

KS-20778 HEAD TELEPHONE SETS AND KS-21430 HEADSET DESCRIPTION, USE, AND MAINTENANCE

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NOTICE

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1. GENERAL

1.01 This section covers the description, use, and maintenance of the KS-20778 head telephone sets and the KS-21430 headsets.

1.02 The reasons for reissuing this section are listed below. Since this reissue is a general revision, no revision arrows have been used to denote the significant changes. The Equipment Test List is affected.

- (1) To revise text
- (2) To add the KS-20778, L101B, L103B through L115B, and L117B Head Telephone Sets
- (3) To revise Table A
- (4) To add Table B and Table C
- (5) To add a new Fig. 1
- (6) To remove the lanyard and cradle to indicate they are no longer supplied with the KS-20778 head telephone sets.

1.03 The KS-20778, L101B, L103B through L115B, and L117B head telephone sets replace the KS-19796, L1A through L15A (Mfr Disc.) head

telephone sets. The following is a list of the old codes and their corresponding replacements:

MFR DISC. CODES KS-19796	REPLACEMENT CODES KS-20778
L1A	L101B
L2A	No replacement
L3A	L103B
L4A	L104B
L5A	L105B
L6A	L106B
L7A	L107B
L8A	L108B
L9A	L109B
L10A	L110B
L11A	L111B
L12A	L112B
L13A	L113B
L14A	L114B
L15A	L115B
	*L117B

1.04 The KS-20778 head telephone sets are intended for use by private branch exchange (PBX) and console attendants, attendant supervisors, Federal Aviation Agency (FAA) personnel in 4- and 6-wire circuits, and for customer use with jack-equipped station sets. The KS-20778, L1A through L16A (Mfr Disc.), L1B through L18B (Fig. 1), L101B, L103B through L115B and L117B (Fig. 2) head telephone sets are intended for general use in the Bell System, including FAA 4- and 6-wire circuits.

*Quick Disconnect (Q/D) Version of 101B.

1.05 The KS-20778, L1B through L16B, head telephone sets replace the L1 through L15 (Mfr Disc.), and the L1A through L16A (Mfr Disc.) head telephone sets and are approved for all of the above uses. The KS-20778, L1B through L16B, L17B and L18B, head telephone sets are equipped with a new design amplifier which can function more reliably at higher supply currents (up to 140 mA). The KS-20778, L1A through L16A (Mfr Disc.), head telephone sets can continue to be used on most applications with no degradation of reliability. The new amplifier can be used as a conversion or direct replacement component on KS-20778, L1 through L15 (Mfr Disc.), and L1A through L16A (Mfr Disc.), head telephone sets now in use. The new integrated circuit amplifier package is color coded with a yellow dot to differentiate it from the previous amplifier used in the "A" versions. The KS-20778, L1B through L16B, head telephone sets may be used as an alternative for the 52-type and 60-type head telephone sets.

1.06 The KS-20778, L101B, L103B through L115B, and L117B head telephone sets replace the KS-19796 (Mfr Disc.) head telephone sets and have a lightweight capsule that is well-suited for use by operators wearing eyeglasses or has an over-the-head band. The amplifier is the same as the amplifiers used in all KS-20778, series B, head telephone sets.

1.07 The KS-21430 headset is used at service observing desks. The headset consists of an earmounted lightweight receiver capsule connected to a 5-foot straight cord, terminated into a dual 2-conductor plug. The tip and sleeve of each plug are internally connected together.

2. GENERAL DESCRIPTION

KS-20778 HEAD TELEPHONE SETS

2.01 The KS-20778, L1B through L18B, head telephone sets (Fig. 1, 3, 4, and 5) have a receiver and a transmitter which are lightweight sets that do not require headbands. The sets are held on the head by a flat, plastic capsule that is shaped to fit behind and around either outer ear, or by a clip attached to the user's glasses. The KS-20778, L101B, L103B through L115B, and L117B, have an over-the-head (Fig. 6) or eyeglass clip style support. An over-the-head band is provided with each head telephone set. A cable clamp is provided

with either style to permit the user to fasten the cable to their clothing.

2.02 The receiver unit of the KS-20778 head telephone set is acoustically coupled to the ear by a small, plastic tube and ear tip. The sound is conducted from the user's mouth to the transmitter unit by means of a colorless, plastic tube which can be rotated and adjusted for length. An intergrated circuit (IC) amplifier increases the transmitter output to a level suitable for telephone use.

2.03 Each head telephone set, except the KS-20778, L16B, is furnished with a box containing six plastic earpieces of graded sizes, an eyeglass mounting clip, and an instruction booklet. The KS-20778, L16B, is furnished with an instruction book, but not with an earpiece kit or eyeglass mounting clips. Each set is provided with a zippered, plastic pouch for storage. Tables A and B list the principal applications of the KS-20778 head telephone sets and the differences in equipment features of the various sets.

2.04 The FAA sets (L4B through L15B, and L104B through L115B) are available in black only. All other sets are available in beige only.

QUICK DISCONNECT

2.05 The KS-20778, L17B, L18B, and L117B Q/D head telephone sets (Fig. 7, 8 and 9) are primarily intended for use on station sets equipped for head telephone set service and PBX consoles. The L17B is equivalent to the existing L1B head telephone set with coiled cord, and the L18B is equivalent to the L2B head telephone set with straight cord except that a small Q/D connector has been added in the cords between the capsules and the amplifiers. The L117B (Fig. 7) is equivalent to the L101B head telephone set except that a small Q/D connector has been added in the cord. With the Q/D sets, the user can unplug the Q/D connector, thus separating the capsule and its short cord from the amplifier and its longer cord. The amplifier is left plugged into the position jacks. This allows the user to leave the position without removing the head telephone set or placing the call on hold.

2.06 Since the Q/D feature makes it more convenient for the user to leave the amplifier plugged into the position jacks when leaving the

position, proper training and/or administrative procedures should be applied before using the Q/D head telephone sets. The Automatic Call Distributors and Telco operator services positions, equipped with Force Administration Data Systems (FADS), rely upon the presence of the amplifier in the position jacks to be a valid indicator of an attendant at that position. Improper handling of calls could result if the amplifiers of the Q/D sets are left in the position jacks while no attendant is present.

2.07 The Q/D subassemblies can be randomly interchanged and still maintain the same tolerance on transmit and receive levels as the KS-20778, L1B and L16B, head telephone sets. This is accomplished by tightening the tolerance of two components used in the Q/D sets. The capsule assembly will use a tight tolerance acoustic tube having black ferrule tips. A tight tolerance amplifier is also used and is identified by a yellow dot on the integrated circuit package and a red dot on the amplifier board. It is important for repair personnel to use the appropriate parts when repairing Q/D sets in order to ensure proper performance.

2.08 The Q/D concept lends itself to improved repair procedures and reduced inventory stocks. Trouble with a faulty unit can be quickly isolated to the capsule or amplifier by interchanging the subassemblies with repair spares or those of another Q/D head telephone set which is known to be functioning properly.

2.09 The KS-20778 head telephone sets provide proper transmission levels when used with station equipment having 241A transmit amplifier on loops which do not exceed the **resistance design limit** of 1300 ohms. For use of head telephone sets on loops which exceed the **resistance design limit**, it is recommended that a 241B amplifier be used as the internal transmit amplifier in the station equipment. When the head telephone sets are used with telephone sets or PBX consoles which contain internal transmit amplifiers, a 52- or 53-type headset should not be placed in parallel with any KS-20778 sets as the low impedance of the carbon transmitter will seriously reduce the gain of the head telephone set amplifier.

2.10 The newer 100C TSPS, AIS and 100B TSPS operator positions are manufactured so that the KS-20778, L1A through L16A (Mfr Disc.), head telephone sets can be used. These systems are

identified by an asterisk at the end of the model number. Those systems that are not identified by the asterisk may be modified to have 110 mA dc maximum transmitter current. The circuits operating on 24 volts can be modified by the craftsperson using the schematic drawings. Circuits operating on 48 volts must be returned to the factory for the modifications.

2.11 When the KS-20778 head telephone set is used at 1- and 2-type attendant telephone consoles, it is necessary to remove the 68-ohm dummy loading resistors across the console head telephone set jacks. The dummy load resistors were originally provided to ensure a constant transmit level when either one or two head telephone sets were used. The resistors designated R1 and R2 on SD-67001-01 may be removed simply by cutting the resistor leads off as close to the jack as practicable. (See Fig. 10.) Removal of the resistors will also improve the transmit levels of the other types of head telephone sets.

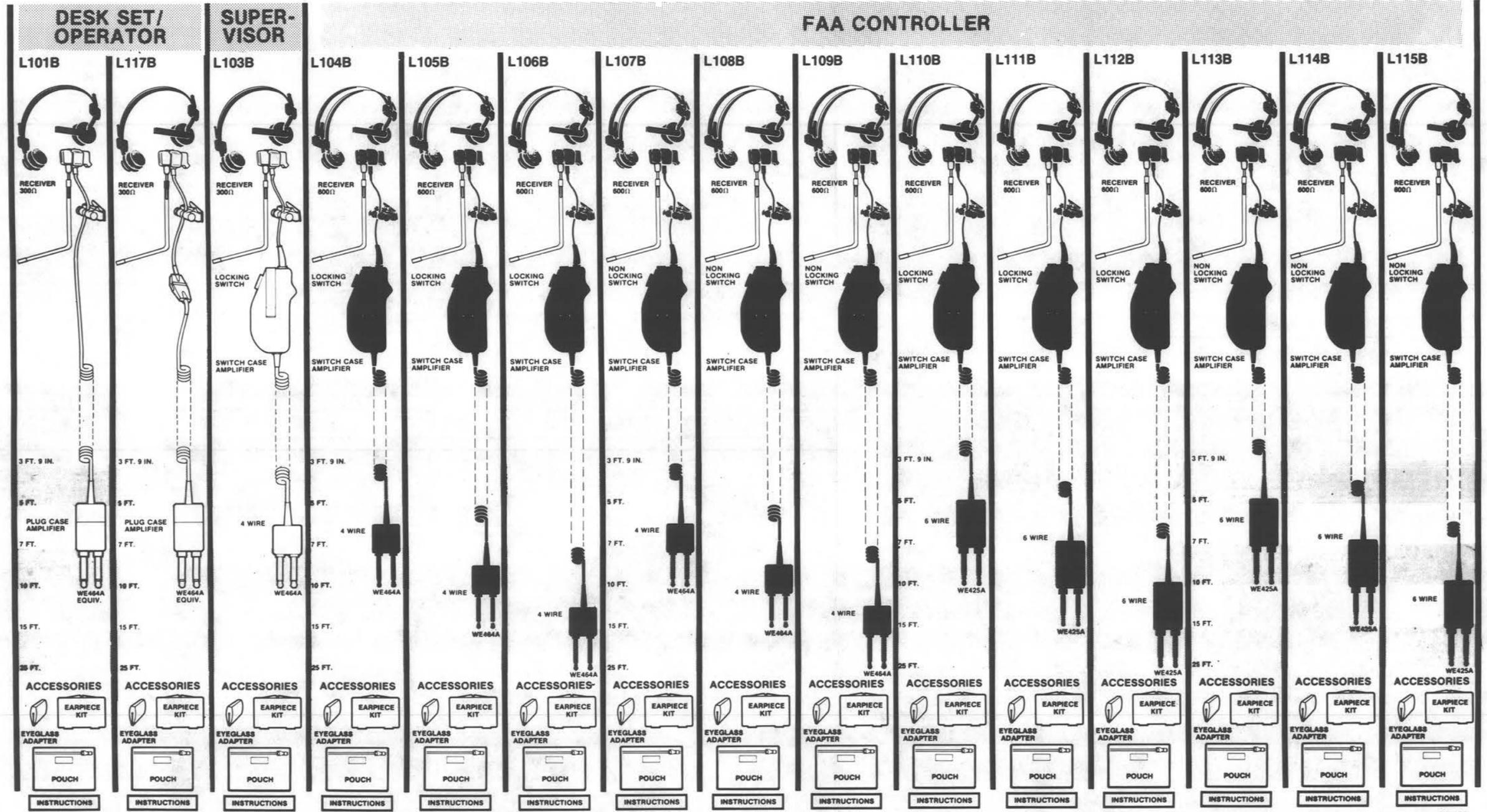
2.12 Excessive mechanical abuse, including raps against a hard surface, can damage components in the capsule and amplifier.

2.13 Spare head telephone sets should be substituted for sets which are reported as being in trouble several times during a period of 30 days, and on which the tests and inspections covered herein have disclosed no defects. These sets should be returned to Western Electric for repair and tagged "Intermittent Trouble."

2.14 Most of the head telephone sets will be stamped on the amplifier case with the Bell System emblem and the legend, "Bell System Property—Not for Sale." All Bell System head telephone sets date stamped 12-70 and after will have the letter B immediately after the stampings on both the capsule and amplifier case. All head telephone sets equipped with the new amplifier (see paragraph 1.05) will be stamped "Bell System Property—Not for Sale—KS-20778 Series B" on the plastic, amplifier housing.

KS-21430 HEADSET

2.15 The KS-21430 headset (Fig. 11) has a receiver and is a lightweight set which does not require headbands. The set is held on the head by a flat plastic capsule, shaped to fit behind and around either outer ear or by a clip attached to



INDIVIDUAL ACCESSORIES AVAILABLE: EARPIECE KIT (ALSO AVAILABLE IN BULK), LANYARD, BACKGROUND NOISE SUPPRESSOR AND EYEGLASS ADAPTER

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Fig. 2—KS-20778, L101B, L103B Through L115B and L117B Head Telephone Sets

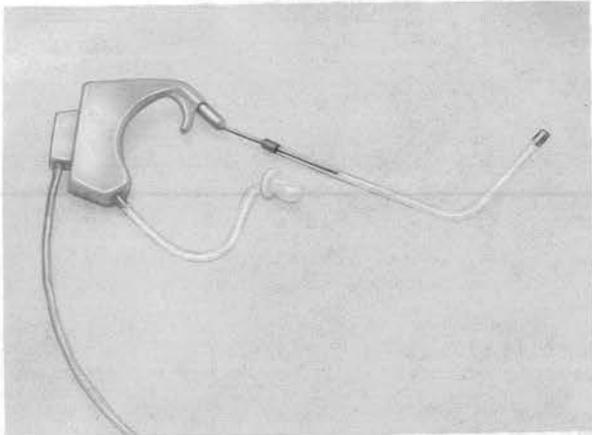


Fig. 3—KS-20778, L1B through L18B Head Telephone Sets

the user's glasses. A cable clamp is provided to permit the user to anchor the cable to his clothing.

2.16 In the KS-21430 headset, a miniature magnetic transducer is used for the receiver unit. The receiver unit is acoustically coupled to the ear by a small, plastic tube and ear tip. The KS-21430 headset can be used as an alternate for the 1020B or 1026A headset.

3. VISUAL INSPECTION

3.01 The head telephone set or headset should be inspected according to the following procedure:

STEP	ACTION	VERIFICATION
1	Inspect for the presence of all parts. (See Fig. 1 through 11.)	Replace head telephone set or parts. (See paragraph 6.01 for recommended field replacement parts.)
2	Inspect for soiled, cut, crushed, kinked, or abraded cord and wrist loop (if used).	Clean or replace defective cord or wrist loop.
3	Inspect for stained, broken, cracked, or chipped plastic parts.	Clean or replace head telephone set or defective parts.
4	Inspect for deformed, mutilated, plugged, or loose speech tube assembly.	Replace defective speech tube assembly.
5	Inspect for cracked or plugged tube and ear tip.	Clean or replace ear tip.
6	Inspect clothes clip for proper operation.	Replace defective clothes clip.
7	Inspect for dirty or damaged plug profiles.	Clean or replace damaged parts.
8	Inspect amplifier switch for easy operation and locking or nonlocking.	Replace defective switch.

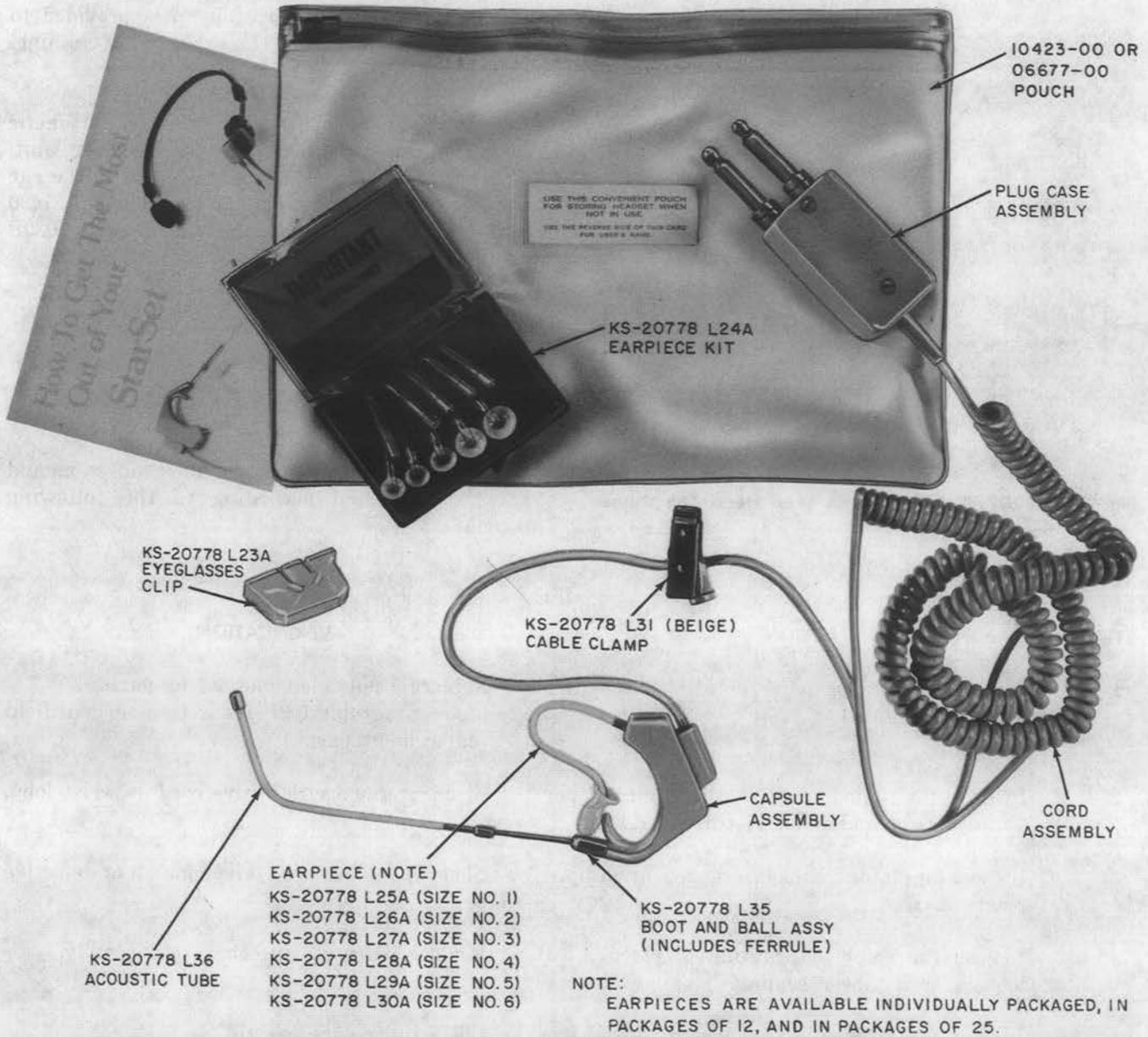
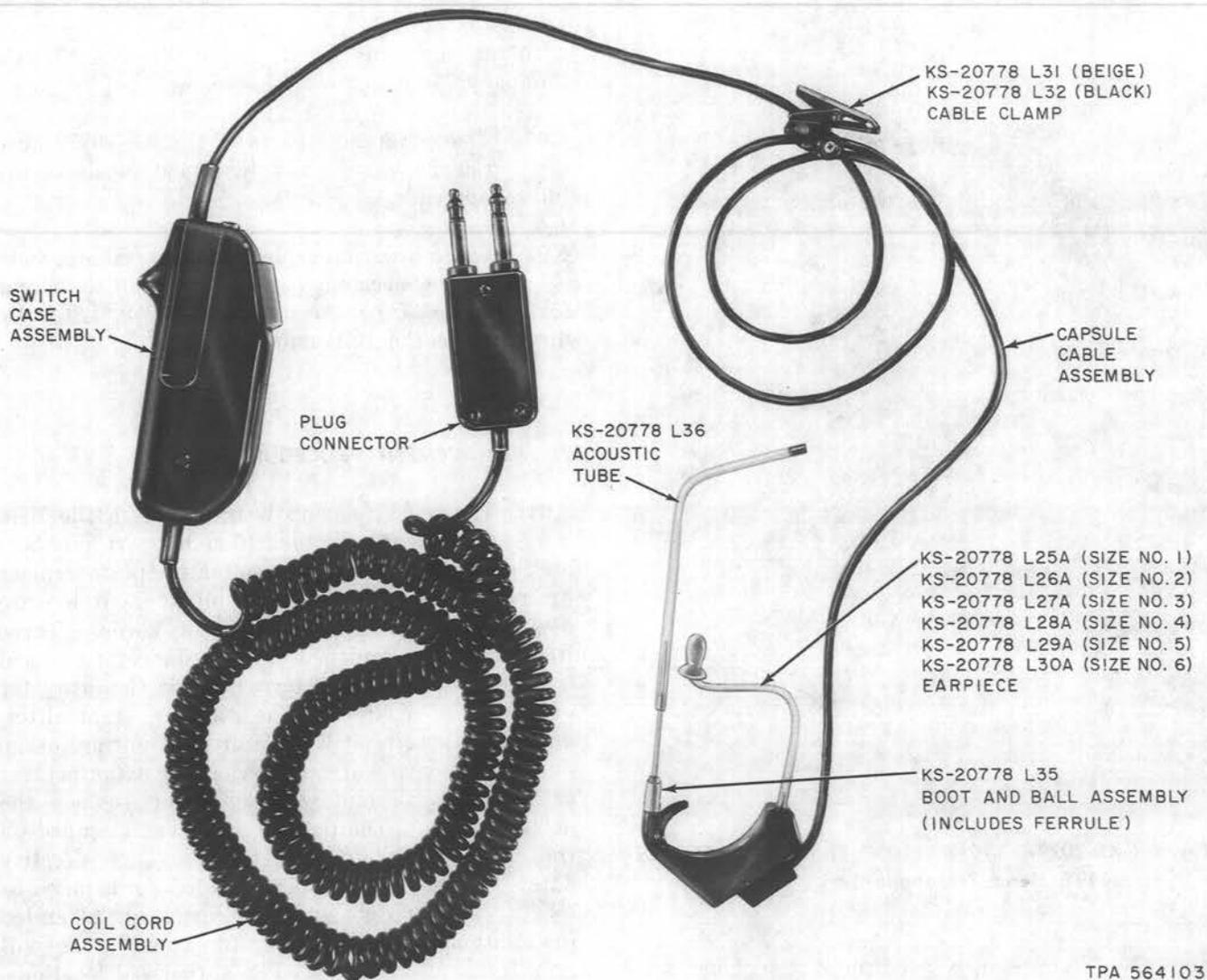


Fig. 4—KS-20778, L1B—[L2B, L16B, and L1, L1A, L2, L2A, L16A (Mfr Disc.) are Similar Type Head Telephone Sets]

4. APPARATUS

4.01 List of Tools, Materials, and Test Equipment:

CODE OR SPEC NO. TOOLS	DESCRIPTION	MATERIALS	DESCRIPTION
		—	Soap
		—	3M Insulation Adhesive, No. 35
AT-7739	Screwdriver, Size 1	—	Cloth, Cotton or Tissue for cleaning



TPA 564103

Fig. 5—KS-20778, L7B is Shown [L3B Through L6B, L8B Through L15B; L3 Through L15 and L3A Through L15A (Mfr Disc.) are Similar Type Head Telephone Sets]

TEST EQUIPMENT	DESCRIPTION	ELECTRICAL TEST FOR KS-20778, L1A THROUGH L15A, AND L16A MFR DISC.; L1B THROUGH L18B, L101B, L103B THROUGH L115B, AND L117B
KS-21233, L1	Test Fixture	

5. ELECTRICAL TESTS

Warning: Do not apply an ohmmeter to the plug tips since many ohmmeters use battery supplies in excess of 6 volts and could damage amplifier components.

Danger: For hygienic reasons, do not insert used earpiece into ear.

5.01 Connect head telephone set to suitable 4- or 6-wire circuit and activate. Most troubles can be found by talking, whistling, or blowing into the speech tube and listening to the receiver response (see Trouble Chart 1). Reverse head telephone set plug and repeat. Trouble location can best be isolated by interchanging capsule and



Fig. 6—KS-20778, L101B, L103B Through L115B and L117B Head Telephone Sets

amplifier from known good head telephone set. The information included in this paragraph and 5.02 is given as a trouble locating aid. Schematics of these headsets and head telephone sets are shown on Fig. 12, 13, 14 and 15.

ELECTRICAL TEST FOR KS-21430

Danger: For hygienic reasons, do not insert used earpiece into ear.

5.02 While listening in the headset receiver, insert the plug into a suitable attendant circuit. (See Trouble Chart 2 and Fig. 15.)

6. REPLACEMENT PARTS

6.01 Figures 3 through 11, and Table C show the relationship of the various parts of the head telephone sets and headset. The replacement part numbers of these parts are given together

with the names as listed by the Western Electric Company Merchandise Department.

6.02 The replaceable parts of the KS-20778 head telephone sets and KS-21430 headsets are interchangeable.

6.03 When ordering replacement parts, give both the replacement part number and the name; for example, Tube, Acoustic, KS-20778, L36. Do not refer to the BSP number.

7. REPLACEMENT PROCEDURES

7.01 The only items to be replaced in the field are shown and identified by part numbers on Fig. 3 through 11. Do not attempt to replace or repair the capsule assembly, switch case assembly, plug case assembly, or cords. These items shall be returned in accordance with local instructions to the Western Electric Company for exchange or repair. If the receiver, transmitter, and amplifier circuit board fail from normal usage during the 2-year warranty period, the manufacturer or Western Electric will repair or replace the defective item. The date of shipment stamped on the capsule cases indicate the warranty effective date. Where field replacement of cords may be locally authorized such as large or attended installations, the KS-21233, L1, test fixture will greatly aid in assembly. For authorized locations, a detailed service manual is available from the manufacturer through Western Electric Company as "Startset* Service Manual 07880-00."

* Registered trademark of Platronics, Inc.

7.02 **Earpiece:** To remove the earpiece for replacement, grasp the tube adjacent to its attachment at the capsule and pull it off the projecting insert. Substitute the new earpiece, and push it on the projecting insert.

7.03 **Acoustic Tube:** Remove the plastic, acoustic tube by sliding it off the metal tube of the ball assembly. Substitute the new plastic tube and, using a rotary motion, slide it on the metal tube.

Warning: To ensure proper operation, do not bend the acoustic tube since it has been shaped by the manufacturer.

TABLE A
 PRINCIPAL USES AND FEATURES OF KS-20778,
 L1B THROUGH L18B, HEAD TELEPHONE SETS

KS-20778, LIST NO.*	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16A/B	L17B	L18B
Station Set	X																X	
Operator	X	X														X	X	X
Supervisor			X															
Color Beige	X	X	X													X	X	X
Color Black				X	X	X	X	X	X	X	X	X	X	X	X			
FAA Personnel 4-Wire Circuits				X	X	X	X	X	X									
FAA Personnel 6-Wire Circuits										X	X	X	X	X	X			
Coil Cord 10' and 30" Strt	X																X	
Straight Cord 5' Long																X		X
Wrist Loop			X	X	X	X	X	X	X	X	X	X	X	X	X			
Straight Cord 7' Long		X																
Coil Cord (4 Cond) 10'			X	X			X											
Coil Cord (4 Cond) 15'					X			X										
Coil Cord (4 Cond) 25'						X			X									
Coil Cord (6 Cond) 10'										X			X					
Coil Cord (6 Cond) 15'											X			X				
Coil Cord (6 Cond) 25'												X			X			
Amplifier and Case/Plug	X	X														X	X	X
Capsule Cord 45"			X	X	X	X	X	X	X	X	X	X	X	X	X			
Amplifier and Case With Locking Switch			X	X	X	X				X	X	X						
Amplifier and Case With Nonlocking Switch							X	X	X				X	X	X			
Plug 425A 6-Wire										X	X	X	X	X	X			
Plug 464A 4-Wire	X	X	X	X	X	X	X	X	X								X	X
Receiver 300 Ohm	X	X	X													X	X	X
Receiver 600 Ohm				X	X	X	X	X	X	X	X	X	X	X	X			
Eyeglass Clips	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	
Earpiece Kit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X
Pouch	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Instruction Booklet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

*L1 through L15 also includes L1A through L15A and L1B through L15B.

TABLE B

PRINCIPAL USES AND FEATURES OF KS-20778, L101B, L103B THROUGH L115B,
AND L117B HEAD TELEPHONE SETS

KS-20778, LIST NO*	L101B	L103B	L104B	L05B	L106B	L107B	L108B	L109B	L110B	L111B	L112B	L113B	L114B	L115B	L117B
Station Set	X														X
Operator	X														X
Supervisor		X													
Color Beige	X	X													X
Color Black			X	X	X	X	X	X	X	X	X	X	X	X	
FAA Personnel 4-Wire Circuits			X	X	X	X	X	X							
FAA Personnel 6-Wire Circuits									X	X	X	X	X	X	
Coil Cord 10' and 30' Strt	X														X
Straight Cord 5' Long															
Wrist Loop		X	X	X	X	X	X	X	X	X	X	X	X	X	
Straight Cord 7' Long															
Coil Cord (4 Cond) 10'		X	X			X									
Coil Cord (4 Cond) 15'				X			X								
Coil Cord (4 Cond) 25'					X			X							
Coil Cord (6 Cond) 10'									X			X			
Coil Cord (6 Cond) 15'										X			X		
Coil Cord (6 Cond) 25'											X			X	
Amplifier and Case/Plug	X														X
Amplifier and Case With Locking Switch		X	X	X	X				X	X	X				
Amplifier and Case With Nonlocking Switch						X	X	X				X	X	X	
Plug 425A 6-Wire									X	X	X	X	X	X	
Plug 464A 4-Wire	X	X	X	X	X	X	X	X							X
Receiver 300 Ohm	X	X													X
Receiver 600 Ohm			X	X	X	X	X	X	X	X	X	X	X	X	
Eyeglass Clips	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Headset Cradle	X														X
Earpiece Kit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Pouch	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Instruction Booklet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* L101B, L103B through L115B, and L117B

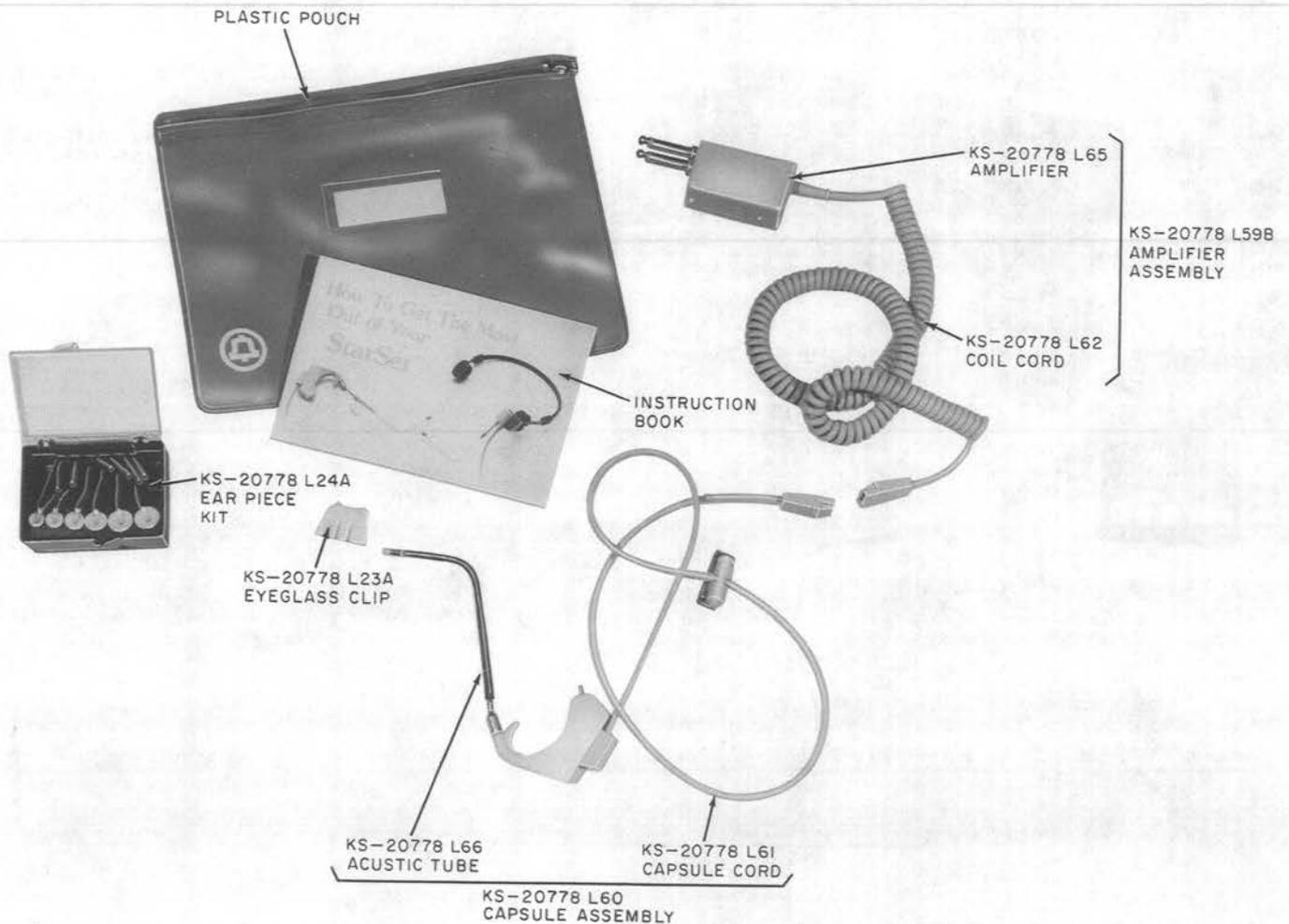


Fig. 7—KS-20778, L17B Head Telephone Set—Quick Disconnect

7.04 Boot and Ball Assembly: To remove the boot and ball assembly, grip the ferrule and push it toward the head telephone set capsule. Rotate the ferrule counterclockwise until the pins are aligned with the slots in the ferrule, and remove the ferrule from the end of the capsule. Substitute the new boot and ball assembly, and install in the reverse order of removal.

7.05 Cable Clamp: The cable clamp may be slipped up and down the cord by squeezing the ends of the clamp together. To replace the cable clamp, remove the associated screw using a B screwdriver, size 1, and remove the cable clamp. Substitute the new cable clamp, and install in the reverse order of removal. (See Fig. 16.)

Note: Clipping the cable clamp to a stationary object will facilitate the removal and replacement of the clamp.

Danger: The slide is under spring tension and pressure should be slowly released.

7.06 Headband Pads: When either or both of the headband pads require replacement, both pads should be replaced at the same time. The pad should be cemented to the headband, using 3M Insulation Adhesive, No. 35.

8. CLEANING PROCEDURES

Note: It is the user's responsibility to keep his earpiece clean by following procedures described in the instruction book and in paragraphs 8.01 through 8.04.

8.01 The earpiece assembly should always be kept clean. Particular attention should be

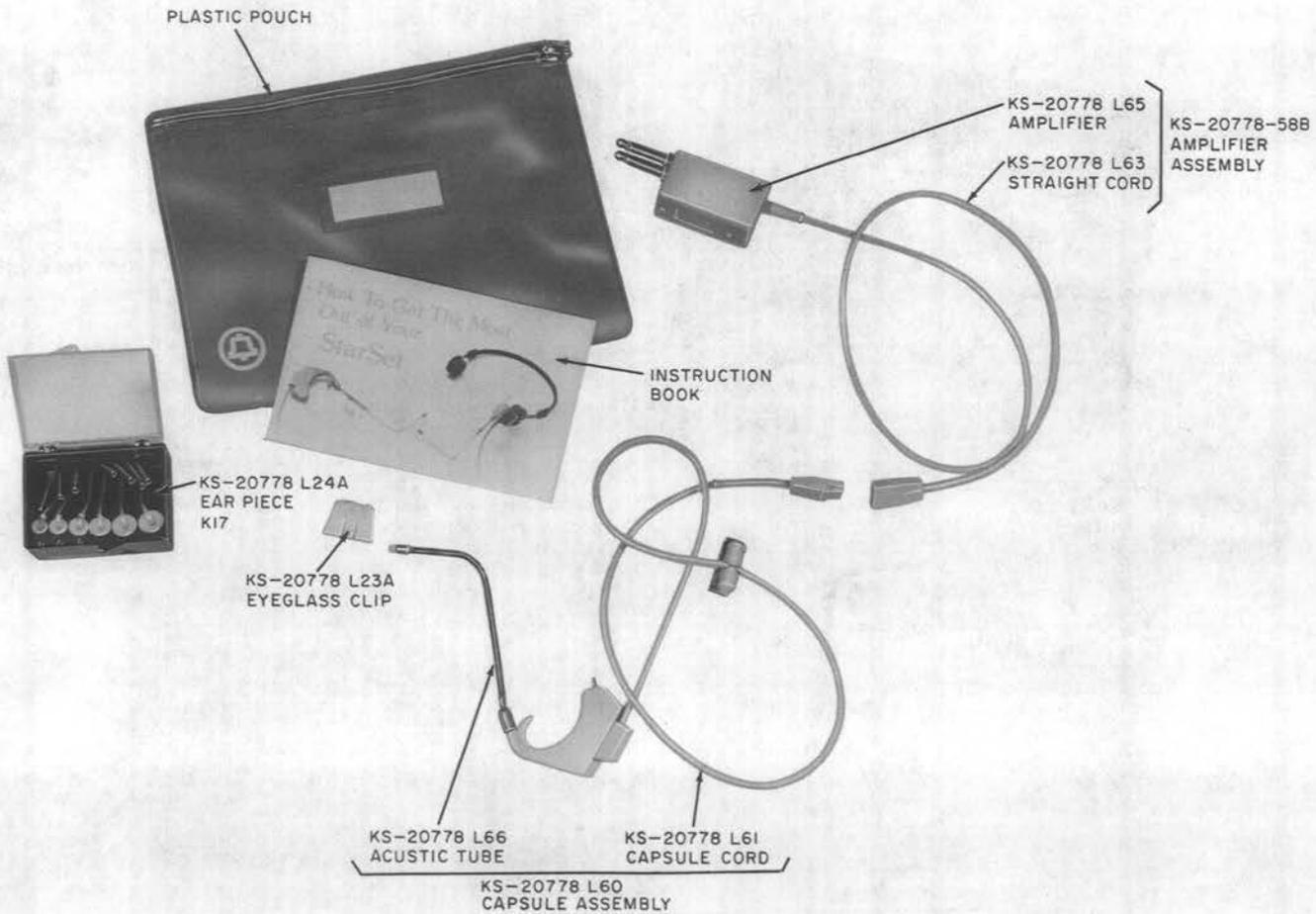


Fig. 8—KS-20778, L18B Head Telephone Set—Quick Disconnect

paid to keeping the sound opening unobstructed (free from wax).

8.02 Soap and water are recommended as a cleaning agent. Do not use cleaning solvents or detergents.

8.03 Where possible, visible contaminants should be removed with clean tissue, cloth, or cotton.

Further cleaning or washing should be done with the earpiece removed from the capsule. Do not use an electric polisher on the plugs.

8.04 The cleaning agent should be wiped dry and accumulations thereof should not be allowed to obstruct the openings. Blowing through the tube will remove the agents.

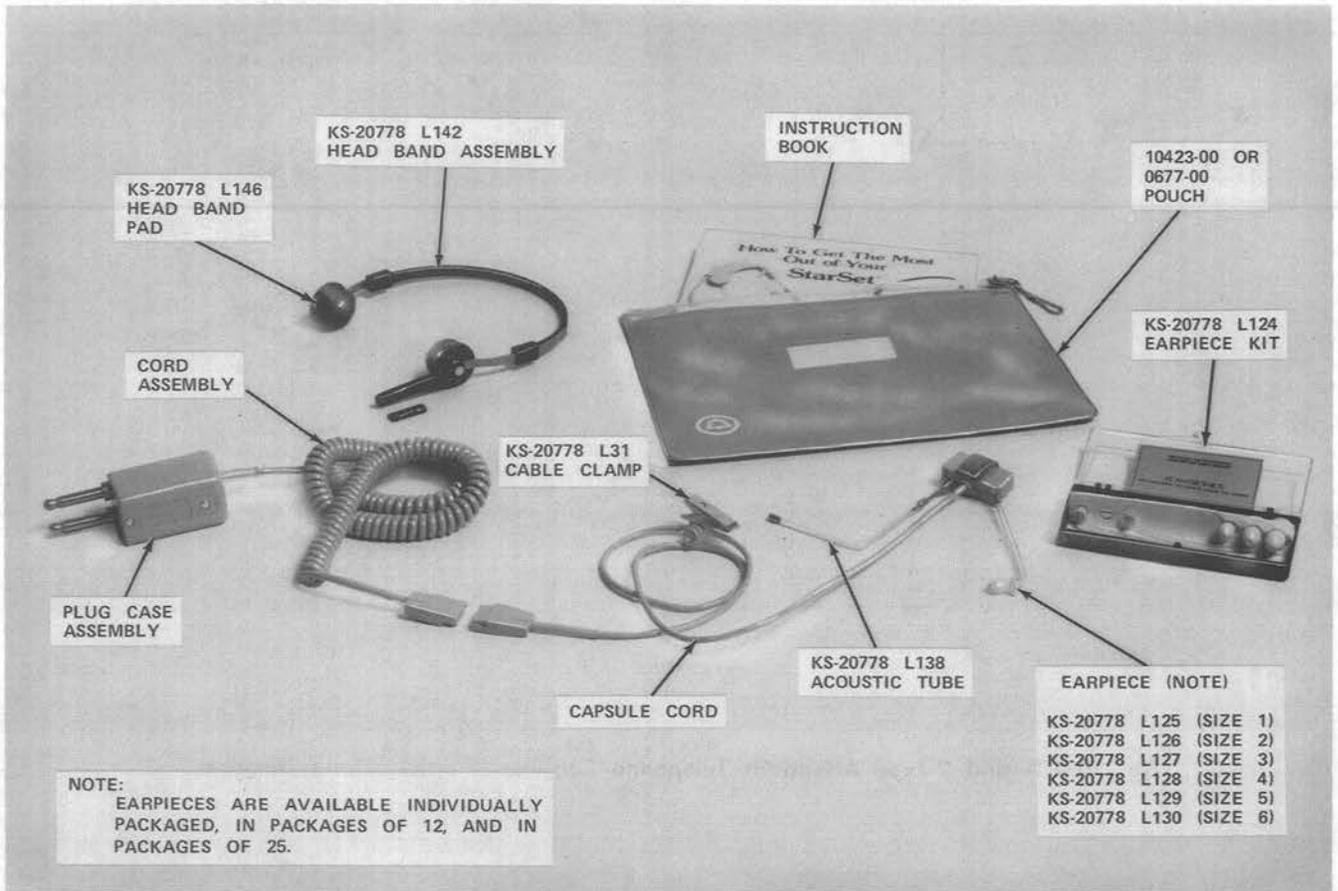


Fig. 9—KS-20778, L117B Head Telephone Set—Quick Disconnect

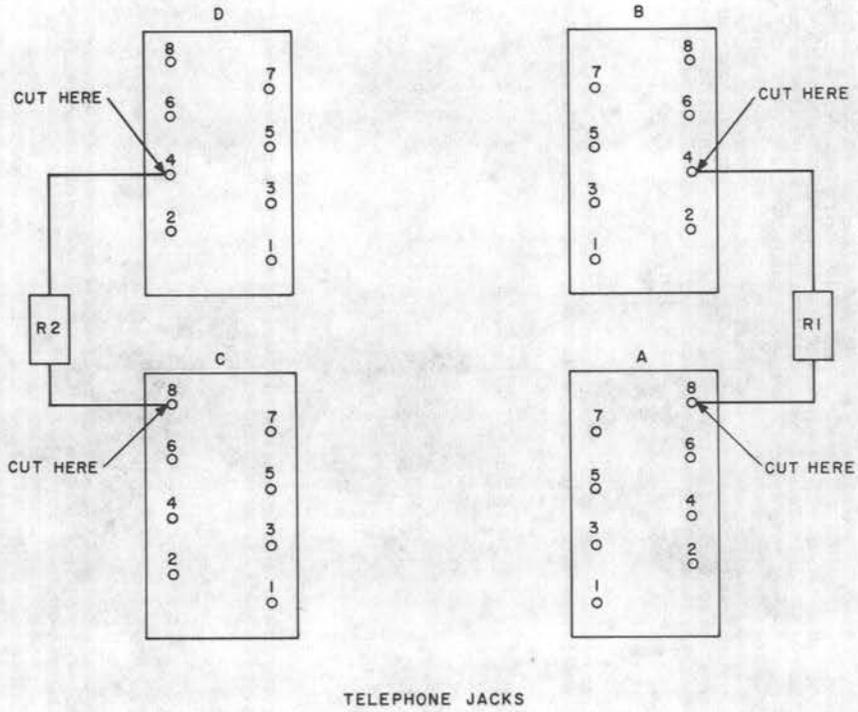


Fig. 10—1- and 2-Type Attendant Telephone Consoles—Partial Wiring Diagram

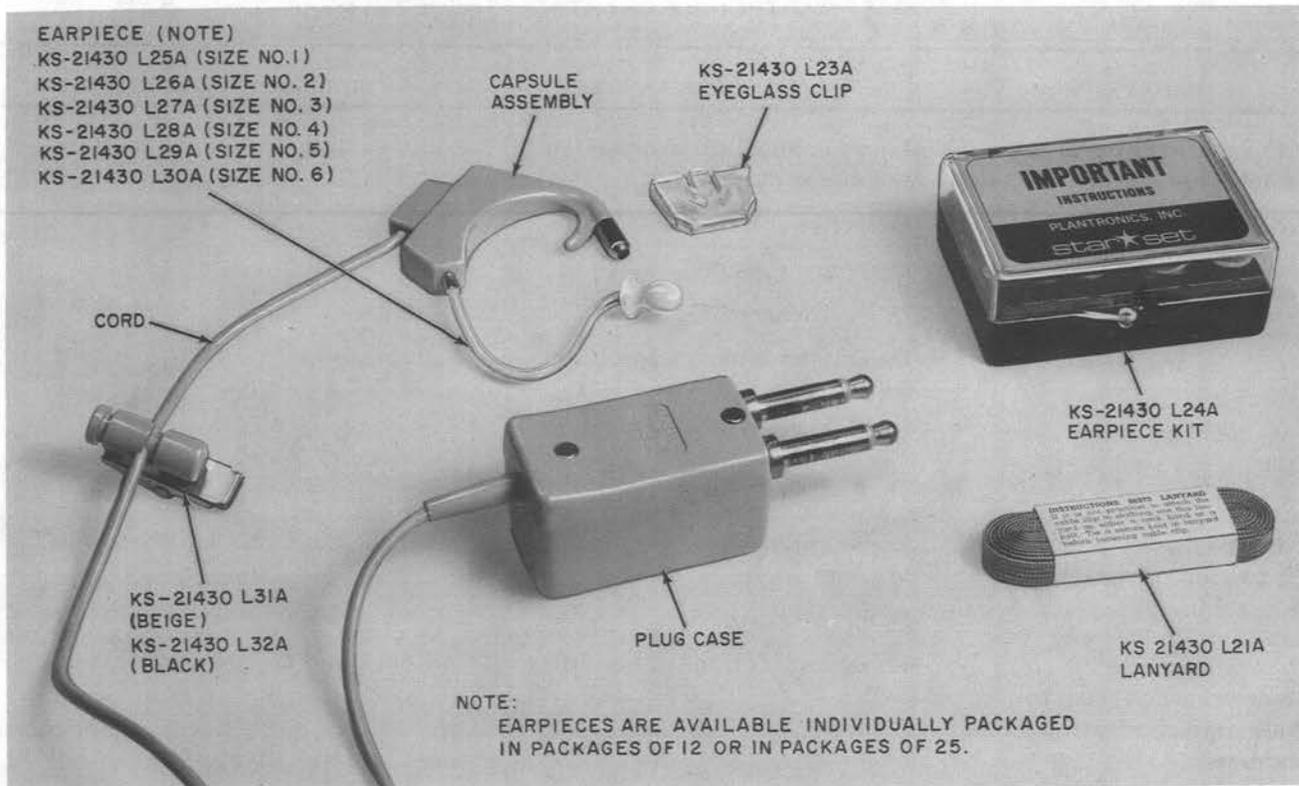


Fig. 11—KS-21430 Headset

TROUBLE CHART 1

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION (See 6.01.)
No sidetone intermittent sidetone. <i>Danger: For hygienic reasons do not insert used earpiece into ear.</i>	Loose connection in amplifier, switch, or plugs	Check and tighten connections
	Defective cord	
	Defective capsule	
	Defective amplifier	Replace
	Defective switch on amplifier (if-used)	Replace
No sidetone when telephone set plug is reversed.	Defective amplifier	Replace
Receiver noisy when cord is twisted or shaken	Loose connections at amplifier, or plugs Defective cord	Check and tighten connections
Crackling noise in receiver when push-to-talk amplifier switch is operated.	Loose connections at amplifier, switch Defective switch	Check and tighten connections.

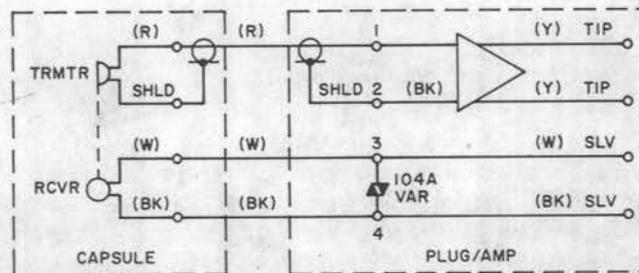


Fig. 12—KS-20778, L1B, L2B, L16B, L17B, L18B, L101B, and L117B
[L1, L1A, L2, and L2A (Mfr Disc.)] Headset Schematic

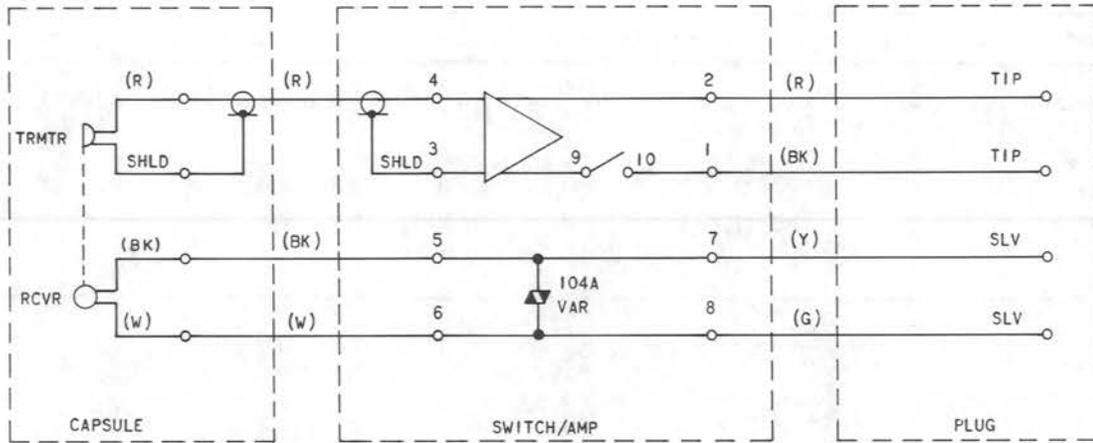


Fig. 13—KS-20778, L3B Through L9B, and L103B Through L109B [L3 Through L9, and L3A Through L9A (Mfr Disc.)] Headset Schematic

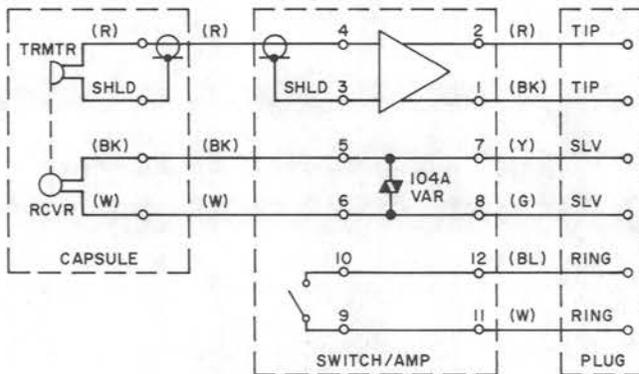


Fig. 14—KS-20778, L10B Through L15B, and L110B Through L115B [L10 Through L15 and L10A Through L15A (Mfr Disc.)] Headset Schematic

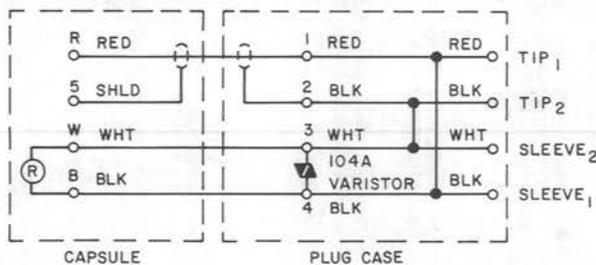


Fig. 15—Schematic for KS-21430 Headset

TROUBLE CHART 2

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION (SEE 6.01.)
No click or circuit noise	Loose connections at receiver end or plug end	Check and tighten connections
	Defective cord	
	Defective plug	
	Defective receiver	Replace

TABLE C

PARTS LIST FOR KS-20778 HEAD TELEPHONE SET

DESCRIPTION	APPLICATION
Acoustic Tube Assembly	
L36	L1B through L16B
L66	L17B, L18B, L60
L138	L101B, L103B through L115B
L139	L117B, L160
Adapter Assembly, L144	L101B, L103B through L115B, L117B, L160
Amplifier	
L58B (Q/D Straight Cord), lower portion	L18B
L59B (Q/D Coil Cord), lower portion	L17B and L117B
BNS (Back Ground Noise Suppressor) Kit, L145	L101B, L103B through L115B and L117B
Boots and Ball Assembly, L35	L1B through L18B
Brochure, L147	L1B through L18B, L101B, L103B through L115B and L117B
Cable Clamp	
L31 (Beige)	L1B through L3B, L16B through L18B, L101B through L103B, L117B
L32 (Black)	L1B through L3B, L16B through L18B
Capsule, L60 (earpiece, kit pouch & instruction book included)	L17B and L18B
Capsule Clips	
L140 (black, plastic)	L104B through L115B, L134
L141 (Sandlewood)	L101B, L103B, L117B, L132, L133, L137
Coil Cord	
L62 (10', beige, with Q/D connector for amplifier assembly)	L17B, L59B, and L117B
Straight Cord	
L63 (32", beige, with Q/D connector for amplifier assembly)	L18B and L58B
Earpieces	
L25A (Size 1)	L1B through L18B
L26A (Size 2)	L1B through L18B
L27A (Size 3)	L1B through L18B
L28A (Size 4)	L1B through L18B
L29A (Size 5)	L1B through L18B
L30A (Size 6)	L1B through L18B
L125 (Size 1)	L101, L103 through L115, L117
L126 (Size 2)	L101, L103 through L115, L117
L127 (Size 3)	L101, L103 through L115, L117
L128 (Size 4)	L101, L103 through L115, L117
L129 (Size 5)	L101, L103 through L115, L117
L130 (Size 6)	L101, L103 through L115, L117

TABLE C (Contd)

PARTS LIST FOR KS-20778 HEAD TELEPHONE SET

DESCRIPTION	APPLICATION
Earpiece Kits	
L24A (Six sizes per kit)	L1B through L15B, L17B, L18B, and L60
L124 (Six sizes per kit)	L101B, L103B through L115B, L117B, and L160
Eyeglass Clip	
L23A	L1B through L18B, and L60
Glasses	
Bow Adapter Kit	
L148	L101B, L103B through L115B, and L117B
Head Band Assembly	
L142 (single support band)	L101B, L103B, L117B, and L160
L143 (double support band)	L104B through L115B
Head Band Pads	
L146 (10 per pkg.)	L142 and L143
Headset Capsule Assembly and Accessories	
L160	L117B
Headset Cradle	
L22 (holder)	L1B, L2B, L58B, L59B, and L101B
Lanyard, L21	L1B through L3B, L16B through L18B, L60, L101B, L103B through L115B, L117B, and L160
Loop	
L56 (Wrist)	L3B through L15B, and L103B through L115B
Pouches	
L150 (Non-gussetted)	L1B, L2B, L16B, L17B, L18B, L58B, L59B, L60, L101B, and L117B
L151 (Gussetted)	L3B, L4B through L15B, L103B, and L104B through L115B

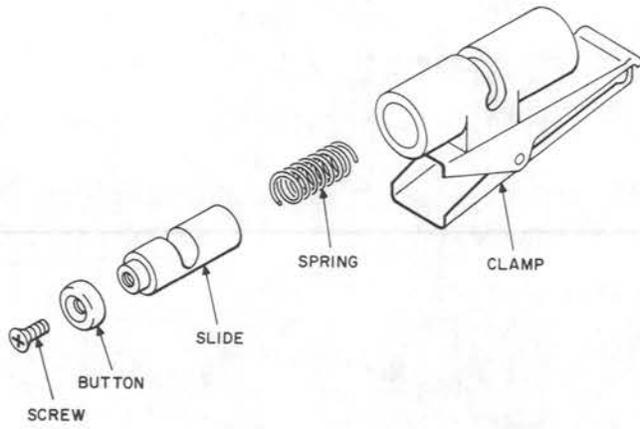


Fig. 16—Cable Clamp—Exploded View