

OPERATOR'S AND UNIT MAINTENANCE MANUAL

**FOR
SELF-CONTAINED, TOXIC
ENVIRONMENT, PROTECTIVE
OUTFIT-INTERIM (STEPO-I)**



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 PROTECTIVE OUTFIT-INTERIM (STEPO-I)**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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

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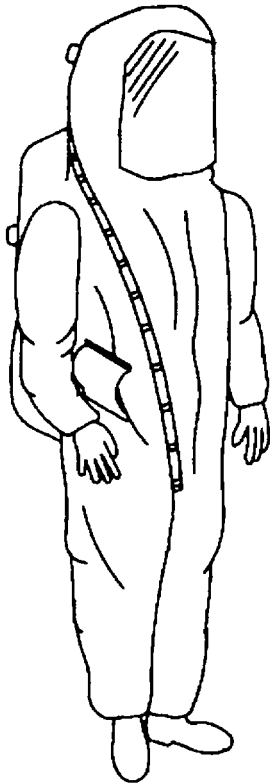
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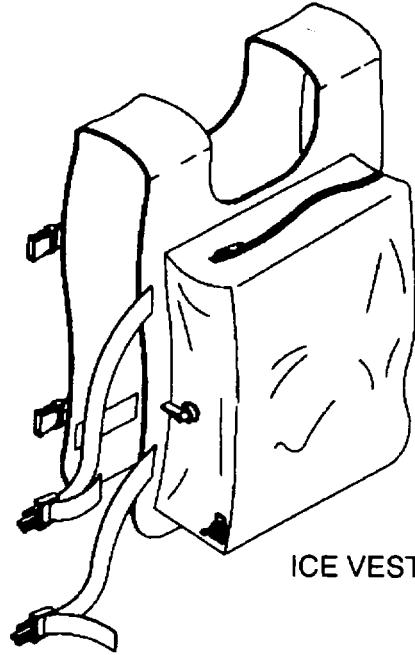
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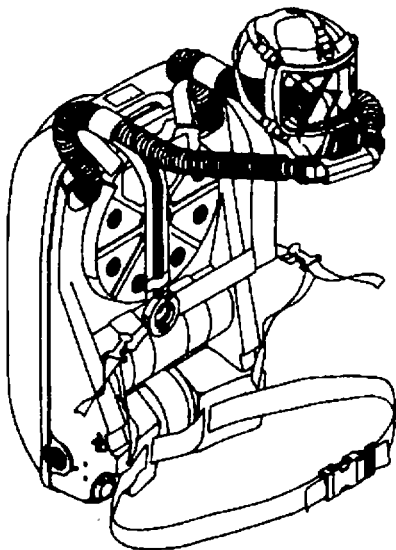
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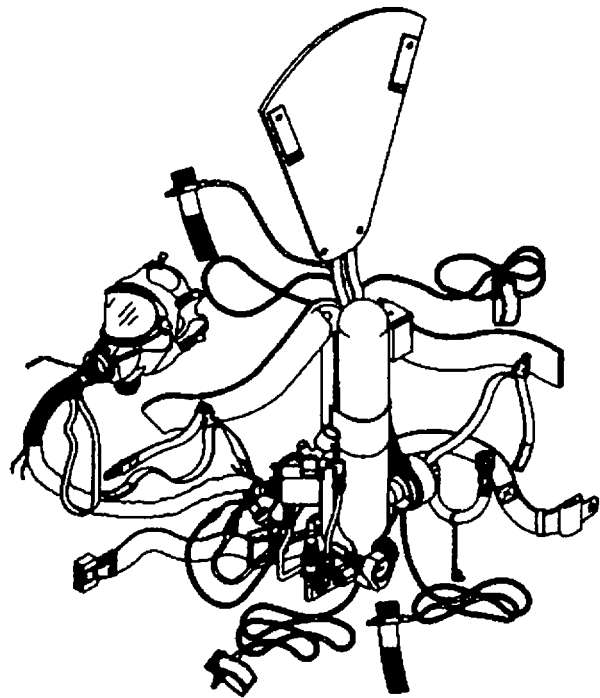
ENCAPSULATING PROTECTIVE
SUIT



ICE VEST



REBREATHERSYSTEM



EMERGENCY BREATHING
APPARATUS (EBA)

Figure 1-1. Self-Contained, Toxic Environment, Protective Outfit-Interim Ensemble

**CHAPTER 1
INTRODUCTION**

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Section I. GENERAL INFORMATION

1-1. SCOPE. This manual contains operating and unit maintenance instructions for the Self-Contained, Toxic Environment, Protective Outfit-Interim (STEPO-I). The STEPO-I is designed for use with a remote air source using a pass through connection in the encapsulating protective suit for a tether line (maximum of 300 feet) hook up. It may also be used independently with the rebreather system. Both modes of operation are for use in immediate danger to life and health (I DLH) concentrations of class G, H and V agent environments. The STEPO-I is not approved for use in temperatures below +32°F (0°C) in the tether mode and +15°F (-9. 44°C) in the rebreather system mode. STEPO-I authorized wear time (stay time) with cooling vest at ambient temperatures at or above 85 F (29. 44°C) is 45 minutes. Ambient temperatures below 85°F (29. 44°C) is 2 hours. Maintenance of the emergency breathing apparatus (EBA) is to be performed only by certified maintainers. All other STEPO-I components shall be maintained only by trained maintenance personnel. The operator is not authorized to perform any maintenance specified in Chapter 3 of this publication. Authorized equipment and its location is shown in paragraph 1-9, Location and Description of Major Components.

1-2. MAINTENANCE FORMS, RECORDS AND REPORTS. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

1-3. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's). If your Self-Contained, Toxic Environment, Protective Outfit-Interim needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF368 (Product Quality Deficiency Report). Mail it to us at:

Commander
U.S. Army Aviation and Troop Command
ATTN: AMSAT-I-MDO
4300 Goodfellow Boulevard
St. Louis, MO 63120-1798

We'll send you a reply.

1-4. WARRANTY INFORMATION. The Self-Contained Toxic Environment Protective Outfit-Interim components are warranted separately by their manufacturer. The warranty starts on the date found in block 23, DA Form 2408-9 in the logbook. Report all defects in material and workmanship to your supervisor, who will take the appropriate action.

1-5. NOMENCLATURE CROSS-REFERENCE LIST.

Table 1-1. Nomenclature Cross-Reference List

Common Name	Official Nomenclature
Blue ice	Gel packs
Face piece	Face mask
Pressure gauge	Oxygen remaining indicator
Velcro	Hook and pile fastener tape
Zipper	Slide fastener

1-6. LIST OF ABBREVIATIONS.

Table 1-2. List of Abbreviations

AT	Absorbent
BL	Bail
CAGEC	Commercial and Government Entity Code
CN	Can
CONT	Continued
EA	Each
EBA	Emergency Breathing Apparatus
EIR	Equipment Improvement Recommendations
FEP	Fluorinated Ethylene Propylene
IDLH	Immediate Danger to Life and Health
ILLUS	Illustration
IN.	Inch
LBS	Pounds
MSA	Mine Safety Appliances
PMCS	Preventive Maintenance Checks and Services
PSI	Pounds/Square Inch