TECHNICAL MANUAL
AVIATION UNIT MAINTENANCE (AVUM) MANUAL
AND
AVIATION INTERMEDIATE MAINTENANCE (AVIM) MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)
FOR
AIRCRAFT MODULAR SURVIVAL SYSTEM (AMSS)

TWO CREWMEMBER MODULE
NSN 1680-01-362-6323

FOUR CREWMEMBER MODULE
NSN 1680-01-362-6324

AH-1 (TOW TUBE SURVIVAL KIT)
NSN 1680-01-362-6325

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AND
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1-5 thru 1-10	1-5 thru 1-10
1-15 and 1-16	1-15 and 1-16
2-1 and 2-2	2-1 and 2-2
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2-45 thru 2-48	2-45 thru 2-48
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C-9 thru C-20	C-9 thru C-20
C-25 and C-26	C-25 and C-26
C-41 and C-42	C-41 and C-42
C-45/(C-46 blank)	C-45/(C-46 blank)
E-3 and E-4	E-3 and E-4
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1-3 through 1-10	1-3 through 1-10
1-15 and 1-16	1-15 and 1-16
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C-35 through C-38	C-35 through C-38
– – – – –	C-38.1/C-38.2blank)
D-5 and D-6	D-5 and D-6
E-1 through E-4	E-1 through E-4
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NSN 1680-01-362-6323

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NSN 1680-1-362-6325

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1-13 through 1-16	1-13 through 1-16
2-1 through 2-8	2-1 through 2-8
2-11 through 2-14	2-11 through 2-14
2-33 and 2-34	2-33 and 2-34
2-45 through 2-48	2-45 through 2-48
2-51 through 2-56	2-51 through 2-56
B-7 through B-20	B-7 through B-20
C-9 through C-26	C-9 through C-26
C-35 through C-46	C-35 through C-45/(C-46 blank)

Remove pages	Insert pages
D-1 through D-6	D-1 through D-6
E-1 through E-71(E-8 Blank)	E-1 through E-6
Index-1 and Index-2	Index-1 and Index-2

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WARNING AND FIRST AID DATA

For first aid information refer to FM 21-11, First Aid for Soldiers.

Personnel performing instructions involving operations, procedures, and practices which are included or implied in this manual shall observe the following warnings.

WARNING

An operating procedure, practice, etc., which if not correctly followed, could result in personal injury or loss of life.

CAUTION

An operating procedure, practice, etc., which if not strictly observed, could result in damage to or destruction of equipment.

NOTE

An operating procedure, condition, etc., which is essential to highlight.

GENERAL

ADDITIONAL ITEMS PLACED IN SURVIVAL KITS MUST NOT CREATE AN UNDUE HAZARD, IMPAIR CREWMEMBERS IN FLIGHT DUTIES, OR REPLACE MANDATORY ITEMS.

Inspect all matches to ensure that match heads are not joined together. Do not use any matches that are joined together.

Compressed trioxane fuel contains metaformaldehyde. This chemical is poisonous and could cause serious intestinal problems. Avoid skin contact, inhalation of fumes, and ingestion. Wash hands after using and before consuming food to avoid the possible ingestion of trioxane. If trioxane fuel is ingested do not induce vomiting. Drink milk, eat bread or any high protein food, and seek medical attention immediately.

Compasses that are components of survival kits, possessing luminous markings on the dial face, contain radioactive material. In the event that the face cover is cracked or broken, avoid direct contact with the dial face. Under these conditions, handling and disposal procedures shall be implemented as prescribed by TB 43-0108 and the local Radiological Protection Officer.

GAS UNDER PRESSURE. Do not loosen or attempt to remove a carbon dioxide cylinder from the valve assembly.

When flying on commercial airlines with any survival kit, REMOVE ALL PYROTECHNICS from all survival kits prior to leaving military base or aviation flight facility. Pyrotechnics cannot be put on-board ANY commercial airline in accordance with Federal Aviation Regulations.

LIST OF EFFECTIVE PAGES

Insert latest changed pages; dispose of superseded pages in accordance with regulations.

NOTE: On a changed page, the portion of the text affected by the latest change is indicated by a vertical line, or other change symbol, in the outer margin of the page. Changes to illustrations are indicated by miniature pointing hands. Changes to wiring diagrams are indicated by shaded areas.

Dates of issue for original and changed pages are:

Original - 31 August 1994
Change 1 - 31 August 1995
Change 2 - 06 May 1997
Change 3 - 18 January 2000

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C-46 blank	1
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E-2	1
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E-8 blank	0
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TECHNICAL MANUAL

NO. 1-1680-354-23&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 31 August 1994

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NSN 1680-01-362-6325

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, U.S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-LS-LP, Redstone Arsenal, AL 35898-5320. You may also submit your recommended changes by E-mail directly to <ls-lp@redstone.army.mil or by fax (256)-842-6546/DSN 788-6546. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

ENVIRONMENTAL/HAZARDOUS MATERIAL INFORMATION

This document has been reviewed for the presence of Class 1 Ozone Depleting Chemicals. As of 14 June 1995, the status is: All references to Class 1 Ozone Depleteing Chemicals have been removed from this document by substitution with chemicals that do not cause atmospheric ozone depletion.

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TABLE OF CONTENTS

CHAPTER 1

INTRODUCTION

SECTION I. GENERAL INFORMATION

1.1 SCOPE.

1.1.1 Type of Manual. Aviation Unit and Aviation Intermediate Maintenance Manual including Repair Parts and Special Tools List (RPSTL).

1.1.2 Model Number and Equipment Name. Aircraft Modular Survival System (AMSS).

1.1.3 Purpose of Equipment. Used to aid air crewmembers in survival situations.

1.2 MAINTENANCE FORMS. RECORDS AND REPORTS.

Department of the Army (DA) forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-751, Functional Users Manual for The Army Maintenance Management System - Aviation (TAMMS-A).

1.3 DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE.

The equipment will be destroyed if it is in danger of being captured and used by the enemy. Refer to Technical Manual (TM) 750-244-1-2, Destruction of Life Support Equipment to Prevent Enemy Use.

1.4 PREPARATION FOR STORAGE OR SHIPMENT.

Instructions for storage or shipment are contained in the AVUM Maintenance Instructions, Chapter 2 of this manual and TM 1-1500-204-23-1, General Aircraft Maintenance Manual.

1.5 REPORTING OF EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR).

If your AMSS needs improvement, let us know. 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 a Standard Form (SF) SF 368 (Quality Deficiency Report). Mail it to us at: Commander, U.S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-LS-LP, Redstone Arsenal, AL. 35898-5320.

1.6 SAFETY, CARE, AND HANDLING.

1.6.1 Combustible Materials. As referred to in this technical manual, combustible materials consist of pyrotechnics (distress signals) and flammables (fire starter, matches, and trioxane fuel packets).

a. Lot numbers of ammunition items and distress signals will be checked for serviceability in accordance with Technical Bulletin (TB) TB 9-1300-385, Technical Order (T.O.) 11A-1-1, NAVSEA OD 17190. Lot numbers will be entered on the reverse side of serviceable tag, Department of Defense (DD) Form 1574, Serviceable Label-Materiel (Yellow), to facilitate checking numbers.

b. Operation of Signal Smoke and Illumination, MK13 and MK24. All personnel who may be required to operate these signals in emergencies shall be given instruction in their use.

WARNING

Inspect all matches to insure that match heads are not joined together. Do not use any matches that are joined together.

Inspect all matches to ensure that match heads are not placed in such a way that the head could ignite by rubbing against an adjacent match.

c. Matches, non-safety, are packed in a large round plastic container with a screw-top cap that makes a watertight seal. The container holds four boxes of 30-40 matches in each box. A rough surface on the outside bottom of the container is for striking the match to cause ignition.

WARNING

Compressed trioxane fuel bars contain metaformaldehyde. This chemical is poisonous and could cause serious intestinal problem. Avoid skin contact, inhalation of fumes and ingestion. Wash hands after using and before consuming food to avoid the possible ingestion of trioxane. If trioxane fuel is ingested do not induce vomiting. Drink milk, eat bread or any high protein food and seek medical attention immediately.

d. Trioxane fuel tablets are considered good for an indefinite amount of time. Trioxane fuel is primarily composed of metaformaldehyde, which is highly toxic. Ingestion of trioxane fuel constitutes a medical emergency. Wash hands immediately after handling opened or leaking packages.

1.6.2 Radioactive Parts or Components.

Compasses that are components of survival kits, possessing luminous markings on the dial face, contain radioactive material. Before any maintenance actions are performed on the compasses in the AMSS, ensure the face cover is not cracked or broken. If the dial face of the compass is broken or cracked, avoid direct contact. Under these conditions, handling and disposal procedures shall be implemented as prescribed by the local Radiological Protection Officer.

1.6.3 Training.

WARNING

Any item used for training will not be used for service in any survival kit, and shall be marked, " For Training Only."

CAUTION

The AMSS components described in this manual are items of primary survival equipment and precaution shall be taken to assure proper handling. Care must be exercised to preclude damage to the AMSS component parts. Kits shall not be thrown carelessly in or out of aircraft or vehicles.

a. Periodic training programs should be established at the unit level to ensure that each individual air crewmember is thoroughly familiar with the components and how to use and operate this equipment in time of emergency. The importance of a familiarization program cannot be overemphasized.

b. The components of the AMSS are vital in providing downed personnel with essential life-sustaining items and rescue aids. The rigid containers are designed to accommodate and protect a maximum number of survival items. Vacuum/heat sealing of survival kit components will depend upon proper training of Aviation Life Support Equipment (ALSE) personnel assembling the kits. Personnel engaged in the packing and inspection of survival kits shall be a life support school graduate holding an Additional Skill Identifier (ASI) of H2 or Q2. A list identifying those personnel will be conspicuously located in the area where kit servicing is performed.

1.7 CORROSION PREVENTION AND CONTROL (CPC)

a. Corrosion Prevention and Control (CPC) of Army materiel is continuing concern. It is important that any corrosion problems with AMSS items be reported so that the problem can be corrected and improvements can be made to prevent the problem in future items.

b. While corrosion is typically associated with rusting of metals, it can also include deterioration of other materials, such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these materials may be a corrosion problem.

c. If a corrosion problem is identified, it can be reported using SF 368, Product Quality Deficiency Report. Use of keywords such as "corrosion," "rust," "deterioration," or "cracking" will ensure that the information is identified as a CPC problem. The form should be submitted to the address specified in DA PAM 738-751.

1.8 CALIBRATION.

Within the scope of this manual there are no AMSS components, accessories, or instruments that require calibration. Special tools and test equipment shall be calibrated as specified in TB 43-180, Calibration Requirements for the Maintenenace of Materiel.

SECTION II. EQUIPMENT DESCRIPTION AND DATA

1.9 EQIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES.

WARNING

The AMSS rigid containers are to be carried by two people. This is to preclude possible back injury by one crewmember carrying the containers. Any item used for training will not be used for service in any survival kit, and shall be marked, "For Training Only."

NOTE

After receiving the initial issue components, the AMSS will be configured at AVUM level into the appropriate AMSS Kits, reference figures C-l through C-4. Components from the obsolete Hot, Cold, and Overwater Individual Survival Kits (listed below) will be retained to assemble the AMSS kits and/or retained as optional approved equipment, reference figure C-5.

HOT NSN 1680-00-973- 1861
COLD NSN 1680-00-973-1862
OVERWATER NSN 1680-00-973-l863

The Overwater Kit outer case cannot be used as an AMSS component and should be turned in for disposal.

a. The Aircraft Modular Survival System (AMSS) is a light-weight, portable, self-contained survival kit that can provide the capability for air crewmembers to survive for a minimum of 72 hours in most environments. It can also provide a degraded, but acceptable, capability for up to 15 days.

NOTE

Do not plan on rescue within 72 hours. Conserve your enery and survival equipment.

b. The AMSS contains mandatory items that provide for signal, water, shelter and food for each member of the crew. Local commanders can tailor the AMSS using the mandatory items and optional components from the Approved Equipment List, based on the mission and operational environment of the unit.

c The AMSS rigid containers differ only in physical dimensions. The AMSS containers will be used (within mission constraints) to store and transport survival equipment. AH-I units will use expended Tube-Launched, Optically-Tracked. Wire Command Link (TOW) missile tubes for use as a survival kit container. Instructions far converting the TOW tube into a survival kit container are found in Appendix E.

d. The Rigid Seat Survival Kit (RSSK) may be changed to include AMSS components with concurance of the unit commander. The OV-1 Aicraft Rigid Seat Survival Kits (RSSK) are made of rigid fiberglass. The RSSK also includes a retention assembly for the seat occupant. The survival kit assembly fits in the seat pan and is secured by two lower attachment lugs. which are released only when the time release mechanism or the manual override handle is actuated. An occupant retention assembly is attached to both sides of the survival container and clips to a floating lap belt which is attached to the personnel harness. To gain access to an equipment bag containing the survival gear, squeeze and pull the special grip handles to release the assembly which locks the container bottom to the lid assembly. Use only a normal handshake to squeeze. Pull until the small steel ball is visible. The seat pan provides the occupant with proper support for the lower portion of the torso and consists of a seat cushion and a rigid seat survival kit.

1.10 LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.

1.10 Description of Maior Components. The survival equipment will be placed in an equipment bag. The bag will have backpack straps and handles sewn to the bag. The filled bag will be placed in the hard outer container(s). The TOW tube equipment bags (2) will be connected together by a snap link at the handles. As the first equipment bag is being pulled out, the second bag will be pulled to the front and out in a continuous motion. The OH-58D and the AH-64 aircraft can use the soft-pack module. The soft-pack module consists of the equipment bag(s) and mandatory items without the rigid container.

a. The containers for the AMSS, other than the converted TOW tube and the soft pack modules, are a high impact-molded plastic container (Figure 1-1). Each consists of a lid and a container hinged together on the back, an identity plate, a breather valve, transport handles, over-center latches, an anti-pilferage seal, and a chemical contamination detector (used only during wartime conditions and in war zone areas).

b. The container's components description is as follows. (See Figure l-l.)

(1) HINGES - connect the top and bottom of the container from the back.

(2) IDENTITY PLATE - lists the National Stock Number (NSN) of the container, the serial number, and the manufacturer.

CAUTION

Press valve after each use and before storage.

(3) BREATHER VALVE - equalizes pressure inside the container during aircraft flight.

(4) TRANSPORT HANDLES - used to carry the container.

WARNING

Use two people to carry the AMSS to prevent personal injury.

(5) OVER-CENTER LATCHES - secure the lid to the bottom container.

(6) ANTI-PILFERAGE SEAL - indicates if container has been opened.

(7) CHEMICAL CONTAMINATION DETECTOR - indicates if a chemical or biological agent is present in the surroundings (used only during wartime conditions and in war zone areas).

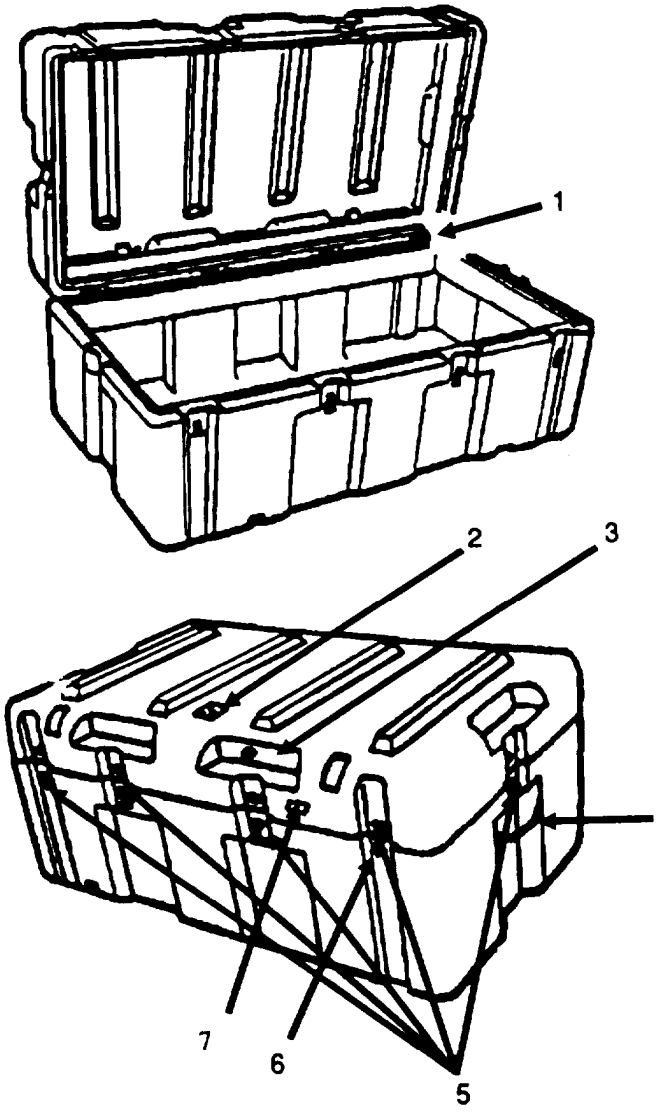

Figure 1-1. AMSS Rigid Container

c. The AH-1 survival kit is contained in an expended TOW missile tube (1, Figure 1-2). The ends (2) are capped by locally fabricated metal discs secured to the tube ends with Marmon clamps (3 & 7). A lead-sealed safety wire (4) is attached to the forward marmon clamp. " Survival Kit" #, Next Inspection Due, and Weight is stenciled on the outboard side (5) of the TOW Tube. A chemical contamination detector (6) is used only during wartime conditions and in war zone areas.

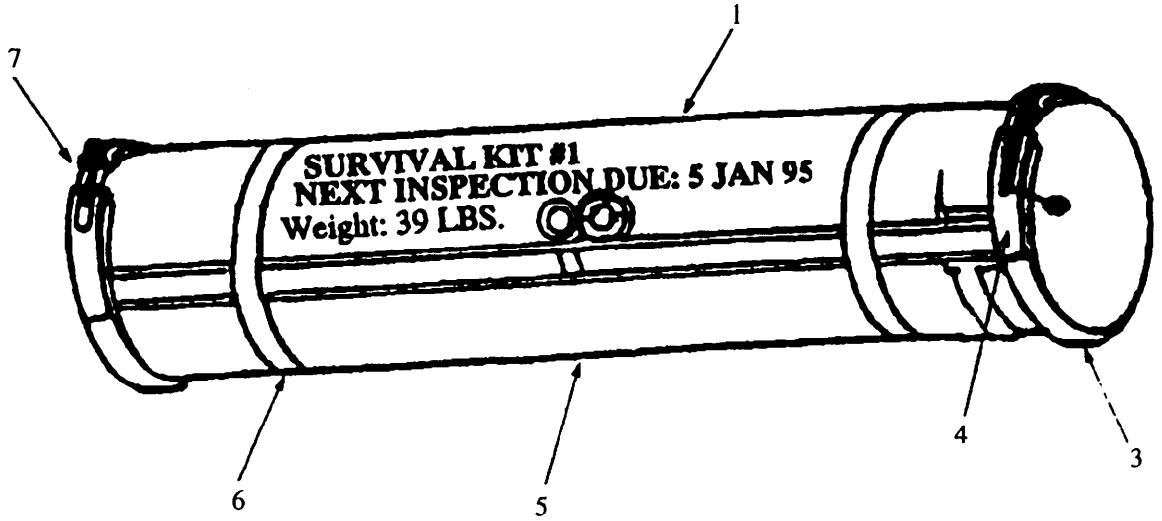

Figure 1-2. AMSS TOW Tube Container

1.10.2 Location on Each Aircraft. The following locations for the AMSS have been surveyed for placement in each aircraft type. The commander, however, still has the option to follow these recommendations at his discretion. This keeps in line with the unit commander' s prerogative of tailoring the AMSS to the unit' s mission and flying environment.

WARNING

Do not secure the tie-down straps from the floor cargo rings to the container handles only.

The container handles are attached with pop rivets and are not structured to handle post crash retention. The strap must be attached to the aircraft floor cargo rings and routed through the handles and over the top of the AMSS container. If the strap is not properly used, serious injury or death may occur from an improperly restrained container.

Use only approved cargo retention straps for securing the AMSS to the aircraft. Serious injury or death may occur from an improperly restrained container.

Cargo retention straps may only be locally manufactured by a certified school trained parachute rigger using approved instructions and materials authorized by PM-ACIS.

a. AH-1 COBRA. The right wing upper, outboard, launcher position.

b. AH-64 APACHE. The aft bay of the APACHE has a dedicated area, with the access doors on both sides of the aircraft. Use " bungie cords" to secure the AMSS in the aircraft.

NOTE

" Bungie cords" are the acceptable tie-down method only in non-passenger areas of aircraft. This is due to flight safety factors.

c. UH-1 IROQUOIS. Secured to either of the side " gunners" well positions with tiedown straps. Same location in UH-1 MEDAVAC configuration.

d. UH-60 BLACKHAWK. The area behind the two side facing seats (gunner position) and forward against the pilot' s bulkhead area. Secure the AMSS with quick disconnect adapters, floor fitting tiedown and tiedown straps.

e. CH-47 CHINOOK. At fuselage station between 120-160. The area on the left-hand side against the flight compartment and under the window of the cabin area. Secure the AMSS with tie-down straps.

f. OH-58 KIOWA. Secure to the passenger seats using the passenger restraining straps.

g. OH-58D KIOWA WARRIOR. In either, the aft left-hand side electronics bay using "bungie cords" or behind the observer' s position in the cabin avionics area.

NOTE

For recommended quick disconnect adapters and floor fitting tiedowns, reference figure C-8 and appendix E.

h. U-21 UTE. Kit is located in the aft cargo area and will be tied down with tie-down straps.

1.11 **DIFFERENCES BETWEEN MODELS.**

The 2-crewmember kits can be stored in the small rigid container or in one soft pack. The medium rigid container holds 3 to 4-crewmember kit. If additional equipment authorized by the unit commander from the Approved Equipment List does not fit in the suggested container size, additional containers or soft packs may be used. See paragraph 1.10.2.

1.12 **EQUIPMENT DATA.**

Refer to Table 1-1. Equipment Data.

Table 1-1. Equipment Data

Type	Packed Weight	Height	Length	Width
Weight of Mandatory Items:				
2-Crewmembers	28 lbs. 3.2 oz.			
3-Crewmembers	38 lbs. 4.4 oz.			
4-Crewmembers	48 lbs. 5.6 oz.			
AH-1 TOW tube	28 lbs. 3.2 oz.			
Rigid containers (add container weights when used):				
small	12 lbs.	10.4 in	18.8 in.	18.8 in.
medium	16 lbs.	16.2 in	18.8 in.	18.8 in.
large (See Note)	26 lbs.	16.8 in	37.4 in.	21.2 in.
AH-1 TOW Tube	11 lbs. 1 oz.	6 in. inside dia.	48 in.	6-1/2 in. inside dia.

Note: Optional large container is approved and authorized for the commander to tailor the AMSS for mission or environmental conditions.

1.13 EQUIPMENT CONFIGURATION.

a. Table 1-2 shows the mandatory survival equipment (IAW AR95-3) for the AMSS. These items, plus any commander-approved equipment (refer to Table 1-3, Approved Equipment List), may be packed in rigid containers or left as soft packs. The term " soft pack" refers to the survival equipment packed only within the equipment bags and stowed for flight without being put in a rigid container. Units may utilize soft packs ILO hard cases to store the AMSS in aircraft if the hard cases won' t fit into the air frame configuration. The OH-58 units are authorized to use TOW tube equipment bags to store AMSS in the aircraft. The recommended storage location remains the same for both methods.

Table 1-2. Minimum Equipment Configuration

Mandatory item	2-Crewmember Module	3-Crewmember Module	4-Crewmember Module	TOW Tube
* Equipment Bag	2	3	4	
TOW Tube Equipment Bag				2
Chemical Lights	4	6	8	4
Emergency Water Packets	24	36	48	24
Survival Food Packets	6	9	12	6
Tent	2	3	4	2
** Smoke and Illuminating Flares	4	4	4	4
** Fire Starter (either Magnesium or Spark Lite)	1	1	1	1
** Water Purifier (MROD-O6)(*)	1	1	1	1
** Survival Manual	1	1	1	1
** Match Container with 4 boxes of Non-safety Matches	1	1	1	1
** Fuel Siphon	1	1	1	1
** Pocket Stove	1	1	1	1
** Light Marker, Distress	1	1	1	1
** Batteries for Light, Marker, Distress	3	3	3	3

* Use only number of equipment bags required to pack components

** Minimum requirements per aircraft

(*) Minimum required on aircraft during flights in excess of 30 minutes flying time or 100 nautical miles from the nearest shoreline (Ref AR 95-3).

b. Table 1-3 contains survival equipment approved and authorized for the unit commander to tailor the AMSS for the unit' s mission and environmental conditions. See Appendix C. Repair Parts and Special Tools List, for National Stock Numbers.

NOTE

No other equipment is authorized for inclusion in the AMSS.

Table 1-3. Approved Equipment List

Equipment	Equipment
Aluminum Foil	Machete, with Sheath
Bag, Self-Sealing (Zip-Lock)	Match, Non-Safety with Container
Bag, Storage, Drinking Water (3 & 10 pint)	Mirror, Emergency Signaling
Bailer, Boat	Net, Multipurpose
Battery, Non-Rechargeable	Paddle, Boat
Blanket, Lightweight	Paint, Face, Light Green
Candle, Illuminating	Paint, Face, White and Loam

Table 1-3. Approved Equipment List (Continued)

Equipment	Equipment
Case, Missile (TOW tube)	Panel Marker, Survival
Cloth, Parachute	Pin, Tent, Aluminum, 9”
Compass	Pin, Tent, Steel 12”
Container, Survival (SM, MED, LG)	Pocket Stove
Cord, Nylon	Poncho, Wet Weather
Cover, Individual: Camouflage, Desert, Snow & Woodland	Pump, Inflating, Manual
Cup, Water, Canteen	Repair Kit, Life Raft
Demineralizer, Reverse Osmosis (Water Purifier, MROD-06)	Saw, Hand-Finger Grip
Desalter Kit, Seawater	Saw Knife Assembly, Survival
Entrenching Tool, Hand	Saw-Knife-Shovel Assembly
Equipment Bags	Sea Marker, Fluorescein
• Bag, Rescue Equipment	Sewing Kit
• Case, Individual Survival Kit (Cold Climate)	Sharpener, General Purpose
• Case, Individual Survival Kit (Hot Climate)	Shelter Liner, Wet Weather
• Case, Individual Survival Kit (Inner Case)	Signal, Smoke and Illumination
Fire Starter, Aviation Survival (Spark Lite) (Pre ferred)	Sleeping Bag
Fire-Starting Tool (Magnesium)	Snap Link, Mountain
First Aid Kit, Individual	Snowshoes, Trail-type
Fishing Kit, Emergency	Speedhook, Snare
Flashlight	Sponge
Food Packet, Survival	Spoon, Field Mess
Fork, Field Mess	Spoon, Picnic (Plastic)
Fuel, Compressed, Trioxane	Stone, Sharpening
Fuel Siphon	Strap, Rubber, Tie-down (15” , 21” , 31”)
Goggles, Sun, Wind and Dust	Sunglasses
Hat, Reversible Sun	Sunscreen Preparation
Insect Net, Head	Survival Kit, Individual (First Aid)
Insect Repellent, Personnel	Deleted
Knife, Field Mess	Tarpaulin (11’ x 7’)
Knife, Hunting (Sheath)	Tent, Multi-Purpose
Knife, Pocket (Gerber) Chrome	Tent Liner/Sleeping Bag (+40 degree F to -20 degree F)
Knife, Pocket (Gerber) Subdued	Tool Kit, Pioneer
Knife, Pocket (Leatherman tool S.S.)	Tool Kit, Survival
Knife, Pocket (Leatherman tool subdued)	Towel, Bath
Knife, Pocket	Tubing, Nonmetallic
Life Preserver, Underarm (LPU-10/P)	Water, Drinking Emergency (4 oz)
Life raft: Multiplace	Whistle, Ball, Plastic
Life Raft (LRU-18/U)	Wire, Nonelectric (Snare Wire)
Light, Chemical	
Light, Marker, Distress	
Pan, Frying	

SECTION Ill. PRINCIPLES OF OPERATION

1.14 FUNCTIONAL DESCRIPTION OF EQUIPMENT OPERATION.

This section provides a summarized description of how the components of the AMSS are used in conjunction with the end items.

1.14.1. How to Open the AMSS Rigid Containers.

a. Push the pressure relief valve button.

b. Break the anti-pilferage seal.

c. Lift the over-center latching tabs and turn them counterclockwise (to the left) and release. These are located on the front and sides of the container.

d. Open the container and remove the equipment bags by the top bag handle.

1.14.2. How to Open the AMSS TOW Tube Container.

a. Break the anti-pilferage seal.

b. Release the overcenter handle of the front Marmon clamp.

c. Remove the aluminum sheet metal cover.

d. Remove the equipment bags by pulling the equipment bag through the front flange of the missile locking rack.

NOTE

The equipment bags are connected by a snap link.

1.14.3. Removal of Survival Equipment.

a. To open, unzip the equipment bag.

b. The aircraft survival equipment will be distributed between the equipment bags. All of the mandatory items from Table 1-2 will be included in the kit. Optional items from the Approved Equipment List (see Table 1-3) may also be included if approved by the local commander.

1.14.4. Equipment Operational Description.

Table 1-4 is a brief description of the components listed in the Approved Equipment List. The component' s NSNs are listed in Appendix C.

NOTE

Crewmembers shall be instructed in the use and operation of appropriate equipment to obtain maximum benefit.

Table 1-4. Equipment Operational Description

Equipment	Description
Aluminum Foil	Foil is used as a lining or outer wrap for the pocket stove when burning aircraft fuel. The foil can also be used to reflect heat and as a signaling device.
Bag, Self-Sealing (Zip-Lock)	Used to protect items from moisture and dirt.
Bag, Storage, Drinking Water (3 & 10 pint)	Bags come complete with a buckle strap fastener and carrying strap for easy attachment to personnel or equipment, and are used for water storage only.
Bailer, Boat	The bailer is used to empty water out of life rafts.
Battery, Non-Rechargeable	Used for the light, distress marker, type SDU-5/E. Refer to SB 11-30 for shelf life.
Blanket, Lightweight	Used to provide warmth and protection against the elements, and as a signaling panel to aid in rescue.
Candle, Illuminating	The candle may be used to provide limited warmth in the shelter and lighting at night.
Case, Missile (TOW Tube)	The case is used to pack the 2-crewmember AMSS for the AH- i.
Cloth, Parachute	Parachute cloth can be used as a head cover, for carrying objects, to provide shelter, and other uses.
Compass	Used to determine direction or location.
Container, Survival (SM, MED, LG)	Rigid containers are used to pack 2, 3 or 4-crewmember AMSS.
Cord, Nylon	Cord, nylon (100 and 300 lb breaking strength) is used primarily to tie and secure items together.
Cover, Individual: Camouflage, Desert, Snow, & Woodland	Used to camouflage by covering the person to blend in with surrounding environment.
Cup, Water, Canteen	Used for drinking, heating water, or cooking.
Demineralizer, Reverse Osmosis (Water Purifier, MROD-06)	The water purifier. MROD-06, is used to make potable drinking water.
Desalter Kit, Seawater	The desalter kit, seawater, is used to make potable drinking water from salt water.
Entrenching Tool, Hand	The entrenching tool is used to dig holes and cut small trees or bush roots.

Table 1-4. Equipment Operational Description (Continued)

Equipment	Description
Equipment Bags	Used to transport AMSS components in post-crash or survival situations.
• Bag, Rescue Equipment	Used to pack AMSS components for insertion in TOW tube.
• Case, Individual Survival Kit (Cold Climate)	Used as equipment bag in rigid container or as soft pack.
• Case, Individual Survival Kit (Hot Climate)	Used as equipment bag in rigid container or as soft pack.
• Case, Individual Survival (Inner Case)	Can be used inside the other equipment bags.
Fire Starter, Aviation Survival (Spark Lite)	Used to start fires by sparking a cotton swab.
Fire-Starting Tool (Magnesium)	Used to start fires by sparking magnesium shavings.
First Aid Kit, Individual	Provides limited first aid capability.
Fishing Kit, Emergency	The fishing kit consists of fishhooks, lures, flies, fishing line, leaders, colored cloth, safety pins, assorted needles, and instructions on knotting and fishing.
Flashlight	Used for lighting at night and as a signaling device.
Food Packet, Survival	The food packets contain 1500 calories per box. Each box contains five cereal and cookie bars. one wintergreen-flavored sugar bar, one packet of sugar, one packet of chicken or beef gravy (bouillon), and one packet of flavored drink mix. Shelf like is 5 years; service is 3 years. Neither shall be exceeded.
Fork, Field Mess	The fork is used as a cooking and eating utensil.
Fuel, Compressed, Trioxane	Fuel, compressed, trioxane, is a limited source of fuel for the pocket stove.
Fuel Siphon	The fuel siphon is used to recover fuel from the aircraft fuel cell when the fuel sump cannot be accessed.
Goggles, Sun, Wind and Dust	Goggles are provided to protect eyes against possible blindness from sunlight reflecting off snow or desert sand, and to keep blowing sand, snow or dirt from damaging the eyes.
Hat, Reversible Sun	Used for protection from the sun and as a signaling flag, using the orange side of the hat.
Insect Net, Head	Used to protect skin from insects.
Insect Repellent, Personnel	Used to protect the skin from insects.
Knife, Field Mess	The knife is used as a cooking and eating utensil.

Table 1-4. Equipment Operational Description (Continued)

Equipment	Description
Knife, Hunting (Sheath)	The knife has a 5" steel blade. One side of the blade is honed, while the other side is serrated. The knife sheath is constructed of leather with a pocket to carry the sharpening stone. There is a metal tip on the sheath to protect persons from injury.
Knife, Pocket (Leatherman tool S.S.)	This knife is a multipurpose pocket knife. It contains a knife blade, awl. can opener, several screwdriver nails, and pliers.
Knife, Pocket (Leatherman tool subdued)	This knife is a multipurpose pocket knife. It contains a knife blade, awl, can opener, several screwdriver nails, and pliers.
Knife, Pocket	The pocket knife is a general purpose survival tool which has many uses. It is constructed of stainless steel and consists of one blade, can opener, bottle opener. screwdriver, and leather punch blade.
Life Preserver, Underarm (LPU- 10/P)	The LRU-10/P is an individual flotation device used for water survival.
Life Raft; Multiplace	The multiplace life raft is used for water survival purposes by seven or more persons.
Life Raft (SRU-37/P)	The SRU-37/P flotation kit consists of an LRU-18 life raft and is used for water survival purposes.
Light, Chemical	Chemical lights are to be used at night for signaling and lighting.
Light, Marker, Distress	The light marker, distress, type SDU-5/E emits a high-intensity flashing strobe light, visible for great distances, and is used to aid in rescue operations. A flash guard is used during combat.
Machete, with Sheath	The machete with sheath is used to cut brush.
Match, Non-Safety with Container	Matches are packed in a large round plastic container with screw-top cap that makes a water-tight seal. The container holds four boxes of 30-40 matches each. A rough surface on the outside bottom of the container is used for striking the match to cause ignition.
Mirror, Emergency Signaling	Mirrors can be used during overcast days and moonlight nights as well as clear days. to signal aircraft or other rescue vehicles or parties.
Net, Multipurpose	The net, multipurpose. (fishing gill net) is used for fishing. It can also be used as a hammock or as a stretcher to carry equipment, or to collect food as a hanging cache.
Paddle, Boat	Paddles ale used to propel life rafts. The reflector tape on one side may be used for signaling.

Table 1-4. Equipment Operational Description (Continued)

Equipment	Description
Paint. Face. Light Green	Camouflage sticks are used to camouflage your face by breaking shiny reflections of the face and darkening skin tones.
Paint. Face, White and Loam	Camouflage sticks are used to camouflage your face by breaking shiny reflections of the face and darkening skin tones.
Pan, Frying	Used for cooking and melting snow to make water.
Panel Marker, Survival	The panel marker is used as a signaling aid for rescue purposes.
Pin, Tent, Aluminum, 9"	Used to erect shelter.
Pin. Tent, Steel, 12"	Used to erect shelter in hard or frozen ground.
Pocket Stove	The pocket stove is used to heat water and cook in a canteen cup.
Poncho. Wet Weather	The poncho is used for shelter during periods of rain, as a makeshift stretcher, and to collect rainwater.
Pump. Inflating. Manual	Used on the multiplace life raft to inflate the buoyancy cells.
Repair Kit, Life Raft	The repair kit is used to fix punctures and small tears in the multiplace life raft.
Saw. Hand-Finger Grip	The saw has two rings with thumb screws to retain the round saw blade.
Saw Knife Assembly, Survival	The ice saw-knife is used in extreme cold weather survival conditions. It is used to cut ice and small (2-4" diameter) trees or brush to be used as shelter.
Saw-Knife-Shovel Assembly	The saw-knife-shovel assembly consists of a handle that is used with each of the pieces. Care must be taken. as the blade of the knife/saw is very sharp and is not to be used as an ax or hatchet during extreme cold weather. This will cause the blade to shatter.
Sea Marker, Fluorescent	The sea marker is used to attract rescue aircraft. The dye is exhaused in 20 to 30 minutes. It has a fluorescent green color which ceases to be a good target after an hour. The dye marker is contained within a yellow, vinyl, resin-coated cloth pouch with an attaching tape.
Sewing Kit	Used to repair torn clothing, or as a last resort, perform first aid suturing.
Sharpener. General Purpose	Used to sharpen knife blades or to sharpen a piece of aircraft skin to make a survival knife.

Table 1-4. Equipment Operational Description (Continued)

Equipment	Description
Signal, Smoke and Illumination	MK13 or MK124 glares are used to aid in rescue, both during day and night. Signal flares have no shelf life.
Sleeping Bag	The sleeping bag, eight SRU-15/P or Arctic Survival is vacuum-pressure packed and sealed at the factory and cannot be repacked. If opened, it cannot be re-sealed and used again in the survival kit. It can either be used for training, or turned in for disposal, as required.
Snap Link, Mountain	Snap links are used to connect the TOW tube equipment bags together, as a rope pull through, or for other functions.
Snowshoes, Trail-type	Snowshoes are used for traveling in deep snow.
Speedhook, Snare	The speedhook snare is used to snare fish and animals.
Sponge	Sponges are used to empty water out of life rafts.
Spoon, Field Mess	The spoon is used as a cooking and eating utensil.
Spoon, Picnic (Plastic)	The spoon is sealed in a plastic bag, and is used as an eating utensil.
Stone, Sharpening	The sharpening stone is used to keep knife edges sharp.
Strap, Rubber, Tiedown (15", 21") 31")	Used in OH-58D and AH-64 to secure the AMSS soft packs.
Sunglasses	Sunglasses may be worn to protect against extreme sun glare which could cause temporary blindness.
Sunscreen Preparation	The sunburn prevention preparation is used to protect exposed skin from the sun.
Survival Kit, Individual (First Aid)	The kit is a combination of first aid kit and limited survival equipment components.
Deleted	Deleted
Tarpaulin (11' x 7')	The tarpaulin is used as a shelter, a signaling panel, and to collect rainwater.
Tent, Multi-Purpose	The tent may be used as a tent shelter, sit shelter, long or short coat, poncho or sleeping cover.
Tent Liner, Sleeping Bag	The optional liner mat may be used as a light, medium weight, or cold climate sleeping bag (in temperatures +10F to -20F) or worn underneath the shelter (tent) when worn as a coat or poncho.
Tiedown Strap (Parachute Quick-Release Snaps)	The tiedown strap (Parachute quick-release snaps) can be used as carrying straps, or for securing caches in trees.

Table 1-4. Equipment Operational Description (Continued)

Equipment	Description
Tool Kit, Pioneer	It has a shovel, ax head, hammer head, and saw blade that fits onto a hollow handle.
Tool Kit, Survival	The tool kit contains an ax, burning lens, sharpening stone, and cotton duck case.
Towel, Bath	The terry cloth towel (20" x 40"), is used to absorb water inside a raft or to keep the direct sun off the head.
Tubing, Nonmetallic	The tubing is made of latex and used in making a solar still.
Water, Drinking, Emergency (4 oz)	The water is intended for use in emergencies when no potable water is available. One pouch contains 4 oz of water and will support the immediate needs of a survivor.
Whistle, Ball, Plastic	The whistle is used for attracting attention of rescue personnel. The whistle is made of plastic with a lanyard attached for easy access and to prevent loss.
Wire, Nonelectric (Snare Wire)	The snare wire (20') is to be used in snaring small game.

CHAPTER 2

AVIATION MAINTENANCE AVUM

SECTION I. REPAIR PARTS, TOOLS; SPECIAL TOOLS; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE); AND SUPPORT EQUIPMENT

2.1 COMMON TOOLS AND EQUIPMENT. For authorized common tools and equipment, refer to the Modified Table of Organization and Equipment (MTOE), CTA 50-970 or CTA 8-100, as applicable to your unit.

2.2 SPECIAL TOOLS. TMDE AND SUPPORT EQUIPMENT. All special tools. TMDE and support equipment are listed in Appendix C. The Maintenance Allocation Chart in Appendix B shows which level of maintenance is required to repair each item of the AMSS.

2.3 REPAIR PARTS. Mandatory replacement and repair parts are listed and illustrated in Appendix C of this manual.

SECTION II. SERVICE UPON RECEIPT

2.4 QUALIFIED PERSONNEL.

Personnel engaged in inspecting, repairing, and packing survival kits and components must be a life support school graduate holding the Additional Skill Identifier (ASI) of H2 or Q2.

2.5 INSPECTION OF NEWLY RECEIVED EQUIPMENT.

a. When new components are received from the supply source, a packing list will be furnished. This list will be used to ensure that all AMSS components are present upon receipt. Place a DD Form 1577-2 [Unserviceable (Repairable) Tag Materiel] on the components. The components are considered to be in a STORAGE condition, until placed in service.

b. Inspect the equipment for damage incurred during shipment. If the equipment has been damaged, report the damage on SF-364, Report of Discrepancy.

c. Check the equipment against the packing slip to see if the shipment is complete. Report all discrepancies in accordance with the instructions of DA PAM 738-751 as applicable.

d. Inspect all items using the procedures from the PMCS Table in Section IV of this manual.

2.6 PROCESSING AMSS COMPONENTS.

After inspection the components should undergo the following procedures.

2.6.1 Vacuum/Heat Seal.

Recommend units vacuum pack items which may possibly leak, corrode, or spoil (i.e., water, food, medicine, batteries).

WARNING

Do not use on wet surfaces,

Do not immerse any part of the vacuum/heat sealer, cord or plug in water or other liquid.

a. Choose Roll Size.

(1) Plastic material comes in continuous 22 feet rolls in two widths: -- 8" (D77) or 11" (078) and can be customized to any length. Bags need to be cut off the roll and sealed at one end prior to vacuuming. Precut bags (079) are also available.

(2) Life the operating lever up into the " OPEN" position. Place the desired size roll of plastic material into the bag storage compartment. The roll should be placed so that the embossed layer is underneath, and the clear smooth side is facing up when the roll is pulled forward.

b. Estimate Bag Length.

(1) Estimate length of bag material needed by laying item to be vacuum packed in front of the vacuum/heat sealer. Pull bag material forward from the bag storage compartment. Allow at least 3 inches from the item to the end of the bag, and 1 extra inch for each time you plan to open and re-use the bag.

(2) Place the operating lever down into the " CLOSED" position. Depress and hold the operating lever down in the center at the arrow. At the same time, depress the gray cutting blade assembly and slide across the blade channel to cut the bag. The cutting blade will cut from left to right or right to left. Release operating lever and lift to the " OPEN" position to remove the cut bag. Tuck open end of bag roll back into storage compartment.

c. Seal One End of Bag.

NOTE

The vacuum/heat sealing machine has an over-heat shut off sensor. If the machine stops working, wait 15 minutes and then proceed with packaging procedures.

(1) Depress the " ON-OFF" switch down into the " ON" position (the green light will come on). Rest the open end of the bag on top of the heat sealer bar (bag should not overhang into vacuum channel). The clear smooth side of the bag material should be facing up. Bring operating lever down into " CLOSED" position. Sealer dial on right side should ideally be set at " 5" . Sealing time can be adjusted by turning dial clockwise for a longer sealing time, counter-clockwise for a shorter sealing time.

(2) Using firm, even pressure, depress and hold down center of operating lever at arrow to activate vacuum pump. At the same time, depress and hold seal switch to seal bag. Sealer light will come on and shut off automatically. Release operating lever and lift lever up to " OPEN" position to remove bag. The edge of the bag should be smoothly sealed all the way across.

CAUTION

When packaging products with any sharp surface, protect the bag from punctures by first wrapping the product in a cushioning material, such as paper towels, foam rubber, newspaper, or tissue.

NOTE

Check both corners to ensure a complete seal from side to side.

d. Fill Bag Insert item(s) to be vacuumed into bag. Always exercise care when vacuuming. Any residue that collects along the open end of the bag may obstruct the sealing area and prevent a strong seal.

NOTE

Sometimes you want the advantage of air-tight packaging without the crushing effect of the vacuum. When vacuuming these fragile items in bags, watch the bag instead of the vacuum indicator gauge. When the bag forms itself around the item, activate the seal switch.

e. Vacuum and Seal Bag.

(1) Lift operating lever up to "OPEN" position. Place open end of bag into vacuum channel; clear, smooth side of bag should be facing up. Flatten bag and press down to ensure all edges of open end of bag are completely inside the channel area. If any part of open end of material is not inside the vacuum channel, bag will not vacuum completely. Bulky items sometimes make it difficult to achieve a smooth sealing surface. Gently stretch the bag flat along the heat sealing bar before closing the operating lever. Place operating lever down into "CLOSED" position over bag.

(2) Using firm, even pressure, depress and hold down center of operating lever at arrow to activate vacuum pump. Watch vacuum gauge on left side of unit; when gauge is completely green, depress and hold seal switch to seal bag. Sealer light will come on and shut off automatically.

f. Ensure proper seal If you are uncertain that you've achieved a complete seal, and there are no wrinkles along the sealing area, simply seal the bag again about 1/4 inch outside the first seal.

g. Remove bag and store properly Release seal switch and operating lever. Lift lever up into "OPEN" position. Closed end of bag should be smoothly sealed all the way across. Bag can then be removed and stored. Make sure to store bags properly.

NOTE

Automatic Use When Vacuum Packing Bags Depress and hold the lever to begin activating the vacuum pump. Once the vacuum gauge begins to turn green, the lever may be released, and vacuuming will become automatic. Once the gauge is completely green, make sure to depress and hold the seal switch to heat seal the bag. Sealer will come on and shut off automatically when sealing is complete.

2.6.2 Storage Requirements. Refer to Chapter 2 Section VII of this manual.

2.6.3 Assembly of AMSS.

2.6.3.1 Procedures for Assembling the AMSS.

a. The AMSS has minimum essential components based on the number of crewmembers and for each aircraft for crew rescue and survival (Table 1-2). These minimum essential components must be onboard the aircraft; however, additional components may be added from Table 1-3 to tailor the AMSS to meet mission and environmental conditions.

b. The AMSS may be packed in the equipment bags (soft packs) and/or in the rigid containers. When the rigid containers are used, the components will be packed in the equipment bag(s) then inserted into the rigid container. These equipment bags are intended to be used to transport the AMSS during rescue and survival.

c. Components will be distributed between the equipment bags when more than one bag is used.

2.6.3.2 Procedures for Assembling the Equipment In Soft Packs. and Rigid Containers.

NOTE

The following are only suggested packing procedures. The unit may pack the AMSS to meet mission requirements.

a. The minimum essential components of the two-crewmember AMSS can be packed into one equipment bag or soft pack module. When the small rigid container is used. the components may be packed into two equipment bags.

b. The minimum essential components of the three and four-crewmember AMSS can be packed in two equipment bags. When using the medium rigid container, use only the number of equipment bags required to hold the components.

c. Commanders may use additional components from Table 1-3 to meet mission and environmental requirements. Tailoring component will be equally distributed among equipment bags. Additional equipment bags and rigid containers will be added to the AMSS, as required.

d. Outer containers (rigid or soft pack) will be sealed using safety 28 A.W.G. wire and an anti-pilferage seal (D86).

e. Place a DD Form 1574 (Serviceability Tag-Materiel) on the outer container to ensure prompt identification of a time-change item and its replacement. All of the components then become IN-SERVICE and will comply with all serviceability rules.

2.6.3.3 Procedures for Assembling the AH-1 TOW Tube Module Equipment.

CAUTION

During packing of the module, ensure equipment bags will slide in the tow tube without excessive force. This is to ensure the bags can be extricated from the module during egress.

a. First equipment bag:

(1) Place the equipment bag into the tube with the slide fasteners all the way down to each side. Spread the bag material around the opening of the tube.

(2) Coil the siphon hose tightly around one end of shelter.

(3) Insert the shelter into the equipment bag end with the fuel siphon first. Pack two chemical lights and up to twelve water packets around the shelter. taking advantage of the depressions caused by vacuum packing. Insert food packets (3). vertically and remaining water packets around shelter. Continue to slide equipment bag into module as it is packed. Ensure the equipment bag is not packed so tight that it causes excessive friction pressure against the wall of the module. At this point, components packed in the equipment bag should not exceed the height of the shelter.

(4) Place pocket stove on its side horizontally and match container on its side on top of the shelter. Insert two flares vertically next to the stove. (Two additional water packets can be placed in the space around the stove and match container.) Place the light marker distress, with its three batteries. on top of the stove. Approximately 6 inches of additional space will be remaining. Close the zippers on the equipment bag.

b. Second equipment bag

(1) Attach snaplink to the top strap of the first equipment bag and the bottom strap of the second bag. Slide bottom bag into module approximately 6 inches. Insert second bag into module with each zipper all the way down on each side. Spread bag material around the opening of the tube.

(2) Insert vacuum-packed shelter into equipment bag. Insert survival field manual (FM) next to shelter. Place water packets between tent and FM. Also. place water packets around shelter, taking advantage of depressions caused by vacuum packing. Slide equipment bag into module up to the level of packed equipment. Ensure slide fasteners are closed above opening of the bag equally. so when bag is filled the slide fasteners are together at the center of the end.

(3) Place twochemical lights and three food packets vertically on top of FM and water packets. At this point. components packed in the equipment bag should not exceed the height of the shelter.

(4) Place MROD-06 water purifier and the remaining two flares vertically on top of packed components. Then place the fire starter. either magnesium or Spark Lite, on top of the MROD-06. Close zippers and slide equipment bag into module. Place a DD Form 1574 on last bag (See DA PAM 738-75 1). This will ensure prompt identification of a time change item and its replacement. All of the components then become INSERVICE and will comply with all serviceability rules.

(5) Secure with anti pilferage seal (D86).

(6) Stencil next inspection due date on tow tube.

(7) The preferred aircraft location is right side, outside, upper missile launcher position.

NOTE

Any remaining space within the equipment bag can be Packed with optional equipment.

2.6.4 Installation Instructions.

Refer to Chapter 1, Paragraph 1.10.2 location and description of major components.

SECTION III. EQUIPMENT CHECK PROCEDURES

2.7 EQUIPMENT CHECK PROCEDURES.

Refer to Chapter 2, Section IV (PMCS).

SECTION IV. PREVENTATIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

2.8 GENERAL.

To ensure proper operation of the AMSS certain required Preventive Maintenance Checks and Services (PMCS) are presented in Table 2-1. The PMCS are based upon the principles of Reliability Centered Maintenance (RCM) logic. Checks and services are arranged in a logical sequence requiring minimal time and motion to perform.

2.8.1 Procedures. Table 2-1. Preventive Maintenance Checks and Services (PMCS) lists the inspections and services required to keep the equipment in good operating condition.

a. The Item No. column gives the order in which the PMCS shall be performed (in numerical order).

b. The Interval column tells you when to do a certain check or service.

c. The Item to be Checked or Serviced column lists the items to be checked.

d. The Procedure column tells how to do the required checks and services.

e. The Not Fully Mission Capable If: column states the criteria by which the equipment cannot be used until corrective maintenance has been performed.

2.8.2 Inspection Intervals. Each AMSS must be inspected at prescribed intervals to ascertain the serviceability of the kit components. All discrepancies or defects discovered during the applicable inspection, the corrective action taken, the inspection accomplishment, and the next inspection due date, will be recorded as prescribed in DA PAM 738-751.

a. This section contains a tabulated listing (Table 2-1) of preventive maintenance checks and services which must be performed by ALSE qualified personnel. The AMSS and related survival components are listed consecutively and the numbers indicate the sequence of minimum inspection requirements. The intervals of inspection for the AMSS are as follows:

(1) Prior to issue, then every 360 days ± 10% not to exceed 365 days.

(2) When the anti-pilferage seal has been tampered with or is missing.

b. Attach a Serviceable Tag - Material (DD Form 1574), on an AMSS which has been determined to be serviceable. A completed DD Form 1574 will be attached to each rigid container or soft pack as follows:

(1) Rigid container (small, medium or large). Using one turn single, type 1 nylon cord, secure the material condition tag to a highly visible outer container latch. An alternate method to display material condition tag is by use of plastic document envelope used for shipping.

(2) Soft Pack (canvas/nylon equipment bag being used without a rigid container). Using one turn single, type 1 nylon cord, secure the material condition tag to the outer case pocket flap.

(3) AH-1 TOW Tube container. Using one turn single type 1 nylon cord, secure the material condition tag to the top equipment bag. Stencil date of next inspection due on tow tube.

NOTE

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Table 2-1. Preventive Maintenance Checks and Services

Item No.	Interval	Item to be Checked or Serviced	Procedures	Not Fully Mission Capable If:
		PART I: Mandatory Items		IF any discrepancy is noted, remove from
1	360 ± 6 days	Case, Missile (Tow Tube)	Inspect for damaged end caps,over-center latches and container cracks.	service and repair or replace IAW procedures in this chapter.
2	360 ± 6 days	Container, Survival (Large) Container, Survival (Medium) Container, Survival (Small)	a. Inspect for broken carrying handles, over-center latches, and pressure relief valve. b. Inspect container for cracks and punctures. c. The lid assembly cording gasket shall be replaced if it is defective, if the gasket has taken a permanent set, if the top surface of cording gasket is more than 3/l6 inch below he upper surface of the gasket groove, or if container leaks at the parting line (Figure 2-5, detail C).	
3	360 ± 6 days	Demineralizer, Reverse Osmosis (Water Purifier, MROD-06)	Inspect for dents in the body and handles, and damaged, broken, or missing tubes.	
4	360 ± 6 days	Equipment Bags	Inspect for holes, cuts, frays, tears, lose or broken stitching, defective or broken slide fastener, missing or broken pocket tie tape, broken carry-ng handle, grommet seating, and operator's manual in pocket.	
5	360 ± 6 days	Fire Starter, Aviation Survival (Spark Lite)	Inspect for legible instructions, serviceability, and damage to container.	
6	360 ± 6 days	Fire Starting Tool (Magnesium)	inspect for broken magnesium bar, sparking side, and illegible instructions.	
7	360 ± 6 days	Food Packet, Survival	Inspect for illegible instructions, date of manufacture (if on box), date put into service, unsecured end flaps, crushed or damaged box. DO NOT OPEN TO INSPECT CONTENTS.	
8	360 ± 6 days	Fuel, Compressed, Trioxane	Inspect for missing or illegible instructions, crushed fuel bar and that the container is sealed.	

Table 2-1. Preventive Maintenance Checks and Services (Continued)

Item No.	Interval	Item to be Checked or Serviced	Procedures	Not Fully Mission Capable If:
		PART I: Mandatory Items		If any discrepancy is noted, remove from
9	360 ± 6 days	Fuel Siphon	Inspect security of reducer fittings and cracks in hose.	service and repair replace IAW procedures in this chapter.
10	360 ± 6 days	Light, Chemical	Inspect outer foil for illegible instructions, punctured case, and expiration date.	
11	360 ± 6 days	Light, Marker, Distress	Inspect IAW TM 55-1680-322-12/T.O. 14S-10-2-2.	
12	360 ± 6 days	Battery, Non-Rechargeable (for Light, Marker, Distress)	a. Inspect for signs for leaking, expiration date. b. Test IAW TM 55- 1680-322- 12/T.O. 14S-10-2-2.	
13	360 ± 6 days	Match, Non-Safety with Container	a. Inspect for broken match sticks, match heads stuck together, and container damage. b. Sample match should light when struck.	
14	360 ± 6 days	Pocket Stove	a. Inspect for dents in stove and lid. b. Inspect corners for broken or missing metal set.	
15	360 ± 6 days	Tent, Shelter/Multi-Purpose	Inspect for holes, cuts, frays, tears, loose or broken stitching, damaged tie down loops, slide fasteners, vent screening, poles, shock cords, pegs, hood cord and shock cords on each end.	
16	360 ± 6 days	Signal, Smoke and Illumination	Inspect for damage, severe dents, or deformity, broken seals, labeling on day and night ends, and embossed projections on night end.	
17	360 ± 6 days	Survival Manual (AFM 64-5) or (F1-21-76)	Inspect for missing pages and torn pages, dampness and legibility.	
18	360 ± 6 days	Water, Drinking, Emergency (4 oz)	Check for illegible instructions, and expiration date.	

Table 2-1. Preventive Maintenance Checks and Services (Continued)

Item No.	Interval	Item to be Checked or Serviced	Procedures	Not Fully Mission Capable If:
		PART II: Approved Equipment List		If any discrepancy is noted, remove from service and repair or replace IAW procedures in this chapter.
1	360 ± 6 days	Aluminum Foil	Inspect for signs of corrosion.	
2	360 ± 6 days	Bag, Self Sealing (Zip Lock)	Inspect for tears, cuts, and holes.	
3	360 ± 6 days	Bag, Storage, Drinking Water (10 pint) Bag, Storage, Water (3 pint)	Inspect for tears, cuts, holes, cracks, breaks, or abrasions, sharp creases or wrinkles, attaching components loose or missing, and foreign material inside bag which may damage container or injure user.	
4	360 ± 6 days	Bailer, Boat	Inspect for cuts, tears, holes and missing or broken lanyard.	
5	360 ± 6 days	Blanket, Lightweight	Inspect for tears to packaging and for missing instructions. Not necessary to take blanket out of packaging if no apparent damage is visible.	
6	360 ± 6 days	Candle, Illuminating	Inspect for wick missing or not extending beyond candle tip, dirt, dust, or other foreign material imbedded in candle body, broken, warped, or fused candle, burned, and not white in color.	
7	360 + 6 days	Cloth, Parachute	Inspect for tears and signs of rot.	
8	360 ± 6 days	Compass, Magnetic	Inspect for cracked or broken dial Face cover, and operation.	
9	360 ± 6 days	Cord, Nylon	Inspect for signs of rot.	
10	360 ± 6 days	Cover, Individual: Camouflage, Desert Cover, Individual: Camouflage, Snow Cover, Individual: Camouflage, Woodland	Inspect for tears, signs of rot, and dirt.	
11	360 ± 6 days	Cup, Water, Canteen	Inspect for dents, cracks, corrosion, sharp edges, burrs, slivers, and cleanliness.	

Table 2-1. Preventive Maintenance Checks and Services (Continued)

Item No.	Interval	Item to be Checked or Serviced	Procedures	Not Fully Mission Capable If:
12	360 ± 6 days	Desalter Kit, Seawater	Inspect for seals missing from container seams, missing rivets, cracks, nicks, or burrs on container, broken or missing lanyard, and instructions and markings on container missing or illegible.	If any discrepancy is noted, remove from service and repair or replace IAW procedures in this chapter.
13	360 ± 6 days	Entrenching Tool, Hand	Inspect for rust or corrosion, burrs or rough protrusions on handle, nicks or burrs on blades, and dull cutting edge.	
14	360 ± days	First Aid Kit	Inspect IAW TB 740- 10 and inventory IAW C-6545-IL, Vol. 2.	
15	360 ± 6 days	Fishing Kit, Emergency	Inspect for broken seal around perimeter of container, corrosion of kit contents, broken or cracked container, missing instruction booklet, and evidence of tampering.	
16	360 ± 6 days	Flashlight		
17	360 ± 6 days	Fork, Field Mess	Inspect for rust or corrosion and burrs on edges.	
18	360 ± 6 days	Goggles, Sun, Wind and Dust	Inspect for rotted rubber frame, scratched lens, and missing elastic headband.	
19	360 ± 6 days	Hat, Reversible Sun	Inspect for cuts, frays, tears, and broken or loose stitching.	
20	360 ± 6 days	Insect Net, Head	Inspect for holes or tears in net ting, broken or loose stitching, missing or broken elastic headband, loose or missing grommets, missing or broken drawstring and elastic pocket attaching loops, insect repellent on elastic, and missing or illegible instruction ticket.	
21	360 ± 6 days	Insect Repellent, Personnel	Inspect for breaks or dents in container, evidence of seepage or leakage, and illegible instructions.	
22	360 ± 6 days	Knife, Field Mess	Inspect for rust or corrosion, and burrs on edges.	

Table 2-1. Preventive Maintenance Checks and Services (Continued)

Item No.	Interval	Item to be Checked or Serviced	Procedures	Not Fully Mission Capable If:
23	360 ± 6 days	Knife, Hunting (Sheath)	Inspect for rust or corrosion, burrs or rough protrusions on handle, nicks or burrs on blades, cutting edge dull, and sharpening stone missing.	If any discrepancy is noted, remove repair or replace IAW procedures in this chapter.
24	360 ± 6 days	Knife, Pocket (Leatherman tool S.S.) Knife, Pocket (Leatherman tool subdued)	Pliers unable to open, knife blade and other blade missing or broken, rust or corrosion.	
25	360 ± 6 days	Knife, Pocket	Inspect for rust or corrosion, missing rivets, loose clevis, burrs or hard to open, nicks or burrs on blades, cutting edge dull, awl blade certain that spring bars are not broken.	
26	360 ± 6 days	Life Preserver, Underarm (LPU-10/P)	5-4220-202-14/T.O. 14S-1-102 or NAVAIR 13-1-6.1	
27	360 ± 6 days	Life Raft (LRU - 13/A) Life Raft (LRU- 1/P) Life Raft (LRU- 17/P)	5-4220-202-14/T.O. 14S-1-102 or NAVAIR 13-1-6.1	
28	360 ± 6 days	Life Raft (LRU- 18/U)	l-4220-250-12&P	
29	360 ± 6 days	Machete, With Sheath	Inspect for blade damage, torn stitching.	
30	360 ± 6 days	Mirror, Emergency Signaling	Inspect for scratches, chips, instructions, and broken or missing lanyard.	
31	360 ± 6 days		or opened package.	
32	360 ± 6 days	Paddle, Boat	Inspect for cracks, dents, rough and broken or missing handle strap.	
33	360 ± 6 days	Paint, Face, Light Green	Inspect for breaks or dents in leakage, and illegible instructions.	

Table 2-1. Preventive Maintenance Checks and Services (Continued)

Item No.	Interval	Item to be Checked or Serviced	Procedures	Not Fully Mission Capable If:
34	360 ± 6 days	Pan, Frying	Inspect for dents, cracks, corrosion, sharp edges, burrs, slivers, and cleanliness.	If any discrepancy is noted, remove from service and repair or replace IAW procedures in this chapter.
35	360 ± 6 days	Panel Marker, Survival	Inspect for tears, signs of rot, and dirt.	
36	360 ± 6 days	Pin, Tent, Aluminum, 9 in. Pin, Tent, Steel, 12 in.	Inspect for cracks, dents and rough edges.	
37	360 ± 6 days	Poncho, Wet Weather	Inspect for rips, holes, scuffs, or burns, loose or broken stitching, defective grommets or snap fasteners, and missing or broken hood and waist drawcords.	
38	360 ± 6 days	Pump, Inflating, Manual	Inspect for dents, smooth operation, and rust or corrosion.	
39	360 ± 6 days	Repair Kit, Life Raft	Inspect for missing components and illegible instructions.	
40	360 ± 6 days	Saw, Hand-Finger Grip	Inspect for rust and corrosion.	
41	360 ± 6 days	Saw, Knife Assembly, Survival	Inspect for rust or corrosion, burrs or rough protrusions on handle, and missing saw teeth.	
42	360 ± 6 days	Saw-Knife-Shovel Assembly	Inspect for nicks, dents, broken saw teeth, and blade sharpness.	
43	360 ± 6 days	Sea Marker, Fluorescein	Inspect for holes, cuts, or tears in packet, pack opening tape not sealed completely, broken or missing retainer tape and instruction markings missing or illegible.	
44	360 ± 6 days	Sewing Kit	Inspect for missing components, rusty pins and needles, and rotten thread.	
45	360 ± 6 days	Sharpener, General Purpose	Inspect for missing components.	
46	360 ± 6 days	Tent Liner/Sleeping Bag	Inspect for tears, holes, cuts, frays, and loose or broken stitching.	

Table 2-1. Preventive Maintenance Checks and Services (Continued)

Item No.	Interval	Item to be Checked or Serviced	Procedures	Not Fully Mission Capable If:
47	360 ± 6 days	Sleeping Bag	Evidence of container having been opened, center sealing tape loose by more than l/4 inch, threaded pin loose, missing wingnut, missing washers, instruction label illegible, cracks in container, vacuum lost, container and bag inflating.	If any discrepancy is noted, remove from service and repair or replace IAW procedures in this chapter.
48	360 ± 6 days	Snap Link, Mountain	Inspect for operation and oxidation.	
49	360 ± 6 days	Snowshoes, Trail-type	Inspect for broken or missing strings, broken frame, and missing hoe straps.	
50	360 ± 6 days	Speedhook, Snare	Inspect for missing components, frayed wire, and string.	
51	360 ± 6 days	Sponge	Inspect for foreign material embedded in sponge, tears, cuts, material deterioration, and for softness of sponge.	
52	360 ± 6 days	Spoon, Field Mess	Inspect for rust or corrosion, and burrs on edges.	
53	360 ± 6 days	Spoon, Picnic (Plastic)	Inspect for wrapping missing or torn, previous use, evidence of finger marks, dirt, or grease, and plastic cracked or broken.	
54	360 ± 6 days	Stone, Sharpening	Inspect for broken or chipped stone.	
55	360 ± 6 days	Strap, Rubber, Tie-down (l5", 21", 31")	Inspect for damage or distortion to buckles, clip, and dee ring, wear or damage to webbing, and loose, frayed, or broken stitching.	
56	360 ± 6 days	Sunglasses	Inspect for scratched lens and broken bows.	
57	360 ± 6 days	Sunscreen Preparation	Inspect for breaks or dents in container, evidence of seepage or leakage, and illegible instructions.	
58	360 ± 6 days	Survival Kit, Individual (First Aid)	Inspect IAW TB 740-10 and inventory IAW C-6545-IL. Vol. 2.	
59	360 ± 6 days	Tarpoulin (11 x 7 ft)	Inspect for holes, cuts, frays, tears, bums, loose or broken stitching, and damaged grommets.	

Table 2-1. Preventive Maintenance Checks and Services (Continued)

Item No.	Interval	Item to be Checked or Serviced	Procedures	Not Fully Mission Capable If:
60	360 ± 6 days	Tie-down Strap (Parachute Quick-Release Snaps)	Inspect for damage or distortion to buckles, clip, and dee ring, wear or damage to webbing, loose, frayed, or broken stitching, and secure attachment of fasteners.	If any discrepancy is noted, remove from service and repair or replace IAW procedures in this chapter.
61	360 ± 6 days	Tool Kit, Pioneer	Inspect for corrosion or damage to ax and shovel.	
62	360 ± 6 days	Tool Kit, Survival	Inspect for corrosion or damage to ax cutting edge, cracks or chips in burning lens or sharpening stone, and broken or loose stitching on the tool kit carrier.	
63	360 ± 6 days	Towel, Bath	Inspect for tears and cleanliness.	
64	360 ± 6 days	Tubing, Nonmetallic (Latex)	Inspect for cracks and holes.	
65	360 ± 6 days	Whistle, Ball, Plastic	Inspect for cork ball, eyelet rivet, or helical split ring missing, body cracked or broken, cracks, chips, or broken edges on mouthpiece, evidence of dirt or foreign material, and lanyard torn, cut, or missing.	
66	360 ± 6 days	Wire, Nonelectric (Snare Wire)	Inspect for kinks, twists, cracks, and slivers.	

SECTION V. TROUBLESHOOTING

2.9 TROUBLESHOOTING.

Table 2-2 lists common malfunctions that you may find with your equipment. Perform the tests, inspections, and corrective actions in the order they appear in the table.

Table 2-2. AMSS Troubleshooting Procedure

MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION
1. AMSS RIGID CONTAINER WILL NOT CLOSE AND/OR LEAKS. Step 1. Inspect module for placement of equipment bags. (See Paragraph 2.18.2.) Rearrange equipment bags. Step 2. Inspect module hinges for alignment. (See Paragraph 2.16.) Replace hinges if not aligned. (See Paragraph 2.18.4.) Step 3. Inspect module for proper seating of cording gasket. (See Paragraph 2.18.3.) Replace cording gasket if not seated properly. (See Paragraph 2.18.3.) 2. MROD-06 water purifier does not operate/function. a. Poor quality MROD-06 product water (above 1,000 ppm). Step 1. Inspect at start-up, or after unit has been inhibited, if system needs to be cleared. (See Paragraph 2.21.1.) This is normal. Follow operating procedures. Step 2. Inspect for membrane damage caused by chlorine or other contaminants. (See Paragraph 2.21.2.) Replace the membrane module. (See Paragraph 2.21.4.) Step 3. Inspect for damaged membrane seals. (See Paragraph 2.21.2.) Replace the membrane seals. (See Paragraph 2.21.4.) b. Low MROD-06 flow rate of product water (less than 13cc per 40 strokes), and the following: (1) Water squirts from the relief valve. Step 1. Inspect for cold water or high salinity. (See Paragraph 2.21.1.) This is normal, and no corrective action is needed. Step 2. Inspect for damaged or dirty relief valve. (See Paragraph 2.21.3.) Clean the relief valve or replace the pump body assembly. (See Paragraph 2.21.3.) Step 3. Inspect the freshwater hose for restrictions. (See Paragraph 2.21.3.) Remove restrictions. (See Paragraph 2.21.3.) Step 4. Inspect for damaged brine seal. (See Paragraph 2.21.4.) Replace brine seal. (See Paragraph 2.21.4.) (2) Water does not squirt from relief valve or pump leaks. Step 1. Inspect the rod seal for leaks. Slight leakage around the rod seal is normal. If excessive, replace the pump body assembly. (See Paragraph 2.21.4.)

Table 2-2. AMSS Troubleshooting Procedures (Con't).

MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION
(3) No leaks. Step 1. Inspect pump cavitation for kinked or clogged intake line or clogged strainer. (See Paragraph 2.21.3.) Clear the intake line and clean the prefilter. (See Paragraph 2.21.3.) Step 2. Inspect for worn linkage components. (See Paragraph 2.21.3.) Replace pump body assembly. (See Paragraph 2.21.4.) Step 3. Inspect for internal leaks. (See Paragraph 2.21.3.) Replace pump body assembly. (See Paragraph 2.21.4.) c. No flow of MROD-06 product water. Step 1. Inspect for damaged piston or piston seal. (See Paragraph 2.21.4.) Replace pump body assembly. (See Paragraph 2.21.4.) Step 2. Inspect for damaged check valve. (See Paragraph 2.21.4.) Replace pump body assembly. (See Paragraph 2.21.4.) d. Excess force required to pump the MROD-06 handle. Step 1. Inspect for a fouled membrane. (See Paragraph 2.21.2.) Replace the membrane module. (See Paragraph2.21.4.) Step 2. Inspect for a damaged brine seal. (See Paragraph 2.21.4.) Replace the brine seal. (See Paragraph 2.21.4.) Step 3. Inspect for blocked internal passages in the membrane housing. (See Paragraph 2.21.3.) Remove debris inside the housing. (See Paragraph 2.21.3.)

SECTION VI. MAINTENANCE PROCEDURES

2.10. GENERAL.

This section contains maintenance procedures which are the responsibility of the AVUM ALSE personnel as authorized by the MAC. All maintenance and inspection tasks shall be performed by qualified personnel with an additional skill identifier (ASI) of H2 or Q2. Expendable items are listed in Appendix D.

2.11 REPAIR LIMITATION.

Survival equipment not in the medical, avionics, or ordnance categories that has sustained damage or developed defects similar to those listed in Table 2-1 will be repaired only to the extent which this publication prescribes. Damaged or defective AMSS or kit components which exceed the capability for being returned to a serviceable condition, or for which there are not specific repair procedures in this manual, will be considered unserviceable and replaced with a serviceable item from stock according to the AMSS authorization outlined in the repair parts listed in Appendix C. Unserviceable survival equipment will be disposed of as stipulated by Army Regulation (AR).

2.11.1 Making Knots. During the performance of the various maintenance functions on survival kits, the making of certain type knots is prescribed. Details for the forming of knots specified in this publication are shown in Figure 2-1.

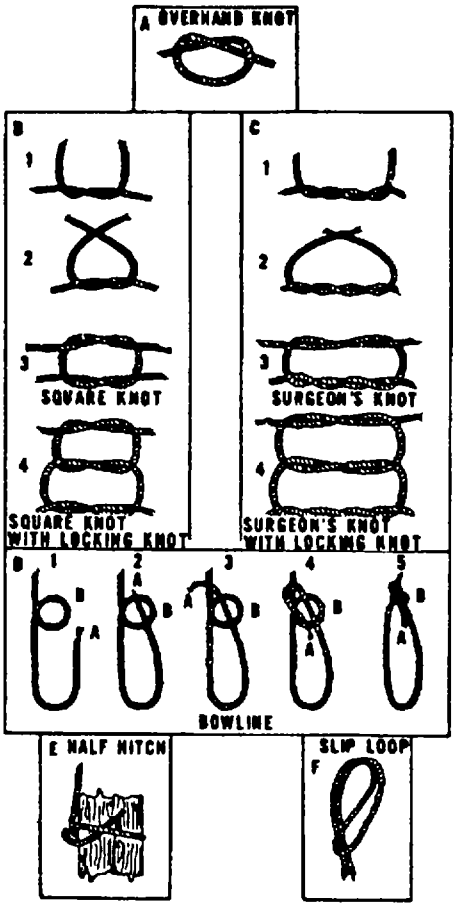

Figure 2-1. Knots Used In Survival Kit Maintenance

2.12 SEWING REPAIRS.

a. General. All sewing repairs shall be performed using the procedures specified in this chapter for the applicable textile components. Table 2-3 specifies the sewing machines prescribed for performing repairs of survival kit components and provides a code symbol which is further used in Table 2-4. Table 24 specifies the type sewing machine required for repair of a particular item, the stitch range to be used when sewing, and the type thread which is to be used. All original stitching that has been cut, in order to perform a repair, shall be removed prior to performing any sewing. Upon completion of sewing, trim excess thread ends as closely as possible to the material being sewed.

b. Stitching and Restitching. Stitching and restitching of survival kit components should be done with thread that matches the color of the original stitching, when possible. All straight stitching should be locked by backstitching each end by at least 1/2 inch. Restitching should be locked by overstitching each end 1/2 inch. Restitching should be made directly over the original stitching, following the original stitch pattern as closely as possible.

Table 2-3. Sewing Machine Code Symbols.

Code Symbol	Sewing Machine
MD	SEWING MACHINE, INDUSTRIAL (Medium Duty): General sewing, power driven, lock stitch, single needle, flat bed, with rigid table stand. See special tools list or any equivalent model.

Table 2-4. Stitching Specifications

Component	Recommended Sewing Machine (Code Symbol)	Stitches per Inch	Thread Size
Equipment Bags			
Grommet reinforcement	MD	7-9	FF
	MD	Darn	FF
Pocket tie tape	MD	7-9	FF
Carrying handle	MD	7-9	FF
Slide interlocking fastener	MD	7-9	FF
Inner Case	MD	8-11	E
Slide interlocking fastener	MD	8-11	E
Attaching strap	MD	8-11	E
Connecting strap	MD	8-11	E
Connecting strap reinforcement	MD	8-11	E
TOW Tube Equipment Bags			
Slide interlocking fastener	MD	8-11	E
Attaching strap	MD	8-11	E
Connecting strap	MD	8-11	E
Connecting strap reinforcement	MD	8-11	E
Tarpaulin	MD	7-11	E
First aid kit case	MD	8-11	E
Fishing kit case	MD	Darn	E
Tool kit carrier	MD	7-11	FF
Shelter, Aviation survival multi-purpose	MD	7-11	E
Poncho, wet weather nylon, camo	MD	7-11	E
Hat, reversible, cotton	MD	7-11	E

c. Darning. Holes or tears in survival kit textile components that do not exceed one inch in length may be darned as follows:

(1) Mark a square or circle around the area to be darned. Ensure the marking clears all edges of the damaged area by 1/4 inch.

(2) When using the applicable sewing machine, move the material back and forth under the machine needle in a manner which will allow the stitches to run with the warp or filling of the fabric until darning of the hold or tear is completed.

d. Patching. A hold or tear in a textile component of a survival kit that exceeds one inch in length or one inch in diameter should be patched. However, the affected area must not extend into a seam and must be located at a point which will allow the finished patch to be square or rectangular in shape. The patch should be applied on the outside of the applicable item only. Apply a patch as follows:

(1) Place the repairable item on a repair table, smooth the fabric around the damaged area, and secure the item to the table with pushpins. Do not pin the damaged area.

(2) Mark a square or rectangle around the area to be patched and ensure that one side of the marked square or rectangle is parallel to the warp or filling of the fabric.

(3) Cut the damaged area fabric along the lines made in (2) above. Further cut the fabric diagonally at each comer to allow a 1/2 inch foldback in the raw edges.

(4) Make a 1/2 inch foldback on each raw edge, pin, and baste to complete the prepared hold.

(5) Mark and cut a patch 2-1/2 inches wider and longer than the inside measurements of the prepared hold. Ensure that one side of the patch material is marked and cut along the warp or filling of the fabric.

(6) Center the cut patch material on the prepared hole and ensure the warp or filling of the patch material matches the warp or filling of the fabric being patched. Pin the patch material in position.

(7) Make a 1/2 inch fold under each edge of the patch material and baste the patch material to the prepared area.

(8) Remove the pushpins securing the repairable item to the repair table and secure the patch by stitching, using the applicable details in Figure 2-2. Make the first row of stitching completely around the patch. Turn the item over and make a second row of stitching around the prepared hole.

e. Slide Fastener Interlocking Repair.

(1) Repair a defective slide fastener, interlocking by removing the top end stops of the slide fastener with diagonal cutters. Remove the defective slider, replace with a like item from stock or a salvaged slide fastener. Replace the end stops.

(2) Missing end stops will be replaced with a serviceable like item from stock or salvage.

(3) Missing teeth in the slide fastener chain cannot be repaired. The complete slide fastener must be replaced.

f. Alterations.

A slide fastener interlocking that is too long, but suitable for a particular application, may be shortened as follows:

(1) Mark the slide fastener tape at the correct finished length.

(2) Using a diagonal cutter, cut across the chain one inch longer than the finished length marked, and complete the tape cutting with shears.

(3) Remove and retain the end stops. Discard scrap bits of slide fastener.

(4) Holding the diagonal cutter at a 90-degree angle to the slide fastener chain, cut the teeth from the chain even with the slide fastener tape. Remove one inch of teeth on each side of the tape, one at a time.

(5) Replace the end stops.

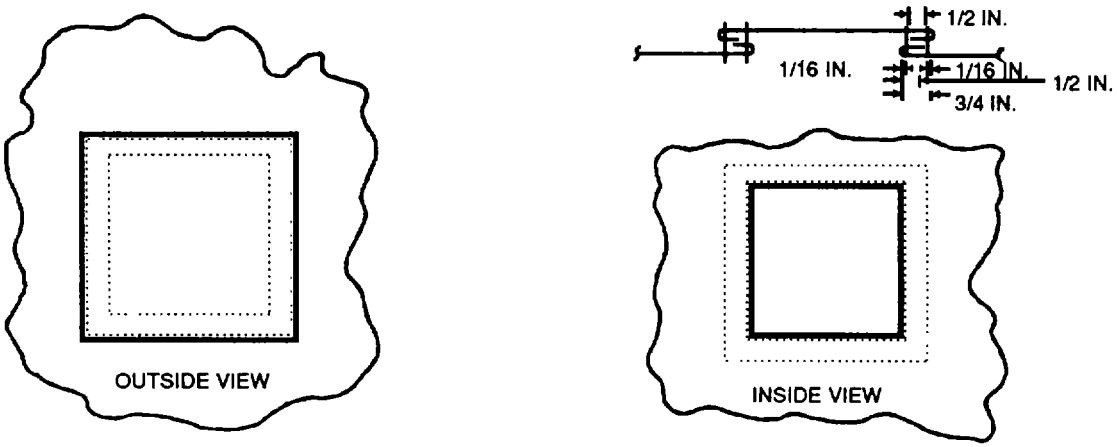

Figure 2-2. General Patching Details.

2.13 SEARING AND WAXING.

Cord, textile tape, or webbing which has been cut for use in performing maintenance will be seared or dipped in wax to prevent fraying unless otherwise specified. Searing and waxing of textile items shall be performed as follows:

a. Searing. Ends of nylon textile tape, webbing, or cord may be seared by pressing each exposed end against a hot, metal surface until the cut nylon material has melted sufficiently to prevent fraying. Avoid forming a sharp edge or a lump of melted material. Cotton textile tape, webbing, and cord will not be seared.

b. Waxing. Ends of cotton or nylon textile tape, webbing, and cord may be waxed by dipping 1/2 inch of each end in a thoroughly melted mixture of half beeswax and half paraffin to prevent fraying. Wax temperature should be to a point which will ensure a thorough penetration of the dipped material rather than just applying a coating on the material.

2.14 EYELET GROMMET REPAIR AND REPLACEMENT.

a. Repair. To repair an eyelet type grommet, use a mallet, punch, and an applicable size die. Reseat the grommet in the original location by hammering until the grommet becomes firmly seated and cannot be turned by hand.

b. Replacement. Replace a defective eyelet grommet and washer with serviceable items of the same size from stock and the following procedures:

(1) Cut the crimped edge of the original grommet at three or four points using diagonal nippers. Pry the cut crimped edges back and remove the original grommet and washer.

(2) If the fabric area around the original grommet has been damaged, repair the area by darning as outlined in paragraph 2-12, using the specifics in Table 24. However, if darning does not provide a satisfactory repair, construct a suitable sized reinforcement of the same type material as that in the original grommet location and secure the reinforcement to the inside of the damaged area using the specifics in Table 24 and patching procedures outlined in paragraph 2-12. After the reinforcement has been secured in place, darn over the reinforced area using the specifics in Table 2-4.

(3) Using a grommet hole cutter, cut a suitable sized hole in the reinforcement material to accommodate the applicable size grommet. Ensure that the hole is cut with a slightly smaller diameter than the diameter of the replacement grommet barrel.

(4) Insert the barrel of the replacement grommet through the hole cut in (3) above, and ensure the grommet flange is located on the same side of the material as the original grommet.

(5) Position the grommet on a comparable sized die with the barrel facing up and place the washer over the grommet barrel.

(6) Using a punch and mallet (Figure 2-3), spread the grommet barrel by hammering until the barrel collar is flattened and rolled down smooth on the washer.

(7) Check the seating of the grommet and whether the grommet can be turned by hand, repeat the procedure in (6) above until the grommet is firmly seated.

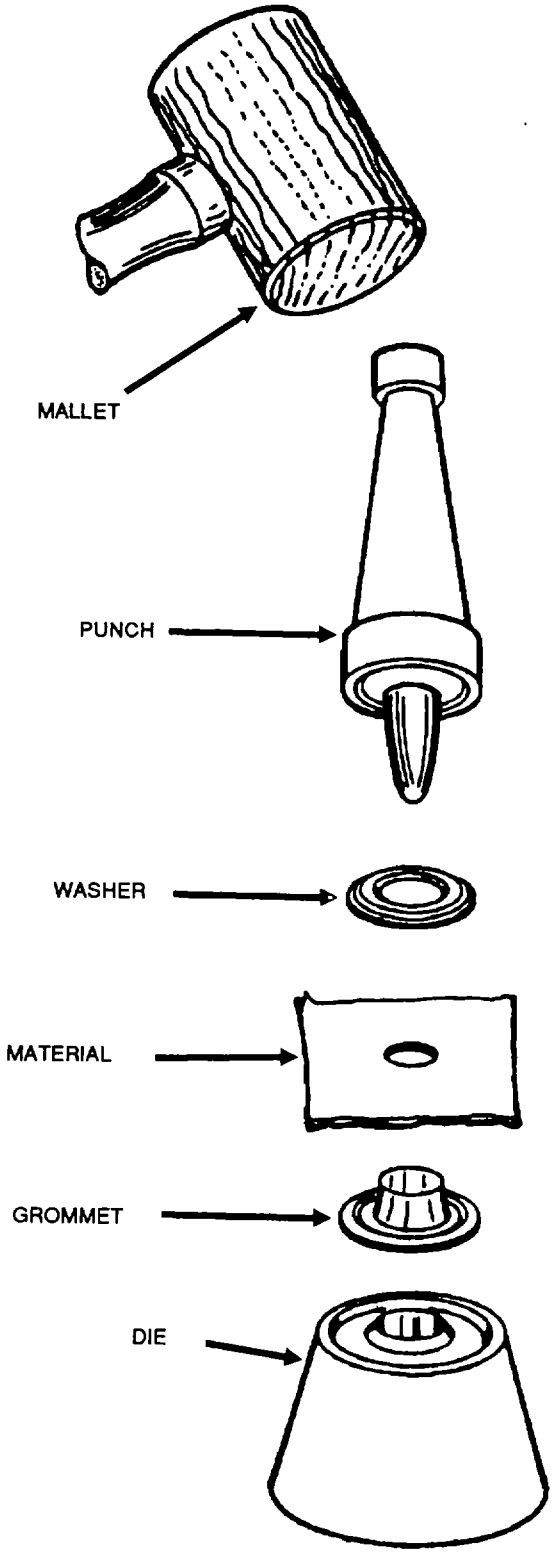

Figure 2-3. Installing an Eyelet-Type Grommet, Typical.

2.15 SNAP FASTENER REPAIR AND REPLACEMENT.

a. Repair. Repair a loose snap fastener by reseating the fastener on a hand- or foot-operated press (Figures 2-4A and B) as follows:

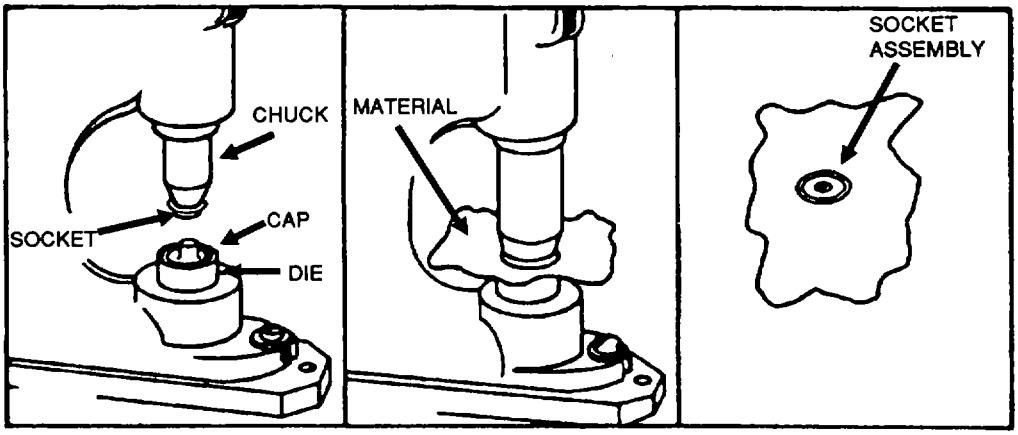

Figure 2-4A. Seating A Snap Fastener Typical (Socket Assembly).

(1) Install an applicable size chuck and die on the press.

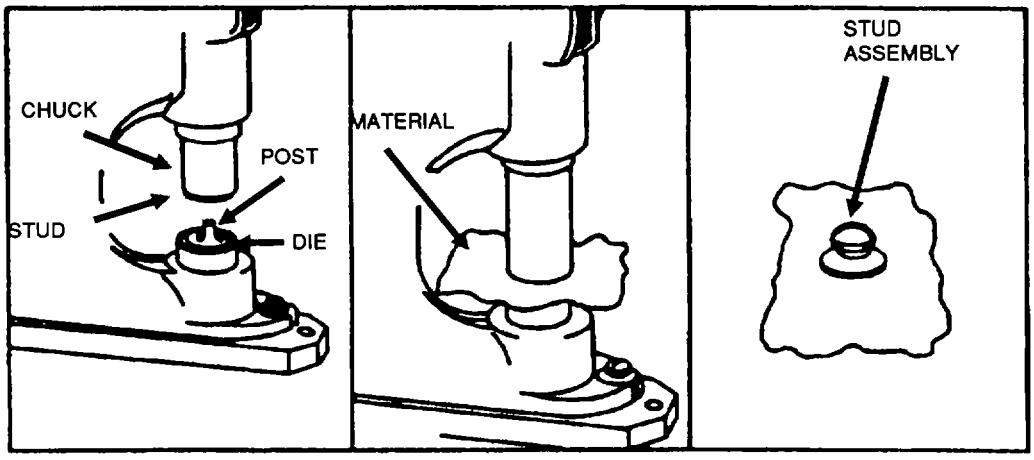

Figure 2-4B. Seating A Snap Fastener Typical (Stud Assembly).

(2) Snap the fastener socket (A) or stud (B), as applicable, in the chuck. Position the fastener cap or post, as applicable, on the die.

(3) Depress the press handle or lever to seat the socket and cap or stud and post, as applicable.

(4) Check the fastener for firm seating. If required, repeat the procedure in (3) above. Ensure the socket snaps on and off the stud without hindrance.

b. Replacement. A snap fastener which is defective or cannot be reseated shall be replaced with a serviceable item from stock. However, if only one part of the fastener is defective, such as the socket assembly or the stud assembly, just that particular assembly will necessitate replacement. Remove and replace a damaged snap fastener as follows:

(1) Remove the original snap fastener and, if applicable, repair the fabric area around the fastener using the procedures in paragraphs 2-12.

(2) Install the replacement fastener or fastener part assembly using the procedures in paragraph a. above. Ensure that prior to actuating the press, the sole cut in the fabric is placed over the stem of the cap or the stud, as applicable.

2.16 INSPECTION OF STORED AMSS.

This task covers: The inspection of the AMSS in storage

INITIAL SETUP:

Personnel Required

ASI H2 or Q2

Equipment Conditions

Stored AMSS components

To inspect the stored items, perform the following procedure:

a. Check the DD Form 1574 (Service Tag-Material) for date of last inspection.
b. Inspect the hinges for rust or improper alignment.
c. Check the Anti-Pilferage Seal to determine if missing or tampered with.
d. Inspect the chemical contamination detector for proper color (if installed).
e. Check the latches for closure.

END OF TASK

2.17 GENERAL CLEANING OF THE AMSS CONTAINERS AND EQUIPMENT BAGS.

This task covers: Cleaning

INITIAL SETUP:

Tools/Equipment

Soft-Bristle Brush
Hand Brush
Pail, Utility
Metal File

Materials/Parts

Aromatic Naphtha (D42)
Cloth (D83)
Laundry Soap (D45)
Crocus Cloth (D85)
Paint (D27)

Personnel Required

ASI H2 or Q2

Equipment Conditions

AMSS in ALSE Shop

To clean the AMSS follow the procedures below:

a. Webbing and Cloth Items. Remove all dirt, dust, or mud from webbing and cloth items by dry brushing with a soft-bristle brush or a clean cloth (D83). Grease or oil will be removed by spot cleaning with aromatic naphtha (D42) and by rubbing with a soft-bristle brush or a clean cloth. Soiled survival equipment bags will be cleaned by scrubbing with a hand brush using a laundry soap (D45) and warm water solution prior to application. When the scrubbing is completed, rinse the scrubbed area with clear, lukewarm water. Wet webbing and cloth shall be thoroughly dried before further use or storage. Drying shall be accomplished by suspending or elevating wet webbing or cloth duck items in a well-ventilated room or in a heated drying room. Drying time may be reduced by the use of fans. When heater is used, it should never exceed 200OF and must not be applied for more than three consecutive hours.

b. Metal Items. Remove all grease, oil. rust, corrosion, or other foreign matter from metal items by wiping with a cloth or buffing with a crocus cloth (D85). Remove all burrs or sharp edges by filing with a metal file or buffing with a crocus cloth. Repaint (D27) with the same color.

c. Hard Plastic Container. Remove all grease, oil, or other foreign matter from plastic items by wiping with a cloth or by buffing with a crocus cloth. Remove all burrs or sharp edges by filing with a metal file or buffing with a crocus cloth.

END OF TASK

2.18 PROCEDURES FOR THE AMSS (EXCEPT TOW TUB).

2.18.1 Removal of the AMSS (Except TOW Tube)

This task covers: Removal

INITIAL SETUP:

Personnel Required

2 People

Equipment Conditions

Installed position

To remove the AMSS, perform the following procedure:

a. Unhook retaining straps or "bungie cords".

WARNING

Use two people to carry the AMSS to prevent personal injury.

b. Remove AMSS from aircraft and return to ALSE Shop.

END OF TASK

2.18.2 Removal of the AMSS Components (Except TOW Tube)

This task covers: Removal of the AMSS components preparatory to inspection of components

INITIAL SETUP:

Tools/Equipment

Not Required

Personnel Required

ASI H2 or Q2

Equipment Conditions

AMSS in ALSE Shop

a. How to Open the AMSS Rigid Containers.

(1) Push the pressure relief valve button.

(2) Remove the anti-pilferage seal.

(3) Lift the over-center latching tabs and turn them counterclockwise (to the left) and release. These are located on the front and sides of the container.

(4) Open the container and remove the equipment bags by the top bag handle.

b. Removal of Survival Equipment.

(1) To open, unzip the equipment bag.

(2) Remove equipment preparatory to inspection.

NOTE

The first 180 day inspection is a visual inspection of the items left in the vacuumed package. If the package has lost its vacuum, the item must be inspected and vacuum packed again.

The second 180 day inspection requires the item to be removed from the vacuum pack, inspected, and vacuum packed again.

END OF TASK

2.18.3 Replacement of Lid Assembly Cording Gasket.

This task covers: **Replacement**

INITIAL SETUP:

Tools/Equipment		**Personnel Required**
Dowel 3/16 dia.	(See Figure 2-5 detail A)	ASI H2 or Q2
Materials/Parts		**References**
Solvent (D41)		T.O. 35E20-3-36-1
Cloth, Cleaning (D83)		
Adhesive (D3)		**Equipment Conditions**
Gasket	5330-01-355-5152	
		Case must be empty and clean before starting

To replace gasket follow the procedure below:

a. Open the lid assembly.

CAUTION
Do not remove cording gasket using a metal object.

b. Remove gasket by pushing dowel downward and forward into gasket (Figure 2-5 detail B). Grab gasket and place dowel under gasket. Push dowel downward and forward, at same time pulling gasket upward. Continue until entire gasket is removed.

WARNING
Solvent is moderately toxic and is harmful to eyes, skin, and breathing passages. Avoid prolonged breathing of vapors. Use in a well-ventilated area. Keep away from sparks and flames. Use protective gloves and goggles when using solvent.

c. Clean gasket groove and remove foreign particles using solvent (D41) and a 3/16 diameter dowel. Wipe groove dry using a clean rag (D83).

d. Place a thin continuous bead of gasket installation adhesive (D3) approximately 1/16 inch in diameter at bottom of gasket groove.

e. Install new cording gaskets by taking gasket assembly joint and starting at rear hinge comer as shown in Figure 2-5 detail D. Position remaining gasket and press into position (See Figure 2-5, Detail C).

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2.18.3 Replacement of Lid Assembly Cording Gasket (Continued).

f. Close lid assembly onto base assembly and close all catches. Allow container to remain undisturbed until adhesive has set 20 minutes minimum.

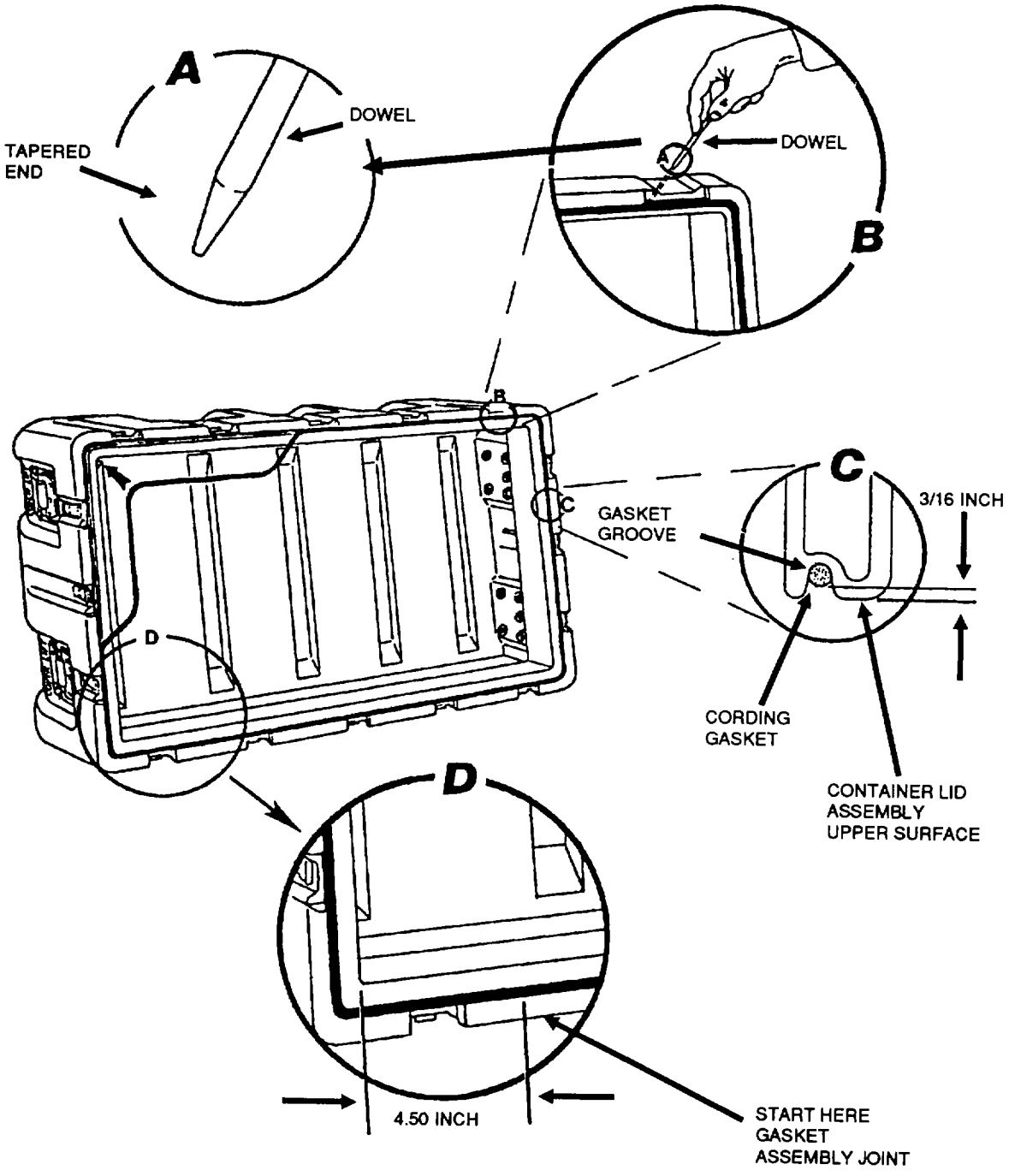

Figure 2-5. Lid Assembly Cording Gasket

END OF TASK

2.18.4 Replacement of Catches, Strikes, and Hinges

This task covers: Replacement

INITIAL SETUP:

Tools/Equipment		**Personnel Required**
Tool Kit Airframe, Repairmans	5180-00-323-4876	MOS 68G
Tool Set, AVUM, Set No. 2	4920-00-567-0476	**References**
Materials/Parts		T.O. 35E20-3-36-1
Rivet	5320-01-151-1061	**Equipment Conditions**
Hinge	5340-01-355-3642	
Catch	5340-01-332-9996	Container must be empty and clean before starting
Strike	5340-01-332-4219	

1. Remove and replace any defective rivets.

WARNING
Safety glasses shall be worn when drilling to prevent injury.

2. Remove and replace any defective catch, strike, or hinge which does not operate properly.

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2.18.4 Replacement of Catches, Strikes, and Hinges (Continued).

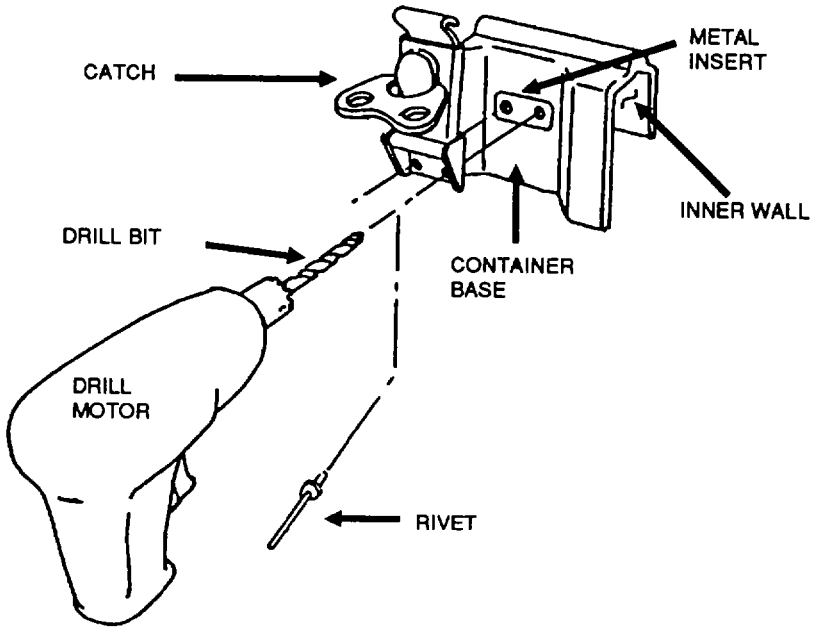

Figure 2-6. Removal of Catches, Strikes, and Hinges

END OF TASK

2.18.5 Replacement of Handles.

This task covers: Replacement

INITIAL SETUP:

Tools/Equipment

Tool Kit Airframe, Repairmans	5180-00-323-4876
Tool Set, AVUM, Set No. 2	4920-00-567-0476

Materials/Parts

Handle (D84)	5340-01-355-3655

Personnel Required

MOS 68G

References

T.O. 35E20-3-36-1

Equipment Conditions

Container must be empty and clean before starting

1. Replace handle if damaged or non-functional (See Figure 2-7).
2. Replace any defective or missing rivets.

WARNING

Safety glasses shall be worn when drilling to prevent injury.

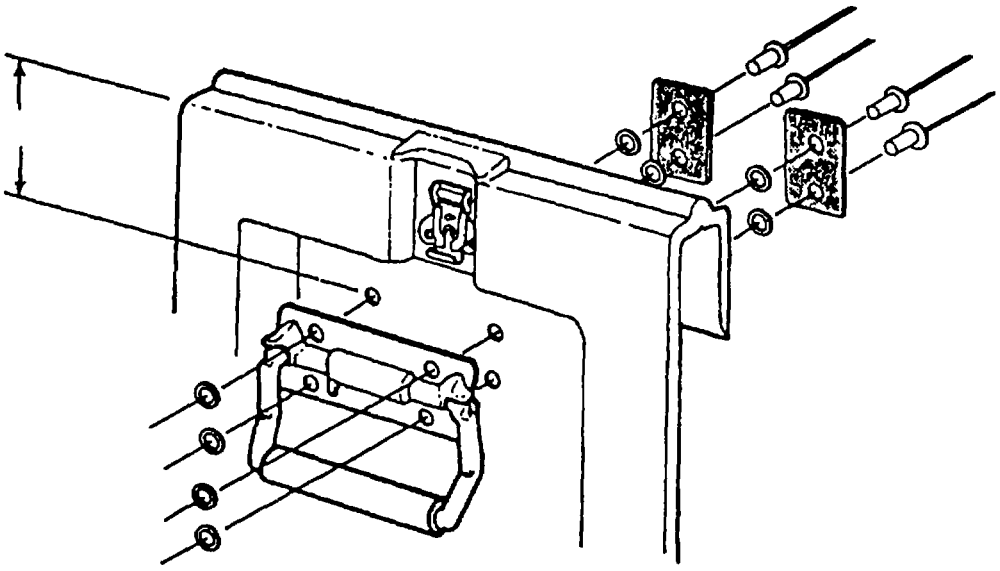

Figure 2-7. Replacement of Handle

END OF TASK

2.18.6 Replacement of Valve, Safety Relief

This task covers: Replacement

INITIAL SETUP:

Tools/Equipment

Tool Kit, Aircraft General Mechanic	5180-00-323-4692

Materials/Parts

Valve, Safety Relief	4820-01-356-2633

Personnel Required

ASI H2 or Q2

References

T.0. 35E20-3-36-1

Equipment Conditions

Container must be empty and clean before starting

The safety relief valve is an automatic two-way pressure relief valve with a manual release incorporated. The valve will crack at a pressure differential of 1.0 psig ± 0.15 and seal at a minimum pressure differential of 0.5 psig for both vacuum and pressure.

a. Removal

(1) Place wrench on exterior hex nut of container to restrain safety relief valve assembly.

(2) Using additional wrench, remove inner hex nut and washer from interior of container.

(3) Remove safety relief valve assembly and gasket from outside of container.

b. Installation

(1) Install replacement safety relief valve assembly from outside of container. Ensure that gasket is in place between valve head and container exterior wall.

(2) From container interior, place washer and inner hex run onto valve body.

(3) Place wrench on outer hex nut to restrain safety relief valve movement and tighten inner hex nut.

END OF TASK

2.19 PROCEDURES FOR THE TOW TUBE AMSS.

2.19.1 Removal of the TOW TUBE AMSS Components.

This task covers: Removal of components preparatory to inspection of equipment.

INITIAL SETUP:

Equipment Conditions

TOW Tube AMSS in ALSE Shop

Tools/Equipment

Not Required

Personnel Required

ASI H2 or Q2

1. Procedures to open the AMSS TOW Tube container.
   (a) Remove the lead sealed safety wire.
   (b) Release the over-center handle of the front Marmon clamp.
   (c) Remove the aluminum sheet metal cover.
   (d) Remove the equipment bags.

NOTE

Pulling the first equipment bag should drag the second equipment bag out after it.

2. Removal of Survival Equipment.
   (a) To open, unzip the equipment bag.
   (b) Remove equipment

NOTE

The first 180 day inspection is a visual inspection of the items left in the vacuumed package. If the package has lost its vacuum, the item must be inspected and vacuum packed again.

The second 180 day inspection requires the item to be removed from the vacuum pack, inspected, and vacuum packed again.

END OF TASK

2.19.2 Repair of TOW Tube

This task covers: Repair

INITIAL SETUP:

Personnel Required

ASI H2 or Q2

References

Appendix E

Equipment Conditions

AMSS TOW Tube must be off of aircraft, empty and clean.

If the tube itself is the problem then make a new container from another expanded TOW Tube following the procedures in Appendix E of this manual.

END OF TASK

2.20 REPAIR OF EQUIPMENT BAGS.

2.20.1 Repair of Equipment Bags (Except TOW Tube)

INITIAL SETUP:

Tools/Equipment

Sewing Machine

Personnel Required

ASI H2 or Q2

Materials/Parts

Webbing, Nylon (D69)
Duck Cloth (D12)
Slide Interlocking Fastener (D73)
Webbing, Nylon (D67)
Webbing, Textile (D69)
Tape, Cotton (D52)
Thread, Nylon (D58)

References

Paragraph 2.12 and 2.13

Equipment Conditions

Equipment bag must be empty

1. To service the equipment bag, clean and dry the bag, as required.
2. To repair the bag follow the procedures below:
   (a) Restitching. Restitch broken or loose stitching on the equipment bag, except the carrying strap, according to original construction details, using the procedures in paragraph 2.12 and the specifics in Table 24. The carrying strap shall be restitched using a reinforcement as outlined in paragraph (d) below.
   (b) Darning and patching. As applicable, darn or patch the equipment bag using the procedures in paragraph 2.12 and the specific in Table 2-4. Patching shall be performed using cotton duck cloth (D12).
   (c) Replace the slide interlocking fastener (D73). A slide interlocking fastener (zipper) on the equipment bag which is broken or hard to manipulate shall be replaced with a serviceable slide interlocking fastener from stock.
      (1) Cut the stitching which secures the original slide interlocking fastener to the equipment bag and remove defective fastener.
      (2) Install a serviceable slide interlocking fastener (D73) in the original fastener location and secure the replacement fastener by stitching according to original installation details, using the specifics in Table 2-4. Stitching will be made in accordance with paragraph 2.12.
   (d) Reseating a pocket grommet. Reseat a pocket grommet according to procedures in paragraph 2.14.
   (e) Replacing a pocket grommet, Replace a damaged grommet on the equipment bag pocket with a serviceable size 0 metallic grommet using the procedures prescribed in paragraph 2.14.
   (f) Replacing the pocket tie tape. Replace an unserviceable tie tape on the pocket of the equipment bag by fabricating as follows.
      (1) Cut the stitching which secures the original tie tape to the pocket body and remove the tape.

GO TO NEXT PAGE

2.20.1 Repair of Equipment Bags (Except TOW Tube) (Continued).

(2) Cut 1 15-inch length of cotton tape (D52) and wax the ends.

(3) Center the tape length over the original tie tape location and secure the replacement tape with four rows of stitching or bar-tack according to original construction details and paragraph 2.12, using the specifics in Table 2-4.

(g) Replacing nylon straps and handles (See Figure 2-8).

(1) Equipment Bag

(a) Strap, reinforcing, webbing nylon (D69), 6-1/2 inches long, one piece. Sear ends to prevent fraying.
(b) Strap, reinforcing, webbing, nylon (D69), 42 inches long, two pieces. Sear ends to prevent fraying.

(2) Loop one end of the carrying strap over and then under the center bar of the slide. Make one 3-1/2 inch loop, 1/8 inch from the seared end. Stitch across the double thickness webbing 1 inch from the cross stitch toward the slider or loop end. Sew across the double thickness webbing. From the bottom cross-stitch make a 1 x 1-1/4 box stitch. Do this to both 42 inch straps. After the loop is on the center bar of the slide, take the webbing under, over and back through the slide. Take the reinforcement strap, measure down from the pocket seam 3/4 inch and sew the seared end of the carrying strap underneath using a boxed x stitch. Do this to both carrying straps.

(3) Bottom attaching points.

(a) For the loop strap cut 2 pieces of webbing (D69), 10-1/2 inches long. Sear both ends to prevent fraying. Cut 2 pieces of webbing (D69), 3-1/2 inches long. Sear both ends to prevent fraying. Feed one end of the l0-1/2-inch long webbing through the metal loop of the carrying strap; 3/4 inch from the bottom seam of the case, sew the loop strap underneath the loop strap reinforcement webbing, the 3-1/2-inch piece. This is to be sewn on the same side as the carrying strap. DO NOT CROSS THE CASE with the loop strap.
(b) The thread used for this is nylon, type I or II, class I, color O.D., shade S-1, size FF MIL SPEC V-T-295 (D58).

(h) Replacing a connecting strap. Replace a damaged connecting strap on the outside of the equipment bag by fabricating as follows:

(1) Cut the stitching which secures the strap assembly connecting strap to the inner case body, and remove the strap assembly from the case body. Further remove the attaching strap and quick fit adapter from each end of the connecting strap by cutting the stitching on the strap ends.

(2) Inspect each of the quick fit adapters for serviceability and replace a quick fit adapter, as required, with a serviceable item from stock.

(3) Cut 1 23-8/8-inch of nylon webbing (D67) and sear the ends.

(4) Make a contrasting colored mark at a point 5-1/8 inches from each end of the webbing length.

GO TO NEXT PAGE

2.20.1 Repair of Equipment Bags (Except TOW Tube) (Continued).

(5) Using original construction details, pass one of the strap ends from the top, down and around the attaching bar of a serviceable quick fit adapter, and align the strap end with the nearest 5-1/8-inch mark made in 4 above. Beginning 1/8 inch back from the stitching a 3-inch-long, double-X-box stitch formation with one double end in accordance with paragraph 2.12, using the specifics in Table 2-4. Make the stitching 1/8 inch in from each webbing edge.

(6) Using the procedures in (5) above and the specifics in Table 2-4, attach the opposite strap end to a serviceable quick fit adapter.

(i) Installing the carrying strap reinforcement. When the equipment bag carrying strap has broken or loose stitching, a carrying strap reinforcement shall be fabricated and installed as follows:

(1) Cut a 14-3/8 inch length of nylon webbing (D67) and sear the ends.

(2) Position the webbing length on the inside of the inner case, aligned with the carrying strap. Secure the reinforcement by stitching over the original carrying strap stitch formations on the outside of the equipment bag using the specifics in Table 2-4. Stitching will be made in accordance with paragraph 2.12.

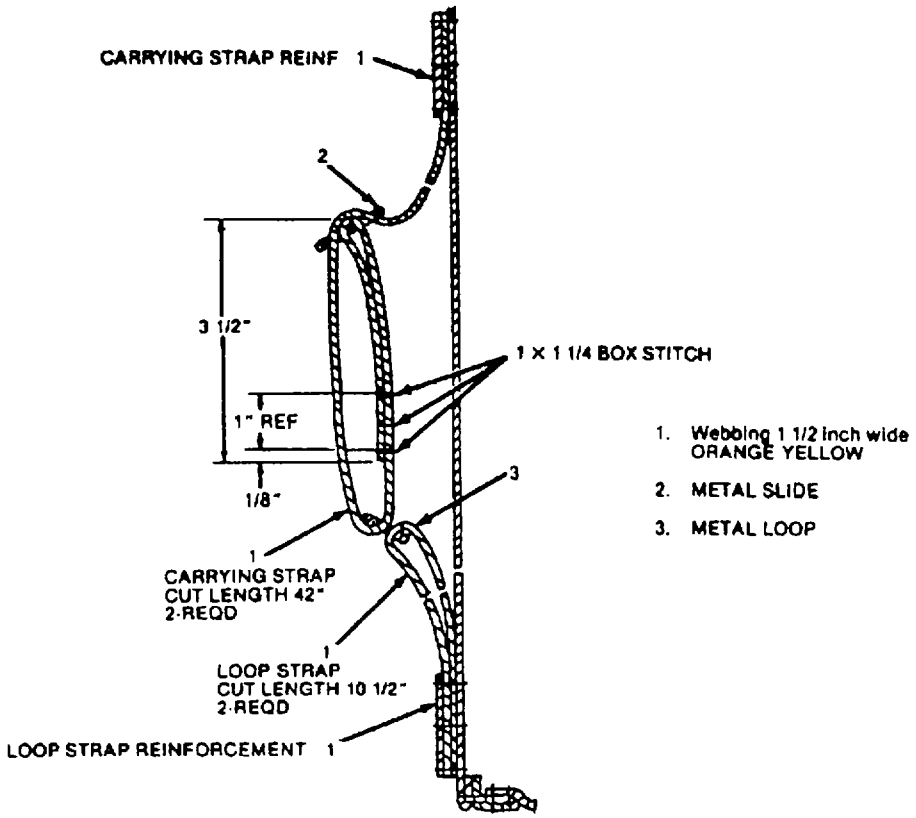

Figure 2-8. Equipment Bag Strap

END OF TASK

2.20.2 Repair of TOW Tube Equipment Bags.

This task covers: **Repair**

INITIAL SETUP:

Tools/Equipment

Sewing Machine

Materials/Parts

Webbing (D81)
Slide Interlocking Fastener (173)
Webbing (D67)

Personnel Required

ASI H2 or Q2

References

Paragraph 2.12 and 2.13

Equipment Conditions

Equipment bag must be empty

1. To service the TOW Tube equipment bag, clean and dry the bag, as required.
2. To repair the bag follow the procedures below:

   (a) Restitching. Restitch broken or loose stitching on the TOW Tube equipment bag, except the carrying strap, according to PA original construction details, using the procedures in paragraph 2.12 and the specifics in Table 2-4. The carrying strap shall be restitched using a reinforcement as outlined in paragraph (d) below.
   (b) Darning and patching. As applicable, dam or patch the TOW Tube equipment bag using the procedures in paragraph 2.12 and the specifics in Table 2-4. Patching shall be performed using cloth.
   (c) Replace the slide interlocking fastener (173). A slide interlocking fastener (zipper) on the equipment bag which is broken or hard to manipulate shall be replaced with an interlocking fastener from stock. A slide interlocking fastener on the equipment bag which is defective in any way shall be replaced using the following procedures:

      (1) Cut the stitching which secures the original slide interlocking fastener to the equipment bag and remove defective fastener.
      (2) Install a serviceable 31-inch-long, type I, style 18, size H slide interlocking fastener in the original fastener location and secure the replacement fastener by stitching according to original installation details, using the specifics in Table 2-4. Stitching will be made in accordance with paragraph 2.12.

   (d) Replacing the carrying strap. Replace an unserviceable carrying strap on the case.
      (1) Cut the damaged portion of the strap from the bag.
      (2) Cut a length of nylon webbing (D)81) and sear the ends.
      (3) For all the overlapped webbing ends, secure the doubled webbing by stitching a box-stitch formation. Make the stitching 1/8 inch in from the webbing edges in accordance with paragraph 2.12, using the specifics in Table 2-4.

END OF TASK

2.20.3 Repair of Inner Case.

This task covers: **Repair**

INITIAL SETUP:

Tools/Equipment

Sewing Machine

Materials/Parts

Duck Cloth (D11)
Slide Interlocking Fastener (D73)
Thread (D57)

Personnel Required

ASI H2 or Q2

References

Paragraph 2.12 and 2.13

Equipment Conditions

Equipment bag must be empty

1. To service the inner case, clean and dry the case as required.
2. To repair the inner case follow the procedures below:

   (a) Restitching. Restitch broken or loose stitching on an inner case (See Figure 2-9), except the connecting strap, according to original construction details, using the procedures in paragraph 2.12 and the specifics in Table 2-4. The connecting strap shall be restitched using a reinforcement as outlined in paragraph (g) below.

   (b) Darning and patching. As applicable, darn or patch an inner case using the procedures in paragraph 2.12 and the specifics in Table 2-4. Patching shall be performed using type I cotton duck cloth (DI 1).

   (c) Replacing the slide interlocking fastener. A slide interlocking fastener (zipper) (D73) on the inner case which is broken or hard to manipulate shall be replaced with a serviceable 44-1/2-inch-long, type I, style 2, size MS, slide interlocking fastener (D73) from stock.

      (1) Cut the stitching which secures the original slide interlocking fastener to the inner case and remove the defective fastener.

      (2) Install a serviceable 44-1/2-inch-long, type I, style 2, size MHS, slide interlocking fastener in the original fastener location and secure the replacement fastener by stitching thread (D57) according to original installation details, using the specifics in Table 24. Stitching will be made in accordance with paragraph 2.12.

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2.20.3 Repair of Inner Case (Continued).

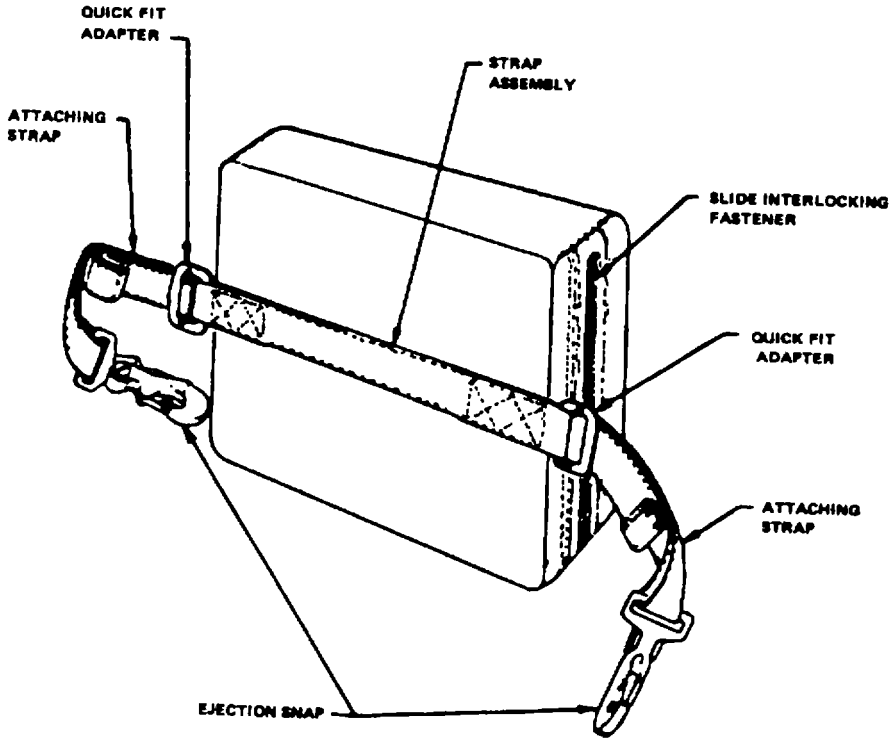

Figure 2-9. Inner Case

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2.20.3 Repair of Inner Case (Continued).

(d) Replacing an attaching strap (See Figure 2-10). Replace an unserviceable attaching strap on either end of the inner case strap assembly by fabricating as follows:

(1) Cut the end loop on the attaching strap and remove the ejector snap from the loop. Further remove the cut strap from the applicable strap assembly quick fit adapter.
(2) Inspect the original ejector snap for serviceability. If the snap is defective, replace with a serviceable item from stock.
(3) Cut a 28-inch length of nylon webbing (D67) and separate ends.
(4) Pass one end of the webbing length around the snap attaching bar to form a loop on the snap bottom end and align the webbing ends. Secure the doubled webbing by stitching a box-stitch formation along the full length of the webbing to a point 3/4 inch from the formed loop on the snap. Make the stitching 1/8 inch in from the webbing edges in accordance with paragraph 2.12, using the specifics in Table 24.
(5) With the face of the ejector snap facing down, pass the running end of the replacement attaching strap around the raised part of the quick fit adapter center sliding bar and back toward the ejector snap.
(6) Make a double 3/4-inch foldback on the strap running end and secure the foldback on the strap running end with two rows of stitching using the specifics in Table 24. Stitching will be made in accordance with paragraph 2.12.

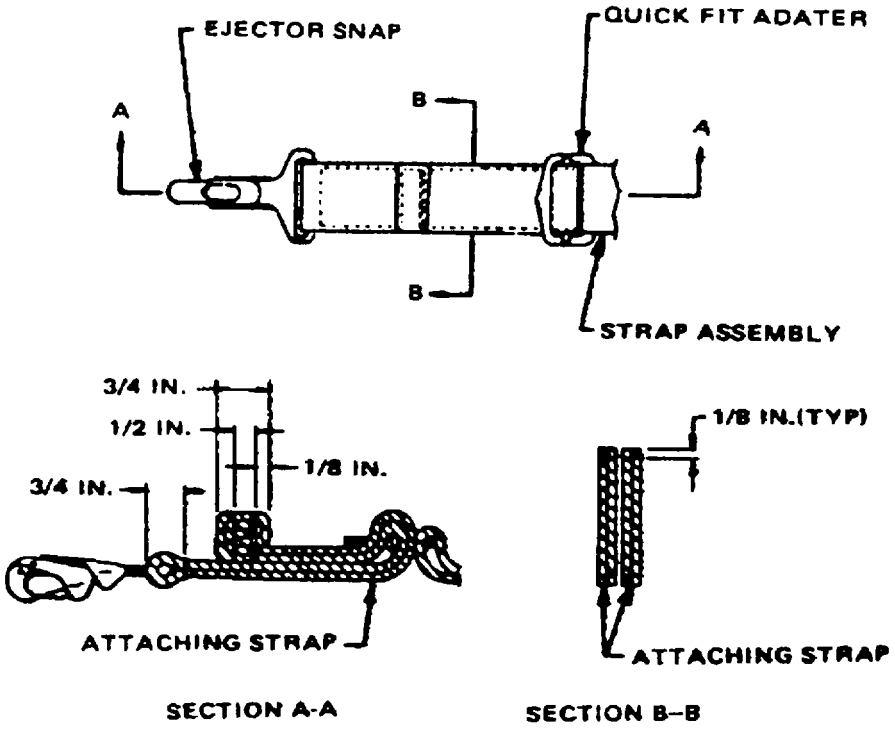

Figure 2-10. Attaching Strap Replacement Details, Typical

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2.20.3 Repair of Inner Case (Continued).

(7) Install the replacement strap assembly (See Figure 2-11) in the original location on the outside of the inner case with a 14-1/8-inch-long box-stitch formation according to original construction details, using the specifics in Table 2-4. Stitching will be made in accordance with paragraph 2.12.

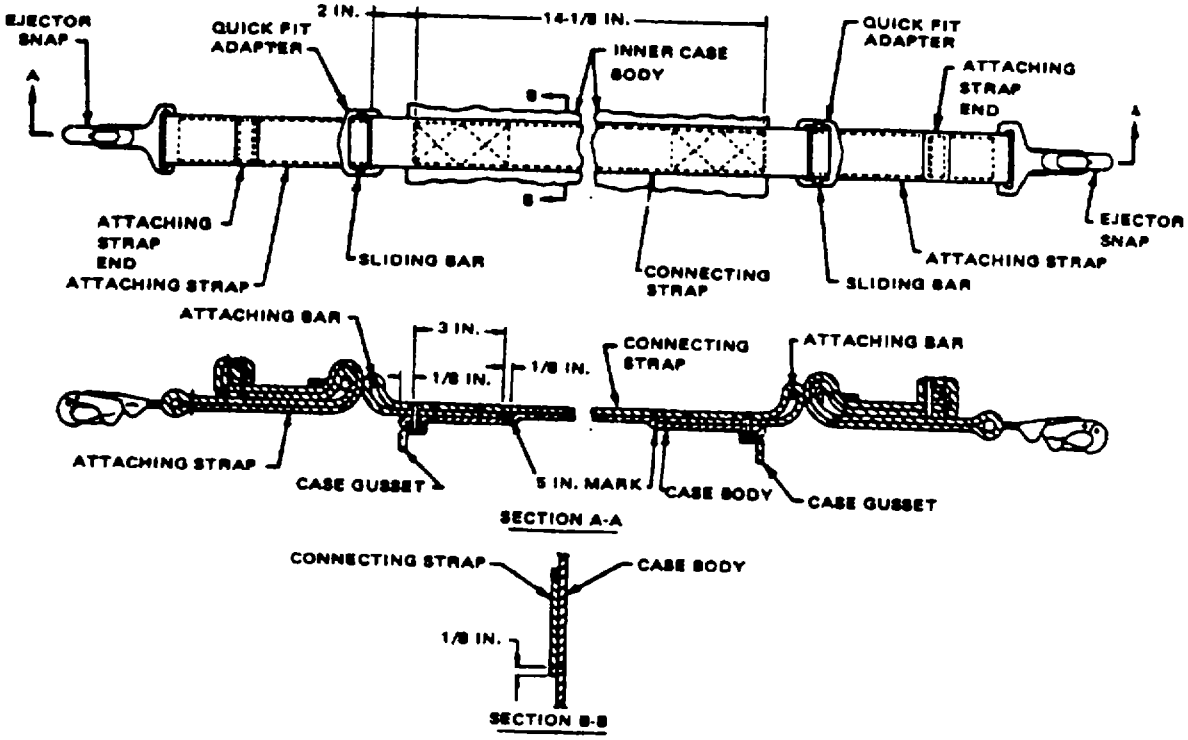


Figure 2-11. Attaching Strap Assembly Details

GO TO NEXT PAGE

2.20.3 Repair of Inner Case (Continued).

(e) Replacing An Ejector Snap. Replace a defective ejector snap with a serviceable item from stock using the procedures prescribed in paragraph (d) above.

(f) Replacing a quick fit adapter. Replace a defective quick fit adapter with a serviceable item from stock as follows:

(1) Cut and remove the stitching on the attaching strap running end doubled, 3/4-inch foldback and remove the attaching strap running end doubled, 3/4-inch foldback and remove the attaching strap from the applicable quick fit adapter. Further, cut 4 inches of the stitch formation on the applicable end of the connecting strap and remove the original quick fit adapter from the connecting strap end.

(2) Install a replacement adapter on the applicable connecting strap end and restitch the connecting strap in the original location according to original construction details, using the specifics in Table 2-7. Stitching will be made in accordance with paragraph 2.12.

(3) Install the running end of the applicable attaching strap removed in (1) above on the replacement adapter and secure the attaching strap running end as prescribed in paragraph 3. above, using the specifics in Table 2-4.

(g) Installing the connecting strap reinforcement. When the inner case strap assembly connecting strap has broken or loose stitching, a connecting strap reinforcement shall be fabricated and installed as follows:

(1) Cut a 14-3/8-inch length of nylon webbing (D67) and sear the ends.

(2) Position the webbing length on the inside of the inner case, aligned with the connecting strap. Secure the reinforcement by stitching over the original connecting strap stitch formations on the outside of the kit inner case using the specifics in Table 2-7. Stitching will be made in accordance with paragraph 2.12.

END OF TASK

2.21 PROCEDURES FOR THE MROD-06.

2.21.1 Test of MROD 06.

This task covers: Testing

INITIAL SETUP

Tools/Equipment

Total Dissolved Solids (TDS), Meter	6630-00-127-4774
Graduated Cylinder (50 ml)	6640-00-264-8323
Meter, Range Multiplier	6630-01-103-9007

Materials/Parts

Pickling Salt (D98)
Propylene Glycol (076)
Chemical Biocide (D75)

PersonnelRequired

ASI H2 or Q2

Equipment Conditions

Assembled MROD-96

NOTE

Do not use chlorinated water with the MROD, chlorine will damage the MROD membrane.

1. Simulated Seawater System (Feedwater)

(a) Feedwater Specifications

Quantity:	12 liters (3 gallons)
Salinity:	32,000 ppm NaCl
Temperature:	20-25° C (68 - 77° F)

(b) Mixing Instructions.

(1) Mix 384 grams of salt (D98) with 12 liters of fresh water (12.75 oz. of salt with 3 gallons of water) in the 20-liter container.

(2) Stir and allow to sit for 10-15 minutes or until the salt is completely in solution and there is no salt residue on the bottom of the container.

(3) Using the TDS Meter, measure the salinity of the solution. It should be 32,000 ppm NaCl(+0% - 3%).

(4) During test procedures stir the solution occasionally.

NOTE

This testing to be performed after training session and/or use.

2. Test Procedure

(a) Performance Specifications

Salt Rejection:	96.9% (1000 ppm)
output:	13 cc (0.44 fl. Oz.) per minute

GO TO NEXT PAGE

2-21.1. Test of MROP-06 (Continued).

b. Instructions

(1) Operate the MROD-06 in non-chlorinated water for two to three minutes to remove the biocide chemical.

(2) Place the intake/reject hose and the product water hose in the feedwater container.

(3) Operate the MROD-06 at approximately 40 strokes per minute for three to four minutes.

(4) Continue to operate the unit at the 40 strokes-per minute rate. Remove the product hose from the feedwater container. Place the hose in the Graduate Cylinder and collect product water for the next 40 strokes.

(5) At precisely 40 strokes, remove the hose from the cylinder. If it measures more than 13 cc (0.44 fl. oz.), the unit meets the minimum specification; if not, refer to ' Troubleshooting" in the Manual.

(6) Measure the salinity content of the product water. If it measures less than 1000 ppm, the unit meets the minimum specification; if not, refer to " Troubleshooting" in the Manual.

(7) Operate the MROD-06 in non-chlorinated water for two to three minutes to remove the salt water.

(8) Prepare the unit for storage according to step 3, below.

(9) If a performance problem is found and corrected, repeat steps two through six.

3. Prepare the unit for storage.

WARNING

The biocide solution contains sodium bisulfite, which is not harmful, but may cause an allergic reaction. Be sure to follow the described procedures.

NOTE

Biocide and Glycol solution may be reused four times or until discoloration occurs (whichever comes first).

a Prepare a solution by mixing 10 grams OG Biocide (075). 1 quart of distilled (Non-chlorinated) water, and 200 MIL of Glycol (D76).

(a) Insert the weighted intake hose into the solution and pump handle at a rate of 30/40 strokes per minute.

(b) Observe for water flowing from the brine discharge hose. When the flow is steady from the discharge hose the storage is complete.

(c) Lift the intake/discharge hose from the solution and pump the MROD dry (approximately 15 strokes). Observe that water is discharged from the brine discharge hose on the pump up stroke.

(d) Elevate the MROD so the remaining liquid drains from the MROD and hoses. Let the MROD and hoses air dry for 12 hours.

(e) Repack the MROD by loosely coiling the hoses and placing them on the side of the MROD. Vacuum pack unit as required in paragraph 2.6.1 of Chapter 2.

(f) Dispose of all used solution in accordance with local regulations.

END OF TASK

2.21.2 Disassembly of the MROP-66.

This task covers: Disassembly

INITIAL SETUP

Tools/Equipment

Tool Kit, Aircraft
General Mechanic — 5180-00-323-4692
MROD-06 Spanner Wrench — 5120-00-293-0798

Materials/Parts

Tape (D100)

Personnel Required

ASI H2 or Q2

Equipment Conditions

MROD-06 out of heat seal packing

1. Remove the Membrane Module:

NOTE

This procedure is done after each use, every four (4) years or if the MROD-06 fails to pass paragraph 2.21.1 (Testing of MROD-06).

CAUTION

Care must be taken when removing/installing hoses.

(a) Empty any water from the pump by turning it upside down and pumping air into it. Pump about 10 strokes after air first enters the unit.

(b) Unscrew the end plug (2. Figure 2-12) using the MROD Spanner Wrench. Pull it slightly away from the end of the membrane housing (9).

CAUTION

Avoid scratching the internal surface of the membrane housing, as it forms part of the seal with the membrane module.

(c) With a soft, blunt object (wooden/plastic dowel) push the membrane module (6) out of the membrane housing (9) by pushing on the white plastic dot (Figure 2-13, View A) at the opposite end of the housing. Once the seal at the end is free, the membrane module (6) should slide out of the housing.

(d) Push the product plug (8) out of the center of the membrane module (6) by placing the soft, blunt object into the female end of the membrane, module (6).

2. Remove the Cover and Pump Body:

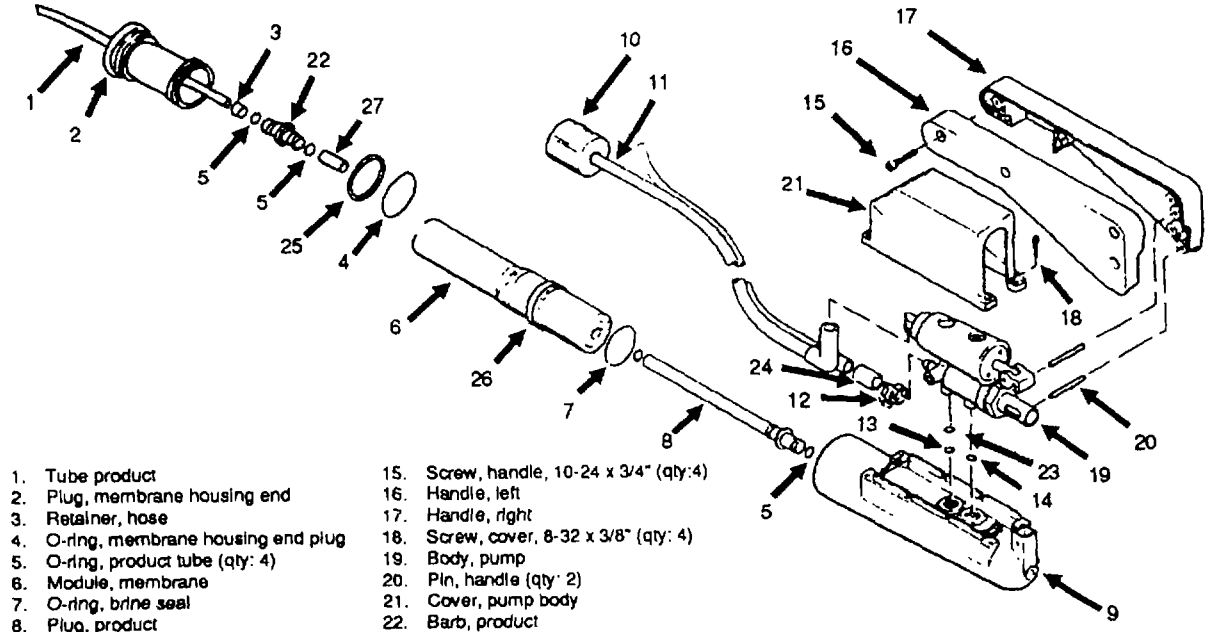
(a) Separate the two handle sections (16, 17) by unscrewing the four socket-head screws (15). The two hinge pins (20) may offer some resistance to pulling the handle apart. Use your fingers to pry apart the handle section in the vicinity of the pins (at the base of the handle).

(b) Unscrew the four socket-head screws (18) which secure the pump body cover (21) to the membrane housing.

GO TO NEXT PAGE

2.21.2 Disassembly of the MROD-06 (Continued).

(c) Hold the unit with the membrane housing on top, and pull the cover down from the housing. Keep the cover in this position so the internal parts of the outlet check valve (inside the pump body, 19) will not fall out and be lost.
(d) Immediately place a piece of tape (D100) over the check valve stem to hold the valve parts in place (See Figure 2-13, View B).
(e) Spread the cover in the center until you can pop the relief valve stem out of its hole in the side of the cover.
(f) Lift the pump body out of the cover.
(g) Using needle-nose pliers, undo the plastic hose clamps (12, Figure 2-12) which hold the hoses onto the pump body. Pull the hoses from the barbs.



1. Tube product
2. Plug, membrane housing end
3. Retainer, hose
4. O-ring, membrane housing end plug
5. O-ring, product tube (qty: 4)
6. Module, membrane
7. O-ring, brine seal
8. Plug, product
9. Housing, membrane
10. Weight and strainer
11. Hose, intake/reject
12. Clamp, large hose
13. O-ring, pump body, large
14. O-ring, pump body, small
15. Screw, handle, 10-24 x 3/4" (qty:4)
16. Handle, left
17. Handle, right
18. Screw, cover, 8-32 x 3/8" (qty: 4)
19. Body, pump
20. Pin, handle (qty: 2)
21. Cover, pump body
22. Barb, product
23. O-ring, backup
24. Sleeve, outer
25. Ring, backup
26. Brine seal adapter
27. Sleeve

Figure 2-12. Components of the MROD-06

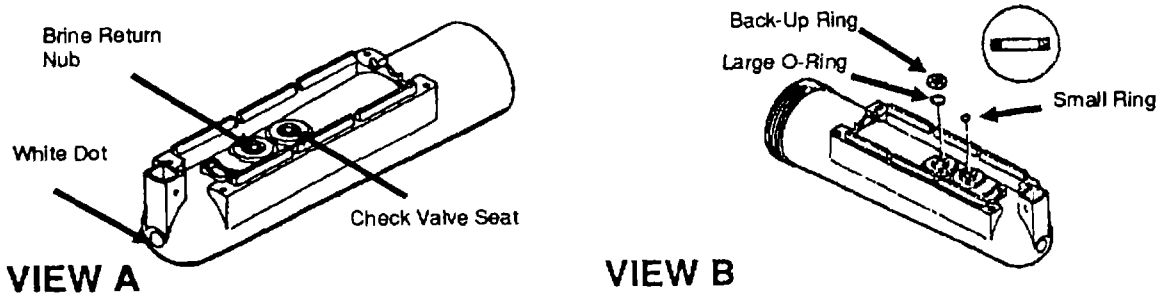


Figure 2-13. Membrane Housing

END OF TASK

2.21.3 Inspect and Replace MROD-06 Components.

This task covers: **This task covers: Inspect, Clean, and Replace**

INITIAL SETUP:

Tools/Equipment

Not Required

Personnel Required

ASI H2 or Q2

Materials/Parts

Detergent (D45)
Cloth, Rag (D83)

Equipment Conditions

Disassembled MROD-06

1. Inspect disassembled components for exterior damage, deterioration. or cracks.
2. Clean the following parts (See Figure 2-12), using a ware, mild detergent (D45):

16, 17	Handle sections
19	Pump cover
9	Membrane housing
2	End plug
8	Product plug
10	Weight/strainer

CAUTION

Avoid scratching the internal surface of the membrane housing, as it forms part of the seal with the membrane module.

Rinse the parts with clean water, and wipe them dry with a lint-free rag (D83).

Hold the intake strainer up to the light. If the mesh is blocked even after cleaning, replace the strainer.

3. Replace component as necessary.

END OF TASK

2.21.4 Assembly of MROD-06

This task covers: Assembly

INITIAL SETUP

Tools/Equipment		Personnel Required
Tool Kit, Aircraft		ASI H2 or Q2
General Mechanic	5180-00-323-4692	
MROD-06 Spanner Wrench (para E-5)	5120-00-293-0798	**Equipment Conditions**
Product Barb Insertion Tool (para E-6)	1680-01-418-4701	Disassembled

Materials/Parts

Glycerin (D92)
Adhesive, Silicon (D93)
Glue, Silicone (D94)

WARNING

All the O-rings in the MROD-06 should be lubricated with glycerin as the components are being reassembled. Do not use any petroleum-based grease or oil (including petroleum jelly), as they will quickly degrade the membrane.

Be sure all components are clean before reassembly. Use new O-rings when reassembling.

1.

NOTE

The intake hose is larger than the reject hose.

(a) Slide the intake/reject hose (11) over the barbs on the pump body (19). Push them on as far as they will go. Clamp it in place with the hose clamps, then tighten the clamp with pliers.

(b) Set the pump cover (21) upside down on a flat surface. Fit the pump body into the cover so that it contacts the top and lays flat.

(c) Fit the relief valve stem (See Figure 2-14) into the matching hole in the side of the cover. Do this by either spreading the cover apart with your fingers and snapping the relief valve into place, or by solidly tapping down on the relief valve using a soft, blunt object.

NOTE

To avoid losing parts, leave the tape over the check valve stem until you are ready to reattach the pump cover to the membrane housing.

2. Reattach the Cover to the Membrane Housing.

GO TO NEXT PAGE

2.21.4 Assembly of MOD-06 (Continued)

(a) Remove the O-ring (14, Figure 2-12) over the brine return nub (See Figure 2-13) on the membrane housing, and replace it with a new one. The O-ring may have remained in the matching hole on the pump body,

NOTE

Lubricate the O-ring and the matching hole on the pump body with glycerin (D92).

Snear a film of glycerin on the raised surface of the housing which mates with the check valve O-ring (13, Figure 2-12) on the pump body and smear some on the check valve.

(b) Starting at the hose end, gently mate the membrane housing with the cover/body assembly.

NOTE

When you close the final gap at the sleeve end, be very sensitive to how the O-ring on the nub is fitting into its hole in the pump body. See Figure 2-14. There is a right "feel" to the fit: generally, if you fit it improperly, you will have to force the cover down into place, and it will tend to spring back up.

If the cover tends to spring back up, it will certainly leak and any further assembly is wasted time. Pull the cover off and inspect the O-ring on the nub; if it looks squished or dented, replace it with a new one and start over.

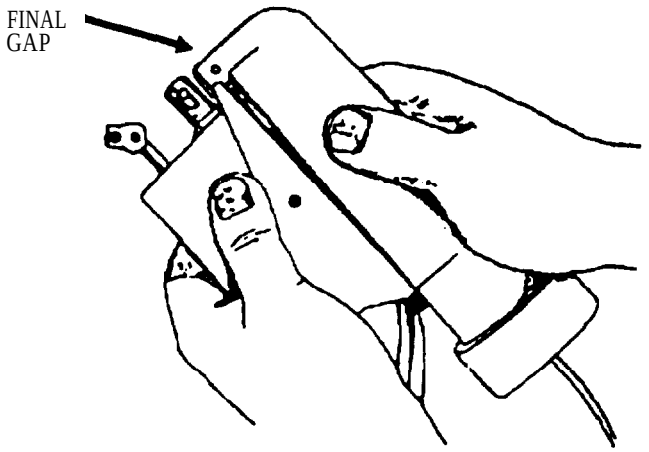


Figure 2-14. Final Gap of the MROD-06

CAUTION

Overtightening can easily strip the threads in the plastic.

(c) Install the cover using the four screws (18, Figure 2-12). Tighten to 10-11 inch pounds.

3. Reassemble the Handle (16 and 17) and Pump (19).

GO TO NEXT PAGE

2.21.4 Assembly of the MROD-06 (Continued).

(a) Insert the handle pins (20. Figure 2-12) into the appropriate holes in one of the handles (16). One of the pins may have remained in the spool when you disassembled unit. See Figure 2-15 for pin placement.

(b) Slip the handle (17) (with pins installed) over the pump (19) and then slip on the other handle.

(c) Secure the handle sections together using the four screws (15). Tighten the screws from front to rear to 10-11 inch pounds.

4. Complete the Reassembly.

(a) Put two new O-rings (5) onto the product plug (8), and insert it into the membrane module (6) at the end closest to the brine seal adapter (26).

(b) Install the O-ring, brine seal (7) onto the brine seal adapter.

(c) Push the membrane module into the membrane housing until the white end of the product plug appears as a white dot flush with the end of the housing.

(d) Install O-ring (25) and O-ring (4) onto membrane end plug (2). Place two O-rings (5) onto either side of product hose barb (22).

(e) Cut silicon hose (1) to four feet in length.

(f) Take pre-cut hose sleeve (27) and push on one end of product hose (1). Using glue gun with silicon glue, insert gun needle between sleeve (27) and hose (1) and glue 360 degrees around.

(g) Remove excess glue inside hose so that there is no blockage.

(h) Cut the unglued end of product hose (1) one inch with a slight angle. Insert long end of hose barb (22) into product hose (1). Place product hose retainer, flat end first, over angle-cut end of hose (1) and pull all the way to the other end, stopping at sleeve (27).

(i) Grease both O-rings (5) on hose barb with glycerin. Insert cut end of hose (1) into membrane end plug (2) using product barb insertion tool (TL-181). Use spanner wrench to secure end plug assembly onto membrane housing assembly.

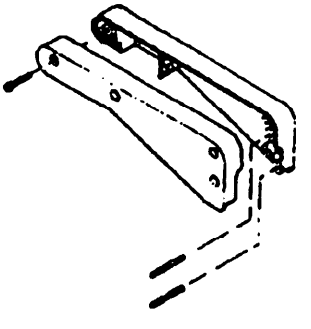


Figure 2-15. Handle Assembly of the MROD-06

END OF TASK

2.22 REPAIR OF TENT.

This task covers: Repair

INITIAL SETUP

Tools/Equipment

Sewing Machine

Materials/Parts

Shelter Fabric
Slider (D73)
Slide Fastener Coil (D96/97)
Thread (D57)

Personnel Required

ASI H2 or Q2

References

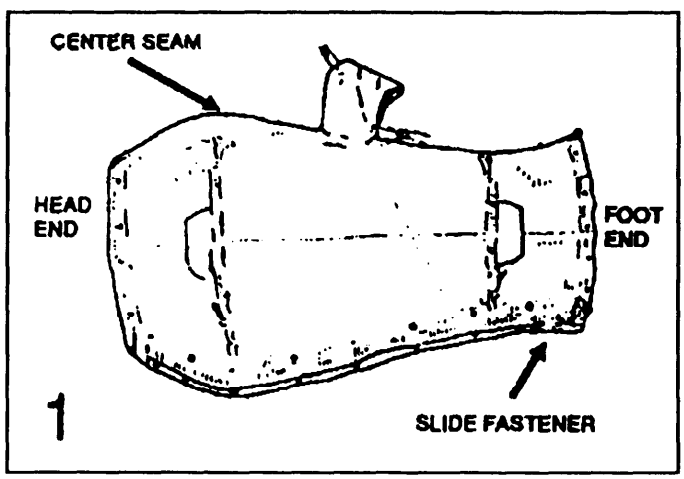
Paragraph 2.12

Equipment Conditions

Shelter must be clean

1. Darning and patching. As required, darn or patch the shelter in accordance with paragraph 2.12, using the specifics in Table 2-4. Patching shall be performed using the same color material.
2. Restitching. Restitch broken or loose stitching on the shelter according to original construction details, using the procedures in paragraph 2.12 and the specifics in Table 2-4.
3. Replacement of slider or slide fastener tape (D96/97).
   (a) Cut the stitching which secures the original slider or slide fastener coil to the equipment bag and remove.
   (b) Install a serviceable slider (D73) or slide fastener coil in the original location and secure the replacement by stitching according to original installation details, using the specifics in Table 2-4. Stitching will be made in accordance with paragraph 2.12.
4. To fold the shelter, follow the steps listed below:

Step 1.	Lay the tent out as shown and zip the slide fastener.
Step 2.	Fold over the hood.
Step 3.	Fold half the hood back over.
Step 4.	Fold over the top one-third of the tent.



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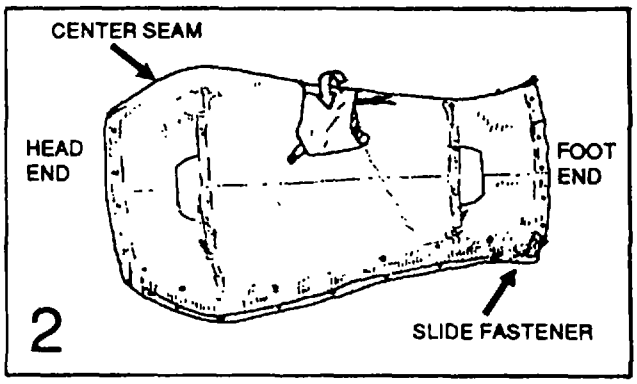
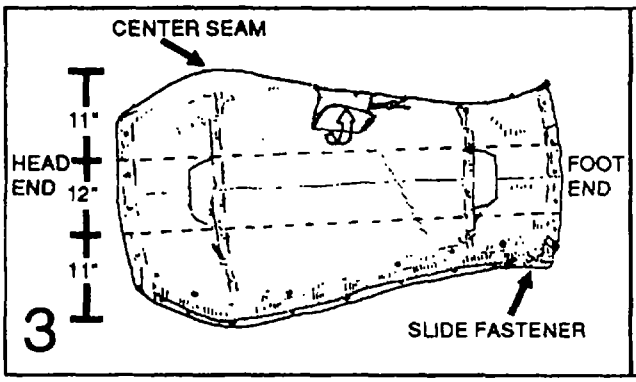
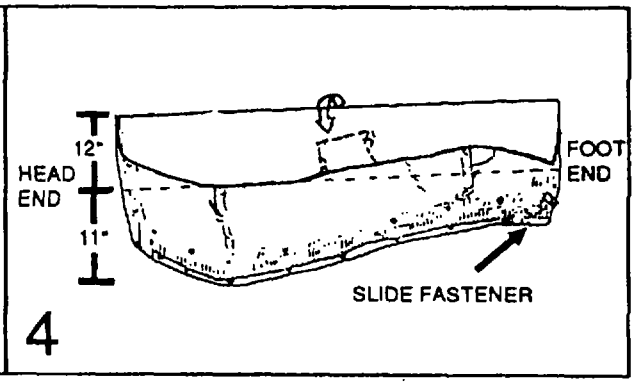
2.22 REPAIR OF TENT (Continued).

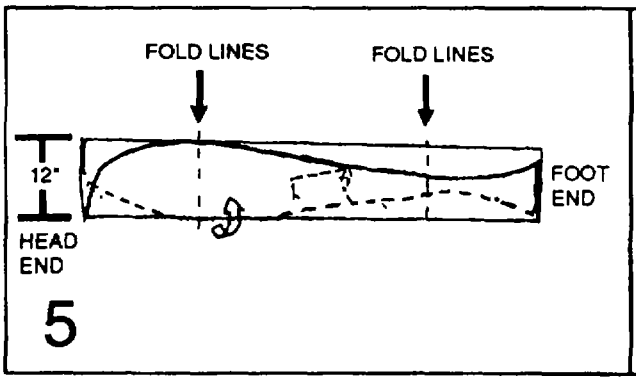
Step 5. Fold over the bottom one-third of the shelter.

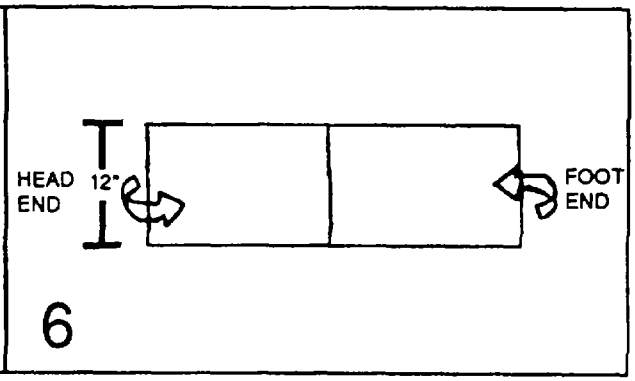
Step 6. Fold the shelter in half by folding 1/4 of each end into the middle of the shelter.











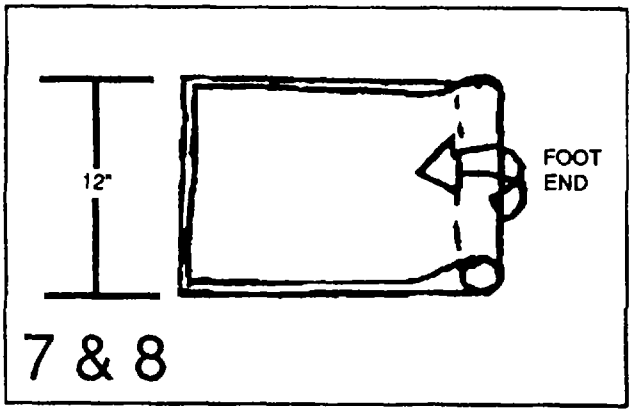
Step 7. Place poles and pins in the pole bag.

Step 8. Place the shelter pole bag in the middle of the shelter and fold the shelter in half, covering the pole bag.

Step 9. With the pole bag in the center. roll up the tent.

Step 10. Place tent in carrier.

Step 11. Place screen packet on top of tent in carrier.



END OF TASK

2.23 REPAIR OF TARPAULIN

This task covers: **Repair**

INITIAL SETUP:

Tools/Equipment

Sewing Machine

Materials/Parts

Yellow/Blue Rubber Coated Cloth (D15)
Thread (D57)

Personnel Required

ASI H2 or Q2

References

Paragraph 2.12

Equipment Conditions

Tarpaulin must be clean

1. Darning and patching. As required. darn or patch a light weight tarpaulin in accordance with paragraph 2.12. using the specifics in Table 2-4. Patching will be performed using laminated yellow/blue rubber coated cloth (D15).

NOTE

When patching the tarpaulin. ensure the yellow/blue colors of the patch material are aligned with the original colors of the tarpaulin accordingly.

2. Restitching. Restitch broken or loose stitching on a lightweight tarpaulin according to original construction details. using the procedures in paragraph 2.12 and the specifics in Table 2-4.
3. Fold the tarpaulin after inspection and repairs as follows:

   (a) Lay the tarpaulin out flat.
   (b) Fold into thirds section A over section B and then section C over section A and B.
   (c) Fold section 1 over section 2.
   (d) Fold section 5 over section 4 and then section 4 and 5 over section 3.
   (e) Fold sections 1 and 2 over section 3. 4 and 5.

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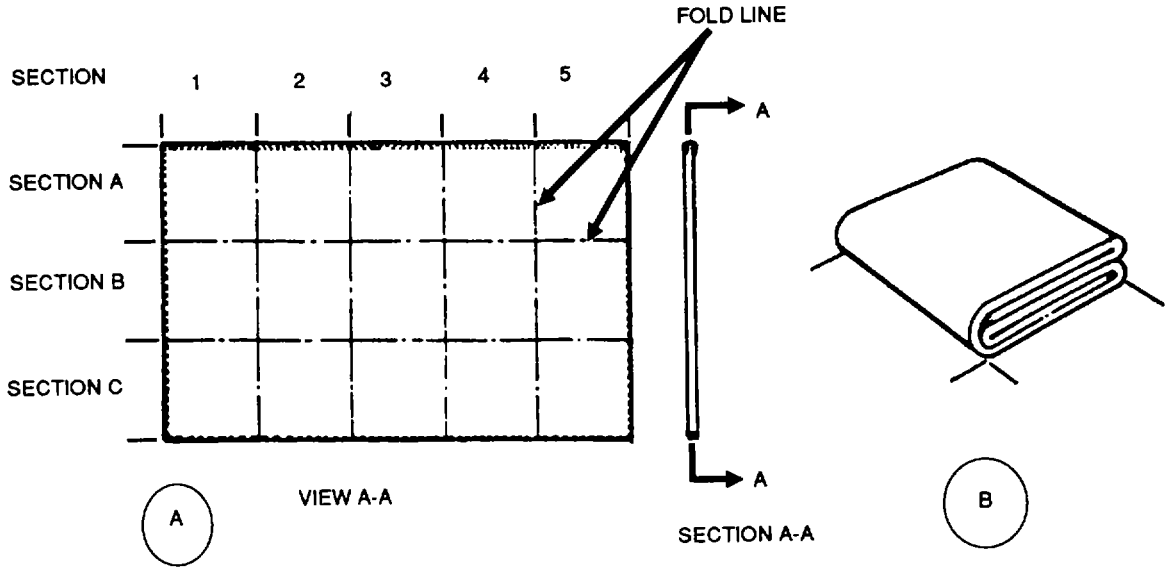
2.23 Repair of Tarpaulin. (Continued)



END OF TASK

2.24 REPAIR OF PONCHO, WET WEATHER NYLON, CAMOUFLAGE.

This task covers: **Repair**

INITIAL SETUP:

Tools/Equipment
Sewing Machine

Personnel Required
ASI H2 or Q2

Materials/Parts
Nylon Camouflage Cloth (D16)
Thread (D57)

References
Paragraph 2.12

Equipment Conditions
Poncho must be clean

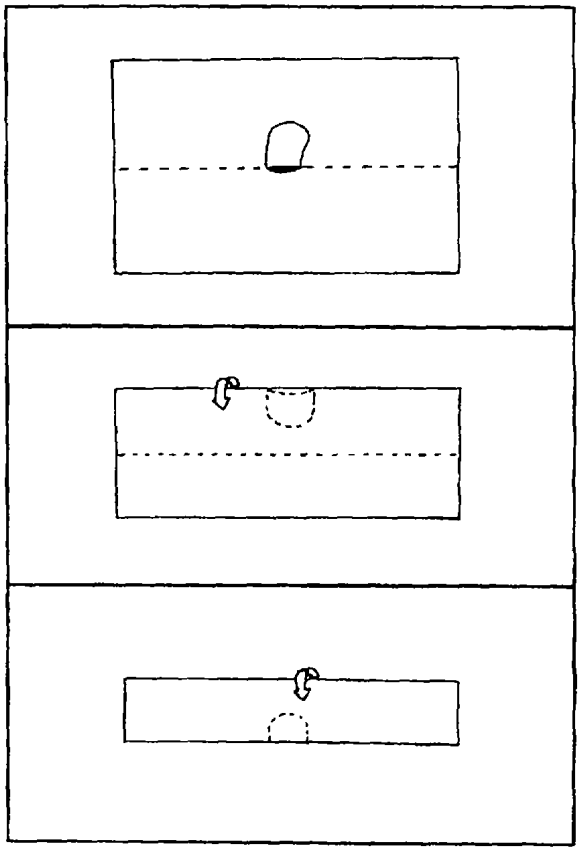
1. Darning and patching. As required, darn or patch the poncho in accordance with paragraph 2.12, using the specifics in Table 2-4. Patching will be performed using nylon camouflage cloth (D16).
2. Restitching. Restitch broken or loose stitching on the poncho according to original construction details, using the procedures in paragraph 2.12 and the specifics in Table 2-4.
3. To fold the poncho follow the steps below:

Step 1. Lay the poncho out with the hood facing upward.

Step 2. Fold the poncho in half.

Step 3. Fold the poncho in half again.

Step 4. Starting at the end, roll the poncho up.



END OF TASK

2.25 REPAIR OF HAT, REVERSIBLE COTTON.

This task covers: **Repair**

INITIAL SETUP:

Tools/Equipment
Sewing Machine

Personnel Required
ASI H2 or Q2

Materials/Parts
Thread (D57)

References
Paragraph 2.10

Equipment Conditions
Hat must be clean

1. Darning. As required, dam or patch the hat in accordance with paragraph 2.12, using the specifics in Table 2-4.

2. Restitching. Restitch broke or loose stitching on the hat according to original construction details, using the procedures in paragraph 2.12 and the specifics in Table 2-4.

END OF TASK

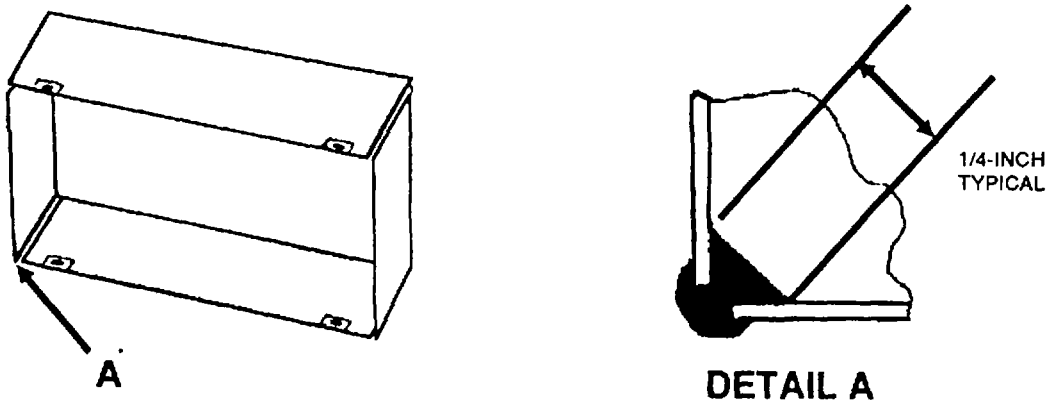
2.26 POCKET STOVE ALTERATION.

This task covers: **Alterations of the pocket stove.**

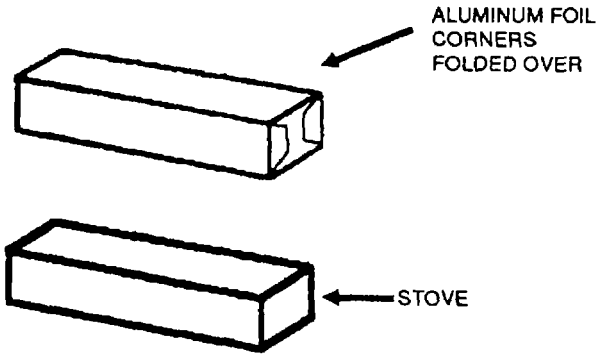
INITIAL SETUP:

Tools/Equipment		**Personnel Required**
Tongue Depressor (D99)	6515-00-324-5500	ASI H2 or Q2
Materials/Parts		**Equipment Conditions**
Adhesive and Sealing Compound Epoxy, Metal Filled (D74)	MMM-A- 1754	Pocket stove must be clean

1. To make alterations to the stove corners, proceed as follows:
   Use the adhesive and sealing compound to make 1/4 inch fillet beads along open seams in all corners. Stove shown without grill assembly.



2. Aluminum foil can also be used to help prevent fuel leakage. When using aircraft fuel in the stove, fold the foil into the stove or wrap the outside, being careful not to tear the foil. Make certain that the foil covers the comers joints of the stove.



END OF TASK

SECTION VII. PREPARATION FOR STORAGE OR SHIPMENT

2.27 STORAGE OF AMSS.

a. Survival kits to be in temporary storage will:

(1) Be inspected, repaired, and if needed, cleaned.
(2) Have components replaced if necessary.
(3) Have matches, smoke, and illumination flares removed and stored in accordance with post policy for units operating within a military base or local policy for units not operating on a military base.
(4) Have kits tagged with annotations about items not in the kit.
(5) Be stored on shelves in a well-ventilated area out of direct sunlight.

b. Flotation equipment to be put in temporary storage will be stored in accordance with TM 5-4220-202-14/r.O.14S-1-102, Section 2-7, storage and shipment.
c. Pyrotechnics will be stored in accordance with post policy if unit is operating from a military base or local policy, or if unit operates off a military base.

CHAPTER 3

AVIATION INTERMEDIATE MAINTENANCE (AVIM)

SECTION I. REPAIR PARTS; TOOLS; SPECIAL TOOLS; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE); AND SUPPORT EQUIPMENT

3.1 COMMON TOOLS AND EQUIPMENT. Refer to Chapter 2, Section I.

SECTION II. SERVICE UPON RECEIPT

3.2 SERVICE UPON RECEIPT. Refer to Chapter 2, Section II.

SECTION III. EQUIPMENT CHECK PROCEDURES

3.3 EQUIPMENT CHECK PROCEDURES. Refer to Chapter 2, Section III.

SECTION IV. PREVENTIVE MAINTENANCE CHECKS

3.4 PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS). Refer to Chapter 2, Section IV.

SECTION V. TROUBLESHOOTING

3.5 TROUBLESHOOTING. Refer to Chapter 2, Section V.

SECTION VI. MAINTENANCE PROCEDURES

3.6 MAINTENANCES PROCEDURES. Refer to Chapter 2, Section VI.

NOTE

If any of the maintenance tasks cannot be performed at unit level, then equipment will be repaired at the next higher level.

SECTION VII. PREPARATION FOR STORAGE OR SHIPMENT

3.7 PREPARATION FOR STORAGE OR SHIPMENT. Refer to Chapter 2, Section VII.

APPENDIX A

REFERENCES

A.1 SCOPE.

This appendix lists all forms and publications referenced in this manual and are required by the user to operate and maintain the AMSS.

A.2 ARMY REGULATIONS (AR).

Health and Environment ..... AR 40-5
Medical Logistics Policies and Procedures ..... AR 40-61
DOD Hazardous Food Recall System ..... AR 40-660
Military Standard Transportation and Movement Procedures (MIL-STAMP) ..... AR 55-45
Army Aviation General Provisions and Flight Regulations ..... AR 95-1
Aviation: General Provisions. Training, Standardization, and Resource Management ..... AR 95-3
Physical Security of Arms, Ammunition, and Explosives ..... AR 190-11
Dictionary of United States Army Terms ..... AR 310-25
Code of Conduct/Survival, Evasion, Resistance, and Escape (SERE) Training ..... AR 350-30
Authorized Abbreviations and Brevity Codes ..... AR 310-50
Protective Clothing and Equipment ..... AR 385-32
Ammunition and Explosives Safety Standards ..... AR 385-64
Army Aviation Accident Prevention ..... AR 385-95
Identification, Control, and Utilization of Shelf Life Items ..... AR 700-89
Material Management for Using Units, Support Units and Installations ..... AR 710-2
Requisitioning, Receipt, and Issue System ..... AR 725-50
Organization, Policies, and Responsibilities for Maintenance Operations ..... AR 750-5
Reporting, Utilization, and Redistribution of Installation USAMC, and
Overseas Command Excess Property ..... AR 755-1
Disposal of Excess, Surplus, Foreign Excess, Captured and Unwanted Material ..... AR 755-2

A.3 COMMON TABLES OF ALLOWANCE (CTA).

Army Medical Department Expendable Durable Items ..... CTA 8-100
Clothing and Individual Equipment ..... CTA 50-900
Field and Garrison Furnishings and Equipment ..... CTA 50-909
Expendable/Durable Items ..... CTA 50-970

REFERENCES (Continued)

A.4 DEPARTMENT OF THE ARMY FORMS (DA).

Recommended Changes to Publications and Blank Forms ..... DA Form 2028
Recommended Changes to Equipment Technical Manuals..... DA Form 2028-2
Hand Receipt/Annex Number ..... DA Form 2062
Prescribed Load List (LRA) ..... DA Form 2063-R
Document Register for Supply Actions..... DA From 2064
Equipment Inspection and Maintenance Worksheet..... DA Form 2404
Maintenance Request Register ..... DA Form 2405
Maintenance Request ..... DA Form 2407
Maintenance Request-Continuation Sheet ..... DA Form 2407-1
Life Raft Inspection Record..... DA Form 2408-21
Survival Radio/Emergency Locator Transmitter (ELT) Inspection Record ..... DA Form 2408-23
Survival Kit Inspection and Maintenance Record ..... DA Form 2408-24
Life Preserver Inspection Record..... DA Form 2408-26
Life Preserver Record..... DA Form 2408-27
Operational Hazard Report ..... DA Form 2696-R
Request for Issue or Turn-In ..... DA Form 2765-1
Request for Issue or Turn-in ..... DA Form 3161
Equipment Receipt ..... DA Form 3749

A.5 DEPARTMENT OF THE ARMY PAMPHLETS (DA PAM).

Consolidated Index of Army Publications and Blank Forms .....DA PAM 25-30
Why and How to Use SF 364 to report Package Discrepancies.....DA PAM 700-3
Functional User's Guide to The Army Maintenance Management System-Aviation
(TAMMS-A) .....DA PAM 738-751

A.6 DEPARTMENT OF DEFENSE FORMS (DD).

Serviceable Tag-Materiel..... DD Form 1574
Serviceable Label-Materiel ..... DD Form 1574-1
Suspended Tag-Materiel..... DD Form 1575
Suspended Label-Materiel ..... DD Form 1575-1
Test/Modification Tag-Materiel..... DD Form 1576
Test/Modification Label Materiel ..... DD From 1576-1
Unserviceable (Condemned) Tag-Materiel..... DD Form 1577

REFERENCES (Continued)

Unserviceable (Condemned) Label-Materiel ..... DD Form 1577-1
Unserviceable (Repairable) Tag-Materiel ..... DD Form 1577-2
Unserviceable (Repairable) Label-Materiel ..... DD Form 1577-3

A.7 DEPARTMENT OF THE DEFENSE PUBLICATIONS (DOD).

Defense Disposal Manual ..... DOD 4160.21-M
DOD Ammunition and Explosives Safety Standards ..... DOD 5154.4S
Quality Control Depot Serviceability Standards (Medical Supplies), Appendix M ..... DLAM 4155.5
Vol. I, Identification/Management Data,
Vol. II, Sets, Kits and Outfits,
Vol. III, MCRL, II & III ..... DOD Medical Catalog

A.8 FEDERAL STANDARDS.

Stitches, Seams, and Stitching ..... Fed Std 757

A.9 FIELD MANUALS (FM).

Maintenance Aviation Life Support Equipment (ALSE): Maintenance Program ..... FM 1-508
Maintenance Quality Control and Technical Inspection Guide for Army Aviation ..... FM 1-511
General Fabric Repair ..... FM 10-16
Army Fixed Laundry Organization and Operation ..... FM 10-17
General Repair for Clothing and Textiles ..... FM 10-267
Care and Use of Individual Clothing and Equipment ..... FM 21-15
Survival, Evasion, and Escape ..... FM 21-76
How to Prepare and Conduct Military Training ..... FM 25-3

A.10 NAVAL PUBLICATIONS.

Inflatable Survival Equipment Manual for Aviation Crew Systems NA-13-1-6.1
..... NAVSEA OD 17190

A.11 STANDARD FORMS (SF).

Report of Discrepancy (ROD) ..... SF 364
Quality Deficiency Report (Category II) ..... SF 368

A.12 SUPPLY BULLETINS (SB).

Army Medical Department Supply Information SB 8-75-1 through 8-75-35 ..... SB 8-75 SERIES
FSC Class 6135: Dry Battery Supply Data ..... SB 11-6

REFERENCES (Continued)

FSC Class 6135; Dry Battery Management Data ..... SB 11-30

A.13 SUPPLY CATALOGS (SC).

Tool Kit, Electrical TK-105/G ..... SC 5180-91-CL-R07

Tool Kit, Electrical TK-IO1/G ..... SC 5180-91-CL-R13

A.14 SUPPLY CATALOGS (FEDERAL).

Master Cross Reference List, Reference Number to NSN Sequence MCRL-1

Master Cross Reference List, Reference NSN to Number Sequence MCRL-2

Master Cross Reference List, reference CAGEC to NSN and Number Sequence..... MCRL-3

Management Data List, Army ..... CML-A

Medical Sets, Kits, and Outfits ..... C 6545-IL-VOL 2

Items of Medical Materials Only..... C 6700/9500-ML

A.15 TECHNICAL BULLETINS (TB).

Munitions: Suspended or Restricted..... TB 9-1300-385

Quality Control Depot Serviceability, Standards..... TB 740-10

Calibration Requirements for the Maintenance of Material ..... TB 43-180

Handling, Storage and Disposal of Army Aircraft Components
Containing Radioactive Material ..... TB 43-0108

A.16 TECHNICAL MANUALS (TM).

Operator's and Aviation Unit Maintenance Manual for Helicopter Flotation Kit,
One Man Vee Bottom and Cross Strap Container Assembly..... TM 14220-250-12&P

Operator's Organizational, Maintenance, Life Preserver Parachutist (B-7) ..... TM 5-4220-201-12

Maintenance Instructions with Parts Breakdown: USAF Flotation Equipment
(T.O.14S-1-102) ..... TM 5-4220-202-14

Operational, Organizational, Direct Support, General Support, and
Depot Maintenance Manual (Including Repair Parts and Special Tools List)
Compass Magnetic Unmounted: M2 ..... TM 9-1290-333-15

Ammunition and Explosives Standards..... TM 9-1300-206

Operator's and Organizational Maintenance Manual (Including Repair Parts
and Special Tools List): Military Pyrotechnics ..... TM 9-1370-203-34&P

Operator's Manual: Pyrotechnic Signals..... TM 9-1370-206-10

Survival and Emergency use of the Parachutes (AFP 64-15)..... TM 10-1670-1

Organizational and Field Maintenance Manual: Sewing Machines for the
Repair of Parachutes and Allied Equipment..... TM 10-3530-202-24

REFERENCES (Continued)

Organizational and Direct Support Maintenance Manual: General Repair Procedures for Clothing and Individual Equipment ..... TM 10-8400-201-23
Operator's Organizational, Direct Support and General Support Maintenance Manual, Including Repair Parts and Special Tools List: Test Set, Battery TS-2530/UR and TS-2530A/UR ..... TM 11-6625-2631-14
Preservation, Packaging, and Packing of Military Supplies and Equipment (Vols. 1 and 2) ..... TM 38-230-1/38-230-2
General Aircraft Maintenance Manual (ALSE Chapter 1) ..... TM 1-1500-204-23 (Series)
Operators Manual for Rigid Seat Survival Kit NSN 1680-00-223-5759 and Survival Vest NSN 1680-00-205-0974 and NSN 1680-00-187-5716 forOV-1 Aircrews ..... TM 55-1680-316-10
Operations and Service, Distress Marker, Light SDU-5/E ..... TM 55-1680-322-12
Operators Manual for Vest Survival Kit Individual SRU-21/P NSN 8465-00-177-4819 and 8465-01-174-2355 ..... TM 55-1680-351-10
Storage and Materials Handling (Including Survival Foods) ..... TM 743-200
Storage and Materials Handling ..... TM 743-200-1
Procedures for the Destruction of Life Support Equipment to Prevent Enemy Use ..... TM 750-244-1-2
Procedures for Destruction of Aircraft and Associated Equipment to Prevent Enemy Use ..... TM 750-244-1-5

A.17 AIR FORCE TECHNICAL ORDERS (TO).

Ammunition Restricted or Suspended ..... TO 1 A-l-1
Operations and Maintenance Instructions for Engineering, Shipping, and Storage: Container Model CNU-414/E (PN 11214-6792-1) ..... TO 35E20-3-36-1
..... TO 145-10-2-2

A.18 AIR FORCE PAM (AF PAM).

Search and Rescue/Survival ..... AF PAM 64-5

APPENDIX B

MAINTENANCE ALLOCATION CHART

SECTION I. INTRODUCTION

B.1 MAINTENANCE ALLOCATION CHART.

a. This Maintenance Allocation Chart (MAC) assigns maintenance functions in accordance with the Three Levels of Maintenance concept for Army aviation. These maintenance levels Aviation Unit Maintenance (AVUM), Aviation Intermediate Maintenance (AVIM), and Depot Maintenance are depicted on the MAC as:

AVUM, which corresponds to an O Code in the Repair Parts and Special Tools List (RPSTL)

AVIM, which corresponds to an F Code in the Repair Parts and Special Tools List (RPSTL)

DEPOT, which corresponds to a D Code in the Repair Parts and Special Tools List (RPSTL)

b. The maintenance to be performed below depot and in the field is described as follows:

(1) AVUM activities will be staffed and equipped to perform high frequency On-Aircraft maintenance tasks required to retain or return aircraft systems to a serviceable condition. The maintenance capability of AVUM will be governed by the MAC and limited by the amount and complexity of ground support equipment (GSE), facilities required, authorized manning strength, and critical skills available. The range and quantity of authorized spare modules/components will be consistent with the mobility requirements dictated by the air mobility concept. (Assignments of maintenance tasks to divisional company size aviation units will consider the overall maintenance capability of the division, the requirement to conserve personnel and equipment resources, and air mobility requirements.)

(a) Company Size Aviation Units: Perform those tasks which consist primarily of preventive maintenance and maintenance repair and replacement functions associated with sustaining a high level of aircraft operational readiness. Perform maintenance inspections and servicing to include preflight, daily, intermediate, periodic (or phased), and special inspections as authorized by the MAC or higher headquarters. Identify the cause of equipment/system malfunctions using applicable technical manual troubleshooting instructions, built-in-test equipment (BITE), installed aircraft instruments, or test, measurement, and diagnostic equipment (TMDE). Replace worn or damaged modules/components that do not require complex adjustments or system alignment and which can be removed/installed with available skills, tools, and ground support equipment. Perform operational and continuity checks and make minor repairs to the electrical system. Inspect, service and make operational, check capacity and pressure of hydraulic systems. Perform servicing, functional adjustments, and minor repair/replacement to the flight control, propulsion, power train, and fuel systems. Accomplish airframe repair that does not require extensive disassembly, jigging, or alignment. The manufacture of airframe parts will be limited to those items which can be fabricated with tools and equipment found in current air mobile tool and ship sets. Evacuate unserviceable modules/components and end items beyond the repair capability of AVUM to the supporting AVIM.

(b) Less than Company Size Aviation Units: Aviation elements organic to brigade, group, and battalion headquarters, and other detachment size units are normally small and have less than ten aircraft assigned. Maintenance tasks performed by these units will be those which can be accomplished by the aircraft crew chief or assigned aircraft repairman and will normally be limited to preventive maintenance, inspections, servicing, spot painting, stop drilling, application of nonstress patches,

minor adjustments, module/component fault diagnosis, and replacement of selected modules/components. Repair functions will normally be accomplished by the supporting AVIM unit

(2) AVIM provides mobile, responsive "One-Stop" maintenance support (Maintenance functions which are not conducive to sustaining air mobility will be assigned to depot maintenance.) AVIM may perform all maintenance functions authorized to be done at AVUM. Repair of equipment for return to user will emphasize support or operational readiness requirements. Authorized maintenance includes replacement and repair of modules/components and end items, which can be accomplished efficiently with available skills, tools, and equipment. AVIM establishes the Direct Exchange (DX) program for AVUM units by repairing selected items for return to stock when such repairs cannot be accomplished at the AVUM level. The AVIM level inspects, troubleshoots, performs diagnostic tests, repairs, adjusts, calibrates, and aligns aircraft system modules/components. AVIM units will have the capability to determine the serviceability of specified modules/components removed prior to the expiration of the Time Between Overhaul (TBO) or finite life. Module/component disassembly and repair will support the DX program and will normally be limited to tasks requiring cleaning and the replacement of seals, fittings, and items of common hardware. Airframe repair and fabrication of parts will be limited to those maintenance tasks which can be performed with available tools and test equipment. Unserviceable reparable modules/components and end items which are beyond the capability of AVIM to repair will be evacuated to Depot Maintenance. AVIM will perform aircraft weight and balance inspections and other special inspections which exceed AVUM capability. AVIM provides quick response maintenance support, including aircraft recovery and air evacuation, on-the-job training, and technical assistance through the use of mobile maintenance contact teams. The AVIM also maintains authorized operational readiness float aircraft AVIM shall provide collection and classification services for serviceable/unserviceable materiel. (The aircraft maintenance company within the maintenance battalion of a division will perform AVIM functions consistent with air mobility requirements and conservation of personnel and equipment resources. Additional intermediate maintenance support will be provided by the supporting nondivisional AVIM unit.)

NOTE

Nomenclatures used throughout the MAC are approved item names. Those terms/nomenclatures expressed in parentheses are generic in nature and are not to be considered as official terminology.

B.2 USE OF THE MAINTENANCE ALLOCATION CHART (SECTION II).

a. The MAC assigns maintenance functions to the lowest category of maintenance based on past experience and the following considerations:

(1) Skills available.
(2) Work time required.
(3) Tools and test equipment required and/or available.

b. Only the lowest category of maintenance authorized to perform a maintenance function is indicated. If the lowest maintenance category cannot perform all tasks of any single maintenance function (e.g., test, repair), then the higher maintenance level(s) that can accomplish additional tasks will also be indicated.

c. A maintenance function assigned to a maintenance category will automatically be authorized to be performed at any higher maintenance category.

d. A maintenance function that cannot be performed at the assigned category of maintenance for any reason may be evacuated to the next higher maintenance category. Higher maintenance categories will perform the

maintenance functions of lower maintenance categories when required or directed by the commander that as the authority to direct such tasking.

e. The assignment of a maintenance function will not be construed as authorization to carry the related repair parts or spares in stock. Information to requisition or otherwise secure the necessary repair parts will be as specified in the associated RPSTL.

f. Normally there will be no deviation from the assigned level of maintenance. In cases of operational necessity, maintenance functions assigned to a maintenance level may, on a one-time basis and at the request of the lower maintenance level, be specifically authorized by the maintenance officer of the level of maintenance to which the function is assigned. The special tools, equipment, etc., required by the lower level of maintenance to perform this function will be furnished by the maintenance level to which the function is assigned. This transfer of a maintenance function to a lower maintenance level does not relieve the higher maintenance level of the responsibility for the function. The higher level of maintenance will provide technical supervision and inspection of the function being performed at the lower level.

g. Changes to the Maintenance Allocation Chart will be based on continuing evaluation and analysis by responsible technical personnel and on reports received from field activities.

B.3 MAINTENANCE FUNCTIONS.

Maintenance functions will be limited to and defined as follows:

a. Inspect. To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination.

b. Test To verify serviceability by measuring the mechanical or electrical characteristics of an item and compare those characteristics with prescribed standards.

c. Service. Operations required periodically to keep an item in proper operating condition, i.e., to clean (includes decontaminate, when required), to preserve, to drain, to paint, or to replenish fuel, lubricants, chemical fluids, or gases.

d. Adjust. To maintain, within prescribed limits, by bringing into proper or exact position, or by setting the operating characteristics to specified parameters.

e. Align. To adjust specified variable elements of an item to bring about optimum or desired performance.

f. Calibrate. To determine and cause corrections to be made or to be adjusted on instruments or test, measuring, and diagnostic equipment used in precision measurement. Consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.

g. Install. The act of emplacing, seating, or fixing into position an item, part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.

h. Replace. The act of substituting a serviceable like type part, subassembly, or module (component or assembly) for an unserviceable counterpart.

i. Repair. The application of maintenance services or other maintenance actions to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module (component or assembly), end item, or system.

j. Overhaul. That maintenance effort (service/action) necessary to restore an item to a completely serviceable/operational condition as prescribed by maintenance standards in appropriate technical

publications, i.e., Depot Maintenance Work Requirement (DMWR). Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like new condition.

k. Rebuild. Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of materiel maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (hours/miles, etc.) considered in classifying Army equipments/components.

B.4 EXPLANATION OF COLUMNS IN THE MAC, SECTION II.

a. Functional Groups (Columns 1 and 2). The functional groupings shown in the sample below identify maintenance significant components and assemblies.

Group Number	Description
01	Two-Crewmembers AMSS
02	Three-Crewmembers AMSS
03	Four-Crewmembers AMSS
04	TOW Tube AMSS
05	Approved Equipment List

b. Maintenance Function (Column 3). Column 3 lists the functions to be performed on the items listed in Column 2.

c. Maintenance Level (Column 4). The maintenance levels AVUM, AVIM, and DEPOT are listed on the Maintenance Allocation Chart with individual columns that include the work tines for maintenance functions at each maintenance level. Work time presentations such as "0.1" indicate the average time it requires a maintenance level to perform a specified maintenance function. In this case, "0. I1" indicates one-tenth of an hour, not one minute. If a work time has not been established, the columnar presentation shall indicate "--- • ---". Maintenance levels higher than the level of maintenance indicated are authorized to perform the indicated functions.

d. Tools and Test Equipment Reference Code (Column 5 and Section EI). Common tools sets (not individual tools), special tools, and test and support equipment required to perform maintenance functions are listed alphabetically in Section III with a reference number to permit cross-referencing to Column 5 in the MAC. In addition. the maintenance category authorized to use the device is listed along with the item National Stock Number (NSN) and, if applicable, the tool number to aid in identifying the tool/device.

e. Remark Code (Column 6 and Section IV). Remarks (identified by an alphabetical code in Column 6) and other notes (identified by a number in parentheses in the applicable column) are listed in Section IV to provide a ready reference to the remark/note.

B.5 EXPLANATION OF COLUMNS IN TOOLS AND TEST EQUIPMENT REQUIREMENTS, SECTION III.

a. Column 1, Tools or Test Equipment Reference Code. The tool and test equipment reference code correlates with a code used in the MAC, Section II, Column 5.

b. Column 2, Maintenance Level. The lowest level of maintenance authorized to use the tool or test equipment.

c. Column 3, Nomenclature. Name or identification of the tool or test equipment

d. Column 4, National Stock Number. The National Stock Number of the tool or test equipment

e. Column 5, Tool Number. The manufacturer's part number.

B.6 EXPLANATION OF COLUMNS IN REMARKS, SECTION IV.

a. Column 1, Remarks Code. The code recorded in column 6, Section II.

b. Column 2, Remark. This column lists information pertinent to the maintenance function being performed as indicated in the MAC, Section II.

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level			(5) Tools & Equip Ref Code	(6) Remarks Code
			AVUM(O)	AVIM(F)	DEPOT(D)		
01	2-Crewmembers Module	Replace	0.1				
0101	Battery, Non-Rechargeable (for Light, Marker, Distress)	Inspect	0.1				
		Test	0.2			9	
		Replace	0.1				
0102	Container, Survival (Small)	Inspect	0.2				
		Service	0.2				
		Replace	0.1				
		Repair	1.0			3, 4, 7, 14, 15	
0103	Demineralizer, Reverse Osmosis (Water Purifier, MROD-06)	Inspect	0.1				
		Service	0.5				
		Replace	0.1				
		Repair	1.0			1, 5, 12, 13	
		Test	5				
0104	Equipment Bag	Inspect	0.3				
		Service	0.2				
		Repair	0.1			8	
	Pocket Grommet	Replace	0.1				
		Repair	0.2			6	
	Pocket Tie Tape	Replace	0.3				
	Carrying Handle	Replace	0.3			8	A
	Slide Fastener	Replace	0.5			8	
0105	Fire Starter	Inspect	0.1				
		Replace	0.1				
0106	Food Packet, Survival	Inspect	0.1				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level AVUM (O)	AVIM (F)	DEPOT (D)	(5) Tools & Equip Ref Code	(6) Remarks Code
0107	Fuel, Compressed, Trioxane	Inspect	0.1				
		Replace	0.1				
0108	Fuel Siphon	Inspect	0.1				
		Replace	0.1				
0109	Light, Chemical	Inspect	0.1				
		Replace	0.1				
0110	Light, Marker, Distress	Inspect	0.1				
		Test	0.2			10	
		Replace	0.1				
0111	Matches & Container	Inspect	0.1				
		Replace	0.1				
0112	Operators Manual	Inspect	0.1				
		Replace	0.1				
0113	Pocket Stove	Inspect	0.1				
		Replace	0.1				
0114	Tent, Multi-Purpose	Inspect	0.2				
		Replace	0.1				
		Repair	0.4			8	
0115	Signal, Smoke & Illumination	Inspect	0.1				
		Replace	0.1				
0116	Survival Manual FM 21-76 or AFM 64-5	Inspect	0.1				
		Replace	0.1				
0117	Water, Drinking, Emergency	Inspect	0.11				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level AVUM (O)	AVIM(F)	DEPOT (D)	(5) Tools & Equip Ref Code	(6) Remarks Code
02	3-Crewmembers Module		0.1				
0201	Battery, Non-Rechargeable (for Light, Marker, Distress)		0.1				
			0.2			9	
			0.1				
0202	Containe, Survival (Medium)		0.2				
			0.2				
			0.1				
			1.0			3,4,7, 14, 15	
0203	Demineralizer, Reverse Osmosis (Water Purifier, MROD-06)	Inspect	0.1				
		Service	0.5				
		Replace	0.1				
		Repair	1.0			1, 5, 12, 13	
		Test	.5				
0204	Equipment Bag	Inspect	0.3				
		Service	0.2				
		Repair	0.1			8	
	Pocket Grommet	Replace	0.1				
		Repair	0.2			6	
	Pocket Tie Tape	Replace	0.3				
	Carrying Handle	Replace	0.3			8	A
	Slide Fastener	Replace	0.5			8	
0205	Fire Starter	Inspect	0.1				
		Replace	0.1				
0206	Food Packet, Survival	Inspect	0.1				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level AVUM (0)	AVIM (F)	DEPOT (D)	(5) Tools & Equip Ref Code	(6) Remarks Code
0207	Fuel, Compressed, Trioxane	Inspect	0.1				
		Replace	0.1				
0208	Fuel Siphon	Inspect	0.1				
		Replace	0.1				
0209	Light, Chemical	Inspect	0.1				
		Replace	0.1				
0210	Light, Marker, Distress	Inspect	0.1				
		Test	0.2			10	
		Replace	0.1				
0211	Matches & Container	Inspect	0.1				
		Replace	0.1				
0212	Operators Manual	Inspect	0.1				
		Replace	0.1				
0213	Pocket Stove	Inspect	0.1				
		Replace	0.1				
0214	Tent, Multi-Purpose	Inspect	0.2				
		Replace	0.1				
		Repair	0.4			8	
0215	Signal, Smoke & Illumination	Inspect	0.1				
		Replace	0.1				
0216	Survival Manual FM 21-76 or AFM 64-5	Inspect	0.1				
		Replace	0.1				
0217	Water, Drinking, Emergency	Inspect	0.1				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level AWUM (0)	AVUM (F)	DEPOT (D)	(5) Tools & Equip Ref Code	(6) Remarks Code
03	4-Crewmembers Module	Replace	0.1				
0301	Battery, Non-Rechargeable (for Light. Marker, Distress)	Inspect	0.1				
		Test	0.2			9	
		Replace	0.1				
0302	Container, Survival (Medium)	Inspect	0.2				
		Service	0.2				
		Replace	0.1				
		Repair	1.0			3,4,7, 14,15	
0303	Demineralizer, Reverse Osmosis (Water Purifier. MROD-06)	Inspect	0.1				
		Service	0.5				
		Replace	0.1				
		Repair	1.0			1,5,12, 13	
		Test	.5				
0304	Equipment Bag	Inspect	0.3				
		Service	0.2				
		Repair	0.1			8	
	Pocket Grommet	Replace	0.1				
		Repair	0.2			6	
	Pocket lie Tape	Replace	0.3				
	Carrying Handle	Replace	0.3			8	A
	Slide Fastener	Replace	0.5			8	
0305	Fire Starter	Inspect	0.1				
		Replace	0.1				
0306	Food Packet. Survival	Inspect	0.1				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level AVUM (0)	AVIM (F)	DEPOT (D)	(5) Tools & Equip Ref Code	(6) Remarks Code
0307	Fuel, Compressed, Trioxane	Inspect	0.1				
		Replace	0.1				
0308	Fuel Siphon	Inspect	0.1				
		Replace	0.1				
0309	Light, Chemical	Inspect	0.1				
		Replace	0.1				
0310	Light, Marker, Distress	Inspect	0.1				
		Test	0.2			10	
		Replace	0.1				
0311	Matches & Container	Inspect	0.1				
		Replace	0.1				
0312	Operators Manual	Inspect	0.1				
		Replace	0.1				
0313	Pocket Stove	Inspect	0.1				
		Replace	0.1				
0314	Tent, Multi-Purpose	Inspect	0.2				
		Replace	0.1				
		Repair	0.4			8	
0315	Signal, Smoke & Illumination	Inspect	0.1				
		Replace	0.1				
0316	Survival Manual FM 21-76 or AFM 64-5	Inspect	0.1				
		Replace	0.1				
0317	Water, Drinking, Emergency	Inspect	0.1				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assemmbly	(3) Maintenance Function	(4) Maintenance Level			(5) Tools & Equip Ref Code	(6) Remarks Code
				AVIM (F)	DEPOT (D)		
04	AH-1 TOW Tube Module	Replace	0.1				
0401	Battery, Non-Rechargeable (for Light, Marker, Distress)	Inspect	0.1				
		Test	0.2			9	
		Replace	0.1				
0402	Case, Missile (Tow Tube Container)	Inspect	0.2				
		Service	0.2				
		Replace	0.1				
		Repair	1.0			3,4,7, 14,15	
0403	Demineralizer, Reverse Osmosis (Water Purifier, MROD-06)	Inspect	0.1				
		Service	0.5				
		Replace	0.1				
		Repair	1.0			1,5,12, 13	
		Test	.5				
0404	Equipment Bag	Inspect	0.2				
		Service	0.2				
		Replace	0.1				
		Repair	1.0			8	
	Slide Fastener	Replace	0.1			8	
	Carrying Handle	Replace	1.0			8	A
	Snap Link	Inspect	0.1				
		Replace	0.1				
0405	Fire Starter	Inspect	0.1				
		Replace	0.1				
0406	Food Packet, Survival	Inspect	0.1				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level AVUM (0)	AVIM (F)	DEPOT (D)	(5) Tools & Equip Ref Code	(6) Remarks Code
0407	Fuel, Compressed, Trioxane	Inspect	0.1				
		Replace	0.1				
0408	Fuel Siphon	Inspect	0.1				
		Replace	0.1				
0409	Light, Chemical	Inspect	0.1				
		Replace	0.1				
0410	Light, Marker, Distress	Inspect	0.1				
		Test	0.2			10	
		Replace	0.1				
0411	Matches & Container	Inspect	0.1				
		Replace	0.1				
0412	Operators Manual	Inspect	0.1				
		Replace	0.1				
0413	Pocket Stove	Inspect	0.1				
		Replace	0.1				
0414	Tent, Multi-Purpose	Inspect	0.2				
		Replace	0.1				
		Repair	0.4			8	
0415	Signal, Smoke & Illumination	Inspect	0.1				
		Replace	0.1				
0416	Survival Manual FM 2l-76 or AFM 64-5	Inspect	0.1				
		Replace	0.1				
0417	Water, Drinking, Emergency	Inspect	0.1				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level AVUM (O)	AVIM (F)	DEPOT(D)	(5) Tools & Equip Ref Code	(6) Remarks Code
05	Survival Equipment (Approved Equipment List)						
0501	Aluminum Foil	Inspect	0.1				
		Replace	0.1				
0502	Bag, Self Sealing (zip Lock)		0.1				
		Replace	0.1				
0503	Bag, Water Storage	Inspect	0.1				
			0.1				
0504	Bailer, Boat	Inspect	0.1				
		Replace	0.1				
0505	Blanket, Lightweight		0.1				
		Replace	0.1				
0506	Candle, Illuminating	Inspect	0.1				
			0.1				
0507	Cloth, Parachute	Inspect	0.1				
		Replace	0.1				
0508	Compass, Magnetic		0.1				
		Replace	0.1				
0509	Container, Survival (Large)	Inspect	0.2				
			0.2				
		Replace	0.1				
		Repair	1.0			3,4,7, 14,15	
0510	Cord, Nylon		0.2				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level			(5) Tools & Equip Ref Code	(6) Remarks Code
			AVUM(O)	AVIM(F)	DEPOT(D)		
0511	Cover, Individual, Camouflage Net (Woodland, Snow, Desert)	Inspect	0.1				
		Replace	0.1				
0512	Cup, Water, Canteen	Inspect	0.1				
		Replace	0.1				
0513	Desalter Kit. Seawater	Inspect	0.1				
		Replace	0.1				
0514	Entrenching Tool. Hand	Inspect	0.1				
		Replace	0.1				
0515	First Aid Kit	Inspect	0.3				
		Replace	0.1				
0516	Fishing Kit	Inspect	0.1				
		Replace	0.1				
0517	Flashlight	Inspect	0.1				
		Replace	0.1				
0518	Fork, Field Mess	Inspect	0.1				
		Replace	0.1				
0519	Goggles, Sun. Wind and Dust	Inspect	0.1				
		Replace	0.1				
0520	Hat, Reversible	Inspect	0.1				
		Replace	0.1				
		Repair	0.2			8	
0521	Insect Net. Head	Inspect	0.1				
		Replace	0.1				
0522	Knife, Field Mess	Inspect	0.1				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level			(5) Tools & Equip Ref Code	(6) Remarks Code
			AVUM(O)	AVIM(F)	DEPOT(D)		
0523	Knife. Hunting (Sheath)	Inspect Replace	0.1 0.1				
0524	Knife. Pocket	Inspect Replace	0.1 0.1				
0525	Knife, Pocket, Leatherman Tool	Inspect Replace	0.1 0.1				
0526	Life Preserver, Underarm (LPU- 10/P)	IAW TM 5-4220-202-14/ T.O. 14S-1-102 or NAVAIR 13-1-6.1					
0527	Life Raft (LRU-13/A) Life Raft (LRU-1/P) Life Raft (LRU-17/P)	IAW TM 5-4220-202-14/ T.O. 14S-1-102 or NAVAIR 13-1-6.1					
0528	Life Raft (SRU-37/P)	IAW TM 1-4220-250-12&P					
0529	Machete, With Sheath	Inspect Replace	0.1 0.1				
0530	Mirror, Emergency Signaling	Inspect Replace	0.1 0.1				
0531	Net, Multi-Purpose (Fishing Gill Net)	Inspect Replace	0.1 0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level AVUM (O)	AVUM	DEPOT (D)	(5) Tools & Equip Ref Code	(6) Remarks Code
0532	Paddle, Boat	Inspect	0.1				
		Replace	0.1				
0533	Paint, Face, Light Green	Inspect	0.1				
	Paint, Face, White and Loam	Replace	0.1				
0534	Pan, Frying	Inspect	0.1				
		Replace	0.1				
0535	Panel Marker, Survival	Inspect	0.1				
		Replace	0.1				
0536	Pin, Tent, Aluminum, 9 in	Inspect	0.1				
	Pin, Tent, Steel, 12 in	Replace	0.1				
0537	Pancho, Wet Weather	Inspect	0.1				
		Replace	0.1				
		Repair	0.5			8	
0538	Pump, Inflating, Manual	Inspect	0.1				
		Replace	0.1				
0539	Repair Kit, Life Raft	Inspect	0.1				
		Replace	0.1				
0540	Saw, Hand, Finger Grip	Inspect	0.1				
		Replace	0.1				
0541	Saw Knife Assembly, Survival	Inspect	0.1				
		Replace	0.1				
0542	Saw-Knife-Shovel Assembly	Inspect	0.1				
		Replace	0.1				
0543	Sea Marker, Fluorescein	Inspect	0.1				
		Replace	0.1				

SECTION II. MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level AVUM (O)	AVIM (F)	DEPOT (D)	(5) Tools & Equip Ref Code	(6) Remarks Code
0544	Sewing Kit	Inspect	0.1				
		Replace	0.1				
0545	Sharpener, General Purpose	Inspect	0.1				
		Replace	0.1				
0546	Tent Liner/Sleeping Bag	Inspect	0.1				
		Repair	0.2				
		Rep1ace	0.1				
0547	Sleeping Bag	Inspect	0.2				
		Replace	0.1				
0548	Snap Link, Mountain	Inspect	0.1				
		Replace	0.1				
0549	Snowshoes, Trail-type	Inspect	0.2				
		Replace	0.1				
0550	Speedhook, Snare	Inspect	0.1				
		Replace	0.1				
0551	Sponge	Inspect	0.1				
		Replace	0.1				
0552	Spoon, Field Mess	Inspect	0.1				
		Replace	0.1				
0553	Spoon, Picnic (Plastic)	Inspect	0.1				
		Replace	0.1				
0554	Stone, Sharpening	Inspect	0.1				
		Replace	0.1				
0555	Strap, Rubber, Tie-down (15", 21", 31")	Inspect	0.1				
		Replace	0.1				

SECTION II MAINTENANCE ALLOCATION CHART FOR AMSS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level AVUM (0)	AVIM (F)	DEPOT(D)	(5) Tools& Equip Ref Code	(6) Remarks Code
0556	Sunglasses	Inspect	0.1				
		Replace	0.1				
0557	sunscreen Preparation	Inspect	0.1				
		Replace	0.1				
0558	Survival Manual (AFM 64-5 or FM 21-76)	Inspect	0.1				
		Replace	0.1				
0559	Tarpaulin	Inspect	0.1				
		Replace	0.1				
		Repair	0.5			8	
0560	Tie-down Strap (Parachute Quick-Release Snaps)	Inspect	0.1				
		Replace	0.1				
0561	Tool Kit, Pioneer	Inspect	0.1				
		Replace	0.1				
0562	Tool Kit, Survival	Inspect	0.1				
		Replace	0.1				
0563	Towel. Bath	Inspect	0.1				
		Replace	0.1				
0564	Tubing, Nonmetallic (Latex)	Inspect	0.1				
		Replace	0.1				
0565	Whistle, Ball, Plastic	Inspect	0.1				
		Replace	0.1				
0566	Wire, Non-Electrical (Snare Wire)	Inspect	0.1				
		Replace	0.1				

SECTION III. TOOLS AND TEST EQUIPMENT REQUIREMENTS

(1) Tool Or Test Equipment Reference Code	(2) Maintenance Level	(3) Nomenclature	(4) National Stock Number	(5) Tool Number
1	AVUM	Bit Set Screwdriver	5120-00-240-8703	
2	AVUM	Brush Stencil	7520-00-248-9285	
3	AVUM	Drill, Electric l/4 In. Portable	5130-00-889-8994	
4	AVUM	Drill Set, Twist	5133-00-293-0983	
5	AVUM	Meter, Dissolved Solids 0-50.000 ppm	6630-0l-127-4774	
6	AVUM	Mallet, Rawhide	5120-00-293-3397	
7	AVUM	Rivet Gun	5120-01-289-4310	
		Pop	5120-00-357-6065	
		Cherry	5120-00-224-9296	
8	AVUM	Shears, Straight	5110-00-161-6912	
9	AVUM	Test Set, AN/PRM-32A	6625-01-013-9900	
9	AVUM	Test Set, ANR/TS-24B	6625-01-128-8588	
9	AVUM	Tester, TS-2530A/UR	6625-00-238-0223	
10	AVUM	Test Set, Strobe Light	6625-01-085-9669	
11	AVUM	Tool Kit, Chuck and Die Set	5180-00-341-4137	
12	AVUM	Tool Kit, Aircraft General Mechanic	5180-00-323-4692	
13	AVUM	Beaker, Laboratory (50 ML)	6640-00-264-8323	
14	AVUM	Tool Kit Airframe Repairman	5180-00-323-4876	
15	AVUM	Tool Set, AVUM, Set No. 2	4920-00-567-0476	
16	AVUM	Meter, Range Multiplier	6630-01-103-9007	
17	AVUM	Product Barb Insertion Tool	1680-01-418-470 1	
18	AVUM	MROD-06 Spanner Wrench	5 120-00-293-0798	

SECTION IV. REMARKS

Remarks Code	Remarks
A	Fabricate

APPENDIX C

REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)

SECTION I. INTRODUCTION

C.1 SCOPE.

This RPSTL lists and authorizes spares and repair parts, special tools, special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of aviation unit maintenance of the AMSS. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the Source, Maintenance and Recoverability (SMR) codes.

C.2 GENERAL.

In addition to Section I, Introduction, this RPSTL is divided into the following sections:

a. Section H. Repair Parts List. A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence.

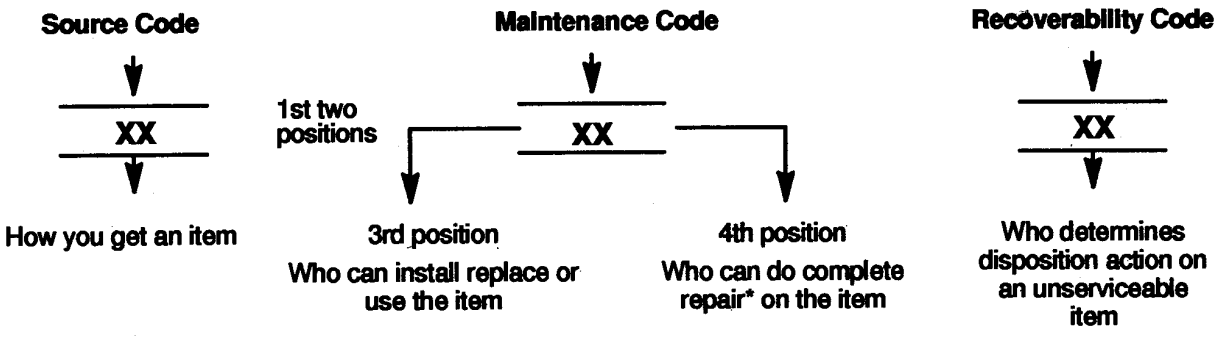
b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL for the performance of maintenance.

c. Section IV. Cross-Reference Indexes. A list, in National Item Identification Number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listing. NSNs and part numbers are cross-referenced to each illustration figure and item number appearance.

C.3 EXPLANATION OF COLUMNS (SECTIONS II AND III).

a. ITEM NO. (Column (1)). Indicates the number used to identify items called out in the illustration.

b. SMR CODE (Column (2)). The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:



NOTE

Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) Source Code. The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow:

Code	Application/Explanation
PA PB PC PD PE PF PG	Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code. **NOTE** **Items coded PC are subject to deterioration**.
KD KF KB	Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.
MO (Made at org AVUM level) MF (Made at DS/AVUM level) MH (Made at GS level) ML (Made at Specialized Repair Activity (SRA)) MD (Made at Depot)	Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in the RPSTL. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.

AO	(Assembled by/ unit/AVUM Level)
AF	(Assembled by DS/AVIM Level)
AH	(Assembled by GS Level)
AL	(Assembled by SRA)
AD	(Assembled by Depot)

Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3rd position code of the SMR code, authorizes you to replace the item, but the source code indicates the items are assembled at a higher level, order the item from the higher level of maintenance.

XA Do not requisition an "XA"-coded item. Order its next higher assembly. (Also, refer to the NOTE below.)
XB If an "XB" item is not available from salvage, order it using the Commercial and Government Entity Code (CAGEC) and part number given.
XC Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.
XD Item is not stocked. Order an "XD"-coded item through normal supply channels using the CAGEC and part number given, if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

(2) Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to use and repair support items. The maintenance codes are entered in the third and fourth positions of the SMR Code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to the following levels of maintenance.

Code	Application/Explanation
C	-Crew or operator maintenance done within organizational or aviation unit maintenance.
O	-Organizational or aviation unit category can remove, replace, and use the item.
F	-Direct support or aviation intermediate level can remove, replace, and use the item.
H	-General support level can remove, replace, and use the item.
L	-Specialized repair activity can remove, replace, and use the item.
D	-Depot level can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions). This position will contain one of the following maintenance codes.

NOTE

Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.

Code	Application/Explanation
O	-Organizational or aviation unit is the lowest level that can do complete repair of the item.
F	-Direct support or aviation intermediate is the lowest level that can do complete repair of the item.
H	-General support is the lowest level that can do complete repair of the item.
L	-Specialized repair activity (designate the specialized repair activity) is the lowest level that can do complete repair of the item.
D	-Depot level is the lowest level that can do complete repair of the item.
Z	-Nonreparable. No repair is authorized.
B	-No repair is authorized. No parts or special tools are authorized for the maintenance of a "B" coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.

(3) Recoverability Code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows:

Code	Application/Explanation
Z	-Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the 3rd position of the SMR Code.
0	-Reparable item. When uneconomically reparable, condemn and dispose of the item at organizational or aviation unit level.
F	-Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or aviation intermediate level.
H	-Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support level.
D	-Reparable item. When beyond lower level repair capability, return to depot Condemnation and disposal of item not authorized below depot level.
L	-Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
A	-Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. National Stock Number (Column (3). The National stock number (NSN) for the item is listed in this column.

d. CAGEC (Column (4)). Commercial and Government Entity Code (CAGEC) (Column (4)). CAGEC is a 5-position alphanumeric code which is used to identify the manufacturer, distributor or Government agency/activity that supplies the item.

e. Part Number (Column (5)). Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When you use a NSN to requisition an item, the item you receive may have a different part number from the number listed.

f. Description and Usable on Code (UOC) (Column (6)). This column includes the following information:

(1) The Federal item name and, when required, a minimum description to identify the item.

(2) The Usable on Code, when applicable (see paragraph C.5, Special Information).

(3) The statement "END OF FIGURE" appears just below the last item description in Column 6 for a given figure in both Section II and Section III.

g. Unit of Measure (U/M) (Column (7)). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. Qty (Column (8)). The QTY (quantity incorporated in unit) column indicates the quantity of the item used in the breakout shown on the illustration/figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that quantity is variable and the quantity may vary from application to application.

C.4 EXPLANATION OF COLUMNS (SECTION IV).

a. National Stock Number (NSN) Index.

B This column lists the NSN by National Item Identification Number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN, as follows:

NSN
5305-01-674-1467
NIIN

When using this column to locate an item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

(2) FIG. column. This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section III.

(3) ITEM column. The item number identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.

b. Part Number Index. Part numbers in this index are listed by part number in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

(1) Part Number column. Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

(2) FIG. column. This column lists the number of the figure where the item is identified/located in Section II and Section III.

(3) ITEM column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

C.5 SPECIAL INFORMATION.

a. Usable On Code. The usable on code appears in the lower right comer of the Description column heading. Usable on codes are shown as "UOC: ..... in the Description Column (justified left) on the first line applicable item description/nomenclature. Uncoded items are applicable to all models.

b. Fabrication Instructions. Bulk materials required to manufacture items are listed in the Bulk Material Functional Group of this RPSTL. Part numbers for bulk materials are also referenced in the description column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in Appendix E.

c. Assembly Instruction. Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in Chapter 2. Items that make up the assembly are listed immediately following the assembly item entry or reference is made to an applicable figure.

d. Indentured List. Some items in the DESCRIPTION column are indentured by a dot(s). Indentured items are a component(s) of the preceding item(s) with one less indenture level.

C.6 HOW TO LOCATE REPAIR PARTS.

a. When National Stock Number or Part Number is Not Known.

(1) First. Using the table of contents, determine the assembly group or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) Second. Find the figure covering the assembly group or subassembly group to which the item belongs.

(3) Third. Identify the item on the figure and note the item number.

(4) Fourth. Refer to the Repair Parts List for the figure and item numbers. The NSN's and part numbers are on the same line as the associated item numbers.

b. When National Stock Number or Part Number is Known.

(1) First. Using the National Stock Number or Part Number Index, find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence (see C4.a(l)). The part numbers in the Part Number index are listed in ascending alphanumeric

sequence (see C4.b). Both indexes cross-reference you to the illustration/figure and item number of the item you are looking for.

(2) Second. Turn to the figure and item number, verify that the item is the one you are looking for, then locate the item number in the repair parts list for the figure.

C.7 ABBREVIATIONS. (NOT APPLICABLE).

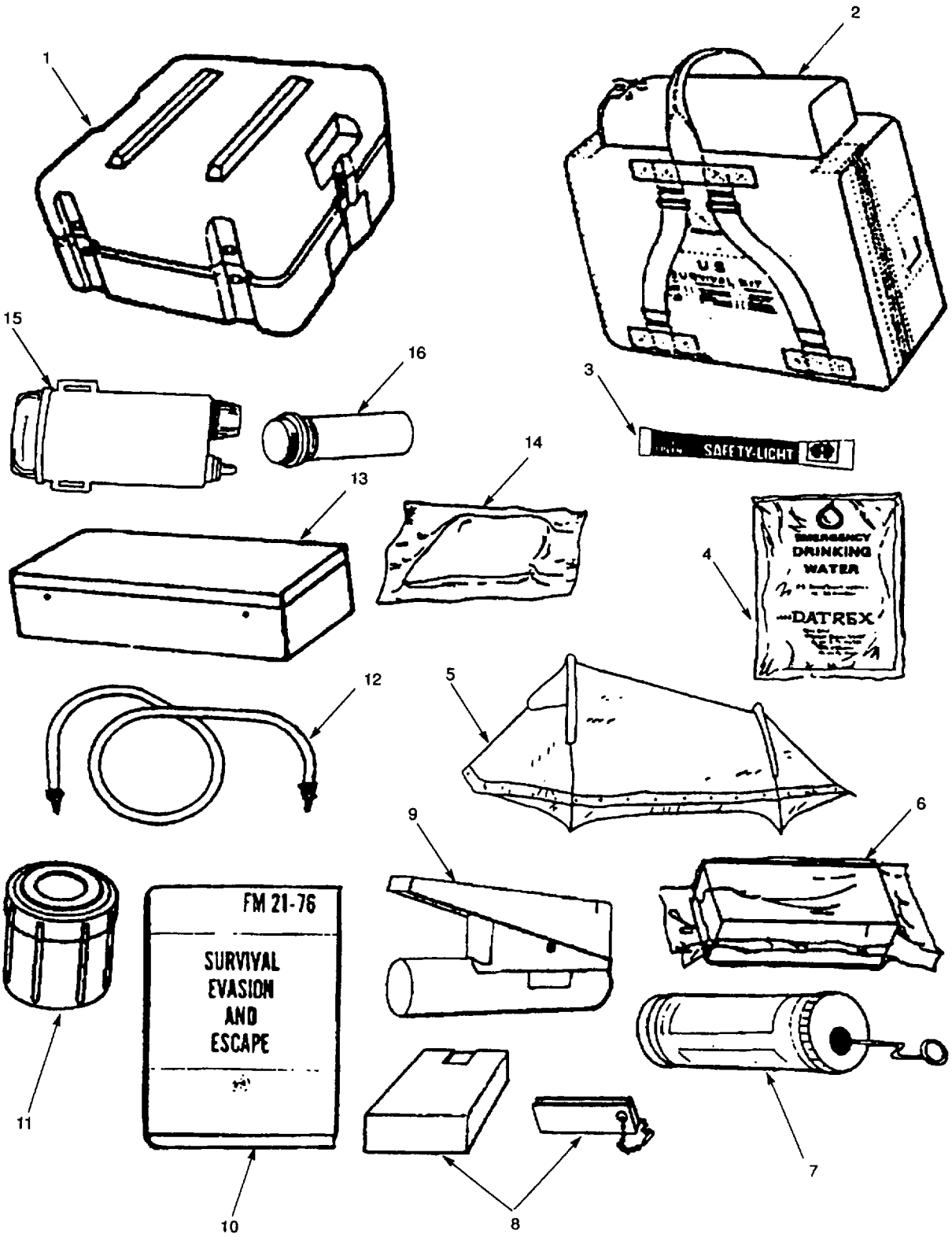


Figure C-1. Two-Crewmember AMSS

SECTION II.

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	QtY Inc In Unit
C-1		AOOOO				Two-Crewmember AMSS		
C-1	1	PAOZZ	1686-01-361-4860	11214	AL-1616-0495-9697-700	Container, Survival (Small)	EA	1
C-1	2	PAOOO	1680-00-082-2512	81349	MIL-C-43647	Case, Individual Survival Kit	EA	V
C-1	2	PAOOO	1680-00-682-2513	81349	MIL-C-43647	.Case, Individual Survival Kit	EA	V
C-1	3	PCOZZ	6260-01-074-4229	83289	95270-53	.Light, Chemical	EA	4
C-1	4	PCOZZ	89601-124-4543	81349	MIL-W-44126	.Water, Drinking, Emergency. (4 oz)	PG	24
C-1	5	PAOFF	8340-01-360-4427	6Y333	79905	.Shelter, Half Tent (See Fig C-5, Item 25 for breakdown)	EA	2
C-1	6	PCOZZ	8970-00-082-5665	81349	MIL-F-43231	.Survival Food Packets	PZ	6
C-1	7	PAOZZ	1370-01-030-8339	10001	DL3139734	.Signal, Smoke and Illumination (MK124) L283	EA	4
C-1	7	PAOZZ	1370-00309-5028	10001	LD165580	.Signal, Smoke and Illumination (MOD 0 MK13) L275	EA	4
C-1	8	PAOZZ	4240-01-160-5618	62561	8702	.Fire-Starting Tool (Magnesium)	EA	1
C-1	8	PAOZZ	1680-10-233-0661	1HP49	SL3	.Firestarter, Aviation Survival, Spark Lite	EA	1
C-1	9	PCOOO	4610-01-313-6085	OBJ61	MROD-06-LL	.Demineralizer, Reverse Osmosis (Water Purifier, MROD-06)	EA	1
C-1	10	XAOZZ				.Survival Manual (AFM 64-5) or (FM 21-76)	EA	1
C-1	11	PAOZZ	9920-01-154-7199	91349	EE-M-101	.Matches, Non-safety W/Container	EA	1
C-1	12	AOOOO	1680-01-362-6323	81996	1680-ALSE-012	.Fuel Siphon	EA	1
C-1	12	PAOZZ	4720-01-210-0361	61501	AEMO2936	..Siphon Tube, Fuel	FT	6
C-1	12	PAOZZ	5975-00-984-6582	96906	MS3367-1-O	..Tiedown Strap (Cable tie)	EA	2
C-1	12	PAOZZ	4736-01-393-2720	05668	G-06478-73	..Reducer, Tube	EA	2
C-1	13	PAOZZ	7310-00-234-3524	3Z202	FFS-3	.Pocket Stove	EA	1
C-1	14	PAOZZ	9110-00-263-9865	81349	MIL-F-19805	..Fuel, Trioxane: Bar Form	EA	6
C-1	15	PAOOO	6230-00-938-1778	81349	MIL-L-38217	.Light, Marker, Distress	EA	1
C-1	16	PCOZZ	6135-00-073-8939	90303	BA-1574/U4	..Battery for Light, Marker, Distress	EA	3

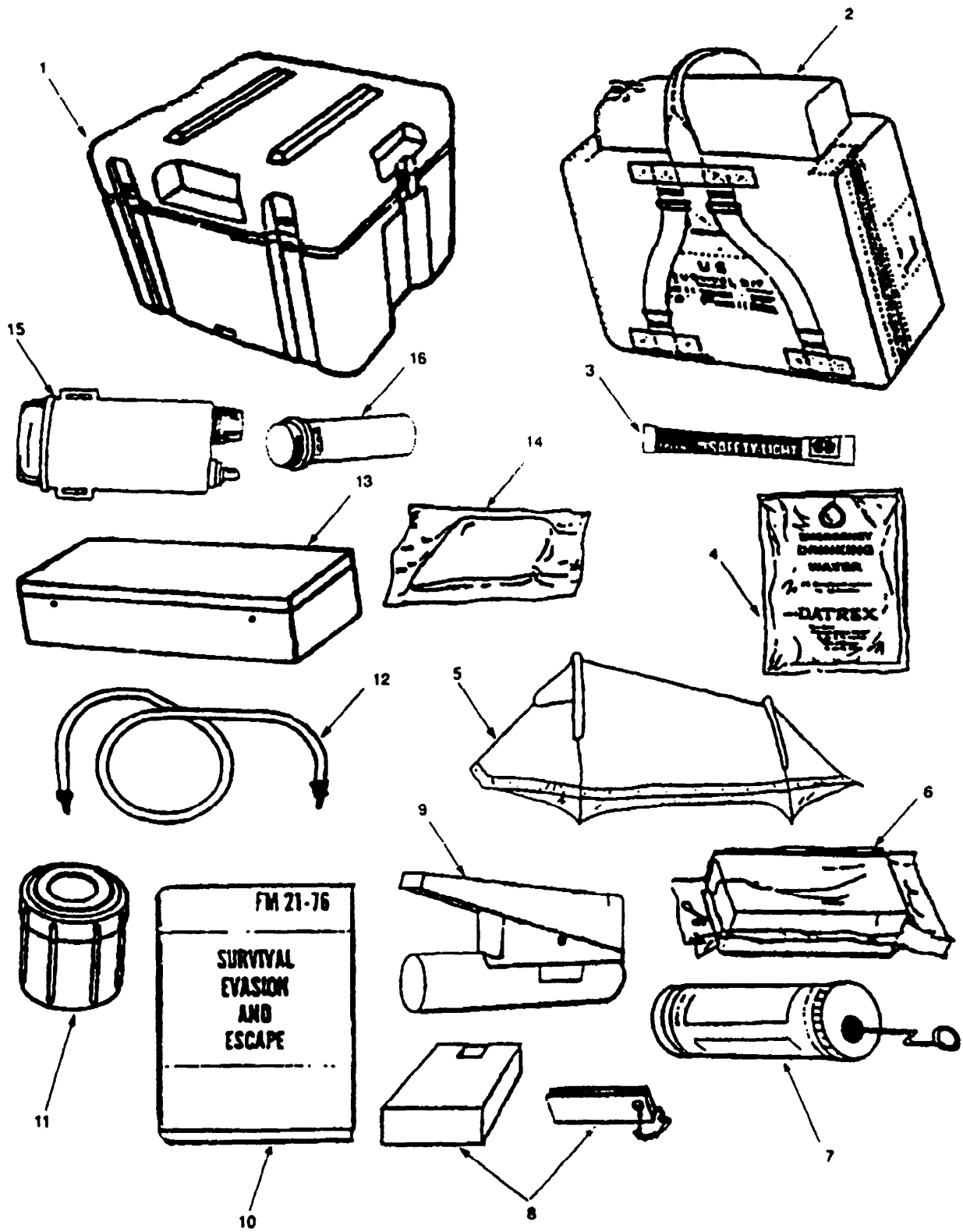


Figure C-2. Three-Crewmember AMSS

SECTION II.

(1) Illustration (a) Fig. No.	(1) Illustration (b) Item No.	(2) SMR CODE	(3) National Stock Number	(4) CAGEC	(5) Part Number	(6) Description Usable on Code	(7) U/M	(8) QtY Inc In Unit
C-2		AOOOO				Three-Crewmember AMSS		
C-2	1	PAOZZ	1680-01-361-4858	11214	AL-1616-0405-9697-800	Container, Survival (Medium)	EA	1
C-2	2	PAOOO	1680-00-082-2512	81349	MIL-C-43647	.Case, individual Survival Kit	EA	V
C-2	2	PAOOO	1680-00-082-2513	81349	MIL-C-43647	.Case, Individual Survival Kit	EA	v
C-2	3	PCOZZ	6260-01-074-4229	83289	95270-53	.Light, Chemical	EA	4
C-2	4	PCOZZ	8960-01-124-4543	81349	MIL-W-44126	.Water, Drinking, Emergency. (4 oz)	PG	36
C-2	5	PAOFF	8340-01-360-4427	6Y333	79905	.Shelter, Half Tent (See Fig C-5, Item 25 for breakdown)	EA	3
C-2	6	PCOZZ	8970-00-082-5665	81349	MIL-F-43231	.Survival Food Packets	PZ	9
C-2	7	PAOZZ	1370-01-030-8330	10001	DL3139734	.Signal, Smoke and Illumination (MK124) L283	EA	4
C-2	7	PAOZZ	1370-00-309-5028	10001	LD165580	.Signal, Smoke and Illumination (MOD 0 MK13) L275	EA	4
C-2	8	PAOZZ	4240-0-160-5618	62561	8702	.Fire-Starting Tool (Magnesium)	EA	1
C-2	8	PAOZZ	1680-01-233-0061	1HP49	SL3	.Firestarter, Aviation Survival, Spark Lite	EA	1
C-2	9	PCOOO	4610-01-313-6085	OBJ61	MROD-O6-LL	Demineralizer, Reverse Osmosis (Water Purifier. MROD-06)	EA	1
C-2	10	XAOZZ				Survival Manual (AFM 64-5) or (FM 21-76)	EA	1
C-2	11	PAOZZ	9920-01-154-7199	91349	EE-M-101	.Matches, Non-safety W/Container	EA	1
C-2	12	AOOOO	1680-01-362-6324	81996	1680-ALSE-013	Fuel Siphon	EA	1
C-2		PAOZZ	4720-01-210-0361	61501	4EM02036	.Siphon Tube, Fuel	FT	6
C-2		PAOZZ	5975-00-984-6582	96906	MS3367-1-0	..Tiedown Strap (Cable tie)	EA	2
C-2		PAOZZ	4730-01-393-2720	05668	3-96478-73	.Reducer, Tube	EA	2
C-2	13	PAOZZ	7310-00-234-3524	3Z202	FFS-3	Pocket Stove	EA	1
C-2	14	PAOZZ	9110-OO-263-9865	81349	MIL-F-10805	.Fuel, Trioxane: Bar Form	EA	6
C-2	15	PAOOO	6230-00-938-1778	81349	MIL-L-38217	Light, Marker, Distress	EA	1
C-2	16	PCOZZ	6135-00-073-8939	90303	BA-1574/U	.Battery for Light, Marker, Distress	EA	3

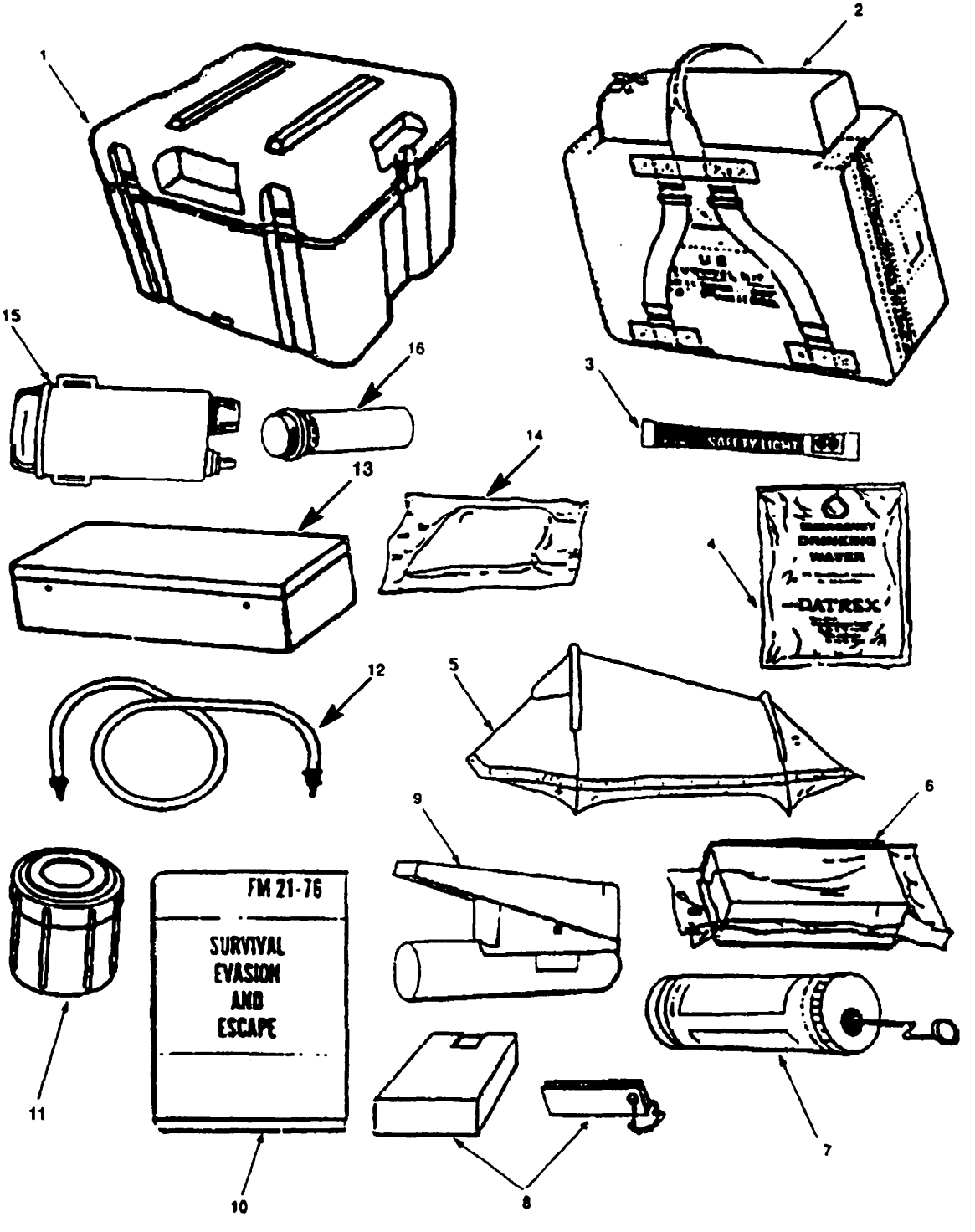


Figure C-3. Four-Crewmember AMSS

SECTION II.

(1) Illustration (a) Fig. No.	(1) Illustration (b) Item No.	(2) SMR CODE	(3) National Stock Number	(4) CAGEC	(5) Part Number	(6) Description Usable on Code	(7) U/M	(8) Qty In Unit
C-3		AOOOO				Four-Crewmember AMSS		
C-3	1	PAOZZ	1680-01-361-4858	11214	AL-1616-0405-9697-800	Container, Survival (Medium)	EA	1
C-3	2	PAOOO	1680-00-082-2512	81349	MIL-C-43647	.Case, Individual Survival Kit	EA	v
C-3	2	PAOOO	1680-00-082-2513	81349	MIL-C-43647	.Case, Individual Survival Kit	EA	v
C-3	3	PCOZZ	6260-01-074-4229	83289	95270-53	.Light, Chemical	EA	4
C-3	4	PCOZZ	8960-01-124-4543	81349	MIL-W-44126	.Water, Drinking, Emergency. (4 oz)	PG	48
C-3	5	PAOFF	8340-01-360-4427	6Y333	79905	.Shelter, Half Tent (See Fig C-5, Item 25 for breakdown)	EA	4
C-3	6	PCOZZ	8970-00-082-5665	81349	MIL-F-43231	.Survival Food Packets	PZ	12
C-3	7	PAOZZ	1370-01-030-8330	10001	DL3139734	Signal, Smoke and Illumination (MK124) L283	EA	4
C-3	7	PAOZZ	1370-00-309-5028	10001	LD165580	Signal, Smoke and Illumination (MOD 0 MK13) L275	EA	4
C-3	8	PAOZZ	4240-01-160-5618	62561	8702	.Fire-Starting Tool (Magnesium)	EA	1
C-3	8	PAOZZ	1680-01-233-0061	1HP49	SL3	.Firestarter, Aviation Survival, Spark Lite	EA	1
C-3	9	PCOOO	4610-01-313-6085	OBJ61	MROD-06-LL	.Demineralber, Reverse Osmosis (Water Purifier. MROD-06)	EA	1
C-3	10	XAOZZ				.Survival Manual (AFM 64-5) or (FM 21-76)	EA	1
C-3	11	PAOZZ	9920-01-154-7199	91349	EE-M-101	.Matches, Non-safety W/Container	EA	1
C-3	12	AOOOO	1680-01-362-6324	81996	1680-ALSE-013	.Fuel Siphon	EA	1
		PAOZZ	4720-01-210-0361	61501	AEM02036	..Siphon Tube, Fuel	FT	6
		PAOZZ	5975-00-984-6582	96906	MS3367-1-0	..Tiedown Strap (Cable tie)	EA	2
		PAOZZ	4730-01-393-2720	05668	G-06478-73	..Reducer, Tube	EA	2
C-3	13	PAOZZ	7310-00-234-3524	32202	FFS-3	.Pocket Stove	EA	1
C-3	14	PAOZZ	9110-00-263-9865	81349	MIL-F-10805	..Fuel, Trioxane: Bar Form	EA	6
C-3	15	PAOOO	6230-00-938-1778	81349	MIL-L-38217	.Light, Marker, Distress	EA	1
C-3	16	PCOZZ	6135-00-073-8939	90303	BA-1574/U	..Battery for Light, Marker, Distress	EA	3

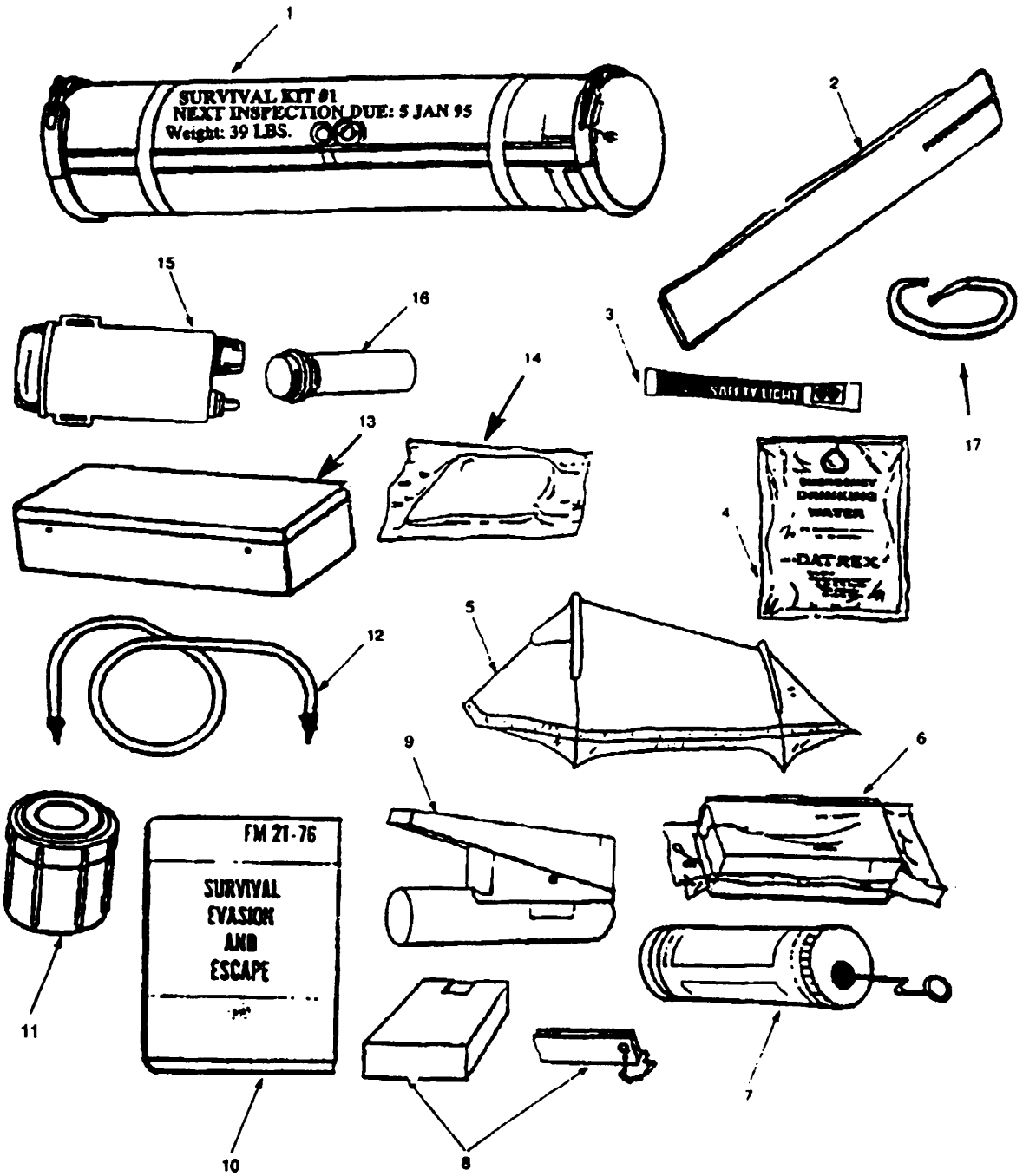


Figure C-4. TOW Tube AMSS

SECTION II.

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	QtY Inc In Unit
C-4		ADOOO	1680-01-362-6325	81996	1680-ALSE-014	AH-1 (TOW Tube Survival Kit)		
C-4	1	MOOO	6920-01-036-0562	18876	10288975	.TOW Tube Case (See App E)	EA	1
C-4	2	PAOOO	4240-01-366-1592	81996	1680-ALSE-O05	.Bag, Rescue Equipment	EA	2
C-4	3	PCOZZ	6260-01-074-4229	83289	95270-53	.Light, Chemical	EA	4
C-4	4	PCOZZ	8960-01-124-4543	81349	MIL-W-44126	.Water, Drinking, Emergency. (4 oz)	PG	24
C-4	5	PAOFF	8340-01-360-4427	6Y333	79905	Shelter, Half Tent (See Fig C-5, Item 25 for breakdown)	EA	2
C-4	6	PCOZZ	8970-00-082-5665	81349	MIL-F-43231	Survival Food Packets	PZ	6
C-4	7	PAOZZ	1370-01-030-8336	10001	DL3139734	Signal, Smoke and Illumination (MK124) L283	EA	4
C-4	7	PAOZZ	1370-00-309-5028	10001	LD165580	.Signal, Smoke and Illumination (MOD 0 MK13) L275	EA	4
C-4	8	PAOZZ	4240-01-160-5618	62561	8702	.Fire-Starting Tool (Magnesium)	EA	1
C-4	8	PAOZZ	1680-01-233-0061	1HP49	SL3	.Firestarter, Aviation Survival, Spark Lite	EA	1
C-4	9	PCOOO	4610-01-313-6085	OBJ61	MROD-O6-LL	Demineralizer, Reverse Osmosis (Water Purifier. MROD-06)	EA	1
C-4	10	XAOZZ				.Survival Manual (AFM 64-5) or (FM 21-76)	EA	1
C-4	11	PAOZZ	9920-01-154-7199	91349	EE-M-101	.Matches, Non-safety W/Container	EA	1
C-4	12	AOOOO				.Fuel Siphon	FT	6
		PAOZZ	4720-01-210-0361	61501	AEMO2036	..Siphon Tube, fuel	EA	1
		PAOZZ	5975-00-984-6582	90696	MS3367-1-0	..Tiedown Strap (Cable tie)	EA	2
		PAOZZ	4730-01-393-2720	05668	G-06478-73	..Reducer, Tube	EA	2
C-4	13	PAOZZ	7310-00-234-3524	3Z202	FFS-3	-Pocket Stove	EA	1
C-4	14	PAOZZ	9110-00-263-9865	81349	MIL-F-10805	..Fuel, Trioxane: Bar Form	EA	6
C-4	15	PAOOO	6230-00-938-1778	81349	MIL-L-38217	.Light, Marker, Distress	EA	1
C-4	16	PCOZZ	6135-00-073-8939	90303	BA-1574/U	..Battery for Light, Marker, Distress	EA	3
C-4	17	PAOZZ	8465-01-322-7433	81349	MIL-S-1478	Snap Link, Mountain	EA	1

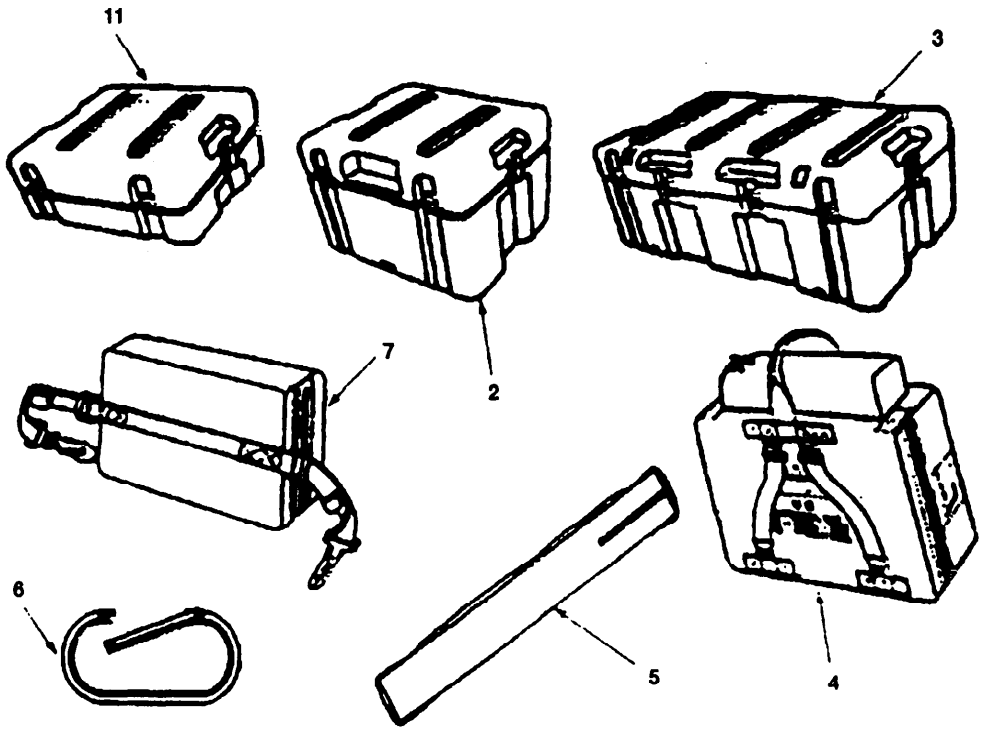


Figure C-5. Approved AMSS Equipment List (1 of 11)

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty Inc In Unit
C-5						Approved AMSS Equipment List		
C-5	1	PAOOO	1680-01-361-4860	11214	AL-1616-0405-9697-700	.Container, Small (2-Man)	EA	
C-5	2	PAOOO	1680-01-361-4558	11214	AL-1616-1204-9697-800	.Container, Medium (3 or 4 Man)	EA	
C-5	3	PAOOO	1680-01-361-4859	11214	AL-3418-1005-9697-900	.Container, Large (Optional)	EA	
C-5	4	PAOOO	1680-00-082-2512	81349	MIL-C-43647	Case, Individual Survival Kit	EA	
C-5	4	PAOOO	1680-00-082-2513	81349	MIL-C-43647	Case, Individual Survival Kit	EA	
C-5	5	PAOOO	4420-01-366-1592	81996	1680-ALSE-005	Bag, Rescue Equipment (Tow Tube)	EA	
C-5	6	PAOZZ	8465-01-322-7433	81349	MIL-S-1478	.Snap Link, Mountain	EA	
C-5	7	PAOOO	1680-00-082-2514	81349	MIL-C-43647	.Case, Individual Survival (Inner Case)	EA	

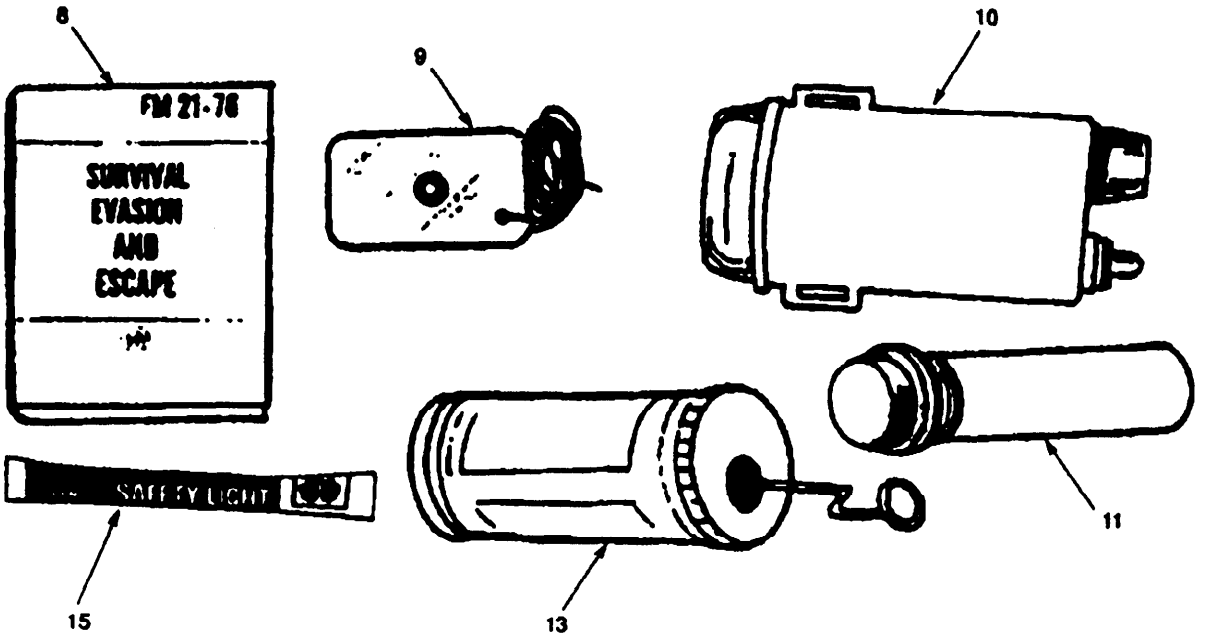


Figure C-5. Approved AMSS Equipment List (2 of 11)

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	QtY Inc In Unit
C-5						Approved AMSS Equipment List (Cont.)		
C-5	8	XAOZZ				.Survival Manual (AFM 64-5) or (FM 21-76)	EA	
C-5	9	PAOZZ	6350-00-261-9772	26126	ESM-2	.Mirror, Emergency Signaling, (Large)	EA	
C-5	9	PAOZZ	6350-00-105-1252	31441	784311-21	.Mirror, Emergency Signaling, (Small)	EA	
C-5	10	PAOZZ	6230-00-938-1778	81349	MIL-L-38217	.Light, Marker, distress	EA	
C-5	11	PCOZZ	6135-00-073-8939	90303	BA-1574/U	..Battery for Light Marker Distress	EA	
C-5	12	PAOZZ	8465-00-254-8803	81349	MIL-W-1053	.Whistle, Ball Plastic (Not Shown)	EA	
C-5	13	PAOZZ	1370-00-309-5028	10001	LD165580	.Signal Smoke and Illumination MOD 0 MK13-L275	EA	
C-5	13	PAOZZ	1370-01-030-8330	10001	DL3139734	.Signal Smoke and Illumination MK 124-L283	EA	
C-5	14	PAOZZ	6230-01-035-6077	18560	ACR/FA-11	.Fltash light (Not Shown)	EA	
C-5	15	PCOZZ	6260-01-074-4229	83289	95270-53	.Light Chemical	EA	

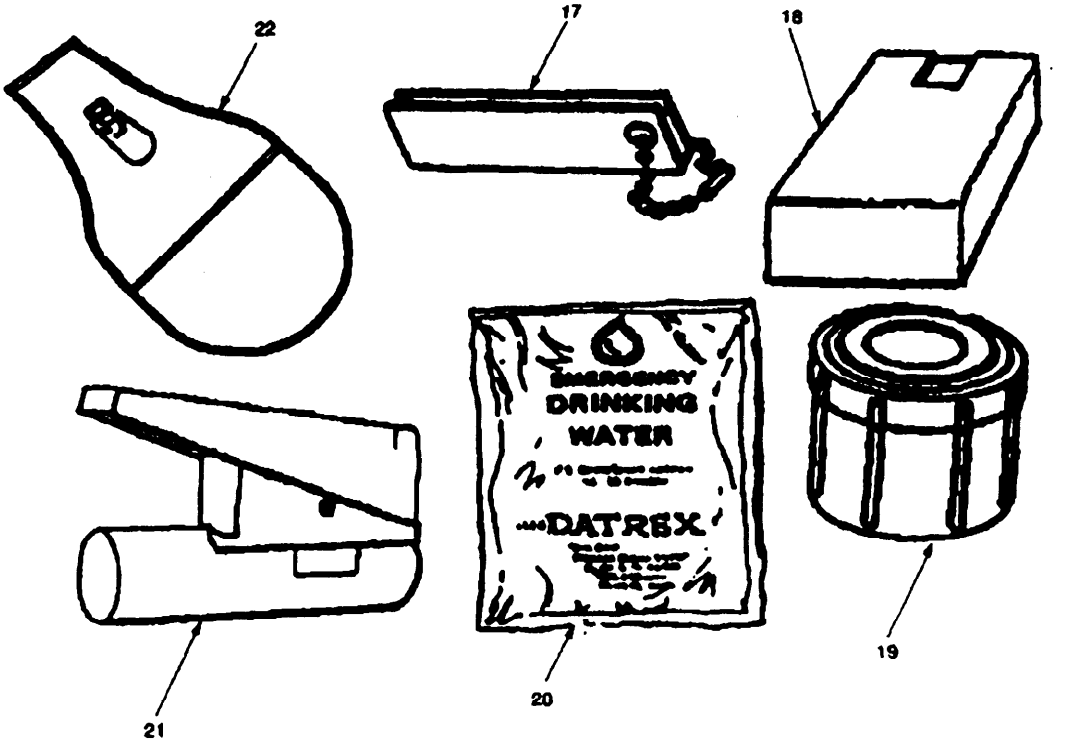


Figure C-5. Approved AMSS Equipment List (3 of 11)

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	03)
(a) Fig. No.	(b) Item No.	SMR CODE	National stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty InC In Unit
C-5						Approved AMSS Equipment List (Cont.)		
C-5	16	PAOZZ	8345-00-140-4232	81349	MIL-P-43743	.Panel Marker (Not Shown)	EA	
C-5	17	PAOZZ	4240-01-160-5618	62561	8702	.Fire Starting Tool Magnesium	EA	
C-5	18	PAOZZ	1680-01-233-0061	1HP49	SL3	.Fire Starter, Aviation Survival, Spark Lite	EA	
C-5	19	PAOZZ	9920-01-154-7199	81348	EE-M-101	.Matches, Non-Safety W/Container	EA	
C-5	20	PCOZZ	8960-01-124-4543	81349	MIL-W-44126	.Water, Drinking Emergency, Packets	PG	
C-5	21	PCOOO	4610-01-313-6085	OBJ61	MROD-O6-LL	.MROD-06 Water Purifier	EA	
C-5	22	PCOZZ	8465-00-485-3034	81349	MIL-B-8571	Bag, Water Storage (10 pint)	EA	
C-5	23	PCOZZ	8465-00-634-4499	81349	MIL-B-8571	.Bag, Water Storage (3 pint) (Not Shown)	EA	
C-5	24	PAOZZ	4726-00-141-9680	81348	ZZ-T-831	.Tubing, Nonmetallic Latex (Solar Still) (Not Shown)	FT	

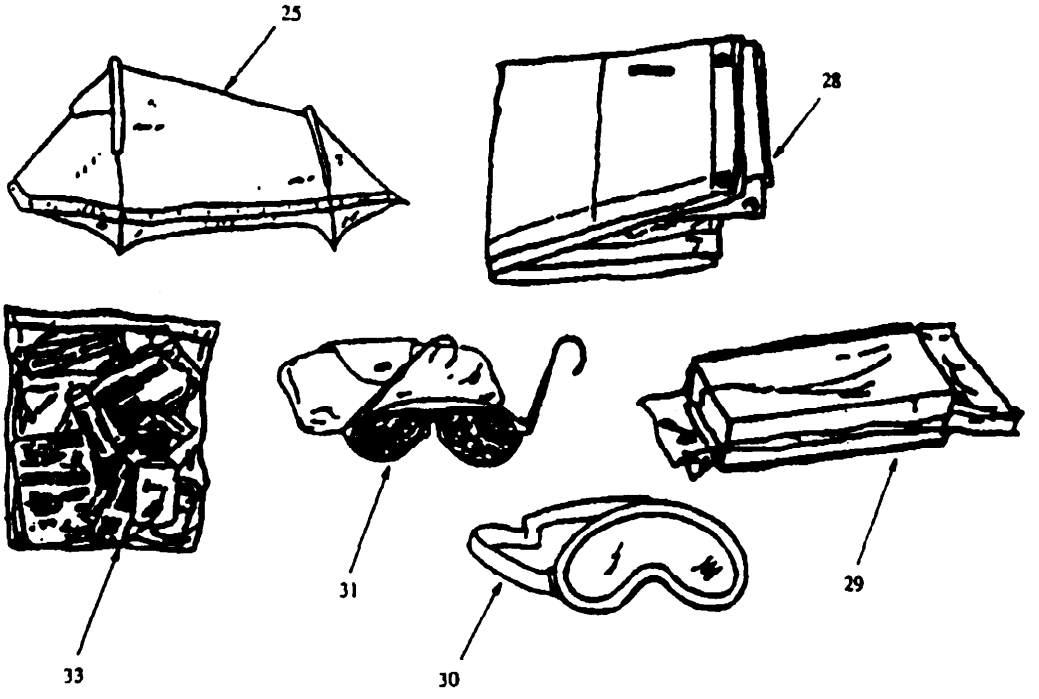


Figure C-5. Approved AMSS Equipment List (4 of 11)

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty Inc In Unit
C-5						Approved AMSS Equipment List (Cont.)		
C-5	25	PAOFF	8340-01-360-4427	6Y333	79905	.Tent	EA	
C-5	25A	XDOZZ		6Y333	69000	..Net, Mosquito, Polyster (Not Shown)	EA	
C-5	25B	XDOZZ		6Y333	39003	..Pole, Mosquito, (Not Shown)	EA	
C-5	25C	XDOZZ		6Y333	39002	..Pole, Three Pole Assy (Not Shown)	EA	
C-5	25C	XDOZZ		6Y333	39001	..Pole, Five Pole Assy (Not Shown)	EA	
C-5	26	PFOZZ	8415-01-416-6216	6Y333	94101-1L	..Tent Liner/Sleeping Bag (+40 F)	EA	
C-5	26	PFOZZ		6Y333	94101-2L	..Tent Liner/Sleeping Bag (+20 F)	EA	
C-5	26	PFOZZ	8415-01-417-4001	6Y333	94101-3L	..Tent Liner/Steeping Bag (0 F)	EA	
C-5	26	PFOZZ		6Y333	94101-4L	..Tent Liner/Sleeping Bag (+20 F)	EA	
C-5	27	PAOFF	8340-00-485-3012	81349	MIL-T-7249	.Tarpaulin (Not Shown)	EA	
C-5	28	PCOOO	8405-01-100-0976	81349	MIL-P-43700	.Poncho, Wet Weather	EA	
C-5	29	PCOZZ	8970-00-082-5665	81349	MIL-F-43231	.Food Packets, Survival	PZ	
C-5	30	PAOZZ	8465-01-328-8268	81349	MIL-G-43914	.Goggles, Sun, Wind, and Dust	EA	
C-5	31	PAOZZ	8465-00-161-9415	81349	MIL-S-475	Sun Glasses	EA	
C-5	32	PCOZZ	6545-01-120-2632	89875	1-653	.First Aid Kit (Not Shown)	EA	
C-5	33	PCOZZ	6545-01-094-8412	89875	0-120	.First Aid Kit, Individual	EA	

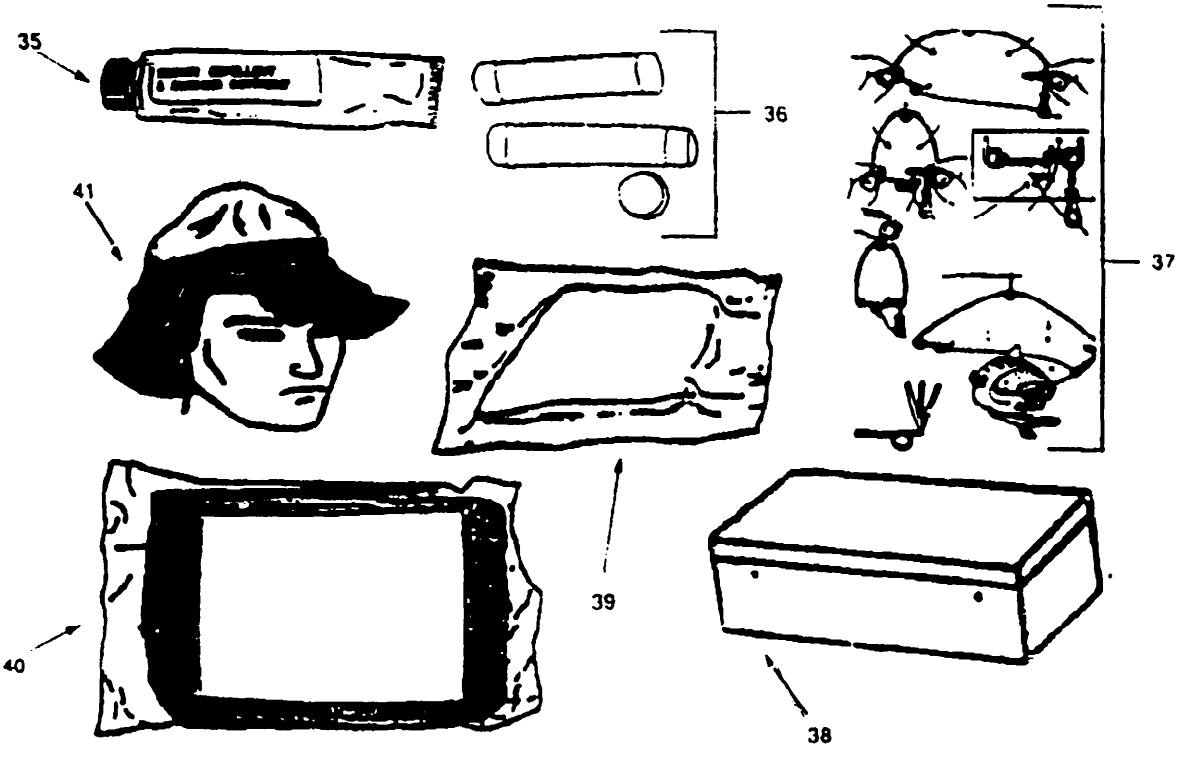


Figure C-5. Approved AMSS Equipment List (5 of 11)

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty In Unit
C-5						Approved AMSS Equipment List (Cont.)		
C-5	34	PAOZZ	6505-01-037-8636	13811	NDC 72-5400-04	.Sunscreen Preparation (Not Shown)	BT	
C-5	35	PAOZZ	6505-01-121-2336	17632	NDC 00043-0739-14	.Insect Repellent	TU	
C-5	35	PAOZZ	6840-00-142-8965	62801	53649	.Insect Repellent	TU	
C-5	36	PAOZZ	6850-00-161-6262	81349	MIL-P-2018	Camouflage Stick (Light Green)	PG	
C-5	36	PAOZZ	6850-00-161-6203	81349	MIL-P-2018	.Camouflage Stick (Sand White and Loam)	PG	
C-5	37	PAOZZ	4220-01-379-5598	OVMU5	7188	Speedhook, Snare	EA	
C-5	38	PAOZZ	7310-00-234-3524	3Z202	FFS-3	.Pocket Stove w/2 Hrs Trioxane Fuel	EA	
C-5	39	PCOZZ	9110-00-263-9865	81349	MIL-F-10805	..Fuel, Compressed, Trioxane	EA	
C-5	40	PAOZZ	7210-00-935-6667	81349	MIL-B-36964	.Blanket Lightweight (Orange Color)	EA	
C-5	40	PAOZZ	7210-00-935-6666	81349	MIL-B-36964	.Blanket Lightweight (O.D. Color)	EA	
C-5	40	PAOZZ	7210-00-935-6665	81349	MIL-B-36964	.Blanket Lightweight	EA	
C-5	41	PAOZZ	8415-00-270-0229	81349	MIL-H-43371	.Hat, Reversible, Sun	EA	

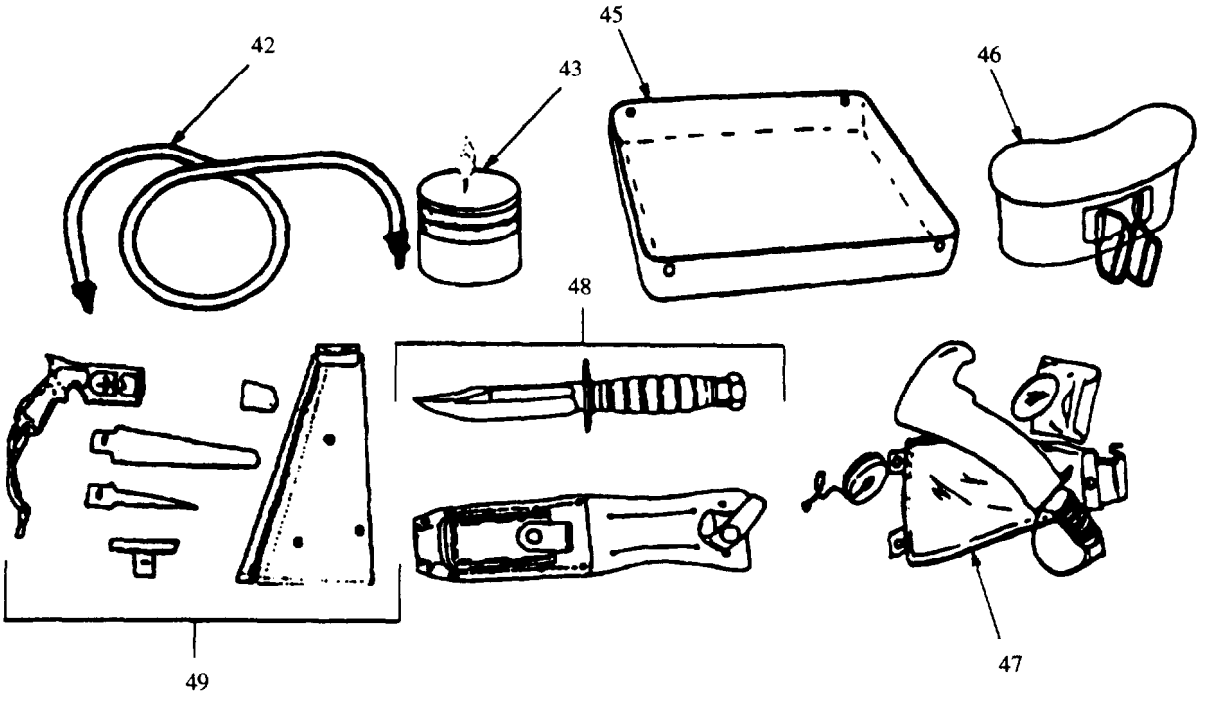


Figure C-5. Approved AMSS Equipment List

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty Inc In Unit
C-5						Approved AMSS Equipment List (Cont.)		
C-5	42	AOOOO				.Fuel Siphon	EA	1
		PAOZZ	4720-01-210-0361	61501	AEM02036	..Siphon Tube Fuel	FT	6
		PAOZZ	5975-00-984-6582	96906	MS3367-1-0	..Tiedown Strap (Cable Tie)	EA	2
		PAOZZ	4730-01-393-2720	05668	G-06478-73	..Reducer, Tube	EA	2
C-5	43	PAOZZ	6260-00-840-5578	81349	MIL-C-25539	.Candle, Illuminating	EA	
C-5	44	PAOZZ	9535-00-752-9061	81348	QQ-A-1876	.Aluminum Foil (Not Shown)	FT	
C-5	45	PAOZZ	7330-00-082-2398	81337	11-1-311	.Pan, Frying	EA	
C-5	46	PAOZZ	8465-00-165-6838	81349	MIL-C-43761	.Cup, Water, Canteen	EA	
C-5	47	PAOZZ	8465-00-973-4807	81337	LP/P DES 76-64	.Tool Kit, Survival	EA	
C-5	48	PAOZZ	7340-00-098-4327	81349	MIL-K-8662	.Knife, Hunting, Sheath	EA	
C-5	49	PAOZZ	5110-00-568-0409	80049	5lC3507	.Saw-Knife Assembly	EA	

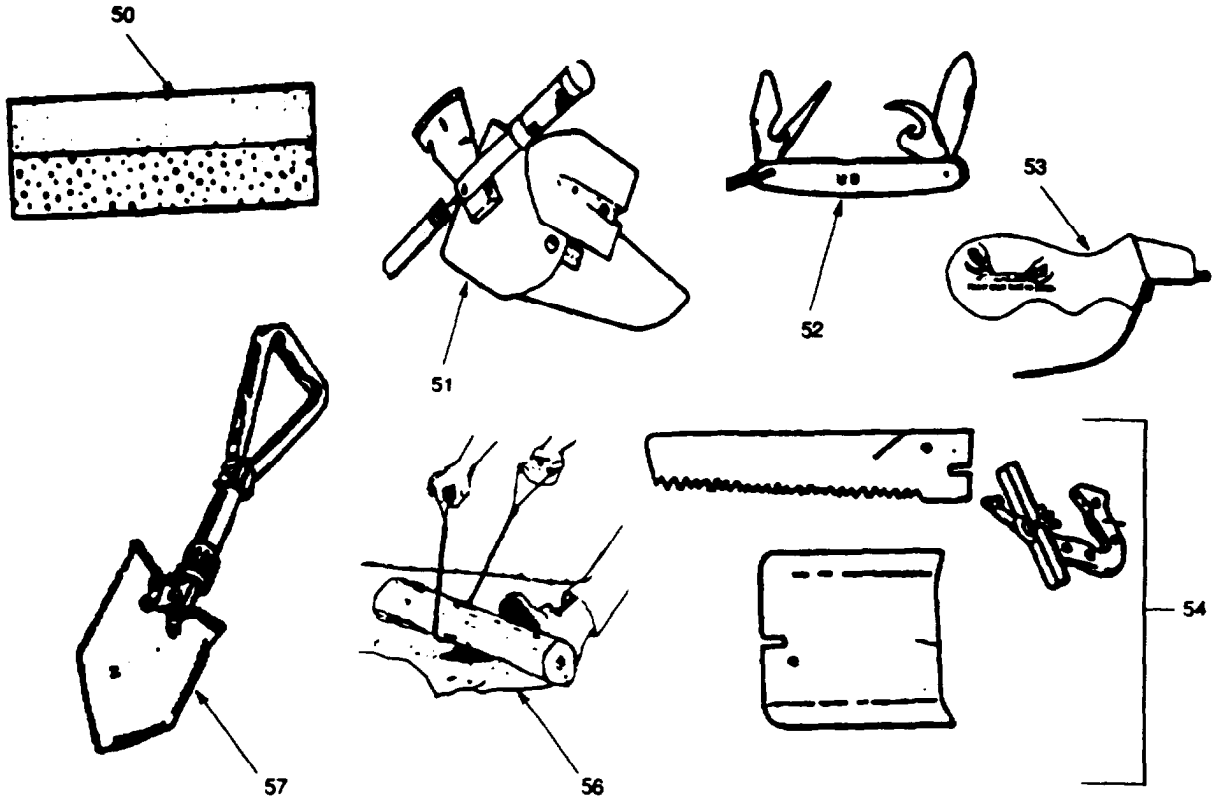


Figure C-5. Approved AMSS Equipment List (7 of 11)

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty In Unit
C-5						Approved AMSS Equipment List (Cont.)		
C-5	50	PAOZZ	5340-00-985-6921	81348	SSS736	. Stone, Sharpening	EA	
C-S	51	PAOZZ	5180-00-065-6713	07878	62D4406	. Survival Tool Kit, Pioneer	EA	
C-5	52	PAOZZ	5110-00-162-2205	81349	MIL-K-818C	. Knife, Pocket	EA	
C-5	53	PAOZZ	5345-01-214-1050	62444	SSA8	. Sharpener. General Purpose	EA	
C-5	54	PAOZZ	5110-00-733-7129	80049	60C90302	. Saw-Knife-Shovel Assembly	EA	
C-5	55	PAOZZ	5110-00-570-6896	81349	MIL-S-9964	. Saw, Hand, Finger Grip (Not Shown)	EA	
C-5	56	PAOZZ	5110-359-2115	OK8Rl	SC103	. SAW, Hand. Finger Grip	EA	
C-5	57	PAOZZ	5120-00-878-5932	81349	MIL-I-43684	. Entrenching Tool	EA	

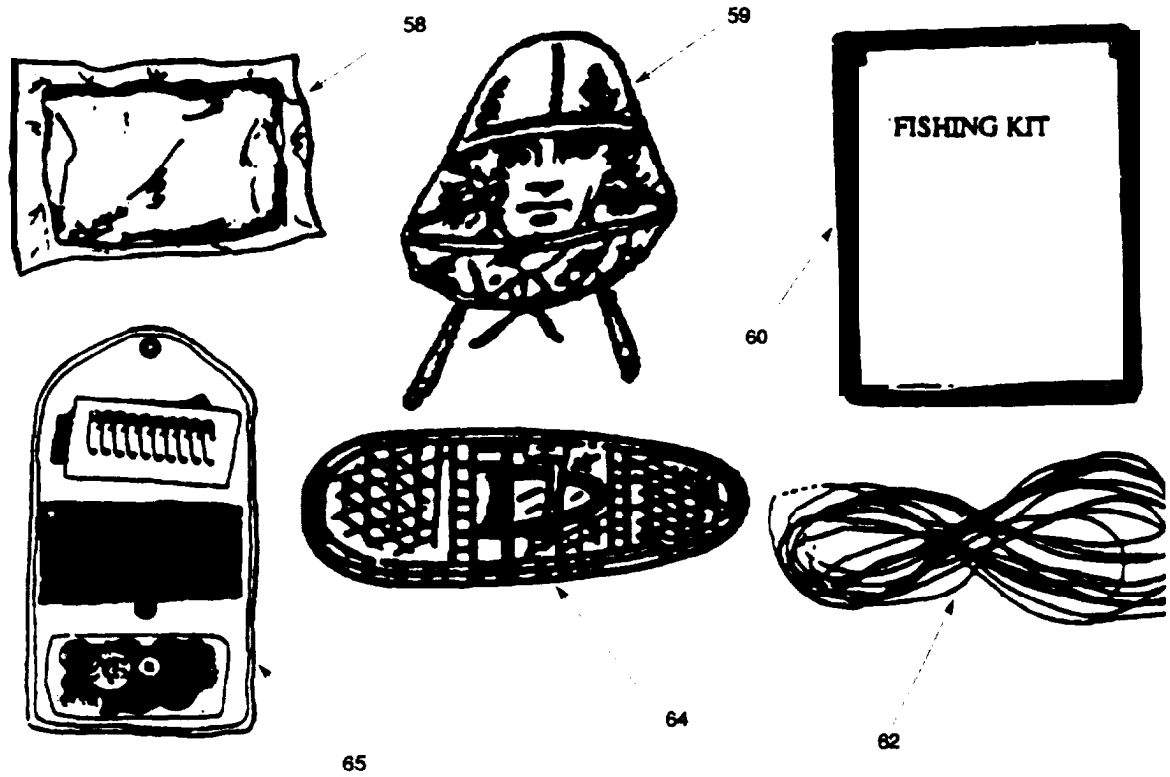


Figure C-5. Approved AMSS Equipment List (8 of 11)

(1) Illustration		(2)	(3)	(4)	(5)	(5)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty In Unit
C-5						Approved AMSS Equipment List (Cont.)		
C-5	58	PAOZZ	8465-01-131-7921	81349	MIL-S-44220	. Sleeping Bag	EA	
C-5	59	PAOZZ	8415-00-935-3130	81349	MIL-I-11489	. Insect Net, Head	EA	
C-S	60	PAOZZ	4220-00-244-0764	81349	MIL-F-6218	. Fishing Kit. Emergency	EA	
C-5	61	PAOZZ	8465-00-300-2138	98752	67F45692	. Net, Multi-Purpose (Fishing Gill Net) (Not Shown)	EA	
C-5	62	PAOZZ	9525-00-596-3498	81348	QQW321	. Wire, Non Electrical (Snare Wire)	FT	
C-5	63	PAOZZ	6605-00-515-5637	61349	AW2C1	. MC-1 Magnetic Compass (Not Shown)	EA	
C-5	64	PAOZZ	8465-00-965-2174	81349	MIL-S-43272	. Snow Shoes, Trail Type	PR	
C-5	65	PAOZZ	8315-01-2220679	81349	MIL-S-3276	. Sewing Kit	EA	
C-5	65	PAOZZ	8315-01-2220680	81349	MIL-S-3276	. Sewing Kit	EA	

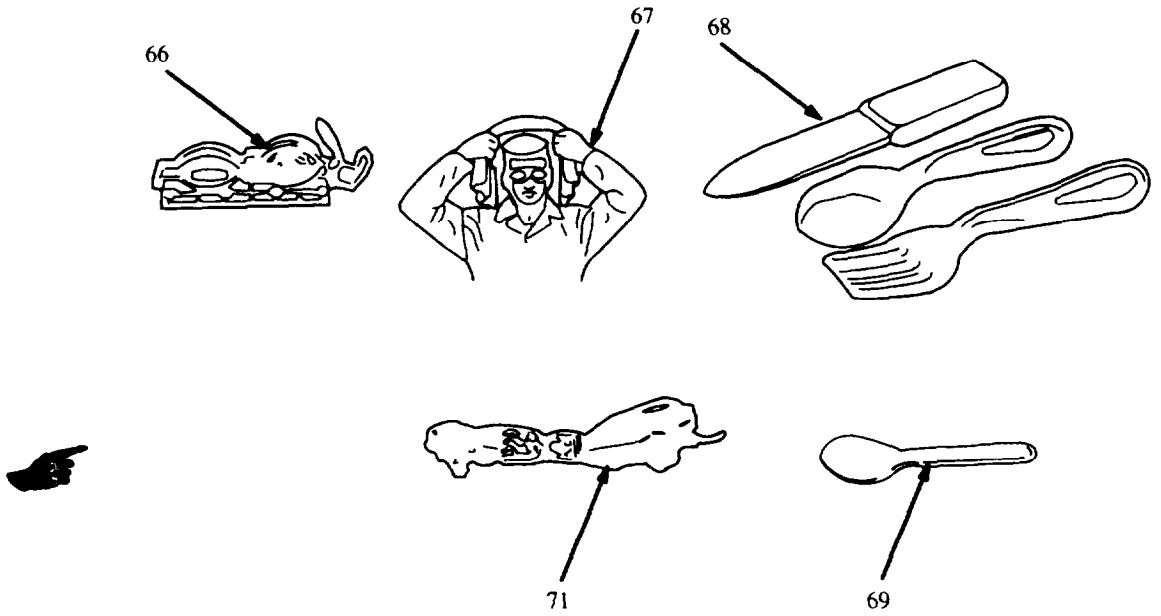


Figure C-5. Approved AMSS Equipment List (9 of 11)

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty Inc In Unit
C-5						Approved AMSS Equipment List (Cont.)		
C-5	66	PAOZZ	6605-01- 196-6971	9064D	S&Y 183	Compass, Lensatic	EA	
	67	PAOZZ	7210-01-286-0983	81349	DDD-T-551	Towel, Bath (Terry Cloth 20 x 40 in.)	EA	
	68	PAOZZ	7340-00-243-5390	81349	MIL-F-284	Spoon, Field Mess	EA	
	68	PAOZZ	7340-00-243-539 1	81349	MIL-F-284	Fork, Field Mess	EA	
C-5	68	PAOZZ	7340-00-240-7436	81349	MIL-F-284	Knife, Field Mess	EA	
C-5	69	PAOZZ	7340-00-1 70-8374	81349	L-F-560	Spoon, Plastic, Picnic	EA	
C-5	70	PAOZZ	8415-01-280-3098	81349	MIL-C-44358	Cover, Individual, Camouflage Net, Woodland (Not Shown)	YD	
C-5	70	PAOZZ	8415-01-280-5234	81349	MIL-C-44358	Cover, Individual, Camouflage Net, Snow (Not Shown)	YD	
C-5	70	PAOZZ	8415-01-282-3160	81349	MIL-C-44358	Cover, Individual, Camouflage Net, Desert (Not Shown)	YD	
C-5	71	PAOZZ	4020-00-903-8594	81349	MIL-C-7515	Cord, Nylon (300 lb. Breaking Strength)	FT	
C-5	71	PAOZZ	4020-00-935-5761	81349	MIL-C-5040	.Cord, Nylon (100 lb. Breaking Strength)	FT	
C-5	72	PCOZZ	8305-01-115-9168	81349	MIL-C-7020	.Cloth Parachute (Not Shown)	FT	
C-5	72	PCOZZ	8305-01- 189-7066	81349	MIL-C-7020F	.Cloth Parachute (Not Shown)	FT	
C-5	72	PCOZZ	8305-01-202-5842	81349	MIL-C-7020	.Cloth Parachute (Not Shown)	FT	
C-5	73	PCOZZ	1670-00-401-5560	98750	68D37721	.Parachute Snap Adjustable (Not Shown)	EA	
C-5	73	PCOZZ	5340-00-875-1861	96096	MS22018	.Tie-Down (Parachute Quick Release Snaps) Adjustable (Not Shown)	EA	

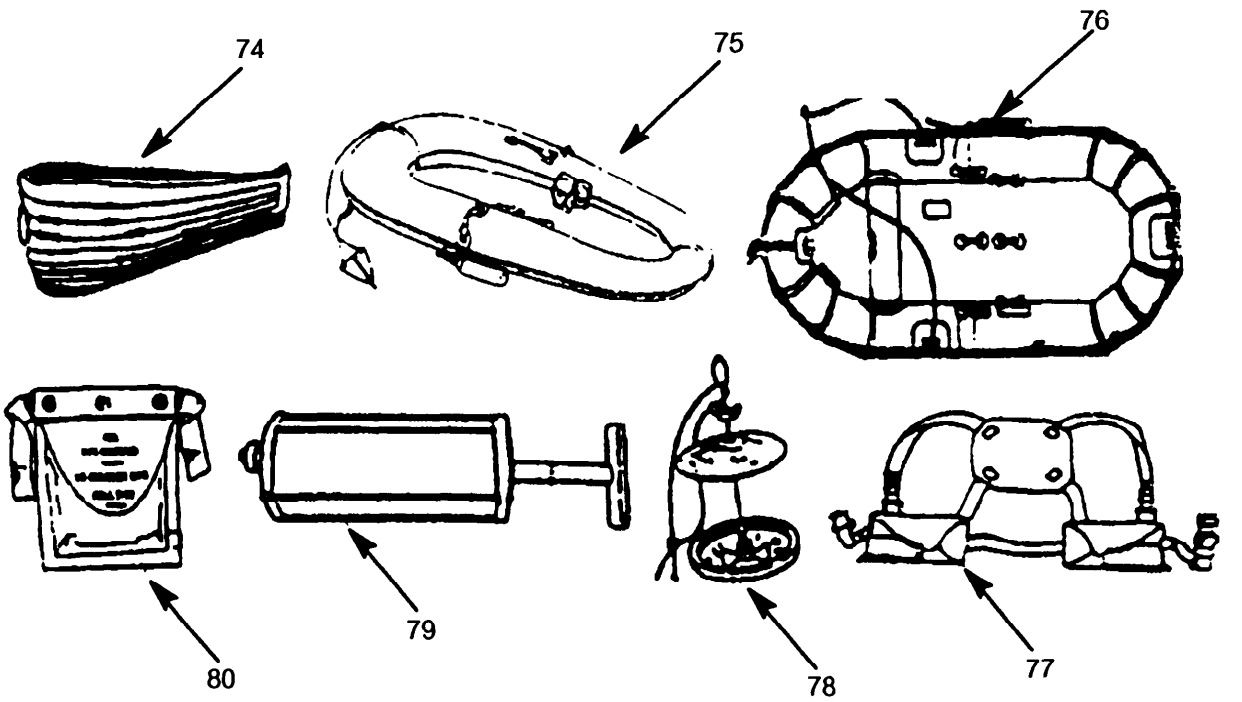


Figure C-5. Approved AMSS Equipment List (10 of 11)

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty Inc In Unit
C-5						Approved AMSS Equipment List (Cont.)		
C-5	74					Deleted		
C-5	75	PAOOO	4220-01-056-8667	81349	MIL-L-83491	.Life Raft, Infltatable LRU-17/P	EA	
C-5	76	PAOOO	4220-06071-1889	81349	MIL-L-5567	.LRU-1/P Multi-place Life Raft	EA	
C-5	76	PAOOO	4220-01-074-3408	81349	62A82H2-101	.LRU13/A Multi-place Life Raft (7 Man Raft) (Not Shown)	EA	
C-5	77	PAOOO	4226-00-850-8655	81349	MIL-L-38484	.LPU-10/P Under Arm Life Preserver	EA	
C-5	78	PAOZZ	4220-00-763-3766	98752	67C46306-10	.Repair Kit, Inflatable Raft	EA	
C-5	79	PAOZZ	4320-00-0979-4580	81349	MIL-P-8258	.Pump, Inflating, Manual	EA	
C-5	80	PCOZZ	6580-00-270-9986	81349	MIL-S-17980	.Sea Marker, Fluorescein	EA	
C-5	81	PAOZZ	2040-00-485-3018	80049	45D18813	.Paddle, Boat (Not Shown)	EA	

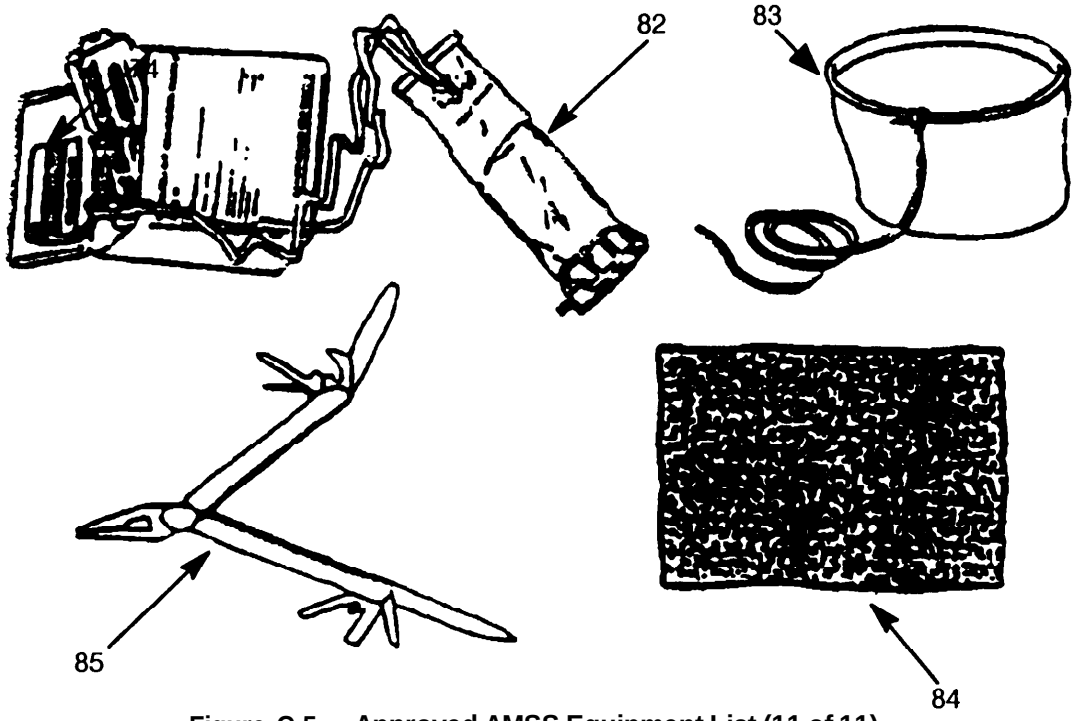


Figure C-5. Approved AMSS Equipment List (11 of 11)

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty Inc In Unit
C-5						Approved AMSS Equipment List (Cont.)		
C-5	82	PAOZZ	4610-00-372-0592	81349	MIL-D-5531E	Desalter Kit, Seawater	KT	
C-5	83	PAOZZ	2090-00-277-6583	80049	59C3778	Bailer, Boat	EA	
C-5	84	PAOZZ	7920-00-240-2555	81348	L-S-626	Sponge, Cellulose, Type 2, Class 2 Size 3	EA	
C-5	84	PAOZZ	7920-00-240-2559	81348	L-S-626	Sponge, Cellulose	EA	
C-5	85	PAOZZ	5110-01-321-8805	OCADI	TSB100A	.Knife, Pocket (Leatherman Tool subdued)	EA	
C-5	85	PAOZZ	5110-01-279-9332	OCADI	TSS100A	.Knife, Pocket (Leatherman Tool S.S.)	EA	
C-5	86	PAOZZ	5340-01-029-9084	13435	13018	.Strap 15" (Tie-Down for Bay Area))Not Shown)	EA	
C-5	86	PAOZZ	5340-01-231-6015	60648	2025	.Strap 21" (Tie-Down for Bay Area))Not Shown)	EA	
C-5	86	PAOZZ	5340-01-029-9085	13435	13034	.Strap 31" (Tie-Down for Bay Area) (Not shown)	EA	
C-5	87	PAOZZ	8340-00-261-9749	81349	MIL-P-501	.Pin Tent, 9", Alum	EA	
C-5	88	PAOZZ	8340-00-823-7451	81349	MIL-P-501	.Pin Tent, 12" , Steel	EA	
C-5	89	PAOZZ	5110-00-024-9681	81348	GGG-M-45	.Machete (Not Shown)	EA	
C-5	90	PAOZZ	8465-00-257-4321	81349	MIL-R-41819	.Sheath, Machete (Not Shown)	EA	
C-5	91	PAOZZ	5110-01-346-5339	ORAU7	07500G	Knife, Pocket	EA	
C-5	92	PAOZZ	5110-01-346-5341	ORAU7	07520G	Knife, Pocket	EA	

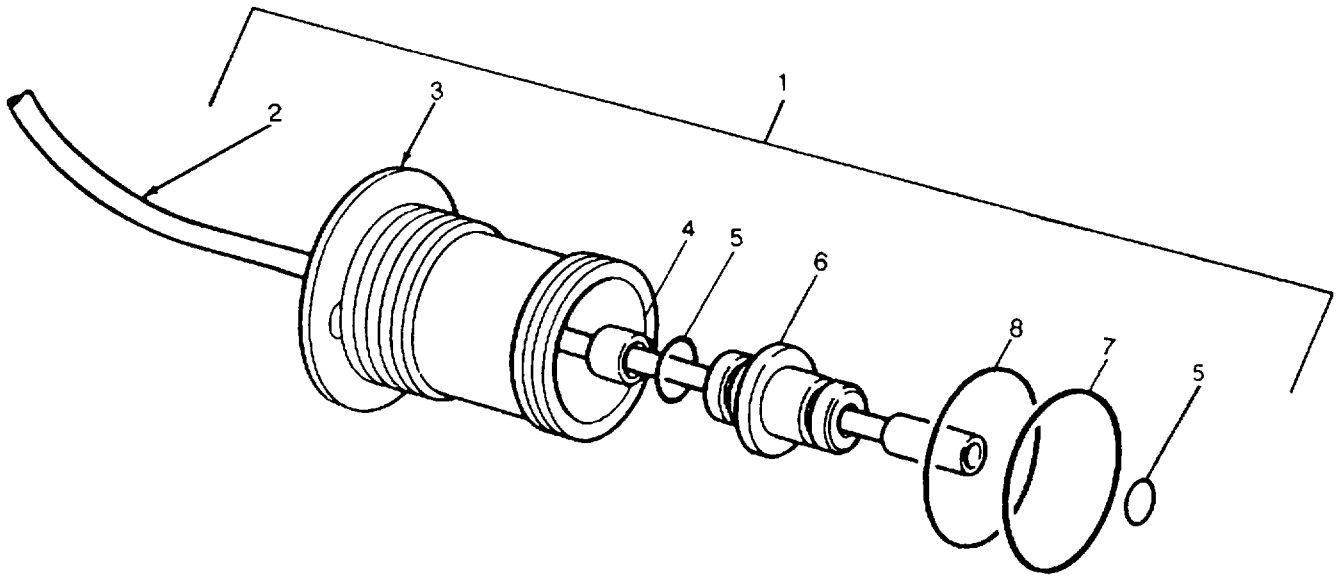


Figure C-6. MROD Assembly (Sheet 1 of 8)

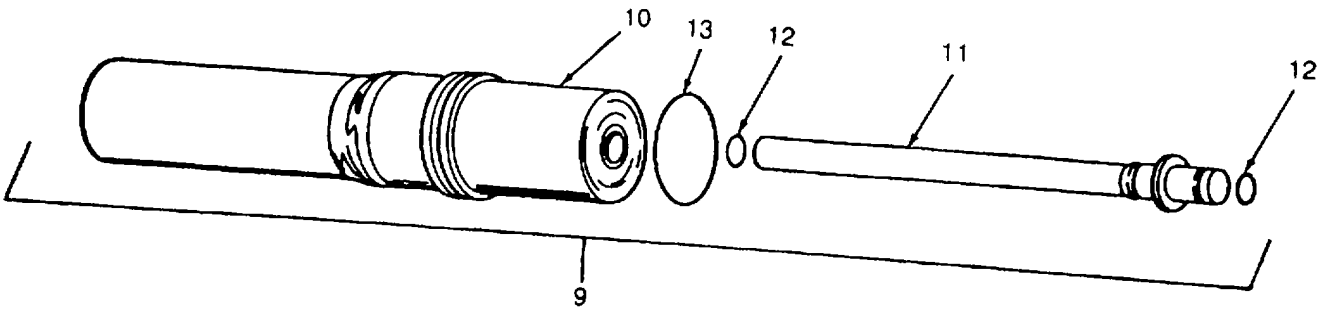


Figure C-6. MROD Assembly (Sheet 2 of 8)

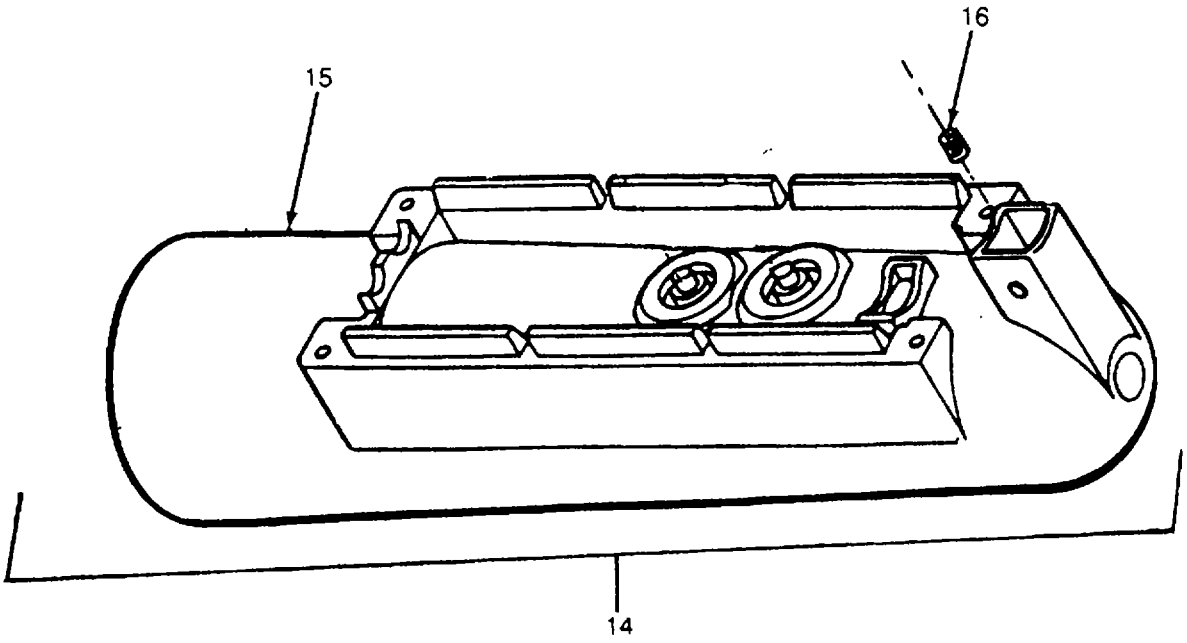


Figure C-6. MROD Assembly (Sheet 3 of 8)

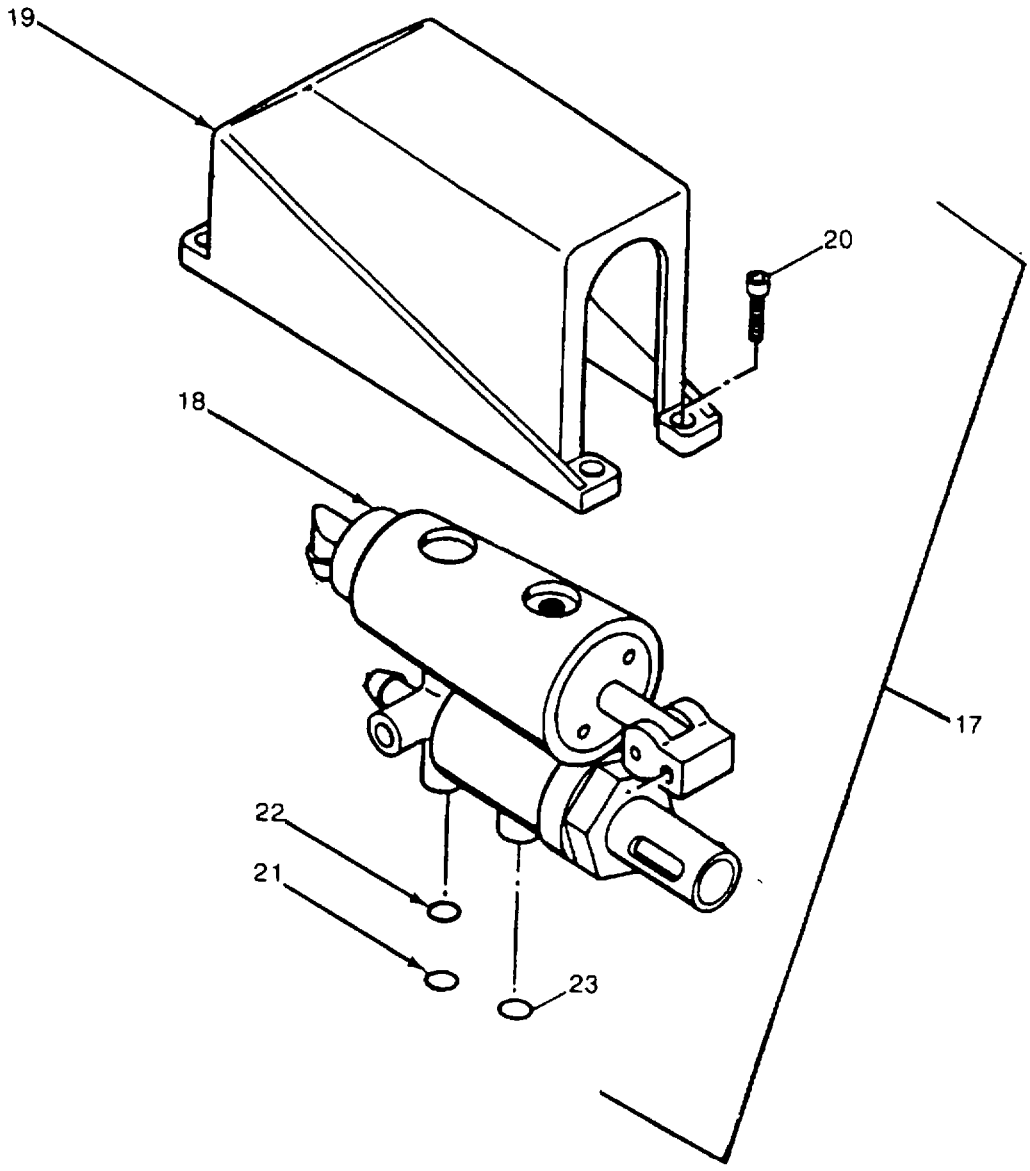


Figure C-6. MROD Assembly (Sheet 4 of 8)

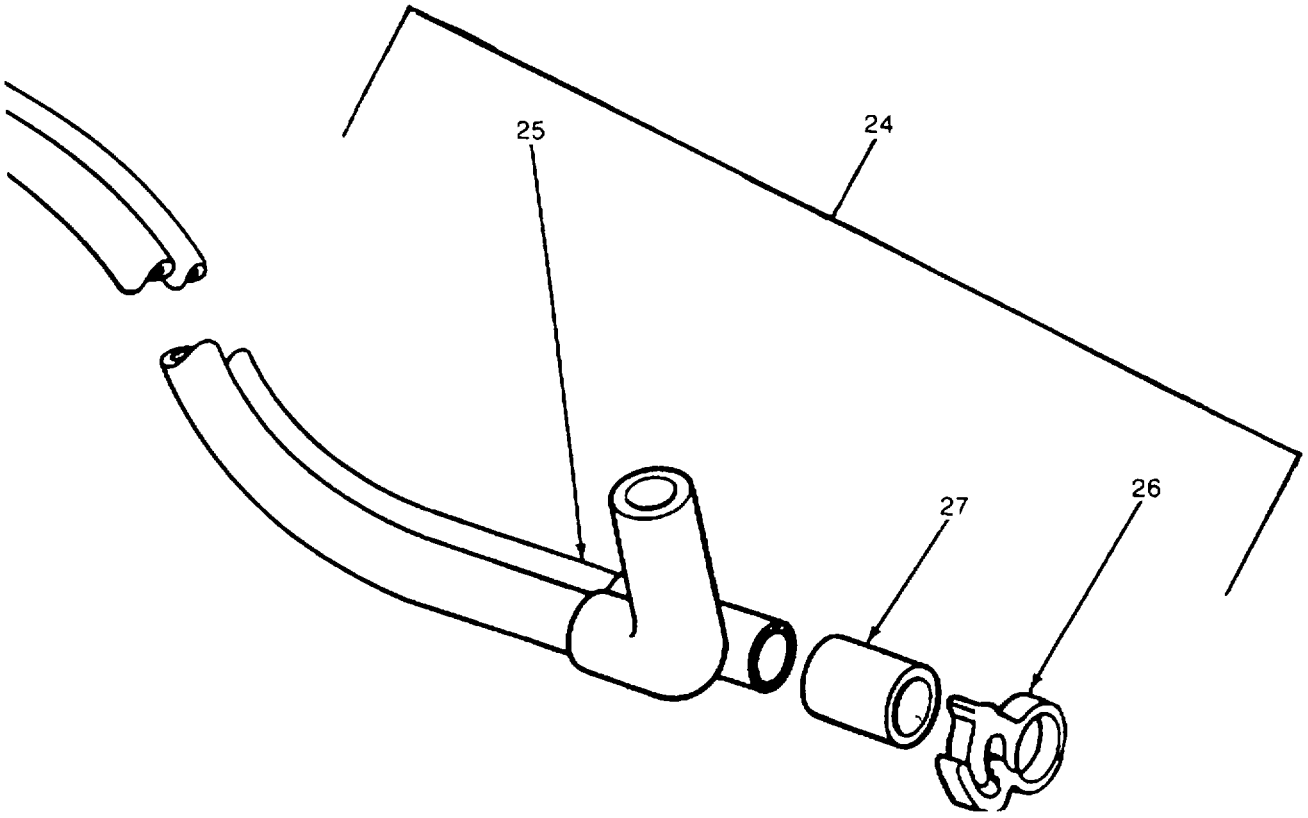


Figure C-6. MROD Assembly (Sheet 5 of 8)

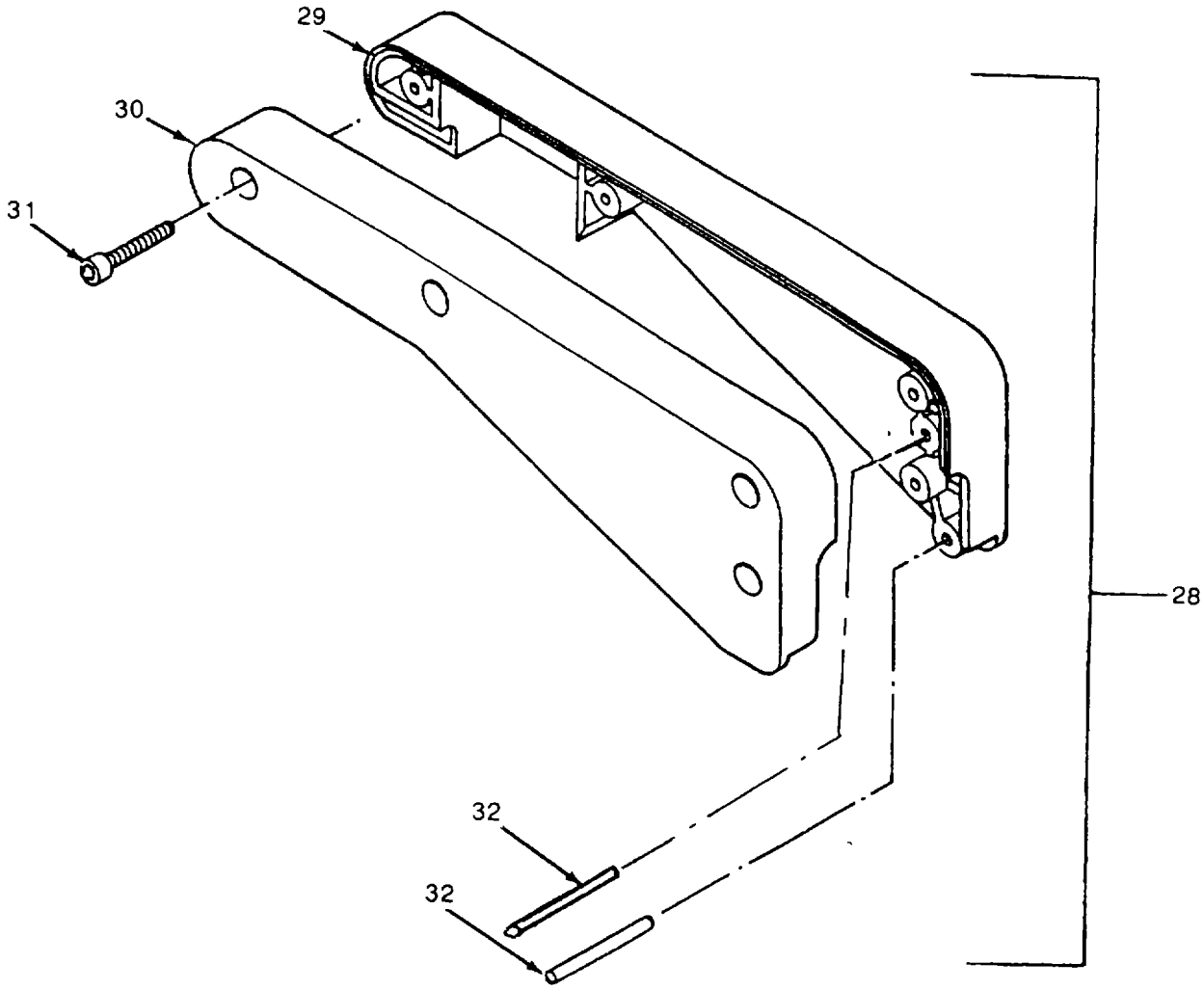


Figure C-6. MROD Assembly (Sheet 6 of 8)

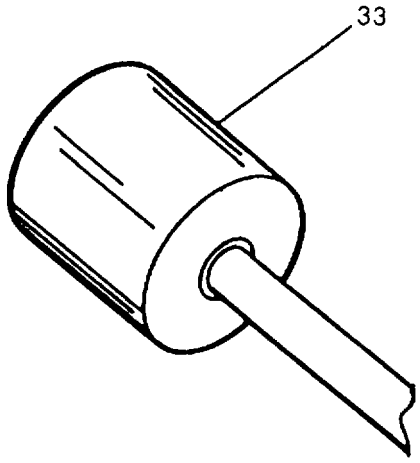


Figure C-6. MROD Assembly (Sheet 7 of 8)

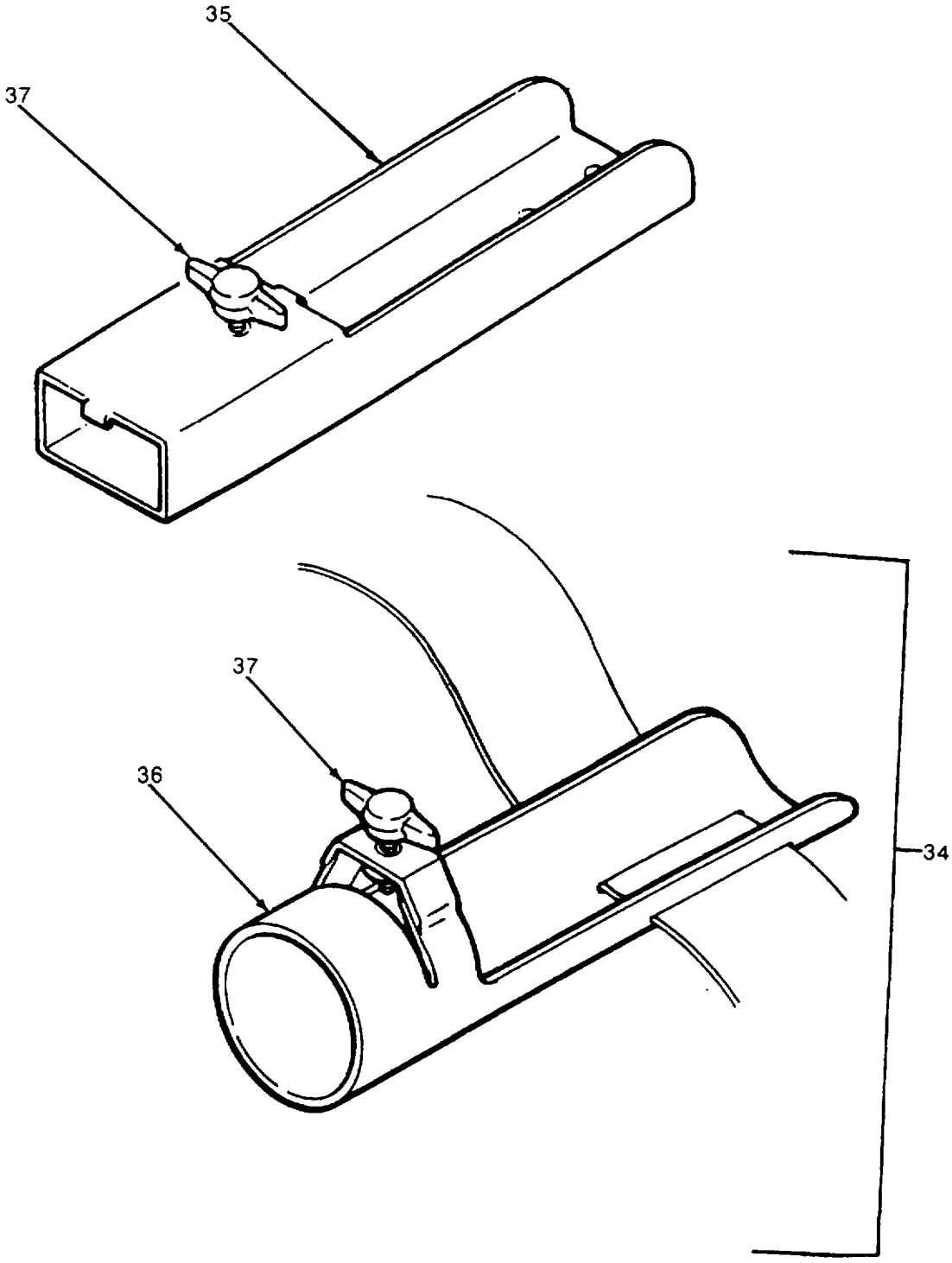


Figure C-6. MROD Assembly (Sheet 8 of 8)

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) tern No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty Inc In Unit
C-6		PCOOO	4610-01-313-6085	OBJ61	MROD-06-LL	Mechanical Reverse OSMOSIS Device-06 Water Purifier	EA	1
C-6	1	XBOOO		OBJ61	HP3-068-0300	. End Plug Assy	EA	1
C-6	2	XBOZZ		OBJ61	HP- 112-03	.. Tube, Product	EA	1
C-6	3	XBOZZ		OBJ61	HP3-068-1201	. Plug, Membrane Housing End	EA	1
C-6	4	XBOZZ		OBJ61	HP3-069-1003	. Retainer. Hose	EA	1
C-6	5	XBOZZ		OBJ61	HP3-095	.. O-Ring, Product Tube	EA	2
C-6	6	XBOZZ		OBJ61	HP3-040-8900	.. Barb Product	EA	1
C-6	7	XBOZZ		OBJ61	HP3-071-2101	.. O-Ring, Membrane Housing	EA	1
C-6	8	XBOZZ		OBJ61	HP3-072-2150	.. O-Ring, Backup	EA	1
C-6	9	XBOOO		OBJ61	HP3-007-0300	. Membrane Module	EA	1
C-6	10	XBOZZ		OBJ61	HP3-007	.. Membrane Element	EA	1
C-6	11	XBOZZ		OBJ61	HP3-042-8900	.. Plug, Product	EA	1
C-6	12	XBOZZ		OBJ61	HP3-095	.. O-Ring, Product Tube	EA	2
C-6	13	XBOZZ		OBJ61	HP3-038-2101	.. O-Ring, Brine Seal	EA	1
C-6	14	XBOOO		OBJ61	HP3-002-1201	. Housing, Membrane	EA	1
C-6	15	XBOZZ		OBJ61	HP3-002-0301	.. Housing	EA	1
C-6	16	XBOZZ		OBJ61	HP3-085-2000	.. Speed, Cret	EA	1
C-6	17	XBOOO		OBJ61	HP3-003-0301	Pump Body Module	EA	1
C-6	18	XBOZZ		OBJ61	HP3-020-12	.. Body Pump	EA	1
C-6	19	XBOZZ		OBJ61	HP3-003-2302	.. Cover, Pump Body	EA	1
C-6	20	XBOZZ		OBJ61	HP3-052-2001	.. Screw, Cover	EA	4

(1) Illustration (a) Fig. No.	(1) Illustration (b) Item No.	(2) SMR CODE	(3) National Stock Number	(4) CAGEC	(5) Part Number	(6) Description Usable on Code	(7) Text	(8) Qty Inc In Unit
C-6	21	XBOZZ		OBJ61	HP3-100	.. O-Ring. Pump Body, Large	EA	1
C-6	22	XBOZZ		OBJ61	HP3-101	.. O-Ring. Backup	EA	1
C-6	23	XBOZZ		OBJ61	HP3-030-2101	.. O-Ring, Pump Body). Small	EA	1
C-6	24	XBOOO		OBJ61	HP3-055-0301	. Intake/Reject Hose Asscmbly)	EA	1
C-6	25	XBOZZ		OBJ61	HP3-131-12	.. Intake/Reject Hose	EA	1
C-6	26	XBOZZ		OBJ61	HP3-054-2300	.. Clamp, Large Hose	EA	2
C-6	27	XBOZZ		OBJ61	HP3-081-23	.. Sleeve, Outer	EA	1
C-6	28	XBOOO		OBJ61	HP3-005-0300	.. Handle Assembly	EA	1
C-6	29	XBOZZ		OBJ61	HP3-005-2302	.. Handle, Right	EA	1
C-6	30	XBOZZ		OBJ61	HP3-006-2302	.. Handle, Left	EA	1
C-6	31	XBOZZ		OBJ61	HP1-074-2001	.. Screw, Handle	EA	4
C-6	32	XBOZZ		OBJ61	HP3-033-2201	.. Hinge, Pin	EA	2
C-6	33	XBOOO		OBJ61	HP3-048-0300	.. Weight and Strainer	EA	1
C-6	34	XBOOO		OBJ61	HP3-090-0300	. Handle Extension Assembly	EA	1
C-6	35	XBOZZ		OBJ61	HP3-090	.. Handle, Lever	EA	1
C-6	36	XBOZZ		OBJ61	HP3-091	..Housing, Lever	EA	1
C-6	37	XBOZZ		OBJ61	HP3-104	.. Knob, Thumb Screw	EA	2
C-6		XBOOO		OBJ61	HP3-116-03	.MROD O-Ring Kit	EA	1

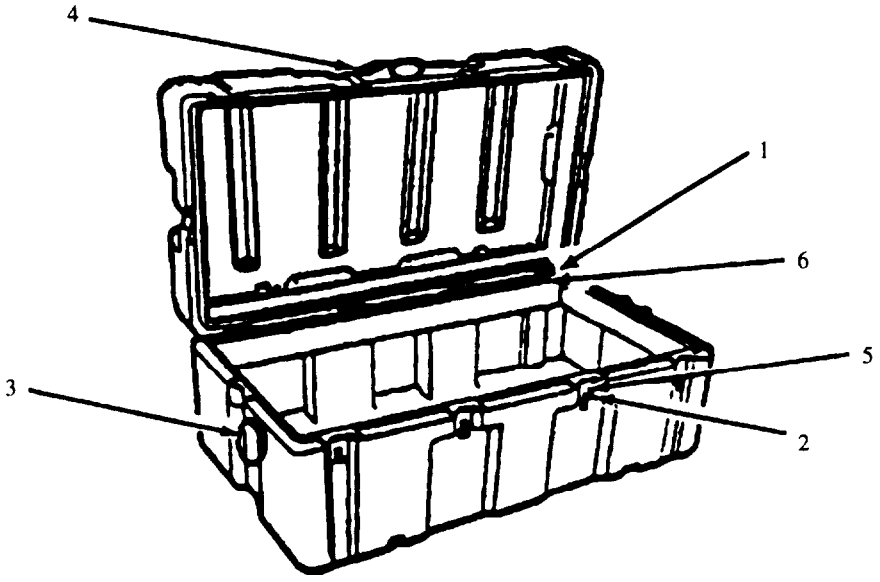


Figure C-7. Components of Rigid Containers

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty Inc In Unit
C-7		PAOOO	1680-01-361-4860	11214	AL-1616-0405-9697-700	Container, Small (Not Shown)	E A	1
C-7		PAOOO	1680-01-361-4858	11214	AL-1616-1204-9697-800	Container, Medium (Not Shown)	E A	1
C-7		PAOOO	1680-01-361-4859	11214	AL-3418-1005-9697-900	Container, Large (Optional)	E A	1
C-7	1	PAOZZ	5330-01-355-5152	11214	P21-473	.Gasket	EA	1
C-7	2	PAOZZ	5330-01-332-9996	11214	P21-430-2	.Catch	EA	4
C-	3	PAOZZ	5340-01-355-3655	11214	P21-808-3	.Handle	EA	2
C-7	4	PAOZZ	4820-01-356-2633	11214	P21-531	.Valve, Safety Relief	EA	1
C-7	5	PAOZZ	5340-01-332-4219	11214	P21-299-6	.Strike	EA	4
C-6	6	PAOZZ	5340-01-355-3642	11214	P21-115-3	.Hinge	EA	2

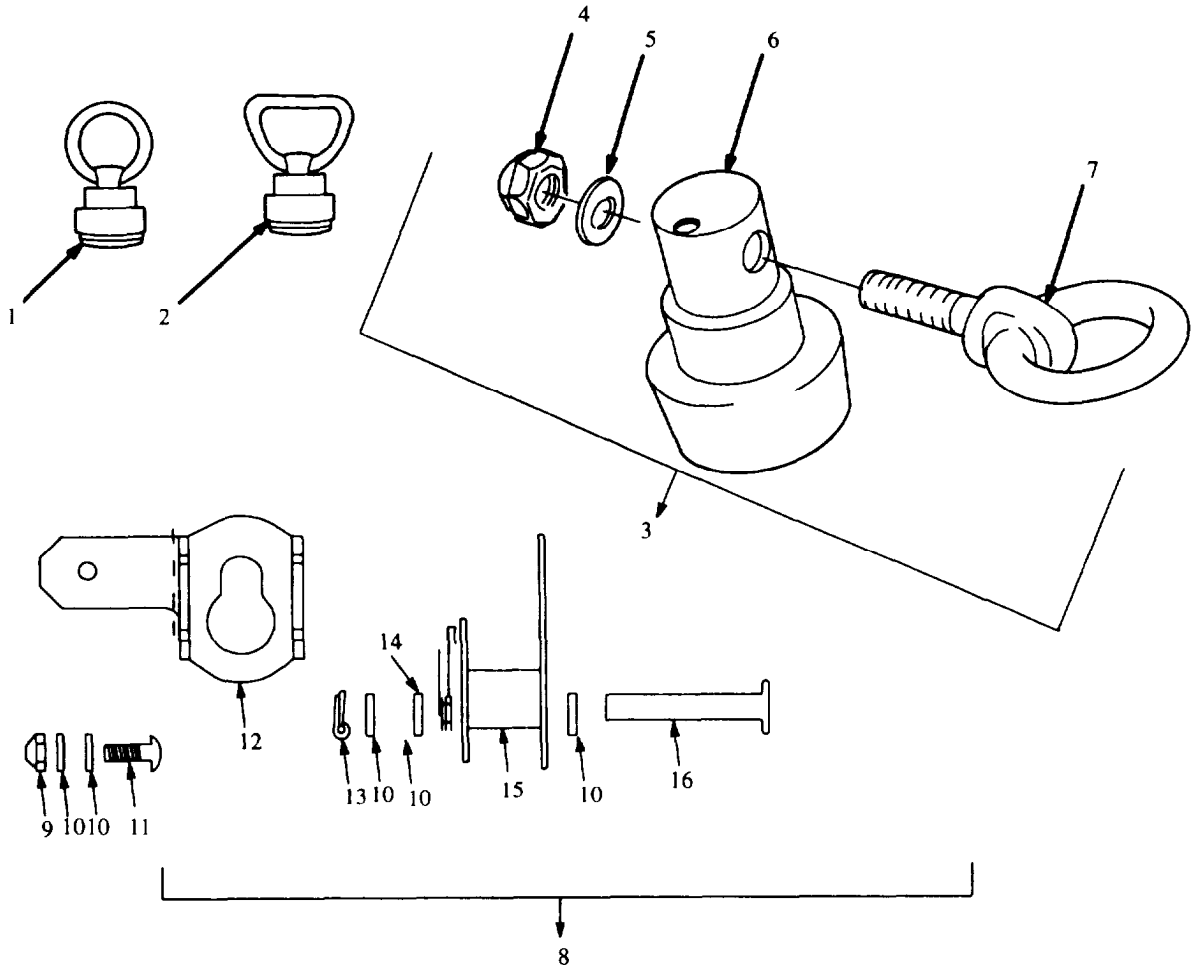


Figure C-8. Approved Quick-Disconnect Adapters Floor Fitting

(1) Illustration		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Fig. No.	(b) Item No.	SMR CODE	National Stock Number	CAGEC	Part Number	Description Usable on Code	U/M	Qty Inc In Unit
C-8	1	PAOOO	1680-01-107-1800	01276	32326	Adapter, Quick Disconnect	EA	AR
C-8	2	PAOOO	1680-01-085-7826	01276	32343	Adapter, Quick Disconnect	EA	AR
C-8	3	AOOOO			Ref Fig (E-2)	. Adapter, Quick Disconnect		
C-8	4	PAOOO	5310-00-807-1476	96906	MS21042L5	.. Nut, Shelf Locking	HD	1
C-8	5	PAOOO	5310-00-167-0836	88044	AN960-516L	.. Washer, Flat	HD	2
C8	6	PAOOO	1680-00-592-4878	96906	MS22034-2	.. Adapter, Quick Disconnect	EA	1
C-8	7	PAOOO	6306-00-014-0715	97499	205-070-725-9	.. Bolt Ring, Tiedown	EA	1
C-8	8	AOOOO			Ref Fig (E-2A)	. Floor Fitting, Tiedown		
C-8	9	PAOOO	5310-00-897-6145	60144	21083C4	.. Nut, Self Locking	EA	1
C-8	10	PAOOO	5310-01-145-3153	81348	FF-W-92	.. Washer, Flat	HD	5
C-8	11	PAOOO	5305-00-282-0135	88044	AN525-416R8	.. Screw Machine	HD	1
C-8	12	PAOOO	1680-01-112-2946	78286	70500-02158-103	.. Base, Left Hand	EA	1
C-8	13	PAOOO	5315-00-234-1854	96906	MS24665-153	.. Pin, Cotter	HD	1
C-8	14	PAOOO	5340-01-101-4209	78286	70500-02158-108	.. Clip, Spring Tension. RH	EA	1
C-8	15	PAOOO	1560-01-100-8271	78286	70500-02158-106	.. Lever, Troop Seat	EA	1
C-8	16	PAOOO	5315-00-770-9181	96906	MS20392-3C39	.. Pin, Straight, Headed	EA	1

SECTION III. SPECIAL TOOLS LIST

Tools Or Test Equipment Reference	Main Category	Nomenclature	National Stock Number	Tool Number
1	AVUM	Cleaner, Vacuum	7910-00-550-9123	
2	AVUM	Knife Set, 3 Holder W/Blades	5110-00-018-0952	
3	AVUM	Hot Knife, Searing	5110-00-029-9089	
4	AVUM	Sewing Machine, Medium	3530-00-852-4779	
5	AVUM	Face Shield	4240-00-965-1268	
6	AVUM	Awl, Saddlers	5120-00-223-8991	
7	AVUM	Brush, Dusting	7920-00-240-6358	
8	AVUM	Punch, Leather	5110-00-596-9604	
9	AVUM	Tweezers, Craftsman	5120-00-233-6985	
10	AVUM	Sealing Iron, Electric	3540-00-956-4511	
11	AVUM	Vacuum/Heat Sealing Machine	3540-01-386-2478	
12	AVUM	Shears	5110-00-161-6912	
13	AVUM	Spanner Wrench	5120-00-293-0798	
14	AVUM	Beaker Laboratory (50 ML)	6640-00-264-8323	
15	AVUM	Press, lead seal, Hand	5120-00-221-1668	
16	AVUM	Production Barb Insertion Tool	1680-01-417-4701	
			END OF TABLE	

SECTION IV. CROSS REFERENCE INDEX

NATIONAL STOCK NUMBER INDEX

Stock Number	Figure	Item
5180-00-065-6713	C-5	51
4220-00-071-1889	C-5	76
6135-00-073-8939	C-1	16
6135-00-073-8939	C-2	16
6135-00-073-8939	C-3	16
6135-00-073-8939	C-4	16
6135-00-073-8939	C-5	11
7330-00-082-2398	C-5	45
1680-00-082-2512	C-1, 2, 3	2
1680-00-082-2512	C-5	4
1680-00-082-2513	C-1	2
1680-00-082-2513	C-2	2
1680-00-282-2513	C-3	2
1680-00-082-2513	C-5	4
1680-00-082-2514	C-5	7
8970-00-082-5665	C-1	6
8970-00-082-5665	C-2	6
8970-00-082-5665	C-3	6
8970-00-082-5665	C-4	6
8970-00-082-5665	C-5	29
4320-00-097-4580	C-5	79
7340-00-098-4327	C-5	48
6350-00-105-1252	C-5	9
8345-00-140-4232	C-5	16
4720-00-141-9080	C-5	24
6840-00-142-8965	C-5	35
6850-00-161-6202	C-5	36
6850-00-161-6203	C-5	36
8465-00-161-9415	C-5	31
5110-00-162-2205	C-5	52
8465-00-165-6838	C-5	46
7340-00-170-8374	C-5	69
5110-00-024-9681	C-5	89
7310-00-234-3524	C-1	13
7310-00-234-3524	C-2	13
7310-00-234-3524	C-3	13
7310-00-234-3524	C-4	13
7310-00-234-3524	C-5	38
7920-00-240-2555	C-5	84
7920-00-240-2559	C-5	84
7340-00-240-7436	C-5	68
7340-00-243-5390	C-5	68
7340-00-243-5391	C-5	68
4220-00-244-0764	C-5	60
8465-00-254-8803	C-5	12
8465-00-257-4321	C-5	90
8340-00-261-9749	C-5	87
6350-00-261-9772	C-5	9
9110-00-263-9865	C-1	14
9110-00-263-9865	C-2	14

NATIONAL STOCK NUMBER INDEX (CONTINUED)

Stock Number	Figure	Item
9110-00-263-9865	C-3	14
9110-00-263-9865	C-4	14
9110-00-263-9865	C-5	39
8415-00-270-0229	C-5	41
6850-00-270-9986	C-5	80
2090-00-277-6583	C-5	83
8465-40-300-2138	C-5	61
1370-00-309-5028	C-1	7
1370-00-309-5028	C-2	7
1370-00-309-5028	C-3	7
1370-00-309-5028	C-4	7
1370-00-309-5028	C-5	13
4610-00-372-0592	C-5	82
8340-00-485-3012	C-5	27
2040-00-485-3018	C-5	81
8465-00-485-3034	C-5	22
6605-00-515-5637	C-5	63
5110-00-568-0409	C-5	49
5110-00-570-6896	C-5	55
9525-00-596-3498	C-5	62
8465-00-634-4499	C-5	23
5110-00-733-7129	C-5	54
9535-00-752-9061	C-5	44
4220-00-763-3766	C-5	78
8340-00-823-7451	C-5	88
6260-00-840-5578	C-5	43
4220-00-850-8655	C-5	77
5120-00-878-5932	C-5	57
4020-00-903-8594	C-5	71
8415-00-935-3130	C-5	59
4020-00-935-5761	C-5	71
7210-00-935-6665	C-5	40
7210-00-935-6666	C-5	40
7210-00-935-6667	C-5	40
6230-00-938-1778	C-1	15
6230-00-938-1778	C-2	15
6230-00-938-1778	C-3	15
6230-00-938-1778	C-4	15
6230-00-938-1778	C-5	10
8465-00-965-2174	C-5	64
8465-00-973-4807	C-5	47
5975-00-984-6582	C-1	12
5975-00-984-6582	C-2	12
5975-00-984-6582	C-3	12
5975-00.984-6582	C-4	12
5975-00-984-6582	C-5	42
5340-00-985-6921	C-5	50
5340-01-029-9084	C-5	86
5340-01-029-9085	C-5	86
1370-01-030-8330	C-1	7
1370-01-030-8330	C-2	7
1370-01-030-8330	C-3	7

NATIONAL STOCK NUMBER INDEX (CONTINUED)

Stock Number	Figure	Item	Stock Number	Figure	Item
1370-01-030-8330	C-4	7	4240-01-160-5618	C-1	8
1370-01-030-8330	C-5	13	4240-01-160-5618	C-2	8
6230-01-035-6077	C-5	14	4240-01-160-5618	C-3	8
6920-01-036-0562	C-1	4	4240-01-160-5618	C-4	8
6505-01-037-8636	C-5	34	4240-01-160-5618	C-5	17
4220-01-056-8667	C-5	75	8305-01-189-7066	C-5	72
6260-01-074-4229	C-1	3	6605-01-196-6971	C-5	66
6260-01-074-4229	C-2	3	8305-01-202-5842	C-5	72
6260-01-074-4229	C-3	3	4720-01-210-0361	C-1	12
6260-01-074-4229	C-4	3	4720-01-210-0361	C-2	12
6260-01-074-4229	C-5	15	4720-01-210-0361	C-3	12
6545-01-094-8412	C-5	33	4720-01-210-0361	C-4	12
8405-01-100-0976	C-5	28	4720-01-210-0361	C-5	42
8305-01-115-9168	C-5	72	5345-01-214-1050	C-5	53
6545-01-120-2632	C-5	32	8315-01-222-0679	C-5	65
6505-01-121-2336	C-5	35	8315-01-222-0680	C-5	65
8960-01-124-4543	C-1	4	5340-01-231-6015	C-5	86
8960-01-124-4543	C-2	4	1680-01-233-0061	C-1	8
8960-01-124-4543	C-3	4	1680-01-233-0061	C-2	8
8960-01-124-4543	C-4	4	1680-01-233-0061	C-3	8
8960-01-124-4543	C-5	20	1680-01-233-0061	C-4	8
8465-01-131-7921	C-5	58	1680-01-233-0061	C-5	18
9920-01-154-7199	C-1	11	5110-01-279-9332	C-5	85
9920-01-154-7199	C-2	11	8415-01-280-3089	C-5	70
9920-01-154-7199	C-3	11	8415-01-280-5234	C-5	70
9920-01-154-7199	C-4	11	8415-01-282-3160	C-5	70
9920-01-154-7199	C-5	19			

NATIONAL STOCK NUMBER INDEX (CONTINUED)

Stock Number	Figure	Item	Stock Number	Figure	Item
4220-01-286-0615	C-5	74	[redacted]	C-5	91
7210-01-286-0983	C-5	67	4240-01-366-1592	C-5	5
4610-01-313-6085	C-1	9	4220-01-379-5598	C-5	37
4610-01-313-6085	C-2	9	4730-01393-2720	C-1	12
4610-01-313-6085	C-3	9	4730-01-393-2720	C-2	12
4610-01-313-6085	C-4	9	4730-01393-2720	C-3	12
4610-01-313-6085	C-5	21	4730-01-393-2720	C-4	12
5110-01-321-8805	C-5	85	4730-01-393-2720	C-5	42
8465-01-323-7433	C-5	6	5110-01-346-5339	C-5	91
8465-01-328-8268	C-5	30	5110-01-346-5340	C-5	92
5110-01-359-2115	C-5	56			
4230-01-360-4427	C-1	5			
4230-01-360-4427	C-2	5			
4230-01-360-4427	C-3	5			
4230-01-360-4427	C-4	5			
4230-01-360-4427	C-5	25			
1680-01-361-4858	C-2	1			
1680-01-361-4858	C-3	1			
1680-01-361-4858	C-5	2			
1680-01-361-4859	C-5	3			
1680-01-361-4860	C-1	1			
1680-01-361-4860	C-5	1			
1680-01-362-6323	C-1				
1680-01-362-6324	C-3				
1680-01-362-6325	C-4				
4240-01-366-1592	C-4	2			

PART NUMBER INDEX

PART NUMBER INDEX

Part Number	Figure	Item	Part Number	Figure	Item
MIL-F-10805	C-3	14	MIL-S-44220	C-5	58
MIL-F-10805	C-4	14	MIL-S-475	C-5	31
MIL-F-10805	C-5	39	MIL-S-9964	C-5	55
MIL-F-284	C-5	68	MIL-T-7249	C-5	27
MIL-F-43231	C-1	6	MIL-W-1053	C-5	12
MIL-F-43231	C-2	6	MIL-W-44126	C-1	4
MIL-F-43231	C-3	6	MIL-W-44126	C-2	4
MIL-F-43231	C-4	6	MIL-W-44126	C-3	4
MIL-F-43231	C-5	29	MIL-W-44126	C-4	4
MIL-G-43914	C-5	30	ML-W-44126	C-5	20
MIL-H-43371	C-5	41	MROD-06-LL	C-1	9
MIL-I-11489	C-5	59	MROD-06-LL	C-2	9
MIL-I-43684	C-5	57	MROD 06-LL	C-3	9
MIL-K-818C	C-5	52	MROD-06-LL	C-4	9
MIL-K-8662	C-5	48	MROD-06-LL	C-5	21
MIL-L-38217	C-1	15	MS3367-1-0	C-1	12
MIL-L-38217	C-2	15	MS3367-1-0	C-2	12
MIL-L-38217	C-3	15	MS3367-1-0	C-3	12
MIL-L-38217	C-4	15	MS3367-1-0	C-4	12
MIL-L-38217	C-5	10	MS3367-1-0	C-5	42
MIL-L-38484	C-5	77	NDC 00043-0739-14	C-5	35
MIL-L-5567	C-5	76	NDC 72-5400-04	C-5	34
MIL-L-83491A	C-5	75	QQ-A-1876	C-5	44
MIL-P-2018	C-5	36	QQW321	C-5	62
MIL-P-43700	C-5	28	SC103	C-5	56
MIL-P-43743	C-5	16	SL3	C-1	8
MIL-P-501	C-5	87,88	SL3	C-2	8
MIL-P-8258	C-5	79	SL3	C-3	8
MIL-R-41819	C-5	90	SL3	C-4	8
MIL-S-1478	C-5	6	SL3	C-5	18
MIL-S-17980	C-5	80	62D4406	C-5	51
MIL-S-3276	C-5	65	SSA8	C-5	53
MIL-S-3272	C-5	64	SSS736	C-5	50

PART NUMBER INDEX (CONTINUED)

Part Number	Figure	Item	Part Number	Figure	Item
S&Y183	C-5	66	8702	C-5	17
TSB100A	C-5	85	92220	C-5	26
TSS100A	C-5	85	95270-53	C-1	3
ZZ-T-831	C-5	24	95270-53	C-2	3
O-120	C-5	33	95270-53	C-3	3
1-653	C-5	32	95270-53	C-4	3
10288975	C-1	4	95270-53	C-5	15
11-1-311	C-5	45			
13018	C-5	86			
13034	C-5	86			
1521AS101-1	C-5	74			
1680-ALSE-005	C-4	2			
1680-ALSE-005	C-5	5			
1680-ALSE-014	C-4				
2025	C-5	86			
45D18813	C-5	81			
51C3507	C-5	49			
53649	C-5	35			
59C3778	C-5	83			
60C90302	C-5	54			
62D4406	C-5	51			
67646306-10	C-5	78			
67F45692	C-5	61			
7188	C-5	37			
784311-21	C-5	9			
79905	C-1	5			
79905	C-2	5			
79905	C-3	5			
79905	C-4	5			
79905	C-5	25			
8702	C-1	8			
8702	C-2	8			
8702	C-3	8			
8702	C-4	8			

APPENDIX D

EXPENDABLE AND DURABLE ITEMS LIST

SECTION I. INTRODUCTION

D.1 SCOPE.

This appendix lists expendable and durable items you will need to maintain the AMSS. This listing is for informational purposes only and is not authority to requisition the listed items.

D.2 EXPLANATION OF COLUMNS.

a. Column (1) - Item number. This number is assigned to the entry in the listing for referencing when required.

b. Column (2) - Level. This column identifies the lowest level of maintenance that requires the listed item.

C - Operator/Crew
O - Unit Maintenance
F - Direct Support Maintenance

c. Column (3) - National Stock Number. This is the national stock number assigned to the item; use it to request or requisition the item.

d. Column (4) - Description. Indicates the federal item name and, if required, a description to identify the item. The last line for each item indicates the Commercial and Government Entity Code (CAGEC) in parentheses followed by the part number.

e. Column (5) - Unit of Measure (U/M)/Unit of Issue (U/I). This measure is expressed by a two-character alphabetical abbreviation (e.g., EA, IN, PR). If the unit of measure differs from the unit of issue as shown in the Army Master Data File (AMDF) requisition the lowest unit of issue that will satisfy your requirement

SECTION II. EXPENDABLE AND DURABLE ITEMS LIST

ITEM NUMBER	LEVEL	NATIONAL STOCK NUMBER	DESCRIPTION	(U/M)/ (U/I)
1	0	5315-00-770-9181	Pin, Straight, Head (96096), MS20392-3C39	EA
2	0	5310-01-145-3153	Washer, Flat (88044), AN96OKDH16	HD
3	0	8040-00-262-9062	Adhesive: Liquid, Rubber Base, 1 Pt Can (81348) MMM4-139	KT
4	0	8105-00-837-7755	Bag, Plastic: Polyethylene, 8 In. Sq. W Interlocking Seal Closure, Fed PPP-B-26, Type II, Style 2 (58536), A-A-1799	MX
5	0	8105-00-837-7756	Bag, Plastic: Polyethylene, 8 In. Sq. W Interlocking Seal Closure, Fed PPP-B-26, Type II, Style 2 (58536). A-A-1799	BX
6	0	1670-00-568-0323	Band, Rubber, Parachute Suspension Line Retainer 100 Per Box, MIL-R-1832, Type 1 (81349)	BX
7	0	9160-00-253-1171	Beeswax, Technical: I lb Cake, Fed C-B-191 (81348)	LB
8	0	7510-00-164-8893	Chalk, Marking: White, Tapered, 3/8 In. to7/16 In. Dia, 144 Per Box, Fed SS-C-266, Grade B. 1 Composition (81348)	GR
9	0	8305-00-420-5274	Cloth, Coated: Nylon, Type m, 3/8 in. W. Black Side Coated Butadiene Acrylonitrile, Olive Drab Side Uncoated, MIL-C-20696, Class 5 (81349)	YD
10	0	8305-00-935-6427	Cloth, Coated, Polychloroprene: Nylon, Type I, Yellow 36 In, W. MIL-C-19002 (81349)	YD
11	0	8305-00-170-9286	Cloth Duck: Cotton. Type I, Olive Drab 14.35 Oz. 36 In W. Fed CCC-C-419 (81348)	YD
12	0	8305-00-171-1203	Cloth Duck: Cotton, Type III. Olive Drab 8.25 Oz. 33 In. W. Fed CCC-C419 (81349)	YD
13	0	8305-00-765-2863	Cloth, Duck: Nylon. Type III. Sage Green 7.25 Oz. 42 In. W. MIL-C-7219, Class 3. (81349)	YD
14	0	8305-00-350-5625	Cloth, Knitted: Nylon, Sage Green 10.5 Oz. 36 In. W. MIL-C-8061, (81349)	YD
15	0	8305-00-926-6489	Cloth. Laminated: Nylon, Rubber Coated, Yellow One Side Blue One side, 38 In. W. MIL-C-23070, Variety C (81349)	YD
16	0	8305-00-270-1291	Cloth, Parachute MIL-C-7020, Type I, (81349)	YD
17	0	8305-01-115-9168	Cloth, Parachute MIL-C-7020. Type I, (81349)	YD
18	0	8305-01-189-7066	Cloth, Parachute MIL-C-7020F, Type L (81349)	YD
19	0	8305-01-202-5842	Cloth, Parachute MIL-C-7020, Type I, (81349)	YD
20	0	4020-00-240-2154	Cord, Fibrous: Nylon, Type I, 100 Lb Breaking Strength, Natural Color, 500 Yd Per Spool, MIL-C-5040 (81349)	SL

SECTION II. EXPENDABLE AND DURABLE ITEMS LIST

ITEM NUMBER	LEVEL	NATIONAL STOCK NUMBER	DESCRIPTION	(U/M)/ (U/I)
21	0	4020-00-935-5761	Cord, Fibrous: Nylon, Type L 100 Lb Breaking Strength, Olive Drab, 500 Yd Per Spool, MIL-C-5040 (81349)	SL
22	0	4020-00-292-9920	Cord, Fibrous: Nylon, Type IA, 100 Lb Breaking Strength, Natural Color, 500 Yd Per Spool, MIL-C-5040 (81349)	SL
23	0	4020-00-240-2146	Cord, Fibrous: Nylon, Type m, 550 Lb Breaking Strength. Natural Color. 700 Yd Per Spool, MIL-C-5040 (81349)	SL
24	0	4020-00-530-0174	Cord, Fibrous: Nylon. Type XI, 300 Lb Breaking Strength, Natural Color, 2,333 Yd Per Spool, MIL-C-7515 (81349)	SL
25	0	4020-00-903-8594	Cord, Fibrous: Nylon, Type XI, 300 Lb Breaking Strength, Olive Drab, 2,333 Yd Per Spool, MIL-C-7515 (81349)	SL
26	0	8010-00-616-9144	Enamel: Gray, Lusterless, 1 Pt Pressurized Can TT-E-527 (81348)	PT
27	0	8010-00-598-5936	Enamel: Olive Drab, Semigloss, 12 Oz Pressurized Can FED TT-E-485, Type II, L Composition (81348)	PT
28	0	8010-00-079-3760	Enamel: Red, Full Gloss, 1 Pt Pressurized Can FED Tr-E-00488 (81348)	PT
29	0	8315-00-926-4931	Fastener Tape, Hook: Black, 2 In. W. Nylon MIL-F-21840, Type II, Class I., (81349)	YD
30	0	8315-00-106-5973	Fastener Tape, Hook: Olive Green, 1 In. W. Nylon MIL-F-21840, Type II, Class I, (81349)	YD
31	0	8315-00-450-9837	Fastener Tape, Hook: Olive Green, 2 In. W. Nylon MIL-F-21840, Type II. Class I. (81349)	YD
32	0	8315-00-926-4930	Fastener Tape, Pile: Black, 2 In. W. Nylon MIL-F-21840, Type II. Class I, (81349)	YD
33	0	8315-00-279-3207	Fastener Tape, Pile: Loden Green, 2 In. W. Nylon, Precoated, MIL-F-21840 (81349)	YD
34	0	8315-00-106-5974	Fastener Tape, Pile, Olive Green, 1 In. W. Nylon MIL-F-21840, Class I, (81349)	YD
35	0	8315-00498-6631	Fastener Tape. Pile, Olive Green, 2 In. W. Nylon MIL-F-21840, Class I. (81349)	YD
36	0	9535-00-752-9061	Foil, Metal Type I, Grade B. QQ-A-1876 (81348)	FT
37	0	9150-00-985-7245	Grease, Aircraft and Instrument: 8 Oz. Tube MIL-G-23827, (81349)	OZ
38	0	5325-00-231-6589	Grommet. Metallic: Size 0, MIL-G-16491 (81349)	GR
39	0	7510-00-224-6734	Ink, Marking, Stencil: Black, 1 Pt Can, FED Tr-1-1795 (81348)	PT
40	0	9150-00-231-6689	Lubricating Oil, General Purpose: 1 Qt Can FED VV-L-800 (81348)	QT

SECTION II. EXPENDABLE AND DURABLE ITEMS LIST

ITEM NUMBER	LEVEL	NATIONAL STOCK NUMBER	DESCRIPTION	(U/M)/ (U/I)
41	0	68100-0281-2785	Methyethyketone, Technical: 1 Gal Can FED Tr-M-261 (81348)	GL
42	0	6810-00-223-9067	Naphtha, Aromatic: 1 Gal Can. FED TT-N-97, Type I[(81348)	GL
43	0	5315-00-234-1864	Pin, Cotter. MS24665-302 (96906)	HD
44	0	8030-00-081-2329	Sealing Compound: 1Occ Bottle, ML-S-22473, Grade E (81349)	BX
45	0	7930-00-634-3935	Soap, Laundry: Chip, 180 To 200 Lb Drum, FED P-S-1792, Type I. Class , (81348)	DR
46	0	5350-00-240-2920	Steelwool; OC; Grade 00. 1 Lb Roll, FED FF-W-1825. Type I, Class 1 (81348)	LB
47	0	9310-00-160-7858	Stencil Board: Oiled. 36 In. Lg. 24InW., 100 Sheets Per Pkg. FED UU-S-625. (81348)	HD
48	0	6810-00-270-9989	TALC, Technical; Powder, 1 Lb Ban, FED ZZ-T-416, Type IV, Class C, (81348)	LB
49	0	8135-00-272-9346	Tape, Gummed: Paper, Opaque, Brown, 2 In. W. 600 Ft. Lg. Roll, FED PPP-T-45, (81348)	RO
50	0	7510-00-266-5006	Tape, Pressure Sensitive Adhesive: 1 In. W. Type I, Olive Drab, Cloth Backing, Opaque, 60 Yd Roll. FED PPP-T-60 (81348)	RO
51	0	7510-00-515-0319	Tape, Pressure Sensitive Adhesive: 2 In. W. Natural Color Glass, Cloth Backing. Opaque, 60 Yd Roll, MILT-4053 (81348)	RO
52	0	8315-00-253-6287	Tape, Textile: Cotton, Type I,1/2 In. W. Olive Drab 70 Lb Breaking Strength. MIL-T43566, Class 4 (81348)	YD
53	0	8315-00-231-3531	Tape. Textile: Nylon, 1 In. W. Olive Drab MIL-T43664 (81348)	YD
54	0	8315-00-849-0208	Tape, Textile: Nylon, Type I, 1/32 In. W. Sage Green 350 Lb Breaking Strength, 100 Yd Per Spool. MIL-T-8363 (81349)	SL
55	0	8315-00-176-8083	Tape, Textile: Nylon, Type IIL 3/4 In W. Olive Drab 400 Lb Breaking Strength. MIL-T-5038 (81349)	YD
56	0	8310-00-262-2770	Thread. Nylon: Size No. E. Natural White, 2,800 Yd Per Tube, FED V-T-295. Type I, Class A (81348)	TU
57	0	8310-00-262-2772	Thread. Nylon: Size No. E, Olive Drab, 2.800 Yd Per Tube, FED V-T-295, Type I. Class A (81348)	TU
58	0	8310-00-227-1244	Thread, Nylon: Size No. FF, Olive Drab, 1,362 Yd Per Tube, FED V-T-295, Type I,. Class A (81348)	TU
59	0	8310-00-262-2780	Thread, Nylon: Size No. 6. Olive Drab, 425 Yd Per Tube FED V-T-295, Type I, Class A (81348)	TU

SECTION II. EXPENDABLE AND DURABLE ITEMS LIST

Item Number	Text	National Stock Number	Description	U/M)/ (U/I)
6 0	O	6810-00-286-2285	Toluene-Methylisobutyl Ketone Mixture: 1 Gal Can. MIL-T-19588 (81349)	GL
61	O	4720-00-141-9080	Tubing Latex, ZZ-T-831 (81348)	FT
62	O	9160-00-285-2044	Wax, Paraffin, Technical; 1 Lb Cake, FED VV-W-95, Grade A (81348)	LB
63	O	8305-00-261-8579	Webbing, Textile: Nylon. Type IV, 1 In. W. Olive Drab, 1,000 Lb Breaking Strength, MIL-T-5038 (81349)	YD
64	O	8305-00-753-6497	Webbing, Textile: Nylon, Type IV, 1 In. W. Yellow. 1,000 Lb Breaking Strength. MIL-T-5038 (81349)	YD
65	O	8305-00-263-2472	Webbing. Textile: Nylon, Type IV, l-1/2 In. W. Olive Drab, 1,500 Lb Breaking Strength, MIL-T-5038 (81349)	YD
66	O	8305-00-411-5976	Webbing, Textile: Nylon. Type IV, l-1/2 In. W. Red, 1,500 Lb Breaking Strength. MIL-T-5038 (81349)	YD
67	O	8305-00-261-8585	Webbing, Textile: Nylon, Type VIII, Class I. l-23/32 In. W. Olive Drab. 4,000 Lb Breaking Strength. MIL-W-4088 (81349)	YD
68	O	8305-00-0082-5752	Webbing, Textile: Nylon, Tubular, l/2 In. W Natural Color, W/Yellow identification Yams, 1,000 Lb Breaking Strength. MIL-W-5625 (81349)	YD
69	O	8305-00-262-1665	Webbing. Textile: Nylon. Tubular, l-1/2 In. W Orange-Yellow, 1,800 Lb Breaking Strength, MIL-W-17337, Class I. (81349)	YD
70	O	8305-00-350-5596	Webbing, Textile: Nylon, 7/16 In. W. W/One Looped Edge, Sage Green, 175 Lb Breaking Strength. MIL-T-26089 (81349)	YD
71	O	9505-00-892-4616	Wm. Steel, Corrosion Resisting: 0.080 In. Dia. 59.60 Ft. Per Lb. 10 Lb Coil. FED QQ-W-423 (81348)	CL
72	O	7510-00-582-4772	Tape Filament, Reinforced. Type II. Class B. 1 In. W. Natural Color, PPP-T-0097 (81348)	RO
73	O	5325-01-128-4441	Fastener, Slide, 11-l-188-6 (81337)	EA
74	O	8040-00-944-7292	Adhesive and Sealing Compound. Epoxy, Metal Filed, MMM-A-1754 (81348)	KT
75	O	6810-01-329-5353	Biocide, 1K1-012-1200 (OBJ61)	
76	O	6505-00-138-4150	Glycol Propolyne, No C00879-0331-16 (60964)	BT
77	O	8105-01-381-6365	Plastic Wrap, 8 In. x 22 Ft. Roll (OHUB7) Bulk-8	PG
78	O	8105-01-381-6374	Plastic Wrap, 11 In. x 22 Ft. Roll (OBUB7) Bulk-11	PG
79	O	8105-01-387-0241	Plastic Bag, 8 In. x 11-1/2 In. PC5 (OHUB7)	PG

SECTION II. EXPENDABLE AND DURABLE ITEMS LIST

Item Number	Level	National Stock Number	Description	(U/M) (U/I)
80	O	9535-00-541-2453	Aluminum Foil, 75 Ft. Roll, Type I, Grade B, QQA 1876 (81348)	RO
81	O		Webbing, Textile: Nylon, Type XII, Class 2, 3/4 In W. MIL-W-4088	
82	O	7920-00-044-9281	Cloth, Cleaning, Type 2, MIL-C-85093 (81349)	BX
83	O	7920-00-260-1279	Towel, Machinery Wiping, Size 1, DDDT 541 (81348)	BX
84	O	8305-01-084-1670	Cloth, Cotton (MIL-W-4088)	YD
85	O	5350-00-967-5093	Cloth, Mat, Abrasive, 240 Grit, Type I, Class I. Grade B, MIL-A-9962 (81349)	SH
86	O	5340-00-391-4240	Seal, Anti-Pilferage, 15262 (62142)	HD
87	O	6145-00-234-4991	Wire, Electrical, QQW 343 (81348)	SL
88	O	7930-01-331-1507	Cleaning, Compound, Solvent-Detergent, TJ-P-00401 (0A8K0)	EA
89	O	7930-01-336-7197	Cleaning, Compound, Solvent-Detergent, TJ-P-00501 (0A8K0)	BX
90	O	9520-00-277-4903	Angle, Structural (Sheet steel) QQ-S-741 (81348)	FT
91	O	5350-00-268-3116	Cloth, Crocus 2 In W., A-A-1206 (58536)	RO
92	O	1260-01-219-9443	Glycerin, Part #3190K86, CAGE 39428	EA
93	O	8040-01-055-6407	Adhesive, Silicone, Part # CTA-0003, CAGE 06090	TU
94	O	8030-00-180-6339	Calking, Compound 595-75 (05972)	CA
95			Deleted	
95			Deleted	
96	O		#5 YKK, Coil Slide Fastener, CAGE 6Y333	FT
97	O		#7 YKK, Coil Slide Fastener, CAGE 6Y333	FT
98	O		Pickling Salt (Local Purchase)	BX
99	O	6515-00-324-5500	Depressor, Tongue, Wood, 100s	PG
100	O	7510-00-55l-9822	Tape, Transparent 1/2 In. W.	RO
101	O		Paper, Waxed (Local Purchase)	
			END OF TABLE	

APPENDIX E

ILLUSTRATED LIST OF MANUFACTURED ITEMS

E.1 INTRODUCTION.

a. This appendix includes instructions for making items authorized to be manufactured or fabricated at aviation unit maintenance.

b. All bulk materials needed for manufacture of an item are listed by part number or specification number in a tabular list on the illustration.

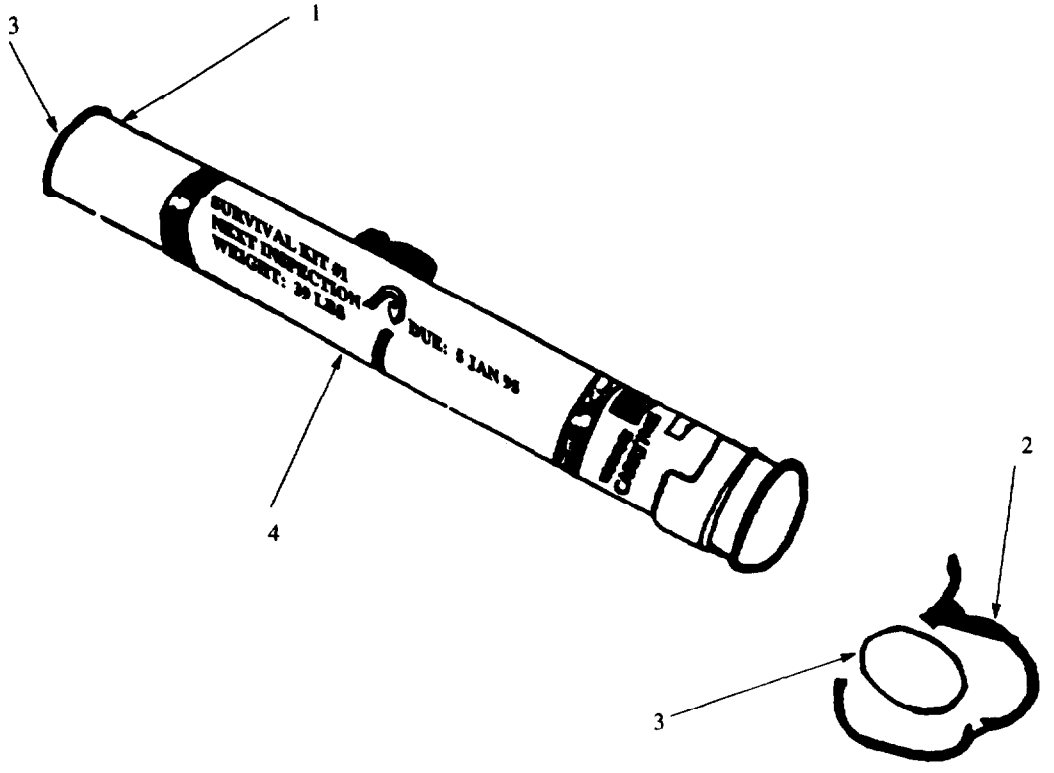


Figure E-1. Expended TOW Tube

Table E-1. Expended TOW Tube Parts

No.	Description	NSN	P/N	Qty
1	Clamp			1
2	Marmon Clamp, Over-centerRelease			1
3	Metal Disks	Local Manufacture		2
4	Case, Missile (TOW Tube)	6920-01-036-0562	10288975	
	Seal, Anti-Pilgerage	5340-00-391-4240		1

E.2 INSTRUCTIONS FOR TOW TUBE CASE CONVERSION.

1. Save the Marmon clamp from the forward carrying ring. This clamp has an over-center quick release handle. On the handle end about 1/2 inch from the front edge and on the flange (directly below the other drilled hole) drill small (1/32) inch hole. This will be used to safety wire the clamp with 28 awg copper wire after installation on the front end of the tow tube case.

2. Check the interior and exterior of the tube for burns or other signs of deterioration. The interior of the tube must be cleaned of all residue from the fired missile using cleaning solvent (D88) and (D99).

3. The wire bundle remains must be removed and the remaining void filled with epoxy filler (D74). Place a piece of waxed paper over the filled area. Take a tongue depressor and smooth the epoxy filler in the void. While smoothing, make certain that the tongue depressor is on edge and straddles the void. Remove the waxed paper and any excess filler before it hardens. The wax paper will give the epoxy surface a smooth finish, and will prevent tearing the equipment bag when it is being filled and pushed down into the tube, or when it is being removed.

4. When the tube has been cleaned and the wire bundle voids filled, paint the exterior (D27) OD Green. Stencil on what will be the outboard side of the tube (when the tube is mounted that lettering will show) the following

Survival Kit # (1 1/2 inch letters)
Next Inspection Due: (1 inch letters)
weight: (1 inch letters)

The stencil can be painted in black, white or whatever color the unit commander may want.

5. Two metal disks will be fabricated out no-tempered sheet aluminum. Cut the disks so as to extend (1/16-1/8inch) beyond the outside circumference of the tube end. When finished, paint the disks first with primer then with a black paint. Remove the Marmon clamp form the aft end and reuse it to secure the aft end cover (cap) to the TOW tube. Put a thin bead of sealant (D94) on the outer edge of the tube, place the metal end cap on the end and clamp the cap to the tube end.

6. On the forward end use the over-center handle release Marmon clamp that was removed from the forward carrying ring.

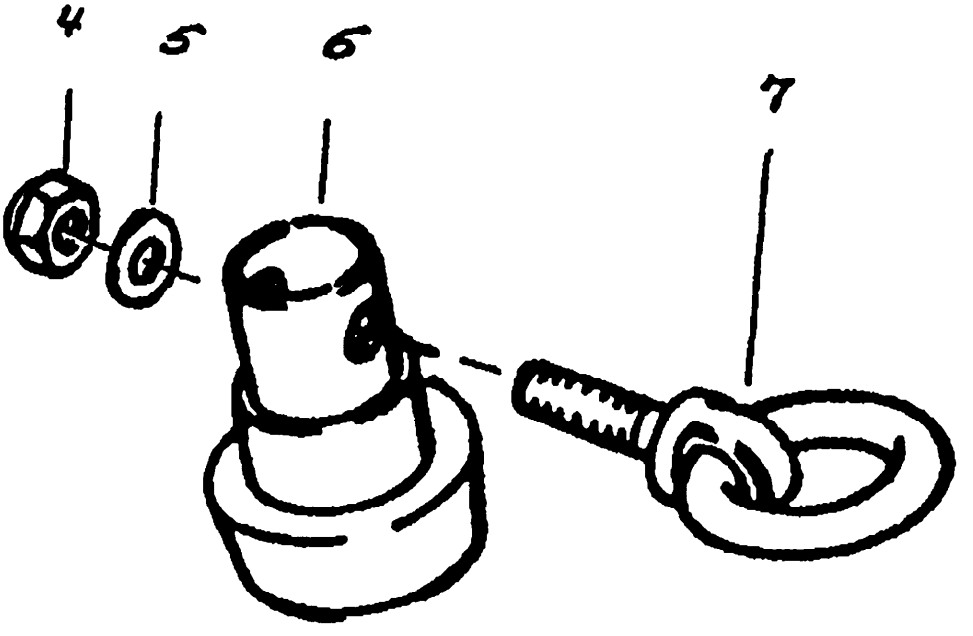


Figure E-2

E-3 Assembly Instructions, Adapter, Quick Disco (Fig C-8 Item 3)

a. Place adapter (item 6) in a bench vise with the predrilled holes that are located on the top stem facing up.

b. Enlarge the holes with a 5/16 drill bit. Remove the adapter from the bench vise and place on a flat surface.

c. Install a bolt ring (item 7) through the two holes that were just drilled and install a flat washer (item 5) and self locking nut (item 4) on the threaded end of the bolt and ring (item 7).

d. Hold the bolt ring (item 7) and tighten the self locking nut (item 4).

e. Install the modified Tiedown assembly on a seat mount tip with the bolt rings facing inward (toward survival kit case), lock the adapter down. Secure the survival kit case to the bolt right with parachute ejector snap(s).

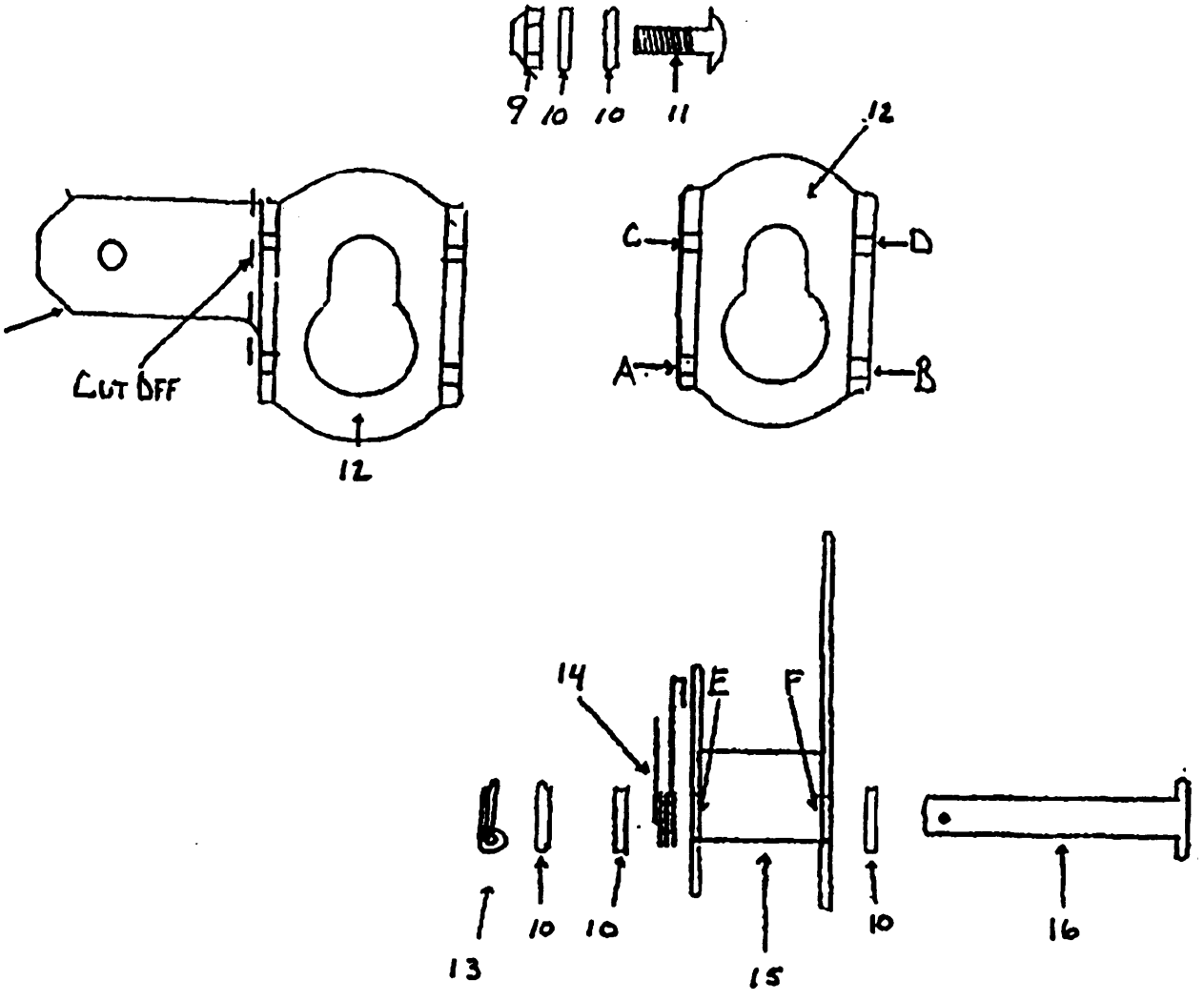


Figure E-2A

E-3A Assembly Instructions, Floor Fitting Tiedown (Fig C-8 Item 8)

a. With a band saw or hack saw remove the wing " arm" (figure item) from the left hand base at the point indicated by the dotted line. For SAFETY use a pair of vise grip pliers to hold the base while cutting.

b. Use a bench grinder or file to remove any rough areas from the cut.

c. The base should resemble the diagram in figure E-2A after the wing has been removed. Lay the base on a flat surface with the holes A and B facing toward you.

d. Push the end of the straight pin (Item 16, Fig C-8) through hole B in the base (Item 12, Fig C-8). Extend the pin through the hole far enough to place a flat washer (Item 10, Fig C-8) over it.

e. Place the troop seat lever (Item 15, Fig C-8) onto the base with the arm on the right side and the flat bottom flush with the base.

f. Push the straight pin (Item 16, Fig C-8) through the arm (holes E & F) far enough to place a straight pin (Item 16, Fig C-8) and then a flat washer (Item 10, Fig C-8) over it. Push the pin through hole A and place a flat washer (Item 10, Fig C-8) over it and install cotter pin (Item 13, Fig C-8).

g. Place washer (Item 10, Fig C-8) on machine screw (Item 11, Fig C-8).

h. Raise the troop seat lever to allow the machine screw to enter hole C after the spring dip is in place under machine screw. The spring clip should be against the flat washer and on the inside of the base. Push the machine screw through hole C, install flat washer (Item 10, Fig C-8) and self locking nut (Item 9, Fig C-8) and tighten.

i. Install the modified tiedown assembly on the seat post. To secure the survival kit case, attach a parachute ejector snap to the straight pin, with the troop seat lever " arm" on the right side of the ejector snap.

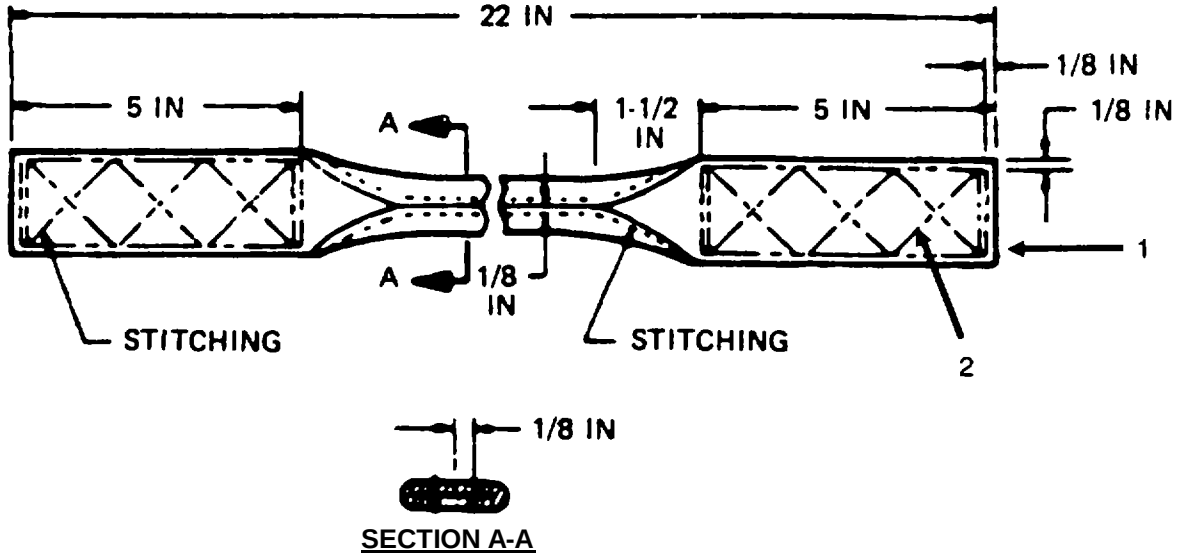


Figure E-3. Carrying Handle for Equipment Bag

Table E-3. Components of the Carrying Handle

No.	Description	NSN	P/N	Qty.
1	Nylon Webbing, 1-23/32, Type VIII	8305-00-261-8585	MIL-W-4088 CAGE 81349	
2	Thread	8310-00-227-1244	FED V-T-295, Type I, Class A CAGE 81348	

E-4 INSTRUCTIONS FOR ASSEMBLY OF CARRYING HANDLE .

1. Cut a 22-inch length of 1-23/32-inch-wide, type VIII nylon webbing and sear the ends.

2. At a point 5 inches form each end of the webbing length, make a contrasting colored mark.

3. Between the two marks made in 2 above, roll each edge of the webbing in one-half the width of the webbing (Figure E-3) and secure each rolled webbing edge with a single row of stitching located 1/8 inch out from the webbing edge, using the specifics in Table 24. Stitching will be made in accordance with paragraph 2-12.

4. Position the webbing length in the original carrying handle location and secure each end of the webbing by making a 4-7/8-inch-long, triple -X-box-stitch formation with two double ends according to original construction details, using the specifics in Table 24. Stitching will be made in accordance with paragraph 2-12.

E-5 Deleted In Its entirety, Including Figures E-4 and E-5.

INDEX

INDEX - Continued

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9. **Pub Title:** DMWR
10. **Publication Date:** 31 January 1991
11. Change Number: 7
12. Submitter Rank: MSG
13. **Submitter FName:** Joe
14. Submitter MName: T
15. **Submitter LName:** Smith
16. **Submitter Phone:** 123-123-1234
17. **Problem:** 1
18. Page: 2
19. Paragraph: 3
20. Line: 4
21. NSN: 5
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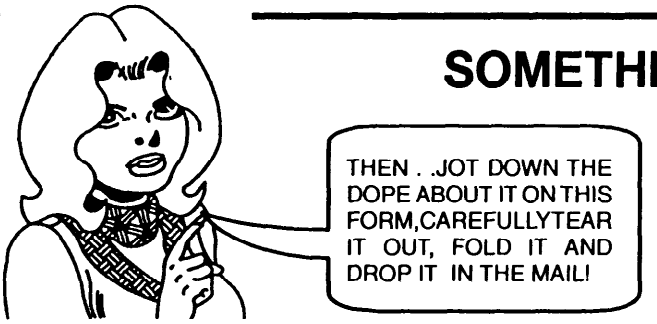

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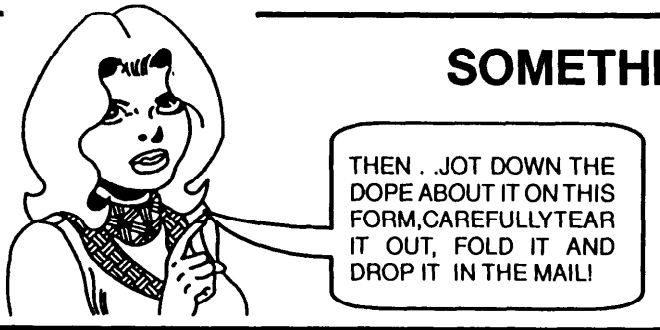

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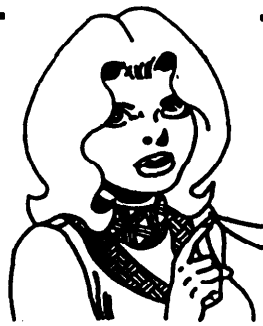

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REVERSE OF DA FORM 2028-2 Reverse of DRSTS-M Overprint 2, 1 Nov 80

TEAR ALONG PERFORATED LINE

FILL IN YOUR UNITS ADDRESS

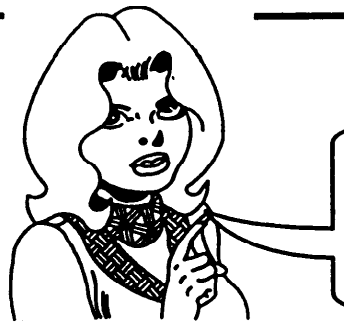
FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

COMMANDER
U.S. ARMY AVIATION AND MISSILE COMMAND
ATTN: AMSAM-MMC-LS-LP
REDSTONE ARSENAL, AL 35898-5230

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN . .JOT DOWN THE DOPE ABOUT IT ON THIS FORM,CAREFULLYTEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 1-1680-354-23&P	31 AUG 1994	Aircraft Modular Survival System

BE EXACT PIN–POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO

IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

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DA FORM 1 JUL 79 2028–2

PREVIOUS EDITIONS ARE OBSOLETE.

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The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
1 decimeter = 10 centimeters = 3.94 inches
1 meter = 10 decimeters = 39.37 inches
1 dekameter = 10 meters = 32.8 feet
1 hectometer = 10 dekameters = 328.08 feet
1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
1 decigram = 10 centigrams = 1.54 grains
1 gram = 10 decigram = .035 ounce
1 dekagram = 10 grams = .35 ounce
1 hectogram = 10 dekagrams = 3.52 ounces
1 kilogram = 10 hectograms = 2.2 pounds
1 quintal = 100 kilograms = 220.46 pounds
1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
1 deciliter = 10 centiliters = 3.38 fl. ounces
1 liter = 10 deciliters = 33.81 fl. ounces
1 dekaliter = 10 liters = 2.64 gallons
1 hectoliter = 10 dekaliters = 26.42 gallons
1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

To change	*To*	*Multiply by*	*To change*	*To*	*Multiply by*
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29,573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

PIN: 073163-000