

60-TYPE HEAD TELEPHONE SETS

VISUAL INSPECTION AND ELECTRICAL TESTS

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1. GENERAL

1.01 This section describes the method of making visual inspections and electrical tests of 60-type head telephone sets.

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 significant changes. Equipment Test Lists are not affected.

- (1) To add 60D head telephone set
- (2) To add Fig. 3
- (3) To revise Fig. 1 and 2.

1.03 The 60A (Fig. 1), 60B (Fig. 2), and 60D (Fig. 3) head telephone sets are supported by a lightweight, adjustable headband. The housings contain an LB-type receiver unit, a 104A varistor, and an AE1 transmitter unit. Sound is transmitted from the mouth to the transmitter by means of a clear plastic tube which can be rotated and adjusted for length.

1.04 The 60A head telephone set is equipped with an L4CJ straight cord and a 280A-50 amplifier. The 60B head telephone set is equipped with an L4CL cord to a 281A-50 or 281B-50 amplifier, and an L4CM cord from the 281A-50 or 281B-50 amplifier

to the 464A-50 plug. The 60D head telephone set is equipped with an L4CL cord to a 281A-50 or 281B-50 amplifier and an L4CS cord from the 281A-50 or 281B-50 amplifier.

1.05 For piece-part data and replacement procedures see Section 028-362-801.

1.06 The 60-type head telephone sets provide proper transmission levels when used on loops which do not exceed the Resistance Design Limit of 1300 ohms. When the head telephone sets are used with telephone sets or PBX consoles which contain internal transmit amplifiers, a 52- or 53-type head telephone set should not be placed in parallel as the low impedance of the carbon transmitter will seriously reduce the gain of the head telephone set amplifier.

1.07 The head telephone sets are designed to withstand normal handling and use; however, excessive mechanical abuse, such as raps against a hard surface, can damage components of the head telephone sets. When not in use the head telephone sets should be stored in the pouch provided.

1.08 Do not attempt to make repairs to the amplifier, speech tube assembly, or transmitter and boot assembly. These items should be returned in accordance with local instructions to the Western Electric Company.

1.09 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 referred to the supervisor for disposition.

NOTICE

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

SECTION 028-362-501

1.10 It is recommended that spare speech tubes be kept on hand locally to replace broken or lost speech tubes.

Section 028-362-801 for piece-part replacement procedure.

2. VISUAL INSPECTION

2.01 Inspect the head telephone sets by following the procedures listed below. Refer to

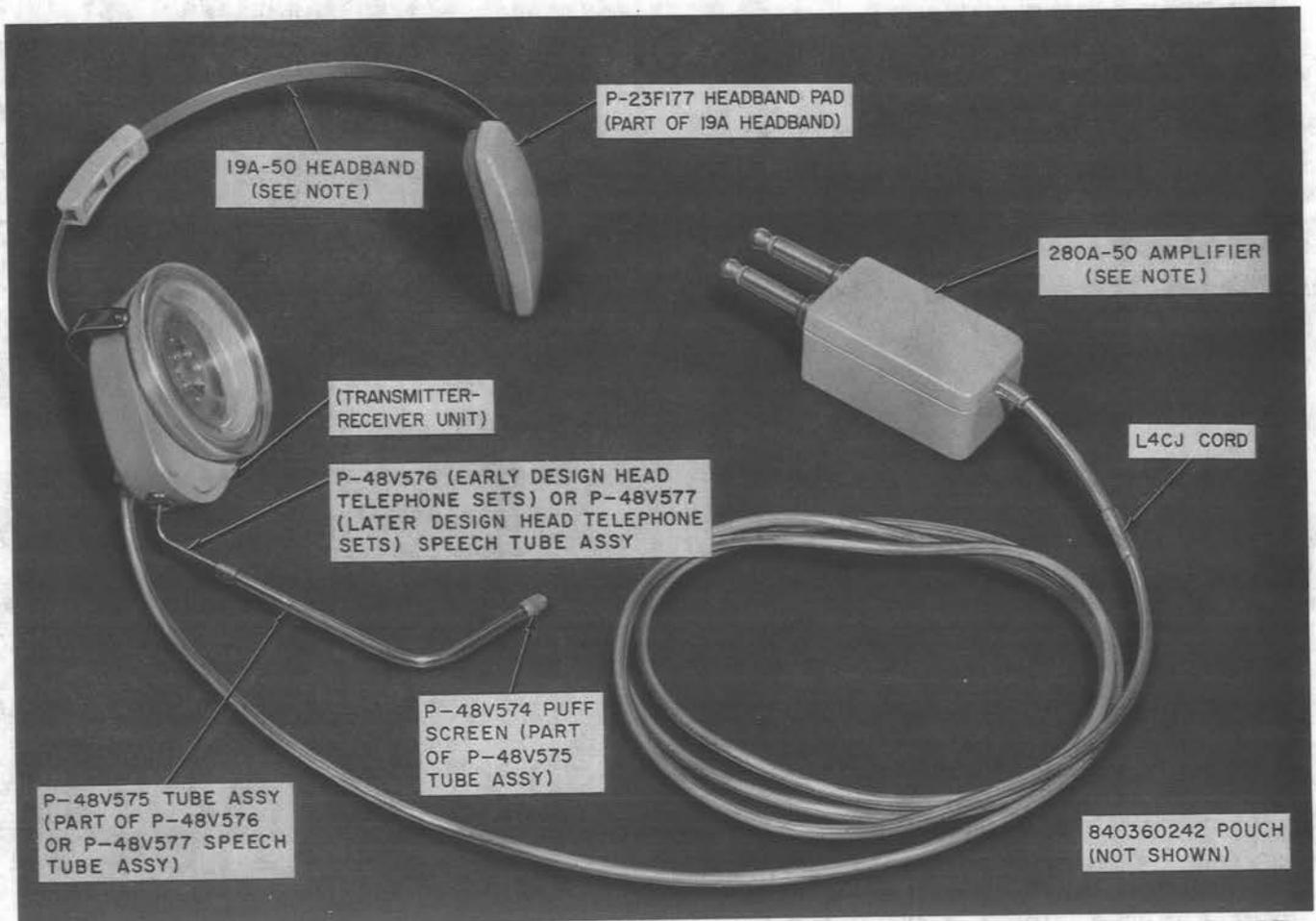
INSPECTION

STEP	TEST	CORRECTIVE ACTION
1	Inspect for the presence of all parts (See Fig. 1, 2, and 3)	Replace head telephone set or parts
2	Inspect for soiled, cut, crushed, kinked, or abraded cord and wrist loop (if used)	Clean or replace defective cord. Replace all transparent cords with ivory jacketed nylon insulated conductor cords.
3	Inspect for stained, broken, cracked, or clipped plastic parts	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 headband for loose yoke; missing, dirty or damaged pad; missing or loose band.	Clean or replace defective parts
6	Inspect for dirty or damaged plug profiles	Clean or replace defective parts
7	Inspect 281A or 281B amplifier switches for easy operation and locking.	Replace defective switch.

3. ELECTRICAL TEST

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.

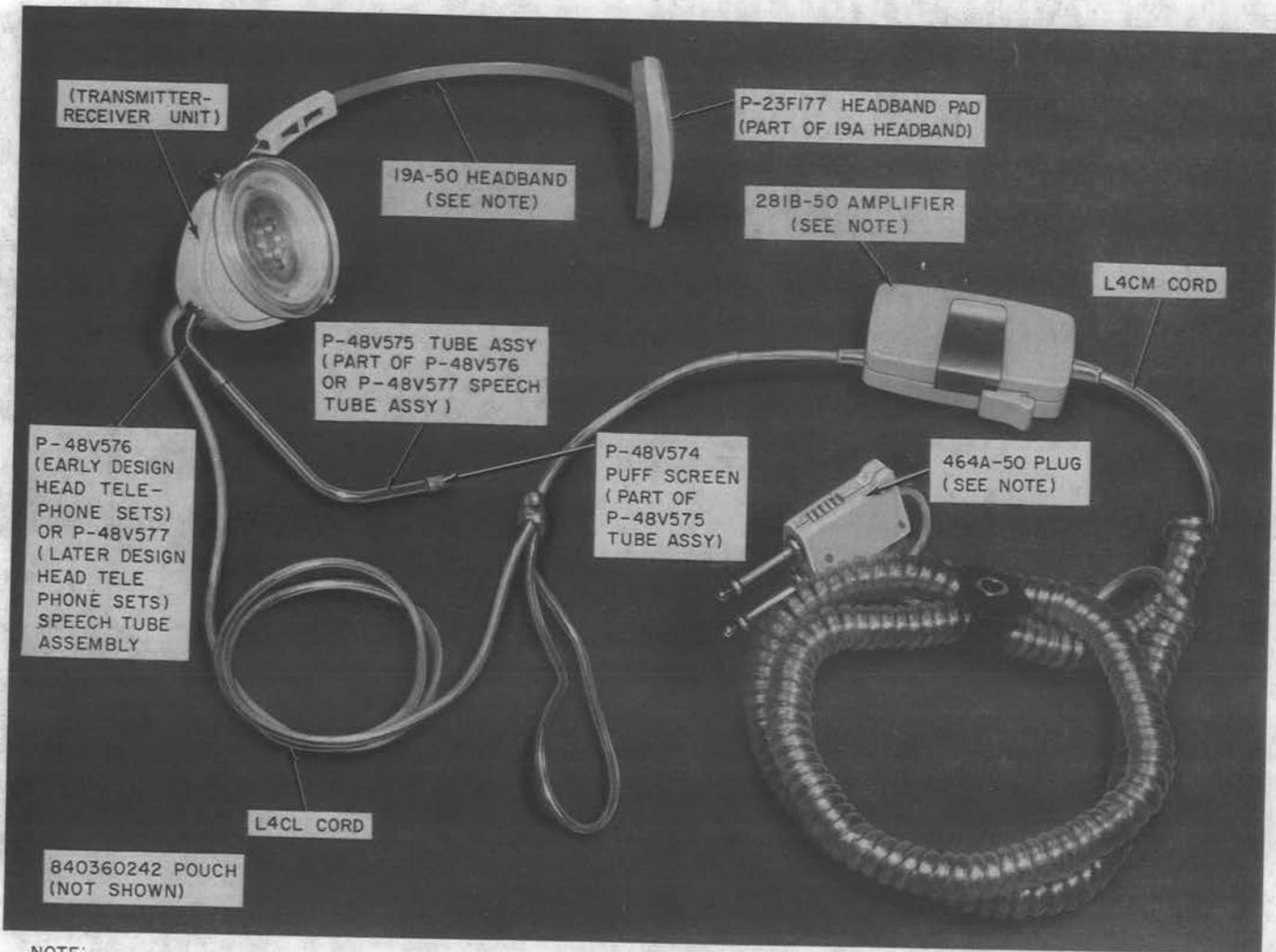
3.01 Connect the head telephone set to suitable attendant circuit and activate. Talk, whistle, or blow into speech tube. Reverse the head telephone set plug and repeat. The information listed below is given to aid in determining the cause and correction of any troubles. Refer to Section 028-362-801 for piece-part replacement procedures.



NOTE:
THE SUFFIX -50 INDICATES IVORY COLOR.

Note: The suffix -50 indicates ivory color.

Fig. 1—60A Head Telephone Set



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Fig 2—60B Head Telephone Set

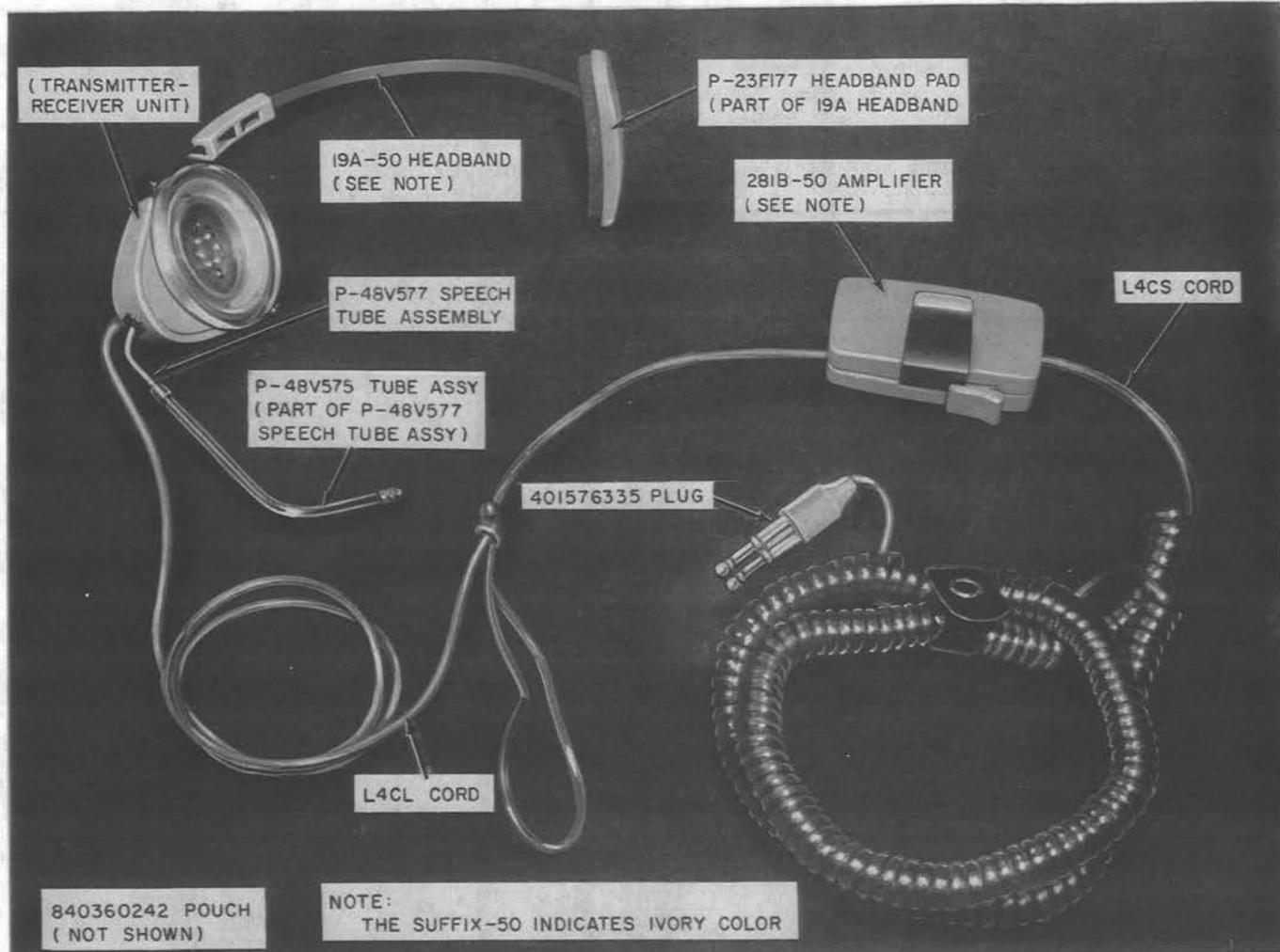


Fig. 3—60D Head Telephone Set

TROUBLE SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
1 No sidetone, intermittent sidetone, normal circuit noise heard in receiver	Loose connections in transmitter-receiver unit, amplifier switch (if used), or plugs	Check and tighten connections.
	Defective cord	Replace
	Defective transmitter unit	Replace
	Defective amplifier	Replace
2 No sidetone, normal circuit noise not present at receiver.	Loose connections in transmitter-receiver unit, amplifier switch (if used), or plugs	Check and tighten connections
	Defective cord	Replace
	Defective receiver unit	Replace
3 No sidetone when telephone set plug is reversed.	Defective amplifier	Replace
4 Receiver noisy when cord is twisted or shaken.	Defective cord	Replace
5 Crackling noises in receiver when switch on 281A amplifier is operated.	Defective switch	Replace