

TM 11-5965-262-13

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL AND DS MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOL LISTS

HEADSET-MICROPHONE H-161/U AND H-161A/U

This copy is a reprint which includes current
pages from Changes 1 and 2.

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HEADQUARTERS
 DEPARTMENT OF THE ARMY
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Organizational and DS Maintenance Manual Including Repair Parts and Special Tools List HEADSET-MICROPHONES H-161/U AND H-161A/U

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*This manual supersedes TM 11-5965-262-13, 18 May 1962, including C 1, 30 October 1962, C 2, 21 June 1963 and TM 11-5965-262-23P, 26 October 1962, including C 1, 5 October 1964.

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual describes Headset-Microphones H-161/U and H-161A/U (figs. 1-1 and 1-2) and covers their installation, operation, and organizational maintenance. It includes operation, cleaning and inspection of the equipment, and replacement of parts available to organizational and direct support maintenance personnel.

1-2. Indexes of Publications

a. DA Pam 310-4. Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. DA Pam 310-7. Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

1-3. Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment. Maintenance forms, records, and reports which are to be used by maintenance per-

sonnel at all maintenance levels are listed in and prescribed by TM 38-750.

b. Report of Packaging and Handling Deficiencies. Fill out and forward DD Form 6 (Report of Packaging and Handling Deficiencies) as prescribed in AR 700-58/NAVSUP PUB 378/AFR 71-4/MCO P4030.29, and DSAR 4145.8.

c. Discrepancy in Shipment Report (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33/AFM 75-18/MCO P4610.19A, and DSAR 4500.15.

1-3.1. Reporting of Errors Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms), and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-A, Fort Monmouth, NJ 07703.

Section II. DESCRIPTION AND DATA

1-4. Purpose and Use

Headset-Microphones H-161/U and H-161A/U provide facilities for transmission and reception of voice-frequency speech signals. They can be used with portable and vehicular radio sets in areas where background noise is medium to high. They can be worn under the M1 infantry helmet. Both models are similar, except that the H-161A/U eliminates more background noise.

1-5. Technical Characteristics

Frequency response 300 to 3,500cps.
Headset impedance 500 ohms.
Normal headset input level 56 dbm at 1,000 cps.

1-6. Table of Components

The components of Headset-Microphones H-161/U and H-161A/U are listed in the basic issue items list (appx III), and are illustrated in figures 1-1 and 1-2.

1-6.1. Items Comprising an Operable Equipment

Headset-Microphone H-161/U (FSN 5965-825-4871) and Headset-Microphone H-161A/U (FSN 5965-082-4037) each comprises an operable equipment.

1-7. Description of Headset-Microphones H-161/U and H-161A/U

(figs. 1-1 and 1-2)

Both units consist of two earphone cup assemblies, a headband assembly, microphone and boom assembly, neck strap-suspended chest set assembly (switch), retractile cable assembly, and a head-set card assembly. These assemblies are described below.

a. Earcup Assembly. The earcup assembly consists of an earphone, earphone retainer, transformer, earcup plate, and earcup cushion. The earcup and earcup plate are made of lightweight high impact plastic.

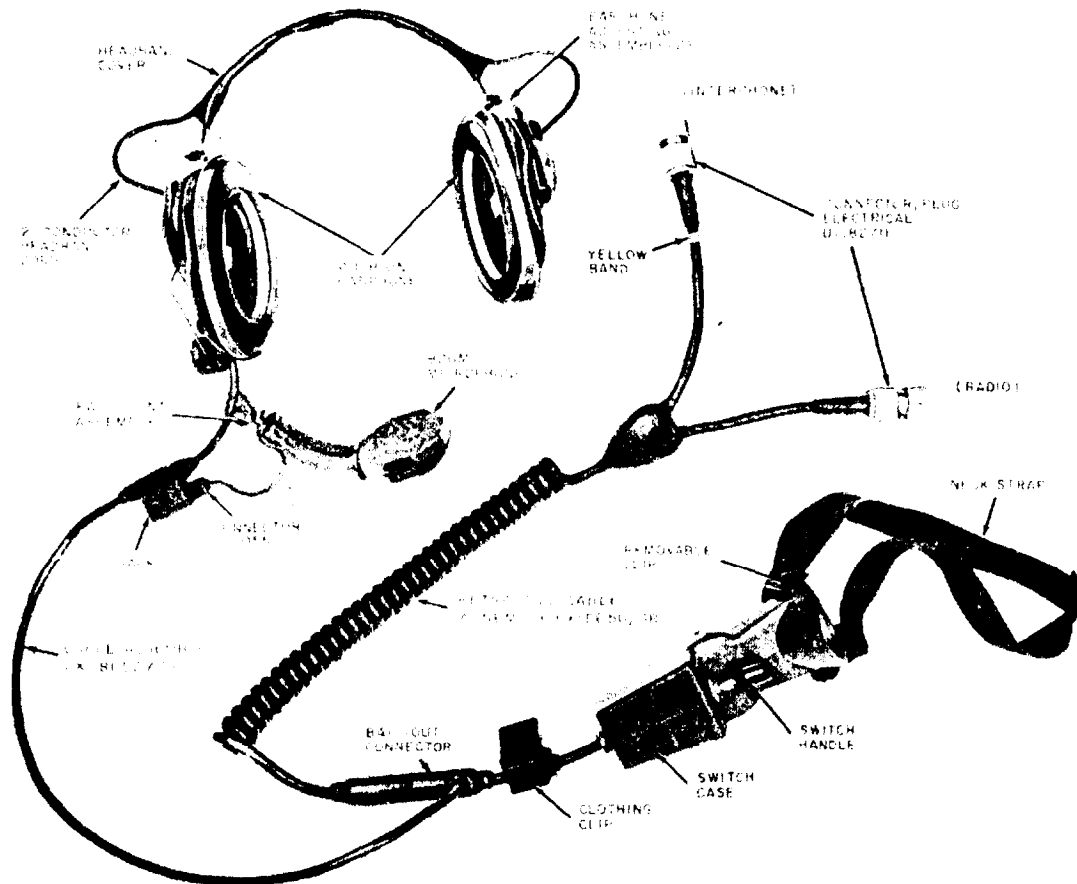
b. Microphone and Boom Assembly. The microphone and boom assembly holds the microphone close to the operator's lips, and helps eliminate background noise. The boom microphone case is made of lightweight high impact plastic.

c. Chest Switch Assembly. The chest switch assembly employs a three-position switch to select the circuit over which the user wishes to talk and listen.

1-8. Differences Between Models

(figs. 5-1 and 5-2)

Headset-Microphone H-161A/U is interchangeable with the H-161/U, but the H-161/U cannot be substituted for the H-161A/U. Connector, Plug, Electrical U-182/U on the H-161A/U interphone cord has been rewired to include a ground wire to pin A (fig. 5-2). This change was made to help eliminate background noise. The H-161A/U uses a chest strap, instead of the clothing clip used on the H-161/U (figs. 1-1 and 1-2), to hold the chest switch assembly close to the user's chest.



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Figure 1-1. Headset-Microphone H-161/U.