

1023A-, 1024A-, 1024B-, AND 1026A-TYPE HEADSETS VISUAL INSPECTIONS AND ELECTRICAL TESTS

1. GENERAL

1.01 This section covers the inspection and tests necessary for the maintenance of the 1023A-, 1024A-, 1024B-, and 1026A-type headsets.

1.02 This section is reissued to include the 1026A-type headset. This reissue affects the Equipment Test List.

1.03 The 1023A headset (Fig. 1) is designed for monitoring 2400- and 2600-Hz tone signals used to trigger automatic severance of toll trunk connections at the end of a long distance call. It is intended for 600 ohm lines and presents a 20,000-ohm impedance to the line to minimize loading.

1.04 The 1024A and 1024B headsets (Fig. 2) are designed to permit a peg count analyst to

plug into a multiple answering appearance of an incoming dial "0" trunk ahead of the answering operator to determine the class of call by listening to the customer request.

1.05 The 1026A headset (Fig. 3) is designed as an alternative to the 1020B dual headset for use at the service observing desk. The 1026A headset parallels both service observing channels at a given position and applies them to a single receiver unit. The 1026A is also ivory colored (-50).

1.06 The 1023A headset consists of an LB3 receiver unit mounted in a P-80K850 housing assembly, an L2AJ cord, an 840211429 transformer and terminal board assembly mounted in an 840361299 housing assembly and 840361281 cover, an L2AE cord equipped with a 354A plug, and a 19A headband.

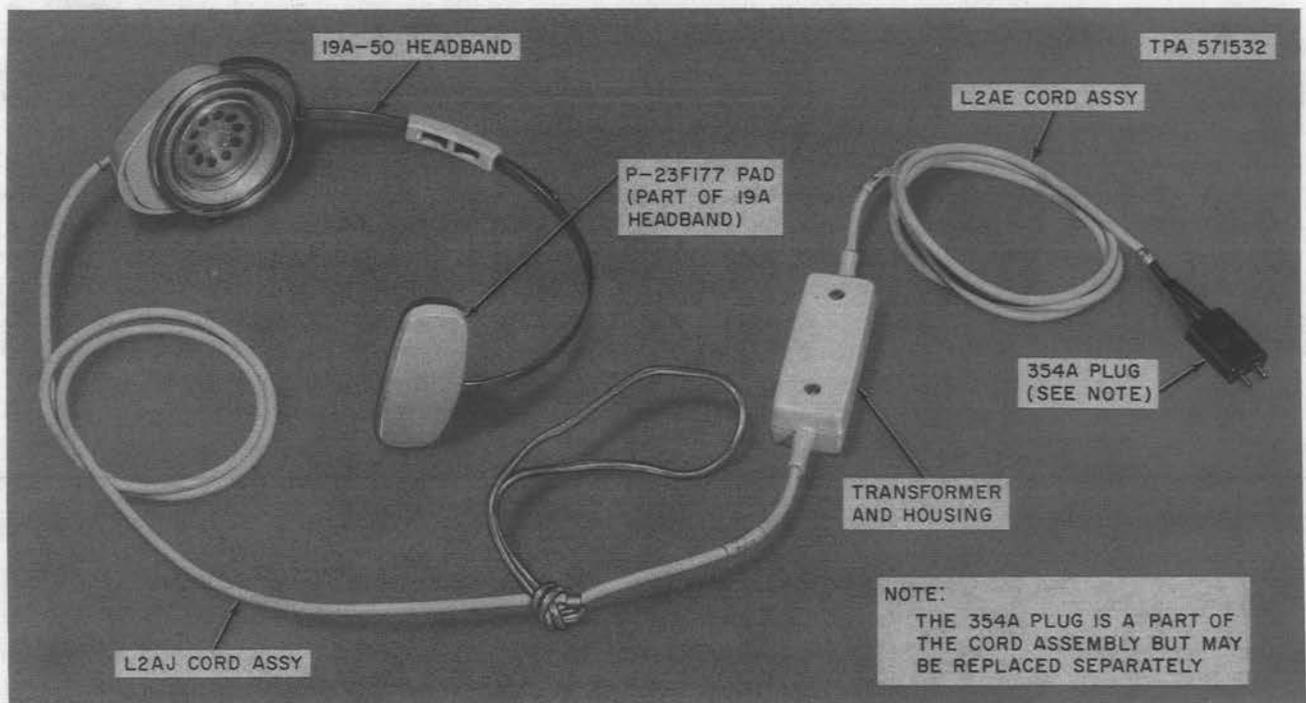


Fig. 1—1023A-Type Headset

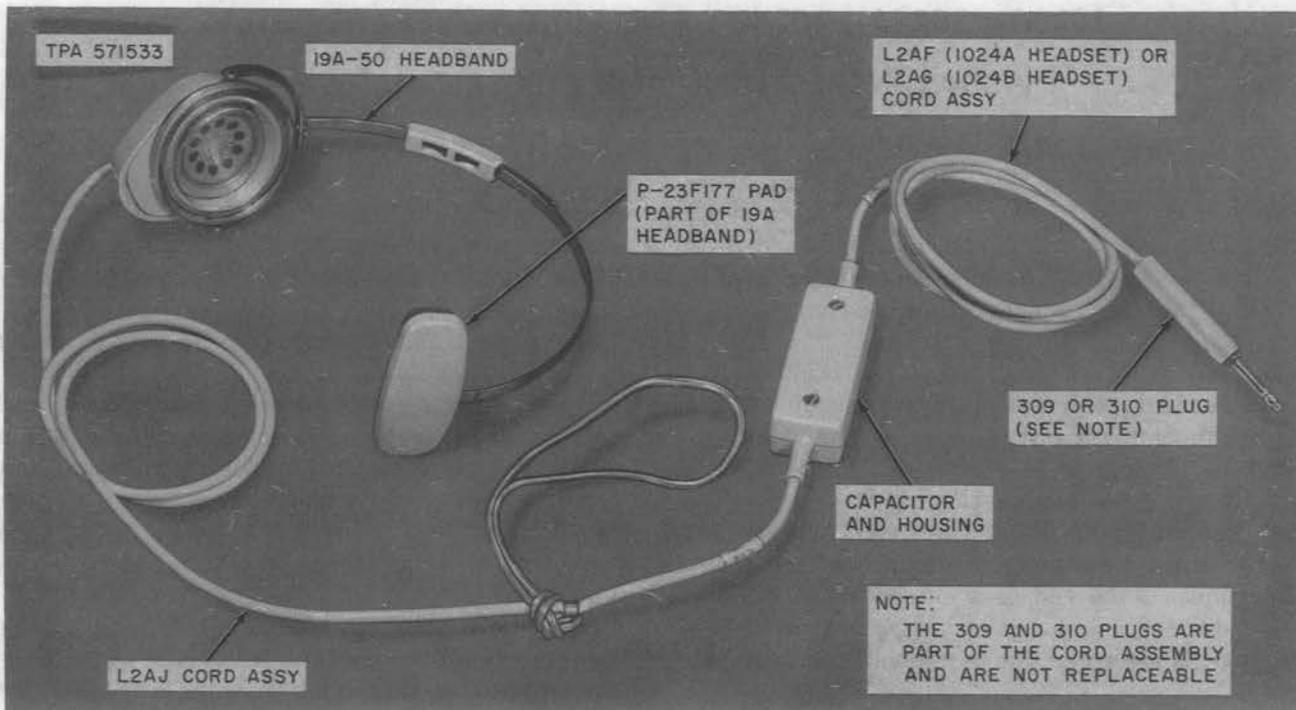


Fig. 2—1024A- and 1024B-Type Headsets

1.07 The 1024A headset consists of an LB5 receiver unit mounted in a P-80K850 housing assembly, an L2AJ cord, a 596C capacitor mounted in an 840361687 housing assembly and 840361281 cover, an L2AF cord equipped with a 309A plug, and a 19A headband. The 840361687 housing assembly is equipped with pin jacks to permit bridging of a second receiver. The 1024A headset is intended for use on 92-type jack boards.

1.08 The 1024B headset consists of an LB5 receiver unit mounted in a P-80K850 housing assembly, an L2AJ cord, a 596C capacitor mounted in an 840361687 housing assembly and 840361281 cover, an L2AG cord equipped with 310A plug, and a 19A headband. The 840361687 housing assembly is equipped with pin jacks to permit bridging of a second receiver. The 1024B headset is intended for use on 49-type jack boards.

1.09 The 1026A headset consists of an LB2 receiver unit mounted in a P-80K850 housing assembly, a modified L4CJ cord, a 464A plug, and a 19A headband.

1.10 See Section 028-371-811 for piece-part data and replacement procedures.

1.11 Spare headsets should be substituted for sets which are reported as being in trouble several times during a period of 30 days, and which the tests and inspections covered herein have disclosed no defects. These sets should be referred to the supervisor for disposition.

2. VISUAL INSPECTION

2.01 Inspect the headset by following the procedures listed below.

STEP	ACTION	VERIFICATION
1	Inspect for the presence of all parts. (See Fig. 1 and 2.)	Replace headset or parts.
2	Inspect for soiled, cut, crushed, kinked, or abraded cord.	Clean or replace defective cord.

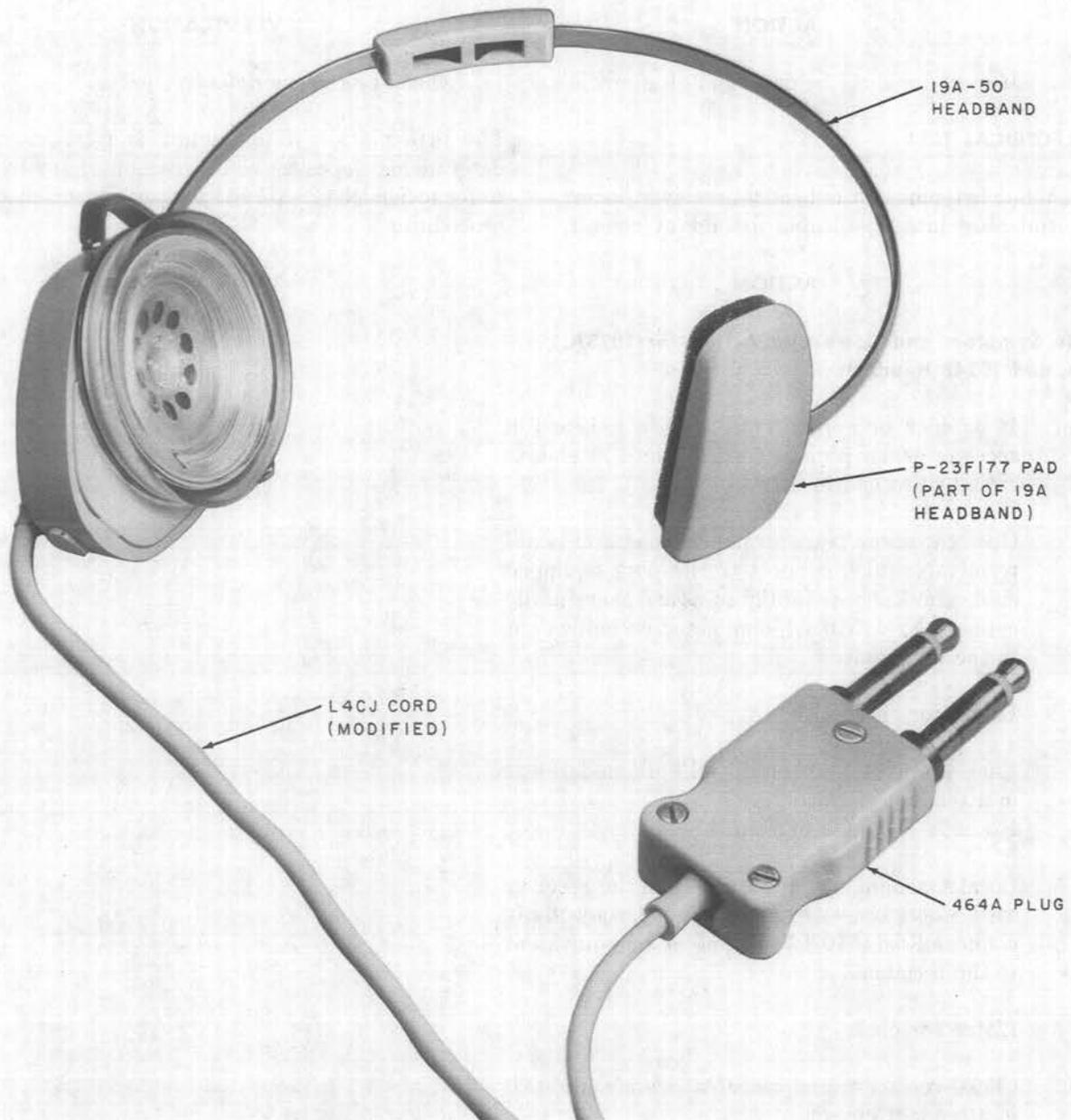


Fig. 3—1026A-Type Headset

STEP	ACTION	VERIFICATION
3	Inspect for stained, broken, cracked, or clipped plastic parts.	Replace headset or defective parts.
4	Inspect headband for loose yoke; missing, dirty, or damaged pad; or loose band.	Clean or replace defective parts.

SECTION 028-371-501

STEP	ACTION	VERIFICATION
5	Inspect for dirty or damaged plug profiles.	Clean or replace defective parts.
3. ELECTRICAL TEST		The information listed below is given to aid in determining the cause and correction of any troubles. Refer to Section 028-371-811 for piece-part replacement procedures.
3.01	While listening in the headset receiver, insert the plug into a suitable attendant circuit.	

STEP	ACTION	VERIFICATION
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Trouble Symptom and Corrective Action for 1023A, 1024A, and 1024B Headsets

- 1 If no click or normal circuit noise is heard in receiver when plug is inserted into attendant circuit—proceed to Step 2.
- 2 Open capacitor/transformer housing and locate terminals which connect to the plug equipped cord. Check screws for tightness and momentarily connect KS-14510 L1 ohmmeter or equivalent to the terminals.

Listen for click:

Click—replace plug equipped cord and retest in attendant circuit.
No click—proceed to Step 3.
- 3 Locate terminals which connect to the receiver cord. Check screws for tightness and momentarily connect KS-14510 L1 ohmmeter or equivalent to the terminals.

Listen for click:

Click—replace transformer/capacitor and retest in attendant circuit.
No click—proceed to Step 4.
- 4 Remove receiver unit from housing and check terminal screws for tightness. Momentarily connect KS-14510 L1 ohmmeter or equivalent to receiver unit terminals.

Listen for click:

Click—replace L2AJ cord and retest in attendant circuit.
No click—replace receiver unit and retest in attendant circuit.

▶ Trouble Symptom and Corrective Action for 1026A Headset

STEP	TROUBLE SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
1	No click.	Loose connections at receiver end or plug end.	Check and tighten connections.
		Defective cord.	Replace.
		Defective plug.	Replace.
		Defective receiver.	Replace. ◀