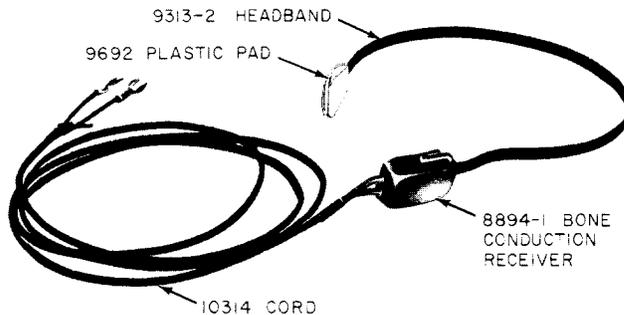


**KS-14720, LIST 2 HEADSET  
(BONE CONDUCTION RECEIVER)  
IDENTIFICATION, CONNECTIONS, AND MAINTENANCE**

**1. GENERAL**

1.01 This section contains information on the KS-14720, List 2 headset (Fig. 1).



**Fig. 1—KS-14720L2 Headset**

1.02 This section is reissued to:

- Add D4BT cord
- Add 2012D transformer
- Show 2012B transformer MD
- Show 107A loudspeaker set MD
- Show 3-type speakerphone MD
- Show 500C/D telephone set MD
- Revise Fig. 2, 3, 4, 5, and 6.

**2. IDENTIFICATION**

**A. Purpose**

2.01 To supplement amplified station apparatus with a bone conducting headset receiver for subscribers with extreme conductive hearing loss.

**B. Ordering Guide**

2.02 *Order headset as follows:*

- Set, Head, KS-14720L2.
- (a) *Replaceable Components:*
  - Receiver, 8894-1 (bone conduction)
  - Pad, 9692 (clear plastic)
  - Headband, 9313-2 (black)
  - Cord, 10314 (black 4-foot, 2-conductor).

(b) *Associated Apparatus:*

- Set, Loudspeaker, 107B
- 500SM, 2500SM, or other telephone set to which 107B loudspeaker set can be connected (refer to Section 463-221-100)
- Transformer, ♦2012D.♦

**C. Design Features**

2.03 *Design features are as follows:*

- Worn as a headset with the receiver resting on the mastoid bone behind the ear

**NOTICE**

Not for use or disclosure outside the  
Bell System except under written agreement

- The KS-14720L2 receiver has no internal amplifier and therefore must be used with amplified station apparatus.

**D. Application**

**2.04 Application for headset is as follows:**

- Can be used with amplified station apparatus on CO, PBX, or centrex lines.

**3. INSTALLATION**



*Secure headset cord stay band hook in a 44A connecting block using the cover mounting screw to provide strain relief for the cord.*

**3.01** Locate the loudspeaker set near its associated telephone set so the volume control is within easy reach of the telephone user.

**4. CONNECTIONS**

**4.01** When using the 107B loudspeaker set as an amplifier for the KS-14720L2 headset, the internal loudspeaker is disconnected and the KS-14720L2 headset is connected as a substitute receiver (Fig. 3).

**4.02 Connection Index:**

Table A—Modification of 500C/D (MD) Telephone Set

Fig. 2—Typical Installation For Registered Arrangement of KS-14720L2 Headset With 107B Loudspeaker Set and Associated Telephone Set

Fig. 3—Connection For Registered Arrangement of KS-14720L2 Headset to 107B Loudspeaker Set and Associated Telephone Set

Fig. 4—Connection of KS-14720L2 Headset to 106-Type Loudspeaker Set and Associated Telephone Set (Not For New Installations, Retained for Maintenance Only)

Fig. 5—Typical Installation of KS-14720L2 Headset With 107A (MD) Loudspeaker Set and Associated Telephone Set (Not

For New Installations, Retained For Maintenance Only)

Fig. 6—Connection of KS-14720L2 Headset To 107A (MD) Loudspeaker Set and Associated Telephone Set (Not For New Installations, Retained For Maintenance Only)

Fig. 7—Connection of KS-14720L2 Headset To 3-Type (MD) Speakerphone System (Not For New Installations, Retained For Maintenance Only)

**5. MAINTENANCE**

**5.01** Repair of KS-14720L2 headset consists of replacing component parts. See Ordering Guide for piece part numbers.

♦TABLE A♦

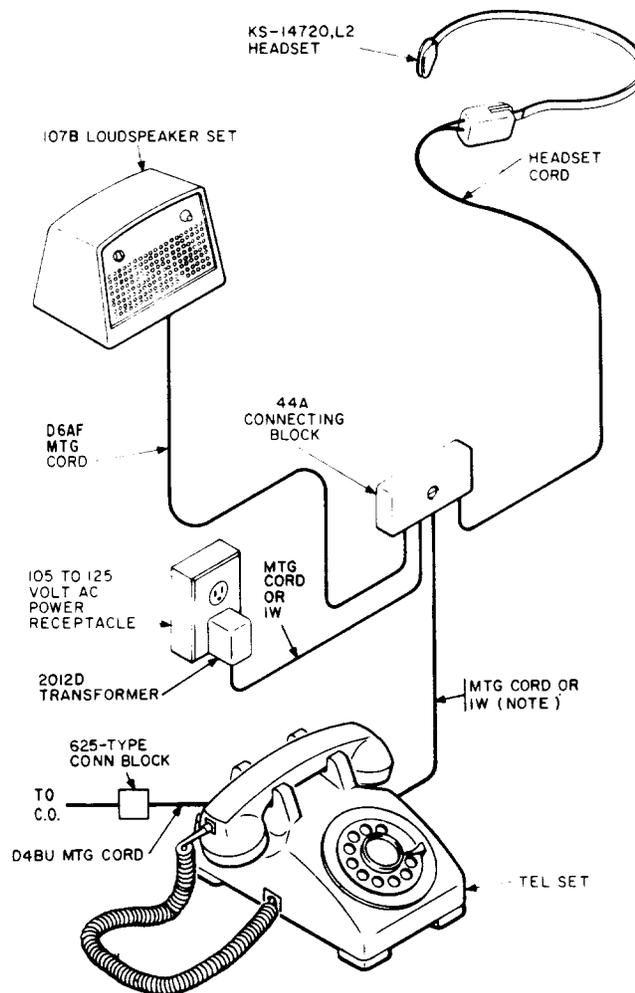
**MODIFICATION OF 500C/D (MD) TELEPHONE SET  
(NOT FOR NEW INSTALLATIONS,  
RETAINED FOR MAINTENANCE ONLY)  
(SEE FIG. 4, 5, AND 6)**

COM- PONENT	LEAD COLOR	RE- MOVE FROM NET.	CONNECT TO	
			MTG CORD	NET. TERM.
Handset	W	R	W-BR (Note 3)	
	W	GN	BR-W (Note 3)	
Mounting Cord (Note 1)	BL-W			L2
	W-BL			L1
	O-W			G
	G-W			GN
	W-G			R
Ringer		(Note 2)		

*Note 1:* Replace 3 conductor mounting cord with D10P mounting cord.

*Note 2:* Connect ringer according to type of service required. See connection section for 500C/D telephone set.

*Note 3:* Use D-161488 connector. (Tape connectors separately and store clear of moving parts.)



## NOTE:

HOUSINGS ON 500SM AND 2500SM TELEPHONE SETS ARE NOTCHED FOR MOUNTING CORD ENTRANCE. IF OTHER CODE SETS ARE USED IT WILL BE NECESSARY TO NOTCH THE HOUSING.

**Fig. 2—Typical Installation For Registered Arrangement of KS-14720L2 Headset With 107B Loudspeaker Set and Associated Telephone Set**

NOTES:

1. MAY BE ANY TELEPHONE SET TO WHICH 107B SPOKESMAN® SERVICE CAN BE CONNECTED (E. G., 500SM OR 2500SM).
2. REFER TO SECTION 463-221-100 FOR SPECIFIC TERMINALS.
3. REMOVE (BL) AND (W) MTG CORD LEADS FROM LOUDSPEAKER SET TERMINALS 3 AND 4 AND CONNECT TO 2 LOUDSPEAKER LEADS AS SHOWN.

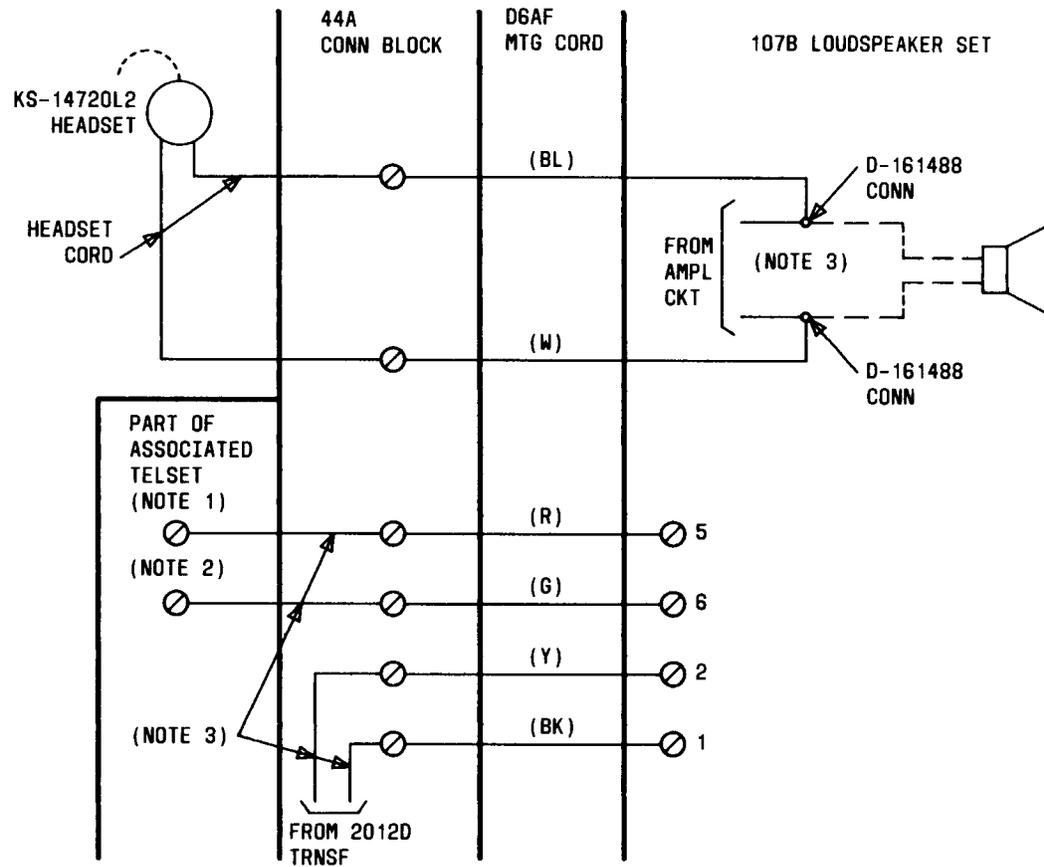
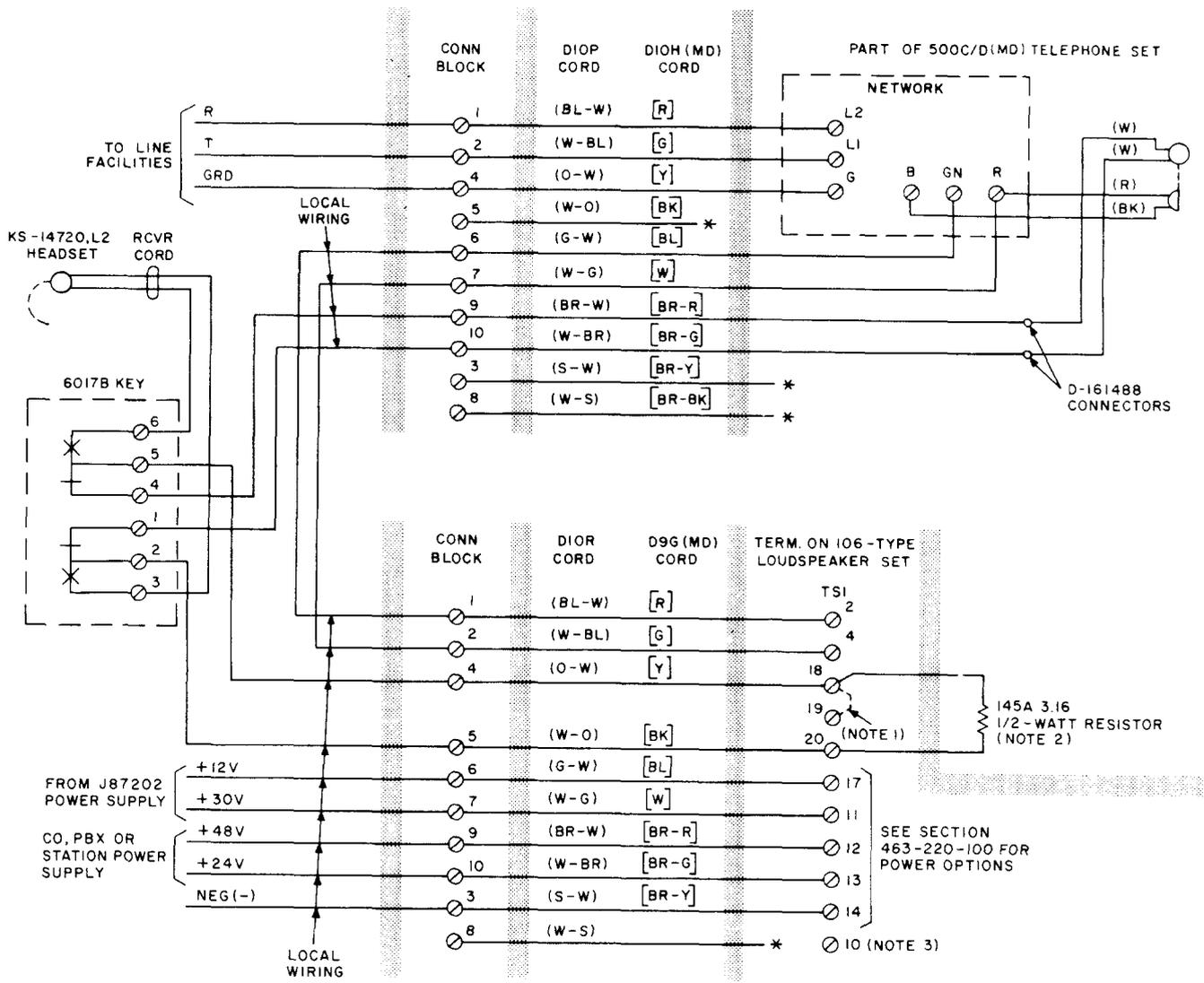
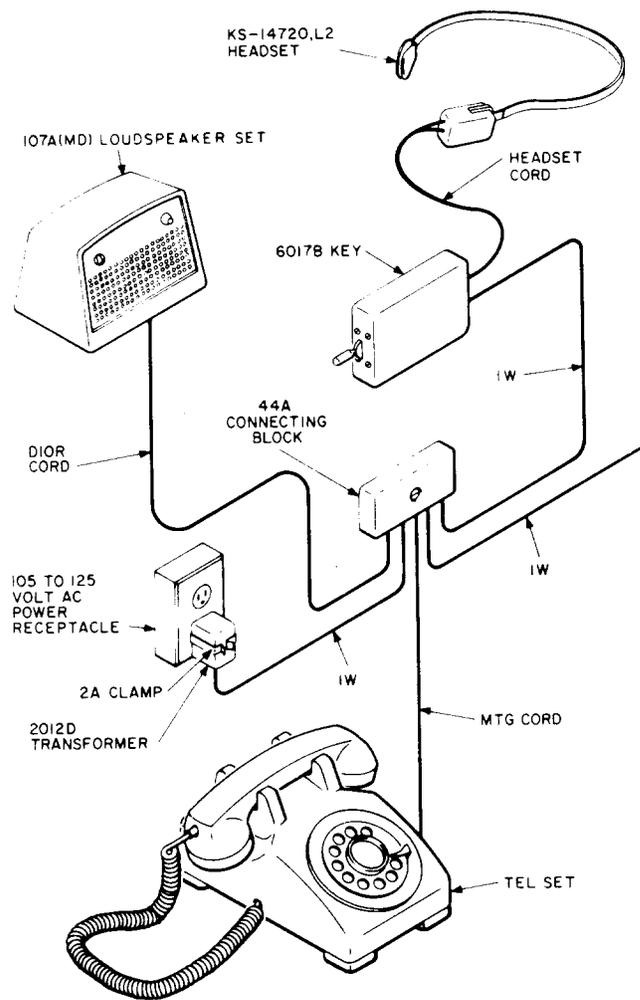


Fig. 3—Connection For Registered Arrangement of KS-14720L2 Headset to 107B Loudspeaker Set and Associated Telephone Set



- NOTES:
1. REMOVE STRAP BETWEEN TERMINALS 18 AND 19 TO DISABLE SPEAKER.
  2. 145A RESISTOR HAS TO BE ADDED WHEN SPEAKER IS DISABLED.
  3. CONNECT NEGATIVE (-) SIDE OF BATTERY TO TERMINAL 10 TO DISABLE ON-OFF SWITCH.
- \* INSULATE AND STORE  
 ( ) CURRENT COLOR  
 [ ] MD COLOR

Fig. 4—Connection of KS-14720L2 Headset to 106-Type Loudspeaker Set and Associated Telephone Set (Not For New Installations, Retained For Maintenance Only)



**Fig. 5—Typical Installation of KS-14720L2 Headset With 107A (MD) Loudspeaker Set and Associated Telephone Set (Not For New Installations, Retained For Maintenance Only)**

NOTES:

1. TO DISCONNECT KS-16881,L2 LOUDSPEAKER, LIFT INDUCTOR LEADS AT TERM D AND E
  2.  $39\Omega$  1/2 WATT RESISTOR HAS TO BE ADDED WHEN KS-14720,L2 HEADSET IS SUBSTITUTED FOR KS-16881,L2 LOUDSPEAKER
  3. REPLACE D4BT CORD WITH D10R CORD.
- INSULATE AND STORE

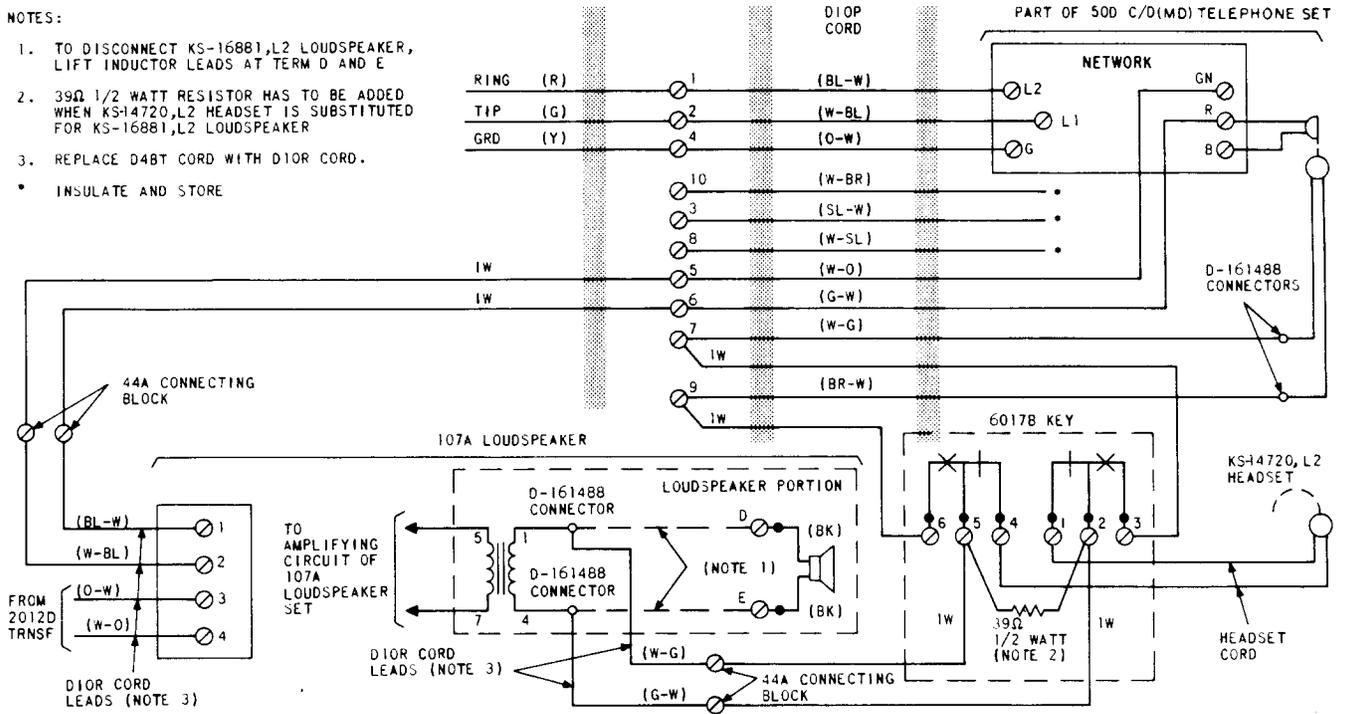


Fig. 6—Connection of KS-14720L2 Headset to 107A (MD) Loudspeaker Set and Associated Telephone Set (Not For New Installations, Retained For Maintenance Only)

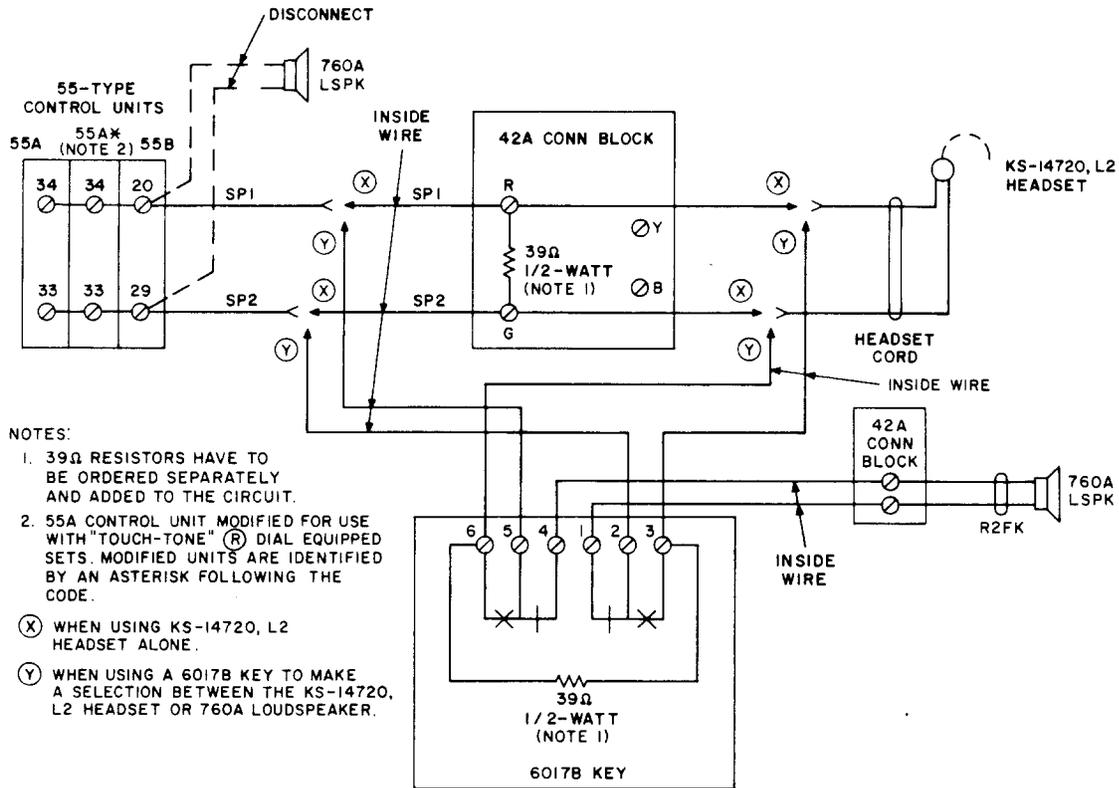


Fig. 7—Connection of KS-14720L2 Headset to 3-Type (MD) Speakerphone System (Not For New Installations, Retained For Maintenance Only)