

TECHNICAL MANUAL

**OPERATION, SERVICE, AND
MAINTENANCE INSTRUCTIONS**

**QUICK DONNING
ANTI-EXPOSURE FLYING COVERALL
TYPE CWU-16/P**

**THIS TECHNICAL MANUAL IS A REPRINT OF AIR FORCE T.O. 14P3-5-61,
31 MARCH 1966, INCLUDING CHANGES 1 THROUGH 22.**

**This copy is a reprint which includes current
pages from Change 1.**

**DEPARTMENT OF THE ARMY
6 FEBRUARY 1984**

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ANTI-EXPOSURE FLYING COVERALL**

TYPE CWU-16/P

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Aviation Systems Command, ATTN: AMSAV-MPSD. 4300 Goodfellow Boulevard. , Saint Louis, MO 63120-1798. A reply will be furnished directly to you.

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SECTION I INTRODUCTION

1-1. PURPOSE

1-2. This technical manual provides basic information and instructions for emergency donning and use of the Type CWU-16/P Quick-Donning Anti-Exposure Coverall. This manual shall be used as a general reference by all flying personnel making extended or sustained over-water flights.

1-3. The data contained herein is concerned with the use, inspection, maintenance, and repair of the equipment.

SECTION II DESCRIPTION II

2-1. GENERAL.

2-2. The type CWU-16/P anti-exposure coverall (Figure 2-1.) has been designed for quick-donning (approximately one minute) by crew members of heavy bombers and cargo aircraft, prior to emergency ditching of such aircraft at sea. After ditching of the aircraft, the coverall will protect the wearer from exposure while swimming in cold water and from exposure to wind, spray, and rain when adrift on a life raft.

2-3. DETAILED DESCRIPTION.

2-4. The CWU-16/P coverall is a one size garment fabricated from chloroprene-coated nylon cloth. The coverall has two expandable type patch pockets, an adjustable waist belt, and attached boots with adjustable ankle straps. One pair of insulated, adjustable wrist strap gloves, each with a tie cord for attaching to the pockets is provided. Neck and wrist seals are installed on the garment to prevent entrance of water. An inflatable hood is provided with a tie cord for attaching to the right hand pocket (see Figure 2-1). A carrying case with instruction label and a snap-fastener closure is furnished with each coverall for stowing the coverall assembly.

Note

Hook Blade Knife, Part No. 60C6037, FSN 1670779-1253, may be stowed in the left accessory glove pocket when required. The knife lanyard shall be tied to the pocket grommet, and the knife stowed beneath the gloves.

2-5. USE.

2-6. The coverall when utilized will be donned over regular flight clothing. The coverall is of sufficient fullness so that it can be worn over the usual flight gear. The gloves and hood are stowed in the pockets of the coverall and are normally worn after boarding the life raft.

2-7. DONNING INSTRUCTIONS.

CAUTION

Care should be exercised when donning to prevent damaging the coverall by snagging, tearing, or puncturing on projecting objects.

2-8. The procedure for donning the coverall is as follows:

- a. Unsnap the fasteners of carrying case (see Figure 2-2).
- b. Remove coverall from carrying case and unroll (see Figure 2-3).

Note

The coverall is stowed in carrying case with entrance slide fastener closed to a point approximately 3 to 4 inches from the seal block.

- c. Grasp coverall by the shoulders and insert feet well into the boot. Pull coverall up to waist (see Figure 2-4).
- d. Insert right arm into right sleeve with sufficient force to insert hand through the wrist seal (see Figure 2-5). Smooth out wrist seal.
- e. Pull coverall up over the head and insert head through the neck seal (see Figure 2-6). Smooth out seal around the neck. Repeat the procedure for left arm as outlined above for right arm.

f. Close entrance slide fastener, making sure slider is in full closed position (see Figure 2-7).

Note

Excessive force is not required to close entrance slide fastener if proper alignment of scoops prior to slider movement is assured and fastener lips are lubricated. The slider shall be pulled in the direction of the long axis of the fastener and not at an angle. The tying of a square knot in end of slider pull tab provides a loop to enhance leverage when closing slide fastener.

g. Adjust coverall waist band and boot ankle straps to take up coverall fullness (see Figures 2-8 and 2-9).

Note

Pulling neck seal away from the neck and crouching prior to jumping will aid in expelling excess air and reducing coverall bulkiness.

h. Jump into water feet first with arms close to the sides of the body or brought together over the head.

i. Gloves normally worn during flight should be used until after boarding the life raft to keep the hands dry and warm. The gloves and hood found in coverall pockets can then be readily donned (see Figures 2-10 and 2-11).

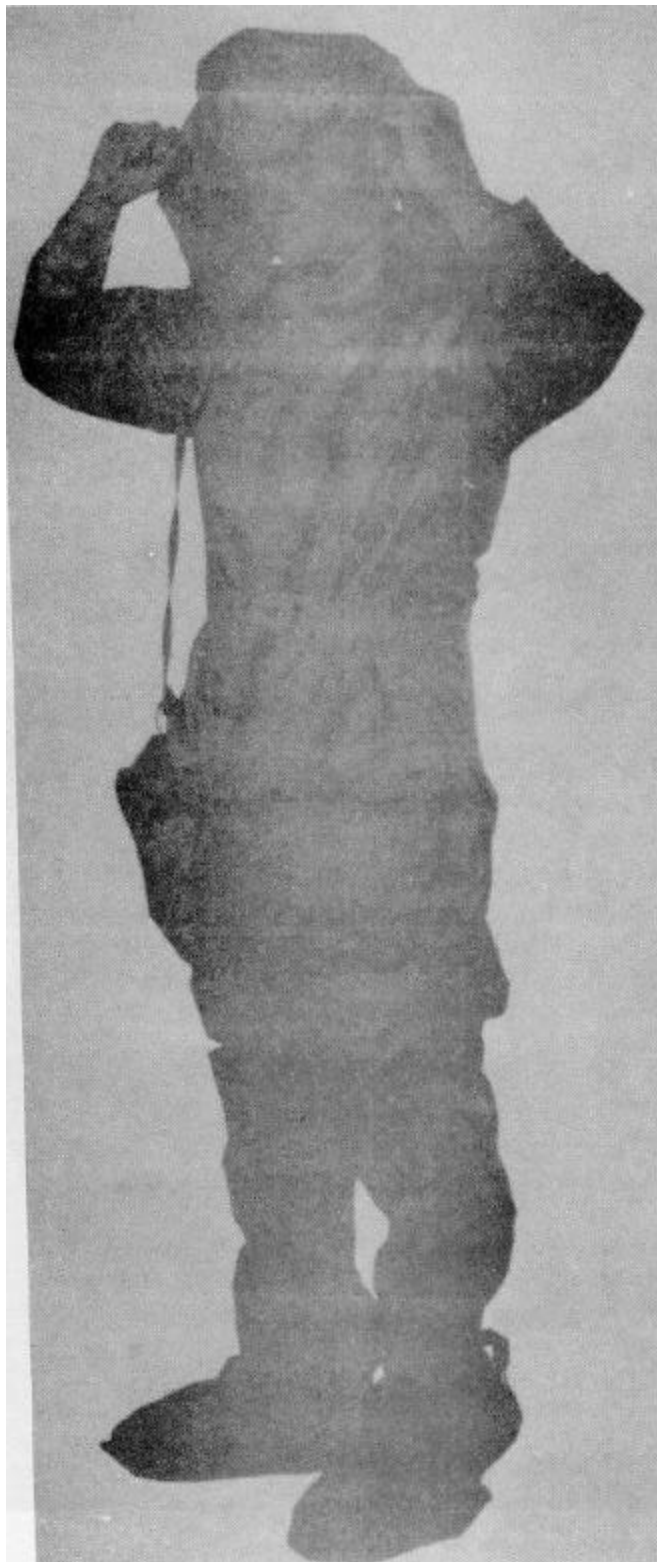


Figure 2-1. CWU-16/P Coverall