

**BELL SYSTEM PRACTICES**  
**Station Installation and Maintenance**

**SECTION C32.204**  
**Issue 1, April, 1954**  
**AT&T Co Standard**

## **G4A HANDSET**

### **(SHOULDER REST HANDSET)**

#### **1. GENERAL**

- 1.01 This section covers the G4A handset which is equipped with a pedestal for use as a shoulder rest.
- 1.02 Information pertaining to description, use, cording, maintenance, and supplies for the G4A handset is contained in this section.

#### **2. DESCRIPTION AND USE**

- 2.01 The G4A handset as shown in Fig. 1 consists of a G-type handle, equipped with two tubular inserts in its back to hold the pins of a shoulder rest. This shoulder rest is designed



**Fig. 1—G4A Handset**

to enable its user to hold the handset on either shoulder without using his hands as shown in Fig. 2. The shoulder support assembly in position for insertion into the handset for use on the left shoulder is shown in Fig. 3.



**Fig. 2—G4A Handset—Shown on the Left Shoulder**

2.02 The shoulder support assembly consists of a thermo-plastic frame designated pedestal assembly, a rubber pad, filler for the rubber pad, retaining ring, two pins, spring, retaining plate, and two brass machine screws.

2.03 The G4A handset is designed for use with the 500-type telephone set only. Since the shoulder support assembly extends approximately 3-1/2 inches from the handle, an attempt to install it in a hanging position could prove dangerous to the public and the equipment.

### **3. CORDING AND MAINTENANCE**

3.01 To remove the cord from the G4A handset or to remove and reassemble the transmitter and receiver, follow instructions set down for the G1A-type handset in Section C32.275, "Handsets, Maintenance."

3.02 Because the inserts in the handle partly obstruct the cord passage, the procedure for **placing** a cord onto a G4A handle differs from the G1A-type and the following steps should be taken: Using a stiff piece of wire, make a loop in the

end as shown in Fig. 4. Feed the wire through the handle between the two inserts. Make sure that the wire is not between



**Fig. 3—Shoulder Support Assembly before Insertion into Handle**



**Fig. 4—Feeding Cord into Handle Assembly**

an insert and the side of the handle because the cord tips will not fit through this small space. Then place the ends of the receiver conductors through the loop as shown in Fig. 4 and feed into the handle while pulling in from the other end.

**3.03 Replacing Defective Cord:** Tie a pull wire or string to the receiver conductors of the defective cord before they are pulled out of the receiver well. Pull the defective cord with the pull wire or string out of the handset. Then tie the pull wire or string to the ends of the receiver conductors of the new cord and pull them into place in the receiver well.

#### 4. PIECE PARTS

4.01 All parts of the G4A handset with the exception of the handle and shoulder support assembly are interchangeable with the G1A-type handset.

4.02 The following list includes repair parts for maintenance replacements:

- P-19B929: Handle Assembly** (handle with inserts)
- P-13A785: Filler** (fits under rubber pad)
- P-19B930: Shoulder Support Assembly** (complete shoulder rest)
- P-19B931: Rubber Pad** (rests against the shoulder)
- Screw, Brass FHM, 0.125-40 by 5/16 inch long** (assembles back plate, spring, pins, and retaining plate)

