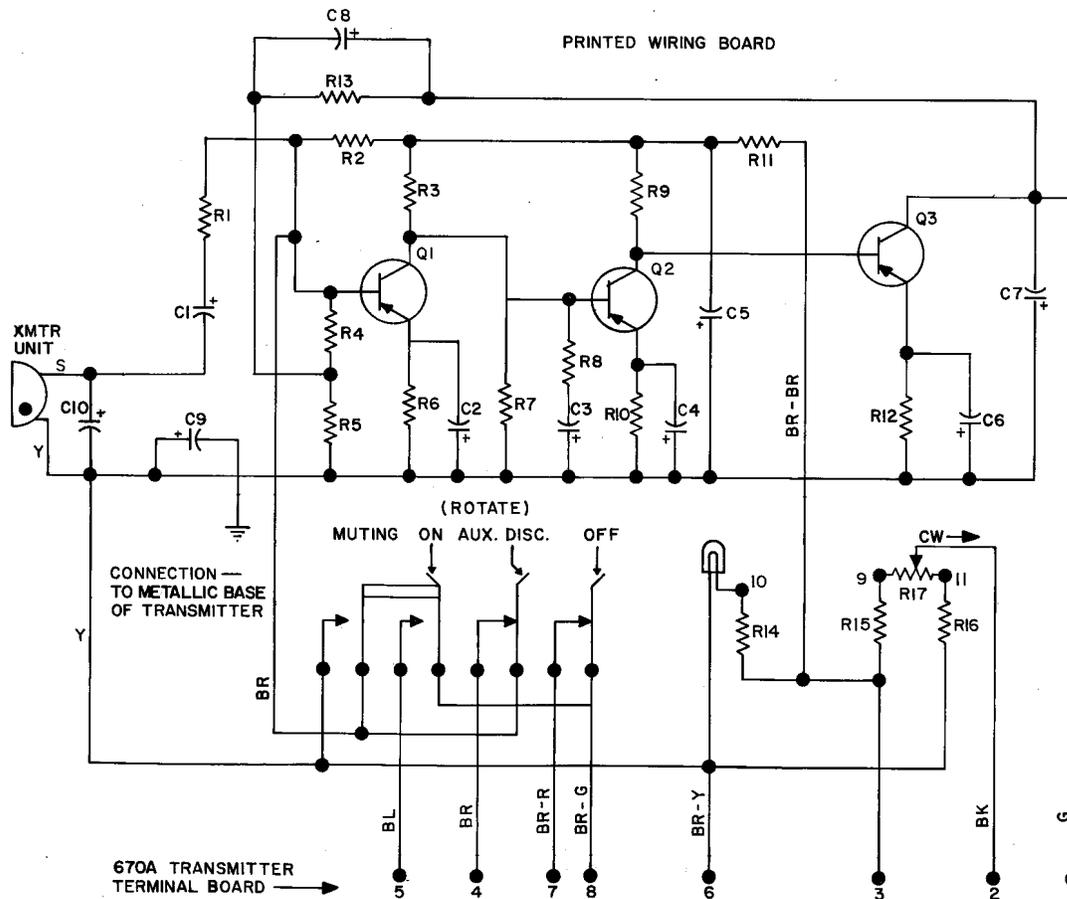
2. IDENTIFICATION

2.01 The 670A transmitter is electrically equivalent to the 666-type transmitters used in the standard speakerphone system. It differs functionally in that the turn function built into the ON key controls the auxiliary 671A transmitters. The mounting cord of the 670A transmitter contains a shielded conductor in addition to the standard conductors of the 666-type transmitter mounting cord.

2.02 In external appearance, the 670A transmitter varies from the 666-type transmitter only in the addition of the white position-indicating marker on top of the ON key.

2.03 The 671A transmitter is comprised of an AC transmitter unit, a corrective R-C network, and a terminal board. No mounting cord is provided. The 671 transmitter is similar in appearance to the 666-type transmitter except that it has no mounting cord, no ON-OFF keys, nor any volume control knob.

3. INSTALLATION

3.01 The conference room arrangement of the 3A speakerphone system differs from the standard system principally in that provision is made for adding up to five auxiliary transmitters and one additional loudspeaker. This change is made to improve overall transmission performance when used by a conference group.
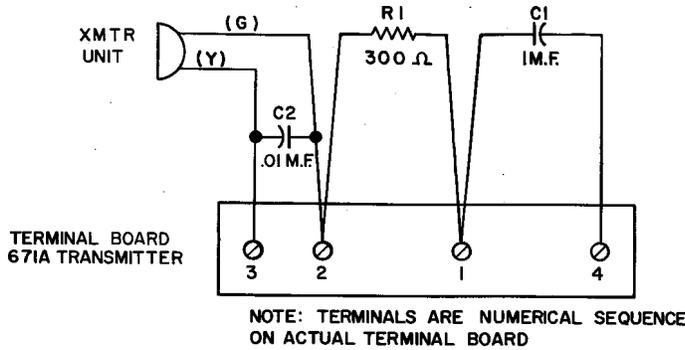

Fig. 2 - 670A Transmitter

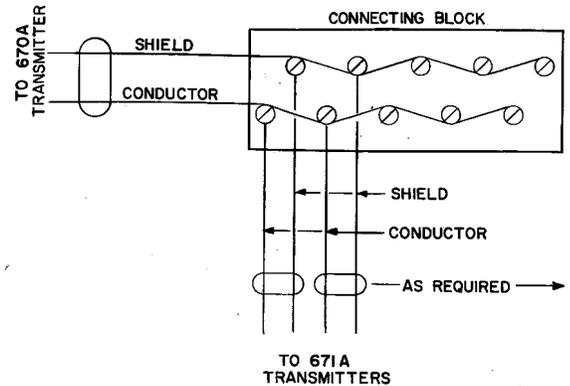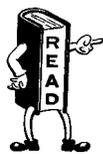NOTE: TERMINALS ARE NUMERICAL SEQUENCE ON ACTUAL TERMINAL BOARD

Fig. 3 - 671A Transmitter

3.02 The 670A transmitter at the master station replaces the 666-type transmitter of the standard system. In addition to providing a talking facility, this transmitter provides the "ON-OFF" function, volume control, and control of the auxiliary transmitters. Install in the standard manner.

3.03 The shield and shielded conductor in the mounting cord are strapped on the connecting block. It provides one pair of terminals for each auxiliary transmitter to be connected.

3.04 Arrange the 671A transmitters around the conference room in locations convenient to several small groups of three or four persons each. Since the 671A transmitter has no mounting cord, use shielded wire to establish the interconnection between each 671A transmitter and the amplifier of its associated 670A transmitter.

Take care to avoid cross-connection of the shielded and shield conductors of this wire when interconnecting these units.

3.05 One additional 760A loudspeaker may be added, in parallel with the standard speaker, to the system to improve overall transmission performance. Its location is subject to the needs of the conferees.

Fig. 4 - 671A Transmitter, Connecting Diagram

4. MAINTENANCE

4.01 For maintenance, see section on maintenance of the speakerphone system.

5. CONNECTIONS

5.01 For control unit and loudspeaker connections, see section on 3-type speakerphone connections.

5.02 See Fig. 2 for schematic diagram of the 670A transmitter. See Fig. 3 for schematic diagram of the 671A transmitter.

5.03 Table A shows the mounting cord connections for the 670A transmitter.

5.04 Bring out the shielded wire in the mounting cord of the 670A transmitter to the connecting block and strap to provide terminals for each auxiliary speaker required (Fig. 4).

5.05 To prevent inductive interference in the speakerphone conference system, use no more than 30 feet of shielded cable from the 670A master transmitter to the 671A auxiliary transmitter.

TABLE A

MOUNTING CORDS

Mounting Cord Conductors							
Color	S-BK	BL-R	BK-S	Neut	P-BK	Y-O + shield	G-Y	BK-O
Terminal	1	2	3	4	5	6	7	8