

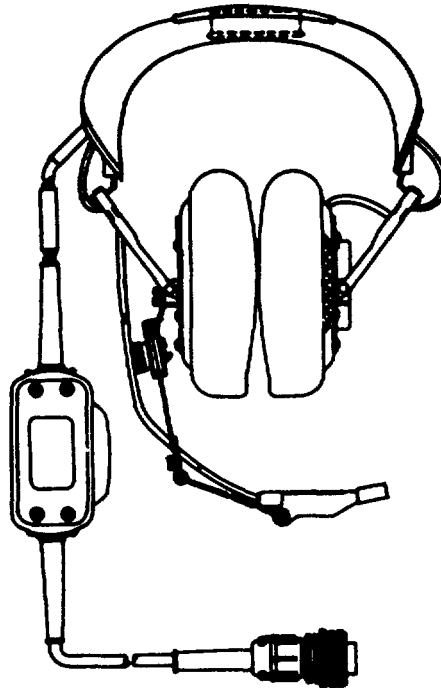
ITEM NAME: HEADSET - MICROPHONE

NOMENCLATURE: H-172/U

FEDERAL STOCK NO: 5965-715-4031

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FUNCTIONAL DESCRIPTION:

The H-172/U is an extremely low-distortion, dynamic, noise-canceling headset-microphone which contains a transistor preamplifier in the headband.

CONSISTS OF:

- 1 Dynamic receiver element
- 2 Earphone cushions
- 1 Headband assembly PC-16
- 1 Microphone, M-87/AIC
- 1 Cord (Microphone) MMOP-5
- 1 Cord assembly
- 1 Cord and plug assembly, Plug U-173/U
- 1 Connector 10-109614S-5P
- 1 Transistor preamplifier
- 1 In-line switch, D. P. S. T.

RELATIONSHIP TO SIMILAR EQUIPMENT:

5.8.1

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PHYSICAL DESCRIPTION:

Dimensions:

Headband width (unextended) -----6 1/2 inches (165. 1 mm)  
Earphone face (with cushion) -----4-3/4 x 5-3/8 inches (120.65 mm x 136. 53 mm) oval  
Earphone depth (with cushion)-----2-1/4 inches (57.15 mm)

Cord Data:

Length (headband to switch) -----24 inches (609.6 mm)  
Length (switch to connector) -----51 inches (1295.4 mm)  
Number of conductors -----5  
Insulation -----synthetic rubber

TECHNICAL DESCRIPTION:

Earphone:

Impedance (at 1, 000 cps) -----600 ohms  
Frequency range -----100 to 4500 cps

Microphone:

Impedance -----3 ohms  
Frequency range -----300 to 4500 cps

ADDITIONAL TECHNICAL DATA:

Environmental Limitations:

Temperature (nonoperating)-----60° C to +75° C  
Temperature (operating) -----0° C to + 50° C  
Resistant to salt spray and humidity.

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**REFERENCE DATA and LITERATURE**

MIL-M-26542  
BuShips Drawing RE51 127E

| MANUFACTURER CODE | PART NUMBER |
|-------------------|-------------|
| 82872             | H-172/U     |

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