

1023A-, 1024A-, 1024B-, 1026A-, AND 1027A-TYPE HEADSETS

PIECE-PART DATA AND REPLACEMENT PROCEDURES

1. GENERAL

1.01 This section covers information necessary for ordering parts to be used in the repair of 1023A-, 1024A-, 1024B-, 1026A-, and 1027A-type headsets. It also covers approved procedures for repairing and cleaning these sets.

1.02 This section is reissued to include piece-part data and replacement procedures for the 1027A-type headset.

1.03 Part 2 of this section covers part numbers and the corresponding names of the parts which it is practicable to replace in the field in the maintenance of these sets. No attempt should be made to replace parts not designated. Part 2 also contains explanatory figures showing the different parts.

1.04 Part 3 of this section covers the approved procedures for the replacement of parts covered in Part 2.

2. PIECE-PART DATA

2.01 Figures 1 through 7 show the relationship of the various parts of the head telephone sets. The piece-part numbers of these parts are given together with the names as listed by the Western Electric Company Merchandise Department.

2.02 When ordering replacement parts, give both the piece-part number and the name; for example: P-48V110 Screw. Do not refer to the BSP number.

2.03 Information enclosed by parentheses () is not ordering information. This information may be references to notes, parts referred to in other portions of the section and not considered replaceable, or part names in general use in the field if these names differ from those assigned by the manufacturer.

2.04 The 1023A-, 1024A-, 1024B-, 1026A-, and 1027A-type headsets are available in ivory (-50) color only.

3. REPLACEMENT PROCEDURES

3.01 *List of Tools and Materials*

CODE OR SPEC NO.	DESCRIPTION
TOOLS	
KS-2348	Cord repair screwdriver (equipped with P-484700 bit)
KS-6854	3-1/2 inch screwdriver
R-8950	Syringe
—	B long-nose pliers
—	3-inch C screwdriver
RS-16468	Cord tip tool or equivalent
MATERIALS	
KS-2423	Cloth
—	Bell System powdered soap
—	Mild detergent

3.02 After making replacement of parts, check the headset to see that it meets the tests specified in Section 028-371-501.

3.03 *Receiver Unit:* Fig. 5—To replace the receiver unit, proceed as follows.

- (1) Unscrew the cap from the housing assembly.
- (2) Using the KS-6854 screwdriver, remove the receiver terminal screws.
- (3) Remove the old unit.

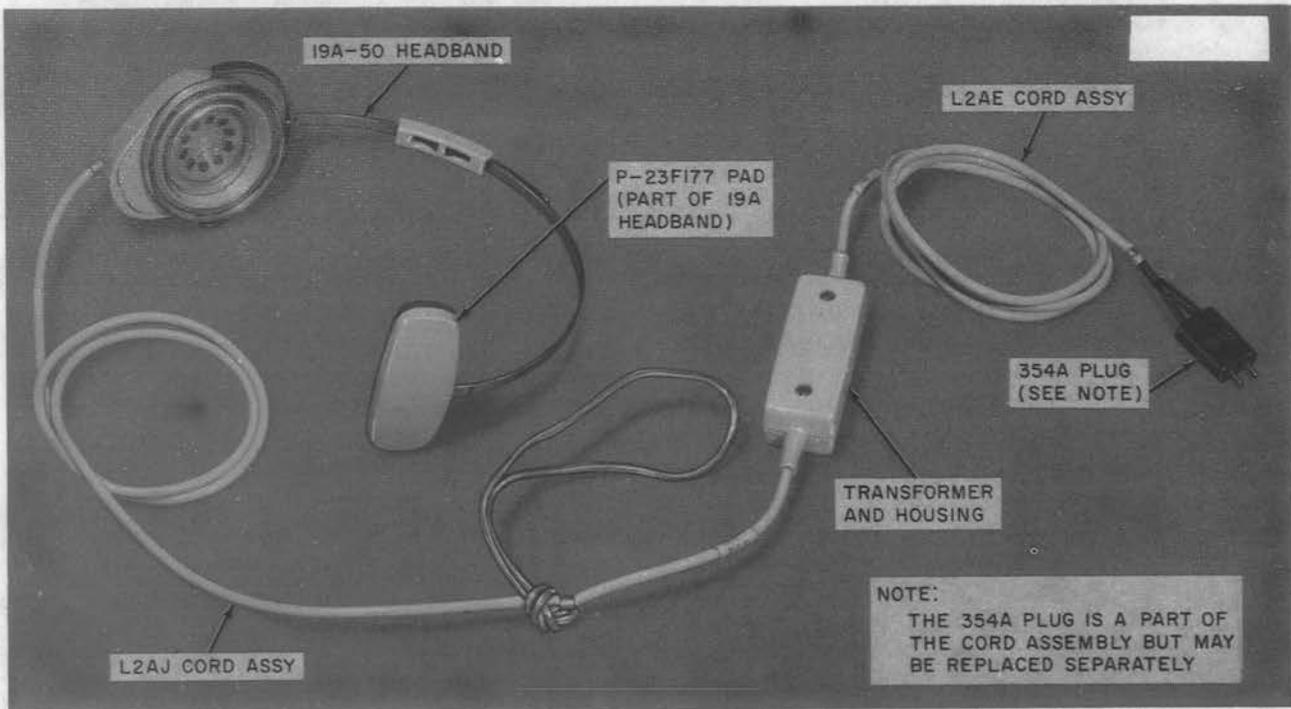


Fig. 1—1023A-Type Headset

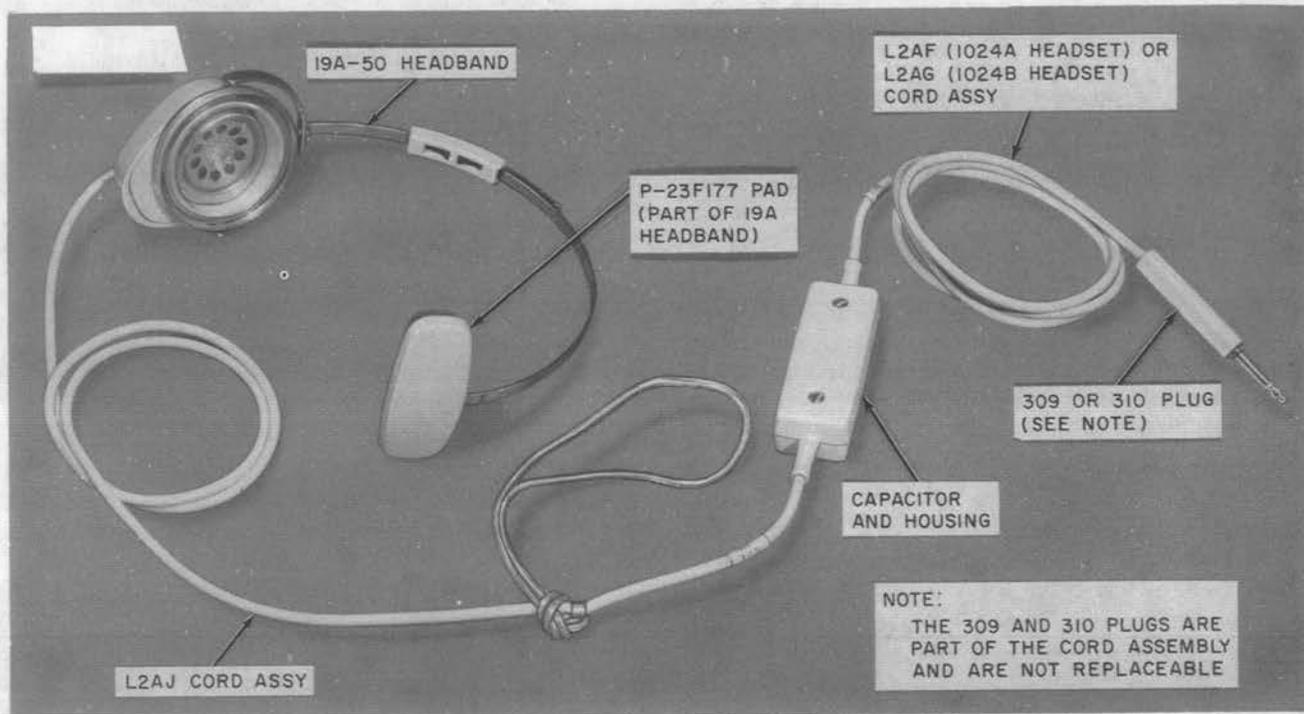


Fig. 2—1024A- and 1024B-Type Headsets

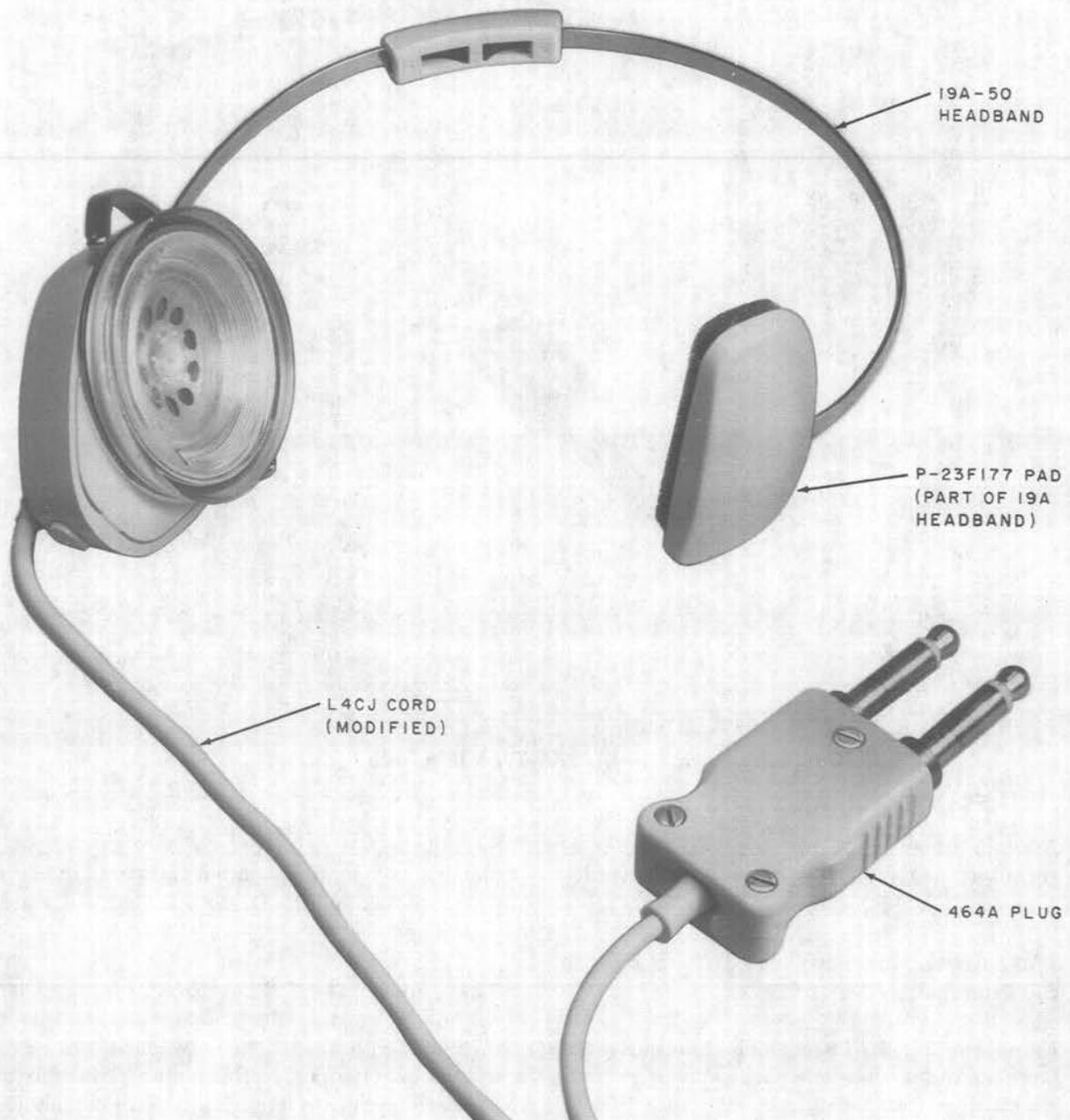


Fig. 3—1026A-Type Headset

- (4) Substitute the new unit, and connect the lead terminals. Dress the leads not to pinch.
- (5) Replace the receiver cap.

3.04 Transformer and Terminal Board Assembly:
 Fig. 6—To replace the assembly, proceed as follows.

- (1) Using the 3-inch C screwdriver, remove the housing screws and the cover.
- (2) Using the KS-2348 screwdriver, remove the terminal screws, the transformer, and the terminal board assembly.
- (3) Substitute the new transformer and terminal board assembly, and connect the leads as shown in Fig. 8.

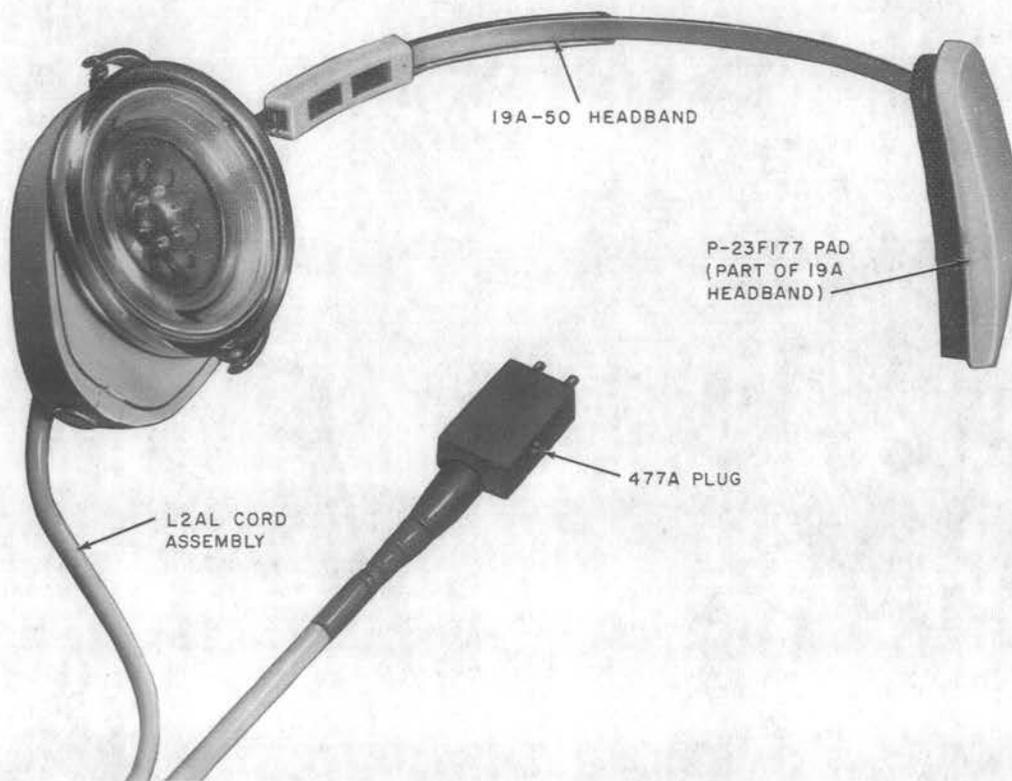


Fig. 4—1027A-Type Headset

(4) Assemble the parts in the reverse order of removal. Dress the leads as originally positioned.

3.05 596C Capacitor: Fig. 7—To replace the capacitor, proceed as follows.

- (1) Using the 3-inch C screwdriver, remove the housing screws and the cover.
- (2) Using the KS-2348 screwdriver, remove the terminal screws and the capacitor.
- (3) Substitute the new capacitor, and connect the leads as shown in Fig. 9.
- (4) Assemble the parts in the reverse order of removal. Dress the leads as originally positioned.

3.06 L2AJ Cord Assembly: Fig. 1 and 2—Disconnect the cord at the receiver unit end as covered in 3.03. Disconnect the cord at the transformer or capacitor end as covered in 3.04 or 3.05.

Substitute the new cord, and connect it as shown in Fig. 7 or 8. Reassemble the parts in the reverse order of removal. Dress the leads as originally positioned.

3.07 L2AE Cord Assembly: Fig. 1—Disconnect the cord at the transformer end as covered in 3.04. Substitute the new cord, and connect it as shown in Fig. 7. Reassemble the parts in the reverse order of removal. Dress the leads as originally positioned.

3.08 L2AF or L2AG Cord Assembly: Fig. 2—Disconnect the cord at the capacitor end as covered in 3.05. Substitute the new cord, and connect it as shown in Fig. 8. Reassemble parts in the reverse order of removal. Dress the leads as originally positioned.

3.09 L4CJ Cord: To replace the L4CJ cord (Fig. 10 and 11), proceed as follows.

- (1) At the receiver end, unscrew the cap from the housing assembly.

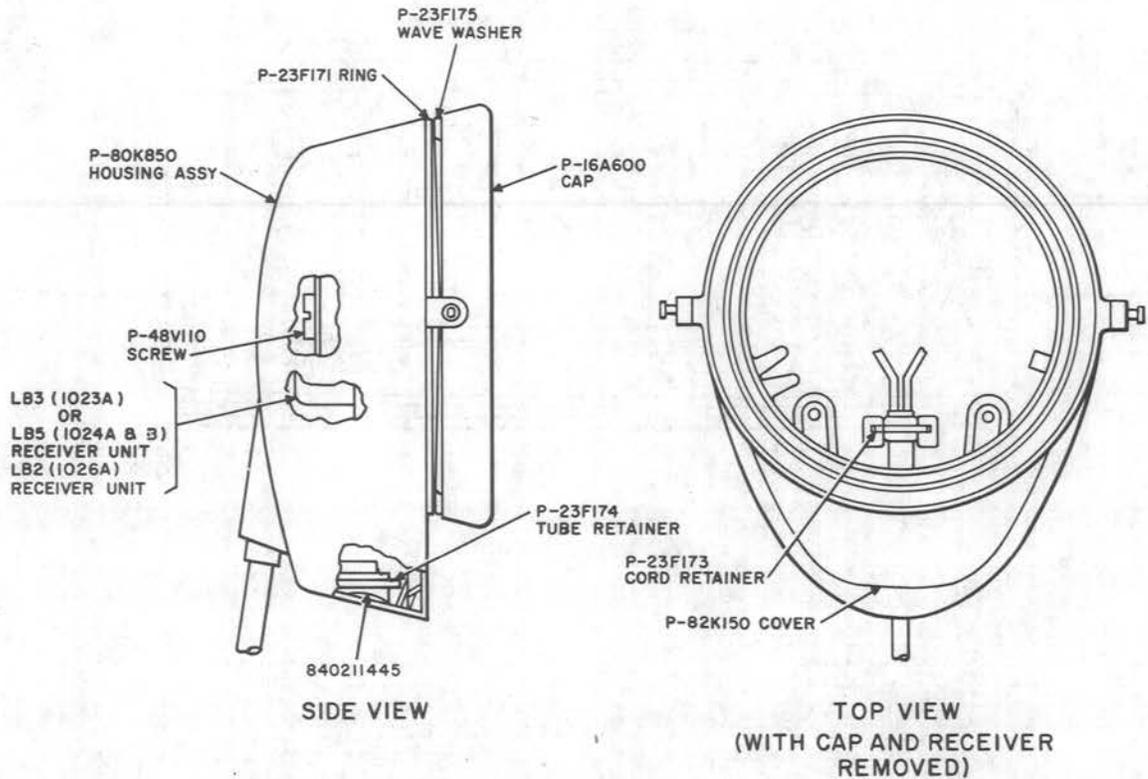


Fig. 5—Housing Assembly Cap and Receiver Unit

- (2) Using the KS-2348 cord repair screwdriver, disconnect the cord terminal screws.
- (3) At the plug-end using the KS-6854 screwdriver, remove the plug clamp screws.
- (4) Using the KS-2348 cord repair screwdriver, disconnect the cord terminals from the plug.
- (5) Prepare L4CJ cord as follows.
 - (a) Remove shielded conductor by cutting flush with jacket.
 - (b) At the plug-end, clinch one P-16E891 cord tip on each conductor with an RS-16468 cord tip tool. (Use the old cord as a guide.)

If this procedure is inconvenient, a new cord and plug may be ordered under COMCODE No. 840402382.

- (6) Replace cord and connect as shown in Fig. 11.

- (7) Reassemble the parts in the reverse order of removal.

3.10 **L2AL Cord**

- (1) At the receiver end, unscrew the cap from the housing assembly.
- (2) Using the KS-2348 cord repair screwdriver, disconnect the cord terminal screws.
- (3) At the plug end using the KS-6854 screwdriver, remove the plug clamp screws.
- (4) Using the KS-2348 cord repair screwdriver, disconnect the cord terminals from the plug.
- (5) Replace cord, and connect as shown in Fig. 12.
- (6) Reassemble the parts in the reverse order of removal.

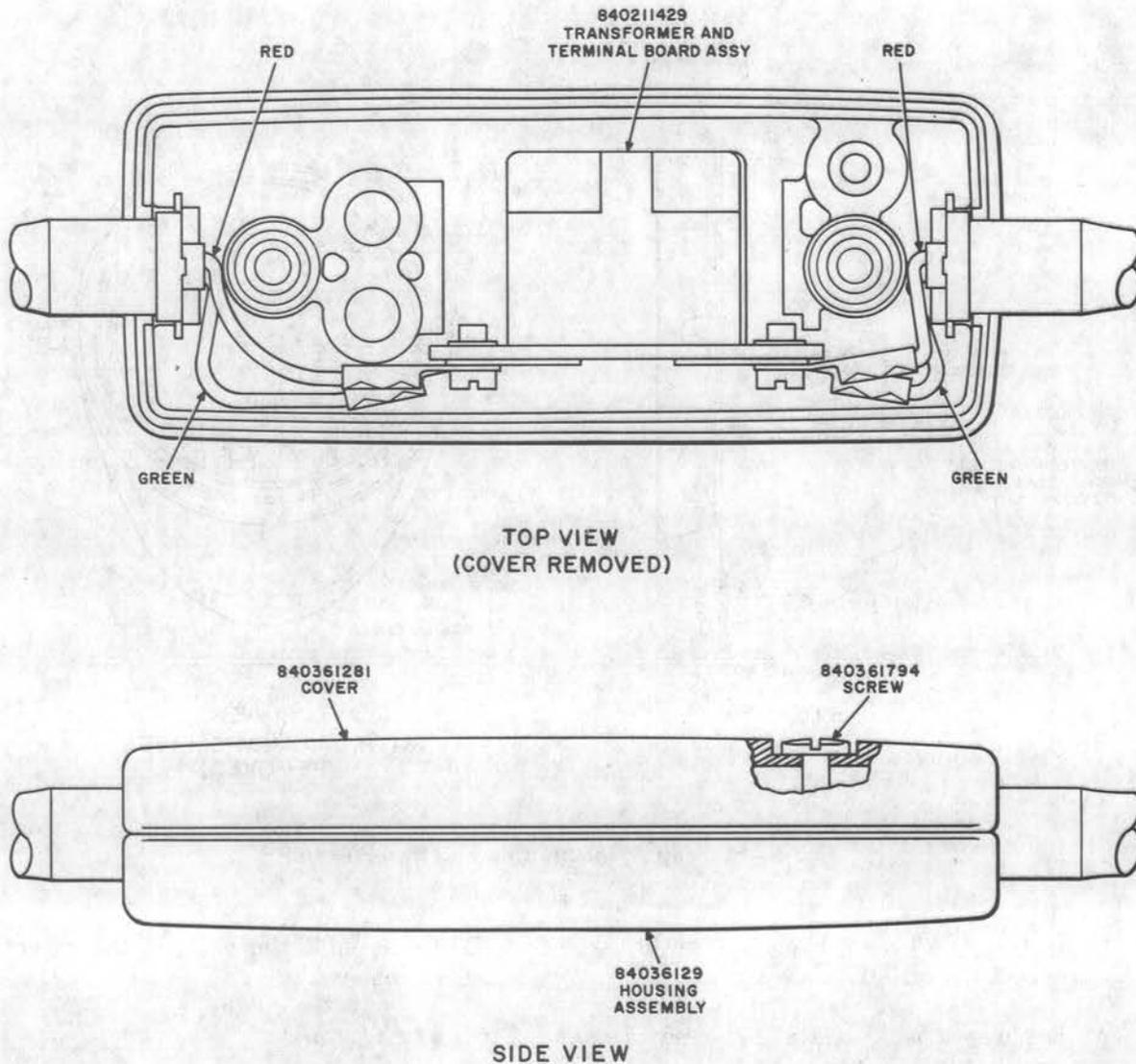


Fig. 6—Transformer Housing Assembly and Cover (Part of 1023A Headset)

3.11 Headband Pad: Fig. 1 and 2—To replace the headband pad, remove the old pad from the headband. Remove the paper from the sensitive backing of the new pad, and substitute for the old pad.

4. CLEANING PROCEDURES

PLUGS

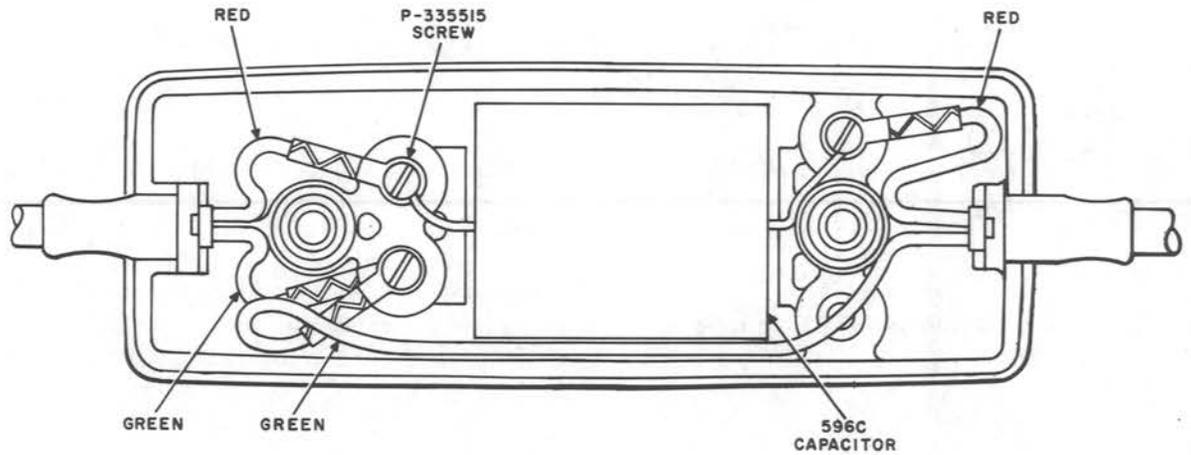
4.01 Clean plugs in accordance with the appropriate sections in Division 069.

HOUSING ASSEMBLIES AND RECEIVER CAPS

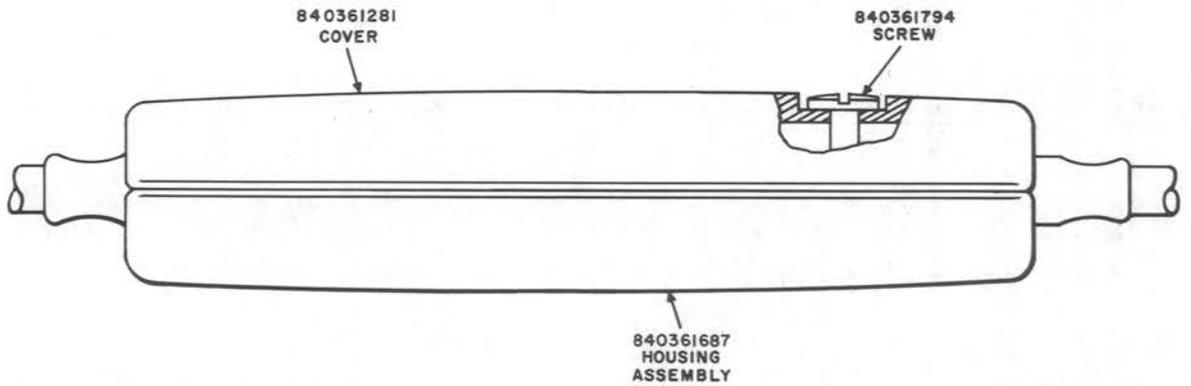
4.02 Shake or blow dirt and dust out of the housing assemblies with the R-8950 syringe, and wipe the exteriors with a cloth slightly dampened with water.

Caution: Do not use alcohol base cleaner as this will attack the housing assemblies and cap material and may render the set flammable.

4.03 Remove caps which are dirty, and wash in a solution of soap and lukewarm water. If



TOP VIEW
(COVER REMOVED)



SIDE VIEW

Fig. 7—Capacitor Housing Assembly and Cover (Part of 1024A and 1024B Headsets)

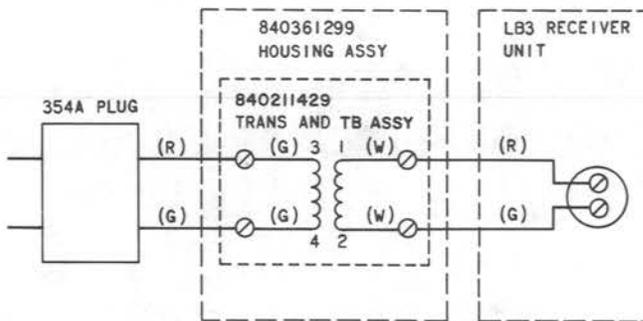


Fig. 8—1023A Headset Connecting Diagram

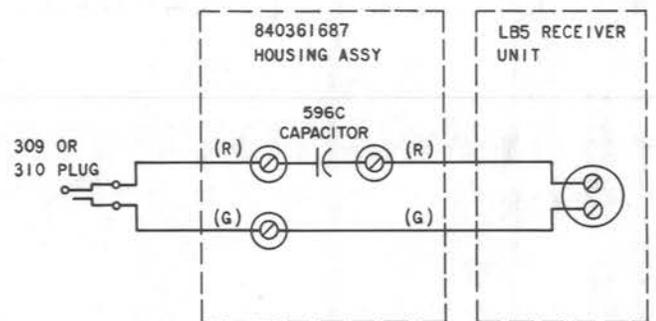


Fig. 9—1024A and 1024B Headsets Connecting Diagram

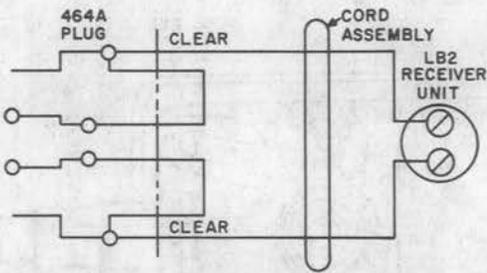


Fig. 10—Modification of the L4CJ Cord

the caps cannot be released for washing, wipe them with a clean, dry KS-2423 cloth.

HEADBAND PAD

4.04 Wipe with a clean KS-2423 cloth slightly dampened with a solution of mild detergent and water. Care should be exercised when wiping the pad so water will not get on the inside surface of the pad at the end. Allow to dry before using.

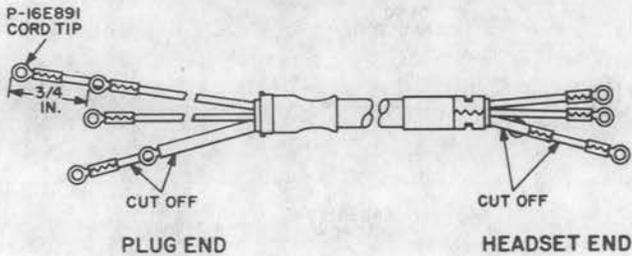


Fig. 11—1026A Headset Connecting Diagram

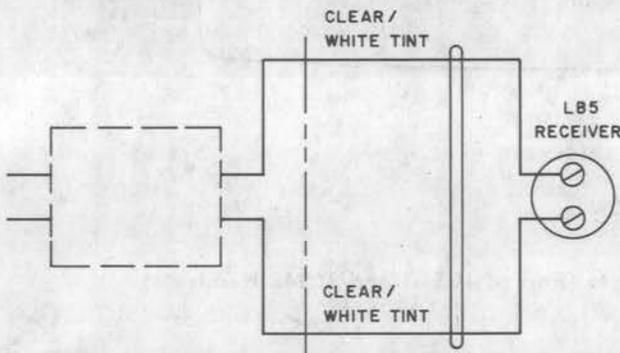


Fig. 12—1027A Headset Connecting Diagram