

INCH-POUND  
MIL-DTL-83511/4C  
11 March 2004  
SUPERSEDING  
MIL-H-83511/4B  
10 February 1992

DETAIL SPECIFICATION SHEET

HEADSET-MICROPHONE  
H-161F/GR

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-83511.

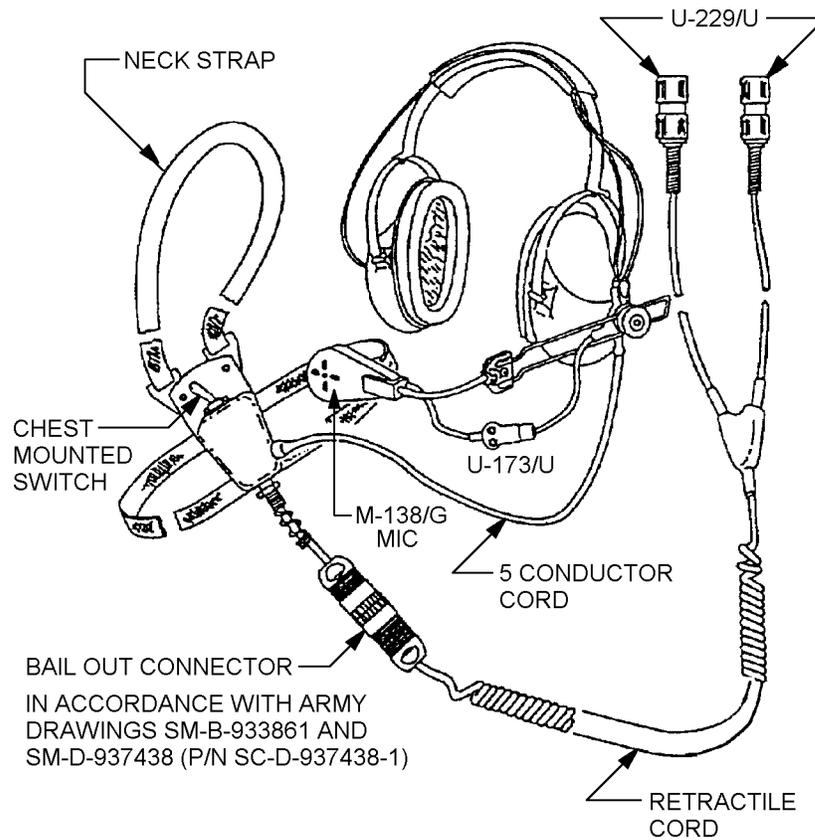
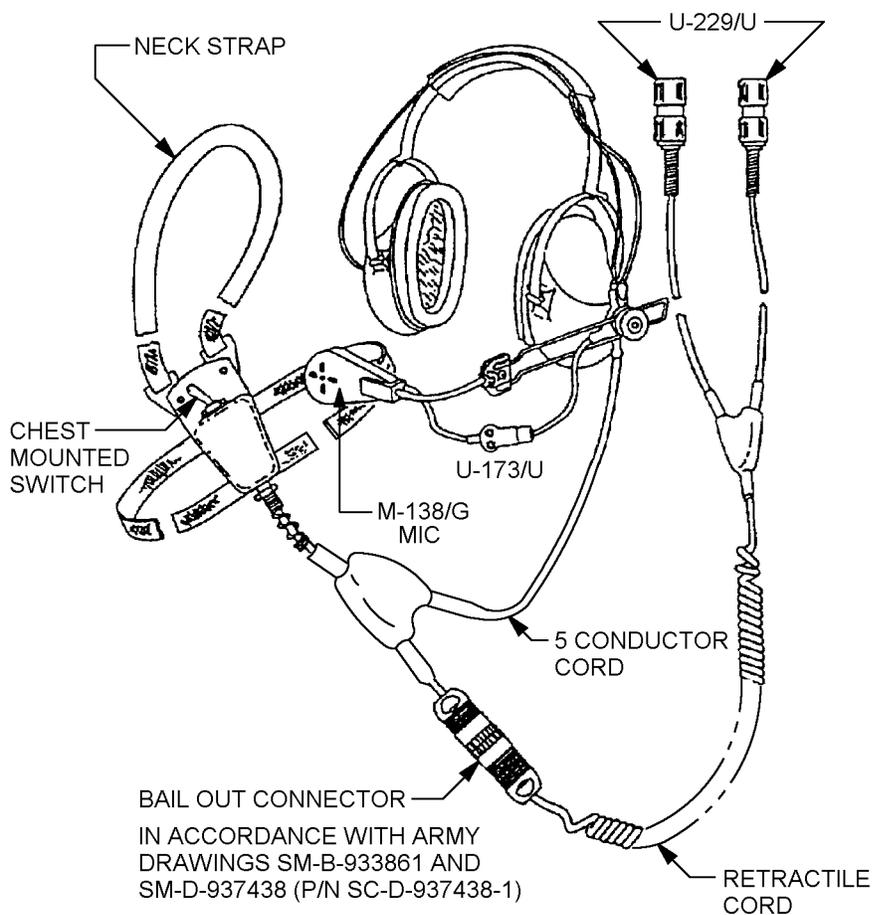


FIGURE 1. Headset-Microphone.



NOTE: The placement of the 5-conductor cord branches into a Wye located between the bail out connector and the chest mounted switch.

FIGURE 2. Headset-Microphone (alternate design).

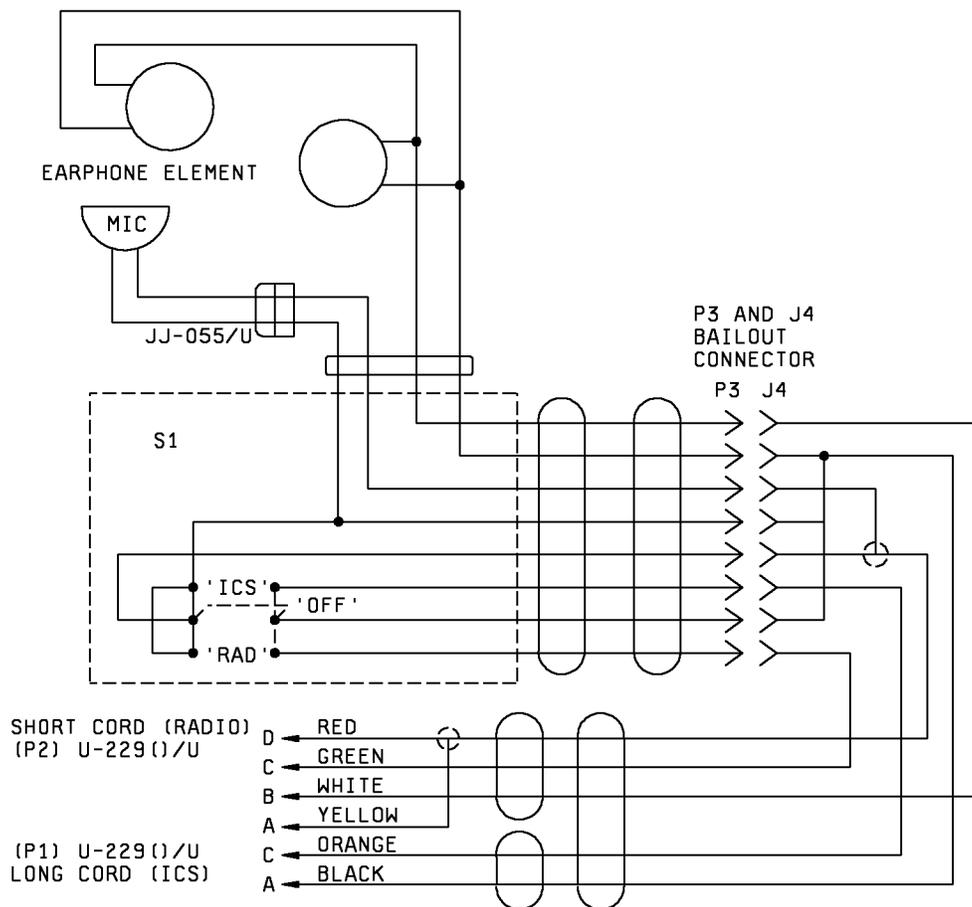
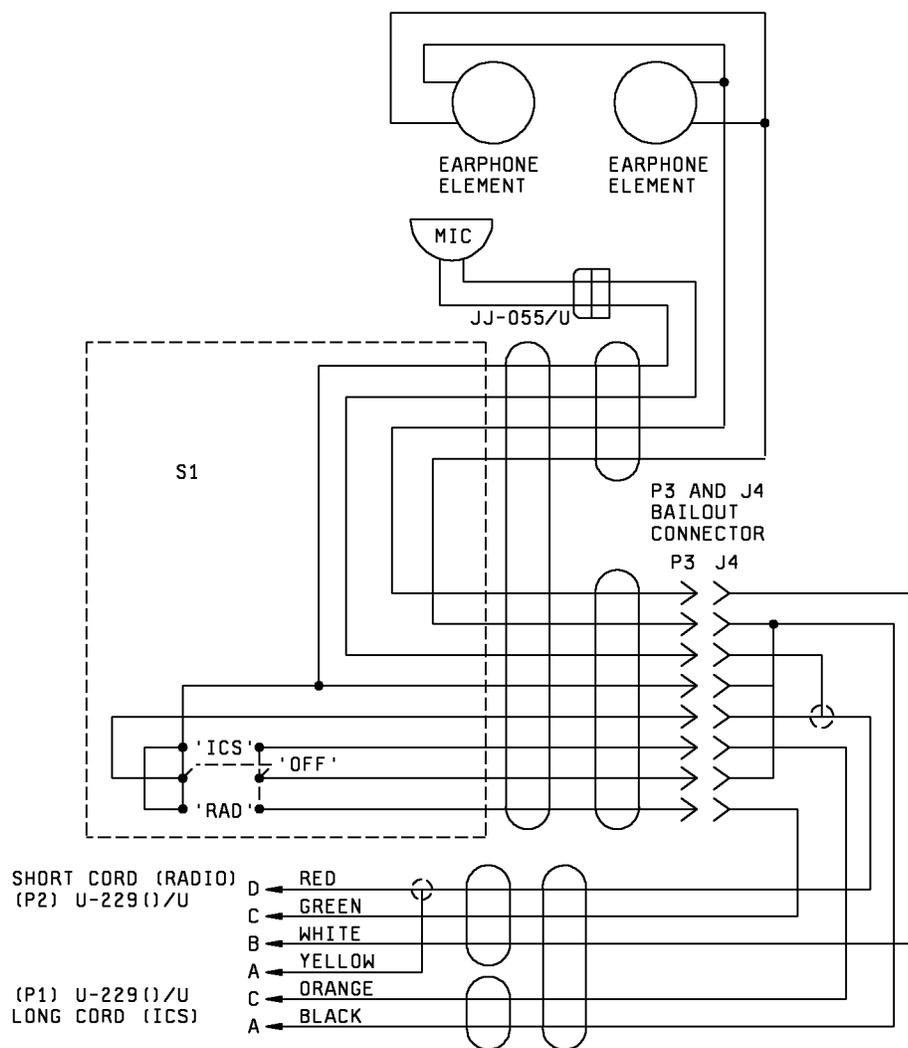


FIGURE 3. Wiring diagram.



NOTE: The placement of the 5-conductor cord branches into a Wye located between the bail out connector and the chest mounted switch (S1) (see figure 2).

FIGURE 4. Wiring diagram to the alternate design.

MIL-DTL-83511/4C

REQUIREMENTS:

Interface: Shall be at the manufacturer's option using figure 1 or optional design, see figure 2. Figures 1 through 4 are for illustration purposes only and all referenced drawings and specifications cover design.

Earphone: Two required (1000 ohms each) shall be in accordance with MIL PRF-25670/5 Part or Identifying Number (PIN) M25670/5-01.

Microphone: M-138/G shall be in accordance with MIL-PRF-26542 and MIL-PRF-26542/10.

Microphone boom: One required, USAF Drawing 67B1854 or equal.

Switch: Toggle shall be in accordance with MS35059 or equal.

Chest mounted switch case assembly: In accordance with army drawing SM-D-436135 with the exception of the CX-8652/GR cable assembly which is modified as detailed in this specification sheet. Cord connection from headset to switch case shall be made in accordance with figure 2 at the manufacturer's option.

Cordage: Connection shall be in accordance with the wiring diagram on figure 2. The construction of the individual cable assemblies shall be in accordance with the following military specifications or drawings:

Bail out connectors in accordance with Army drawings SM-B-933861 and SM-D-937438.

Headband cable assembly (ear to ear) - Shall be in accordance with MIL-DTL-83511.

Headset to chest switch cable assembly -5- conductor shall be in accordance with Army drawing SCL-6608. Watertight interface with switch case assembly.

Chest switch to bailout plug -5- conductor shall be in accordance with Army drawing SCL-6608. Watertight interface with assembly.

Cord assemblies:

Bail out connector to "Y" junction (retrax 6:1):	49.00 inches (1244.6 mm)
"Y" junction to U-229/U	8.00 inches (203.2 mm)
"Y" junction to U-229/U	9.00 inches (228.6 mm)

Wiring schematic: See figures 3 and 4.

Interchangeability: The upper and lower cable assemblies of this headset-microphone shall be completely interchangeable between, and mate with, cable assemblies of another manufacturer's H-161F/GR (the bailout jack of the upper assembly will mate mechanically and electrically with the bailout jack of the lower cable from another manufacturer.) The upper cable assembly of the H-161F/GR will mate mechanically with the lower cable assemblies of the DH-132 and DH-132A combat vehicle crewman helmets and will be electrically interchangeable (there will be no ballistic, bump or attenuation protection) with the DH-132 and DH-132A helmets.

MIL-DTL-83511/4C

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensive changes.

In addition to MIL-DTL-83511, this document references the following:

MIL-PRF-25670/5	Army drawing SM-B-933861
MIL-PRF-26542	Army drawing SM-D-436135
MIL-PRF-26542/10	Army drawing SM-D-937438
MS35059	Army drawing SCL-6608
	USAF drawing 67B1854

CONCLUDING MATERIAL

Custodians:  
Army - CR  
Navy - EC  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC  
  
(Project 5965-0347-004)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://www.dodssp.daps.mil>.