

TB SIG 286

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

HEADSET H - 113 / U

Department of the Army, Washington 25, D. C.

18 October 1955

1. Scope. This bulletin provides instructions for the installation, operation, and maintenance of Headset H-113/U.

2. Forms and Records. The following forms will be used for reporting unsatisfactory conditions of this headset:

a. DD Form 6 (Report of Damaged or Improper Shipment) will be filled out and forwarded as prescribed in SR 745-45-5 (Army) ; Navy Shipping Guide, Article 1850-4 (Navy) ; and AFR 71-4 (Air Force).

b. DA Form 468 (Unsatisfactory Equipment Report) will be filled out and forwarded to the Office of the Chief Signal Officer as prescribed in SR 70045-5.

c. DD Form 535 (Unsatisfactory Report) will be filled out and forwarded to Commanding General, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio, as prescribed in SR 70045-5 and AF TO 00-35D-54.

d. Use other forms and records as authorized.

3. Purpose and Use. Headset H-113/U is designed for use under the regular steel helmet or the armored vehicle crash helmet. It is used principally with radio equipment, but can be used with wire equipment to which the characteristics of the headset are adaptable.

4. Description. Headset H-113/U (fig. 1) consists of two earphones which are mounted on an adjustable headband, and a connecting cord and plug. The earphones are provided with rubber ear cushions. The cord extends approximately 18 inches from the right-hand earphone, and is terminated in a plug. The headset has an impedance of 600 ohms at 1,000 cycles per second.

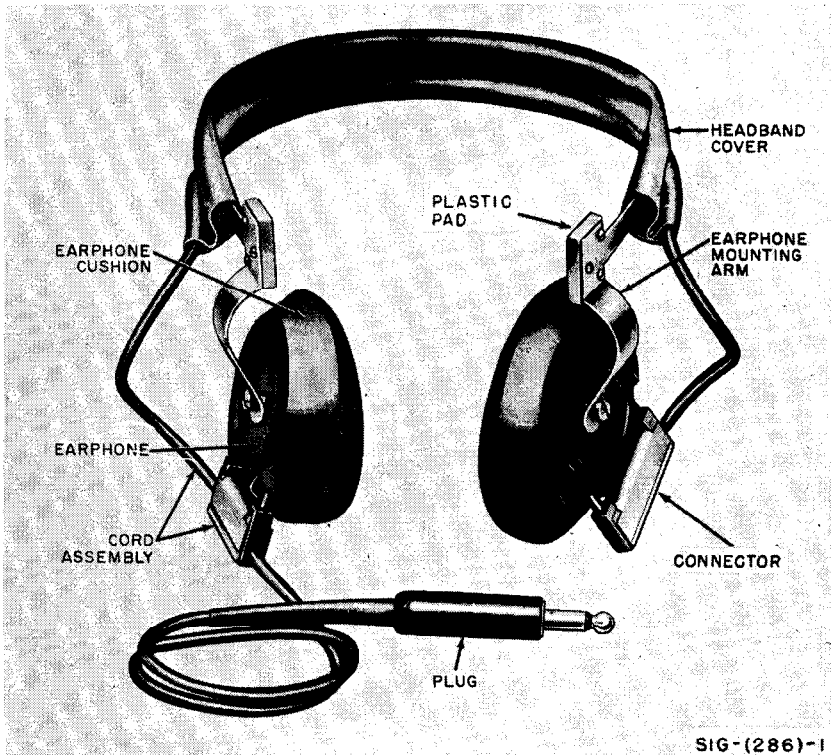


Figure 1. Headset H-113/U.

5. Packaging Data. Headset H-113/U is wrapped in cushioning material. It is then inclosed in a close fitting carton.

6. Installation and Operation. a. Place the headset on the head with the plastic mounting arm pads toward the front of the head. Adjust the headset by sliding the earphone mounting arms up or down on the headband until the earphone cushions are positioned securely over the ears.

b. Insert the plug on the end of the cord into the jack which is connected to the radio or wire equipment.

c. Headset H-113/U is designed for operation in temperatures from 65° below zero to 132° above zero. It is moistureproof and fungus resistant.

7. Preventive Maintenance Techniques. a. Use a clean, dry, lint-free cloth or a dry soft brush for cleaning.

b. If necessary, clean all parts except plug contacts, with a cloth or brush lightly moistened with solvent, dry cleaning (SD) ; then wipe the parts with a clean, dry, lint-free cloth.

c. Clean electrical contacts with a dry cloth and plug polish.

Caution: Do not push any sharp object through the holes in the earphones.

8. **Organizational Maintenance.** *a. Tools and Equipment.* The following tools and equipment are required for organizational maintenance of Headset H-113/U:

Screwdriver TL-455/U

Screwdriver TL-21

Open-end wrench, ¼-inch

Multimeter TS-297/U

b. *Maintenance Procedure.*

(1) Tighten loose connections and earphone mounting screws.

(2) Make electrical continuity check of cord assembly and earphones.

(3) Replace defective earphones.

9. **Field Maintenance.** *a. Tools and Equipment.* The following tools and equipment are required for field maintenance of Headset H-113/U :

Screwdriver TL-455/U

Screwdriver TL-21

Open-end wrench, ¼-inch

Screwdriver TL-523/U

Pliers TL-126

Pliers TL-103

Knife TL-29

Multimeter TS-352/U

Test Set 1-142, I-142-A, or I-142-B

b. *Maintenance Procedure.*

(1) Tighten loose connections and earphone mounting screws.

(2) Make electrical continuity check of cord assembly and earphones, using Multimeter TS-352/U.

(3) Replace defective earphones.

(4) Replace defective cord assembly.

(5) Replace defective plug.

(6) Replace headband.

(7) Make receiving efficiency test on headset as explained in TM 11-2062, Test Sets I-142, I-142-A, and I-142-B.