

TM 10-8400-201-23&P

TECHNICAL MANUAL

**FIELD MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST
FOR**

**GENERAL REPAIR PROCEDURES
FOR
CLOTHING**

SUPERSEDURE NOTICE: TM 10-8400-201-23&P dated 1 October 2014 supersedes TM 10-8400-201-23 dated 7 May 1990, including all changes.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

**HEADQUARTERS, DEPARTMENT OF THE ARMY
1 OCTOBER 2014**

WARNING SUMMARY

This warning summary contains general safety warnings and hazardous materials warnings that must be understood and applied during operation of this equipment. Failure to observe these precautions could result in serious injury or death to personnel. Also included are explanations of safety and hazardous materials icons used within this technical manual.

FIRST AID

Field level maintenance and repair of individual equipment requires the use of equipment and chemicals which may be hazardous if used improperly. Before undertaking any procedures presented in this manual, make sure you are familiar with the potential hazards and appropriate first aid measures. Refer to FM 4-25.11, First Aid.

EXPLANATION OF SAFETY WARNING ICONS



BIOLOGICAL — abstract symbol bug shows that a material may contain bacteria or viruses that present a danger to life or health.



CHEMICAL — drops of liquid on hand shows that the material will cause burns or irritation to human skin or tissue.



ELECTRICAL — electrical wire to hand with electricity symbol running through hand shows that shock hazard is present.



EXPLOSION — rapidly expanding symbol shows that the material may explode if subjected to high temperatures, sources of ignition, or high pressure.



EYE PROTECTION — person with goggles shows that the material will injure the eyes.



FIRE — flame shows that a material may ignite and cause burns.



HOT AREA — hand over object radiating heat shows that part is hot and can burn.

EXPLANATION OF SAFETY WARNING ICONS – CONTINUED



MOVING PARTS — hand with fingers caught between rollers shows that the moving parts of the equipment present a danger to life or limb.



POISON — skull and crossbones show that a material is poisonous or is a danger to life.



SHARP OBJECT — pointed object in hand shows that a sharp object presents a danger to limb.



SLICK FLOOR — wavy line on floor with legs prone shows that slick floor presents a danger for falling.



VAPOR — human figure in a cloud shows that material vapors present a danger to life or health.

GENERAL SAFETY WARNINGS DESCRIPTION

WARNING



Solvents, cleaners, and adhesives are toxic, and may be flammable and explosive. Wear protective goggles and use only in a well-ventilated area. Avoid contact with skin, eyes, and clothes and don't breathe vapors. Do not use near open flame or excessive heat. If you become dizzy, get fresh air immediately and get medical aid. If contact with eyes or skin is made, immediately flush with clean water and get medical aid for eyes immediately.

LIST OF EFFECTIVE PAGES/WORK PACKAGES

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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HOW TO USE THIS MANUAL

HOW TO OBTAIN TECHNICAL MANUALS

When a new system is introduced to the Army inventory, it is the responsibility of the receiving units to notify and inform the Unit Publications Clerk that a Technical Manual (TM) is available for the new system. Throughout the life cycle of the new system, the Distribution Center DOL-W will also provide updates and changes to the TM.

To receive new TMs or change packages to existing TMs for fielded equipment, provide the Unit Publications Clerk the full TM number, title, date of publication, and number of copies required. The Unit Publications Clerk will justify the request through the Unit Publications Officer. When the request is approved, the Unit Publications Clerk will use DA Form 12-R to order the series of TMs from the Army Publishing Directorate (APD).

Instructions for Unit Publications Clerk

Obtain DA Form 12-R and request a publications account from the APD Web site at <http://www.apd.army.mil>. Once on the Website, click on the "Orders/Subscriptions/Reports" tab. From the dropdown menu, select "Establish an Account," then select "Tutorial" and follow the instructions in the tutorial presentation.

Complete information for obtaining Army publications can be found in DA PAM 25-33.

ORGANIZATION OF THIS MANUAL

This manual contains general information and maintenance instructions for clothing.

FRONT MATTER. Front matter consists of front cover, warning summary, title block, table of contents, and "How to Use this Manual" page.

CHAPTER 1 – INTRODUCTION. Chapter 1 contains general information, equipment description and data, as well as theory of operation.

CHAPTER 2 – PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS). Chapter 2 provides PMCS procedures for clothing.

CHAPTER 3 – FIELD MAINTENANCE INSTRUCTIONS FOR CLOTHING (CVC FIRE-RESISTANT CLOTHING). Chapter 3 provides maintenance procedures authorized at the field maintenance level that include repair and replacement of key components of aircrew and CVC fire-resistant clothing.

CHAPTER 4 – FIELD MAINTENANCE INSTRUCTIONS FOR CLOTHING (ECWCS GEN I). Chapter 4 provides maintenance procedures authorized at the field maintenance level that include repair and replacement of key components of the Extended Cold Weather Clothing System Generation I (ECWCS Gen I).

CHAPTER 5 – FIELD MAINTENANCE INSTRUCTIONS FOR CLOTHING (ECWCS GEN III). Chapter 5 provides maintenance procedures authorized at the field maintenance level that include repair and replacement of key components of the Extended Cold Weather Clothing System Generation III (ECWCS Gen III).

CHAPTER 6 – FIELD MAINTENANCE INSTRUCTIONS FOR CLOTHING (COLD WEATHER CLOTHING). Chapter 6 provides maintenance procedures authorized at the field maintenance level that include repair and replacement of key components of legacy cold weather clothing systems.

ORGANIZATION OF THIS MANUAL – CONTINUED

CHAPTER 7 – FIELD MAINTENANCE INSTRUCTIONS FOR CLOTHING (PROTECTIVE CLOTHING).

Chapter 7 provides maintenance procedures authorized at the field maintenance level that include repair and replacement of key components of chemical, toxicological, and fuel-protective clothing systems.

CHAPTER 8 – FIELD MAINTENANCE INSTRUCTIONS FOR CLOTHING (UNIFORMS).

Chapter 8 provides maintenance procedures authorized at the field maintenance level that include repair and replacement of key components of Army uniforms.

CHAPTER 9 – FIELD MAINTENANCE INSTRUCTIONS FOR CLOTHING (GENERAL).

Chapter 9 provides maintenance procedures authorized at the field maintenance level that include repair and replacement of key components of general clothing items.

CHAPTER 10 – PARTS INFORMATION. Chapter 10 contains Repair Parts and Special Tools List (RPSTL), national stock number index, and part number index.

CHAPTER 11 – SUPPORTING INFORMATION. Chapter 11 contains references, maintenance allocation chart, and expendable and durable items list.

REAR MATTER. Rear matter consists of DA Form 2028, authentication page, and back cover.

Manual Organization and Page Numbering System

The manual is divided into 11 major chapters that detail the topics mentioned above. Within each chapter are work packages covering a wide range of topics. Each work package is numbered sequentially starting at page 1. The work package has its own page numbering scheme and is independent of the page numbering used by other work packages. Each page of a work package has a page number of the form XXXX-YY where XXXX is the work package number (e.g., 0010 is work package 10) and YY represents the number of the page within that work package. A page number such as 0010-1/blank means that page 1 contains information but page 2 of that work package has been intentionally left blank.

Finding Information. The table of contents permits the reader to find information in the manual quickly. The reader should start here first when looking for a specific topic. The table of contents lists the topics, figures, and tables contained within each chapter and the work package sequence number where it can be found.

Example: If the reader were looking for Abbreviations and Acronyms, the table of contents indicates that the table for Abbreviations and Acronyms can be found in WP 0001, General Information. Scanning down the listings for Chapter 3, information on how to repair Overalls can be found in WP 0008, Combat Vehicle Crewman's Overalls, Inspect, Service, Repair.

There is no Alphabetical Index or Glossary at the back of the manual.

CHAPTER 1

**GENERAL INFORMATION, EQUIPMENT DESCRIPTION,
AND THEORY OF OPERATION**

FOR

CLOTHING

CLOTHING GENERAL INFORMATION

SCOPE

Type of Manual

This technical manual provides field maintenance instructions for repairing clothing issued to U.S. Army personnel. This manual also provides a Repair Parts and Special Tools List (RPSTL), located in Work Packages (WP) 0042 through WP 0082.

Part Numbers and Equipment Names

See Equipment Data and Description work package and RPSTL work packages for all part numbers and equipment names.

MAINTENANCE FORMS, RECORDS, AND REPORTS

(A) Department of the Army forms and procedures used for equipment maintenance will be those prescribed by (as applicable) DA PAM 738-750, The Army Maintenance Management System (TAMMS) Users Manual; DA PAM 738-751, Functional Users Manual for the Army Maintenance Management Systems - Aviation (TAMMS-A); or AR 700-138, Army Logistics Readiness and Sustainability.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your individual equipment items need improvement, let us know. Send us an Equipment Improvement Recommendation (EIR). You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance.

If you have Internet access, the easiest and fastest way to report problems or suggestions is to go to <https://aeps.ria.army.mil/aepspublic.cfm> (scroll down and choose the "Submit Quality Deficiency Report" bar). The Internet form lets you choose to submit an EIR, a Product Quality Deficiency Report (PQDR), or a Warranty Claim Action (WCA).

You may also submit your information using an SF 368 (Product Quality Deficiency Report). You can send your SF 368 via e-mail, regular mail, or facsimile using the addresses/facsimile numbers specified in DA PAM 750-8, The Army Maintenance Management System (TAMMS) Users Manual. We will send you a reply.

CORROSION PREVENTION AND CONTROL (CPC)

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

Corrosion specifically occurs with metals. It is an electrochemical process that causes the degradation of metals. It is commonly caused by exposure to moisture, acids, bases, or salts. An example is the rusting of iron. Corrosion damage in metals can be seen, depending on the metal, as tarnishing, pitting, fogging, surface residue, and/or cracking.

CORROSION PREVENTION AND CONTROL (CPC) - CONTINUED

Plastics, composites, and rubbers can also degrade. Degradation is caused by thermal (heat), oxidation (oxygen), solvation (solvents), or photolytic (light, typically UV) processes. The most common exposures are excessive heat or light. Damage from these processes will appear as cracking, softening, swelling, and/or breaking.

SF Form 368, Product Quality Deficiency Report, should be submitted to the address specified in DA PAM 750-8, The Army Maintenance Management System (TAMMS) Users Manual.

DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Destruction of Army materiel to prevent enemy use shall be in accordance with TM 750-244-1-2.

NOMENCLATURE CROSS-REFERENCE LIST

Table 1. Nomenclature Cross Reference.

OFFICIAL NOMENCLATURE	COMMON NAME
Camouflage Pattern Coat and Trousers	Battle Dress Uniform (BDU)
Chemical Protective Undershirt and Drawers	Chemical Protective Underwear (CPU)
Cold Weather Coat and Trousers Liner	ECWCS Gen I Cold Weather Coat and Trousers Liner
Cold Weather Jacket	Cold Weather Flyers' Jacket, CWU-45/P
Cold Weather Jacket and Trousers	ECWCS Gen III Soft Shell Jacket and Trousers; Soft Shell Layer
Cold Weather Parka and Trousers	ECWCS Gen I Cold Weather Parka and Trousers
Cold Weather Parka Ruff and Hood	ECWCS Gen I Parka Fur Ruff and Balaclava Hood
Cold Weather Shirt and Drawers	ECWCS Gen III Mid-Weight Shirt and Drawers; Mid-Weight Layer
Cold Weather Shirt and Overalls	ECWCS Gen I Fiberpile Shirt and Bib Overalls; Fiberpile Layer
Cold Weather Undershirt and Drawers	ECWCS Gen I Polypropylene Undershirt and Drawers; Polypropylene Layer
Cold Weather Undershirt and Drawers	ECWCS Gen III Light-Weight Undershirt and Drawers; Light-Weight Layer; Base Layer
Combat Coat and Trousers	Aircrew Coat and Trousers; also Army Combat Uniform (ACU)
Combat Gloves	Combat Vehicle Crewman's (CVC) Gloves
Extreme Cold Weather Parka and Trousers	ECWCS Gen III Extreme Cold Weather Parka and Trousers; Loft Layer
Flyer's Coveralls	CWU-27/P Coveralls
Flyer's Gloves	GS/FRP-2 Gloves
Flyers' Jacket	Light-Weight Flyers' Jacket, CWU-26/P
Wet Weather Jacket and Trousers	ECWCS Gen III Extreme Cold/Wet Weather Layer Jacket and Trousers

LIST OF ABBREVIATIONS AND ACRONYMS

Table 2. List of Abbreviations and Acronyms

ABBREVIATION/ACRONYM	MEANING
°C	Degrees Celsius
°F	Degrees Fahrenheit
ACU	Army Combat Uniform
ACWCS	Aircrew Cold Weather Clothing System
ASTM	American Society for Testing and Materials
BDU	Battle Dress Uniform
BII	Basic Issue Item
BOI	Basis of Issue
CAGEC	Commercial and Government Entity Code
CB	Center Back
CF	Center Front
COEI	Component of End Item
CPU	Chemical Protective Underwear
CVC	Combat Vehicle Crewman
CWU	Cold Weather Uniform
ECWCS	Extreme Cold Weather Clothing System
EIR	Equipment Improvement Recommendation
Fig.	Figure
FM	Field Manual
FREE	Fire-Resistant Environmental Ensemble
ft	Foot
ISO	International Organization for Standardization
lbs	Pounds
m, M	Meter(s)
MAC	Maintenance Allocation Chart
MOS	Military Occupational Specialty
MSCW	Modification System Cold Weather
MTOE	Modified Table of Organization and Equipment
NIIN	National Item Identification Number
No.	Number
NSN	National Stock Number
pkt	Pocket
P/N	Part Number
PMCS	Preventive Maintenance Checks and Services
Pr	Pair
Qty	Quantity
SF	Standard Form

LIST OF ABBREVIATIONS AND ACRONYMS — CONTINUED**Table 2. List of Abbreviations and Acronyms — Continued.**

ABBREVIATION/ACRONYM	MEANING
sl	Sleeve
SMR	Source, Maintenance, and Recoverability
TM	Technical Manual, also Total Measurement
UCP	Universal Camouflage Pattern
WP	Work Package
WR	Water Repellant

QUALITY OF MATERIAL

Material used for replacement, repair, or modification must meet the requirements of this manual. If quality of material requirements is not stated in this manual, the material must meet the requirements of the drawings, standards, specifications, or approved engineering change proposals applicable to the subject equipment.

END OF WORK PACKAGE

**CLOTHING
EQUIPMENT DESCRIPTION AND DATA**

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

This manual provides standards for the classification and repair and maintenance of clothing. DA forms and records used for the equipment maintenance will be only those prescribed in DA PAM 738-750. Demolition to prevent enemy use will be in compliance with instructions outlined in TM 750-244-3.

Combat Vehicle Crewman's (CVC) Overalls

The CVC Overalls (Figure 1) are fabricated of 6.0-ounce, high-temperature-resistant, non-melting nylon Oxford cloth, in Olive Green Shade 106, conforming to MIL-C-43842. Crewmen wear the Overalls as an outer garment during cold-weather operations. Features include a bib front with a center front slide fastener extending to the crotch, a drop seat, adjustable suspenders, and leg opening slide fasteners. The CVC Overalls have an integrated liner that extends above the waist level in the front and back. All pockets have slide fastener closures and are located at the left and right front hips, right and left upper thighs, and right and left lower legs.

Repair information for the CVC Overalls may be found in WP 0008.

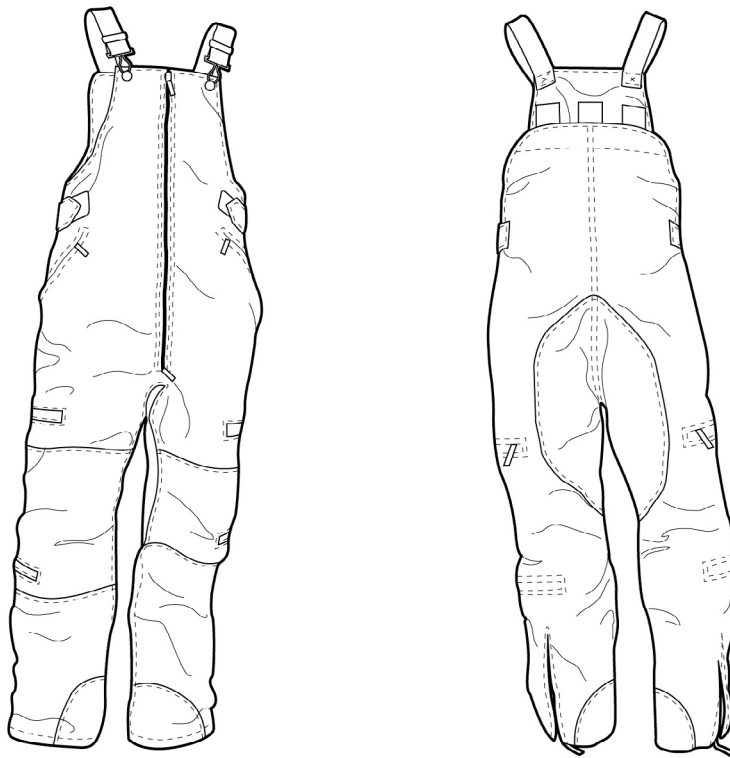


Figure 1. CVC Overalls.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Combat Vehicle Crewmember's (CVC) Coveralls**

The CVC Coveralls (Figure 2) features a drop seat with slide fastener closure at sides and hook-and-loop tape at top edge, a retrieval strap (loop) located at a hook-and-loop closure at lower end of back yoke, elastic at sleeve and leg bottoms, slide fastener side opening, an elastic waist tunnel, and neck tab. There are nine pockets having slide fastener openings and welt pieces: two chest patch types, two front inside-hanging, two thigh inside-hanging, two shin inside-hanging, and a left sleeve utility pocket.

The coveralls contain an anti-static finish and are furnished in 15 different sizes.

NOTE

Individuals who cannot be fitted properly by using standard sized coveralls may obtain special fitting in accordance with AR 32-4, Special Measurement Clothing.

In order to ensure maximum fire protection, the sleeves of the coverall shall always be closed at the wrists. The sleeves have been designed so that it is very difficult, and sometimes impossible, to roll up.

Because of the non-absorbent characteristic of the coverall; cotton, wool, or a cotton/wool blend of fibers underwear should be worn under the coverall for optimum comfort and fire/heat protection.

Repair information for the CVC Coveralls may be found in WP 0009.

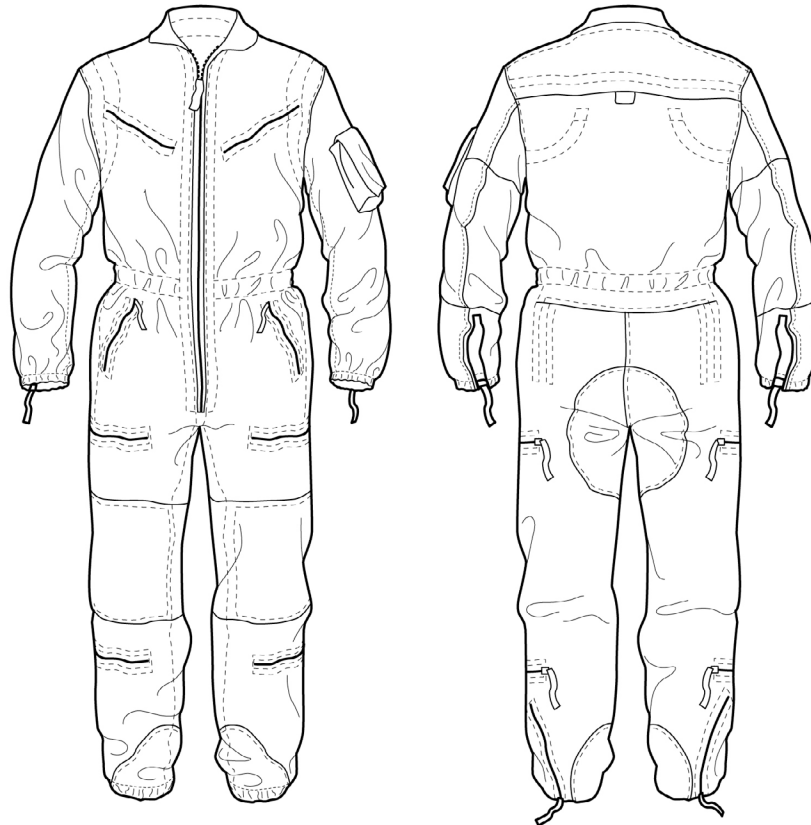


Figure 2. CVC Coveralls.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**CVC Coveralls Shirt and Trouser Liners**

The CVC Coveralls Shirt and Trouser Liners (Figure 3) are fabricated of quilted, high-temperature-resistant, non-melting nylon batting Shade OG-106, conforming to MIL-B-81813. The liner material is of low flammability and is worn by CVCs as an insulating layer under the coverall. The liner consists of separate coat and trouser components secured together by snap fasteners.

Repair information for the CVC Coveralls Liners may be found in WP 0010.

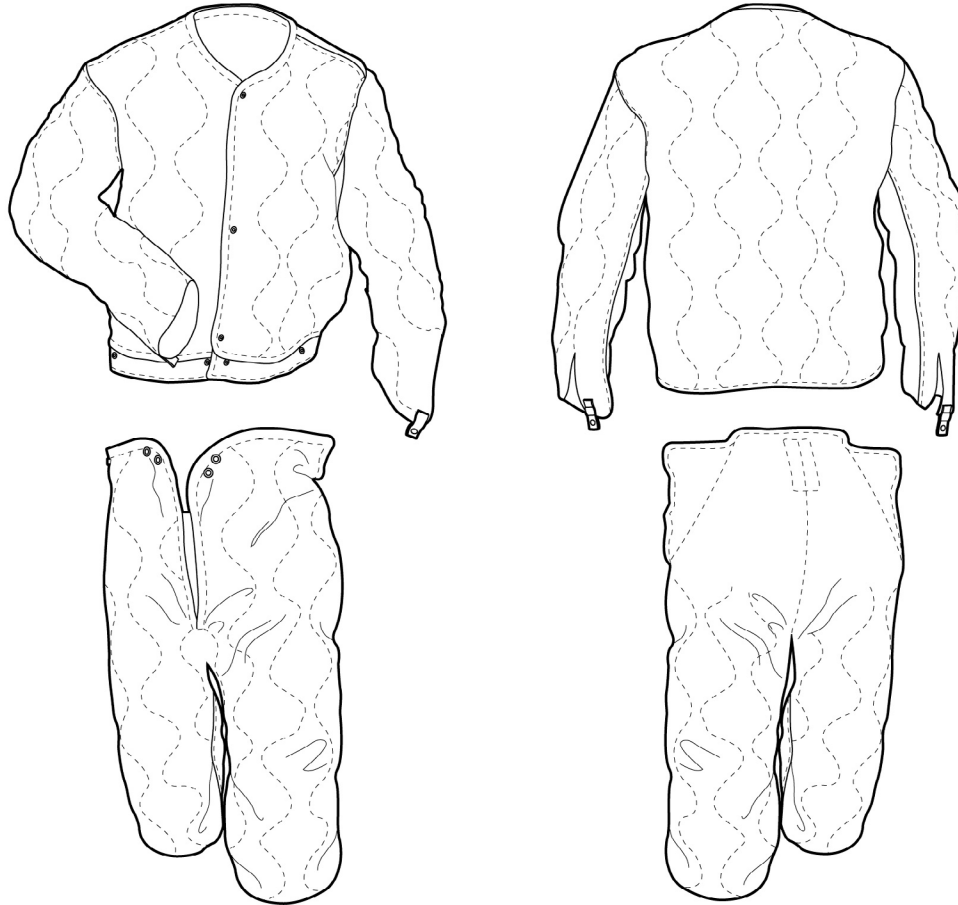


Figure 3. CVC Coveralls Liners.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Flyer's Coveralls (CWU-27/P Coveralls)**

The Flyer's Coveralls (Figure 4) is a one-piece, unlined garment with a slide fastener front closure and side pass-throughs, a bi-swing back, hook-and-loop fastener tape size adjustments for the waist and sleeves, and a slide fastener size adjustment on each leg terminal. Also included are two breast patch pockets, one combination cigarette pack and multiple-pencil compartment on the upper front left sleeve, two thigh pockets, and a multiple-pencil compartment pocket on the right lower leg patch pocket. Except for the knife pocket on the left thigh and the multiple pencil compartment pocket on the right lower leg, all pockets and pass-throughs have butted-beaded covered slide fasteners.

Repair information for the Flyer's Coveralls may be found in WP 0011.

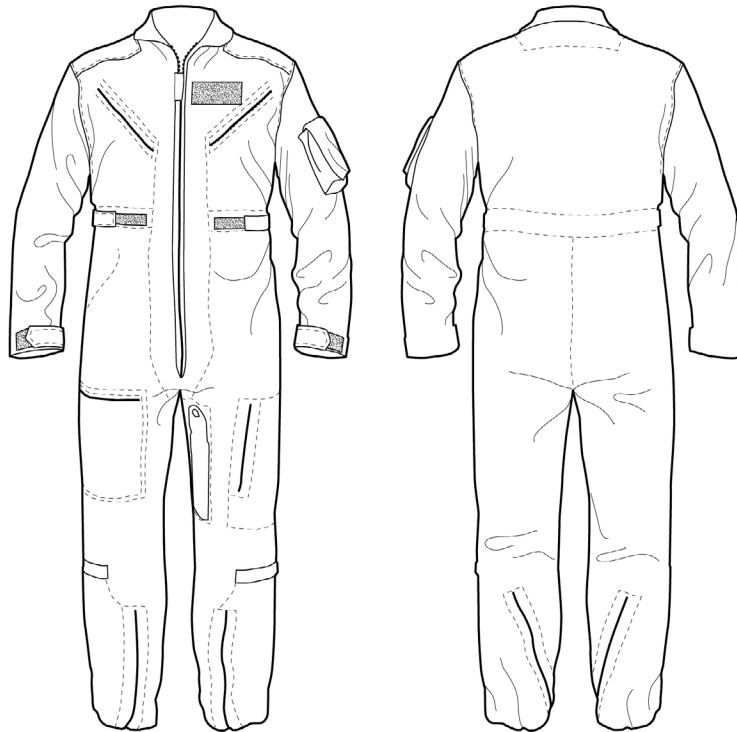


Figure 4. Flyer's Coveralls (CWU-27/P Coveralls).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Flyer's Jacket**

The Flyer's Jacket (Figure 5) material is of low flammability and worn by aviation and combat vehicle crewmen as an outer garment during ground and in-flight operations. The Flyer's Jacket has a front slide fastener closure, a collar with tab closure, and diagonal side pocket welts with hook-and-loop closure. The left sleeve has a cigarette and pencil pocket. The cuffs and waistband are rib knit. The jacket is fully lined with quilted batting material.

Repair information for the Flyer's Jacket may be found in WP 0012.



Figure 5. Flyer's Jacket (Top) and Cold Weather Jacket (Bottom).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Combat Gloves and Flyers' Gloves**

Combat Gloves and Flyers' Gloves (Figure 6) are of the same design consisting of leather for the palm, which extends through the gauntlet, and fabric for the remainder of the glove. The two gloves differ in the type of leather used for the palm areas. Flyers' Gloves are constructed of gray sheepskin with non-slip qualities; Combat Gloves are constructed from perspiration/water-resistant black cattle hide. The fabric portions of both gloves are high-temperature-resistant polyamide, simplex knit, and green. This fabric is inherently flame resistant and has no hot-melt or drip characteristics. The fabric will not support combustion but will begin to char at 700 to 800 °F (371 to 427 °C).

Flyer's Gloves are available in six sizes and Combat Gloves in seven sizes. Both gloves are designed to permit a snug fit and to provide sufficient dexterity and tactility to not interfere with the operation of the aircraft or combat vehicle, manipulation of switches, and safety or parachute harness buckles. To fit properly, the gloves should be neither too tight nor too loose around your hand, and the ends of your fingers should reach the ends of the glove fingers.

Repair information for the Flyer's Gloves and Combat Gloves may be found in WP 0013.

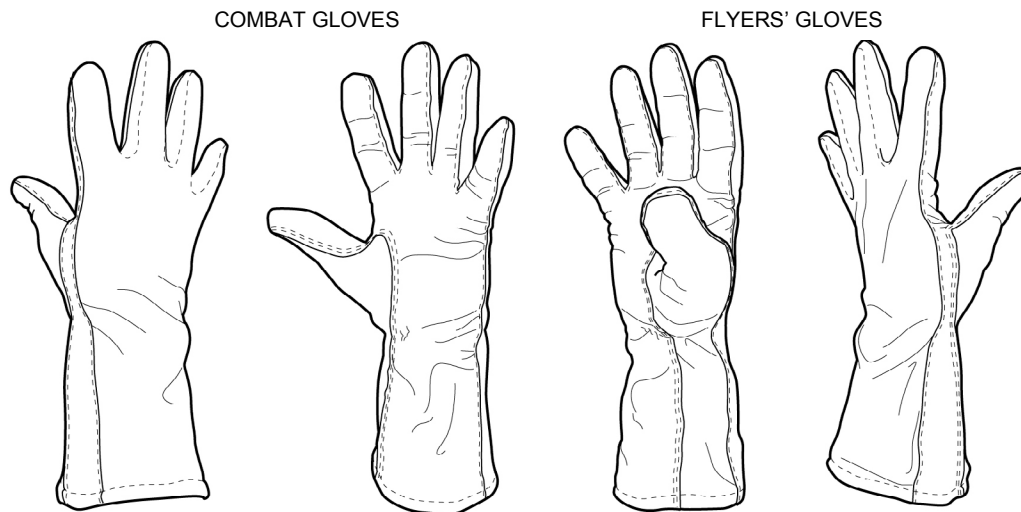


Figure 6. Combat Gloves and Flyers' Gloves.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Combat Coat and Trousers (Aircrew)**

Combat Coat. The Combat Coat (Figure 7), designed to temporarily protect aircrew members from fire, is made from Nomex fabric that is a high-temperature-resistant and inherently flame retardant synthetic fabric with no hot-melt point or drip characteristics. The fabric is lightweight and will not support combustion but will begin to char at 700 to 800 °F (371 to 427 °C). The fabric has good abrasion resistance and is non-absorbent. It may be either aramid or novoloid fibers. The coat is a “bush-type” design with two breast and two lower patch pockets with flaps, a left sleeve utility pocket, hook-and-loop fastener tape adjustments for waist and sleeves, and a slide fastener front closure. The coat is produced in either a woodland camouflage or desert tan camouflage pattern.



Figure 7. Combat Coat (Aircrew)

Combat Trousers. The Combat Trousers (Figure 8), designed to temporarily protect aircrew members from fire, are made from Nomex fabric that is a high-temperature-resistant and inherently flame retardant synthetic fabric with no hot-melt point or drip characteristics. The fabric is lightweight and will not support combustion but will begin to char at 700 to 800 °F (371 to 427 °C). The fabric has good abrasion resistance and is non-absorbent. It may be either aramid or novoloid fibers. The trousers have four standard-type pockets, two thigh patch pockets, two lower leg patch pockets and a slide fastener fly closure. All pockets have flaps except for slide hanging pockets. The trousers are produced in either a woodland camouflage or a desert tan camouflage pattern.

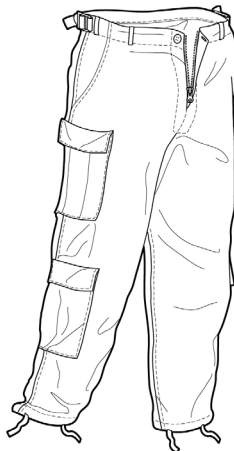


Figure 8. Combat Trousers (Aircrew).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**ECWCS Gen I**

Cold Weather Parka. The Cold Weather Parka (Figure 9) is made of a triple-layer laminated waterproof, windproof, and moisture vapor permeable nylon material. The garment repels water but is sufficiently porous to prevent moisture buildup from perspiration. The parka has an integrated hood, two breast pockets, inside map pockets that can be opened without unzipping the parka, two large lower cargo pockets and a two-way, full-front slide fastener to provide full face protection, leaving only the eyes uncovered. The underarms also have a slide fastener to provide ventilation. The parka is woodland camouflaged and is fully lined with a windskirt. There are elastic drawcords with barrel locks at the waist and a nylon woven tape drawcord with barrel locks at the hood. Nylon woven tape is also used for the neck hanger loop. Nylon hook-and-loop fastener tapes are located at the wrist tabs to allow for adjustment. Snap fasteners are located at the insignia tab along the full front closure on the overlay of the slide fastener, on the windskirt and pockets.



Figure 9. Cold Weather Parka.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Cold Weather Trousers. The Cold Weather Trousers (Figure 10) are made of the same material as the parka. They are also woodland camouflaged and have seat and knee patches, pass-through pockets, and gusseted leg openings to allow easy donning and doffing without removing the boots. The trousers have an elastic drawcord with barrel lock at the waist. Nylon hook-and-loop fastener tapes are located at the ankle tabs to allow for adjustment. Slide fasteners are located on the legs and front fly. The trousers have nylon tape suspender loops. Snap fasteners are located above the front fly slide fastener and on the pockets.



Figure 10. Cold Weather Trousers.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Cold Weather Coat Liner. The Cold Weather Coat Liner (Figure 11) is an Olive Green undergarment of polyester batting covered with three plies of rip-stop nylon cloth and is worn with the Extended Cold Weather Parka for additional insulation. The Extended Cold Weather Parka Liner is a three-quarter-length cardigan-style garment with bound edges. Tabs on the sleeve bottoms are provided for attaching the liner to the parka.

Repair information for the Cold Weather Coat Liner may be found in WP 0016.



Figure 11. Cold Weather Coat Liner.

Cold Weather Trousers Liner. The quilted camouflage Trousers Liners (Figure 12) are a natural color undergarment of polyester batting covered with three plies of nylon parachute cloth with a side opening waistband.

Repair information for the Trousers Liner may be found in WP 0016.

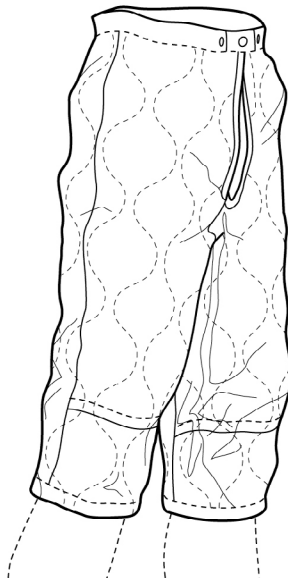


Figure 12. Extended Cold Weather Trousers Liners.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Cold Weather Polyester Fiberpile Shirt. The Cold Weather Polyester Fiberpile Shirt (Figure 13) is a brown-colored, long sleeve, front-opening type garment with a fold-over collar that converts to a turtleneck when the front slide fastener is completely closed. A black elastic nylon drawcord with barrel lock is at the waist with black hook-and-loop fastener tapes on the two chest cargo pockets and wrist adjustments. The shoulders, underarms, sleeves, and pockets are reinforced with plain weave black polyester/cotton material.

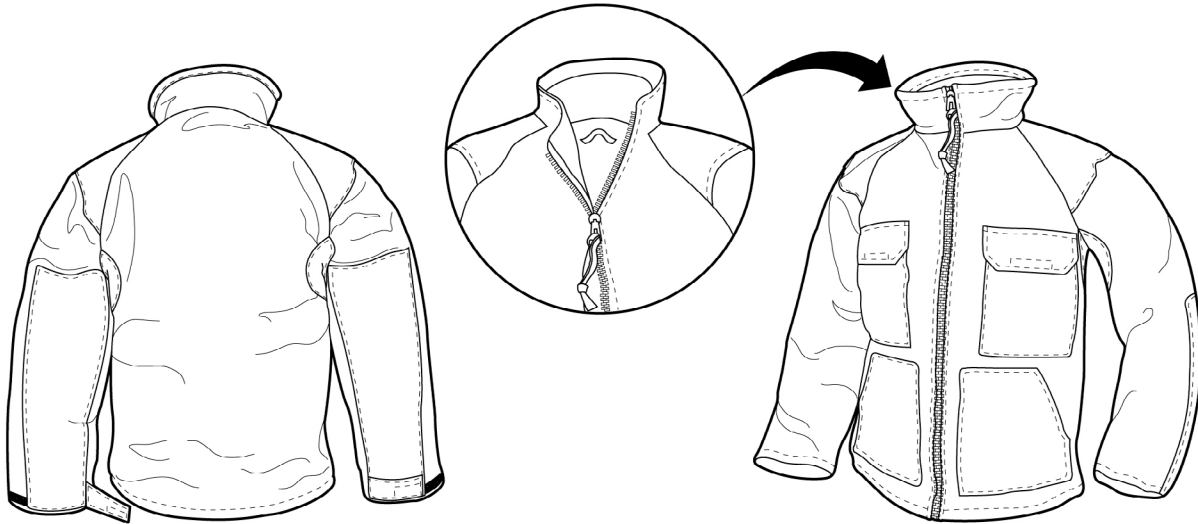


Figure 13. Cold Weather Polyester Fiberpile Shirt.

Cold Weather Fiberpile Overalls (Bib). Cold Weather Fiberpile Overalls (Figure 14) are constructed of a brown-colored, knitted polyester fiberpile material and features adjustable elastic suspenders with quick-release buckles, a side full-length black slide fastener and a fly slide fastener to enable two-way openings. Black colored hanger loops at the back of the bib and black colored suspender fastener loops are attached to the waistband.

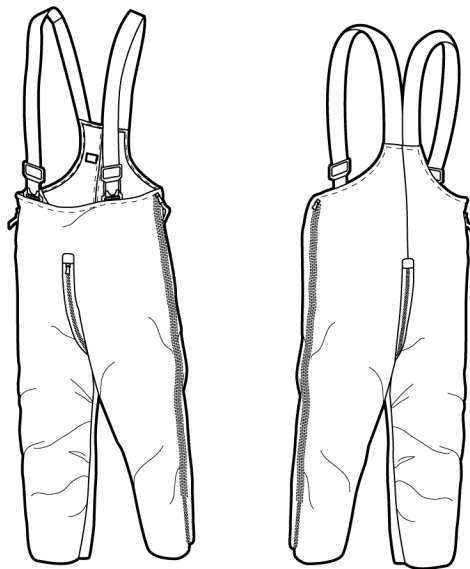


Figure 14. Cold Weather Fiberpile Overalls (Bib).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Cold Weather Polypropylene Drawers. The Cold Weather Polypropylene Drawers (Figure 15) are constructed of a brown-colored knitted, brushed polypropylene material with an elastic waistband and knitted ankle cuffs.



Figure 15. Cold Weather Polypropylene Drawers.

Cold Weather Polypropylene Undershirt. The Cold Weather Polypropylene Undershirt (Figure 16) is a brown-colored turtleneck that has a center-front slide fastener which extends to the middle of the chest area. The slide fastener allows for ventilation at the neck and chest area.



Figure 16. Cold Weather Polypropylene Undershirt.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Cold Weather Hood (Balaclava). The Cold Weather Hood (Figure 17) is constructed of two plies of black wool or wool blend knitted cloth with a wind-barrier interlining. The design is a pull-over-the-head style with an adjustable face opening. There are no repair procedures for the balaclava, as it is a non-repairable item.

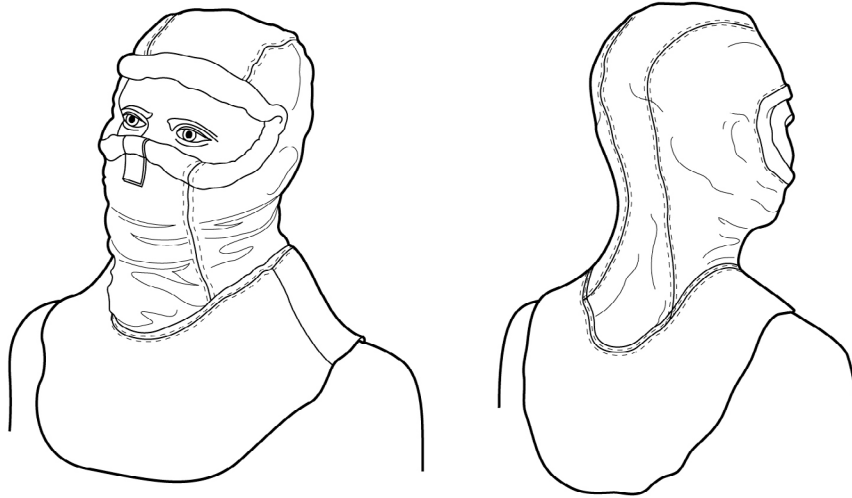


Figure 17. Cold Weather Hood (Balaclava).

Cold Weather Parka (Fur) Ruff . The Cold Weather Parka (Fur) Ruff (Figure 18) is a camouflage-printed item with synthetic fur material on the side facing the face and hook-and-loop and male snap fasteners on the opposite side, opposite end. The fasteners allow this item to be attached to the Extended Cold Weather Parka.

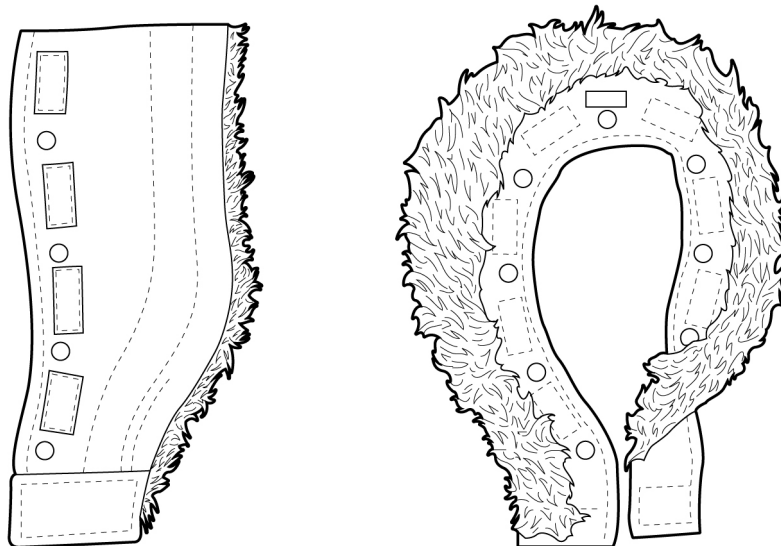


Figure 18. Cold Weather Parka (Fur) Ruff.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Outer Shell Layer(s)**

The outer shell layer(s) are the external layers that protect you from the elements in your environment. They are made of a highly water- and wind-resistant material that provides greater moisture vapor transfer over current hard shell garments. Their main function is to keep you dry. In addition, they provide additional volume for trapping body heat. Increased breathability improves performance of the insulation layers by decreasing saturation due to moisture vapor accumulation. These layers should be worn comfortably loose. The Cold Weather (Wind) Jacket, Cold Weather (Soft Shell) Jacket and Trousers, and the Wet Weather Parka and Trousers are the items that make up the outer shell layer.

Wet Weather Parka and Wet Weather Trousers

The Wet Weather Parka and Wet Weather Trousers (Figure 19) are fabricated from a 78 g/m² (2.3 oz/yd) plain weave nylon fabric coated on the outside with a 72 g/m² layer of cross linked polyurethane (2.1 oz/yd²) and on the inside with 51.8/m² (1.5 oz/yd²) layer of cross-linked polyurethane, Olive Green 207 in color, with an infrared reflectance of 219 at 1 micron. The Wet Weather Parka has a regular sleeve construction, is mid-thigh in length with an attached hood, a full-zipper front, hook-and-loop closures on each sleeve cuff and at the juncture between the front of the hood and the body of the parka, slash-through pocket openings, drawcords in the hood facing opening, and an elastic drawcord at the bottom. The Wet Weather Trousers are ankle length with drawcords in each leg hem, slash-through pocket opening, suspender loops, waist to crotch fly front opening with no zipper; and a waist drawcord.



Figure 19. Wet Weather Parka and Wet Weather Trousers

These garments are designed to fit over the Cold Weather Uniform. In hot weather, it may be desirable to use smaller-sized garments. Since an impermeable material is used in the garments, caution must be taken to avoid moisture buildup in the clothing insulation worn underneath the garments. Moisture buildup may be reduced in two ways: by adjusting the inner clothing worn to the outdoor temperature and the activity planned and also by utilizing the closures to permit the heat buildup under the parka and trousers to escape thereby reducing the moisture within the insulating layers.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Cold Weather Jacket (ECWCS Gen III Soft Shell Jacket). The Cold Weather Jacket (Figure 20) features a storable hood; shoulder pads with a hook-and-loop fastening system for name tag, rank, and U.S. Army emblem placement; adjustable cuffs; underarm zippers; pockets with mesh linings to aid in ventilation; and an extended tail to provide overlap to prevent snow from entering the system.



Figure 20. Cold Weather Jacket (ECWCS Gen III Soft Shell Jacket).

Cold Weather Trousers (ECWCS Gen II Soft Shell Trousers). Soft Shell Trousers (Figure 21) feature detachable suspenders (compatible with all trousers), front pockets with flap, drop seat capability, thigh cargo pockets, articulated knee, adjustable ankle cuff, and side zips on the lower leg to provide access when donning and doffing boots.

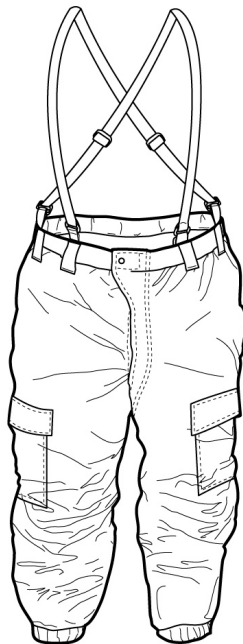


Figure 21. Cold Weather Trousers (ECWCS Gen III Soft Shell Trousers).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Cold Weather (Wind) Jacket. The Cold Weather (Wind) Jacket (Figure 22) is made of a lightweight, wind-resistant, and water-repellant material. It acts as a minimum outer shell layer, improving the performance of moisture wicking of the insulation layers when combined with body armor and/or the Army Combat Uniform. Used for wind-stop protection during windy cool days, this layer features a simpler collar instead of a hood, a hook-and-loop fastening system for name tag, rank, and U.S. Army emblem placement, as well as pockets designed with mesh linings to aid in ventilation.



Figure 22. Cold Weather Wind Jacket (ECWCS Gen III).

Fleece Jacket. The Fleece Cold Weather Jacket (Figure 23) is foliage green and acts as a primary insulation layer for use in moderate to cold climates. It is worn underneath outer shell layers or worn as an outer garment for mild cool days. It has a hook-and-loop fastening system for name tag, rank, and U.S. Army emblem placement, as well as a full-length zipper on center front.



Figure 23. Fleece Jacket (ECWCS Gen III).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Cold Weather Mid-Weight Shirt and Drawers: Base or Insulation Layer**

The Cold Weather Mid-Weight Shirt and Drawers (Figure 24) consist of a long sleeve top and full-length bottom garments constructed out of polyester “grid” fleece. The shirt is equipped with a zippered neck and thumb loops at the ends of the sleeves to aid in donning outerwear over the shirt. The mid-weight clothing articles provide light insulation for use in mild climates as well as acting as a layer for colder climates. During movement they provide an increase in surface area to wick moisture away from the wearer. The Cold Weather Mid-Weight Shirt and Drawers may be worn over the Cold Weather Lightweight Undershirt and Drawers as an insulating layer or next to the skin as a base layer.

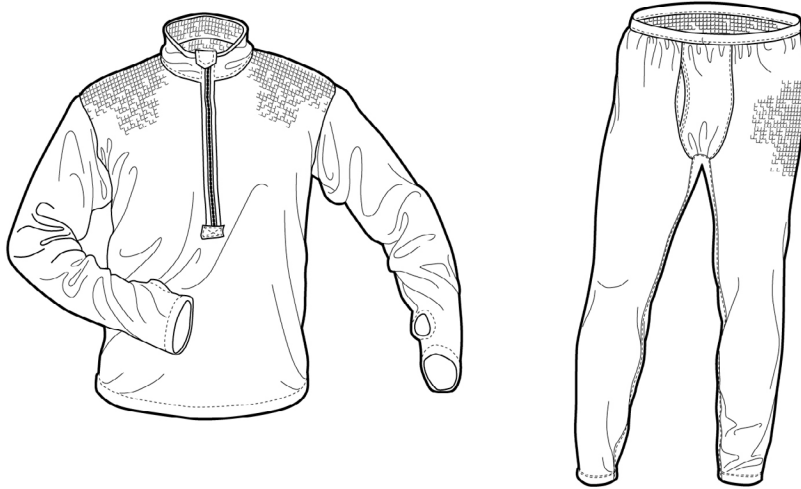


Figure 24. Cold Weather Mid-Weight Shirt and Drawers (ECWCS Gen III).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Cold Weather Lightweight Undershirt and Drawers**

The Base Layer. Base layer articles are those adjacent to your body and should be worn comfortably loose. The main purpose of these garments is to wick excess moisture away from your body. The Cold Weather Lightweight Undershirt and Drawers (silk-weight) make up the base layer (Figure 25). The Cold Weather Mid-Weight Shirt and Drawers can be used as either a base or insulating layer.

Long sleeve top and full-length bottom garments are constructed out of silk-weight moisture wicking polyester. The undershirt has a crew neck with long sleeves and is equipped with thumb loops at the ends of the sleeves to aid in donning outerwear over the undershirt. Flat seam construction reduces chafing. Material aids in the movement of moisture from the skin to the outer layers both while the wearer is moving or static. The drawers have an elastic waistband and standard front fly opening. It is worn next to the skin or with the Cold Weather Mid-Weight Shirt/Drawers for added insulation and to aid in the transfer or moisture.

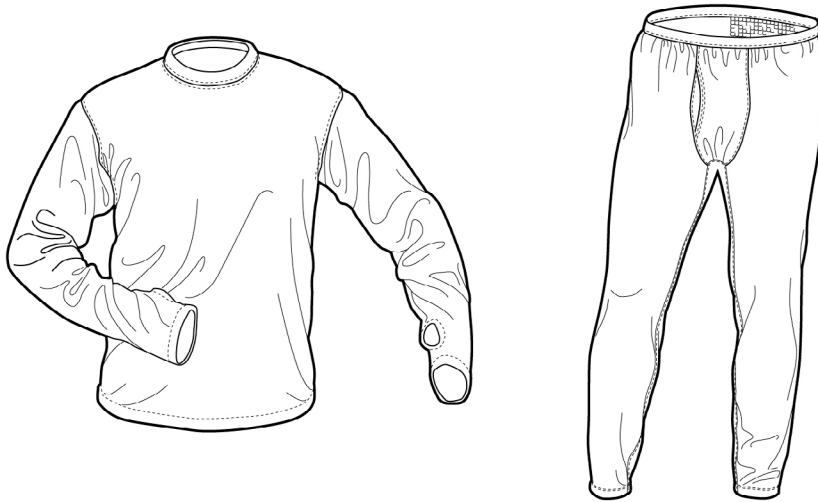


Figure 25. Cold Weather Lightweight Undershirt and Drawers (ECWCS Gen III).

Insulation Layer(s). The insulation layer(s) are the intermediate layer(s). They provide volume to enable you to trap warm air between your body and the outer garments. In addition, the insulation layer(s) help wick away any excess moisture. These layers should be comfortably loose to trap a sufficient volume of air. The Cold Weather Mid-Weight Shirt and Drawers, and Fleece Cold Weather Jacket make up the insulation layers. The Fleece Jacket can also be used as an outer layer.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Cold Weather Coat**

The men's Cold Weather Coat (Figure 26) is made of water-repellent and wind-resistant cotton and nylon sateen. It is a loose fitting, hip-length coat with slide fastener front closure. Adjustable sleeve tabs are provided for wrist fit. The coat has two bellows-type breast pockets and two inside-hanging pockets on the lower front. All snap fasteners closed waist and hem drawcords are provided. Buttons are provided on the inside facing of the front closure for attaching the coat liner.

Repair information for the Cold Weather Coat may be found in WP 0026.

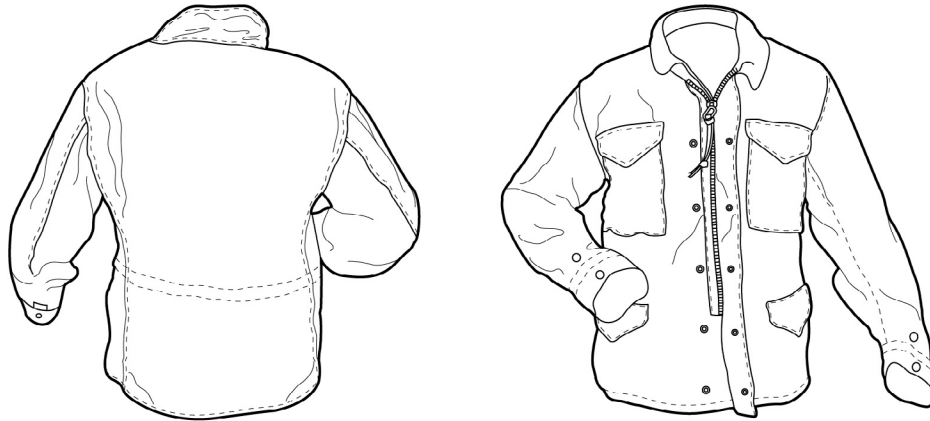


Figure 26. Cold Weather Coat.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Extreme Cold Weather Parka without Hood**

The Olive Green Extreme Cold Weather Parka without Hood (Figure 27) is a single-breasted outer garment made of water-repellent cotton and nylon Oxford cloth. It is slide fastener closed, and the sleeves have adjustable cuffs. There are two slit-type breast pockets with snap fastener closures. Waist and hem drawcords are provided. Inside buttons and button tabs are provided for attaching a parka liner. Buttonholes on the collar are provided for attaching a fur hood.

Repair information for the Extreme Cold Weather Parka with Hood may be found in WP 0027.



Figure 27. Extreme Cold Weather Parka without Hood.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Extreme Cold Weather Parka Liner**

The Extreme Cold Weather Parka Liner (Figure 28) is an Olive Green undergarment of polyester batting covered with three plies of rip-stop nylon cloth and is worn with the Extreme Cold Weather Parka or Cold Weather Coat for additional insulation. The Extreme Cold Weather Parka Liner is a three-quarter-length cardigan-style garment with bound edges. Buttonholes along the neck and front edges and tabs on the sleeve bottoms are provided for attaching the liner to the parka.

Repair information for the Cold Weather Parka Liner may be found in WP 0028.



Figure 28. Extreme Cold Weather Parka Liner.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Cold Weather Trousers**

The men's cotton and nylon wind resistant sateen Cold Weather Trousers (Figure 29) have a slide fastener closure and a slide buckle waist adjustment. There are snap fastener closed front pockets and rear pockets and two cargo pockets with tie tapes. Button tabs are provided in the waistband for attaching the trouser liners.

Repair information for the Cold Weather Trousers may be found in WP 0029.

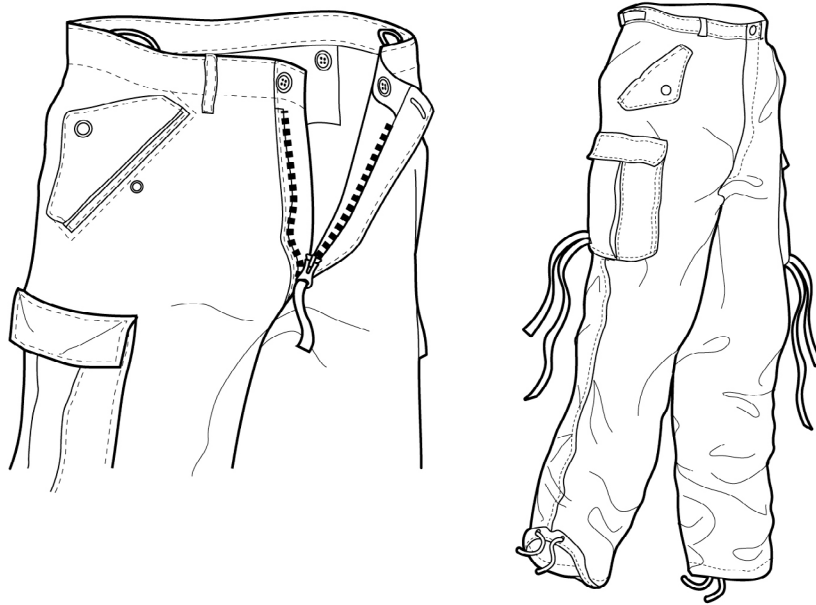


Figure 29. Cold Weather Trouser.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Cold Weather Trousers Liner**

The Cold Weather Trousers Liners (Figure 30) are made from quilted polyester batting material and are designed for use with the Cold Weather Trousers.

Repair information for the Cold Weather Trousers Liner may be found in WP 0029.

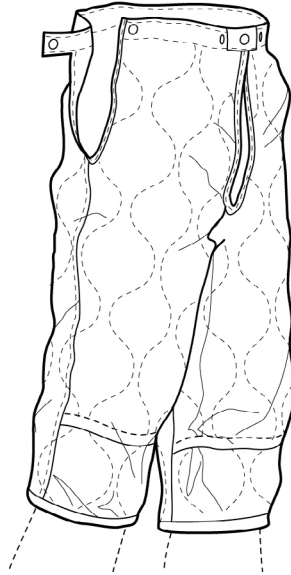


Figure 30. Cold Weather Trousers Liner.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Snow Camouflage Parka**

The Snow Camouflage Parka (Figure 31) is made of multi-filament nylon material. The garment repels water, is lightweight, and is totally compatible with the Extended Cold Weather Clothing System (ECWCS). The parka has an integrated hood with draw cord and cord locks (barrel locks), two pass-through pockets, and waist and bottom hem draw cords. The parka front closure system utilizes five snap fasteners. There is one snap fastener at the base of the hood (near the neck line). This item includes an attached storage pouch. The garment is stuffed into this pouch when it is not being worn. The storage pouch fits easily in one of the ECWCS parka pockets or the Soldier's Field Pack.

Repair information for the Snow Camouflage Parka may be found in WP 0030.



Figure 31. Snow Camouflage Parka.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Arctic White Snow Camouflage Trousers**

The Arctic White Snow Camouflage Trousers (Figure 32) are made of multi-filament nylon material. The garment repels water, is lightweight, and is totally compatible with the ECWCS. The trousers have pass-through pockets and cargo pockets with snap closures, a waist drawer cord, six button tabs at the waist, and suspender loops. The button tabs are used with the white extreme-cold-weather quilted trouser liner. This white trouser liner is part of the Dry Extreme Cold Weather Clothing System. The ECWCS, which replaces the former, does not utilize the button tabs and white trouser liner. Leg openings are provided to don and doff the item without removing the Soldier's Vapor Barrier Boots (VB Boots). The leg openings close by means of a slide fastener. This item includes an attached storage pouch. The garment is stuffed into this pouch when it is not being worn. The storage pouch fits easily in one of the ECWCS Parka pockets or the Soldier's Field Pack.

Repair information for the Arctic White Snow Camouflage Trousers may be found in WP 0030.

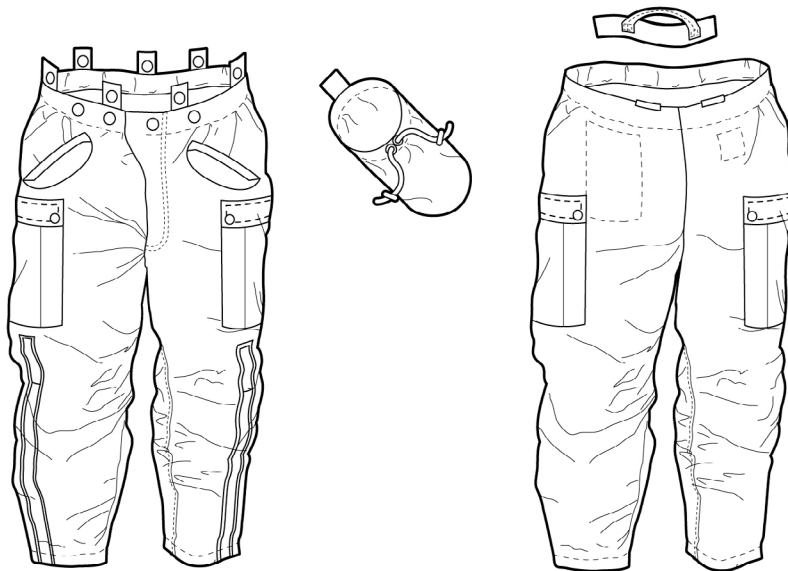


Figure 32. Arctic White Snow Camouflage Trousers.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Wet Weather Jacket and Trousers (ECWCS Gen III Cold/Wet Weather Layer). The Wet Weather Jacket and Trousers (Figure 33) provide a waterproof outer shell layer for use in prolonged and/or hard rain and cold/wet conditions. They are best used when temperatures are alternating between freezing and thawing, which creates mud and slush on the ground. Suspenders can be used with trousers if desired. The Wet Weather Jacket features a storable hood and pass-through pockets. The Wet Weather Trousers feature side zips on the lower legs to provide access when donning and doffing boots.



Figure 33. Wet Weather Jacket and Trousers (ECWCS Gen III Cold/Wet Weather Layer).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Wet Weather Poncho Liner**

The quilted Poncho Liner ties to the inside of a Poncho to provide lightweight warmth in cold, wet weather. The Liner can also be used as a blanket or, in combination with a Poncho, as a wrap-around sleeping bag. Maintenance and repair procedures are found in WP 0032.

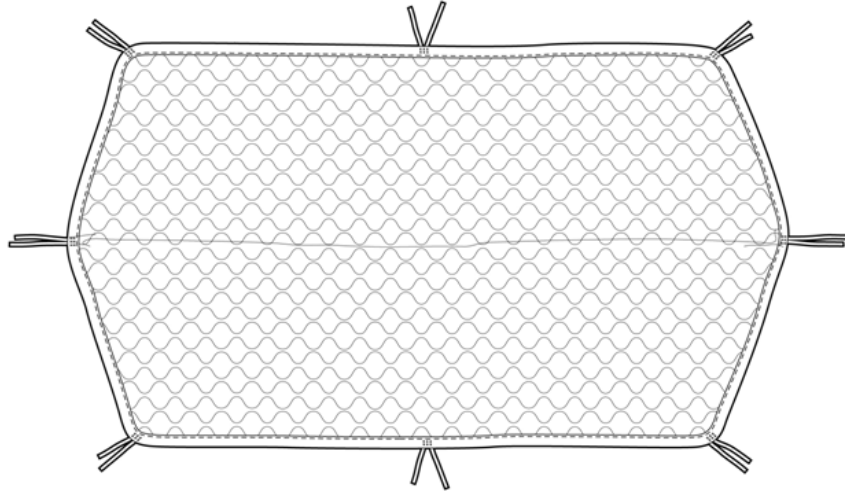


Figure 34. Wet Weather Poncho Liner.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Chemical Protective Underwear (CPU)**

The Chemical Protective Undershirt and Drawers (Figure 35) are issued separately but are intended to be worn together as a uniform. Chemical Protective Underwear is composed of state-of-the-art materials that provide chemical protection. The protective system worn under a standard duty uniform is somewhat resistant to water, petroleum, oils, and lubricants (POL). The undershirt and drawers are composed of a breathable material, which allows perspiration to escape. The undershirt is a hip-length design with a stand-up collar full-length sleeves with adjustable hook-and-loop fastener tapes, and a full-front closure with slide fastener. The drawers are a basic long-john type design.

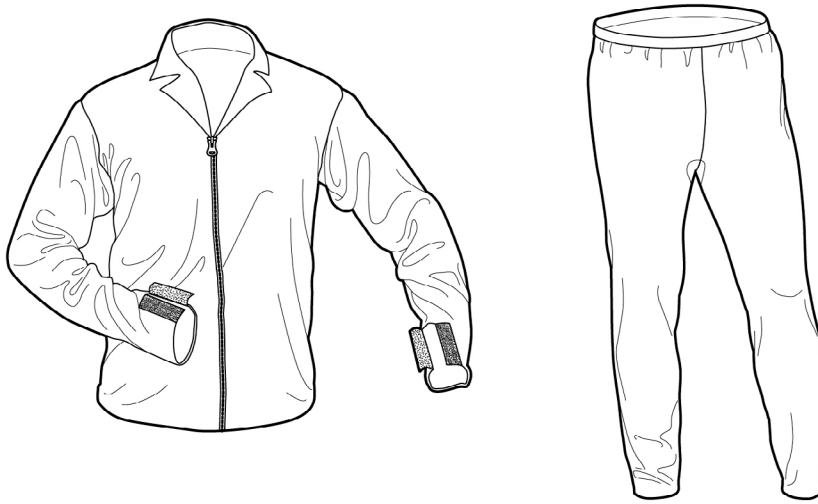


Figure 35. Chemical Protective Undershirt and Drawers.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Explosive Handler's Protective Coveralls and Rubber Knee Boots**

The Explosive Handler's Coveralls (Figure 36) are made of fire-resistant, non-static, natural or tinted neutral grey-tone color cotton sateen cloth with a button-front closure and a lattice-laced pocket located on the right hip. The coveralls are issued in sizes X-Small through X-Large.

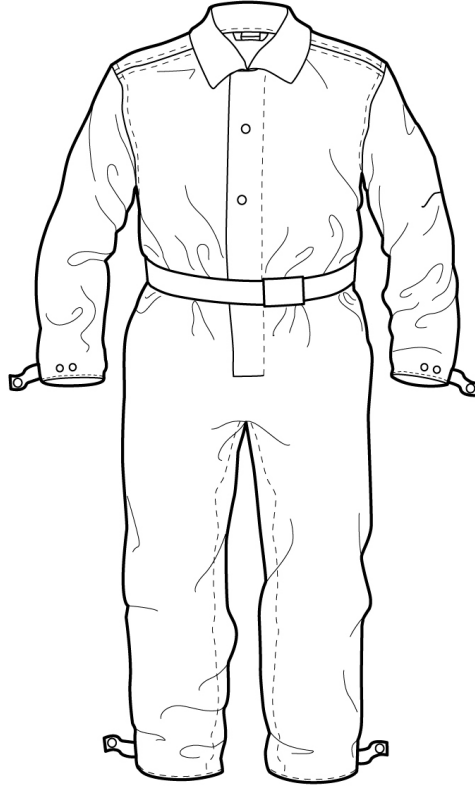


Figure 36. Explosive Handler's Coveralls.

Rubber Knee Boots

The Rocket Fuel Handler's Protective Clothing (Figure 36) consists of non-skid, knee-high rubber boots. The boots are made of plain butyl rubber and cannot withstand the effects of oxidizers and fuels. However, they are sufficiently thick to withstand some penetration. The boots are issued in sizes 5 through 15.



Figure 37. Rubber Knee Boots.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Toxicological Agent Protective Clothing**

Toxicological Agent Protective Coveralls. The Toxicological Agent Protective Coveralls (Figure 38) are made of either cotton airplane or nylon twill cloth with an impermeable butyl rubber coating and are issued in sizes Small, Medium, Large and X-Large.

The coveralls are constructed with the gusset, a keeper, and a slide fastener that is covered by a cover flap. There are two collar-adjusting straps. The sleeves have double cuffs and snap fasteners. The coveralls have an adjustable belt and the leg cuffs have an elastic strap with snap fasteners.

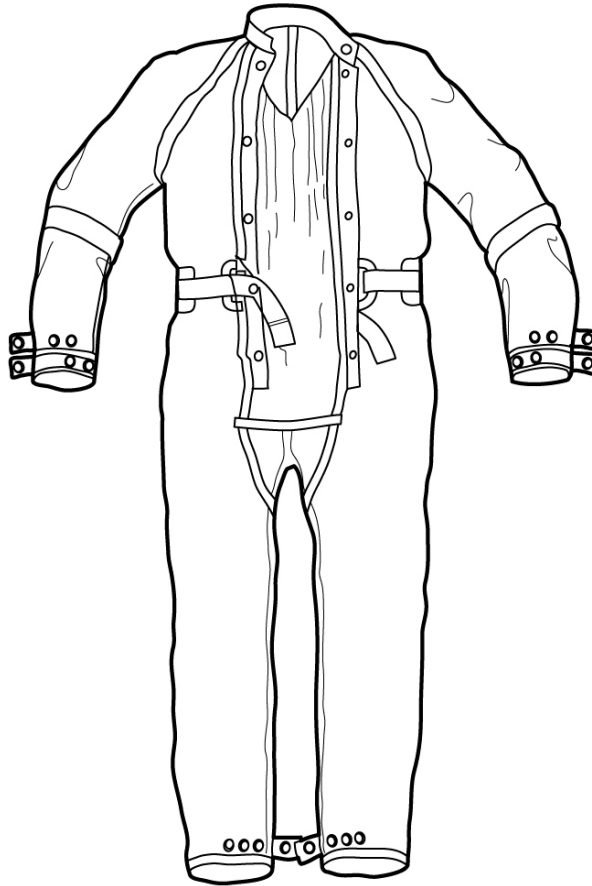


Figure 38. Toxicological Agent Protective Coveralls.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Toxicological Agent Protective Apron. The Toxicological Agent Protective Apron (Figure 39) is made of butyl rubber-coated airplane cloth or nylon and is issued in sizes X-Small through X-Large.

All sewed seams are cemented and taped to prevent leakage through needle holes. The apron is equipped with a neck strap at the top rear and the tie straps at the middle rear, the sleeves have adjusting straps for securing the sleeves over the gauntlets of the gloves.

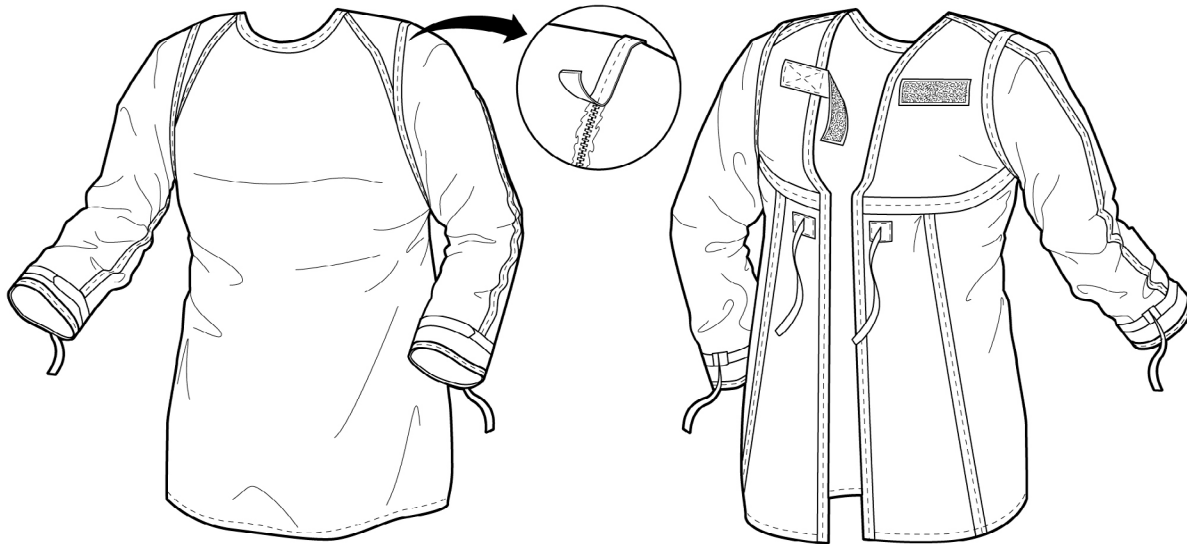


Figure 39. Toxicological Agent Protective Apron.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Camouflage Pattern Coat (Battle Dress Uniform–BDU)**

The temperate Camouflage Pattern Coat (temperate BDU Coat) (Figure 40) is fabricated of cotton and nylon twill cloth. It is a single-breasted coat style design with collar, four patch bellows-type pockets with flaps, straight-cut bottom, and sleeves with elbow patches and an adjustable closure. The pockets have sewn eyelets located in the bottom of the inner bellows piece to prevent water accumulation in the pocket. There is a pencil pocket in the left chest pocket and a pencil opening in the pocket flap to allow for storage of a pencil without unbuttoning the flap. The coat back is cut from one piece of material. The front is secured by buttons and buttonholes concealed by a fly on the left front. The pockets are also closed by buttons and buttonholes concealed within the pocket flaps. All major joining seams are of double-lapped and double-stitched construction.

The hot weather Camouflage Pattern Coat (hot weather BDU Coat) is fabricated from cotton Type III ripstop poplin cloth. It is the same design and construction as the temperate coat.



Figure 40. Camouflage Pattern Coat (BDU).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Camouflage Pattern Trousers (BDU Trousers)**

The Camouflage Pattern Trousers (temperate BDU Trousers) (Figure 41) are fabricated from cotton and nylon twill cloth. The trousers have a grown-on waistband with two buckle waist adjustment tabs, two side and hip inside hanging pockets, two bellows-type pockets, a button front fly, seat patch, knee patches, and leg hem drawcords. The cargo pockets have one sewn eyelet located at the bottom back end of the pocket. The hip and cargo pocket flaps are closed with buttons and buttonholes concealed within the flaps.

The Hot Weather Camouflage Pattern Trousers (Hot Weather BDU Trousers) are fabricated from cotton Type III ripstop poplin cloth. The trousers are of the same design and construction as the temperate trousers.

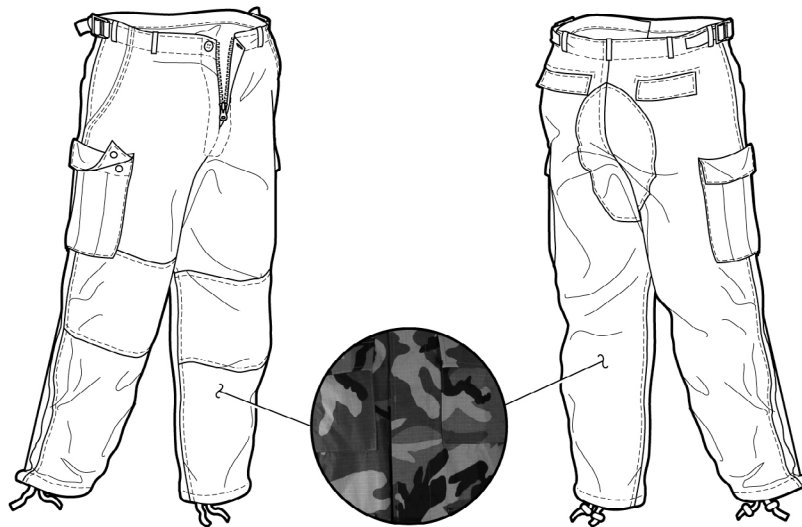


Figure 41. Camouflage Pattern Trousers.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Army Combat Uniform (ACU)**

Combat Coat (ACU). This coat is designed to be worn for combat or training, in a temperate climate. It is woven of ripstop, wind-resistant poplin. The sleeves and collar have adjustable hook and loop closures; the front features a slide fastener with a hook and loop covering. Slanted chest pockets are located on the chest, while cargo pocket can be found on each sleeve. As shown in the figure below, a pencil pocket is positioned at the bottom of the sleeve.

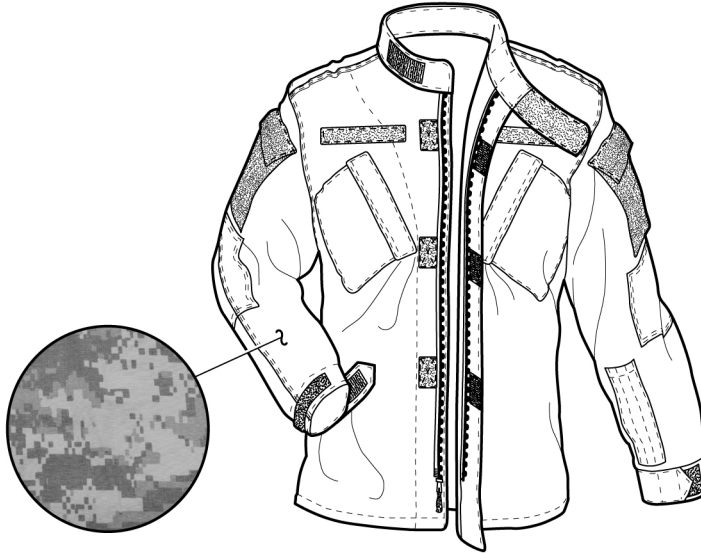


Figure 42. Combat Coat (ACU).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Combat Trousers (ACU). These trousers are fashioned from ripstop, wind-resistant poplin fabric. They feature slash pockets on left and right side hips; welt pockets with a button closure on the back hips; and left and right thigh cargo pockets with elastic pull cord, barrel lock, and hook and loop closures. Cargo pockets with a hook and loop closure are also found on the lower legs.

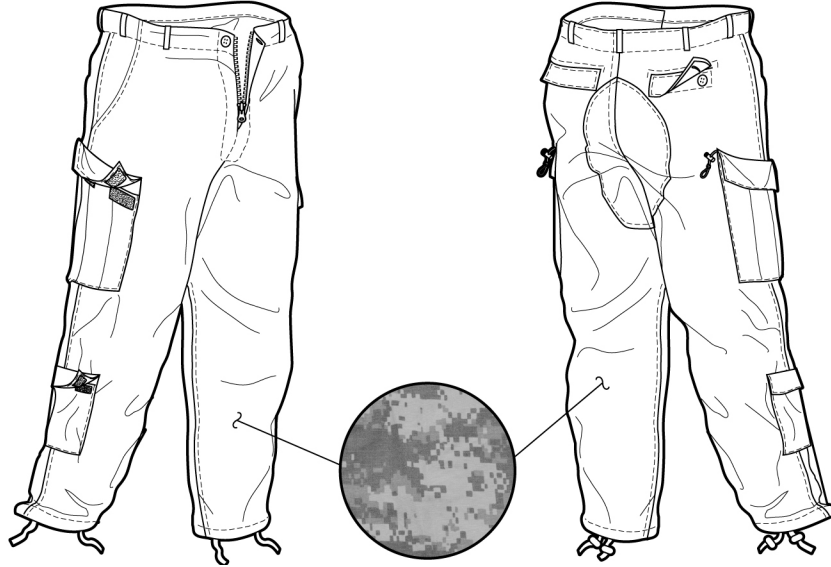


Figure 43. Combat Trousers (ACU).

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Woman's Maternity Work Uniform**

Maternity Coat. The Maternity Coat (Figure 44) is fabricated of wind-resistant poplin cotton. It is a single-breasted coat style design with collar, two patch pockets with flaps, straight-cut bottom, adjustable cuff tabs and side body panels with tabs. The coat back is cut from one piece of material. The front is secured by buttons and buttonholes concealed by a flap on the left front. The pockets are also closed by hook and loop fastener tape. All major joining seams are of a double-lapped and double-stitched construction.

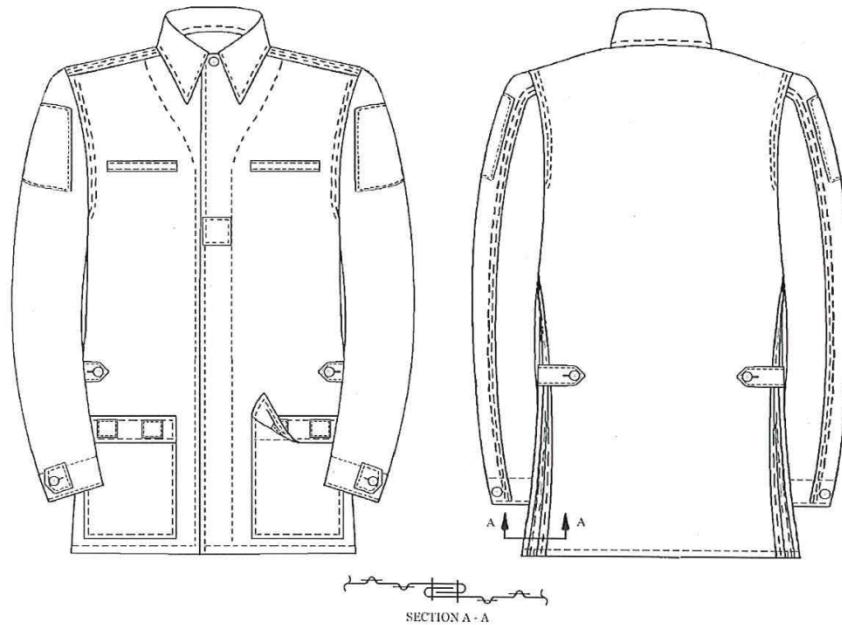


Figure 44. Woman's Maternity Coat.

Maternity Slacks. The Maternity Slacks (Figure 45) are fabricated of wind-resistant poplin cotton. The slacks have an elasticized waistband, a front stretch panel, and two side pockets with flaps that are closed with hook and loop fastener tape. All major joining seams are of a double-lapped and double-stitched construction.

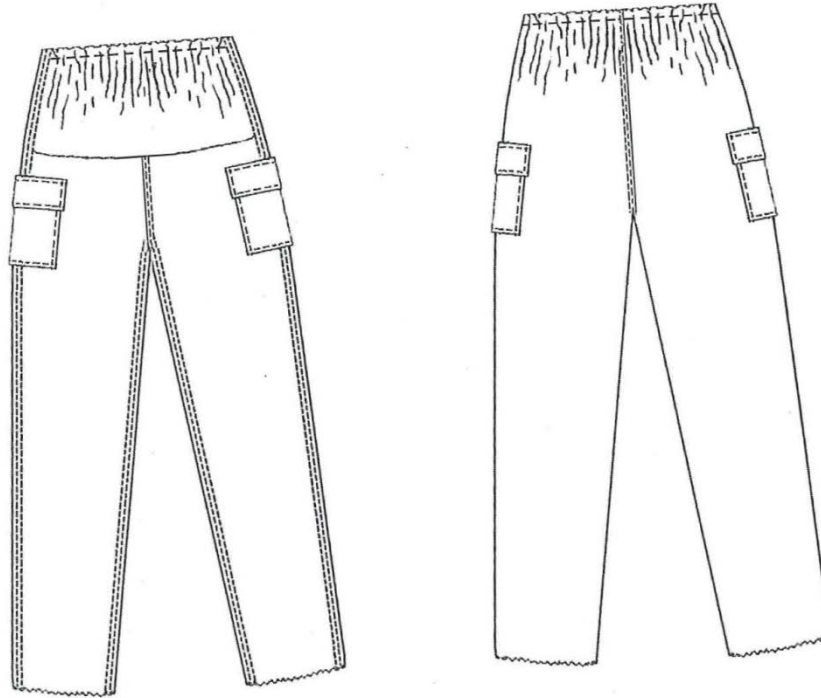


Figure 45. Woman's Maternity Slacks.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED**Headgear**

Cold Weather Cap. The Cold Weather Cap (Figure 46) is fabricated essentially of cotton wrap and nylon-filled Oxford cloth, Olive Green Shade 107 or woodland camouflage pattern. The earflaps are lined with knitted nylon fleece cloth, and the crown is lined with acrylic cloth.

Repair information for the Cold Weather Cap may be found in WP 0041.

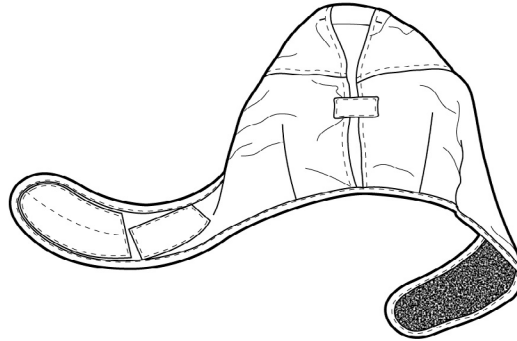


Figure 46. Cold Weather Cap.

Camouflage Pattern Cap. The Camouflage Pattern Cap (Figure 47) is fabricated essentially of cotton wrap and nylon-filled 5.3-ounce Oxford cloth, woodland camouflage pattern with visor. The earflaps are lined with wool and nylon flannel. It is intended for wear with the Temperate Battledress Uniform.

Repair information for the Camouflage Pattern Cap may be found in WP 0041.

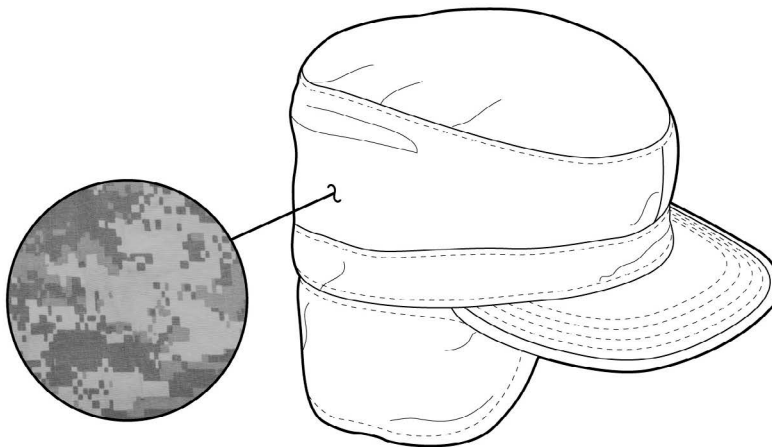


Figure 47. Camouflage Pattern Cap.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Patrol Cap. The Patrol Cap (Figure 48) is made of 50% nylon and 50% cotton ripstop poplin cloth printed in UCP or OCP and treated with a water-repellent finish. The cap is available in 18 sizes with 1/8-inch increments from sizes 6 3/8 through 8 1/2. The circumference of the cap is graded in 3/8-inch increments

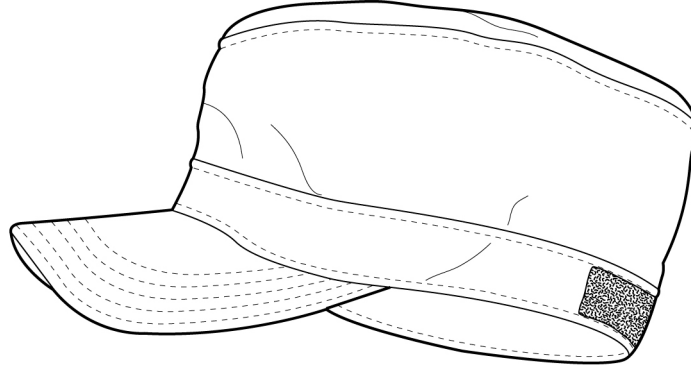


Figure 488. Army Combat Uniform Patrol Cap.

Sun Hat. The Sun Hat (Figure 49) is made of lightweight, water-repellent cotton, has a low slope crown with semi-rigid interlined brim, an adjustable chin strap, screened eyelets on each side of crown, and a headband with slots for insertion of camouflage material. The hat is available in 14 sizes from 6-3/8" to 8".

Repair information for the Sun Hat may be found in WP 0041.

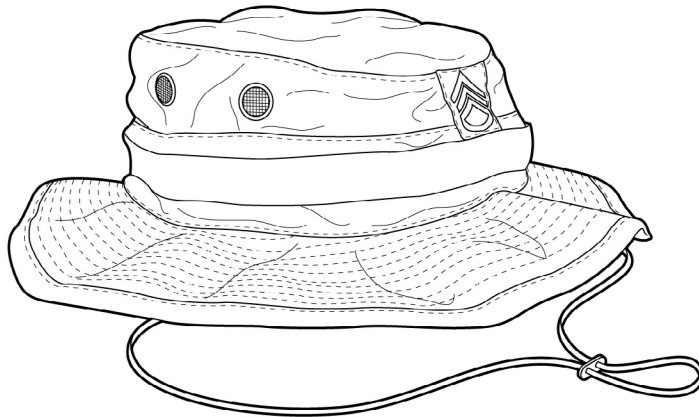


Figure 49. Sun Hat.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Extreme Cold Weather Hood with Fur Ruff. This Extreme Cold Weather Hood with Fur Ruff (Figure 50) is fabricated essentially of cotton wrap and nylon-filled 5.3-ounce Oxford cloth, Olive Green Shade 107, with fur ruff and is designed for wear in extremely cold climates. It is an adjustable head covering that is worn over any combination of headgear. The hood is issued in only one size and should be adjusted to fit.

Repair information for the Extreme Cold Weather Hood with Fur Ruff may be found in WP 0041.

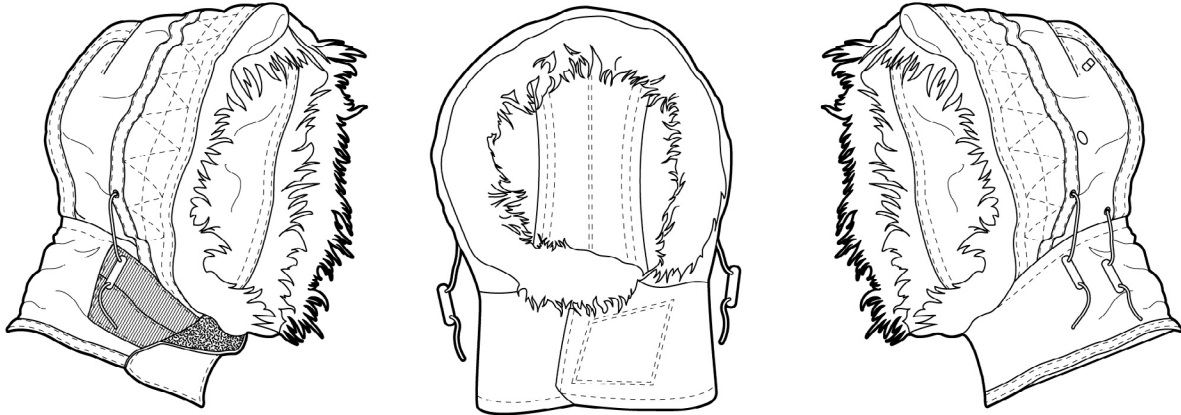


Figure 49. Extreme Cold Weather Hood with Fur Ruff.

END OF WORK PACKAGE

**CLOTHING
THEORY OF OPERATION**

Soldiers are required to perform many different tasks related to their Military Occupational Specialty (MOS), as well as each individual soldier's responsibilities within the unit. Soldiers, therefore, require a wide variety of equipment in order to accomplish their tasks and missions under various climactic conditions. The most basic equipment issued to every soldier is the uniform.

Uniforms are designed to provide the soldier with comfortable, functional clothing necessary for any duty, any task, and any mission. To support the soldier, uniforms must be kept in good repair or replaced as needed. On receipt of clothing, the individual items are inspected, assessed, and then classified for serviceability, which in turn determines the disposition of the item.

END OF WORK PACKAGE

CHAPTER 2

**PREVENTIVE MAINTENANCE
CHECKS AND SERVICES (PMCS) INFORMATION**

FOR

CLOTHING

**FIELD MAINTENANCE
PREVENTIVE MAINTENANCE CHECKS AND SERVICES INTRODUCTION**

GENERAL

The following information describes Preventive Maintenance Checks and Services (PMCS) procedures for clothing. The PMCS table has been provided to ensure that clothing is in proper operating condition and ready for use. This PMCS chart should be used in conjunction with the serviceability criteria in WP 0007.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)**Frequency of Performing PMCS**

PMCS will be performed before equipment is used, during modification and repair, after use, or at any time deemed necessary.

PMCS Columnar Entries Table 1

Item Number: The item number column shall be used as a source of the item number required for the TM Number column on DA Form 2404 (Equipment Inspection and Maintenance Worksheet), when recording the results of the PMCS.

Interval: This column identifies the required PMCS interval.

Item to be inspected: This column contains the common name of the item to be inspected.

Procedures: This column provides a brief description of the procedures by which the checks are to be performed.

Recording Defects

All defects discovered during the inspection will be recorded using the applicable specifics in DA PAM 750-8 and DA PAM 738-751.

Corrosion Prevention and Control (CPC)

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

Corrosion specifically occurs with metals. It is an electrochemical process that causes the degradation of metals. It is commonly caused by exposure to moisture, acids, bases, or salts. An example is the rusting of iron. Corrosion damage in metals can be seen, depending on the metal, as tarnishing, pitting, fogging, surface residue, and/or cracking.

Plastics, composites, and rubbers can also degrade. Degradation is caused by thermal (heat), oxidation (oxygen), solvation (solvents), or photolytic (light, typically UV) processes. The most common exposures are excessive heat or light. Damage from these processes will appear as cracking, softening, swelling, and/or breaking.

SF Form 368, Product Quality Deficiency Report, should be submitted to the address specified in DA PAM 750-8, The Army Maintenance Management System (TAMMS) Users Manual.

END OF WORK PACKAGE

**FIELD MAINTENANCE
PREVENTIVE MAINTNANCE CHECKS AND SERVICES (PMCS)**

INITIAL SETUP:**Tools and Special Tools**

N/A

Personnel Required

Non-MOS Specific

Equipment Condition

Equipment laid out on a clean work surface.

References

Work Packages 0008 through 0041

GENERAL

The following describe PMCS procedures on the maintainer and sustainment level. The PMCS table has been provided to ensure the clothing is in proper operating condition, and ready for its primary mission.

PMCS PROCEDURES

Table 1. Preventive Maintenance Checks and Services for Clothing.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	Before Issue At Turn-In	CVC Overalls	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0008.
2	Before Issue At Turn-In	CVC Coveralls	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0009
3	Before Issue At Turn-In	CVC Coveralls Shirt and Trouser Liners	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0010.

PMCS PROCEDURES – CONTINUED

Table 1. Preventive Maintenance Checks and Services for Clothing – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
4	Before Issue At Turn-In	Flyer's Coveralls	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0011.
5	Before Issue At Turn-In	Flyer's Jacket and Cold Weather Jacket	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0012.
6	Before Issue At Turn-In	Combat Gloves and Flyers' Gloves	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0013.
7	Before Issue At Turn-In	Combat Coat and Trousers	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0014.
8	Before Issue At Turn-In	Cold Weather Parka and Trousers (ECWCS Gen I)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged. Check for seam tape separation.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0015.

PMCS PROCEDURES – CONTINUED

Table 1. Preventive Maintenance Checks and Services for Clothing – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
9	Before Issue At Turn-In	Cold Weather Coat and Trousers Liners (ECWCS Gen I)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0016.
10	Before Issue At Turn-In	Cold Weather Fiberpile Shirt and Overalls (ECWCS Gen I)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0017.
11	Before Issue At Turn-In	Cold Weather Polypropylene Undershirt and Drawers (ECWCS Gen I)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0018.
12	Before Issue At Turn-In	Cold Weather Hood and Parka Ruff (ECWCS Gen I)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0019.
13	Before Issue At Turn-In	Extreme Cold Weather Parka and Trousers (ECWCS Gen III)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0020.

PMCS PROCEDURES – CONTINUED

Table 1. Preventive Maintenance Checks and Services for Clothing – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
14	Before Issue At Turn-In	Wet Weather Jacket and Trousers (ECWCS Gen III Cold/Wet Weather Layer)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged. Check for dry rot.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0021.
15	Before Issue At Turn-In	Cold Weather Jacket and Trousers (ECWCS Gen III Soft Shell Jacket and Trousers)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0022.
16	Before Issue At Turn-In	Cold Weather (Wind) Jacket and Fleece Jacket (ECWCS Gen III)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0023.
17	Before Issue At Turn-In	Cold Weather Mid-Weight Shirt and Drawers (ECWCS Gen III)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0024.
18	Before Issue At Turn-In	Cold Weather Lightweight Undershirt and Drawers (ECWCS Gen III)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0025.

PMCS PROCEDURES – CONTINUED

Table 1. Preventive Maintenance Checks and Services for Clothing – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
19	Before Issue At Turn-In	Cold Weather Coat	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0026.
20	Before Issue At Turn-In	Extreme Cold Weather Parka without Hood	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0027.
21	Before Issue At Turn-In	Extreme Cold Weather Parka Liner	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0028.
22	Before Issue At Turn-In	Cold Weather Trousers	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0029.
23	Before Issue At Turn-In	Snow Camouflage Parka and Trousers	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0030.

PMCS PROCEDURES – CONTINUED

Table 1. Preventive Maintenance Checks and Services for Clothing – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
24	Before Issue At Turn-In	Wet Weather Parka and Trousers	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0031.
25	Before Issue At Turn-In	Wet Weather Poncho Liner	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0032.
26	Before Issue At Turn-In	Chemical Protective Undershirt and Drawers	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0033.
27	Before Issue At Turn-In	Explosive Handler's Protective Coveralls and Rubber Knee Boots	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0034.
28	Before Issue At Turn-In	Toxicological Agents Protective Coverall and Apron	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0035.

PMCS PROCEDURES – CONTINUED

Table 1. Preventive Maintenance Checks and Services for Clothing – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
29	Before Issue At Turn-In	Camouflage Pattern Coat (BDU)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0036.
30	Before Issue At Turn-In	Camouflage Pattern Trousers (BDU)	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0037.
31	Before Issue At Turn-In	Army Combat Uniform Coat and Trousers	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0038.
32	Before Issue At Turn-In	Army Combat Uniform Patrol Cap	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out loop fastener tape. There is any broken or deformed hardware. See WP 0039.
33	Before Issue At Turn-In	Maternity Coat and Slacks	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0040.

PMCS PROCEDURES – CONTINUED

Table 1. Preventive Maintenance Checks and Services for Clothing – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
34	Before Issue At Turn-In	Headgear: Cold Weather Cap, Camouflage Pattern Cap, Sun Hat, Extreme Cold Weather Hood with Fur Ruff	Inspect for rips, tears, loose binding, and loose or broken stitching, damaged drawstrings, oil, grease, and stains. Check that all hook-and-pile tapes are undamaged. Check that all plastic and metal hardware is serviceable and undamaged.	The equipment has rips, tears, loose bindings, and loose or broken stitching, damaged drawstrings, oil, grease, or other unwashable stains. The equipment has missing or worn-out hook-and-pile fastener tape. There is any broken or deformed hardware. See WP 0041.

MANDATORY REPLACEMENT PARTS

There are no mandatory replacement parts required for these PMCS procedures.

END OF WORK PACKAGE

CHAPTER 3
FIELD MAINTENANCE
FOR
CVC AND FIRE-RESISTANT CLOTHING

**FIELD MAINTENANCE
SERVICE UPON RECEIPT**

INITIAL SETUP:**Tools and Special Tools**

None required

Personnel Required

Non-MOS Specific (1)

Materials/Parts

None required

References

WP 0005

WP 0007

SERVICE UPON RECEIPT

All clothing will be thoroughly inspected upon receipt, whether new or used, in accordance with (IAW) WP 0005, PMCS, and WP 0007, Serviceability Criteria.

END OF TASK**END OF WORK PACKAGE**

**FIELD MAINTENANCE
CLOTHING
INSPECT**

Soldiers are required to perform many different tasks related to their MOS, as well as each individual soldier's responsibilities within the unit. Soldiers, therefore, require a wide variety of equipment in order to accomplish their tasks and missions. The most basic equipment issued to every soldier is his or her uniform.

Uniforms are designed to provide the soldier with comfortable, functional clothing necessary for any duty, any task, and any mission. To support the soldier, uniforms must be kept in good repair or replaced as needed. On receipt of clothing, the individual items are inspected, assessed, and then classified for serviceability, which in turn determines the disposition of the item. Table 1 lists the classification codes along with the defining criteria.

Table 1. Item Classification Codes and Criteria.

CODE	EXPLANATION
A	New and unused property possessing original appearance and serviceability.
B	Serviceability as to be acceptable for issue or sale in lieu of Class A, like-new property. <ol style="list-style-type: none"> 1. Items peculiar to the clothing allowance system will possess a high degree of appearance and serviceability. These items affect the personal appearance of the individual and should be in such condition as to be readily acceptable for issue and cash sale purposes. In no case should the wear expectancy be less than 75 percent of a like-new item. 2. Items of organizational clothing and equipage will possess such appearance and degree of serviceability as to justify their issue to troops and afford a satisfactory military appearance. As a guide only and where practicable for application, these items should possess not less than 50 percent of the life of a like-new item.
F	Unserviceable items which are economically repairable. Economically repairable items are those which may be restored to Class B condition for not more than 65 percent (clothing) or equipage of prices contained in current Army Master Data File.
H	Unserviceable items which are obviously scrap or salvage, for which any use would require a repair cost exceeding 65 percent for clothing or equipage of the current cost of the item.
X	Items which do not possess the appearance or degree of serviceability to justify the classification of B or which cannot be repaired economically for the purpose originally intended but which can be used as an end item (without benefit of repair) for duties that are harmful to clothing (i.e., mechanics, painters, construction workers, etc.).

As a general guide, classification of all clothing and equipment items will be subject to the stipulations and limitations listed here.

Items of personal clothing and footwear will be classified as new only when they show no evidence of color fading, stains, uncleanliness, and/or rotting of stitching or fabric.

Each item will be complete in every detail, and all parts properly designed and attached. A new item which has been tried on for size purposes, or from which the tags have been removed, will not be classed as used; nor will such items be soiled to the extent that dry cleaning or laundering is required.

When dry cleaning or laundering is required, garment will be reclassified from new to a used category. Only pressing of new garments or polishing of new leather footwear does not lower the classification.

NOTE

The Universal Camouflage Pattern, Woodland Temperate, Daytime Desert, and Hot Weather Camouflage Clothing and Individual Equipment items will be considered serviceable from a fading standpoint if the pattern is visually discernible and the colors are still subdued in nature.

Fading that does not cause conspicuous deviation from original shade will be permitted for work-type garments.

Personal Clothing General Inspection Criteria. Items of personal clothing and footwear will require the following for classification in a serviceable category (A or B):

- Complete state of repair. All repairs necessary to render the item completely serviceable will have been made.
- Cleaned. Must be in a clean (laundered, dry cleaned, or sterilized) condition.
- Hook-and-pile tape fasteners. All hook-and-pile tape fasteners must be functional and of the correct color for the uniform. The tape shall not be frayed or worn.
- Buttons. Replacement buttons visible on outer garments when worn should be of a size, shape, and color like those originally affixed. Buttons that are not visible when a garment is being worn need not be specifically of the same color but should be of the same size.
- Buttonholes. Buttonholes should not be enlarged or ripped.
- Frayed edges. No edge should appear ragged due to worn or broken threads.
- Linings. Linings in all outer garments must be in a complete state of repair. Repair may include minor patches. The patch does not have to exactly match the color of the lining, but it should be reasonably similar in color.
- Patches and darns. Patches and darns should not be visible on outer dress clothing when worn.
- Pockets. Pockets must be clean and in a complete state of repair. Any repairs will be of a wear expectancy similar to that of the remainder of the garment. Replaced pockets must be of a size consistent with those originally in garment.
- Belt loops. All belt loops on trousers will be the same as on any new garment of a like make, including shade, material, and number.
- Fading. Except for those items designed as work-type garments, there should be no obvious fading.
- Insignia marks. Chevron, overseas service organizational shoulder, or other insignia marks caused by fading or discoloration will prohibit serviceable classification. Insignia marks which are not conspicuous will be permitted on work-type garments.
- Identification marks. Marks of identification include those made at issue point and those made by individuals. These should be lined out or obliterated. A mark is considered obliterated when its cancellation is readily evident.
- Spots and stains. Spots and stains should not be easily discernible at a casual glance when the garment is being worn.
- Hardware. Hardware will not be bent, broken, or missing. Bright and shiny hardware will not disqualify items from a serviceable classification.

Organizational Clothing General Inspection Criteria. Items of organizational clothing and equipment will require the following for classification in serviceable condition codes (A or B):

- Complete state of repair.
- Cleaned. Must be in a clean (laundered, dry cleaned, sterilized, or painted) condition.
- Hook-and-pile tape fasteners. All hook-and-pile tape fasteners must be functional and of the correct color for the uniform. The tape shall not be frayed or worn.
- Buttons. Replacement buttons visible on outer garments when worn should be of a size, shape, and color like those originally affixed. Buttons that are not visible when a garment is being worn need not be specifically of the same color but should be of the same size.
- Buttonholes. Buttonholes should not be enlarged or ripped.
- Fasteners. Fasteners should all be present and of the same size originally affixed to item.
- Frayed edges. Frayed edges of an inconspicuous or minor nature will be permitted.
- Linings. Linings in all outer garments must be in a complete state of repair. Repair may include minor patches. The patch does not have to match exactly the color of the lining, but it should be reasonably similar in color.
- Patches and darns. Patches and darns will be permitted, provided their color is similar to that of the original material.
- Pockets. Pockets must be clean and in a complete state of repair. Any repairs will be of a wear expectancy similar to that of the remainder of the garment. Replaced pockets must be of a size consistent with those originally in garment.
- Belt loops. All belt loops on trousers will be the same as on any new garment of a like make, including shade, material, and number.
- Fading. Fading will be permitted.
- Identification marks. Marks of identification include those made at issue point and those made by individuals. These should be lined out or obliterated. A mark is considered obliterated when its cancellation is readily evident.
- Spots and stains.
 - Items worn by individuals. Small paint, grease, or other spots or stains will be permitted if garment or other item is otherwise completely serviceable.
 - All other organizational items. Spots and stains will not be considered a determining factor in classifying this category of property if such spots and stains are of a minor nature.
- Hardware. Hardware will not be bent, broken, or missing. Bright and shiny hardware will not disqualify items from a serviceable classification.

NOTE

These item classification criteria apply to only Central Issue Facility (CIF), Organizational Clothing and Individual Equipment (OCIE) and Central Initial Issue Point. Army military clothing sales stores are not affected by these item classification criteria.

- Footwear (shoes and boots). Shoes and boots can be reissued if footwear is treated with a fungicidal spray designed for shoes and boots (procured locally) and is in like-new condition, free from obvious stretching or creasing of leather upper. Indentations in the insoles of footwear caused by minimal wear are acceptable and suitable for Code A (See Table 1). This also applies to rubber and canvas footwear and men's leather ski boots.

Disposition of Distinctive Items of Uniform (AR 670-1). Decorations, badges, service awards, medals, ribbons, lapel buttons and other insignia and items of uniform, to include items cited in AR 670-1, will be mutilated to remove their distinctive characteristics prior to turn-in to the Defense Reutilization and Marketing Office (DRMO). Property will be turned in as scrap.

Items not considered distinctive will be turned in to the DRMO after the removal of distinctive buttons, insignia, and other such items, for disposition in accordance with DOD 4160.21M.

Inspection and Classification Procedures for Individual Organizational Equipment. Instructions in this paragraph will be used as a guide in making inspections of clothing and individual equipment in the hands of units or individuals for the purpose of determining serviceability and repair eligibility.

NOTE

Restitching of open seams is NOT to be counted as a tear with no limitation in length.

Maximum repairs mean the number of repairs authorized on an item each time it is turned in for repair.

Additional repairs are authorized as long as expenditure limits do not exceed 65 percent replacement cost. Refer to TB 43-0002-27, Maintenance Expenditure Limits.

1. Cap, Cold Weather (D03476)
 - a. Inspect for rips, tears, holes, fraying, burns, grease, oil, other contaminants, and discoloration.
 - Code A. See Table 1.
 - Code B. Complete and clean. No damage.
 - Code F. No repairs authorized.
 - Code H. Any damage. Any contamination that cannot be cleaned.
 - b. No repairs authorized.
2. Coat, Combat and Trousers (C68790)
 - a. Inspect for rips, tears, stains, holes, and burns. Check zippers, snaps, and hook-and-pile fastener tapes for damage. Check for worn and faded areas.
 - Code A. See Table 1.
 - Code B. Used items that are not suitable for Code A but are clean, undamaged, and have no more than three repaired areas (not including replacing zippers, snaps, and fastener tapes). Slight fading is acceptable.
 - Code F. Unserviceable items that can be repaired (not more than three repaired areas, maximum length of repair 4 inches) or by replacing zippers, snaps, and fastener tapes. Slight fading is acceptable.
 - Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
 - b. Refer to WP 0014 for maintenance procedures.
3. Coat, Woman's Maternity Coat and Slacks (C45280)
 - a. Check for rips, tears, worn areas, altered length or tops, missing or damaged buttons, discoloration, soiled area, and dry rot.
 - Code A. New and unused items possessing original appearance and serviceability.
 - Code B. Used items not suitable for Code A but are clean, undamaged, unstained, and have no more than two small repaired areas.
 - Code F. Unserviceable items that can be repaired (no more than two repaired areas with a maximum diameter of 1/2 inch) by replacing missing or damaged button, unstitching of button holes and seams.

- Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
- b. Refer to WP 0040 for maintenance procedures.
4. Coveralls, Flyer's (F32124)
- a. Inspect for rips, tears, holes, stains, and burns. Check zippers, snaps, hook-and-pile fasteners, and waist adjusting straps for damage. Check for worn and faded areas.
- Code A. New and unused items possessing original appearance and serviceability.
- Code B. Used items that are not suitable for Code A but are clean, undamaged, unstained, and have no more than five repaired areas (not including replacing zippers, snaps, and hook-and-pile fasteners). Slight fading is acceptable.
- Code F. Unserviceable items that can be repaired (no more than five repaired areas with a maximum length of repair of 4 inches) or by replacing zippers, snaps, and hook-and-pile fasteners. Slight fading is acceptable.
- Code H. Unserviceable items that do not meet the criteria for Code F or are obviously scrap.
- b. Refer to WP 0011 for maintenance procedures.
5. Drawers, Cold Weather, Polypropylene (D49418)
- a. Inspect for rips, tears, stains, discoloration, and cleanliness.
- Code A. See Table 1.
- Code B. Must be complete, clean, unstained, and have no rancid smell or bad odor.
- Code F. No repairs authorized.
- Code H. Any damage or contamination that cannot be cleaned.
- b. No repairs are authorized.
6. Hood, Extreme Cold Weather (K46058)
- a. Inspect item for rips, tears, holes, burns, oil, grease, and other contaminants. Check for missing or damaged drawstring, buttons, buttonholes, and hook-and-pile fasteners. Check liner for fraying, burned areas, dry rot, and broken or bent wires.
- Code A. See Table 1.
- Code B. Complete and clean. No damage.
- Code F. No repairs authorized.
- Code H. Any damage. Any contamination that cannot be cleaned.
- b. No repairs are authorized.
7. Liner, Cold Weather Coat and Trousers (L70172)
- a. Inspect for holes, rips, tears, burns, oil, grease, and other contaminants.
- Code A. New and unused items possessing original appearance and serviceability.
- Code B. Used items that are not suitable for Code A; must be clean and have no more than six repaired areas. Discoloration is acceptable provided that item resembles original color intent (not bleached).
- Code F. Unserviceable items that can be repaired by sewing or patching. Seam separation can be repaired. Rips or tears in other areas can be no longer than 6 inches. No more than six patches per item. Burned areas exceeding 3 inches are not repairable. Repairs that alter the length or width will require the item to be marked to meet the next closest size.
- Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
- b. Refer to WP 0016 for maintenance procedures.

8. Liner, Extreme Cold Weather Parka (L70720)
 - a. Inspect for holes, rips, tears, burns, damaged button holes, oil, grease, and other contaminants.

Code A. New and unused items possessing original appearance and serviceability.

Code B. Used items that are not suitable for Code A, are clean, and have no more than six repaired areas.

Code F. Unserviceable items that can be repaired by sewing or patching. Any seam separation can be repaired. Rips or tears in other areas can be no longer than 6 inches and no more than six repairs per item. Burned areas exceeding 3 inches are not repairable. Discoloration is acceptable provided the item resembles original color intent (not bleached). Repairs that alter length or width will cause the item to be marked to the next closest size.

Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
 - b. Refer to WP 0028 for maintenance procedures.
9. Overalls, Cold Weather (P56983)
 - a. Inspect for rips, tears, damaged or missing zippers, hanger loop, buckles, and suspenders.

Code A. See Table 1.

Code B. Complete and clean. No damage.

Code F. No repairs authorized.

Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
 - b. No repairs authorized.
10. Parka, Cold Weather without Hood (N69904)
 - a. Inspect for rips, tears, damaged or missing zippers, snaps, and drawstrings. Check for discoloration, dry rot, and fraying.

Code A. New and unused items possessing original appearance and serviceability.

Code B. Used items that are not suitable for Code A but are clean, complete, undamaged, and have no more than six repaired areas. Minimal discoloration or slight fraying is acceptable.

Code F. Unserviceable items that can be repaired (maximum six repairs per garment and maximum length of repair 4 inches) by replacing missing or damaged zippers, snaps, and drawstrings. Some discoloration and minimal soiling are acceptable.

Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
 - b. Refer to WP 0027 for maintenance procedures.
11. Parka, Extended Cold Weather, Camouflage (P69699)
 - a. Inspect for rips, tears, damaged or missing zippers, snaps, drawstrings, and hook-and-pile fastener tapes. Check for discoloration, dry rot, and fraying.

Code A. New and unused items possessing original appearance and serviceability.

Code B. Used items that are not suitable for Code A, but are clean, undamaged, and serviceable.

Code F. Unserviceable items that can be repaired (maximum five repairs and maximum length of repair totaling 15 inches in length) by replacing missing or damaged snaps, drawcords, pockets, pocket flaps, hangers, elastic webbing, and bartack. Some discoloration and minimal soiling are acceptable. Replacement of zipper and repair of zipper is authorized.

Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
 - b. Refer to WP 0015 for maintenance procedures.

12. Parka, Wet Weather (N70110)
- a. Check for rips, tears, holes, dry rot, and damaged or missing hook-and-pile fasteners, grommets, drawstrings, or zipper.
Code A. See Table 1.
Code B. Complete, clean, and undamaged except for small cuts and cracks that do not impair serviceability.
Code F. No repairs authorized.
Code H. Any damage or contamination that cannot be cleaned.
 - b. No repairs authorized.
13. Shirt, Cold Weather, Fiberpile (S03222)
- a. Inspect for rips, tears, damaged or missing zippers, loose or broken stitching, missing or torn draw cords, eyelets, loops, pocket flaps, and pockets.
Code A. New and unused items that possess original appearance and serviceability.
Code B. Unused items that are not suitable for Code A but are clean, unstained, undamaged, and have no more than five repaired areas.
Code F. Unserviceable items that can be repaired by replacing missing or damaged pockets, zippers, loops, and pocket flaps or restitching or that have ripped seams or loose stitching.
Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
 - b. Refer to WP 0017 for maintenance procedures.
14. Trousers, Combat (T57006)
- a. Inspect for rips, tears, stains, holes, and burns. Check zippers, snaps, hook-and-pile fastener tapes for damage. Check for worn and faded areas.
Code A. See Table 1.
Code B. Used items that are not suitable for Code A but are clean, undamaged, and have no more than three repaired areas (not including replacing zippers, snaps, and fastener tapes). Slight fading is acceptable.
Code F. Unserviceable items that can be repaired (not more than three repaired areas with a maximum length of repair of 4 inches) or by replacing zippers, snaps, and fastener tapes. Slight fading is acceptable.
Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
 - b. Refer to WP 0014 for maintenance procedures.
15. Trousers, Cold Weather, Cotton/Nylon (X35057 and X36109)
- a. Inspect for rips, tears, worn areas, missing or damaged belt loops, buttons, snaps, zippers, drawstrings, and leg straps. Check for discoloration, soiling, and dry rot.
Code A. See Table 1.
Code B. Complete and clean. No damage.
Code F. No repairs authorized.
Code H. Any damage or contamination that cannot be cleaned.
 - b. No repairs authorized.

16. Trousers, Extended Cold Weather, Camouflage (T35375)
- a. Inspect for rips, tears, damaged or missing zippers, snaps, drawstrings, and barrel lock and missing or damaged hook-and-pile fastener tapes.
Code A. New and unused items possessing original appearance and serviceability.
Code B. Used items that are not suitable for Code A but are clean, undamaged, and have no more than five repaired areas.
Code F. Unserviceable items can be repaired (maximum five repairs and maximum length of repairs totaling 15 inches in length) by replacing missing or damaged snaps, drawcords, suspender, loops and hook-and-pile fastener tapes. Replacement and repair of zippers is authorized.
Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
 - b. Refer to WP 0015 for maintenance procedures.
17. Trousers, Wet Weather (N37752)
- a. Inspect for rips, tears, holes, dry rot, and missing or damaged hook-and-pile fasteners, drawstrings, and waist loops.
Code A. See Table 1.
Code B. Complete and clean. No damage.
Code F. No repairs authorized.
Code H. Any damage or contamination that cannot be cleaned.
 - b. No repairs authorized.
18. Undershirt, Cold Weather, Polypropylene (U86178)
- a. Inspect for rips, tears, damaged or missing zipper, stains, discoloration, and cleanliness.
Code A. New and unused items that possess original appearance and serviceability.
Code B. Used items that are not suitable for Code A but are clean, unstained, undamaged, and have no rancid smell or bad odor.
Code F. Unserviceable items that can be laundered so that material is clean and odor free. Repair is limited to restitching of open seams only.
Code H. Unserviceable items that do not meet the criteria for Code F or are scrap.
 - b. Refer to WP 0018 for maintenance procedures.
19. Undershirt and Drawers, Chemical Protective (No LINs)
- a. Examine regularly for tears, punctures, or damage to material. Check slide fastener for serviceability, proper attachment to undershirt, and loose or missing teeth. Check hook-and-pile material for serviceability and proper attachment to underwear.
Code A. New and unused items possessing original appearance and serviceability.
Code B. Used items not suitable for Code A but are undamaged and wear life is less than 15 days, may be issued as is.
Code F. Unserviceable items that can be repaired (Training Garment only) by replacing slide fastener, hook-and-pile fastener tape, and by repairing ripped seams and tears.
Code H. Unserviceable items that do not meet the criteria for Code F or are obviously scrap and cannot be used for training.
 - b. Refer to WP 0033 for maintenance procedures.

END OF WORK PACKAGE

**FIELD MAINTENANCE
COMBAT VEHICLE CREWMAN'S OVERALLS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

References

WP 0005
WP 0007
FM 10-16
FM 42-414

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Equipment Condition

Lay out on a clean, flat surface.

Personnel Required

Non-MOS Specific (1)

NOTE

The CVC Overalls contain a meta-aramid fabric that is a high-temperature-resistant and inherently flame-retardant synthetic fabric with no-hot-melt point or drip characteristics. The fabric is lightweight and will not support combustion but will begin to char at 700° to 800° F (371° to 427° C). The fabric has good abrasion resistance similar to nylon and is also non-absorbent like nylon and other synthetic fabrics.

INSPECTION

Preliminary examination and cleaning -- dirt, mud, dust, spots, mildew stains, and other foreign matter -- shall be removed by laundering. Mildewy and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK

SERVICE**WARNING**

Do not starch these uniforms. In the event that the uniform is inadvertently starched, restore the fire-resistance to its original state by rinsing the garment in warm water.

Do not use any type of bleaching compound in laundering.

NOTE

Determination as to who will launder/clean the garments is the responsibility of the MAJCOM.

It is recommended that new overalls be laundered prior to use in order to soften the fabric and eliminate any possible skin irritation that might occur due to original fabric harshness. It is recommended that immediately after tumble drying or during drip drying, the overalls be hung on a hanger.

Launder in accordance with Formula IX (no bleach) of FM 42-414 and Natick Formula X, fixed laundry for the retreatment of anti-static agent.

The fabric is a drip-dry type requiring special handling and may be washed as frequently as needed. The overalls may be laundered at home or in a commercial-type washer and dryer. To remove the stains, a stain remover should be applied directly on the stain and a laundry brush used to scrub the area with warm water (about 120° F [49° C]).

NOTE

When exposed to above 140° F, aramid material is susceptible to discoloration and color fastness degradation

Laundering in water up to 110° F maximum, and tumble drying up to 140° F, will not damage or shrink the overalls. Use of a commercial fabric softener during rinse will remove body oil during laundry process. The fabric softeners also serve to inhibit static generation. Ironing or pressing is permissible; however, it is difficult to remove wrinkles or creases, due to the high-temperature-resistant quality of meta-aramid fabric. Laundering will not compromise the flame-retardant properties of the meta-aramid fibers and no renewable flame-retardant treatment is required.

END OF TASK

REPAIR

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Patching and Darning

Patching and darning may be applied to any area of the garment. Repair small tears not more than 1/2 inch (1.27 cm) across with a darning or zigzag stitch. Patch holes with a patch having a diameter of 1/2 inch (1.27 cm) but less than 4 inches (10.2 cm). Repair rips, tears, and thin areas greater than 1/2 inch (1.27 cm) but less than 4 inches (10.2 cm) by patching. Patches shall match the garment in color and type of material.

Follow the patching steps as described in FM 10-16, General Fabric Repair (paragraph 4-3).

Buttons

Replace missing, loose, or damaged buttons with buttons conforming to those listed in the RPSTL as applicable. Attach the buttons securely and aligned with eyelet end of respective buttonholes.

Buttonholes

Buttonholes shall be of the eyelet-end-taper-bar type worked over gimp. Repair damaged buttonholes by reshaping enlarged buttonholes before reworking. Then pull buttonhole into shape and hand- or machine-whip a small reinforcement patch to the underside of the buttonhole. Then rework the buttonhole through the patch.

Belt Loop

Replace missing, broken, or torn belt loops with new parts of matching size and material. Such parts shall be fastened in a like manner to those being replaced and shall be properly positioned.

Pockets

Darn or machine-patch small holes, small rips at corners, and broken seams of pockets. Replace damaged patch pockets with new pocket of matching material and design. Inside hanging pockets shall be repaired by piecing, when required.

Hems

Turn under all frayed hems and stitch in place.

REPAIR – CONTINUED

Waistband Adjusting Straps

Replace missing or damaged waistband straps with new parts of like size and design.

Slide Fasteners

Replace missing or defective slide fasteners with parts conforming to the type specified in the RPSTL.

Marking and Resizing

Resize all garments after complete repair and cleaning according to the schedule of sizes listed in Table 1. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. If the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

Table 1. CVC Overall Sizing Chart.

Size	Half Waist¹	Inseam²	Outseam³
X-Small Short	19 3/4	28 1/2	43 3/4
X-Small Regular	19 3/4	30 1/2	46 3/4
X-Small Long	19 3/4	32 1/2	49 3/4
Small Short	21 3/4	28 1/2	43 3/4
Small Regular	21 3/4	30 1/2	46 3/4
Small Long	21 3/4	32 1/2	49 3/4
Medium Short	23 3/4	28 1/2	43 3/4
Medium Regular	23 3/4	30 1/2	46 3/4
Medium Long	23 3/4	32 1/2	49 3/4
Large Short	25 3/4	28 1/2	43 3/4
Large Regular	25 3/4	30 1/2	46 3/4
Large Long	25 3/4	32 1/2	49 3/4
X-Large Short	27 3/4	28 1/2	43 3/4
X-Large Regular	27 3/4	30 1/2	46 3/4
X-Large Long	27 3/4	32 1/2	49 3/4
¹ Half waist measurement taken from folded edge to folded edge through the center of pile fastener tapes for side tabs and with drop seat and front zippers closed. ² Inseam is measured from the center of crotch seam to the bottom edge of leg along the seam. ³ Outseam is measured from the top edge of the outseam to the bottom with the drop seat zipper closed.			

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COMBAT VEHICLE CREWMAN'S COVERALLS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 10-16
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

NOTE

The Combat Vehicle Crewman's (CVC) Coveralls contain a meta-aramid fabric that is a high-temperature-resistant and inherently flame-retardant synthetic fabric with no-hot-melt point or drip characteristics. The fabric is light in weight, will not support combustion, but will begin to char at 700° F to 800° F (371° to 427° C). The fabric has good abrasion resistance similar to nylon and is also non-absorbent like nylon and other synthetic fabrics.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotted items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK

SERVICE**WARNING**

Do not starch these uniforms. In the event that the uniform is inadvertently starched, restore the fire-resistance to its original state by rinsing the garment in warm water.

Do not use any type of bleaching compound in laundering.

CAUTION

Dry liner and coveralls separately when damp or wet.

Launder with slide fasteners and hook-and-pile fasteners engaged.

Do not press hook-and-pile fasteners.

NOTE

Determination as to who will launder/clean the garments is the responsibility of the MAJCOM.

It is recommended that new coveralls be laundered prior to use in order to soften the fabric and eliminate any possible skin irritation that might occur due to original fabric harshness. It is recommended that immediately after tumble drying or during drip drying, the coveralls be hung on a hanger.

Launder in accordance with Formula IX (no bleach) of FM 42-414 and Natick Formula X, fixed laundry for the retreatment of anti-static agent.

The fabric is a drip-dry type requiring special handling and may be washed as frequently as needed. The coveralls may be laundered at home or in a commercial-type washer and dryer. To remove the stains, a stain remover should be applied directly on the stain and a laundry brush used to scrub the area with warm water (about 110° F).

Laundering in water up to 110° F maximum, and tumble drying up to 140° F, will not damage or shrink the coveralls. Use of a commercial fabric softener, during rinse, will remove body oil during laundry process. The fabric softeners also serve to inhibit static generation. Ironing or pressing is permissible; however, it is difficult to remove wrinkles or creases due to the high-temperature-resistant quality of meta-aramid fabric. Laundering will not compromise the flame-retardant properties of the meta-aramid fibers and no renewable flame-retardant treatment is required.

END OF TASK

REPAIR

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations, unless otherwise prescribed.

Repair of the coveralls shall be restricted to open seams, holes, or tears, not in excess of 4 inches (10.16 cm), replacement of hook-and-pile/slide fasteners. Thermal protection is reduced as fabric becomes thin or excessively worn. Garment shall be condemned when it no longer provides the thermal protection of the soldier. Final determination shall be made by qualified maintenance personnel.

Patching and Darning

Patching and darning may be applied to any area of the garment. Repair small tears not more than 1/2 inch (1.27 cm) across with a darning or zigzag stitch. Patch holes with a patch having a diameter of 1/2 inch (1.27 cm) but less than 4 inches (10.2 cm). Repair rips, tears, and thin areas greater than 1/2 inch (1.27 cm) but less than 4 inches (10.2 cm) by patching. Patches shall match the garment in color and type of material.

Follow the patching steps as described in FM 10-16, General Fabric Repair (paragraph 4-3).

Replace defective flaps except those flaps with very small holes that can be darned. Materials shall be those as specified in RPSTL.

Buttons

Replace missing, loose, or damaged buttons with buttons conforming to those listed in RPSTL as applicable. Attach the buttons securely and aligned with eyelet end of respective buttonholes.

Buttonholes

Buttonholes shall be of the eyelet-end-taper bar type worked over gimp. Repair damaged buttonholes by reshaping enlarged buttonholes before reworking. Then pull buttonhole into shape and hand- or machine-whip a small reinforcement patch to the underside of the buttonhole, then rework buttonhole through the patch.

Belt Loop

Replace missing, broken, or torn belt loops with new parts of matching size and material. Such parts shall be fastened in a like manner to those being replaced and shall be properly positioned.

Pockets

Darn or machine-patch small holes, small rips at corners, and broken seams of pockets. Replace damaged patch pockets with new pocket of matching material and design. Inside hanging pockets shall be repaired by piecing, when required.

REPAIR – CONTINUED**Hems**

Turn under all frayed hems and stitch in place.

Waistband Adjusting Straps

Replace missing or damaged waistband straps with new parts of like size and design.

Slide Fasteners

Replace missing or defective slide fasteners with parts conforming to the type specified in RPSTL.

Marking and Resizing

Resize all garments after complete repair and cleaning according to the sizes listed in Table 1. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the table will not be accepted as conditioned.

Table 1. CVC Coveralls Sizing Chart.

Size	Half Chest¹	Sleeve Length²	Inseam³
X-Small Short	20 1/2	18 1/2	28
X-Small Regular	20 1/2	19 1/2	30
X-Small Long	20 1/2	20 1/2	32
Small Short	22 1/2	18 1/2	28
Small Regular	22 1/2	19 1/2	30
Small Long	22 1/2	20 1/2	32
Medium Short	24 1/2	18 1/2	28
Medium Regular	24 1/2	19 1/2	30
Medium Long	24 1/2	20 1/2	32
Large Short	26 1/2	18 1/2	28
Large Regular	26 1/2	19 1/2	30
Large Long	26 1/2	20 1/2	32
X-Large Short	28 1/2	18 1/2	28
X-Large Regular	28 1/2	19 1/2	30
X-Large Long	28 1/2	20 1/2	32
¹ Measure from folded edge to folded edge at bottom of armhole. ² Measure from base of armhole to bottom edge of sleeve. Individual sleeves shall not differ in length by more than 1/2 inch. ³ Measure from seal line at base of crotch to bottom of leg. Individual inseams shall not differ in length by more than 1/2 inch.			

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COMBAT VEHICLE CREWMAN'S COVERALLS SHIRT AND TROUSER LINERS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 10-16
FM 42-414

Equipment Condition

Lay out on a clean, flat surface

NOTE

The CVC Liners contain a meta-aramid fabric that is a high-temperature-resistant and inherently flame-retardant synthetic fabric with no-hot-melt point or drip characteristics. The fabric is lightweight and will not support combustion but will begin to char at 700° to 800° F (371° to 427° C). The fabric has good abrasion resistance similar to nylon and is also non-absorbent like nylon and other synthetic fabrics.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotted items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK

SERVICE**WARNING**

Do not starch these uniforms. In event that the uniform is inadvertently starched, restore the fire-resistance to its original state by rinsing the garment in warm water.

Do not use any type of bleaching compound in laundering. To avoid excess wear on the gloves during washing and drying, make sure there are sufficient articles in the wash to absorb tumbling shock.

CAUTION

Dry liner and coveralls separately when damp or wet.

Launder with slide fasteners and hook-and-pile fasteners engaged.

Do not press hook-and-pile fasteners.

NOTE

Determination as to who will launder/clean the garments is the responsibility of the MAJCOM.

Launder in accordance with Formula IX (no bleach) of FM 42-414 and Natick Formula X, fixed laundry for the retreatment of anti-static agent.

The liner fabric is a drip-dry type requiring special handling and may be washed as frequently as needed. The liner may be laundered at home or in a commercial-type washer and dryer. To remove the stains, a stain remover should be applied directly on the stain and a laundry brush used to scrub the area with warm water (about 110° F).

Laundering in water up to 110° F maximum, and tumble drying up to 140° F), will not damage or shrink the liner. Use of a commercial fabric softener during rinse will remove body oil during laundry process. The fabric softeners also serve to inhibit static generation. Ironing or pressing is permissible; however, it is difficult to remove wrinkles or creases, due to the high-temperature-resistant quality of meta-aramid fabric. Laundering will not compromise the flame-retardant properties of the meta-aramid fibers and no renewable flame-retardant treatment is required.

END OF TASK

REPAIR

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations, unless otherwise prescribed.

Patching and Darning

Patching and darning may be applied to any area of the garment. Repair small tears not more than 1/2 inch (1.27 cm) across with a darning or zigzag stitch. Patch holes with a patch having a diameter of 1/2 inch (1.27 cm) but less than 4 inches (10.2 cm). Repair rips, tears, and thin areas greater than 1/2 inch (1.27 cm) but less than 4 inches (10.2 cm) by patching. Patches shall match the garment in color and type of material.

Follow the patching steps as described in FM 10-16, General Fabric Repair (paragraph 4-3).

Replace defective flaps except those flaps with very small holes that can be darned. Materials shall be those as specified in RPSTL.

Buttonholes

Buttonholes shall be of the eyelet-end-taper bar type worked over gimp. Repair damaged buttonholes by reshaping enlarged buttonholes before reworking. Then pull buttonhole into shape and hand- or machine-whip a small reinforcement patch to the underside of the buttonhole. Then rework buttonhole through the patch.

Belt Loop

Replace missing, broken, or torn belt loops with new parts of matching size and material. Such parts shall be fastened in a like manner to those being replaced and shall be properly positioned.

Pockets

Darn or machine-patch small holes, small rips at corners, and broken seams of pockets. Replace damaged patch pockets with new pocket of matching material and design. Inside hanging pockets shall be repaired by piecing, when required.

Hems

Turn under all frayed hems and stitch in place.

Waistband Adjusting Straps

Replace missing or damaged waistband straps with new parts of like size and design.

REPAIR – CONTINUED

Marking and Resizing

Resize liners after complete repair and cleaning according to the schedule of sizes listed in Table 1. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

Table 1. Combat Vehicle Crewman’s Coverall Liners Sizing Chart.

Size	Shirt		Trouser	
	Half Chest ¹	Sleeve Inseam ²	Half Waist ³	Leg Inseam ⁴
X-Small Short	21	17	18	23
X-Small Regular	21	18	18	25
X-Small Long	21	19	18	27
Small Short	23	17	20	23
Small Regular	23	18	20	25
Small Long	23	19	20	27
Medium Short	25	17	22	23
Medium Regular	25	18	22	25
Medium Long	25	19	22	27
Large Short	27	17	24	23
Large Regular	27	18	24	25
Large Long	27	19	24	27
X-Large Short	29	17	26	23
X-Large Regular	29	18	26	25
X-Large Long	29	19	26	27

¹With liner snapped, measure across front at base of armhole from folded edge to folded edge.
²Measure inseam from underarm opening to bottom of sleeve.
³Shirt: With liner snapped, measure across waist at binding from folded edge to folded edge. Trouser: Measure from edge to edge across each trouser front and back just below binding and divide total by two.
⁴Measure inseam from crotch opening to bottom of leg.

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
FLYER'S COVERALLS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 10-16
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

NOTE

Army maintenance concept for Coverall, CWU-27P, Flight Gloves; Flyer's Shirt, Hot Weather; Flyer's Trousers, Hot Weather; Flyer's Jacket, Lightweight (MIL-J-43923 (GL); and Flyer's Jacket, Cold Weather (MIL-J-43924 (GL) differs from Air Force maintenance concept found in Joint Air Force/Army Publication TO 14P3-1-112/ TM 10-8400-201-23&P. Instructions in this chapter take precedence over those in TO 14P3-1-112/ TM 10-8400-202-13 for Army users.

These items contain a meta-aramid fabric that is a high-temperature-resistant and inherently flame-retardant synthetic fabric with no-hot-melt point or drip characteristics. The fabric is lightweight and will not support combustion but will begin to char at 700° to 800° F (371° to 427° C). The fabric has good abrasion resistance similar to nylon and is also non-absorbent like nylon and other synthetic fabrics.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotted items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK

SERVICE**WARNING**

Do not starch these uniforms. In the event that the uniform is inadvertently starched, restore the fire-resistance to its original state by rinsing the garment in warm water.

Do not use any type of bleaching compound in laundering. To avoid excess wear on the gloves during washing and drying, make sure there are sufficient articles in the wash to absorb tumbling shock.

CAUTION

Dry liner and coveralls separately when damp or wet.

Launder with slide fasteners and hook-and-pile fasteners engaged.

Do not press hook-and-loop fasteners.

NOTE

Determination as to who will launder/clean the garments is the responsibility of the MAJCOM.

It is recommended that a new coverall be laundered prior to use in order to soften the fabric and eliminate any possible skin irritation that might occur due to original fabric harshness. It is recommended that immediately after tumble drying or during drip drying, the coverall be hung on a hanger.

Launder in accordance with Formula IX (no bleach) of FM 42-414 and Natick Formula X, fixed laundry for the retreatment of anti-static agent.

The coverall fabric is a drip-dry type requiring special handling and may be washed as frequently as needed. The coverall may be laundered at home or in a commercial-type washer and dryer. To remove the stains, a stain remover should be applied directly on the stain and a laundry brush used to scrub the area with warm water (about 110° F).

Laundering in water up to 110° F maximum, and tumble drying up to 140° F, will not damage or shrink the coverall. Use of a commercial fabric softener during rinse will remove body oil during laundry process. The fabric softeners also serve to inhibit static generation. Ironing or pressing is permissible; however, it is difficult to remove wrinkles or creases, due to the high-temperature-resistant quality of meta-aramid fabric. Laundering will not compromise the flame-retardant properties of the meta-aramid fibers and no renewable flame-retardant treatment is required.

END OF TASK

REPAIR**NOTE**

Attachment of organizational insignias is permissible. Method of attachment is a command option. If sewn, use thread MIL-T-83193.

Attachment of hook-and-loop tape for garter restraint system is MAJCOM option. If attached, sew using thread MIL-T-83193.

Thread used for all repairs shall conform to Specification MIL-T-83193 (color sage green).

Repair of the coveralls shall be restricted to open seams, holes, or tears not in excess of 4 inches (10.16 cm), and replacement of hook-and-loop/slide fasteners. Thermal protection is reduced as coverall fabric becomes thin or excessively worn. Garment shall be condemned when it no longer provides the thermal protection of the soldier. Final determination shall be made by qualified maintenance personnel.

Holes

Small holes or tears not in excess of 1/2 inch (1.27 cm) may be mended and/or darned on a sewing machine. Care shall be taken to prevent bunching or piling of stitching. To repair holes larger than 1/2 inch (1.27 cm) but less than 4 inches (10.16 cm), patches shall be meta-aramid fabric color sage green.

1. Cut a piece of sage green meta-aramid fabric at least 1 inch (2.54 cm) larger than the damaged area.
2. Turn the edges of the patch under 1/4 inch (0.635 cm), center the patch on the underside of the hole, and sew the patch 1/16 to 1/8 inch (0.063 to 0.125 cm) from the folded edge, using stitch type 301 and 10-12 stitches per inch.
3. Turn the material and cut out the damaged area to form a square or rectangle.
4. Cut diagonals 1/4 inch (0.635 cm) long at each corner of the square or rectangle.
5. Turn the raw edges (as far as the diagonal will permit) under.
6. Finish the repair patch by sewing a seam 1/16 to 1/8 inch (0.063 to 0.125 cm) from the edge of the fold.

Patches are not to exceed four per item.

REPAIR – CONTINUED

Hook-and-Loop Fastener

Any damaged hook-and-loop fastener tape may be replaced. Tapes shall conform to Type I, Specification MIL-F-21840, and sized to Table 1. Tapes shall be replaced as originally installed. Replacement hook-and-loop name plates shall be cut to size.

Table 1. Hook-and-Loop Fastener Tape Sizes.

Coverall Size	Back Belt Hook	Waist Loop	Tab Hook	Cuff Loop	Nameplate Hook and Loop
32S	1 x 4	1 x 6	1 1/2 x 2	1 1/2 x 6	2 x 4
32R	1 x 4	1 x 6	1 1/2 x 2	1 1/2 x 6	2 x 4
34S	1 x 4	1 x 6	1 1/2 x 2	1 1/2 x 6	2 x 4
34S	1 x 4	1 x 6	1 1/2 x 2	1 1/2 x 6	2 x 4
36S	1 x 4	1 x 6	1 1/2 x 2	1 1/2 x 6	2 x 4
36R	1 x 4	1 x 6	1 1/2 x 2	1 1/2 x 6	2 x 4
36L	1 x 4	1 x 6	1 1/2 x 2	1 1/2 x 6	2 x 4
38S	1 x 4	1 x 6	1 1/2 x 2	1 1/2 x 6	2 x 4
38R	1 x 4	1 x 6	1 1/2 x 2	1 1/2 x 6	2 x 4
38L	1 x 4	1 x 6	1 1/2 x 2	1 1/2 x 6	2 x 4
40S	1 x 4	1 x 7	1 1/2 x 2	1 1/2 x 6	2 x 4
40R	1 x 4	1 x 7	1 1/2 x 2	1 1/2 x 6	2 x 4
40L	1 x 4	1 x 7	1 1/2 x 2	1 1/2 x 6	2 x 4
42S	1 x 4	1 x 7	1 1/2 x 2	1 1/2 x 6	2 x 4
42R	1 x 4	1 x 7	1 1/2 x 2	1 1/2 x 6	2 x 4
42L	1 x 4	1 x 7	1 1/2 x 2	1 1/2 x 6	2 x 4
44S	1 x 4	1 x 8	1 1/2 x 2	1 1/2 x 6	2 x 4
44R	1 x 4	1 x 8	1 1/2 x 2	1 1/2 x 6	2 x 4
44L	1 x 4	1 x 8	1 1/2 x 2	1 1/2 x 6	2 x 4
46S	1 x 4	1 x 8	1 1/2 x 2	1 1/2 x 6	2 x 4
46R	1 x 4	1 x 8	1 1/2 x 2	1 1/2 x 6	2 x 4
46L	1 x 4	1 x 8	1 1/2 x 2	1 1/2 x 6	2 x 4
48R	1 x 4	1 x 9	1 1/2 x 2	1 1/2 x 6	2 x 4
48L	1 x 4	1 x 9	1 1/2 x 2	1 1/2 x 6	2 x 4

REPAIR – CONTINUED

Slide Fasteners

Defective or non-operative slide fasteners shall be replaced. Installation shall be in the same manner as the original fastener using Table 2 as a guide.

Table 2. Slide Fastener Chart.

Coverall Size	Location	Type	Style	Size	Length in Inches	National Stock Number (NSN)
All sizes	Leg Opening	1	3	M	10	Refer to WP 0049
All sizes	Breast Pockets	1	7	M	6 1/2	Refer to WP 0049
All sizes	Breast Pockets	1	7	M	7	Refer to WP 0049
All sizes	Thigh Pockets	1	7	M	7	Refer to WP 0049
All sizes	Lower Leg Pockets	1	7	M	8 1/2	Refer to WP 0049
All sizes	Side Pass-Through	1	7	M	10	Refer to WP 0049
36S	Front Opening	1	15	MS	26	Refer to WP 0049
36R/40S	Front Opening	1	15	MS	27	Refer to WP 0049
38S	Front Opening	1	15	MS	26 1/2	Refer to WP 0049
38R	Front Opening	1	15	MS	27-1/2	Refer to WP 0049
40R	Front Opening	1	15	MS	28	Refer to WP 0049
40L/44R	Front Opening	1	15	MS	29	Refer to WP 0049
42R	Front Opening	1	15	MS	28 1/2	Refer to WP 0049
42L/46R	Front Opening	1	15	MS	29 1/2	Refer to WP 0049
44U48R	Front Opening	1	15	MS	30	Refer to WP 0049
46L	Front Opening	1	15	MS	30 1/2	Refer to WP 0049

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
FLYER'S JACKET AND COLD WEATHER JACKET
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
 Scissors, 8-inch (WP 0084, Item 22)
 Sewing Machine, Light Duty (WP 0084, Item 31)
 Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
 Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
 WP 0007
 FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

NOTE

Army maintenance concept for coveralls, CWU-27P, Flyers' Gloves; Flyer's Shirt, Hot Weather; Flyer's Trousers, Hot Weather; Flyer's Jacket (MIL-J-43923 (GL), and Cold Weather Jacket (MIL-J-43924 (GL) differs from Air Force maintenance concept found in Joint Air Force/Army Publication TO 14P3-1-112/TM 10-8400-201-23&P. Instructions in this chapter take precedence over those in TO 14P3-1-112/TM 10-8400-202-13 for Army users.

These items contain a meta-aramid fabric that is a high-temperature-resistant and inherently flame-retardant synthetic fabric with no-hot-melt point or drip characteristics. The fabric is lightweight and will not support combustion but will begin to char at 700° to 800° F (371° to 427° C). The fabric has good abrasion resistance similar to nylon and is also non-absorbent like nylon and other synthetic fabrics.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotted items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK

SERVICE

Dry cleaning should be avoided because the dry cleaning solvent is very harmful and dangerous. Launder in accordance with Formula IX (no bleach) of FM 42-414 and Natick Formula X, fixed laundry for the retreatment of anti-static agent.

The jacket fabric is a drip-dry type requiring special handling. The jacket may be laundered at home or in a commercial-type washer and dryer. To remove the stains, a stain remover should be applied directly on the stain and a laundry brush used to scrub the area with warm water (about 110 °F (43 °C)).

Laundering in water up to 110 °F (43 °C) maximum, and tumble drying up to 140 °F (60 °C), will not damage or shrink the jacket. Use of a commercial fabric softener, during rinse, will remove body oil during laundry process. The fabric softeners also serve to inhibit static generation. Ironing or pressing is permissible; however, it is difficult to remove wrinkles or creases, due to the high temperature resistant quality of meta-aramid fabric. Laundering will not compromise the flame retardant properties of the meta-aramid fibers and no renewable flame retardant treatment is required.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations, unless otherwise prescribed.

Patching and Darning

Patching and darning may be applied to any area of the garment. Repair small tears not more than 1/2 inch (1.27 cm) across with a darning or zigzag stitch. Patch holes with a patch having a diameter of 1/2 inch (1.27 cm) but less than 4 inches (10.2 cm). Repair rips, tears, and thin areas greater than 1/2 inch (1.27 cm) but less than 4 inches (10.2 cm) by patching. Patches shall match the garment in color and type of material.

Follow the patching steps as described in FM 10-16, General Fabric Repair (paragraph 4-3).

Replace defective flaps except those flaps with very small holes that can be darned. Materials shall be those as specified in RPSTL.

Buttons

Replace missing, loose, or damaged buttons with buttons conforming to those listed in the RPSTL as applicable. Attach the buttons securely and align with eyelet end of respective buttonholes.

Buttonholes

Buttonholes shall be of the eyelet-end-taper bar type worked over gimp. Repair damaged buttonholes by reshaping enlarged buttonholes before reworking. Then pull buttonhole into shape and hand- or machine-whip a small reinforcement patch to the underside of the buttonhole. Then rework buttonhole through the patch.

Belt Loop

Replace missing, broken, or torn belt loops with new parts of matching size and material. Such parts shall be fastened in a like manner to those being replaced and shall be properly positioned.

REPAIR – CONTINUED

Pockets

Darn or machine-patch small holes, small rips at corners, and broken seams of pockets. Replace damaged patch pockets with new pocket of matching material and design. Inside hanging pockets shall be repaired by piecing, when required

Hems

Turn under all frayed hems and stitch in place.

Waistband Adjusting Straps

Replace missing or damaged waistband straps with new parts of like size and design.

Slide Fasteners

Replace missing or defective slide fasteners with parts conforming to the type specified in the RPSTL.

Jacket Cuffs and Waistbands

Jackets may require replacement of worn cuffs and waistbands using appropriate replacement parts and threads listed in the RPSTL.

Slide Fasteners

Defective or non-operative slide fasteners shall be replaced. Installation shall be in the same manner as the original fastener. Refer to Table 1 CWU-26/P (Flyer’s Jacket) and Table 2 for CWU-45/P (Cold Weather Jacket).

Table 1. Flyer’s Jacket Slide Fastener Chart.

Jacket Size	Location	Type	Style	Size	Length in Inches	National Stock Number (NSN)
Small	Front Opening	IV	8	M	20 1/2	Refer to WP 0047
Medium	Front Opening	IV	8	M	21	Refer to WP 0047
Large	Front Opening	IV	8	M	21 1/2	Refer to WP 0047
X-Large	Front Opening	IV	8	M	22	Refer to WP 0047

Table 2. Cold Weather Jacket Slide Fastener Chart.

Jacket Size	Location	Type	Style	Size	Length in Inches	National Stock Number (NSN)
Small	Front Opening	IV	8	MH	21	Refer to WP 0047
Medium	Front Opening	IV	8	MH	21 1/2	Refer to WP 0047
Large	Front Opening	IV	8	MH	22	Refer to WP 0047
X Large	Front Opening	IV	8	MH	22 1/2	Refer to WP 0047

REPAIR – CONTINUED

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Tables 3 and 4. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

Table 3. Flyer’s Jacket Sizing Chart.

Size	Half Chest¹	Back Length²	Sleeve Length³
X-Small Short	21	21 1/2	14 1/4
X-Small Regular	21	22 1/2	15 1/4
X-Small Long	21	23 1/2	16 1/4
Small Short	23	22	14 1/4
Small Regular	23	23	15 1/4
Small Long	23	24	16 1/4
Medium Short	25	22 1/2	14 1/4
Medium Regular	25	23 1/2	15 1/4
Medium Long	25	24 1/2	16 1/4
Large Short	27	23	14 1/4
Large Regular	27	24	15 1/4
Large Long	27	25	16 1/4
X-Large Short	29	23 1/2	14 1/4
X-Large Regular	29	24 1/2	15 1/4
X-Large Long	29	25 1/2	16 1/4
¹ Half Chest—Jacket front closed, at base of armhole from folded edge to folded edge. ± 3/4 in. tolerance. ² Back Length—At center back, from collar joining seam to top of knit waistband ± 3/4 in. tolerance. ³ Sleeve Length—From armhole along underarm seam to top of cuff ± 3/4 in. tolerance.			

REPAIR – CONTINUED

Table 4. Cold Weather Jacket Sizing Chart.

Size	Half Chest ¹	Back Length ²	Sleeve Length ³
X-Small Short	21	21 5/8	13 7/8
X-Small Regular	21	22 5/8	14 7/8
X-Small Long	21	23 5/8	15 7/8
Small Short	23	22 1/8	13 7/8
Small Regular	23	23 1/8	14 7/8
Small Long	23	24 1/8	15 7/8
Medium Short	25	22 5/8	13 7/8
Medium Regular	25	23 5/8	14 7/8
Medium Long	25	24 5/8	15 7/8
Large Short	27	23 1/8	13 7/8
Large Regular	27	24 1/8	14 7/8
Large Long	27	25 1/8	15 7/8
X-Large Short	29	23 5/8	13 7/8
X-Large Regular	29	24 5/8	14 7/8
X-Large Long	29	25 5/8	15 7/8
¹ Half Chest—Jacket front closed, at base of armhole from folded edge to folded edge ±3/4 in. tolerance. ² Back Length—At center back, from collar joining seam to top of knit waistband ±3/4 in. tolerance. ³ Sleeve Length—From armhole along underarm seam to top of cuff ±3/4 in. tolerance.			

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COMBAT GLOVES AND FLYERS' GLOVES
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

A-A-50195
FM 42-414
MIL-J-43923C (GL)
MIL-J-43924E (GL)
TO 14P3-1-102/TM 10-8470-202-13
WP 0005
WP 0007

Equipment Condition

Lay out on a clean, flat surface.

NOTE

Army maintenance concept for coveralls, CWU-27P, Flyers' Gloves; Flyer's Shirt, Hot Weather; Flyer's Trousers, Hot Weather; Flyer's Jacket (MIL-J-43923 (GL), and Cold Weather Jacket (MIL-J-43924 (GL) differs from Air Force maintenance concept found in Joint Air Force/Army Publications TO 14P3-1-102/TM 10-8470-202-13. Instructions in this chapter take precedence over those in TO 14P3-1-102/TM 10-8470-202-13 for Army users.

These items contain a meta-aramid fabric that is a high-temperature-resistant and inherently flame-retardant synthetic fabric with no-hot-melt point or drip characteristics. The fabric is lightweight and will not support combustion but will begin to char at 700° to 800° F (371° to 427° C). The fabric has good abrasion resistance similar to nylon and is also non-absorbent like nylon and other synthetic fabrics.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK

SERVICE

Wash only when necessary and according to the following instructions:

1. Wash gloves with mild soap in warm water (not exceeding 110° F). Do not bleach or starch.
2. Rinse thoroughly in clear warm water. Remove all soap by repeated rinsing, or fabric will lose its flame-resistance.
3. Remove excess water by squeezing gloves or rolling them in towel. Do not wring or twist. Stretch gloves into shape and hang or lay flat to air dry. Do not tumble dry or expose wet gloves to heat or direct sunlight.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations, unless otherwise prescribed.

Repair of the gloves is restricted to re-stitching of open seams using thread conforming to A-A-50195, Aramid Thread.

END OF TASK**END OF WORK PACKAGE**

**FIELD MAINTENANCE
COMBAT COAT AND TROUSERS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

A-A-50195
A-A-55195
ASTM D6193
FM 10-16
FM 42-414
WP 0005
WP 0007

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Inspect the Combat Coat and Trousers to determine the extent of damage, normal wear, and the need for repair. The material may begin to pill after some use (loose fibers may form on the surface of the material). This condition is normal and does not degrade the items' serviceability. These pills may be removed by hand.

Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK

SERVICE**Field Cleaning****NOTE**

It is recommended that a new coat or trousers be laundered prior to use in order to soften the fabric and eliminate any possible skin irritation that might occur due to original fabric harshness. It is recommended that immediately after tumble drying or during drip drying, the uniform be hung on a hanger.

DO NOT STARCH these uniforms. In the event that the uniform is inadvertently starched, restore the fire-resistance to its original state by rinsing the garment in warm water.

Do not use any type of bleaching compound in laundering.

After 10 laundering cycles and thereafter, launder IAW Formula IX (no bleach) of FM 42-414, Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support and Natick Formula X.

Laundering in water up to 110° F maximum and tumble drying up to 140° F, will not damage or shrink the battle dress uniform. Use of a commercial fabric softener during rinse will remove body oil during laundry process. The fabric softeners also serve to remove wrinkles or creases, due to the high-temperature-resistant quality of NOMEX® fabric. Laundering will not compromise the flame-retardant properties of the "NOMEX®" and no renewable flame-retardant treatment is required.

Rinse and air- or machine-dry.

Commercial Cleaning

Items shall be processed in laundry facilities in accordance with Formula I, FM 42-414, Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support. When such facilities are not available, items shall be laundered by contract with private industry but strictly in accordance with one of the above listed formulas.

END OF TASK

REPAIR**WARNING**

Make all repairs to clothing with A-A-50195, Aramid Thread. Use of non-aramid thread type may cause hot spots and severe injury in case of fire.

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations, unless otherwise prescribed.

Materials used in the repair of clothing will be serviceable materials recovered from similar salvaged items, except where specifically prohibited, or will be new materials. New materials will conform to the appropriate specifications and will be requisitioned from standard numbers, part numbers, complete military standard numbers, or part numbers and Contractor and Government Entity Codes (CAGEC) listed in the RPSTL. Do not use substitute materials.

WARNING

Attachment of organizational insignias is permissible. Method of attachment is a command option. If sewn, use A-A-50195, Aramid Thread.

Repair at Unit Level

Repairs to be accomplished at unit level will be hand sewing of rips, tears, loose seams, and damaged button holes. Replace missing or damaged buttons and belt loops. Replacement buttons will match the original buttons in color, design, and size of the type specified in the RPSTL.

Rips and Tears

Repair rips and tears of 1/2 inch (1.27 cm) or less by darning in greatest dimension. Patch rips, tears, and holes exceeding 1/2 inch (1.27 cm) with a single patch of aramid cloth specified in RPSTL.

Stitching and Restitching

Repair all stitches, seams, and stitching on the clothing using stitching for various applications listed in Table 1, using ASTM D6193, Standard Practice for Stitches and Seams. Seam allowances will be maintained with seams sewn so that no raw edges, runoffs, twists, pleats, puckers, or open seams occur. Overedge stitching will be 3/16 to 1/4 inch (0.48 to 0.63 cm) gauge.

REPAIR – CONTINUED

Repair of Type 301 Stitching

- Ends of all stitching shall be backstitched or overstitched not less than 1 inch (2.54 cm) except where ends are turned under in a hem or held down by other seams or stitching.
- Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.27 cm).
- Thread tensions shall be not less than 1/2 inch (1.27 cm).
- Thread tensions shall be maintained so that there will be no loose stitching resulting in puckering of materials sewn.
- The lock shall be embedded in the materials sewn.
- When thread breaks, skipped stitches, run-offs, or bobbin runouts occur during stitching, the stitching shall be repaired by restarting the stitching a minimum of 1 inch (2.54 cm) in back of the interrupted stitching.
- Except for pre-stitching, thread breaks of two or more consecutive skipped or runoff stitches noted during inspection of the item shall be repaired by overstitching.
- The stitching shall start a minimum of 1 inch (2.54 cm) in back of defective area; continue over the defective area onto the existing stitching.
- Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and re-stitching in the required manner.
- When making above repairs, ends of stitching need not be backstitched.

Repair of Type 401, 503, 504, 515, 516 Stitching

These stitches are repaired in the same manner as type 301, except that repairs to type 401 stitching requires both ends of all seams to have a 1/2 inch (1.27 cm) minimum chain extending beyond each end, unless they are caught in a seam or other stitching.

Table 1. Combat Coat and Trousers Stitching Requirements.

SEWING OPERATION	STITCH TYPE	THREAD NEEDLE AND BOBBIN	STITCHES PER INCH
General	301	60 TEX	10–12
	401	60 TEX	10–12
Overedge Stitching	502	60 TEX	6–10
	503	60 TEX	6–10
	504	60 TEX	6–10
Safety Stitch	515	60 TEX	10–12
	516	60 TEX	10–12
	519	60 TEX	10–12
Bar tacking		60 TEX	28 per bar tack
Buttonholes		60 TEX	44–46 per buttonhole
Buttons	101 or 301	60 TEX	20–24 per button

REPAIR – CONTINUED**Patching and Darning**

Patching and darning may be applied to any area of the garment. Repair small tears not more than 1/2 inch (1.27 cm) across with a darning or zigzag stitch. Repair rips, tears, and thin areas greater than 1/2 inch (1.27 cm) but less than 4 inches (10.2 cm) by patching. Patch holes having a diameter of 1/2 inch (1.27 cm) but less than 4 inches (10.2 cm) by patching. Patches shall match the garment in color and type of material.

Follow the patching steps as described in FM 10-16, General Fabric Repair (paragraph 4-3).

Buttons

Replace missing, loose, or damaged buttons with buttons conforming to those listed in the RPSTL as applicable. Attach the buttons securely and aligned with eyelet end of respective buttonholes.

Buttonholes

Buttonholes shall be of the eyelet-end-taper bar-type worked-over gimp (trimming). Repair damaged buttonholes by reshaping enlarged buttonholes before reworking. Then pull buttonhole into shape and hand- or machine-whip a small reinforcement patch to the underside of the buttonhole. Then rework buttonhole through the patch.

Belt Loop

Replace missing, broken, or torn belt loops with new parts of matching size and material. Such parts shall be fastened in a like manner to those being replaced and shall be properly positioned.

Pockets

Darn or machine-patch small holes, small rips at corners, and broken seams of pockets. Replace damaged patch pockets with new pocket of matching material and design. Inside hanging pockets shall be repaired by piecing, when required. Replace defective flaps except those flaps with very small holes that can be darned.

Hems

Turn under all frayed hems and stitch in place.

Waistband Adjusting Straps

Replace missing or damaged waistband straps with new parts of like size and design.

Buckles

Replace missing, broken, or damaged buckles in size and type specified in RPSTL.

REPAIR – CONTINUED

Slide Fasteners

Replace missing or defective slide fasteners with parts conforming to the type specified in the RPSTL. Installation shall be in the same manner as the original fastener. Refer to Table 2 for appropriate lengths.

Table 2. Slide Fastener Lengths (in Inches).

SIZE	COAT	TROUSERS
X-Small Short	15	6 1/2
X-Small Regular	15 1/2	7
X-Small Long	16	7 1/2
Small Short	15 1/2	7
Small Regular	16	7 1/2
Small Long	16 1/2	8
Medium Short	16	7 1/2
Medium Regular	16 1/2	8
Medium Long	17	8 1/2
Large Short	16 1/2	8
Large Regular	17	8 1/2
Large Long	17 1/2	9
X-Large Short	17	8 1/2
X-Large Regular	17 1/2	9
X-Large Long	18	9 1/2

Hook-and-Loop Fastener

Any damaged hook-and-loop fastener tape may be replaced. Tapes shall conform to Type I, Specification A-A-55126, Fastener Tapes, Hook & Pile, Synthetic. Tapes shall be replaced as originally installed.

Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Tables 3 and 4. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

REPAIR – CONTINUED

Table 3. Combat Coat Sizing Instructions and Finished Measurements (in Inches).

SIZE	SHORT	REGULAR	LONG
Half Chest¹			
X-Small	18 3/4	18 3/4	18 3/4
Small	20 3/4	20 3/4	20 3/4
Medium	22 3/4	22 3/4	22 3/4
Large	24 3/4	24 3/4	24 3/4
X-Large	26 3/4	26 3/4	26 3/4
Back Length²			
X-Small	28 3/4	30 1/4	31 1/2
Small	29 1/4	30 3/4	32 1/8
Medium	29 3/4	31 1/4	32 5/8
Large	30 1/4	31 3/4	33 1/8
X-Large	30 3/4	32 1/4	33 5/8
Sleeve Length³			
X-Small	23 1/2	24 1/2	25 1/2
Small	24	25	26
Medium	24 1/2	25 1/2	26 1/2
Large	25 1/2	26 1/2	27 1/2
X-Large	26 1/2	27 1/2	28 1/2
¹ Coat front closed, at base of armhole from folded edge to folded edge +3/4 in. tolerance. ² At center of back, from collar seam to bottom of coat +3/4 in. tolerance. ³ Along center of top sleeve from top of sleeve to bottom edge of hem +1/2 in. tolerance.			

REPAIR – CONTINUED

Table 4. Combat Trousers Sizing Instructions and Finished Measurements (in Inches).

SIZE	1/2 WAIST ¹	INSEAM ²
X-Small Short	13 3/4	31 3/4
X-Small Regular	13 3/4	33 3/4
X-Small Long	13 3/4	35 3/4
Small Short	15 3/4	31 3/4
Small Regular	15 3/4	33 3/4
Small Long	15 3/4	35 3/4
Medium Short	17 3/4	31 3/4
Medium Regular	17 3/4	33 3/4
Medium Long	17 3/4	35 3/4
Large Short	19 3/4	31 3/4
Large Regular	19 3/4	33 3/4
Large Long	19 3/4	35 3/4
X-Large Short	21 3/4	31 3/4
X-Large Regular	21 3/4	33 3/4
X-Large Long	21 3/4	35 3/4
¹ Slide fastener and button closed; in center of waist band from folded edge to folded edge, +1/2 in. tolerance. ² From center to crotch seam to bottom of leg +3/4 in. tolerance.		

END OF TASK

END OF WORK PACKAGE

CHAPTER 4
FIELD MAINTENANCE
FOR
ECWCS GEN I CLOTHING

**FIELD MAINTENANCE
COLD WEATHER PARKA AND TROUSERS (ECWCS GEN I)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sealing Machine, Heat (WP 0084, Item 24)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

ASTM D6193
FM 10-16
FM 42-414
WP 0005
WP 0007

Equipment Condition

Lay out on a clean, flat surface.

INSPECTION

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005, and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Machine/Laundering****CAUTION**

Do not use chlorine bleach or starch. Discoloration and degradation of infrared protection capacity of the material will result.

Launder using a delicate/gentle fabric cycle or by hand using cold water (up to 85° F [27° C]) and cold water laundry detergent. Rinse in clear cold water.

CAUTION

To prevent damage to the parka and trousers, dryer temperature should not exceed 90° F (32° C). Avoid over-drying and do not press since this will cause degradation to the component materials of the fabric laminate.

Dry at lowest fabric cycle such as delicate/gentle. Remove immediately at end of drying cycle. To drip dry, remove from water and place garment on a rustproof hanger.

SERVICE – CONTINUED**Field Laundering**

The parka and trousers are to be laundered using Formula VIII of FM 42-414, Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support.

CAUTION

To prevent damage to the parka and trousers, dryer temperature should not exceed 90° F (32° C). Avoid over-drying and do not press since this will cause degradation to the component materials of the fabric laminate.

Dry in a tumble dryer, loaded not more than 2/3 of rated capacity at lowest fabric cycle. Remove immediately from dryer.

Post (Fixed) Laundry

Parka and trousers shall be laundered utilizing Natick Formula I.

Application of a durable water repellent finish on the outside surface of the garment may be necessary to maintain the garment's repellency of water penetration. (See instructions on McNett.com for ReviveX Air Dry Waterproofing Spray.)

1. Clean surfaces and dry thoroughly.
2. Shake can.
3. Point valve toward surface and spray from 8 to 12 inches away.
4. Allow to dry thoroughly before use or reapplication.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations, unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains, and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personnel marks shall be erased or obliterated.

Rips and Tears

Any stitching/restitching/patching required to repair the parka and trousers must be heat-sealed before the garment is placed back into service. This will prevent water from penetrating through the holes created during stitching.

Heat Sealing

Heat sealing tape is used to repair rips up to 25 inches missing the inner tricot knit of garments and to seal restitched seams. Sealing is necessary to maintain the waterproof characteristics of the garment. The entire width of the sealing tape shall be sealed with hot adhesive over the seam or stitching on the inside. The heat-sealing machine is used to apply heat and pressure to the adhesive-coated seam tape and patches in order to affix them permanently to the outer shell cloth. All seam tapes shall overlap a minimum of 3/4 inch at joining points. Up to three repairs totaling 15 inches may thus be applied to the parka or trousers. Seam tape may also be used to repair areas where the original tape does not overlap sewn seams by the minimum 1/8 inch on both sides.

REPAIR – CONTINUED

CAUTION

Temperature of iron shall not exceed 350° F with the addition of steam to prevent melting of the nylon tricot layer of the fabric.

NOTE

If the heat seam sealer is not available, a commercial iron on a high steam setting or a tailoring iron on a medium setting may be used.

1. Test temperature of iron to ensure proper setting. Apply heat to sample piece of heat-sealing tape to ensure nylon tricot layer does not melt. Adjust setting if necessary.
2. To apply heat-sealing tape, place appropriate length of tape to inside of garment on area to be repaired. With adhesive side of the tape against repair, apply iron in one location at a time. Do not slide the iron back and forth.
3. Apply pressure for 15 seconds. Turn garment to right side and apply iron to same area again for 15 seconds to allow heat-sealing tape to set.

Patching and Darning

Holes or worn areas on the liners which exceed 1/8 inch shall be patched and darned. Precut patches of matching material for uniformity. Cut patches to extend approximately 3/4 inch around perimeter of opening, providing not less than 3/8 inch turn-under at all edges except selvage (nonfraying edge of fabric) edges. Darn holes and worn areas of less than 1/4 inch. Turn under frayed hems and edges and restitch. Use sharp needles to sew lining to prevent large needle holes or cutting fabric.

Stitching and Restitching

The location, stitch type, thread size, and stitches per inch are listed in Tables 1 and 2. All stitches, seams, and stitching shall conform to ASTM D6193, Standard Practice for Stitches and Seams. Seam allowances shall be maintained with seams sewn so no raw edges, run-offs, pleats, puckers, or open seams occur. When two or more methods of stitching are given for the same operation, any one may be used.

Any stitching/re-stitching/patching required to repair the parka and trousers must be heat-sealed before the garment may be placed back into service. This will prevent water from penetrating through the holes created during stitching.

Table 1. Cold Weather Parka (ECWCS Gen I) Stitching Information.

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	B	B	10–13
Assembling hood, upper, and complete lining	515 or 516	B	B	10–13
Bar tacking windskirt on seam	1/2-inch bar tack	B	B	28 each
Bar tacking hood tunnel and drawcord	5/8-inch bar tack	B	B	21–28 each

REPAIR – CONTINUED**Table 2. Cold Weather Trousers (ECWCS Gen I) Stitching Information.**

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	B	B	10–13
Assembling suspender loops	3/8-inch bar tack	B	B	21–28 each
Assembling front fly (overedge stitch)	504 or 516	B	B	10–13
Hemming waistband seam (overedge stitch)	515 or 516	B	B	10–13
Hemming waistband (general and overedge)	301	B	B	10–13

Repair of Type 301 Stitching

Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) back of end of the interrupted stitching. Except for prestitching, thread breaks of two or more consecutive skipped or runoff stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) in back of defective area and continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and restitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Type 401, 502, 503, 515, 516, and 519 Stitching

These types of stitches are repaired in the same manner as type 301, except that repairs to type 401 stitching require both ends of all seams to have 1/2 inch (1.30 cm) minimum chain extending beyond each end unless they are caught in a seam or other stitching.

Bar Tacks

Unless otherwise specified, all bar tacks shall be 3/8 +1 1/16 inch (1 +10 cm) long and 1/8 +1/32 inch (0.35 +0.10 cm) wide and shall contain 28 stitches. Bar tacking shall be free from thread breaks and loose stitching.

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones. Slide fasteners are not seam-sealed in; remove the one to be replaced and sew in a new one.

Snap Fasteners

Replace missing, loose, or damaged snap fasteners. Patch damaged area surrounding snap fastener sockets and studs prior to attaching snap fasteners.

REPAIR – CONTINUED

Drawcords and Barrel Locks

Replace missing or defective drawcords in lengths to match original construction. Drawcord ends shall be heat-seared and knotted. Refer to Tables 3 and 4 for proper lengths. Replace barrel locks as required.

Table 3. Cold Weather Parka (ECWCS Gen I) Drawcord and Tape Lengths.

ITEM	X-SMALL INCH CM	SMALL INCH CM	MEDIUM INCH CM	LARGE INCH CM	X-LARGE INCH CM	TOLERANCE INCH CM
Hood Drawcord	32 1/2	33	33 1/2	34 1/4	34 3/4	± 1
	82.55	83.80	85.10	87.00	88.25	± 2.55
Windskirt Drawcord	41 1/2	45 1/2	49 1/2	53 1/2	57 1/2	± 1
	105.40	115.60	125.70	135.90	146.05	± 2.55
Windskirt Webbing	23 3/4	26 3/4	30 3/4	34 3/4	38 3/4	± 1
	60.30	67.95	78.10	88.30	98.40	± 2.55

Table 4. Cold Weather Trouser (ECWCS Gen I) Drawcord and Tape Lengths.

	X-SMALL INCH CM	SMALL INCH CM	MEDIUM INCH CM	LARGE INCH CM	X-LARGE INCH CM	TOLERANCE INCH CM
Drawcord	38	42	46	50	54	± 1
	96.50	106.65	116.85	127	137.10	± 2.55
Fastener Tapes, Hook	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	± 1
	3.85	3.85	3.85	3.85	3.85	± 2.55
Fastener Tapes, Loop	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	± 1
	17.10	17.10	17.10	17.10	17.10	± 2.55
Suspender Loops	6	6	6	6	6	± 1
	15.25	15.25	15.25	15.25	15.25	± 2.55

Hangers

Replace defective or missing neck hanger loops. Construct hangers by folding a 4 1/2-inch (11.40 cm) strip of textile tape and double stitch on the underside.

Pocket Flaps

Repair or replace torn, missing, or defective flaps. Restitch ripped seams or loose B stitching.

Pockets

Restitch loose or ripped pockets. Replace missing or defective pockets with new ones using material specified in RPSTL.

1. To attach pockets and flaps to fronts, turn in edges of breast pocket 1/2 inch (1.25 cm) if not pre-hemmed.

REPAIR – CONTINUED

2. Position pockets and stitch 1/16 to 1/8 inch (0.15 to 0.35 cm) from folded edge around sides and bottom, tacking tops.
3. Position breast pocket flap above pockets so line of stitching will lie away from pocket.
4. Stitch to fronts 3/16 to 1/4 inch (0.50 to 0.65 cm) from overedged edge.
5. Turn flap sewn and raise stitch 1/4 to 5/16 inch (0.65 to 0.90 cm) from fold, tacking ends.
6. Turn pocket opening side of handwarmer pockets on shirt to inside and stitch 3/8 to 1/2 inch (1 to 12.5 cm) from folded edge for hem.
7. Position handwarmer pockets, turning seam allowance under and stitch 1/8 to 3/16 inch (0.35 to 0.50 cm) from folded edges.

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group listed in Tables 5 and 6. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

Table 5. Cold Weather Parka (ECWCS Gen I) Finished Measurements.

Size	Half Chest ¹	Back Length ²	Sleeve Length ³
X-Small X-Short	21 (53.35)	24 1/2 (62.25)	26 1/4 (66.65)
X-Small Short	21 (53.35)	25 1/2 (64.75)	26 3/4 (68)
X-Small Regular	21 (53.35)	27 (68.65)	27 3/4 (70.50)
X-Small Long	21 (53.35)	28 1/2 (72.50)	28 3/4 (73)
Small X-Short	23 (58.50)	25 (63.50)	26 1/2 (67.35)
Small Short	23 (58.50)	26 (66)	27 (68.65)
Small Regular	23 (58.50)	27 1/2 (69.85)	28 (71.10)
Small Long	23 (58.50)	29 (73.65)	29 (73.65)
Medium X-Short	25 (63.50)	25 1/2 (64.75)	26 3/4 (68)
Medium Short	25 (63.50)	26 1/2 (67.35)	27 1/4 (69.25)
Medium Regular	25 (63.50)	28 (71.10)	28 1/4 (71.75)
Medium Long	25 (63.50)	29 1/2 (75)	28 3/4 (73)
Large Short	27 (68.65)	27 (68.55)	27 1/2 (69.85)
Large Regular	27 (68.65)	28 1/2 (72.50)	28 3/4 (73)
Large Long	27 (68.65)	30 (76.25)	29 1/2 (75)
X-Large Long	29 (73.65)	30 1/2 (77.50)	29 3/4 (75.60)
Tolerance	± 3/4 (2)	±3/4 (2)	± 1/2 (1.25)
¹ With slide fastener closed and parka smoothed flat, measure 1/2 chest from folded edge at base of armhole seams. ² Measure center back length from neck seam to bottom of hem. ³ Measure sleeve length from armhole seam to bottom of sleeve along underarm seam.			

REPAIR – CONTINUED

Table 6. Cold Weather Trousers (ECWCS Gen I) Finished Measurements.

Size	Half Waist ¹	Inseam ²	Outseam ³
X-Small X-Short	15 (38)	26 1/2 (67.35)	35 (89)
X-Small Short	15 (38)	28 1/2 (72.50)	37 1/2 (95.25)
X-Small Regular	15 (38)	30 1/2 (77.50)	40 (101.60)
X-Small Long	15 (38)	32 1/2 (82.50)	42 1/2 (108)
Small X-Short	17 (43.10)	26 1/2 (67.35)	35 1/2 (90.25)
Small Short	17 (43.10)	28 1/2 (72.50)	38 (96.50)
Small Regular	17 (43.10)	30 1/2 (77.50)	40 1/2 (102.85)
Small Long	17 (43.10)	32 1/2 (82.50)	43 (109.25)
Medium X-Short	19 (48.25)	26 1/2 (67.35)	36 (91.50)
Medium Short	19 (48.25)	28 1/2 (72.50)	38 1/2 (97.75)
Medium Regular	19 (48.25)	30 1/2 (77.50)	41 (104.10)
Medium Long	19 (48.25)	32 1/2 (82.50)	43 1/2 (110.50)
Large Short	21 (53.35)	28 1/2 (72.50)	39 (99)
Large Regular	21 (53.35)	30 1/2 (77.50)	41 1/2 (105.40)
Large Long	21 (53.35)	32 1/2 (82.50)	44 (111.75)
X-Large Regular	23 (58.40)	30 1/2 (77.50)	42 (106.65)
X-Large Long	23 (58.40)	32 1/2 (82.50)	44 1/2 (113)
Tolerance	±1 1/2 (1.25)	±3/4 (2)	±1/2 (1.25)
¹ With trousers fastened, measure along center of waistband from folded edge to folded edge. ² Measure inseam of trousers from crotch seam to bottom edge of trouser leg hem. ³ With trouser flat, measure from top of waistband to trouser leg hem.			

REPAIR – CONTINUED

Table 7. Cold Weather Parka (ECWCS Gen I) Sizing Label Information.

X-Small X-Short	Small Short	Small Regular
Height: Up to 63 in. Chest Mn: Up to 33 in. Chest Wn: Up to 36 in. NSN: 8415-01-228-1306 NATO Size: 5060/7484	Height: 63 to 67 in. Chest Mn: 33 to 37 in. Chest Wn: 36 to 40 in. NSN: 8415-01-228-1311 NATO Size: 6070/8494	Height: 67 to 71 in. Chest Mn: 33 to 37 in. Chest Wn: 36 to 40 in. NSN: 8415-01-228-1312 NATO Size: 7080/8494
Small X-Short	Medium Short	Medium Regular
Height: Up to 63 in. Chest Mn: 33 to 37 in. Chest Wn: 36 to 40 in. NSN: 8415-01-228-1310 NATO Size: 5060/8494	Height: 63 to 67 in. Chest Mn: 37 to 41 in. Chest Wn: 40 to 44 in. NSN: 8415-01-228-1315 NATO Size: 6070/9404	Height: 67 to 71 in. Chest Mn: 37 to 41 in. Chest Wn: 40 to 44 in. NSN: 8415-01-228-1316 NATO Size: 7080/9404
Medium X-Short	Large Short	Large Regular
Height: Up to 63 in. Chest Mn: 37 to 41 in. Chest Wn: 40 to 44 in. NSN: 8415-01-228-1314 NATO Size: 5060/9404	Height: Up to 67 in. Chest: 41 to 45 in. NSN: 8415-01-228-1318 NATO Size: 6070/0414	Height: 67 to 71 in. Chest: 41 to 45 in. NSN: 8415-01-228-1319 NATO Size: 7080/0414
X-Small Short	X-Small Regular	X-Large Regular
Height: 63 to 67 in. Chest Mn: Up to 33 in. Chest Wn: Up to 36 in. NSN: 8415-01-228-1307 NATO Size: 6070/7484	Height: 67 to 71 in. Chest Mn: Up to 33 in. Chest Wn: Up to 36 in. NSN: 8415-01-228-1308 NATO Size: 7080/7484	Height: 67 to 71 in. Chest Mn: 45 in. and up NSN: 8415-01-228-1322 NATO Size: 7080/1424
X-Small Long	Medium Long	X-Large Long
Height: 71 in. and up Chest Mn: Up to 33 in. Chest Wn: Up to 36 in. NSN 8415-01-228-1309 NATO Size: 8090/7484	Height: 71 in. and up Chest Mn: 37 to 41 in. Chest Wn: 40 to 44 in. NSN: 8415-01-228-1317 NATO Size: 8090/9404	Height: 71 in. and up Chest Mn: 45 in. and up NSN: 8415-01-228-1322 NATO Size: 8090/1424
Small Long	Large Long	
Height: 71 in. and up Chest Mn: 33 to 37 in. Chest Wn: 36 to 44 in. NSN: 8415-01-228-1313 NATO Size: 8090/8494	Height: 71 in. and up Chest Mn: 41 to 45 in. NSN: 8415-01-228-1310 NATO Size: 8090/0414	

REPAIR – CONTINUED

Table 8. Cold Weather Trousers (ECWCS Gen I) Sizing Label Information.

X-Small X-Short	X-Small Short	X-Small Regular
Inseam: to 26 1/2 in. Waist: Up to 27 in. NSN: 8415-01-228-1336 NATO Size: 6067/5869	Inseam: 26 1/2 to 29 1/2 in. Waist: Up to 27 in. NSN: 8415-01-228-1337 NATO Size: 6775/5869	Inseam: 29 1/2 to 32 1/2 in. Waist: Up to 27 in. NSN: 8415-01-228-1338 NATO Size: 7583/5869
X-Small Long	Small X-Short	Small Short
Inseam: 32 1/2 to 35 in. Waist: Up to 27 in. NSN: 8415-01-228-1339 NATO Size: 8390/5869	Inseam: to 26 1/2 in. Waist: 27 to 31 in. NSN: 8415-01-228-1340 NATO Size: 6067/6979	Inseam: 26 1/2 to 29 1/2 in. Waist: 27 to 31 in. NSN: 8415-01-228-1341 NATO Size: 6775/6979
Small Regular	Small Long	Medium X-Short
Inseam: 29 1/2 to 32 1/2 in. Waist: 27 to 31 in. NSN: 8415-01-228-1342 NATO Size: 7583/6979	Inseam: 32 1/2 to 35 1/2 in. Waist: 27 to 31 in. NSN: 8415-01-228-1343 NATO Size: 8390/6979	Inseam: to 26 1/2 in. Waist: 31 to 25 in. NSN: 8415-01-228-1344 NATO Size: 6067/7989
Medium Short	Medium Regular	Medium Long
Inseam: 26 1/2 to 29 1/2 in. Waist: 31 to 35 in. NSN: 8415-01-228-1345 NATO Size: 6775/7989	Inseam: 29 1/2 to 32 1/2 in. Waist: 31 to 35 in. NSN: 8415-01-228-1346 NATO Size: 7583/7989	Inseam: to 35 1/2 in. Waist: 31 to 35 in. NSN: 8415-01-228-1347 NATO Size: 8390/7989
Large Short	Large Regular	Large Long
Inseam: 26 1/2 to 29 1/2 in. Waist: 35 to 39 in. NSN: 8415-01-228-1348 NATO Size: 6775/8999	Inseam: 29 1/2 to 32 1/2 in. Waist: 35 to 39 in. NSN: 8415-01-228-1349 NATO Size: 7583/8999	Inseam: 32 1/2 to 35 1/2 in. Waist: 35 to 39 in. NSN: 8415-01-228-1350 NATO Size: 8390/8999
X-Large Regular	X-Large Long	
Inseam: 29 1/2 to 32 1/2 in. Waist: Over 39 in. NSN: 8415-01-228-1351 NATO Size: 7583/9909	Inseam: 32 1/2 to 35 1/2 in. Waist: Over 39 in. NSN: 8415-01-228-1352 NATO Size: 8390/9909	

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COLD WEATHER COAT AND TROUSERS LINERS (ECWCS Gen I)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

FM 42-414
WP 0005
WP 0007

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Machine/Laundering****CAUTION**

Do not use chlorine bleach or starch. Discoloration and degradation of infrared protection capacity of the material will result.

The coat and trousers liners shall be laundered using the permanent press fabric cycle or by hand using warm water (90° F) and mild soap or detergent. Rinse thoroughly and drip dry or tumble dry on medium setting. DO NOT DRY CLEAN.

CAUTION

To prevent damage to the coat and trousers, dryer temperature should not exceed 90° F (32° C). Avoid over-drying and do not press since this will cause degradation to the component materials of the fabric laminate.

Dry at lowest fabric cycle such as delicate/gentle. Remove immediately at end of drying cycle.

To drip dry, remove from water and place garment on a rustproof hanger.

SERVICE – CONTINUED**Field Laundering**

The coat and trousers liners are to be laundered using Formula II of FM 42-414, Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support.

CAUTION

To prevent damage to the coat and trousers, dryer temperature should not exceed 90° F (32° C). Avoid over-drying liners and do not press because this will cause degradation to the component materials of the fabric laminate.

Dry in a tumble dryer, loaded not more than 2/3 of rated capacity at lowest fabric cycle. Remove immediately from dryer.

Post (Fixed) Laundry

The coat and trousers liners shall be laundered utilizing Natick Formula IV.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations, unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains, and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personnel marks shall be erased or obliterated.

Rips and Tears

Holes or worn areas on the liners which exceed 1/8 inch shall be patched and darned with precut patches of matching material for uniformity. Cut patches are to extend approximately 3/4 inch around perimeter of opening, providing not less than 3/8 inch turn-under at all edges except selvage edges. Darn holes and worn areas of less than 1/4 inch. Turn under frayed hems and edges and restitch. Use sharp needles to sew lining to prevent large needle holes or cutting fabric.

Stitching and Restitching

The location, stitch type, thread size, and stitches per inch are listed in Table 1. All stitches, seams, and stitching shall conform to ASTM D6193, Standard Practice for Stitches and Seams. Seam allowances shall be maintained with seams sewn so no raw edges, runoffs, pleats, puckers, or open seams occur. When two or more methods of stitching are given for the same operation, any one may be used.

The ends of all stitching on the liners shall be backstitched or bartacked at ends to prevent unraveling. Maintain proper thread tension to prevent loose stitching and to imbed the lock in the center of the material sewn. The looper thread shall be on the outside of the garment. Backstitch type 301 stitching not less than 1 inch at each end of break. Overlock thread breaks in overedge stitching not less than 3/4 inch. Thread size shall conform to V-T-276 of the types and sizes listed in Table 1.

REPAIR – CONTINUED

Table 1. Cold Weather Coat and Trousers Liners (ECWCS Gen I) Stitching Information.

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301 or 401	B	B	10–14
		B	AA	10–14
Buttonhole	–	B	B	52–56
Button	301 or 101	B	B	14–16
		B	–	20–24
Overedging	503 or 504	AA	AA	8–10
		–	–	
Bar tacking		B	B	28 each

Repair of Type 301 Stitching. Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) back of end of the interrupted stitching. Except for prestitching, thread breaks of two or more consecutive skipped or runoff stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) in back of defective area and continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and restitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Type 401, 502, 503, 515, 516, and 519 Stitching

These types of stitches are repaired in the same manner as type 301, except that repairs to type 401 stitching require both ends of all seams to have 1/2 inch (1.25 cm) minimum chain extending beyond each end unless they are caught in a seam or other stitching.

Bar tacks

Unless otherwise specified, all bar tacks shall be 3/8 +1 1/16 inch (1 +10 cm) long and 1/8 +1/32 inch (0.35 +0.10 cm) wide and shall contain 28 stitches. Bar tacking shall be free from thread breaks and loose stitching.

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones. Slide fasteners are not seam-sealed in; remove the one to be replaced and sew in a new one.

Snap Fasteners

Replace missing, loose, or damaged snap fasteners. Patch damaged area surrounding snap fastener sockets and studs prior to attaching snap fasteners.

REPAIR – CONTINUED**Marking and Resizing**

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Table 2 and Table 3. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

Table 2. Cold Weather Coat Liner (ECWCS Gen I) Finished Measurements.

Size	Half Chest ¹	Back Length ²	Sleeve Length ³
X-Small	23 (58.40)	27 1/2 (69.85)	22 (55.90)
Small	25 (63.50)	28 (71.10)	22 1/2 (57.15)
Medium	27 (68.60)	28 1/2 (72.40)	23 (58.40)
Large	29 (73.65)	29 (73.65)	23 1/2 (59.70)
X-Large	31 (78.75)	29 1/2 (74.90)	24 (60.95)
Tolerance	± 3/4 (2)	±3/4 (2)	± 1/2 (1.25)
¹ Half chest measurement taken with the liner flat and the front edges abutting, from folded edge to folded edge at the base of armhole. ² Back length measurement taken along center back from edge of neck to bottom edge of liner. ³ Sleeve measurement taken from center of top sleeve to bottom edge of sleeve.			

Table 3. Cold Weather Trousers Liner (ECWCS Gen I) Finished Measurements.

Size	Half Waist ¹	Inseam Short and Regular	Inseam Long
X-Small	17 1/2 (44.45)	22 (55.90)	26 (66.05)
Small	19 1/2 (49.50)	22 (55.90)	26 (66.05)
Medium	21 1/2 (54.60)	22 (55.90)	26 (66.05)
Large	23 1/2 (59.70)	22 (55.90)	26 (66.05)
X-Large	25 1/2 (64.80)	22 (55.90)	26 (66.05)
Tolerance	+3/4 (1.90) -1/2 (1.30)	+3/4 (1.90)	+3/4 (1.90)
¹ Measurement taken with the waist buttoned, and the liner laid flat and smooth. Measure across front at center of the waistband from side edge to side edge.			

REPAIR – CONTINUED

Table 4. Cold Weather Coat Liner (ECWCS Gen I) Sizing Label Information.

X-Small X-Short	X-Small	Small X-Short
Height: Up to 63 in. Chest Men's: Up to 33 in. Chest Women's: Up to 36 in. NSN: 8415-01-062-0679 NATO Size: 5060/7484	Height: Over 63 in. Chest Men's: Up to 33 in. Chest Women's: Up to 36 in. NSN: 8415-00-782-2886 NATO Size: 7080/7484	Height: Up to 63 in. Chest Men's: 33 to 37 in. Chest Women's: 36 to 40 in. NSN: 8415-01-062-0680 NATO Size: 5060/8494
Small	Medium X-Small	Medium
Height: Over 63 in. Chest Men's: 33 to 37 in. Chest Women's: 36 to 40 in. NSN: 8415-00-782-2887 NATO Size: 7080/8494	Height: Up to 63 in. Chest Men's: 37 to 41 in. Chest Women's: 40 to 44 in. NSN: 8415-01-062-0681 NATO Size: 5060/9404	Height: Over 63 in. Chest Men's: 37 to 41 in. Chest Women's: 40 to 44 in. NSN: 8415-00-782-2888 NATO Size: 7080/9404
Large	X-Large	
Height: Over 63 in. Chest Men's: 41 to 45 in. NSN: 8415-00-782-2889 NATO Size: 7080/0414	Height: Over 63 in. Chest Men's: Over 45 in. NSN: 8415-00-782-2890 NATO Size: 7080/1424	

Table 5. Cold Weather Trousers Liner (ECWCS Gen I) Sizing Label Information.

X-Small - Short and Regular	X-Small Long	Small Short and Regular
Waist: Below 27 in. Inseam: Up to 32 1/2 in. NSN: 8415-00-782-2992 NATO Size: 6783/5869	Waist: Below 27 in. Inseam: Over 32 1/2 in. NSN: 8415-00-782-2993 NATO Size: 8390/5869	Waist: From 27 to 31 in. Inseam: Up to 32 1/2 in. NSN 8415-00-782-2994 NATO Size. 6783/6979
Small Long	Medium - Short and Regular	Medium Long
Waist: From 27 to 31 in. Inseam: Over 32 1/2 in. NSN: 8415-00-782-2925 NATO Size: 8390/6979	Waist: From 31 to 35 in. Inseam: Up to 32 1/2 in. NSN: 8415-00-782-2926 NATO Size: 6783/7989	Waist: From 31 to 35 in. Inseam: Over 32 1/2 in. NSN: 8415-00-782-2927 NATO Size: 8390/7989
Large - Short and Regular	Large Long	X-Large - Short and Regular
Waist: From 35 to 39 in. Inseam: Up to 32 1/2 in. NSN: 8415-00-782-2928 NATO Size: 6783/8999	Waist: From 35 to 39 in. Inseam: Over 32 1/2 in. NSN: 8415-00-782-2929 NATO Size: 8390/8999	Waist: From 39 to 43 in. Inseam: Up to 32 1/2 in. NSN: 8415-01-180-0377 NATO Size: 6783/9909
	X-Large Long	
	Waist: From 39 to 43 in. Inseam: Over 32 1/2 in. NSN: 8415-00-782-2931 NATO Size: 8390/9909	

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COLD WEATHER FIBERPILE SHIRT AND OVERALLS (ECWCS GEN I)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
 Scissors, 8-inch (WP 0084, Item 22)
 Sewing Machine, Light Duty (WP 0084, Item 31)
 Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
 Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

FM 10-16
 FM 42-414
 WP 0005
 WP 0007

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Machine/Laundering****CAUTION**

Do not use chlorine bleach or starch. Discoloration and degradation of infrared protection capacity of the material will result.

The shirt and overalls are to be laundered using a delicate/gentle fabric cycle or by hand using cold water (up to 85° F [27° C]) and cold water laundry detergent. Rinse in clear, cold water.

Dry at lowest fabric cycle such as delicate/gentle. Remove immediately at end of drying cycle.

To drip dry, remove from water and place garment on a rustproof hanger.

Field Laundering

The shirt and overalls are to be laundered using Formula II of FM 42-414.

SERVICE – CONTINUED**CAUTION**

To prevent damage to the fiberpile shirt and overalls, dryer temperature should not exceed 90° F (32° C). Avoid over-drying and do not press as this will cause degradation to the component materials of the fabric laminate.

Dry in a tumble dryer loaded not more than 2/3 of rated capacity at lowest fabric cycle. Remove immediately from dryer.

Post (Fixed) Laundry

The shirt and overalls shall be laundered utilizing Natick Formula II.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains, and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayon. Non-specific and personal marks shall be erased or obliterated.

Rips and Tears

Holes or worn areas on the shirt and overalls which exceed 1/8 inch shall be patched and darned using pre-cut patches of matching material for uniformity. Cut patches to extend approximately 3/4 inch around perimeter of opening, providing not less than 3/8 inch turn-under at all edges except selvage edges. Darn holes and worn areas of less than 1/4 inch. Turn under frayed hems and edges and re-stitch. Use sharp needles to sew lining to prevent large needle holes or cutting fabric.

Stitching and Restitching

The location, stitch type, thread size, and stitches per inch are listed in Table 1 and Table 2. All stitches, seams, and stitching shall conform to ASTM-D-6193. Seam allowances shall be maintained with seams sewn so no raw edges, runoffs, pleats, puckers, or open seams occur. When two or more methods of stitching are given for the same operation, any one may be used.

The ends of all stitching on the liners shall be backstitched or bartacked at ends to prevent unraveling. Maintain proper thread tension to prevent loose stitching and to embed the lock in the center of the material sewn. The looper thread shall be on the outside of the garment. Backstitch type 301 stitching not less than 1 inch at each end of break. Overlock thread breaks in overedge stitching not less than 3/4 inch. Thread size shall conform to V-T-276 of the types and sizes listed in Table 1.

REPAIR – CONTINUED

Table 1. Cold Weather Fiberpile Shirt (ECWCS Gen I) Stitching Information.

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	B	B	8–10
Assembling breast pockets (overedge stitch)	502 or 503	B	B	8–10
Stitching breast pockets, cut-out corners	301 or 401	B	B	8–10
Assembling shirt: join fronts to sleeves, stitch underarm insert to fronts and sleeves; join back to sleeves, collar, and side seams and sleeve seam	515, 516, or 519	B	B	8–10
Attaching shirt sleeve, front, and back seams	301 or 515, 516, 519	B	B	8–10

Table 2. Cold Weather Fiberpile Overalls (ECWCS Gen I) Stitching Information.

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	B	B	8–10
Assembling overall around periphery of all pattern pieces (overedge stitch)	502 or 503	B	B	8–10

Repair of Type 301 Stitching

Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) back of the end of the interrupted stitching. Except for pre-stitching, thread breaks of two or more consecutive skipped or runoff stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) in back of defective area; continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and restitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Type 401, 502, 503, 515, 516, and 519 Stitching

These types of stitches are repaired in the same manner as Type 301, except that repairs to Type 401 stitching requires both ends of all seams to have 1/2 inch (1.30 cm) minimum chain extending beyond each end unless they are caught in a seam or other stitching.

REPAIR – CONTINUED

Bar Tacks

Unless otherwise specified, all bar tacks shall be 3/8 +1 1/16 inch (1 +10 cm) long and 1/8 +1/32 inch (0.35 +0.10 cm) wide and shall contain 28 stitches. Bar tacking shall be free from thread breaks and loose stitching.

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones. Slide fasteners are not seam sealed in; remove the one to be replaced and sew in a new one. Refer to Table 3 for slide fastener length.

Table 3. Cold Weather Fiberpile Shirt (ECWCS Gen I) Slide Fastener Lengths.

ITEM	X-SMALL <u>INCH</u> CM	SMALL <u>INCH</u> CM	MEDIUM <u>INCH</u> CM	LARGE <u>INCH</u> CM	X-LARGE <u>INCH</u> CM
Replace Slide Fastener	12 1/8	12 1/4	12 3/8	12 1/2	15 5/8
	30.8	31.1	31.5	31.75	39.7

Snap Fasteners

Replace missing, loose, or damaged snap fasteners. Patch damaged area surrounding snap fastener sockets and studs prior to attaching snap fasteners.

Drawcords and Barrel Locks

Replace missing or defective drawcords in lengths to match original construction. Drawcord ends shall be heat-seared and knotted. Refer to Table 4 for proper lengths. Replace barrel locks as required.

Table 4. Cold Weather Fiberpile Shirt (ECWCS Gen I) Drawcord Lengths.

ITEM	X-SMALL <u>INCH</u> CM	SMALL <u>INCH</u> CM	MEDIUM <u>INCH</u> CM	LARGE <u>INCH</u> CM	X-LARGE <u>INCH</u> CM	TOLERANCE <u>INCH</u> CM
Hem Drawcord	39 3/4	41 3/4	43 3/4	45 3/4	47 3/4	±1
	101	106	111.10	116.25	121.25	±2.50
Hanger Tape	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	±1
	14	14	14	14	14	±2.50

Elastic Webbing

Replace defective elastic webbing at bottom of shirt.

Hangers

Replace defective or missing neck hanger loops. Construct hangers by folding a strip of textile tape and double stitch on the underside.

Pocket Flaps

Repair or replace torn, missing, or defective flaps. Restitch ripped seams or loose B stitching.

REPAIR – CONTINUED**Pockets**

Restitch loose or ripped pockets. Replace missing or defective pockets with new ones using brown fiberpile synthetic cloth.

1. To attach pockets and flaps to fronts, turn in edges of breast pocket 1/2 inch (1.25 cm) if not pre-hemmed.
2. Position pockets and stitch 1/16 to 1/8 inch (0.15 to 0.35 cm) from folded edge around sides and bottom, tacking tops.
3. Position breast pocket flap above pockets so line of stitching will lie away from pocket.
4. Stitch to fronts 3/16 to 1/4 inch (0.50 to 0.65 cm) from overedged edge.
5. Turn flap sewn and raise stitch 1/4 to 5/16 inch (0.65 to 0.90 cm) from fold, tacking ends.
6. Turn pocket opening side of handwarmer pockets on shirt to inside and stitch 3/8 to 1/2 inch (1 to 12.5 cm) from folded edge for hem.
7. Position handwarmer pockets, turning seam allowance under and stitch 1/8 to 3/16 inch (0.35 to 0.50 cm) from folded edges.

Eyelets

Replace missing, loose, badly split, and off-center eyelet holes. Darn enlarged eyelet holes with polyester thread. Punch holes receiving eyelets smaller than outside diameter of eyelet barrel so that barrel must be forced through the material.

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Table 5 and Table 6. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

Table 5. Cold Weather Fiberpile Shirt (ECWCS Gen I) Finished Measurements.

Size	Half Chest ¹	Back Length ²	Sleeve Length ³
X-Small	18 5/8 (47.35)	26 3/4 (68)	32 1/4 (82)
Small	20 5/8 (52.40)	27 1/4 (69.25)	33 1/4 (84.50)
Medium	22 5/8 (57.50)	27 3/4 (70.50)	34 1/4 (87)
Large	24 5/8 (62.50)	28 1/4 (71.75)	35 1/4 (89.50)
X-Large	26 5/8 (67.60)	28 3/4 (73)	36 1/4 (92)
Tolerance	±1/2 (1.25)	±3/4 (2)	±3/4 (2)
¹ With the slide fastener closed and shirt lying flat and as smooth as possible, continue an imaginary seam line from the sleeve and front yoke seam to a point under the arm dividing the underarm insert approximately in half. ² Measure down center back from collar seam to bottom edge of shirt. ³ Measure from center back at collar, diagonally to sleeve yoke point, at center edge of sleeve hem.			

REPAIR – CONTINUED

Table 6. Cold Weather Fiberpile Overalls (ECWCS Gen I) Finished Measurements.

Size	Half Chest ¹	Back Length ²	Outseam ³
X-Small	16 (40.65)	23 (58.50)	37 1/2 (95.25)
X-Small Long	16 (40.65)	27 (68.50)	42 (106.65)
Small	18 (45.75)	23 (58.50)	38 (96.50)
Small Long	18 (45.75)	27 (68.50)	42 1/2 (108)
Medium	20 (50.85)	23 (58.50)	38 1/2 (97.75)
Medium Long	20 (50.85)	27 (68.50)	43 (109.25)
Large	21 (53.35)	23 (58.50)	39 (99)
Large Long	21 (53.35)	27 (68.50)	43 1/2 (110.50)
X-Large	22 (55.85)	23 (58.50)	39 1/2 (100.35)
X-Large Long	22 (55.85)	27 (68.50)	44 (111.75)
Tolerance	±1/2 (1.25)	±3/4 (2)	±3/4 (2)
¹ Half chest measurements taken 1 in. below front top from seam to seam. ² Inseam measurements taken from the center of the crotch to the bottom edge of the leg along the seam. ³ Outseam measurements taken from the top edge of the seam to the bottom edge of the leg.			

Table 7. Cold Weather Fiberpile Shirt (ECWCS Gen I) Sizing Label Information.

X-Small	Small	Medium
Chest: Under 33 in. NSN: 8415-01-228-1353 NATO Size: 7080/7484	Chest: 33 to 37 in. NSN: 8415-01-228-1354 NATO Size: 7080/8494	Chest: 37 to 41 in. NSN: 8415-01-228-1355 NATO Size: 7080/9404
Large	X-Large	
Chest: 41 to 45 in. NSN: 8415-01-228-1356 NATO Size: 7080/0414	Chest: 45 in. and up NSN: 8415-01-228-1357 NATO Size: 7080/1424	

REPAIR – CONTINUED

Table 8. Cold Weather Fiberpile Overalls (ECWCS Gen I) Sizing Label Information.

X-Small Short/Regular	X-Small Long	Small Short/Regular
Inseam: to 32 1/2 in. Waist: Under 27 in. NSN: 8415-01-228-1323 NATO Size: 6783/5869	Inseam: Over 32 1/2 in. Waist: Under 27 in. NSN: 8415-01-228-1324 NATO Size: 8390/5869	Inseam: to 32 1/2 in. Waist: 27 to 31 in. NSN: 8415-01-228-1325 NATO Size: 6783/6979
Small Long	Medium Short Regular	Medium Long
Inseam Over 32 1/2 in. Waist: 27 to 31 in. NSN 8415-01-228-1326 NATO Size: 8390/6979	Inseam: to 32 1/2 in. Waist: 31 to 35 in NSN: 8415-01-228-1327 NATO Size: 6783/7989	Inseam: Over 32 1/2 in. Waist: 31 to 35 in. NSN: 8415-01-228-1328 NATO Size: 8390/7989
Large Short/Regular	Large Long	X-Large Short/Regular
Inseam: to 32 1/2 in. Waist: 35 to 39 in. NSN: 8415-01-228-1329 NATO Size: 6783/8999	Inseam: Over 32 1/2 in. Waist: 35 to 39 in. NSN: 8415-01-228-1330 NATO Size: 8390/8999	Inseam: to 32 1/2 in. Waist: Over 39 in. NSN: 8415-01-228-1331 NATO Size: 6783/9909
	X-Large Long	
	Inseam: Over 32 1/2 in. Waist: Over 39 in. NSN: 8415-01-228-1332 NATO Size: 8390/9909	

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COLD WEATHER POLYPROPYLENE UNDERSHIRT AND DRAWERS (ECWCS GEN I)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
 Scissors, 8-inch (WP 0084, Item 22)
 Sewing Machine, Light Duty (WP 0084, Item 31)
 Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
 Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
 WP 0007
 FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Machine/Laundering****CAUTION**

Do not use chlorine bleach or starch. Discoloration and degradation of infrared protection capacity of the material will result.

The undershirt and drawers are to be laundered using delicate wash cycle or wash by hand in cold water (85° F) and cold water detergent. Rinse in clean cold water.

CAUTION

To prevent damage to the parka and trousers, dryer temperature should not exceed 90° F (32° C). Avoid over-drying and do not press since this will cause degradation to the component materials of the fabric laminate.

Dry at lowest fabric cycle such as delicate/gentle. Remove immediately at end of drying cycle.

To drip dry, remove from water and place garment on a rustproof hanger.

SERVICE – CONTINUED

Post (Fixed) Laundry

The undershirt and drawers shall be laundered utilizing Natick Formula IV.

END OF TASK

REPAIR

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains, and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personnel marks shall be erased or obliterated.

Rips and Tears

Holes or worn areas on the undergarments which exceed 1/8 inch shall be patched and darned using pre-cut patches of matching material for uniformity. Cut patches to extend approximately 3/4 inch around perimeter of opening, providing not less than 3/8 inch turn-under at all edges except selvage edges. Darn holes and worn areas of less than 1/4 inch. Turn under frayed hems and edges and restitch. Use sharp needles to sew lining to prevent large needle holes or cutting fabric.

Stitching and Restitching

The location, stitch type, thread size, and stitches per inch are listed in Table 1. All stitches, seams, and stitching shall conform to ASTM D6193, Standard Practice for Stitches and Seams. Seam allowances shall be maintained with seams sewn so no raw edges, runoffs, pleats, puckers, or open seams occur. When two or more methods of stitching are given for the same operation, any one may be used.

The ends of all stitching on the liners shall be backstitched or bar tacked at ends to prevent raveling. Maintain proper thread tension to prevent loose stitching and to embed the lock in the center of the material sewn. The looper thread shall be on the outside of the garment. Backstitch type 301 stitching not less than 1 inch at each end of break. Overlock thread breaks in overedge stitching not less than 3/4 inch. Thread size shall conform to V-T-276 of the types and sizes listed in Table 1 and Table 2.

Table 1. Cold Weather Polypropylene Undershirt (ECWCS Gen I) Stitching Information.

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
Stitch, slide fastener to collar (undershirt only)	301 or 401	100	100	2–16
Repair seams	503 or 504	100	100	12–16

REPAIR – (CONTINUED)**Table 2. Cold Weather Polypropylene Drawers (ECWCS Gen I) Stitching Information.**

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	B	B	10–13
Assembling suspender loops	3/8 inch bar tack	B	B	21–28 each
Assembling front fly (overedge stitch)	504 or 516	B	B	10–13
Hemming waistband seam (overedge stitch)	515 or 516	B	B	10–13
Hemming waistband (general and overedge)	301	B	B	10–13

Repair of Type 301 Stitching

Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) back of end of the interrupted stitching. Except for pre-stitching, thread breaks of two or more consecutive skipped or runoff stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) in back of defective area; continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials, and restitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Type 401, 502, 503, 515, 516, and 519 Stitching

These types of stitches are repaired in the same manner as type 301, except that repairs to type 401 stitching requires both ends of all seams to have 1/2 inch (1.30 cm) minimum chain extending beyond each end unless they are caught in a seam or other stitching.

Bar Tacks

Unless otherwise specified, all bar tacks shall be 3/8 +1 1/16 inch (1 +10 cm) long and 1/8 +1/32 inch (0.35 +0.10 cm) wide and shall contain 28 stitches. Bar tacking shall be free from thread breaks and loose stitching.

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones. Slide fasteners are not seam-sealed in; remove the one to be replaced and sew in a new one.

Snap Fasteners

Replace missing, loose, or damaged snap fasteners. Patch damaged area surrounding snap fastener sockets and studs prior to attaching snap fasteners.

REPAIR – (CONTINUED)**Elastic Webbing**

Replace defective elastic webbing at bottom of shirt.

Hangers

Replace defective or missing neck hanger loops. Construct hangers by folding a strip of textile tape and double stitch on the underside.

Pocket Flaps

Repair or replace torn, missing, or defective flaps. Restitch ripped seams or loose B stitching.

Pockets

Restitch loose or ripped pockets. Replace missing or defective pockets with new ones using brown fiberpile synthetic cloth.

1. To attach pockets and flaps to fronts, turn in edges of breast pocket 1/2 inch (1.25 cm) if not pre-hemmed.
2. Position pockets and stitch 1/16 to 1/8 inch (0.15 to 0.35 cm) from folded edge around sides and bottom, tacking tops.
3. Position breast pocket flap above pockets so line of stitching will lie away from pocket.
4. Stitch to fronts 3/16 to 1/4 inch (0.50 to 0.65 cm) from overedged edge.
5. Turn flap sewn and raise stitch 1/4 to 5/16 inch (0.65 to 0.90 cm) from fold, tacking ends.
6. Turn pocket opening side of handwarmer pockets on undershirt to inside and stitch 3/8 to 1/2 inch (1 to 12.5 cm) from folded edge for hem.
7. Position handwarmer pockets, turning seam allowance under and stitch 1/8 to 3/16 inch (0.35 to 0.50 cm) from folded edges.

Eyelets

Replace missing, loose, badly split, and off-center eyelet holes. Darn enlarged eyelet holes with polyester thread. Punch holes receiving eyelets smaller than outside diameter of eyelet barrel so that barrel must be forced through the material.

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Table 3 through Table 6. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned

REPAIR – (CONTINUED)

NOTE

All measurements shall be taken with the slide fasteners closed and the overall placed smooth and flat on a table.

Table 3. Cold Weather Polypropylene Undershirt (ECWCS Gen I) Finished Measurements.

Size	Half Cuff Width ¹	Cuff Length ²	Half Neck ³	Half Chest ⁴	Back Length ⁵	Sleeve Length ⁶
X-Small	3 1/2	2 1/2	7 1/2	19	25 1/4	19
Small	3 1/2	2 1/2	7 3/4	21	26 1/4	20
Medium	4	2 1/2	8	23	27 1/4	21
Large	4	2 1/2	8 1/4	25	28 1/4	22
X-Large	4 1/2	2 1/2	8 1/2	27	29 1/4	23

¹Measure at base of armhole, from folded edge to folded edge.
²Measure along center back, from collar seam to bottom of undershirt.
³Measure along underarm, from bottom of cuff to armhole seam.
⁴With slide fastener closed, measure from folded edge to folded edge.
⁵Measure cuff width at center of cuff, from folded edge to folded edge.
⁶Measure from base of sleeve to bottom of cuffs.

Table 4. Cold Weather Polypropylene Drawers (ECWCS Gen I) Finished Measurements.

Size	Half Waist ¹	Inseam ²	Half Cuff Width ³	Half Cuff Length ⁴
X-Small	10 1/2	28 1/2	3 1/2	3
Small	11 1/2	29 1/2	3 1/2	3
Medium	12 1/2	30 1/2	4	3
Large	13 1/2	31 1/2	4	3
X-Large	14 1/2	32 1/2	4 1/2	3

¹Measure along center of waistband, from folded edge to the folded edge.
²Measure Inseam of drawers from crotch seam to bottom edge of drawers' leg cuff.
³Measure width of cuff from folded edge at center of cuff.
⁴Measure length of cuff from seam edge of ribbing to bottom edge of hem.

Table 5. Cold Weather Polypropylene Undershirt (ECWCS Gen I) Sizing Label Information.

X-Small	Small	Medium
Waist: Below 27 in. NSN: 8415-01-227-9542 NATO Size: 7583/5869	Waist: From 27 to 31 in. NSN: 8415-01-227-9543 NATO Size: 7583/6979	Waist: From 31 to 35 in. NSN: 8415-01-227-9544 NATO Size: 7583/7989
Large	X-Large	
Waist: From 35 to 39 in. NSN: 8415-01-227-9545 NATO Size: 7583/8999	Waist: From 39 to 43 in. NSN: 8415-01-227-9546 NATO Size: 7583/9909	

REPAIR – (CONTINUED)

Table 6. Cold Weather Polypropylene Drawers (ECWCS Gen I) Sizing Label Information.

X-Small	Small	Medium
Waist: Below 27 in. NSN: 8415-01-227-9542 NATO Size: 7583/5869	Waist: From 27 to 31 in. NSN: 8415-01-227-9543 NATO Size: 7583/6979	Waist: From 31 to 35 in. NSN: 8415-01-227-9544 NATO Size: 7583/7989
Large	X-Large	
Waist: From 35 to 39 in. NSN: 8415-01-227-9545 NATO Size: 7583/8999	Waist: From 39 to 43 in. NSN: 8415-01-227-9546 NATO Size: 7583/9909	

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COLD WEATHER PARKA RUFF AND BALACLAVA HOOD (ECWCS GEN I)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
 Scissors, 8-inch (WP 0084, Item 22)
 Sewing Machine, Light Duty (WP 0084, Item 31)
 Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
 Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

FM 10-16
 FM 42-414
 MIL-F-10884F
 WP 0005
 WP 0007

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Machine/Laundering****CAUTION**

Do not use chlorine bleach or starch. Discoloration and degradation of infrared protection capacity of the material will result.

The hood is to be laundered using delicate wash cycle or wash by hand in cold water (85° F) and cold water detergent. Rinse in clean, cold water.

CAUTION

To prevent damage to the hood, dryer temperature should not exceed 90° F (32° C). Avoid over-drying and do not press since this will cause degradation to the component materials of the fabric laminate.

Dry the hood at lowest fabric cycle such as delicate/gentle. Remove immediately when dry.

To drip dry, remove from water and place garment on a rustproof hanger.

SERVICE – CONTINUED**CAUTION**

To prevent damage to the fur ruff (collar), do not tumble dry and DO NOT DRY CLEAN.

The fur ruff (collar) shall be laundered using the permanent press fabric cycle or by hand, using warm water (90° F) and a mild soap or detergent. Rinse thoroughly and drip dry. Do not tumble dry. Do not dry clean.

Field Laundering

The fur ruff is to be laundered in accordance with FM 42-414, Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support, with wash and rinse temperature of 90° F. The fur ruff must be air dried at room temperature. Do not put in any type of dryer or expose fur ruff to heat above 90° F (doing so causes the fur ruff material to become matted and non-functional). Do not dry clean.

Post (Fixed) Laundry

The coat and trouser liners shall be laundered utilizing Natick Formula IV.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains, and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personnel marks shall be erased or obliterated.

Rips and Tears

Holes or worn areas which exceed 1/8 inch shall be patched and darned using pre-cut patches of matching material for uniformity. Cut patches to extend approximately 3/4 inch around perimeter of opening, providing not less than 3/8 inch turn-under at all edges except selvage edges. Darn holes and worn areas of less than 1/4 inch. Turn under frayed hems and edges and restitch. Use sharp needles to sew lining to prevent large needle holes or cutting fabric.

Stitching and Restitching

The location, stitch type, thread size, and stitches per inch are listed in Table 1. All stitches, seams, and stitching shall conform to ASTM D6193, Standard Practice for Stitches and Seams. Seam allowances shall be maintained with seams sewn so no raw edges, runoffs, pleats, puckers, or open seams occur. When two or more methods of stitching are given for the same operation, any one may be used.

The ends of all stitching shall be backstitched or bar tacked at ends to prevent raveling. Maintain proper thread tension to prevent loose stitching and to embed the lock in the center of the material sewn. The looper thread shall be on the outside of the garment. Backstitch type 301 stitching not less than 1 inch at each end of break. Overlock thread breaks in overedge stitching not less than 3/4 inch. Thread size shall conform to V-T-276, of the types and sizes listed in Table 1.

REPAIR – CONTINUED**Table 1. Cold Weather Parka Ruff (ECWCS Gen I) Stitching Information.**

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	B	B	10–13

Repair of Type 301 Stitching

Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) back from the of end of the interrupted stitching. Except for pre-stitching, thread breaks of two or more consecutive skipped or runoff stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) in back of defective area; continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and restitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Bar Tacks

Unless otherwise specified, all bar tacks shall be 3/8 + 1 1/16 inch (1 + 10 cm) long and 1/8 + 1/32 inch (0.35 + 0.10 cm) wide and shall contain 28 stitches. Bar tacking shall be free from thread breaks and loose stitching.

Snap Fasteners

Replace missing, loose, or damaged snap fasteners. Patch damaged area surrounding snap fastener sockets and studs prior to attaching snap fasteners.

Hook-and-Loop Fasteners

The ruff has a 1-inch-wide hook fastener tape (with an approximate cut length of 2 inches), Olive Green 106, for the attachment points connecting the ruff to the ECWCS parka and 2-inch-wide hook-and-loop fastener tape (with an approximate cut length of 3 3/8 inches), Olive Green 106, for the ends of the ruff. Both tapes shall conform to Type II, Class 1 of MIL-F-21840. The ruff also has male (stud and post) snap fasteners, Style 2A, conforming to MIL-F-10884F, Fasteners, Snap.

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Table 2 and Table 3. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

REPAIR – CONTINUED

Table 2. Cold Weather Parka (ECWCS Gen I) Finished Measurements.

	X-Small	Small	Medium	Large	X-Large	Tolerance
Length ¹	34	34 1/2	35 1/2	35 3/4	36 1/4	±1/4
¹ The finished measurement shall be taken with the ruff lying flat on a table, fur face down, and measuring from end to end along the snap fastener edge. The ruff is designed to fit the ECWCS parka of the same size.						

Table 3. Extended Cold Weather Parka (ECWCS Gen I) Sizing Label Information.

X-Small	Small	Medium
Fits all lengths of X-Small Parka NSN: 8415-01-315-9765 NATO Size: 7080/7484	Fits all lengths of Small Parka NSN: 8415-01-315-9766 NATO Size: 7080/8494	Fits all lengths of Medium Parka NSN: 8415-01-315-9767 NATO Size: 7080/8494
Large	X-Large	
Fits all lengths of Large Parka NSN: 8415-01-315-9768 NATO Size: 7080/0414	Fits all lengths of X-Large Parka NSN: 8415-01-315-9769 NATO Size: 7080/1424	

END OF TASK

END OF WORK PACKAGE

CHAPTER 5
FIELD MAINTENANCE
FOR
ECWCS GEN III CLOTHING

**FIELD MAINTENANCE
EXTREME COLD WEATHER PARKA AND TROUSERS (ECWCS GEN III)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
 Scissors, 8-inch (WP 0084, Item 22)
 Sewing Machine, Light Duty (WP 0084, Item 31)
 Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
 Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

FM 10-16
 FM 42-414
 WP 0005
 WP 0007

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Field Laundering****CAUTION**

Do not starch, bleach, or use fabric softeners. Discoloration and degradation of infrared protection capacity of the material will result.

The parka shall be field laundered using Formula II of FM 42-414, Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support, Appendix E.

Machine Laundering**CAUTION**

Do not starch, bleach, or use fabric softeners. Discoloration and degradation of infrared protection capacity of the material will result.

The garment shall be machine-laundered using the delicate/gentle fabric cycle or by hand. Use lukewarm water (90° F [32° C]) and cold water laundry detergent.

Rinse in clean, cold water.

SERVICE – CONTINUED**Drying****CAUTION**

Drying temperature for garment must not exceed 130° F (54° C). Degradation of the component materials will result.

Do not press or use fabric softeners. Degradation of the component materials will result.

Dry in tumble dryer at temperatures not exceeding 130° F (54° C) as degradation of the component materials will result. Avoid over-drying. To drip dry, place on a rustproof hanger.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains, and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personnel marks shall be erased or obliterated.

Filling Material Repair

The filling material (batting) of the parka and trousers is constructed so that it will not separate or fall out unless tears or holes are large. If the garment cannot be patched as described below, the item should be classified Code H.

Iron-on Patches

1. Cut patches to the desired size and shape such that the patch, when applied, will extend approximately 3/4 inch (1.9 cm) in all directions from the tear or damaged area. Patches will have rounded corners.
2. With the garment unzipped, place the area to be patched on a wooden or other nonmetallic surface not affected by heating or ironing.
3. Smooth out by hand.
4. Pre-warm the area to be patched by pressing with a household electric dry or steam iron. Use a dry iron set at "cotton" or as high as possible without scorching the fabric for about 5 seconds.
5. Immediately cover with patching material previously cut in the desired size and shape.
6. Hold the iron on the patch for about 8 seconds. Use only a slight rotating or reciprocal motion of the iron.
7. Allow to cool about 5 seconds or long enough so that the patch will not drift off when the patched garment is removed from the table. Adjust the heating, pressing, and cooling times as required for the specific iron being used.

REPAIR – CONTINUED

8. Check the quality of the adhesive bond periodically as follows and adjust heating times and temperatures of the iron accordingly.

NOTE

A bonded patch which has a lifted edge or which is suspected or found by the check test to be weakly bonded may be re-ironed (e.g., replacement is not required).

A small amount of patch adhesive strike-through is not objectionable for garment repair, provided the patch meets the check test.

9. Test a patch that has cooled for about 5 minutes by picking with the fingers at an edge of the patch until a tab 1/4 to 1/2 inch (0.635 to 1.27 cm) long is formed. Pull hard on the tab with fingers. A well-bonded tab will be difficult to peel off. This will indicate that iron adjustment and time heating the patch is adequate.
10. Replace the test patch with a new patch, or re-iron the old patch.

Restitching

CAUTION

Restitching of the garment can only be done at the edge binding. Do not perform restitching on an area that would result in the compression of the filling material.

Restitch using sewing machine, thread, and stitch listed in Table 1. Restitch directly over the original stitch pattern as closely as possible. Lock each row of stitching by backstitching at least 3/4 inch (1.905 cm). Maintain thread tension to prevent loose stitching.

Table 1. Extreme Cold Weather Parka and Trousers (ECWCS Gen III) Stitching Requirements.

COMPONENT	RECOMMENDED SEWING MACHINE (CODE SYMBOL)	STITCHES PER INCH	TYPE	THREAD SIZE	SEAM TYPE
Extreme Cold Weather Trousers					
Back seam and inseam	Medium Duty	9–12	301	B	SSa-2
Side seams	Medium Duty	9–12	301	B	LSq-3
Attachment of knee patches	Medium Duty	9–12	301	B	LSd-1 or LSd-2
Bottom hemming	Medium Duty	9–12		301	EFb-1
Waistband lining	Medium Duty	9–12		301	OSf-1
Hook/loop	Medium Duty	9–12		301	OSf-1
Zippers	Medium Duty	9–12		301	--
Zipper pull bartack (4 per garment)	Bartack	3/4-inch bartack		B	--
Extreme Cold Weather Parka					
General restitching	Medium Duty	9–12	301	B	--
Hook-and-loop tape fastener	Medium Duty	9–12	301	B	--
Zipper pull bar tack (6 per garment)	Bartack	3/4-inch bar tack		B	--

REPAIR – CONTINUED**Drawcord Repair**

1. Remove defective drawcord.
2. Cut a length of drawcord IAW Table 2 or Table 3.
3. Cut and sear ends.
4. Knot one end of drawcord with a figure-eight knot located 3/8 to 5/8 inch (0.953 to 1.588 cm) from the end.
5. At one end of casing, pass unknotted end of drawstring through opening and position drawstring within the casing with the unknotted end protruding approximately two inches from other end of casing and on opposite side.
6. Knot the other end of drawcord with a figure-eight knot located 3/8 to 5/8 inch (0.953 to 1.588 cm) from the end.
7. If necessary, run drawcords through appropriate spring locks.
8. If spring locks are connected with tape, replace tape.
 - a. Remove stitching holding tape in place.
 - b. Measure and cut a new piece of tape the same size, type, and color as the original.
 - c. Sear both ends of the tape.
 - d. Thread the tape through the barrel lock.
 - e. Sew the tape back in the original position.
9. If one end of the drawcord is sewn in place, cut the old cord as close as possible to the seam and re-sew new cord in same position.

Hook-and-Loop Fastener Tape Repair**NOTE**

No slit or split edges are permitted. Sew all hook-and-loop fastener tapes a minimum of 1/8 inch from bound selvage to prevent needle cutting along edges. To prevent unraveling, do not sew directly on selvage. However, each required width shall maintain a tolerance of $\pm 1/32$ inch as to prevent stitching runoffs or improper fit into automatic sewing equipment.

1. Remove stitching holding damaged hook-and-loop fastener tape to the component.
2. Cut a new piece of hook-and-loop fastener tape of the same size as the original.
3. Using the sewing machine and thread indicated in Table 1, sew the hook-and-loop fastener tape in the same position as the original.

Repair of Type 301 Stitching

Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) from the back of the end of the interrupted stitching. Except for prestitching, thread breaks of two or more

REPAIR – CONTINUED

consecutive skipped or runoff stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) in back of defective area and continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and restitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Bar Tacks

Unless otherwise specified, all bar tacks shall be 3/8 +1 1/16 inch (1 +10 cm) long and 1/8 +1/32 inch (0.35 +0.10 cm) wide and shall contain 28 stitches. Bar tacking shall be free from thread breaks and loose stitching.

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones. Slide fasteners are not seam-sealed in; remove the one to be replaced and sew in a new one. Refer to Table 2 and Table 3 for slide fastener lengths. Refer to the following paragraphs for slide fastener types.

Fly Slide Fastener (Trousers)

The fly slide fastener (zipper) shall be plastic continuous element, Type I, Style 13 (double slider, mouth-to-mouth, autolock, that allows the zipper to open from top and bottom), No. 5 chain, with 175 lbs. minimum crosswise strength. The zipper shall be connected/attached to water-repellent treated tape, and each slider shall have long pull tabs with thongs. The material for the thongs shall be 1/4-inch nylon tape binding. The color of the slide fastener and thong shall be Urban Gray 505 for UCP garments.

Side Leg Slide Fastener (Trousers)

The side leg slide fasteners (zippers) shall be plastic individual element, Type III, Style 13 (separating, except separating pins shall be set at top waistband level, double slider, mouth-to-mouth, autolock, that allows the zipper to open from top and bottom), No. 5 chain with 100 lbs. minimum crosswise strength. The zippers shall be connected/attached to water-repellent treated tape, and each slider shall have long pull tabs with thongs, except that the bottom slider thongs shall be shortened to 3/4 to 1 inch finished length. The material for the thongs shall be 1/4-inch nylon tape binding. The color of the slide fastener and thong shall be Urban Gray 505 for UCP garments.

Front Closure Slide Fasteners (Parka)

Front closure zippers shall be plastic individual element, Type III, Style 13 (separating double autolock sliders such that it opens both from top and bottom), No. 5 chain with 100 lbs. minimum crosswise strength with water resistant treated tape and thong on top slider in shade Urban Gray 505 for UCP garments.

Pocket Slide Fasteners (Parka)

Pocket zippers shall be plastic individual element, Type I, Style 7 (closed ends, autolock slide that closes when pulled upward), No. 5 chain with 100 lbs. minimum crosswise strength with water-resistant treated tape and thong in shade Urban Gray 505 for UCP garments.

Drawcords and Barrel Locks

Replace missing or defective drawcords in lengths to match original construction. Drawcord ends shall be heat-seared and knotted. Refer to Table 2 and Table 3 for proper lengths. Replace barrel locks as required.

REPAIR – CONTINUED

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Table 2 and Table 3. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

Table 2. Extreme Cold Weather Trousers Sizing Information.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
WAIST RELAXED ¹	13 1/2	15 1/2	17 1/2	19 1/2	21 1/2	23 1/2	-0.25" , +0.50"
INSEAM ²	28 1/2	28 1/2	28 1/2	28 1/2	28 1/2	28 1/2	±0.50"
OUTSEAM ³	40 1/2	41	41 1/2	42	42 1/2	43	±0.50"
LEG OPENING - FINISHED ⁴	7	7 1/2	8	8 1/2	9	9 1/2	±0.25"
FRONT FLY ZIPPER LENGTH ⁵	10	10 1/2	11	11 1/2	12	12 1/2	±0.50"
SIDE LEG ZIPPER LENGTH ⁶	39	39 1/2	40	40 1/2	41	41 1/2	±0.50"
SHORT	XS	S					
INSEAM ²	26 1/2	26 1/2					±0.50"
OUTSEAM ³	38	38 1/2					±0.50"
FRONT FLY ZIPPER LENGTH ⁵	9 1/2	10					±0.50"
SIDE LEG ZIPPER LENGTH ⁶	36 1/2	37					±0.50"
LONG		S	M	L	XL	2XL	
INSEAM ²		30 1/2	30 1/2	30 1/2	30 1/2	30 1/2	±0.50"
OUTSEAM ³		43 1/2	44	44 1/2	45	45 1/2	±0.50"
FRONT FLY ZIPPER LENGTH ⁵		11	11 1/2	12	12 1/2	13	±0.50"
SIDE LEG ZIPPER LENGTH ⁶		42	42 1/2	43	43 1/2	44	±0.50"
XLONG					XL	2XL	
INSEAM ²					32 1/2	32 1/2	±0.50"
OUTSEAM ³					47 1/2	48	±0.50"
FRONT FLY ZIPPER LENGTH ⁵					13	13 1/2	±0.50"
SIDE LEG ZIPPER LENGTH ⁶					46	46 1/2	±0.50"
¹ Waist measurement taken flat from edge to edge at top of waist. ² Inseam is measured from bottom of crotch point straight to hem on inside of leg. ³ Outseam measurement taken from top of waistband to hem. ⁴ Leg opening is taken from edge to edge at bottom leg hem in a relaxed state. ⁵ Front fly zipper is measured from bottom of waistband to top of zipper stop. ⁶ Side leg zipper is measured from top of bottom stop to bottom of top stop. SEAM ALLOWANCE: 1/2 in. on all seams							

REPAIR – CONTINUED

Table 3. Extreme Cold Weather Parka Sizing Information.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
ACROSS CHEST ¹	25 1/2	27 1/2	29 1/2	31 1/2	33 1/2	35 1/2	-0.25", +0.50"
BACK LENGTH ²	31	31 1/2	32	32 1/2	33	33 1/2	±0.50"
SLEEVE LENGTH FROM CB ³	36	36 3/4	37 1/2	38 1/4	39	39 3/4	±0.50"
CF ZIPPER LENGTH ⁴	30	30 1/2	31	31 1/2	32	32 1/2	±0.50"
CUFF FINISHED MEASUREMENT ⁵	5	5 1/4	5 1/2	5 3/4	6	6 1/4	±0.25"
POCKET ZIPPER LENGTH ⁶	9	9	9	9	9	9	±0.50"
HOOD DEPTH ⁷	11	11 1/2	12	12 1/2	13	13 1/2	±0.25"
HOOD OPENING ⁸	15 3/4	16	16 1/4	16 1/2	16 3/4	17	±0.25"
FRT HOOD OPENING CORD FINISHED KNOT ⁹	32 1/2	33	33 1/2	34	34 1/2	35	±0.50"
HEM ELASTIC CORD ⁹	60	64	68	72	76	80	±0.50"
INSIDE POCKET ELASTIC MEASUREMENT ⁹	7 1/2	8	8 1/2	9	9 1/2	10	
CUFF ELASTIC MEASUREMENT ⁹	3 1/2	3 1/2	4	4	4 1/2	4 1/2	
SHORT	XS	S					
BACK LENGTH	30	30 1/2					±0.50"
SLEEVE LENGTH FROM CB	34 1/2	35 1/4					±0.50"
CF ZIPPER LENGTH	29	29 1/2					±0.50"
LONG		S	M	L	XL	2XL	
BACK LENGTH		32 1/2	33	33 1/2	34	34 1/2	±0.50"
SLEEVE LENGTH FROM CB		38 1/4	39	39 3/4	40 1/2	41 1/4	±0.50"
CF ZIPPER LENGTH		31 1/2	32	32 1/2	33	33 1/2	±0.50"
X-LONG					XL	2XL	
BACK LENGTH					35	35 1/2	±0.50"
SLEEVE LENGTH FROM CB					42	42 3/4	±0.50"
CF ZIPPER LENGTH					34	34 1/2	±0.50"

¹Across chest measurement is taken at bottom of armhole flat from edge to edge.
²Back length measurement is taken from bottom of center back neck straight to bottom of hem.
³Sleeve length from CB is taken from bottom of center back neck straight to sleeve hem with sleeve extended out flat.
⁴CF zipper opening is taken from top of top stop to bottom of bottom stop.
⁵Cuff opening is taken from edge to edge at sleeve hem flat and relaxed.
⁶Front pocket zipper is measured from bottom of top stop to top of bottom zipper stop.
⁷Hood depth is measured 9 inches up from neck point with hood folded in half and flat from the back of the hood to the front.
⁸Hood opening is measured with hood fold in half flat from bottom of hood opening to top of hood at hood opening.
⁹For construction purposes only not for measuring.
 SEAM ALLOWANCE: 1/2 in. on all seams except for 3/8 in. on neckline.

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
WET WEATHER JACKET AND TROUSERS
(ECWCS GEN III EXTREME COLD/WET WEATHER LAYER)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

A-A-55634A
FM 10-16
FM 42-414
WP 0005
WP 0007
WP 0015

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Field Laundering**

Jacket shall be laundered utilizing Formula II of FM 42-414, Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support.

Reapplication of Durable Water Repellent Finish

Reapply the durable water repellent finish on the exterior surface of the garment as needed. See the section Post (Fixed) Laundry in WP 0015.

Field Drying

Tumble dry at low temperature setting. Remove immediately from dryer. Do not overheat or over dry.

Field Restoration of Water-Repellent Finish

Jacket shall be laundered utilizing Formula XII of FM 42-414. Dry jacket at a temperature not to exceed 130° F.

SERVICE – CONTINUED**Machine Laundering****NOTE**

Any residual detergent on the jacket will decrease the water repellency.

Use delicate/gentle fabric cycle setting or hand-wash using a detergent. Rinse thoroughly in warm water.

Drying

Tumble dry on low setting. Remove immediately from dryer. Do not overheat or over dry. To drip dry, place on a rustproof hanger.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains, and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personal marks shall be erased or obliterated.

Rips and Tears

Any stitching/restitching/patching required to repair the parka and trousers must be heat sealed before the garment is placed back into service. This will prevent water from penetrating through the holes created during stitching.

Heat Sealing

Heat sealing tape is used to repair rips up to 25 inches missing the inner tricot knit of garments and to seal restitched seams. Sealing is necessary to maintain the waterproof characteristics of the garment. The entire width of the sealing tape shall be hot adhesive sealed over the seam or stitching on the inside. The heat sealing machine is used to apply heat and pressure to the adhesive coated seam tape and patches in order to affix them permanently to the outer shell cloth. All seam tapes shall overlap a minimum of 3/4 inch at joining points. Up to three repairs totaling 15 inches may thus be applied to the parka or trousers. Seam tape may also be used to repair areas where the original tape does not overlap sewn seams by the minimum 1/8 inch on both sides.

REPAIR – CONTINUED**CAUTION**

Temperature of iron shall not exceed 350° F with the addition of steam to prevent melting of the nylon tricot layer of the fabric.

NOTE

If the heat seam sealer is not available, a commercial iron on a high steam setting or a tailoring iron on a medium setting may be used.

1. Test temperature of iron to ensure proper setting. Apply heat to sample piece of heat sealing tape to ensure nylon tricot layer does not melt. Adjust setting if necessary.
2. To apply heat sealing tape, place appropriate length of tape to inside of garment on area to be repaired. With adhesive side of the tape against repair apply iron in one location at a time. Do not slide the iron back and forth.
3. Apply pressure for 15 seconds. Turn garment to right side and apply iron to same area again for 15 seconds to allow heat sealing tape to set.

Patching and Darning. Holes or worn areas on the liners that exceed 1/8 inch shall be patched and darned using precut patches of matching material for uniformity. Cut patches to extend approximately 3/4 inch around perimeter of opening, providing not less than 3/8 inch turn-under at all edges except selvage edges. Darn holes and worn areas of less than 1/4 inch. Turn under frayed hems and edges and restitch. Use sharp needles to sew lining to prevent large needles holes or cutting fabric.

Stitching and Restitching

The location, stitch type, thread size, and stitches per inch are listed in Table 1 and Table 2. All stitches, seams, and stitching shall conform to ASTM-D-6193. Seam allowances shall be maintained with seams sewn so no raw edges, runoffs, pleats, puckers, or open seams occur. When two or more methods of stitching are given for the same operation, any one may be used.

Any stitching/restitching/patching required to repair the parka and trousers must be heat sealed before the garment may be placed back into service. This will prevent water from penetrating through the holes created during stitching

**Table 1. Wet Weather Jacket and Trousers (ECWCS Gen III Cold/Wet Weather Layer)
Stitching Requirements.**

COMPONENT	RECOMMENDED SEWING MACHINE (CODE SYMBOL)	STITCHES PER INCH	TYPE	THREAD SIZE	SEAM TYPE
Wet Weather Trousers (ECWCS Gen III/Cold Wet Weather Trousers)					
Inseams	Light Duty	9–12	301	B	LSq-2
Side seams	Light Duty	9–12	301	B	LSq-2
Seat seam	Light Duty	9–12	301	B	LSq-2
Horizontal knee patch seam	Light Duty	9–12	301	B	LSq-2
Crotch seam	Light Duty	9–12	301	B	LSq-2
Leg adjustment strap	Light Duty	9–12	301	B	SSc-1
Zipper pull bar tack (3 per garment)	Bar Tack	3/4-inch bar tack		B	--

REPAIR – CONTINUED

**Table 2. Wet Weather Jacket and Trousers (ECWCS Gen III Cold/Wet Weather Layer)
Stitching Requirements – Continued.**

COMPONENT	RECOMMENDED SEWING MACHINE (CODE SYMBOL)	STITCHES PER INCH	TYPE	THREAD SIZE	SEAM TYPE
Wet Weather Jacket (ECWCS Gen III/Cold Wet Weather Jacket)					
Side seams	Light Duty	9–12	301	B	SSa-1
Underarm seams	Light Duty	9–12	301	B	SSa-1
Arm sleeve seams	Light Duty	9–12	301	B	SSa-1
Shoulder seams	Light Duty	9–12	301	B	SSa-1
Hood tunnel and center seams	Light Duty	9–12	301	B	SSa-1
Front upper and lower quadrant horizontal seams	Light Duty	9–12	301	B	SSa-1
General restitching	Light Duty	9–12	301	B	--
Hook-and-loop fastener tape	Light Duty	9–12	301	B	--
Zipper pull bar tack (3 per garment)	Bar Tack	3/4-inch bar tack		B	--

Drawcord Repair

1. Remove defective drawcord.
2. Cut a length of drawcord IAW Table 2 or Table 3.
3. Cut and sear ends.
4. Knot one end of drawcord with a figure-eight knot located 3/8 to 5/8 inch (0.953 to 1.588 cm) from the end.
5. At one end of casing pass unknotted end of drawstring through opening and position drawstring within the casing with the unknotted end protruding approximately 2 inches from other end of casing and on opposite side.
6. Knot the other end of drawcord with a figure-eight knot located 3/8 to 5/8 inch (0.953 to 1.588 cm) from the end.
7. If necessary, run drawcords through appropriate spring locks.
8. If spring locks are connected with tape, replace tape.
 - a. Remove stitching holding tape in place.
 - b. Measure and cut a new piece of tape the same size, type, and color as the original.
 - c. Sear both ends of the tape.
 - d. Thread the tape through the barrel lock.
 - e. Sew the tape back in the original position.
9. If one end of the drawcord is sewn in place, cut the old cord as close as possible to the seam and re-sew new cord in same position.

REPAIR – CONTINUED**Hook-and-Loop Fastener Tape Repair****NOTE**

No slit or split edges are permitted. Sew all hook-and-loop fastener tapes a minimum of 1/8 inch from bound selvage to prevent needle cutting along edges. To prevent unraveling, do not sew directly on selvage. However, each required width shall maintain a tolerance of $\pm 1/32$ inch as to prevent stitching runoffs or improper fit into automatic sewing equipment.

1. Remove stitching holding damaged hook-and-loop fastener tape to the component.
2. Cut a new piece of hook-and-loop fastener tape of the same size as the original.
3. Using the sewing machine and thread indicated in Table 1, sew the hook-and-loop fastener tape in the same position as the original.

Repair of Type 301 Stitching

Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) back from the end of the interrupted stitching. Except for prestitching, thread breaks of two or more consecutive skipped or runoff stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) in back of the defective area; continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and restitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Bar Tacks

Unless otherwise specified, all bar tacks shall be $3/8 + 1/16$ inch (1 + 10 cm) long and $1/8 + 1/32$ inch (0.35 + 0.10 cm) wide and shall contain 28 stitches. Bar tacking shall be free from broken/loose stitching.

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones. Slide fasteners are not seam sealed in; remove the one to be replaced and sew in a new one. Refer to Table 2 and Table 3 for slide fastener lengths. Refer to the following paragraphs for slide fastener types.

Fly Slide Fastener (Trousers). Fly slide fastener (zipper) shall be A-A-55634, Zippers (Fasteners, Slide Interlocking), No. 5 continuous element chain, with 175 lbs. minimum crosswise strength, Type I, Style 4, auto-lock slider, open-top, closed-bottom stop with water-repellent treated tape, Foliage Green 504 shade. Leg opening slide fasteners (zippers) are the same except use non-lock slider reversed such that face side of slide fastener (zipper) is tape side to maximize water repellence also pulling up on slider opens slide fastener (zipper) whereas fly slide fastener (zipper) closes.

Attach left slide fastener (zipper) tape to fly slide fastener (zipper) cover facing with seam LSbj-1 per pattern placement. Seam facing to outer shell fly cut edge with SSa-1, turn and top-stitch for SSc-1 finished seam. Top-stitch J-stitch 1 3/8 inch from cover edge and finish top-stitching at slide fastener (zipper) bottom tape. Finished slide fastener (zipper) cover shall be 3/8 inch nominal from slide fastener (zipper) chain.

REPAIR – CONTINUED

For slide fastener (zipper) backing (right), sew backing pattern strips together with SSa-1 seam, turn and top-stitch for SSC-1 finished seam at 1/16 inch from edge. Sew right side slide fastener (zipper) tape to backing strip and outer shell fly cut edge with SSa-1. Turn and top-stitch assembly together 1/16 inch from edge turn-in along slide fastener (zipper) tape. Finished appearance shall show 1 inch backing from slide fastener (zipper) chain and 3/16 inch nominal slide fastener (zipper) tape. When slide fastener (zipper) is engaged the slide fastener (zipper) cover shall effectively cover slide fastener (zipper) and top-stitch of backing and snap fastener stud and socket shall be aligned.

Side Leg Slide Fastener (Trousers). Fly slide fastener (zipper) shall be A-A-55634, No. 5 continuous element chain, with 175 lbs. minimum crosswise strength, Type I, Style 4, auto-lock slider, open-top, closed-bottom stop with water-repellent treated tape, Foliage Green 504 shade. Leg opening slide fasteners (zippers) are same except use non-lock slider reversed such that face side of slide fastener (zipper) is tape side to maximize water repellence also pulling up on slider opens slide fastener (zipper) whereas fly slide fastener (zipper) closes.

Sew three, 5/8 x 3 inch hook strips on inner slide fastener (zipper) cover and three loop strips on outer slide fastener (zipper) cover per pattern placement. Fold in half lengthwise, and sew slide fastener (zipper) cover sides with SSa-1, turn inside out and top stitch along three sides 3/16 inch nominal from edges. Sew slide fastener (zipper) tape to outer shell fabric with seam LSba-2. Top-stitch 1/16 inch nominal from edge. Slide fastener (zipper) tape side shall be exposed to maximize water-resistance. Slide fastener (zipper) closes when slider is pulled down. Sew two cover strips with LSbl-2 with top-stitch 3/16 inch nominal along edge. Insert leg adjustment tab into lower portion of seam with hook tape side up. Finished appearance shall show inner cover fitting inside outer cover in a flat even manner when slide fastener (zipper) is engaged. Hook-and-loop tape strips shall be in alignment and leg adjustment tab inserted under outer cover.

Front Closure Slide Fasteners (Parka). The slide fastener for the front closure shall be plastic individual element, A-A-55634, Type III, Style 13 (separating double auto-lock sliders such that open either from top or bottom), No. 5 chain with a 100 lbs. minimum crosswise strength with a water-repellent-treated slide fastener tape and thong on top slider. The color shall be Foliage Green 504 for UCP garments.

Sew left pin side slide fastener (zipper) extension tape with slide fastener (zipper), slide fastener (zipper) cover and front outer shell with SSa-1, turn and top-stitch 1/16 inch nominal from turn-in. Repeat operation for right box side. Catch lower ends of extension and cover strips into hem and double stitch. Finished appearance of slide fastener (zipper) covers shall be 1 3/4 inch width nominal with 1/2 inch nominal protruding slide fastener (zipper) extensions. Slide fastener (zipper) pin and box and slide fastener (zipper) cover hook and loop strips shall be in alignment when engaged.

Pocket Slide Fasteners (Parka). The slide fastener for the front closure shall be plastic individual element, A-A-55634, Type III, Style 13 (separating double auto-lock sliders such that open either from top or bottom), No. 5 chain with a 100 lbs. minimum crosswise strength with a water-repellent-treated slide fastener tape and thong on top slider. The color shall be Foliage Green 504 for UCP garments.

Per pattern placement (between upper and lower horizontal quadrant seams) top-stitch right and left sides of slide fastener (zipper) tape to outer shell fabric with LSb-1 seam, including slide fastener (zipper) top and bottom. Attach pocket slide fastener (zipper) cover strips to outer shell fabric with LSq-2 seam and top-stitch 1 3/8 inch nominal from cover edge inserting each end into quadrant seams. Finished slide fastener (zipper) cover shall cover zipper in flat even manner with no wrinkles or puckering.

Drawcords and Barrel Locks

Replace missing or defective drawcords in lengths to match original construction. Drawcord ends shall be heat seared and knotted. See Table 2 and Table 3 for proper lengths. Replace barrel locks as required.

REPAIR – CONTINUED

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Table 2 and Table 3. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

Table 3. Wet Weather Trousers (ECWCS Gen III Cold/Wet Weather Trousers) Sizing Information.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
WAIST RELAXED ¹	16	18	20	22	24	26	-0.25", +0.50"
INSEAM ²	29	29	29	29	29	29	±0.50"
OUTSEAM ³	40 1/2	41	41 1/2	42	42 1/2	43	±0.50"
LEG OPENING - RELAXED ⁴	7	7 1/2	8	8 1/2	9	9 1/2	±0.25"
FRONT FLY ZIPPER OPENING ⁵	8	8	8 1/2	8 1/2	9	9	±0.50"
SIDE LEG ZIPPER OPENING ⁶	25	25	25	25	25	25	±0.50"
WAIST RELAXED CORD KNOTTED ⁷	34	38	42	46	50	54	±0.50"
SHORT	XS	S					
INSEAM ²	27	27					±0.50"
OUTSEAM ³	38	38 1/2					±0.50"
FRONT FLY ZIPPER OPENING ⁵	7 1/2	7 1/2					±0.50"
SIDE LEG ZIPPER OPENING ⁶	23	23					±0.50"
LONG		S	M	L	XL	2XL	
INSEAM ²		31	31	31	31	31	±0.50"
OUTSEAM ³		43 1/2	44	44 1/2	45	45 1/2	±0.50"
FRONT FLY ZIPPER OPENING ⁵		8 1/2	9	9	9 1/2	9 1/2	±0.50"
SIDE LEG ZIPPER OPENING ⁶		27	27	27	27	27	±0.50"
XLONG					XL	2XL	
INSEAM ²					33	33	±0.50"
OUTSEAM ³					47 1/2	48	±0.50"
FRONT FLY ZIPPER OPENING ⁵					10	10	±0.50"
SIDE LEG ZIPPER OPENING ⁶					29	29	±0.50"

¹Waist measurement taken flat from folded edge to folded edge.
²Inseam is measured from bottom of crotch point straight to hem on inside of leg.
³Outseam measurement taken from top of waist to hem.
⁴Leg opening measurement is taken from folded edge to folded edge in a relaxed state.
⁵Front fly zipper is measured from bottom of waist top-stitch to top of zipper stop.
⁶Side leg zipper is measured from top of stop to bottom of bottom stop.
⁷For construction purposes only.

SEAM ALLOWANCE: 1/4 in. - all seams except for 3/8 in. leg zipper construction.

REPAIR – CONTINUED

Table 4. Wet Weather Jacket (ECWCS Gen III Cold/Wet Weather Jacket) Sizing Information.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
ACROSS CHEST ¹	24 1/4	26 1/4	28 1/4	30 1/4	32 1/4	34 1/4	-0.25", +0.50"
BACK LENGTH ²	29 1/2	30	30 1/2	31	31 1/2	32	±0.50"
SLEEVE LENGTH FROM CB ³	35 1/2	36 1/4	37	37 3/4	38 1/2	39 1/4	±0.50"
CUFF OPENING - FINISHED ⁴	5 1/2	5 3/4	6	6 1/4	6 1/2	6 3/4	±0.25"
CF ZIPPER LENGTH ⁵	27	27 1/2	28	28 1/2	29	29 1/2	±0.50"
COLLAR SPREAD WITH ZIPPER ⁶	22 1/2	23 1/2	24 1/2	25 1/2	26 1/2	27 1/2	±0.25"
COLLAR WIDTH AT CF	4	4	4	4	4	4	±0.25"
CUT ELASTIC CUFF MEASUREMENT ⁷	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	±0.25"
POCKET ZIPPER LENGTH ⁸	12	12	12	12	12	12	±0.25"
HOOD DEPTH ⁹	11 1/2	12	12 1/2	13	13 1/2	14	±0.25"
HOOD HEIGHT AT OPENING ¹⁰	15 1/2	15 3/4	16	16 1/4	16 1/2	16 3/4	±0.25"
FRT HOOD OPENING CORD ⁷	35	35 1/2	36	36 1/2	37	37 1/2	±0.25"
SHORT	XS	S					
BACK LENGTH ²	28 1/2	29					±0.50"
SLEEVE LENGTH FROM CB ³	34	34 3/4					±0.50"
CF ZIPPER LENGTH ⁵	26	26 1/2					±0.50"
LONG		S	M	L	XL	2XL	
BACK LENGTH ²		31	31 1/2	32	32 1/2	33	±0.50"
SLEEVE LENGTH FROM CB ³		37 3/4	38 1/2	39 1/4	40	40 3/4	±0.50"
CF ZIPPER LENGTH ⁵		28 1/2	29	29 1/2	30	30 1/2	±0.50"
XLONG					XL	2XL	
BACK LENGTH ²					33 1/2	34	±0.50"
SLEEVE LENGTH FROM CB ³					41 1/2	42 1/2	±0.50"
CF ZIPPER LENGTH ⁵					31	31 1/2	±0.50"
¹ Across chest measurement is taken from folded edge to fold edge bottom of armhole. ² Back length measurement is taken from bottom of center back neck straight to hem. ³ Sleeve length is taken from CB neck point to shoulder point then along the outer flattened folded edge of sleeve straight to bottom of hem. ⁴ Cuff opening is taken from edge to edge at sleeve hem flat and relaxed. ⁵ CF zipper opening shall start and end at the outer edges of both zipper stops. ⁶ Collar spread measurement is taken from edge to edge flat including zipper. ⁷ For construction purposes only. ⁸ Front pocket zipper measurements shall start and end at the outer edges of both zipper stops. ⁹ Hood depth is measured 9 inches up from neck point with hood folded in half and flat from the back of the hood to the front. ¹⁰ Hood height is measured with hood folded flat at front opening from base of hood to top of hood. SEAM ALLOWANCE: 1/4 in. all seams except for 3/8 in. CF construction.							

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COLD WEATHER JACKET AND TROUSERS
(ECWCS GEN III SOFT SHELL JACKET AND TROUSERS)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

A-A-55634A
ASTM D6193
FM 10-16
FM 42-414E
WP 0005
WP 0007
WP 0015

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Machine Laundering****CAUTION**

Do not use chlorine bleach or starch. Discoloration and degradation of infrared protection capacity of the material will result.

The garment shall be machine laundered using the delicate/gentle fabric cycle or laundered by hand. Use cold water (up to 90° F [32° C]) and cold water laundry detergent. Rinse in clean, cold water.

CAUTION

Do not press.

Dry in tumble dryer at temperature not exceeding 130° F (54° C) as degradation of the component materials will result. Avoid over-drying.

To drip dry, place on a rustproof hanger.

Reapply the durable water repellent finish as needed. See the section Post (Fixed) Laundry in WP 0015.

SERVICE – CONTINUED**Field Laundering****CAUTION**

Do not use chlorine bleach or starch. Discoloration and degradation of Infrared protection capacity of the material will result.

The garment shall be field laundered using Formula II of FM 42-414E, Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains, and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personnel marks shall be erased or obliterated.

Rips and Tears

Holes or worn areas on the garments which exceed 1/8 inch shall be patched and darned using precut patches of matching material for uniformity. Cut patches to extend approximately 3/4 inch around perimeter of opening, providing not less than 3/8 inch turn-under at all edges except selvage edges. Darn holes and worn areas of less than 1/4 inch. Turn under frayed hems and edges and re-stitch. Use sharp needles to sew lining to prevent large needle holes or cutting fabric.

Stitching and Re-stitching

The location, stitch type, thread size, and stitches per inch are listed in Table 1 and Table 2. All stitches, seams, and stitching shall conform to ASTM D6193, Standard Practice for Stitches and Seams. Seam allowances shall be maintained with seams sewn so no raw edges, runoffs, pleats, puckers, or open seams occur. When two or more methods of stitching are given for the same operation, any one may be used.

The ends of all stitching on the liners shall be backstitched or bar tacked at ends to prevent raveling. Maintain proper thread tension to prevent loose stitching and to embed the lock in the center of the material sewn. The looper thread shall be on the outside of the garment. Backstitch type 301 stitching not less than 1 inch at each end of break. Overlock thread breaks in overedge stitching not less than 3/4 inch. Thread size shall conform to V-T-295 of the types and sizes listed in Table 1.

REPAIR – CONTINUED

Table 1. Cold Weather Jacket and Trousers (ECWCS Gen III) Stitching Information.

COMPONENT	STITCHES PER INCH	TYPE	THREAD SIZE	SEAM TYPE
Cold Weather Jacket				
Side quadrant seams	9–12	503 or 504	B	SSa-1
Underarm seams	9–12	503 or 504	B	SSa-1
Arm sleeve seams	9–12	503 or 504	B	SSa-1
Back shoulder horizontal seam	9–12	503 or 504	B	SSa-1
Vertical center back seam	9–12	503 or 504	B	SSa-1
Horizontal hide-away collar/hood seams	9–12	503 or 504	B	SSa-1
Front horizontal upper chest seams	9–12	503 or 504	B	SSa-1
Cold Weather Trousers				
Side seams	9–12	503 or 504	B	SSa-1
Inseams	9–12	503 or 504	B	SSa-1
Crotch seam	9–12	503 or 504	B	SSa-1
Seat seam	9–12	503 or 504	B	SSa-1
Horizontal knee patch seams	9–12	503 or 504	B	SSa-1

Table 2. Cold Weather Jacket and Trousers (ECWCS Gen III) Bar Tack Stitching Requirements.

Trouser Bar Tack Location	Bar Tack Length, Inch	Quantity per Garment
Belt loops	1/2	24
Fly bottom	1/2	3
Pocket ends	1/2	4
Cargo pocket	1/2	6
Cargo pocket flap	1/2	4
Cuff	1/2	2
Lower leg zipper flap top	1/2	2
Stirrup loops	1/2	4
Side zipper hip flap bottom	1/2	2
Suspender loops	3/4	16
Zipper pulls	3/4	5
Jacket Bar Tack Location		
Collar	1/2	2
Sleeve pocket	1/2	4
Sleeve pocket flap	1/2	4
Front pocket ends	1/2	4
Pit zipper ends	1/2	4
Zipper pulls	3/4	5

REPAIR – CONTINUED**Repair of Type 301 Stitching**

Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) back of end of the interrupted stitching. Except for pre-stitching, thread breaks of two or more consecutive skipped or run-off stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) back from the defective area; continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and re-stitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Type 401, 502, 503, 515, 516, and 519 Stitching

These types of stitches are repaired in the same manner as type 301, except that repairs to type 401 stitching requires both ends of all seams to have 1/2 inch (1.30 cm) minimum chain extending beyond each end unless they are caught in a seam or other stitching.

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones. Slide fasteners are not seam sealed in; remove the one to be replaced and sew in a new one. Refer to Table 2 and Table 3 for slide fastener lengths. Refer to the following paragraphs for slide fastener types.

Fly Slide Fastener (Trousers)

The slide fastener for the fly and side waist slide fasteners (zippers) shall be in accordance with A-A-55634A, Zippers (Fasteners, Slide Interlocking), No. 5 continuous element chain, with 175 lbs. minimum crosswise strength, Type I, Style 4, autolock slider with thong, open top, closed bottom stop with water repellent treated tape. The color shall be Foliage Green 504.

Over-edge interfacing to inside of outer slide fastener (zipper) cover facing. Attach left slide fastener (zipper) tape to fly slide fastener (zipper) cover facing with double seam LSbj-2 (double topstitch 1/8 inch nominal apart) per pattern placement. Seam facing to outer-shell fly cut edge with SSa-1, turn and top-stitch for SSc-1 finished seam. Double J-stitch, 1 1/2 inches nominal from cover edge and finish top-stitching at slide fastener (zipper) bottom tape. Sew second J-stitch, 1/4 inch further out. Finished slide fastener (zipper) cover shall be 1/2 inch nominal from slide fastener (zipper) chain.

Sew backing pattern strips together with SSa-1 seam, turn and top-stitch for SSc-1 finished seam at 1/16 inch from edge. Sew right side slide fastener (zipper) tape to backing strip and outer-shell fly cut edge with SSa-1. Turn and top-stitch assembly together 1/16 inch from edge turn-in along slide fastener (zipper) tape. When slide fastener (zipper) is engaged the slide fastener (zipper) cover shall effectively cover slide fastener (zipper) and top-stitch of backing and snap fastener stud and socket shall be aligned.

REPAIR – CONTINUED**Side Leg Slide Fastener (Trousers)**

The leg opening slide fasteners (zippers) shall be the same as above except a non-lock slider on reverse chain with a water-repellent treated tape and thong to maximize the water repellency shall be used. Also, “pulling up” on slider opens leg slide fasteners (zippers); whereas fly and side waist slide fasteners (zippers) close. The color shall be Foliage Green 504.

Over-edge cover, backing strip, and outer-shell edges. Fold slide fastener (zipper) cover strips longitudinally in half and insert interfacing. Top-stitch length of cover strip 1/16 inch from edge. Repeat process for slide fastener (zipper) backing strips, except without interfacing; sew with 4 top-stitched rows 1/4 inch apart. Sew slide fastener (zipper) tape to cover strip with seam SSa-1, turn and top-stitch along outer-shell 1/16 inch from edge going through slide fastener (zipper) tape. At bottom of seam insert leg adjustment tab and double-stitch through width of tab. Sew other slide fastener (zipper) tape to backing strip and outer-shell fabric with SSa-1. Turn and top-stitch 1/16 inch along edge. Finished appearance shall show cover in flat even manner covering slide fastener (zipper) and all lower stitch lines. Slide fastener (zipper) closes when slider is pulled down. Slide fastener (zipper) shall not protrude beyond slide fastener (zipper) cover.

Waistband Side Slide Fastener

The slide fastener for the fly and side waist slide fasteners (zippers) shall be in accordance with A-A-55634, Zippers (Fasteners, Slide Interlocking), No. 5 continuous element chain, with 175 lbs. minimum crosswise strength, Type I, Style 4, autolock slider with thong, open-top, closed-bottom stop with water-repellent-treated tape. The color shall be Foliage Green 504.

Slide fastener (zippers) allow for quick release of back and side waistband assemblies. For side waistband, fold slide fastener (zipper) cover strips longitudinally in half and insert interfacing. Top-stitch length of strip 1/16 inch from edge. Repeat process for slide fastener (zipper) backing strips except without interfacing, sew with 4 topstitched rows 1/4 inch apart and over-edge inside edge. Sew slide fastener (zipper) tape, backing strip, slide fastener (zipper) cover, outer-shell with knit interfacing and pocket pouch assembly with SSa-1, turn, and top-stitch 1/16 inch along outer-shell edge from cover. For back waistband, sew other slide fastener (zipper) tape side to double layer seat outer-shell slit with over- edging with SSa-1, turn and top-stitch 1/16 inch along outer-shell edge. Slide fastener (zipper) shall close when slider is pulled up. With slide fastener (zipper) engaged, finished appearance shall show cover flat and even, hiding away slide fastener (zipper) and stitch lines on opposite side. Waistband adjustment tabs shall cover top portion of slide fastener (zipper) with hook-and-loop tapes in alignment connecting side waistband to back.

Front Closure Slide Fasteners (Jacket)

Front closure slide fastener (zipper) shall be Plastic Individual Element, Type III, Style 13 (separating double auto-lock sliders such that opens both from top and bottom), No. 5 chain with 100 lbs. minimum crosswise strength with water repellent (WR) treated tape and thong on top slider, Foliage Green 504. Separating and disengaging slide fastener (zipper) should function in a smooth, even manner with no hang-ups, jamming, or reason to adjust slider position.

Pre-sew 2 x 2 inch loop tape onto face and 4, 5/8 x 2 inch loop tape strips onto back of slide fastener (zipper) cover per pattern placement, insert interfacing and sew ends with SSe-2. Set socket snap into base of cover per pattern placement. Top-stitch around three sides, 1/16 inches from edge. Sew slide fastener (zipper) tape binding with seam BSb-1. Sew zipper tape, double layer of tricot knit pocketing to outer-shell with SSa-1, turn, place on slide fastener (zipper) cover and sew with LSq-2 through all layers into inner binding. On upper 4 inches of slide fastener (zipper), tape will be inserted between outer and inner hideaway hood assembly. Finished slide fastener (zipper) cover should extend 1 inch nominal from edge of slide fastener (zipper) teeth.

REPAIR – CONTINUED

Insert interfacing into slide fastener (zipper) backing strips and sew with SSe-2 with 4 top-stitching done 1/4 inch apart. Sew outer-shell to slide fastener (zipper) tape and overstretch with double layer tricot knit pocketing, binding tape and slide fastener (zipper) cover with SSa-1. Turn and top-stitch outer-shell 1/16 inch from edge adjacent to slide fastener (zipper) tape. Slide fastener (zipper) backing shall protrude 3/4 inch nominal from slide fastener (zipper) teeth edge. Set stud portion of snap per pattern placement. Sew four 5/8 x 2 inch hook tapes per pattern placement. When slide fastener (zipper) is engaged, finished appearance should slide fastener (zipper) cover flat and even with no puckering with bottom snap, hook-and-loop strips and left and right side of hem even and in alignment.

Underarm Slide Fasteners (Jacket)

Underarm slide fasteners (zippers) shall be A-A-55634A, Zippers (Fasteners, Slide Interlocking), No. 5 with 175 lbs. minimum crosswise strength, continuous element reverse chain, Type I, Style 7, autolock slider with thong, closed-top, closed-bottom stop with water-repellent treated tape, Foliage Green 504 shade. Pulling up on slider closes side pocket and pulling towards front closes underarm slide fasteners (zippers).

Slide fastener (zipper) to be applied in outer triangle underarm seam per pattern placement. Fold slide fastener (zipper) backing strip longitudinally in half and top-stitch 4 stitch lines, 1/4 inch apart starting 1/16 inch from edge. Over-edge other opposite side. Attach backing strip with SSa-1. Sew slide fastener (zipper) tapes to both sides of outer-shell slit with LSd-1. Slide Fastener (zipper) shall close when slider pulled toward jacket center. Finished appearance of slide fastener (zipper) shall be smooth and even with outer top-stitching in alignment with center underarm seam and no gaps in top or bottom stops. Use short 3-inch thong.

Drawcords and Barrel Locks

Replace missing or defective drawcords in lengths to match original construction. Drawcord ends shall be heat seared and knotted. Refer to Table 4 for proper lengths. Replace barrel locks as required.

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Tables 3 and 4. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

REPAIR – CONTINUED

Table 3. Cold Weather Trousers (ECWCS Gen III) Finished Measurements.

ALL	XS	S	M	L	XL	2XL	TOL +/-
WAIST RELAXED ¹	13	15	17	19	21	23	-0.25" , +0.50"
INSEAM ²	30	30	30	30	30	30	±0.50"
LEG OPENING - FINISHED ³	6 1/2	7	7 1/2	8	8 1/2	9	±0.25"
SIDE HIP ZIPPER OPENING ⁴	9	9	9 1/2	9 1/2	10	10	±0.50"
FRONT FLY ZIPPER OPENING ⁵	6 1/2	6 1/2	7	7	7 1/2	7 1/2	±0.25"
SIDE LEG ZIPPER OPENING ⁶	14	14	14	14	14	14	±0.50"
BACK WB ELASTIC – CUT ⁷	4	6	8	10	12	14	----
LEG PKT ELASTIC CORD CUT ⁷	14	14	14	14	14	14	----
SUSPENDERS LENGTH	52	52	52	52	52	52	±0.50"
SHORT	XS	S					
INSEAM ²	28	28					±0.50"
FRONT FLY ZIPPER LENGTH ⁵	6	6					±0.25"
SIDE HIP ZIPPER LENGTH ⁴	8 1/2	8 1/2					±0.50"
SIDE LEG ZIPPER LENGTH ⁶	12	12					±0.50"
SUSPENDERS LENGTH	50	50					±0.50"
LONG		S	M	L	XL	2XL	
INSEAM ²		32	32	32	32	32	±0.50"
FRONT FLY ZIPPER LENGTH ⁵		7	7 1/2	7 1/2	8	8	±0.25"
SIDE HIP ZIPPER LENGTH ⁴		9 1/2	10	10	10 1/2	10 1/2	±0.50"
SIDE LEG ZIPPER LENGTH ⁶		16	16	16	16	16	±0.50"
SUSPENDERS LENGTH		54	54	54	54	54	±0.50"
XLONG					XL	2XL	
INSEAM ²					34	34	±0.50"
FRONT FLY ZIPPER LENGTH ⁵					8 1/2	8 1/2	±0.25"
SIDE HIP ZIPPER LENGTH ⁴					11	11	±0.50"
SIDE LEG ZIPPER LENGTH ⁶					18	18	±0.50"
SUSPENDERS LENGTH					56	56	±0.50"
¹ Waist measurement taken flat from edge to edge at top of waistband. ² Inseam is measured from bottom of crotch point straight to hem on inside of leg. ³ Leg opening measurement is taken from edge to edge at leg hem flat and relaxed. ⁴ Side hip zipper is measured from bottom of waistband to top of zipper stop. ⁵ Front fly zipper is measured from bottom of waistband to top of zipper stop. ⁶ Side leg zipper is measured from top of bottom stop to bottom of top stop. ⁷ For construction purposes							

REPAIR – CONTINUED

Table 4. Cold Weather Jacket (ECWCS Gen III) Finished Measurements.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
ACROSS CHEST ¹	24	26	28	30	32	34	-0.25",+0.50"
BACK LENGTH ²	28 1/2	29	29 1/2	30	30 1/2	31	±0.50"
SLEEVE LENGTH FROM CB ³	34 1/2	35 1/4	36	36 3/4	37 1/2	38 1/4	±0.50"
CUFF OPENING - FINISHED ⁴	10	10 1/2	11	11 1/2	12	12 1/2	±0.25"
CF ZIPPER LENGTH ⁵	28 1/2	29	29 1/2	30	30 1/2	31	±0.50"
COLLAR SPREAD WITH ZIPPER ⁶	21 1/2	22 1/2	23 1/2	24 1/2	25 1/2	26 1/2	±0.25"
COLLAR WIDTH AT CF	4	4	4	4	4	4	±0.25"
CUT ELASTIC CUFF MEASUREMENT ⁷	5	5	5	5	5	5	±0.25"
FRT POCKET ZIPPER LENGTH ⁸	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	±0.25"
ARMPIT ZIPPER LENGTH ⁹	7	7	7	7	7	7	±0.25"
HOOD DEPTH ¹⁰	10 1/2	11	11 1/2	12	12 1/2	13	±0.25"
HOOD HEIGHT AT OPENING ¹¹	16	16 1/4	16 1/2	16 3/4	17	17 1/4	±0.50"
HEM CORD CUT LENGTH ⁷	46	50	54	58	62	66	±0.50"
FRT HOOD OPENING CORD ⁷	37	37 1/2	38	38 1/2	39	39 1/2	±0.50"
MIDDLE HOOD TUNNEL CORD ⁷	21	22	23	24	25	26	±0.50"
SHORT	XS	S					
BACK LENGTH ²	27 1/2	28					±0.50"
SLEEVE LENGTH FROM CB ³	33	33 3/4					±0.50"
CF ZIPPER LENGTH ⁵	27 1/2	28					±0.50"
LONG		S	M	L	XL	2XL	
BACK LENGTH ²	29 1/2	30	30 1/2	31	31 1/2	32	±0.50"
SLEEVE LENGTH FROM CB ³	36	36 3/4	37 1/2	38 1/4	39	39 3/4	±0.50"
CF ZIPPER LENGTH ⁵	29 1/2	30	30 1/2	31	31 1/2	32	±0.50"
X-LONG					XL	2XL	
BACK LENGTH ²					32 1/2	33	±0.50"
SLEEVE LENGTH FROM CB ³					40 1/2	41 1/4	±0.50"
CF ZIPPER LENGTH ⁵					32 1/2	33	±0.50"
<p>*Total measurement (TM), center front (CF), center back (CB)</p> <p>¹Across chest measurement is taken from folded edge to fold edge at bottom of armhole.</p> <p>²Back length measurement is taken from bottom of center back neck straight to hem.</p> <p>³Sleeve length is taken from CB neck point to shoulder point then along the outer flattened folded edge of sleeve straight to bottom of hem.</p> <p>⁴Cuff opening is taken from folded edge to folded edge at sleeve hem flat and relaxed.</p> <p>⁵CF zipper opening shall start and end at the outer edges of both zipper stops.</p> <p>⁶Collar spread measurement is taken flat from edge to edge including zipper.</p> <p>⁷For construction purposes only.</p> <p>⁸Front pocket zipper measurements shall start and end at the outer edges of both zipper stops.</p> <p>⁹Armpit zipper measurements shall start and end at the outer edges of both zipper stops.</p> <p>¹⁰Hood depth is measured with hood folded in half and flat from the back of the hood to the front straight at widest point.</p> <p>¹¹Hood height is measured with hood folded flat at front opening from base of hood to top of hood.</p> <p>SEAM ALLOWANCE: 1/2 in. all seams except for 3/8 in. CF, collar construction, neckline, front pocket zipper, front of hood 1 in. body hem</p>							

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COLD WEATHER (WIND) JACKET AND FLEECE JACKET (ECWCS GEN III)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

References

A-A-55634
ASTM D6193
FM 10-16
FM 42-414E
WP 0005
WP 0007

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Machine Laundering (Cold Weather Jacket)****CAUTION**

Do not use chlorine bleach, starch, or dry clean. Discoloration and degradation of infrared protection capacity of the material will result.

The garment shall be machine laundered using the delicate/gentile fabric cycle or laundered by hand. Use cold water (up to 90° F [32° C]) and cold water laundry detergent. Rinse in clean, cold water.

Reapply the durable water repellent finish on the exterior surface of the garment as needed. See the section Post (Fixed) Laundry in WP 0015.

CAUTION

Do not press.

Dry in tumble dryer at temperature not exceeding 130° F (54° C), as degradation of the component materials will result. Avoid over-drying.

To drip dry, place on a rustproof hanger.

SERVICE – CONTINUED**Machine Laundering (Fleece Jacket)****CAUTION**

Do not use chlorine bleach, fabric softeners, or dry clean. Discoloration and degradation of infrared protection capacity of the material will result.

Machine or hand wash with warm water.

CAUTION

Do not iron.

Tumble dry on low setting. To drip dry, place on a rustproof hanger.

Field Laundering (Cold Weather Jacket)**CAUTION**

Do not use chlorine bleach or starch. Discoloration and degradation of infrared protection capacity of the material will result.

The garment shall be field laundered using Formula II of FM 42-414E, Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations, unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personnel marks shall be erased or obliterated.

Rips and Tears

Holes or worn areas on the garments which exceed 1/8 inch shall be patched and darned. Precut patches of matching material for uniformity. Cut patches to extend approximately 3/4 inch around perimeter of opening, providing not less than 3/8 inch turn-under at all edges except selvage edges. Darn holes and worn areas of less than 1/4 inch. Turn under frayed hems and edges and restitch. Use sharp needles to sew lining to prevent large needles holes or cutting fabric.

Stitching and Restitching

The location, stitch type, thread size, and stitches per inch are listed in Table 1 and Table 2. All stitches, seams, and stitching shall conform to ASTM D6193, Standard Practice for Stitches and Seams. Seam allowances shall be maintained with seams sewn so no raw edges, runoffs, pleats, puckers, or open seams occur. If two or more methods of stitching are given for the same operation, any one may be used.

REPAIR – CONTINUED

The ends of all stitching on the liners shall be backstitched or bar tacked at ends to prevent raveling. Maintain proper thread tension to prevent loose stitching and to embed the lock in the center of the material sewn. The looper thread shall be on the outside of the garment. Backstitch type 301 stitching not less than 1 inch at each end of break. Overlock thread breaks in overedge stitching not less than 3/4 inch. Thread size shall conform to V-T-295 of the types and sizes listed in Table 1.

Table 1. Cold Weather Jacket and Fleece Jacket (ECWCS Gen III) Stitching Information.

COMPONENT	STITCHES PER INCH	TYPE	THREAD SIZE	SEAM TYPE
COLD WEATHER JACKET				
Side arms	9–12	Safety stitch with 301 top-stitch	B	LSbm-3 (Lapped)
Arm sleeves	9–12	Safety stitch with 301 top-stitch	B	LSbm-3 (Lapped)
Under arms	9–12	Safety stitch with 301 top-stitch	B	LSbm-3 (Lapped)
Back horizontal shoulder	9–12	Safety stitch with 301 top-stitch	B	LSbm-3 (Lapped)
Upper vertical back	9–12	Safety stitch with 301 top-stitch	B	LSbm-3 (Lapped)
Self/body hem tunnel	9–12	301 top-stitch	B	EFb-1 (Edge Finishing)
Self hem arm sleeve wrist	9–12	301 top-stitch	B	LSbm-3 (Lapped)
Chest pocket assembly	9–12	301 top-stitch		LSbm-3 (Lapped)
Front closure slide fastener	9–12	301		LSq-2 (Lapped)
FLEECE JACKET				
Fold mesh pockets in half. Serge elastic to each edge along back sides.	9–12	504	B	SSa-1 (Super-imposed)
Folding both upper edges of the mesh pockets 1 inch to the back side over 3/4-inch-wide elastic, stitch through elastic and mesh along edge of elastic. Attach all fastener hook and loop per pattern placement: 1/2-inch-wide hook to inside of top pocket through elastic and mesh and 1/2-inch-wide loop to outside of bottom pocket through elastic and mesh. Attach care label to outside of left pocket.	9–12	301	B	LSbs-1 (Lapped)
Attach mesh pockets to jacket fronts, along upper edge of back portion of mesh pockets through all layers. Attach mesh pockets to jacket front along both side edges.	9–12	301	B	LSce-2 (Lapped)

REPAIR – CONTINUED

Table 1. Cold Weather Jacket and Fleece Jacket (ECWCS Gen III) Stitching Information–Cont.

COMPONENT	STITCHES PER INCH	TYPE	THREAD SIZE	SEAM TYPE
Attach all fastener hook and loop per pattern placement: 1 x 5 1/4-inch fastener loop to both jacket fronts centered above pocket seam and 2 x 2 inch fastener loop centered directly over the 1 x 5 1/4 inch fastener loop.	9–12	301	B	LSbj-1 (Lapped)
Fold grid fleece zipper flap in half, grid inside, and stitch curves with 1/4 inch seam.	9–12	301	B	SSbf-3 (Superimposed)
Turn zipper flap to right side (grid side showing) and topstitch finished edge with double-needle machine.	9–12	301	B	SSc-1 (Superimposed)
Overedge raw edge of zipper flap and front edges.	9–12	504	B	SSa-1 (Superimposed)
Attach taslan elbow patches to sleeve backs.	9–12	301	B	LSd-1
Attach raglan sleeves to front and back of body with double-needle serger.	9–12	516	B	SSa-2 (Superimposed)
Topstitch raglan sleeve seams on both front and back with 1/4 inch seams from neckline to underarm.	9–12	301	B	SSa-1 (Superimposed)
Attach side gussets to sleeve/jacket fronts with double-needle serger. Close sleeves and sides with double-needle serger.	9–12	516	B	SSa-2 (Superimposed)
Turn gusset serge seams toward front and back, then top stitch around gusset with 1/4 inch seam.	9–12	301	B	SSa-1 (Superimposed)
Attach top edge of taslan collar to top edge of fleece collar with single-needle serger.	9–12	504	B	SSa-1 (Superimposed)
Turn down serged collar seam and raise-stitch, catching seam.	9–12	301	B	SSa-1 (Superimposed)
Set undercollar to neckline with single-needle serger. Overedge bottom of fleece collar and bottom edge of jacket with single-needle serger.	9–12	504	B	SSa-1 (Superimposed)
Set binding on sleeve bottoms, overlapping tail to secure.	9–12	301	B	BSc-1 (Bound)
Turn binding tail to inside of sleeve and bar tack.	9–12	--	B	Bar Tack
Attach front zipper with wind protection flap (on left side) from just above top of undercollar, ending 1 inch from bottom edge. Attach fleece collar to inside along zippers, right sides together.	9–12	301	B	LSba-2 (a & b) (Lapped)

REPAIR – CONTINUED**Table 1. Cold Weather Jacket and Fleece Jacket (ECWCS Gen III) Stitching Information–Cont.**

COMPONENT	STITCHES PER INCH	TYPE	THREAD SIZE	SEAM TYPE
Hem bottom of jacket with 1 inch hem on double-needle hemmer, no top rocker.	9–12	605	B	EFa-2 (Edge Finishing)
Turn collar to right side and close at neckline, with size label, and hanger tape at center back. Top-stitch around zipper and collar with 1/4 inch seam.	9–12	301	B	SSa-1 (Superimposed)
Thread non-elastic nylon cord thong in zipper sliders and tie.			B	Hand

Table 2. Cold Weather Jacket and Fleece Jacket (ECWCS Gen III) Bar Tack Requirements.

COLD WEATHER JACKET BAR TACK LOCATION	BAR TACK LENGTH (IN)	QUANTITY PER GARMENT
Sleeve Pocket	1/2	6
Sleeve Pocket Flap	1/2	4
Hem at Center Front	1/2	2
Pocket Zipper Tunnel	1/2	4
Pocket Zipper Bottom	1/2	2
Cuff	1/2	4
Zipper Pull	1/2	3
FLEECE JACKET BAR TACK LOCATION		
Binding Tails	5/8	2
Pocket Ends	5/8	4
Sleeve Binding Tail	5/8	2

Repair of Type 301 Stitching

Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) back of end of the interrupted stitching. Except for pre-stitching, thread breaks of two or more consecutive skipped or run-off stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) in back of defective area; continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and re-stitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

REPAIR – CONTINUED**Slide Fasteners**

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones. Slide fasteners are not seam sealed in; remove the one to be replaced and sew in a new one. Refer to Table 3 and Table 4 for slide fastener lengths. Refer to the following paragraphs for slide fastener types.

Front Closure Slide Fastener (Cold Weather Jacket)

The front closure slide fastener shall be assembled with the pin on the left hand and the slide fastener tape hidden away with binding tape along the slide fastener placket in such a manner to conceal the slide fastener tape and not impede the slide fastener operation. Assemble the slide fastener with a LSq-2 seam type except with the slide fastener inserted between the placket and the main body top-stitch. Attach box side slide fastener tape with top-stitch, no placket.

Pocket Closure Slide Fastener (Cold Weather Jacket)

The slide fasteners for the pocket closures shall be plastic, continuous element, A-A-55634, Zippers (Fasteners, Slide Interlocking), Type I, Style 6 (single no-lock slider), No. 4 chain with an 80 lb. minimum crosswise strength with water resistant treated slide fastener tape and a 2 1/2 inch, ± 1 inch thong. The color shall be Foliage Green 504. Slider shall close slide fastener chain when pulled up. As an alternate, continuous chain method may be used with ends securely bar tacked. Slide fastener chain shall be reversed with chain facing inside pockets such that slide fastener tapes faces outward.

Center Front Slide Fastener (Fleece Jacket)

The center front closure shall use an individual element molded fastener with single slider, size 5-7 with a minimum crosswise breaking strength of 130 lbs., 9/16-inch-wide tape, Foliage Green 504 color, conforming to Type IV, Style 6 of A-A-55634, Zippers (Fasteners, Slide Interlocking).

Drawcords and Barrel Locks

Replace missing or defective drawcords in lengths to match original construction. Drawcord ends shall be heat seared and knotted. Refer to Table 4 for proper lengths. Replace barrel locks as required.

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Tables 3 and 4. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

REPAIR – CONTINUED

Table 3. Fleece Jacket (ECWCS Gen III) Finished Measurements.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
ACROSS CHEST ¹	22	24	26	28	30	32	-0.25", +0.50"
SWEEP ²	19 ±5/8	21 ±3/4	23 ±3/4	25 +3/4	27 +3/4	29 +7/8, -1 3/8	REFER TO MEASUREMENTS
BACK LENGTH ³	27	27 1/2	28	28 1/2	29	29 1/2	±0.50
SLEEVE LENGTH FROM CB ⁴	33	33 3/4	34 1/2	35 1/4	36	36 3/4	±0.50
CUFF OPENING ⁵	4	4 1/4	4 1/2	4 3/4	5	5 1/4	±0.25
CF ZIPPER LENGTH ⁶	27 1/2	28	28 1/2	29	29 1/2	30	±0.50
COLLAR WIDTH AT CF ⁷	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	±0.25
INSIDE PKT ELASTIC CUT LENGTH ⁷	8 1/2	9 1/2	10 1/2	11 1/2	12 1/2	13 1/2	±0.25
OUTSIDE PKT	7	7	7	7	7	7	-0.25, +0.50
SHORT	XS	S					
BACK LENGTH ³	26	26 1/2					±0.50
SLEEVE LENGTH FROM CB	31 1/2	32 1/4					±0.50
CF ZIPPER LENGTH ⁶	26 1/2	27					±0.50
LONG		S	M	L	XL	2XL	
BACK LENGTH ³		28 1/2	29	29 1/2	30	30 1/2	±0.50
SLEEVE LENGTH FROM CB		35 1/4	36	36 3/4	37 1/2	38 1/4	±0.50
CF ZIPPER LENGTH ⁶		29	29 1/2	30	30 1/2	31	±0.50
X-LONG					XL	2XL	
BACK LENGTH ³					31	31 1/2	±0.50
SLEEVE LENGTH FROM CB					39	39 3/4	±0.50
CF ZIPPER LENGTH ⁶					31 1/2	32	±0.50

¹Across chest measurement is taken folded from edge to edge at the bottom of armhole.

²Sweep measurement is taken from folded edge to folded edge, 2 1/2 inches above the top of the binding tape.

³Back length measurement is taken from bottom of center back neck straight to hem.

⁴Sleeve length from CB is taken from bottom of center back neck straight to the bottom of sleeve binding with sleeve extended out flat taking care to pull the taslan elbow patch flat and straighten out sleeve bottom binding.

⁵Cuff opening measurement is taken from edge to edge at sleeve hem.

⁶CF zipper length should be measured by holding zipper tightly at top and bottom, then stretching zipper completely flat and, while holding taught, place against a calibrated steel ruler.

⁷For construction only.

⁸Outside pocket opening measurement is taken from bar tack to bar tack.

SEAM ALLOWANCE: 3/8 in. all seams except for 1/4 in. neckline and 1/2 in. elbow patch.

REPAIR – CONTINUED

Table 4. Cold Weather Jacket (ECWCS Gen III) Finished Measurements.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
ACROSS CHEST ¹	22 1/4	24 1/4	26 1/4	28 1/4	30 1/4	32 1/2	-0.25, +0.50
BACK LENGTH ²	27 1/2	28	28 1/2	29	29 1/2	30	±0.50
SLEEVE LENGTH FROM CB ³	34	34 3/4	35 1/2	36 1/4	37	37 3/4	±0.50
CUFF OPENING - FINISHED ⁴	4	4 1/4	4 1/2	4 3/4	5	5 1/4	±0.25
CF ZIPPER LENGTH ⁵	27 1/2	28	28 1/2	29	29 1/2	30	±0.50
COLLAR SPREAD WITH ZIPPER ⁶	8 1/2	9	9 1/2	10	10 1/2	11	±0.25
COLLAR HEIGHT AT CF	3	3	3	3	3	3	±0.25
CUFF ELASTIC CUT MEASUREMENT ⁷	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	±0.25
POCKET ZIPPER OPENING ⁸	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	±0.50
ELASTIC CORD HEM CUT LENGTH ⁷	58	62	66	70	74	78	±0.50
SHORT	XS	S					
BACK LENGTH ²	26 1/2	27					±0.50
SLEEVE LENGTH FROM CB ³	32 1/2	33 1/4					±0.50
CF ZIPPER LENGTH ⁵	26 1/2	27					±0.50
POCKET ZIPPER OPENING ⁸	9 1/2	9 1/2					±0.50
LONG		S	M	L	XL	2XL	
BACK LENGTH ²		29	29 1/2	30	30 1/2	31	±0.50
SLEEVE LENGTH FROM CB ³		36 1/4	37	37 3/4	38 1/2	39 1/4	±0.50
CF ZIPPER LENGTH ⁵		29	29 1/2	30	30 1/2	31	±0.50
REGULAR		S	M	L	XL	2XL	
POCKET ZIPPER OPENING ⁸		11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	±0.50
XLONG					XL	2XL	
BACK LENGTH ²					31 1/2	32	±0.50
SLEEVE LENGTH FROM CB ³					40	40 3/4	±0.50
CF ZIPPER LENGTH ⁵					31 1/2	32	±0.50
POCKET ZIPPER OPENING ⁸					12 1/2	12 1/2	±0.50
¹ Across chest measurement is taken from folded edge to fold edge bottom of armhole. ² Back length measurement is taken from bottom of center back neck straight to hem. ³ Sleeve length is taken from CB neck point to shoulder point then along the outer flattened folded edge of sleeve straight to bottom of hem. ⁴ Cuff opening is taken from edge to edge at sleeve hem flat and relaxed. ⁵ CF zipper opening shall start and end at the outer edges of both zipper stops. ⁶ Collar spread measurement is taken from edge to edge flat including zipper. ⁷ For construction purposes only. ⁸ Pocket zipper measurements shall start and end at the outer edges of both zipper stops. SEAM ALLOWANCE: 1/2 in. all seams except for: 1/4 in. front wind zipper flap edge, slv pkt flap 3/8 in. set CF zipper, set collar, collar seams, sleeve insert, set sleeve pkt bellow and set to sleeve 3/8 + 5/8 in. cuff hem and body hem clean finished 3/8 + 1 in. sleeve pkt hem clean finished.							

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COLD WEATHER MID-WEIGHT SHIRT AND DRAWERS (ECWCS GEN III)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
 Scissors, 8-inch (WP 0084, Item 22)
 Sewing Machine, Light Duty (WP 0084, Item 31)
 Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
 Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

ASTM D6193
 FM 10-16
 FM 42-414E
 WP 0005
 WP 0007

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotten items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Machine/Hand Laundering****CAUTION**

Do not use chlorine bleach, fabric softeners or dry clean. Discoloration and degradation of Infrared protection capacity of the material will result.

Do not iron.

1. Machine or hand-wash with warm water.
2. Tumble dry on low setting. To drip dry, place on a rustproof hanger.

END OF TASK

REPAIR

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations, unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains, and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Nonspecific and personnel marks shall be erased or obliterated.

Rips and Tears

Holes or worn areas on the garments which exceed 1/8 inch shall be patched and darned. Precut patches of matching material for uniformity. Cut patches to extend approximately 3/4 inch around perimeter of opening, providing not less than 3/8 inch turn-under at all edges except selvage edges. Darn holes and worn areas of less than 1/4 inch. Turn under frayed hems and edges and restitch. Use sharp needles to sew lining to prevent large needles holes or cutting fabric.

Stitching and Restitching

The location, stitch type, thread size, and stitches per inch are listed in Tables 1 and 2. All stitches, seams, and stitching shall conform to ASTM D6193. Seam allowances shall be maintained with seams sewn so no raw edges, runoffs, pleats, puckers, or open seams occur. When two or more methods of stitching are given for the same operation, any one may be used.

The ends of all stitching on the liners shall be backstitched or bar tacked at ends to prevent raveling. Maintain proper thread tension to prevent loose stitching and to imbed the lock in the center of the material sewn. The looper thread shall be on the outside of the garment. Backstitch type 301 stitching not less than 1 inch at each end of break. Overlock thread breaks in overedge stitching not less than 3/4 inch. Thread size shall conform to V-T-295 of the types and sizes listed in Table 1.

REPAIR – CONTINUED

Table 1. Cold Weather Mid-Weight Shirt and Drawers (ECWCS Gen III) Stitching Information.

COMPONENT	STITCHES PER INCH	TYPE	THREAD SIZE	SEAM TYPE
COLD WEATHER DRAWERS				
Hem the edge of two fly opening pieces.	9–12	605	B	EFa-2 Edge Finishing
Set fly pieces to front of body.	9–12	607	B	FSa-1 Flat
Set waistband webbing flat.	9–12	403	B	LSa-2 Lapped
Close legs inseam and back (seat) seam.	9–12	607	B	FSa-1 Flat
Hem 5/8 inch ±1/8 inch bottom of the legs.	9–12	605	B	EFa-2 Edge Finishing
Sew four sides of size label inside waistband, and catch top of care label in bottom seam of size label.	9–12	301	B	SSa-1 Superimposed
COLD WEATHER SHIRT				
Join shoulders with coverstitch.	9–12	607	B	FSa-1 Flat
Overedge bottom of collar and collar tab.	9–12	504	B	EFd-1 Edge Finishing
Set collar to neckline with coverstitch.	9–12	607	B	FSa-1 Flat
Set zipper to front opening with tab.	9–12	301	B	LSbu-2 (a&b) Lapped
Close collar with size label at center inside back, and topstitch collar and zipper with single needle.	9–12	301	B	LSbu-2 (a&b) Lapped
Set reinforcement webbing (1 /12 inch by 1 inch) at bottom of zipper with box stitch.	9–12	301	B	BOX Stitch
Hem thumbhole openings on sleeve front and backs with hemmer.	9–12	605	B	EFa-2 Edge Finishing
Coverstitch sleeve fronts and back together, catching ends of thumbholes.	9–12	607	B	FSa-1 Flat
Set sleeves flat with coverstitch. Close sleeves/sides with coverstitch, catching care label in left side seam 2 to 3 inches above bottom and catching thumbhole opening ends.	9–12	607	B	FSa-1 Flat
Bar tack top and bottom of thumbholes openings.	–	Bar Tack	B	Bar Tack
Hem sleeves ½-inch turn outside and hem bottom ¾ inch to outside with 3-needle top rocker hemmer, turning hem to outside.	9–12	605	B	EFa-2 Edge Finishing

REPAIR – CONTINUED

Table 2. Cold Weather Mid-Weight Shirt and Drawers (ECWCS Gen III) Bar Tack Requirements.

COLD WEATHER DRAWERS BAR TACK LOCATION	BAR TACK LENGTH (INCH)	QUANTITY PER GARMENT
Cuff at Inseam	5/8	2
Center Back Waistband	5/8	1
COLD WEATHER SHIRT BAR TACK LOCATION		
Sleeve Cuff	5/8	2
Monkey Paw Opening	5/8	4
Hem at Side Seam	5/8	1

Repair of Type 301 Stitching

Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) back from the end of the interrupted stitching. Except for pre-stitching, thread breaks of two or more consecutive skipped or run-off stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) in back of defective area and continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and restitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Tables 3 and 4. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

REPAIR – CONTINUED

Table 3. Cold Weather Mid-Weight Shirt (ECWCS Gen III) Finished Measurements.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
ACROSS CHEST ¹	18 1/4	20 1/4	22 1/4	24 1/4	26 1/4	28 1/4	-0.25, +0.50
BACK LENGTH ²	28 1/2	29	29 1/2	30	30 1/2	31	±0.50
SLEEVE LENGTH FROM CB ³	33	33 3/4	34 1/2	35 1/4	36	36 3/4	±0.50
CF ZIPPER ⁴	14	14	14	14	14	14	±0.50
COLLAR WIDTH AT CF ⁵	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	±0.25
SHORT	XS	S					
BACK LENGTH ²	27 1/2	28					±0.50
SLEEVE LENGTH FROM CB ³	31 1/2	32 1/4					±0.50
LONG	XS	S	M	L	XL	2XL	
BACK LENGTH ²		30	30 1/2	31	31 1/2	32	±0.50
SLEEVE LENGTH FROM CB ³		35 1/4	36	36 3/4	37 1/2	38 1/4	±0.50
X-LONG					XL	2XL	
BACK LENGTH ²					32 1/2	33	±0.50
SLEEVE LENGTH FROM CB ³					39	39 3/4	±0.50
¹ Across chest measurement is taken folded in half and measured from edge to edge at the bottom of armhole. ² Back length measurement is taken from bottom of center back neck straight to hem. ³ Sleeve length measurement is taken from CB neck point to shoulder point then along the outer flattened folded edge of sleeve straight to bottom of hem. ⁴ CF zipper opening from top of top stop to bottom of bottom stop. ⁵ Measurement taken on a line parallel to the CF zipper from the top folded edge of collar to the top of the neck seam. Seam allowance is 1/4 in. all seams except 3/8 in. setting of zipper							

Table 4. Cold Weather Mid-Weight Drawers (ECWCS Gen III) Finished Measurements.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
WAIST RELAXED ¹	10 1/2	12 1/2	14 1/2	16 1/2	18 1/2	20 1/2	-0.25, +0.50
OUTSEAM ²	37 1/2	38 1/2	39 1/2	40 1/2	41 1/2	42 1/2	±0.50
FLY OPENING ³	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	±0.25
SHORT	XS	S					
OUTSEAM ²	35	36					±0.50
LONG		S	M	L	XL	2XL	
OUTSEAM ²		41	42	43	44	45	±0.50
X-LONG					XL	2XL	
OUTSEAM ²					46 1/2	47 1/2	±0.50
¹ Waist measurement taken with the garment folded flat and relaxed from edge to edge. ² Outseam measurement taken from bottom of elastic waistband to hem. ³ Fly opening measurement taken from the bottom of the top bar tack to the top of the bottom bar tack. Seam allowance for sewing: 1/4 in.							

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
COLD WEATHER LIGHTWEIGHT UNDERSHIRT AND DRAWERS (ECWCS GEN III)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

FM 10-16
FM 42-414
WP 0005
WP 0007

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Preliminary examination and cleaning: Dirt, mud, dust, spots, mildew stains, and other foreign matter shall be removed by laundering. Mildewed and rotted items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with chalk. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Machine/Hand-Laundering****CAUTION**

Do not use chlorine bleach, fabric softeners or dry clean. Discoloration and degradation of Infrared protection capacity of the material will result.

Do not iron.

1. Machine- or hand-wash with warm water.
2. Tumble dry on low setting. To drip dry, place on a rustproof hanger.

END OF TASK

REPAIR

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Remove all dirt, mud, dust, spots, stains, and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personnel marks shall be erased or obliterated.

Rips and Tears

Holes or worn areas on the garments which exceed 1/8 inch shall be patched and darned using pre-cut patches of matching material for uniformity. Cut patches to extend approximately 3/4 inch around perimeter of opening, providing not less than 3/8 inch turn-under at all edges except selvage edges. Darn holes and worn areas of less than 1/4 inch. Turn under frayed hems and edges and re-stitch. Use sharp needles to sew lining to prevent large needle holes or cutting fabric.

Stitching and Restitching

The location, stitch type, thread size, and stitches per inch are listed in Table 1 and Table 2. All stitches, seams, and stitching shall conform to ASTM-D-6193. Seam allowances shall be maintained with seams sewn so no raw edges, runoffs, pleats, puckers, or open seams occur. When two or more methods of stitching are given for the same operation, any one may be used.

The ends of all stitching on the liners shall be backstitched or bartacked at ends to prevent unraveling. Maintain proper thread tension to prevent loose stitching and to embed the lock in the center of the material sewn. The looper thread shall be on the outside of the garment. Backstitch Type 301 stitching not less than 1 inch at each end of break. Overlock thread breaks in overedge stitching not less than 3/4 inch. Thread size shall conform to V-T-295 of the types and sizes listed in Table 1.

REPAIR – CONTINUED

Table 1. Cold Weather Light-Weight Undershirt and Drawers (ECWCS Gen III) Stitching Information.

COMPONENT	STITCHES PER INCH	TYPE	THREAD SIZE	SEAM TYPE
COLD WEATHER DRAWERS				
Hem the edge of two fly opening pieces.	9–12	605	B	EFa-2
Set fly pieces to front of body.	9–12	607	B	FSa-1
Set waistband webbing flat.	9–12	403	B	LSa-2
Close legs inseam and back (seat) seam.	9–12	607	B	FSa-1
Hem 1/2 inch bottom of the legs.	9–12	605	B	EFa-2
Sew four sides of size label, waistband and catch top of care label in bottom seam of size label.	9–12	301	B	SSa-1
COLD WEATHER UNDERSHIRT				
Join shoulders and set right sleeve with coverstitch.	9–12	607	B	FSa-1
Set 1-inch-wide silkweight binding around neckline.	9–12	605	B	BSa-2
Join left shoulders and set left sleeve with coverstitch.	9–12	607	B	FSa-1
Hem thumbhole openings on sleeves with 3-needle top rocker hemmer.	9–12	605	B	FSa-2
Close sleeves and sides with coverstitch, catching ends of thumbholes and inserting size label, and care label in left side seam, approximately 2 1/2 inches from bottom edge.	9–12	607	B	FSa-1
Turn under coverstitch tails at top and bottom of thumbholes and at neckline, then bartack all to secure.	9–12	Bartack	B	--
Hem sleeves and undershirt bottom 1/2 inch with 3-needle top rocker hemmer.	9–12	605	B	EFa-2

Table 2. Cold Weather Light-Weight Undershirt and Drawers (ECWCS Gen III) Bartack Requirements.

COLD WEATHER DRAWERS BARTACK LOCATION	BARTACK LENGTH (INCH)	QUANTITY PER GARMENT
Cuff at Inseam	5/8	2
Center Back Waistband	5/8	1
COLD WEATHER UNDERSHIRT BARTACK LOCATION		
Shoulder Point	5/8	1
Sleeve Cuff	5/8	2
Monkey Paw Opening	5/8	4

Hem at Side Seam	5/8	1
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REPAIR – CONTINUED

Repair of Type 301 Stitching. Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch (1.25 cm) except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.25 cm). Thread tensions shall be not less than 1/2 inch (1.25 cm). Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, runoffs, or bobbin runouts occur during sewing, stitching shall be repaired by restarting the stitching a minimum of 1/2 inch (1.25 cm) back from the end of the interrupted stitching. Except for pre-stitching, thread breaks of two or more consecutive skipped or runoff stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch (1.25 cm) in back of defective area and continue over the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing defective stitching without damaging the materials and re-stitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Marking and Resizing

Resize all garments after complete repair and cleaning according to the item group schedule of sizes listed in Table 3 and Table 4. When items deviate in size from their original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near the old size. When the measurements do not correspond to a size listed, re-mark the items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted as conditioned.

Table 3. Cold Weather Light-Weight Undershirt (ECWCS Gen III) Finished Measurements.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
ACROSS CHEST ¹	18	20	22	24	26	28	-0.25 ,+0.50
BACK LENGTH ²	29 1/2	30	30 1/2	31	31 1/2	32	±0.50
SLEEVE LENGTH FROM CB ³	33	33 3/4	34 1/2	35 1/4	36	36 3/4	±0.50
FINISHED NECKLINE ⁴	8	8 1/2	9	9 1/2	10	10 1/2	±0.25
SHORT	XS	S					
BACK LENGTH ²	28 1/2	29					±0.50
SLEEVE LENGTH FROM CB ³	31 1/2	32 1/4					±0.50
LONG		S	M	L	XL	2XL	
BACK LENGTH ²		31	31 1/2	32	32 1/2	33	±0.50
SLEEVE LENGTH FROM CB ³		35 1/4	36	36 3/4	37 1/2	38 1/4	±0.50
XLONG					XL	2XL	
BACK LENGTH ²					33 1/2	34	±0.50
SLEEVE LENGTH FROM CB ³					39	39 3/4	±0.50

¹Across chest measurement is taken with garment folded flat and measured edge to edge at bottom of armhole
²Back length measurement is taken from collar seam at center back neck point straight to hem
³Sleeve length measurement is taken from CB neck point to shoulder point then along the outer flattened folded edge of sleeve straight to bottom of hem.
⁴Finished neckline measurement is taken flat and measured from edge to edge at top of neckline.
 Seam allowance for sewing: 1/4 in.

REPAIR – CONTINUED

Table 4. Cold Weather Light-Weight Drawers (ECWCS Gen III) Finished Measurements.

REGULAR	XS	S	M	L	XL	2XL	TOL +/-
WAIST RELAXED ¹	10 1/4	12 1/4	14 1/4	16 1/4	18 1/4	20 1/4	-0.25, +0.50
OUTSEAM ²	37	38	39	40	41	42	±0.50
FLY OPENING ³	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	±0.25
SHORT	XS	S					
OUTSEAM ²	34 1/2	35 1/2					±0.50
LONG		S	M	L	XL	2XL	
OUTSEAM ²		40 1/2	41 1/2	42 1/2	43 1/2	44 1/2	±0.50
X-LONG					XL	2XL	
OUTSEAM ²					46	47	±0.50
¹ Waist measurement is taken with the garment folded flat from edge to edge. ² Outseam measurement taken from bottom of elastic waistband to hem ³ Fly opening measurement taken from the bottom of the top bartack to the top of the bottom bartack. Seam allowance for sewing: 1/4 in.							

END OF TASK

END OF WORK PACKAGE

CHAPTER 6
FIELD MAINTENANCE
FOR
COLD WEATHER CLOTHING

**FIELD MAINTENANCE
COLD WEATHER COAT
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****User Cleaning**

User will keep garments clean either by individual laundering in accordance with prescribed home laundry procedures or by use of installation laundry facilities.

Laundry

Clothing will be processed in Army laundries in accordance with established cleaning practices as prescribed in FM 42-414. The coat is quarpel-treated and must be thoroughly rinsed after cleaning to ensure removal of cleaning compounds and reactivation of water-repellent characteristics.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. Repairs will be made as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organization unless otherwise prescribed.

Dirt, mud, dust, spots, stains, and other foreign matter will be removed with a brush or by laundering. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayon. Non-specification and personnel marks shall be erased or obliterated.

REPAIR – CONTINUED**Field/Organizational Repair**

1. Inspect all items to determine the amount of repairs needed and whether such repairs can be accomplished within the organization or evacuate to a higher level of maintenance.
2. Repair to be accomplished at organizational level will be hand-sewing of rips, tears, loose seams, and damaged buttonholes.
3. Replacement buttons will match the original buttons in color, design, and size of the type specified in RPSTL.

Stitching and Restitching

Use machine sewing whenever possible for all stitching and restitching. Backstitch or bartack all stitching at ends at least 1 inch (2.54 cm) to prevent unraveling. Maintain proper thread tension to prevent loose stitching and to embed the lock in the center of the material sewn. When type 401 stitch is used, place looper thread on the underside. The type of stitch, thread size, and stitches per inch are listed in Table 1.

Table 1. Stitching Requirements.

USE	STITCH	NEEDLE/THREAD	BOBBIN/THREAD	STITCHES PER INCH
General	301 or 401	30/3	30/3	12–16
Buttonhole		30/3	30/3	52 per buttonhole
Button	101 or 301	30/3		14–16
Slide Fastener	301	30/3	30/3	10–16
Bartack		50/3	50/3	28 per bartack

Patching and Darning

Darning. Repair small holes and tears not exceeding 1/2 inch (1.27 cm) in diameter by darning.

Patching. Patch holes, rips, tears, and areas worn thin which are greater than 1/2 inch (1.27 cm) in any dimension. The patch will match as nearly as possible the material being repaired in type, quality, and color.

1. Cut away the damaged area and turn edges under not less than 1/2 inch (1.27 cm) and not more than 1 inch (2.54 cm) around the perimeter of the opening, with not less than 3/8 inch (0.953 cm) turn-under of all edges except selvage edge.
2. Pre-cut patches to provide symmetry.
3. Inspect previously patched areas and repair if found defective.
4. Cut away all mildew areas and darn, patch, or replace.

Bartacks. Retack defective bartacks using the original construction method.

Gussets. Repair or replace missing, loose, or defective gussets. Repair gussets with holes not exceeding 1/2 inch (1.27 cm) by overlapping edges and hand sewing with an overcast or hidden stitch.

Sleeves. When the lower half of the under sleeve is badly worn, apply patch to cover entire damaged area. Rip out the cuff stitching, tuck the lower edge of the patch inside, and restitch. Serge all frayed edges. Replace tabs and other missing parts or parts damaged beyond repair using original construction method.

REPAIR – CONTINUED**Buttons**

Replace missing, damaged, or loose buttons with matching ones. Align buttons with buttonholes.

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones.

Snap Fasteners

Replace missing, loose, or damaged snap fasteners. Darn or patch damaged area surrounding snap fastener sockets and studs prior to attaching snap fasteners.

Drawcords

Replace missing or defective drawcords in lengths to match original construction.

Eyelets

Replace missing, loose, badly split, and off-center eyelets. Darn enlarged eyelet holes with No. 30/3 thread. Punch holes receiving eyelets smaller than outside diameter of eyelet barrel so that barrel must be forced through the material.

Sleeve Closures

Replace defective elastic webbing in sleeve adjusting straps. Replace defective buttonhole tabs.

Hangers

Replace defective or missing hanger loops. Construct hangers by folding a strip of cloth and double-stitch with a covering stitch on the underside.

Cuffs

Repair or replace defective or missing cuffs with cloth of like material, size, and style. Fold cuff and seam side edges. Turn cuff and attach points by single stitching the edge of the underfold of the cuff to the underside of the sleeve. Turn edge of upperfold of cuff and single stitch to the upper side of sleeve, continuing the raised stitching across square end of seam.

Pocket Flaps

Repair or replace torn, missing, or defective flaps. Restitch ripped seams or loose stitching.

Breast Pockets

Restitch loose or ripped pockets. Replace missing or defective pockets with ones fabricated of like material, size, and design of the original.

REPAIR – CONTINUED

Lower Pockets

1. Repair or replace defective or missing pockets with new ones of like material, constructed of double thickness of cloth with the corners supported by a strip of 3/4-inch (1.91 cm) material.
2. Turn in the raw edges of the facing and single-stitch to end of double pocket pieces.
3. Place welt piece and pocket flat on outside of pocket opening and sew through the coat, backstitch ends of stitching, and turn pocket and welt through opening and form a 1/2-inch (1.27 cm) welt.
4. Bring end of pocket up and stitch together with upper edge of facing to pocket opening.
5. Tack webbing strap to shoulder seam 1/2 inch (1.27 cm) from the neck and to the jacket side seam.

Binding and Facing

Restitch defective stitching in binding and facing. Replace torn, frayed, or missing bindings and facings or such parts that have mildewed or rotted.

Resizing

After cleaning and repair, resize garments according to sizes listed in Table 2. When garments vary in size from original markings, obliterate old marking and mark proper size with indelible pencil or waterproof ink. When measurements do not correspond to the measurements listed, re-label to the next lower size.

Table 2. Cold Weather Coat Finished Measurements.

MEASUREMENT	REGULAR (in.)	SHORT (in.)	X-SHORT (in.)	LONG (in.)	TOLERANCE (in.)
1/2 BREAST¹					
X-SMALL	20 3/4	20 3/4	20 3/4	20 3/4	±3/4
SMALL	22 3/4	22 3/4	22 3/4	22 3/4	±3/4
MEDIUM	24 3/4	24 3/4	24 3/4	24 3/4	±3/4
LARGE	26 3/4	26 3/4		26 3/4	±3/4
X-LARGE	28 3/4	28 3/4		28 3/4	±3/4
BACK LENGTH²					
X-SMALL	31	29 1/2	28	32 1/2	±1
SMALL	31 1/2	30	28 1/2	33	±1
MEDIUM	32	30 1/2	29	33 1/2	±1
LARGE	32 1/2	31		34	±1
X-LARGE	33	31 1/2		34 1/2	±1
SLEEVE LENGTH³					
X-SMALL	19 1/4	18 1/4	17 1/4	20 1/4	±3/4
SMALL	19 1/4	18 1/4	17 1/4	20 1/4	±3/4
MEDIUM	19 1/4	18 1/4	17 1/4	20 1/4	±3/4
LARGE	19 1/4	18 1/4		20 1/4	±3/4
X-LARGE	19 1/4	18 1/4		20 1/4	±3/4

¹One-half breast measurement shall be measured at the base of the armhole from folded edge to folded edge with front closed.

²The back length shall be measured along center back from undercollar seam to extreme bottom edge of coat.

³The sleeve length shall be measured from base of armhole along forearm seam to bottom of sleeve.

REPAIR – CONTINUED**Labeling**

Each garment will have a combination identification-size label and an instruction label or a combination identification-size-instruction label conforming to Type I of DDD-L-20. Repair or re-mark labels to provide required information. Replace labels which cannot be repaired by re-marking with new ones located adjacent to or sewn over the old label.

Label information shall be printed in letters not less than 10 point and shall read as Figure 1 and Figure 2.

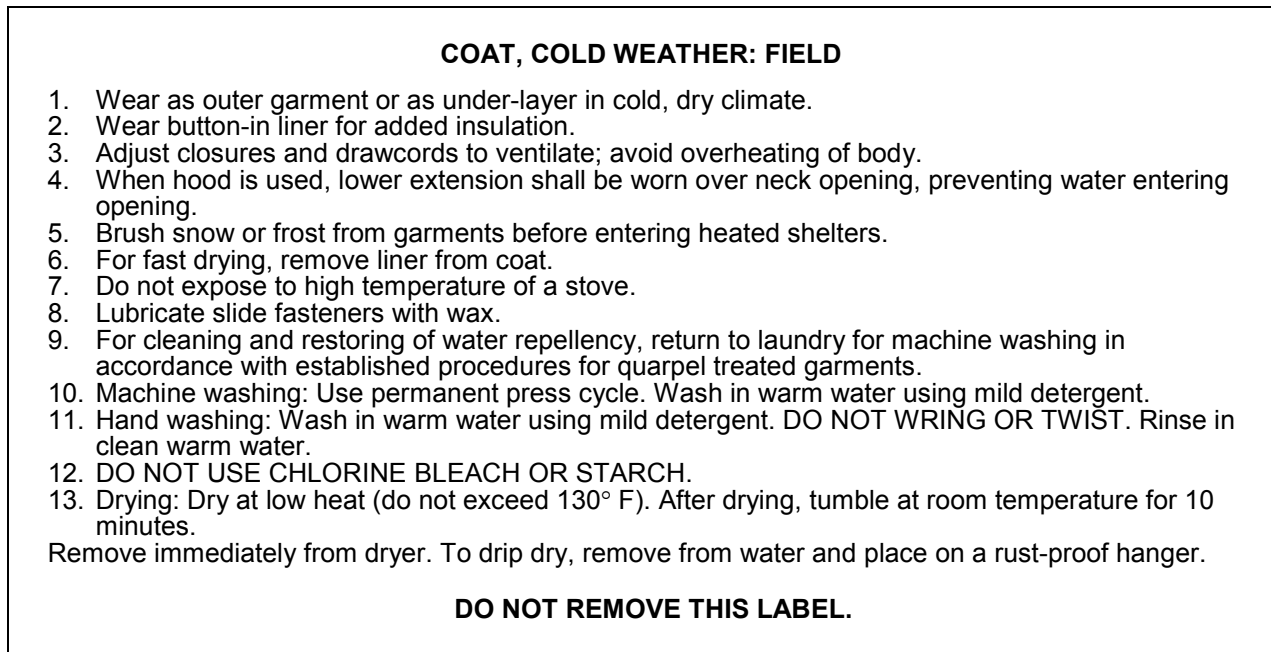


Figure 1. Cold Weather Coat Care Label.

REPAIR – CONTINUED

X-Small X-Short		X-Small Short		Small Regular	
Height:	Up to 63 in.	Height:	From 63 to 67 in.	Height:	From 67 to 71 in.
Chest Mn:	Up to 33 in.	Chest Mn:	Up to 33 in.	Chest Mn:	From 33 to 37 in.
Chest Wn:	Up to 36 in.	Chest Wn:	Up to 36 in.	Chest Wn:	From 36 to 40 in.
Stock No.	8415-01-099-7825	Stock No.	8415-01-099-7826	Stock No.	8415-01-099-7831
NATO Size:	5060-7484	NATO Size:	6070/7484	NATO Size:	7080/8494
Small X-Short		Small Short		Small Long	
Height:	Up to 63 in.	Height:	From 63 to 67 in.	Height:	From 71 in and up
Chest Mn:	From 33 to 37 in.	Chest Mn:	From 33 to 37 in.	Chest Mn:	From 33 to 37 in.
Chest Wn:	From 36 to 40 in.	Chest Wn:	From 36 to 40 in.	Chest Wn:	From 36 to 40 in.
Stock No.	8415-01-099-7829	Stock No.	8415-01-099-7830	Stock No.	8415-01-099-7832
NATO Size:	5060/8494	NATO Size:	6070/8494	NATO Size:	8090/8494
Medium X-Short		Medium Short		Medium Regular	
Height:	Up to 63 in.	Height:	From 63 to 67 in.	Height:	From 67 to 71 in.
Chest Mn:	From 37 to 41 in.	Chest Mn:	From 37 to 41 in.	Chest Mn:	From 37 to 41 in.
Chest Wn:	From 40 to 44 in.	Chest Wn:	From 40 to 44 in.	Chest Wn:	From 40 to 44 in.
Stock No.	8415-01-099-7833	Stock No.	8415-01-099-7834	Stock No.	8415-01-099-7835
NATO Size:	5060/9404	NATO Size:	6070/9404	NATO Size:	7080/9404
X-Large Short		Large Short		Large Regular	
Height:	Up to 67 in.	Height:	Up to 67 in.	Height:	From 67 to 71 in.
Chest:	From 45 in. and up	Chest:	From 41 to 45 in.	Chest:	From 41 to 45 in.
Stock No.	8415-01-099-7840	Stock No.	8415-01-099-7837	Stock No.	8415-01-099-7838
NATO Size:	6070/1424	NATO Size:	6070/0414	NATO Size:	7080/0141
X-Small Regular		X-Small Long		Medium Long	
Height:	From 67 to 71 in.	Height:	From 71 in. up	Height:	From 71 in. and up
Chest Mn:	Up to 33 in.	Chest Mn:	Up to 33 in.	Chest Mn:	From 37 to 41 in.
Chest Wn:	Up to 36 in.	Chest Wn:	Up to 36 in.	Chest Wn:	From 40 to 44 in.
Stock No.	8415-01-099-7827	Stock No.	8415-01-099-7828	Stock No.	8415-01-099-7836
NATO Size:	7080/7484	NATO Size:	8090/7484	NATO Size:	8090/9404
Large Long		X-Large Regular		X-Large Long	
Height:	From 71 in. and up	Height:	From 67 to 71 in.	Height:	From 71 in. and up
Chest:	From 41 to 45 in.	Chest:	From 45 in. and up	Chest:	From 45 in. and up
Stock No.	8415-01-099-7839	Stock No.	8415-01-099-7841	Stock No.	8415-01-099-7842
NATO Size:	8090/0414	NATO Size:	7080/1424	NATO Size:	8090/1424

Figure 2. Cold Weather Coat Sizing Label.

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
EXTREME COLD WEATHER PARKA WITHOUT HOOD
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****User Cleaning**

User will keep garments clean either by individual laundering in accordance with prescribed home laundry procedures or by use of installation laundry facilities.

Laundry

Clothing will be processed in Army laundries in accordance with established cleaning practices as prescribed in FM 42-414. The parka is quarpel-treated and must be thoroughly rinsed after cleaning to ensure removal of cleaning compounds and reactivation of water-repellent characteristics.

END OF TASK**REPAIR**

Prior to repair operations, each Item shall be inspected by qualified personnel to determine the amount of repair necessary. Repairs will be made as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organization, unless otherwise prescribed. Dirt, mud, dust, spots, stains, and other foreign matter will be removed with a brush or by laundering. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayon. Non-specification and personal marks shall be erased or obliterated.

REPAIR – CONTINUED

Field/Organizational Repair

1. Inspect all items to determine the amount of repairs needed and whether such repairs can be accomplished within the organization or evacuate to a higher level of maintenance.
2. Repair to be accomplished at organizational level will be hand-sewing of rips, tears, loose seams, and damaged buttonholes.
3. Replacement buttons will match the original buttons in color, design, and size of the type specified in RPSTL.

Stitching and Re-stitching

Use machine sewing whenever possible for all stitching and re-stitching. To prevent unraveling, backstitch or bartack all stitching at least 1 inch (2.54 cm) at ends. Maintain proper thread tension to prevent loose stitching and to embed the lock in the center of the material sewn. When Type 401 stitch is used, place looper thread on the underside. The type of stitch, thread size, and stitches per inch are listed in Table 1.

Table 1. Stitching Requirements.

USE	STITCH	NEEDLE/THREAD	BOBBIN/THREAD	STITCHES PER INCH
General	301 or 401	30/3	30/3	12–16
Buttonhole		30/3	30/3	52 per buttonhole
Button	101 or 301	30/3		14–16
Slide Fastener	301	30/3	30/3	10–16
Bartack		50/3	50/3	28 per bartack

Patching and Darning

Darning. Repair small holes and tears not exceeding 1/2 inch (1.27 cm) in diameter by darning.

Patching. Patch holes, rips, tears, and areas worn thin which are greater than 1/2 inch (1.27 cm) in any dimension. The patch will match as nearly as possible the material being repaired in type, quality, and color.

1. Cut away the damaged area and turn edges under not less than 1/2 inch (1 27 cm) and not more than 1 inch (2.54 cm) around the perimeter of the opening with not less than 3/8 inch (0.953 cm) turn under of all edges except selvage edge.
2. Pre-cut patches to provide symmetry.
3. Inspect previously patched areas and repair if found defective.
4. Cut away all mildew areas and darn, patch, or replace.

Bartacks. Retack defective bartacks using the original construction method.

Gussets. Repair or replace missing, loose, or defective gussets. Repair gussets with holes not exceeding 1/2 inch (1.27 cm) by overlapping edges and hand-sewing with an overcast or hidden stitch.

Sleeves. When the lower half of the under sleeve is badly worn, apply patch to cover entire damaged area. Rip out the cuff stitching, tuck the lower edge of the patch inside, and re-stitch. Serge all frayed edges. Replace tabs, missing parts, or parts damaged beyond repair, using original construction method.

REPAIR – CONTINUED**Buttons**

Replace missing, damaged, or loose buttons with matching ones. Align buttons with buttonholes.

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones.

Snap Fasteners

Replace missing, loose, or damaged snap fasteners. Darn or patch damaged area surrounding snap fastener sockets and studs prior to attaching snap fasteners.

Drawcords

Replace missing or defective drawcords in lengths to match original construction.

Eyelets

Replace missing, loose, badly split, and off-center eyelets. Darn enlarged eyelet holes with No. 30/3 thread. Punch holes receiving eyelets smaller than outside diameter of eyelet barrel so that barrel must be forced through the material.

Sleeve Closures

Replace defective elastic webbing in sleeve adjusting straps. Replace defective buttonhole tabs.

Hangers

Replace defective or missing hanger loops. Construct hangers by folding a strip of cloth and double-stitch with a covering stitch on the underside.

Cuffs

Repair or replace defective or missing cuffs with cloth of like material, size, and style. Fold cuff and seam side edges. Turn cuff and attach points by single stitching the edge of the underfold of the cuff to the underside of the sleeve. Turn edge of upperfold of cuff and single stitch to the upper side of sleeve, continuing the raise stitching across square end of seam.

Pocket Flaps

Repair or replace torn, missing, or defective flaps. Re-stitch ripped seams or loose stitching.

Breast Pockets

Restitch loose or ripped pockets. Replace missing or defective pockets with ones fabricated of like material, size, and design of the original.

REPAIR – CONTINUED

Lower Pockets

1. Repair or replace defective or missing pockets with new ones of like material, constructed of double thickness of cloth with the corners supported by a strip of 3/4-inch (1.91 cm) material.
2. Turn in the raw edges of the facing and single-stitch to end of double pocket pieces.
3. Place welt piece and pocket flat on outside of pocket opening and sew through the coat, backstitch ends of stitching, and turn pocket and welt through opening and form a 1/2-inch (1.27 cm) welt.
4. Bring end of pocket up and stitch together with upper edge of facing to pocket opening.
5. Tack webbing strap to shoulder seam 1/2-inch (1.27 cm) from the neck and to the jacket side seam.

Binding and Facing

Re-stitch defective stitching in binding and facing. Replace torn, frayed, or missing bindings and facings or such parts that have mildewed or rotted.

Resizing

After cleaning and repair, resize garments according to sizes listed in the appropriate sizing Table 2. When garments vary in size from original markings, obliterate old marking and mark proper size with indelible pencil or waterproof ink. When measurements do not correspond to the measurements listed, re-label to the next-lower size.

Table 2. Extreme Cold Weather Parka without Hood Finished Measurements.

SIZE	HALF CHEST ¹	BACK LENGTH ²	SLEEVE LENGTH ³
X-SMALL	25	41	25
SMALL	27	41 1/2	25 1/2
MEDIUM	29	42	26
LARGE	31	42 1/2	26 1/2
X-LARGE	33	43	27
TOLERANCE	±3/4	±1	±3/4

¹The chest shall be measured at the base of the armholes, from folded edge to folded edge, with front closed.
²The back length shall be measured along center back from neck seam to extreme bottom edge of garment.
³The sleeve shall be measured from top of sleeve to bottom of sleeve.

Labeling

Each garment will have a combination identification-size label and an instruction label or a combination identification-size-instruction label conforming to Type I of DDD-L-20. Repair or re-mark labels to provide required information. Replace labels which cannot be repaired by re-marking with new ones located adjacent to or sewn over the old label.

Label information shall be printed in letters not less than 10 point and shall read as Figure 1 and Figure 2.

REPAIR – CONTINUED

<p>PARKA, EXTREME COLD WEATHER</p> <ol style="list-style-type: none"> 1. Wear as outer garment in cold-dry climate. 2. Button in liner for extra warmth. Remove it when damp or wet and allow to dry. 3. Button on fur ruffed hood for increased head protection. 4. Fasten drawstrings at waist and bottom for maximum warmth. Tighten sleeve cuffs by drawing elastic tabs tightly around wrists and buttoning tabs. 5. Tie the drawstrings around each thigh to provide greater freedom of movement and an additional water repellent surface to sit on. When bottom extension is not needed, turn it up on inside of parka and fasten with snap fasteners. 6. Loosen drawstrings, open zipper, and unbutton elastic tabs on sleeve cuffs to ventilate. AVOID overheating. 7. Brush off snow and frost before entering heated shelters. 8. Avoid contact with heated stoves, open fires, or other high heat sources; fabric may fuse. 9. Lubricate slide fastener with lead pencil, graphite, or wax. 10. For cleaning and restoring of water repellency return to laundry for machine washing in accordance with established procedure for quarpel-treated garments. The slide fastener shall be closed when laundered. <p style="text-align: center;">DO NOT REMOVE THIS LABEL</p>

Figure 1. Extreme Cold Weather Parka without Hood Care Label.

X-Small Regular
8415-782-3219
PARKA, EXTREME COLD WEATHER, MAN'S COTTON-NYLON-OXFORD, OG107, W/OUT HOOD
CHEST: UP to 33 IN.
Small Regular
8415-782-3217
PARKA, EXTREME COLD WEATHER, MAN'S COTTON-NYLON-OXFORD, OG107, W/OUT HOOD
CHEST: FROM 33 to 37 IN.
Medium Regular
8415-782-3218
PARKA, EXTREME COLD WEATHER, MAN'S COTTON-NYLON-OXFORD, OG107, W/OUT HOOD
CHEST: FROM 37 to 41 IN.
Large Regular
8415-782-3219
PARKA, EXTREME COLD WEATHER, MAN'S COTTON-NYLON-OXFORD, OG107, W/OUT HOOD
CHEST: FROM 41 to 45 IN.
X-Large Regular
8415-782-3220
PARKA, EXTREME COLD WEATHER, MAN'S COTTON-NYLON-OXFORD, OG107, W/OUT HOOD
CHEST: FROM 45 IN. UPWARD

Figure 2. Extreme Cold Weather Parka without Hood Sizing Label.

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
EXTREME COLD WEATHER PARKA LINER
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-Inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****User Cleaning**

User will keep garments clean either by individual laundering in accordance with prescribed home laundry procedures or by use of installation laundry facilities.

Laundry

Clothing will be processed in Army laundries in accordance with established cleaning practices as prescribed in FM 42-414. The parka is quarpel-treated and must be thoroughly rinsed after cleaning to ensure removal of cleaning compounds and reactivation of water-repellent characteristics.

END OF TASK**REPAIR**

Prior to repair operations, each Item shall be inspected by qualified personnel to determine the amount of repair necessary. Repairs will be made as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organization, unless otherwise prescribed. Dirt, mud, dust, spots, stains, and other foreign matter will be removed with a brush or by laundering. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayon. Non-specification and personal marks shall be erased or obliterated.

REPAIR – CONTINUED**Patching and Darning**

Darning. Repair small holes and tears not exceeding 1/2 inch (1.27 cm) in diameter by darning.

Patching. Patch holes, rips, tears, and areas worn thin which are greater than 1/2 inch (1.27 cm) in any dimension. The patch will match as nearly as possible the material being repaired in type, quality, and color.

1. Cut away the damaged area and turn edges under not less than 1/2 inch (1.27 cm) and not more than 1 inch (2.54 cm) around the perimeter of the opening with not less than 3/8 inch (0.953 cm) turnunder of all edges except selvage edge.
2. Pre-cut patches to provide symmetry.
3. Inspect previously patched areas and repair if found defective.
4. Cut away all mildew areas and darn, patch, or replace.

Sleeves. When the lower half of the under sleeve is badly worn, apply patch to cover entire damaged area. Rip out the cuff stitching, tuck the lower edge of the patch inside, and re-stitch. Serge all frayed edges. Replace tabs and other missing parts or parts damaged beyond repair, using original construction method.

Cuffs

Repair or replace defective or missing cuffs with cloth of like material, size, and style. Fold cuff and seam side edges. Turn cuff and attach points by single stitching the edge of the underfold of the cuff to the underside of the sleeve. Turn edge of upperfold of cuff and single stitch to the upper side of sleeve, continuing the raise stitching across square end of seam.

Labeling

Each garment will have a combination identification-size label and an instruction label or a combination identification-size-instruction label conforming to Type I of DDD-L-20. Repair or re-mark labels to provide required information. Replace labels which cannot be repaired by re-marking with new ones located adjacent to or sewn over the old label.

Label information shall be printed in letters not less than 10 point.

END OF TASK**END OF WORK PACKAGE**

**FIELD MAINTENANCE
COLD WEATHER TROUSERS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****User Cleaning**

User will keep garments clean either by individual laundering in accordance with prescribed home laundry procedures or by use of installation laundry facilities.

Laundry

Clothing will be processed in Army laundries in accordance with established cleaning practices as prescribed in FM 42-414. The trousers are quarpel-treated and must be thoroughly rinsed after cleaning to ensure removal of cleaning compounds and reactivation of water-repellent characteristics.

END OF TASK**REPAIR**

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repairs necessary. Repairs will be made as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organization unless otherwise prescribed.

Dirt, mud, dust, spots, stains, and other foreign matter will be removed with a brush or by laundering. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayon. Non-specification and personal marks shall be erased or obliterated.

REPAIR – CONTINUED**Field/Organizational Repair**

1. Inspect all items to determine the amount of repairs needed and whether such repairs can be accomplished within the organization or evacuate to higher level of maintenance.
2. Repair to be accomplished at organizational level will be hand-sewing of rips, tears, loose seams, and damaged buttonholes.
3. Replacement buttons will match the original buttons in color, design, and size of the type specified in the RPSTL.

Stitching and Re-stitching

Use machine sewing whenever possible for all stitching and re-stitching. To prevent unraveling, backstitch or bartack all stitching at least 1 inch (2.54 cm) at ends. Maintain proper thread tension to prevent loose stitching and to embed the lock in the center of the material sewn. When Type 401 stitch is used, place looper thread on the underside. The type of stitch, thread size, and stitches per inch are listed in Table 1.

Table 1. Stitching Requirements.

USE	STITCH	NEEDLE/THREAD	BOBBIN/THREAD	STITCHES PER INCH
General	301 or 401	30/3	30/3	12–16
Buttonhole		30/3	30/3	52 per buttonhole
Button	101 or 301	30/3		14–16
Slide Fastener	301	30/3	30/3	10–16
Bartack		50/3	50/3	28 per bartack

Patching and Darning

Darning. Repair small holes and tears not exceeding 1/2 inch (1.27 cm) in diameter by darning.

Patching. Patch holes, rips, tears, and areas worn thin which are greater than 1/2 inch (1.27 cm) in any dimension. The patch will match as nearly as possible the material being repaired in type, quality, and color.

1. Cut away the damaged area and turn edges under not less than 1/2 inch (1.27 cm) and not more than 1 inch (2.54 cm) around the perimeter of the opening, with not less than 3/8 inch (0.953 cm) turn under of all edges except selvage edge.
2. Pre-cut patches to provide symmetry.
3. Inspect previously patched areas and repair if found defective.
4. Cut away all mildew areas and darn, patch, or replace.

Bartacks. Re-tack defective bartacks using the original construction method.

Gussets. Repair or replace missing, loose, or defective gussets. Repair gussets with holes not exceeding 1/2 inch (1.27 cm) by overlapping edges and hand-sewing with an overcast or hidden stitch.

Sleeves. When the lower half of the under sleeve is badly worn, apply patch to cover entire damaged area. Rip out the cuff stitching, tuck the lower edge of the patch inside, and re-stitch. Serge all frayed edges. Replace tabs, missing parts, or parts damaged beyond repair using original construction method.

REPAIR – CONTINUED**Buttons**

Replace missing, damaged, or loose buttons with matching ones. Align buttons with buttonholes.

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones.

Snap Fasteners

Replace missing, loose, or damaged snap fasteners. Darn or patch damaged area surrounding snap fastener sockets and studs prior to attaching snap fasteners.

Drawcords

Replace missing or defective drawcords in lengths to match original construction.

Eyelets

Replace missing, loose, badly split, and off-center eyelets. Darn enlarged eyelet holes with No. 30/3 thread. Punch holes receiving eyelets smaller than outside diameter of eyelet barrel so that barrel must be forced through the material.

Sleeve Closures

Replace defective elastic webbing in sleeve adjusting straps. Replace defective buttonhole tabs.

Cuffs

Repair or replace defective or missing cuffs with cloth of like material, size, and style. Fold cuff and seam side edges. Turn cuff and attach points by single-stitching the edge of the underfold of the cuff to the underside of the sleeve. Turn edge of upperfold of cuff and single-stitch to the upper side of sleeve, continuing the raise stitching across square end of seam.

Pocket Flaps

Repair or replace torn, missing, or defective flaps. Re-stitch ripped seams or loose stitching.

Lower Pockets

1. Repair or replace defective or missing pockets with new ones of like material, constructed of double thickness of cloth with the corners supported by a strip of 3/4-inch (1.91 cm) material.
2. Turn in the raw edges of the facing and single-stitch to end of double pocket pieces.
3. Place welt piece and pocket flat on outside of pocket opening and sew through the coat, backstitch ends of stitching, and turn pocket and welt through opening and form a 1/2-inch (1.27 cm) welt.
4. Bring end of pocket up and stitch together with upper edge of facing to pocket opening.
5. Tack webbing strap to shoulder seam 1/2 inch (1.27 cm) from the neck and to the jacket side seam.

Binding and Facing

Re-stitch defective stitching in binding and facing. Replace torn, frayed, or missing bindings and facings or such parts that have mildewed or rotted.

REPAIR – CONTINUED**Resizing**

After cleaning and repair, resize garments according to sizes listed in Table 2. When garments vary in size from original markings, obliterate old marking and mark proper size with indelible pencil or waterproof ink. When measurements do not correspond to the measurements listed, re-label to the next lower size.

Table 2. Cold Weather Trousers Finished Measurements.

SIZE	1/2 WAIST¹	WAIST TOLERANCE	INSEAM²	INSEAM TOLERANCE
X-Small Short	14 1/2	+3/4 -1/2	27	±3/4
X-Small Regular	14 1/2	+3/4 -1/2	30	±3/4
X-Small Long	14 1/2	+3/4 -1/2	33	±3/4
Small Short	16 1/2	+3/4 -1/2	27	±3/4
Small Regular	16 1/2	+3/4 -1/2	30	±3/4
Small Long	16 1/2	+3/4 -1/2	33	±3/4
Medium Short	18 1/2	+3/4 -1/2	27	±3/4
Medium Regular	18 1/2	+3/4 -1/2	30	±3/4
Medium Long	18 1/2	+3/4 -1/2	33	±3/4
Large Short	20 1/2	+3/4 -1/2	27	±3/4
Large Regular	20 1/2	+3/4 -1/2	30	±3/4
Large Long	20 1/2	+3/4 -1/2	33	±3/4
X-Large Short	22 1/2	+3/4 -1/2	27	±3/4
X-Large Regular	22 1/2	+3/4 -1/2	30	±3/4
X-Large Long	22 1/2	+3/4 -1/2	33	±3/4

¹One-half waist measurement taken along top edge of waistband, with waistband buttoned, from folded edge to folded edge.
²Inseam taken from crotch seam to bottom edge of leg hem.

REPAIR – CONTINUED**Labeling**

Each garment will have a combination identification-size label and an instruction label, or a combination identification-size-instruction label conforming to Type I of DDD-L-20. Repair or re-mark labels to provide required information. Replace labels which cannot be repaired by re-marking with new ones located adjacent to or sewn over the old label.

Label information shall be printed in letters not less than 10 point and shall read as Figure 1 and Figure 2.

TROUSERS, MEN'S, COTTON AND NYLON WIND RESISTANT SATEEN, M-65, OG107

1. Wear as outer garment in cold-wet climate or as inner layer of cold-dry uniform.
2. Button in liner for extra warmth. Remove it when damp or wet and allow to dry.
3. Attach suspender hooks to waist loops.
4. Adjust waist by buckle straps.
5. Ventilate by loosening drawcords.
6. Wear leg bottoms outside foot gear and secure drawcords.
7. Brush off snow and frost before entering heated shelter.
8. Avoid contact with heated stoves, open fires, or other high heat source; fabric may fuse.
9. Dry trousers and liner separately.
10. Lubricate slide fastener with lead pencil, graphite, or wax.
11. Wash by hand or machine, with slide fastener closed, in cold water <90° F with mild soap or detergent, rinse thoroughly. Machine dry <130° F or drip dry.

Figure 1. Cold Weather Trousers Care Label.

REPAIR – CONTINUED

X-Small Short		X-Small Regular	
Waist:	Below 27 in.	Waist:	Below 27 in.
Inseam:	Up to 29-1/2 in.	Inseam:	29-1/2 to 32-1/2 in.
Stock No.	N/A	Stock No.	8415-01-099-7853
NATO Size:	6775/5869	NATO Size:	7583/5869
Small Short		Small Regular	
Waist:	From 27 to 31 in.	Waist:	From 27 to 30 in.
Inseam:	Up to 29-1/2 in.	Inseam:	29-1/2 to 32-1/2 in.
Stock No.	8415-01-099-7854	Stock No.	8415-01-099-7855
NATO Size:	6775/6979	NATO Size:	7583/6979
Medium Short		Medium Regular	
Waist:	From 31 to 35 in.	Waist:	From 31 to 35 in.
Inseam:	Up to 29-1/2 in.	Inseam:	From 29-1/2 to 32-1/2 in.
Stock No.	8415-01-099-7857	Stock No.	8415-01-099-7858
NATO Size:	6775/7989	NATO Size:	7583/7989
Small Long		Large Regular	
Waist:	From 27 to 31 in.	Waist:	From 35 to 39 in.
Inseam:	Over 32-1/2 in.	Inseam:	29-1/2 to 32-1/2 in.
Stock No.	8415-01-099-7856	Stock No.	8415-01-099-7860
NATO Size:	8390/6979	NATO Size:	7583/8999
Medium Long		X-Large Regular	
Waist:	From 31 to 35 in.	Waist:	From 39 to 43 in.
Inseam:	Over 32-1/2 in.	Inseam:	29-1/2 to 32-1/2 in.
Stock No.	8415-01-099-7859	Stock No.	8415-01-100-0977
NATO Size:	8390/7989	NATO Size:	7583/9909
Large Long		X-Large Long	
Waist:	From 35 to 39 in.	Waist:	From 39 to 43 in.
Inseam:	Over 32-1/2 in.	Inseam:	Over 32-1/2 in.
Stock No.	8415-01-099-7861	Stock No.	8415-01-099-7862
NATO Size:	8390/8999	NATO Size:	8390/9909

Figure 2. Cold Weather Trousers Sizing Label.

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
SNOW CAMOUFLAGE PARKA AND TROUSERS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Remove all dirt, mud, dust, spots, stains and other foreign matter with a brush before examining the garment. Rotted items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personal marks shall be erased or obliterated.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****CAUTION**

Do not use chlorine bleach or starch. Discoloration and degradation of infrared protection capacity of the material will result.

Machine/Hand Laundering. The parka and trousers are to be laundered in Wash and Wear setting/warm water (120 °F) with phosphate detergent when not restricted; rinse three times; wash darks separately. Tumble dry the parka and trousers on the low setting (temperature <90 °F) or use a clothes rack, line, or non-metal hanger to drip dry the items.

Field Laundry. The parka and trousers are to be laundered using Formula II of FM 42-412. Tumble dry the parka and trousers on the low setting (temperature <90 °F). Do not press these items.

END OF TASK

REPAIR

Prior to repair operations, each item shall be inspected by qualified personnel to determine the extent of repair necessary. All repairs to the components of the parka and trousers will be accomplished at the appropriate level. FM 10-16 will be used as a general guide.

Materials used to repair the parka and trousers shall be serviceable materials recovered from similar salvaged items or new materials that conform to the specifications listed in this technical manual.

All work shall be accomplished only by qualified personnel. The finished garments shall be completed, clean, and free from defects affecting their serviceability and appearance. Sealed seams and stitching shall show no leakage when tested. Threads shall be neatly trimmed. Drawcords shall not be missing or caught in hem, tunnel, or waistband stitching. Drawcords shall be of sufficient lengths with ends heat seared and knotted. Slide fasteners shall close properly, be of specified length and color, and contain thongs as specified. Seams shall not be twisted, pleated, or puckered. Stitch tension shall be adequate, not loose or tight, with specified number of stitches per inch on major portions of seam. The material shall not be defective or damaged in any manner. The material shall not contain cuts, tears, mends, burns, needle chews or holes.

Rips and Tears

Any rip or tear closer than 3/4 inch to any seam will be repaired by sewing. Other rips, tears, or stress points (pockets) may be repaired by heat seal patches in all directions beyond the tear or other damage. The heat seal patch should be selected from commercial pre-cut patches such that, when applied, it will extend approximately 3/4 inch in all directions beyond the tear or other damage and will have rounded corners. Pre-cut patches in several sizes may be used.

1. When patching the parka by hand, iron, or automatic heat seal mending equipment, place the garment area to be patched on an ironing board.

NOTE

Patches shall be applied to the inside of the garment. The garment may be turned inside out or the patch may be inserted within the garment, taking care that the patch is centered in the desired position.

2. Trim all raveled ends with scissors.
3. Smooth out the area to be patched so that the tear is closed or very near closed and so that there will be no wrinkles, folds, seams, or other protrusions under the iron when it is applied.
4. Pre-warm the area to be patched by pressing with a household electric dry iron or steam iron used in the dry mode.
5. Set the iron heat selector for cotton and apply the iron for 5 seconds or more (avoid scorching the fabric).
6. Immediately position the patch of the desired size and shape.

NOTE

Patches that are longer than the iron may be ironed in sections, starting at the center and completing each section before proceeding to the next section. Overlapping of the iron upon a previously bonded section is permissible.

7. Hold the iron on the patch for about 12 seconds. Use no more than a slight rotating or reciprocal motion of the iron and apply constant pressure.
8. Remove the iron and allow the patched area to cool in place, about 5 seconds, or long enough so that the patch will not lift off when the garment is removed from the ironing board.

REPAIR – CONTINUED**NOTE**

When available, use automatic heat seal equipment in lieu of a hand iron.

9. Carefully trim away any frayed protrusions at the torn edges.
10. **QA Check.** Check the quality of the adhesive bond periodically and adjust heating times and temperatures of the heating plate as follows:

NOTE

If the adhesive strikes through the patch cloth, too much heat has been applied. Reduce time of pressing or temperature of the iron. A small amount of strike through is not objectionable provided the patch meets the above-cited check test.

When patching by a special automatic press, the platen, temperature, dwell time, dwell pressure, and other details should be in accordance with the press manufacturer's instructions.

- a. Test a patch which has cooled for about 5 minutes by picking with the fingers at an edge of the patch until a tab about 1/4- to 1/2-inch long is formed.
- b. Pull hard on the tab with fingers.
- a. A well-bonded tab will be difficult to peel off and will indicate that iron adjustment and heating time are adequate.
- b. Replace the check test patch with a new patch.

Stitching and Re-stitching

The location, stitch type, thread size, and stitches per inch for the parka and trousers are listed in Table 1 and Table 2. All stitches, seams, and stitching shall conform to FED-STD-751. Seam allowances shall be maintained with seams sewn so no raw edges, run-offs, pleats, puckers, or open seams occur except where they are supposed to occur (pleats in the trousers knees). When two or more methods of stitching are given for the same operation, any or one may be used.

Table 1. Stitching Instructions (Parka).

OPERATION	STITCH TYPE	THREAD SIZE		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	30	30	10–13
Assembling hood	301 or 401	30	30	10–13
Bartacks (Draw cord center back hood, vent opening center back seam, hood attachment seam ends, and bottom hem ends)	3/8 to 1/2 inch	30	30	28 per tack
Eyelet	502 or 503	50	50	26–32 per eyelet
Overedge stitch for storage pouch	515 or 516	30	30	10–13

REPAIR – CONTINUED

Table 2. Stitching Instructions (Trousers).

OPERATION	STITCH TYPE	THREAD SIZE		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	30	30	10–13
Assembling front fly	301 or 401	30	30	10–13
<u>Bartacks</u> (To assemble and attach waistband button tabs, waistband tunnel ends, suspender loops bellows pockets) Horizontally across fold pleats and vertically at edge of bellows, opposite top edge of pocket, and bottom pocket edge on bellows side.	3/8 to 1/2 inch	30	30	28 per tack
Eyelet	502 or 503	50	50	26–32 per eyelet
Overedge stitch for storage pouch	515 or 516	30	30	10–13

Repair of Type 301 Stitching. Ends of all stitching shall be backstitched or overstitched not less than 1/2 inch except where ends are turned under or caught in other seams or stitching. Ends of a continuous line of stitching shall overlap not less than 1/2 inch.

Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of materials sewn. The lock shall be embedded in the materials sewn. When thread breaks, skipped stitches, run-offs, or bobbin runouts occur during webbing stitching shall be repaired by restarting the stitching a minimum of 1/2 inch back of end of the interrupted stitching. Except for pre-stitching, thread breaks of two or more consecutive skipped or run-off stitches noted during inspection of the item shall be repaired by overstitching.

Start stitching a minimum of 1/2 inch in back of defective area; continue over the defective area and a minimum of 1/2 inch beyond defective area onto the existing stitching. Repair loose or excessively tight stitching by removing defective stitching without damaging the materials, and re-stitching in the required manner. When making above repairs, ends of stitching need not be backstitched.

Repair of Types 401, 502, 503, 515, and 516 Stitching. These stitching types are repaired in the same manner as Type 301, except that repairs to Type 401 stitching require both ends of all seams to have a 1/2 inch minimum chain extending beyond each end unless they are caught in a seam or other stitching.

Repair of Bartacks. Unless otherwise specified, all bartacks shall be 3/8 to 5/8 inch long and $1/8 \pm 1/16$ inch wide, and shall contain 28 stitches. Bartacking shall be free from thread breaks and loose stitching.

REPAIR –CONTINUED**Repair of Slide Fasteners**

Replace damaged, missing, or malfunctioning slide fasteners with serviceable ones. Slide fasteners are not seam-sealed in; remove the one to be replaced and sew in a new one. All sizes for trouser slide fasteners are listed in Table 3.

Table 3. Slide Fastener Lengths.

Trouser Size	Front Fly Length (in)	Leg Opening Length (in)
X-Small Short	9 3/4	17 5/8
X-Small Regular	10 1/4	20 5/8
X-Small Long	10 3/4	20 5/8
Small Short	10 1/4	17 5/8
Small Regular	10 3/4	20 5/8
Small Long	11 1/4	20 5/8
Medium Short	10 3/4	17 5/8
Medium Regular	11 1/4	20 5/8
Medium Long	11 3/4	20 5/8
Large Short	11 1/4	17 5/8
Large Regular	11 3/4	20 5/8
Large Long	12 1/4	20 5/8
X-Large Short	11 3/4	17 5/8
X-Large Regular	12 1/4	20 5/8
X-Large Long	12 3/4	20 5/8

Snap Fastener Repair

Replace missing, loose, or damaged snap fasteners. Patch damaged area surrounding snap fastener sockets and studs prior to attaching snap fasteners.

REPAIR – CONTINUED

Drawcord and Barrel Lock Repair

Replace missing or defective drawcords in lengths to match original construction. Drawcord ends shall be heat seared and knotted. See Table 4 and Table 5 for proper lengths. Replace barrel locks as required.

Table 4. Drawcord and Tape Lengths (Parka).

ITEM	X-SMALL	SMALL	MEDIUM	LARGE	X-LARGE	TOLERANCE
Hood	50	50	50	50	50	±1
Waist	56	60	64	68	72	±1
Bottom Hem	41	42	44	46	48	±1
Pouch	22	22	22	22	22	±1
Elastic for Sleeve	10	10	10	10	10	±1

Table 5. Drawcord and Tape Lengths (Trousers).

ITEM	X-SMALL	SMALL	MEDIUM	LARGE	X-LARGE	TOLERANCE
Waist	38	42	46	50	54	±1
Pouch	22	22	22	22	22	±1/2
Button Tab 1-Inch Tape	4	4	4	4	4	±1
Suspender Loop 1/4-Inch Tape	6	6	6	6	6	±1
Elastic for Leg Hem	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	±1

Elastic Webbing

Replace defective elastic webbing at bottom of sleeves and legs. Legs for webbing are listed in Table 4 and Table 5.

Pocket Repair

Re-stitch loose or ripped pockets. Replace missing or defective pockets with new ones using cloth conforming to MIL-C-44431, Cloth, Plain Weave, Nylon Filament, Lightweight.

To attach pockets and flaps to fronts:

1. Turn in edges of pockets 1/2 inch if not pre-hemmed.
2. Position pockets and stitch 1/16 to 1/8 inch from folded edge around sides and bottom, tacking tops.
3. Position breast pocket flap above pockets so line of stitching will lie away from pocket.
4. Stitch to fronts 3/16 to 1/4 inch from overedged edge.
5. Turn flap sown and raise stitch 1/4 to 5/16 inch from fold, tacking ends.
6. Turn pocket opening side of handwarmer pockets on shirt to inside and stitch 3/8 to 1/2 inch from folded edge for hem.
7. Position handwarmer pockets. Turn seam allowance under; stitch 1/8 to 3/16 inch from folded edges.

REPAIR – CONTINUED**Resizing**

After cleaning and repair, resize garments according to sizes listed in Table 6 through Table 8 below. When garments vary in size from original marking, obliterate old marking and re-mark with proper size using indelible pencil or waterproof ink. When actual measurements do not correspond to the size indicated, re-label to the next lowest size.

Table 6. Finished Measurements (Parka).

Size	½ Chest ¹ (in)	Back Length ² (in)	Sleeve Length ³ (in)
X-Small	28 1/2	38	27 1/2
Small	30 1/2	38 1/2	27 3/4
Medium	32 1/2	39	27 7/8
Large	34 1/2	39 1/2	28
X-Large	36 1/2	40	28 1/8
Tolerance	±1/2	±1/4	±1/2

¹With parka closed and smoothed flat, measure ½ chest from folded edge to folded edge at base of armhole seams.
²Measure center back length from neck seam to bottom of vent opening.
³Measure sleeve length from center sleeve-setting at shoulder to bottom edge of sleeve.

Table 7. Finished Measurements (Trousers).

Size	1/2 Waist ¹ (in)	Inseam ² (in)	Outseam ³ (in)	1/2 Knee ⁴ (in)	1/2 Bottom ⁵ (in)
X-Small Short	16	25 1/2	38	13 7/8	12
Small Short	18	25 1/2	39	14 1/2	12 1/4
Medium Short	20	25 1/2	39 1/2	15 1/4	12 1/2
Large Short	22	25 1/2	40	16	12 3/4
X-Large Short	24	25 1/2	40 1/2	16 5/8	13
X-Small Regular	16	28 1/2	42	13 7/8	12
Small Regular	18	28 1/2	42 1/2	14 1/2	12 1/4
Medium Regular	20	28 1/2	43	15 1/4	12 1/2
Large Regular	22	28 1/2	43 1/2	16	12 3/4
X-Large Regular	24	28 1/2	44	16 5/8	13
X-Small Long	16	31 1/2	45 1/2	13 7/8	12
Small Long	18	31 1/2	46	14 1/2	12 1/4
Medium Long	20	31 1/2	46 1/2	15 1/4	12 1/2
Large Long	22	31 1/2	47	16	12 3/4
X-Large Long	24	31 1/2	47 1/2	16 5/8	13
Tolerance	±1/2	±3/4	±3/4	±1/2	±1/2

¹Measurement taken along top edge of waist from folded edge to folded edge with front snap fastener secured.
²Measurement taken from center of crotch seam to bottom edge of leg trouser flat, measure from top of waistband to trouser leg hem.
³Measurement taken from top of waist to bottom of trousers along outseam.
⁴Measurement taken between knee pleats across knee from folded edge to folded edge.
⁵Measurement taken across bottom of leg from folded edge to folded edge.

REPAIR – CONTINUED

Table 8. Parka Sizes.

Size	Chest MN	Chest WM	NSN	NATO Size
X-Small	Up to 33 in	Up to 36 in	None	7080/7484
Small	33 to 37 in	36 to 40 in	8415-00-223-7625	7080/1424
Medium	37 to 41 in	40 to 44 in	8415-00-223-7628	7080/9404
Large	41 to 45 in	41 to 45 in	8415-00-223-7627	7080/0414
X-Large	45 inches and up	45 inches and up	8415-00-268-7980	7080/1424

Table 9. Trouser Sizes.

Size	Inseam	Waist	NSN	NATO Size
X-Small Short	Up to 29 1/2 in	Below 27 in	None	6975/6469
X-Small Regular	29 1/2 to 32 1/2 in	Below 27 in	8415-00-935-0567	7583/6469
X-Small Long	Over 32 1/2 in	Below 27 in	None	8386/6469
Small Short	Up to 29 1/2 in	27 to 31 in	8415-00-935-0568	6975/6979
Small Regular	Over 29 1/2 in	27 to 31 in	8415-00-935-0569	7583/6979
Small Long	Over 32 1/2 in	27 to 31 in	8415-00-935-0570	8386/6979
Medium Short	Up to 29 1/2 in	31 to 35 in	841-00-935-0571	6975/7989
Medium Regular	29 1/2 to 32 1/2 in	31 to 35 in	8415-00-935-0572	7583/7989
Medium Long	Over 32 1/2 in	31 to 35 in	8415-00-935-0573	8386/7989
Large Short	Up to 29 1/2 in	35 to 39 in	None	6975/8999
Large Regular	29 1/2 to 32 1/2 in	35 to 39 in	8415-00-935-0574	7583/8999
Large Long	Over 32 1/2 in	35 to 39 in	8415-00-935-0575	8386/8999
X-Large Short	Up to 29 1/2 in	39 to 43 in	None	6975/9909
X-Large Regular	29 1/2 to 32 1/2 in	39 to 43 in	8415-00-935-0576	7583/9909
X-Large Long	Over 32 1/2 in	39 to 43 in	8415-00-935-0577	8386/9909

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
WET WEATHER PARKA AND TROUSERS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 10-16
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Remove all dirt, mud, dust, spots, stains and other foreign matter with a brush before examining the garment. Rotten items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personal marks shall be erased or obliterated.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE**

Do not machine wash or machine dry the wet weather parka or wet weather trousers. Clean with a clean cloth, shampoo by hand with a soft bristle brush using warm water and a mild soap or synthetic detergent, and rinse thoroughly.

Air dry the parka and trousers. Do not use direct heat, as this will cause the coated material to dry out and crack.

END OF TASK

REPAIR

Prior to repair operations, each item shall be inspected by qualified personnel to determine the extent of repair necessary. All repairs to the components of the parka and trousers will be accomplished at the appropriate level. FM 10-16 will be used as a general guide.

Materials used to repair the parka and trousers shall be serviceable materials recovered from similar salvaged items or new materials that conform to the specifications listed in this technical manual.

All work shall be accomplished only by qualified personnel. The finished garments shall be completed, clean, and free from defects affecting their serviceability and appearance. Threads shall be neatly trimmed. Drawcords shall not be missing or caught in hem, tunnel, or waistband stitching. Drawcords shall be of sufficient lengths with ends heat seared and knotted. Slide fasteners shall close properly, be of specified length and color, and contain thongs as specified. Seams shall not be twisted, pleated, or puckered. Stitch tension shall be adequate, not loose or tight, with specified number of stitches per inch on major portions of seam. The material shall not be defective or damaged in any manner. The material shall not contain cuts, tears, mends, burns, needle chews or holes.

Rips and Tears

The repair of rips and tears consists of cleaning the area to be repaired, applying adhesive to patch and to the repair area, allowing adhesive on both to dry about an hour, and pressing patch in place. Procedures are outlined below.

Preparation of Patch.

1. Cut a piece of the patching fabric from the kit.
2. Make it large enough to provide all the patches that will be needed that day.
3. Clean the lighter coated side (duller and less smooth) by wiping with paper towels, wet (but not dripping) with toluene solvent, and allow to dry.

WARNING

Toluene is a poisonous flammable compound and should not be used. Instead, use fusible lining material on the underside of the patch.

4. Stir the adhesive and apply to the cleaned side of the piece, spread rapidly with a minimum of strokes. Overlap strokes as little as possible. (When a large piece of fabric is being coated, a paint brush may be used or two or three kit brushes may be taped together.)
5. Dry until the piece can be cut into patches without the adhesive fouling the shears. This may take an hour, but might be as little as 20 minutes on warm, dry days.
6. Cut patches in the required sizes and shapes as needed (generally rectangular). Round off corners. The patch should cover the damage and extend into the surrounding area of the garment about 3/4 inch (1.91 cm) in all directions.
7. These adhesive coated patches may then be applied in the subsequent patching procedure at any time during the rest of the day.

NOTE

When making one patch only, proceed as above, except apply the adhesive after the one patch is cut. Hold the patch down with the point of a small stick, pencil, or other similar device and apply the adhesive by brushing outwards from the center of the patch all around.

REPAIR – CONTINUED**Prepare Punctured, Torn, or Work Area.**

1. If heavily soiled, pre-clean the damaged area. If area is wetted with water or other cleaning fluid, dry thoroughly.
2. Trim off any badly frayed or curled edges.
3. Spread out the garment area to be patched on a flat work surface.
4. Where the hole to be patched is wide or where there is a large porous area to be patched, slip the polyethylene film from the kit under the garment layer to be patched. This will help keep the adhesive from messing up the garment and work surface.
5. Wipe the area to be patched, using a toluene wetted cloth or paper towel and dry.
6. Using the patch from above as a template, place it in what will be its final position on the torn area and make a tracing along its border. Use a No. 2 or soft pencil for tracing.
7. Remove the patch and apply one even coat of the adhesive within the tracing and just including the tracing line. Do not brush directly into open tears and holes. Rapidly brush with a minimum of strokes.
8. Dry until there is no sign of wetness or tackiness (generally an hour or less).

Patch Assembly.**NOTE**

The patch will adhere well enough in an hour for ordinary handling but will not withstand snagging or hard abuse.

1. Carefully set the patch exactly on the marked prepared area and press together firmly.
2. Roll the patch with heavy hand pressure using roller provided in the kit then dust the patched area using the talcing bag furnished with the kit.
3. The garment may be worn immediately. If it is to be packed for storage or shipment, allow one hour drying under good ventilation to dissipate solvents completely.

Stitching and Re-stitching

Machine sew all items being repaired except in emergency repair. Backstitch all stitching at ends to prevent unraveling. Properly maintain thread tension to prevent loose stitching. Use same stitching space and type of seams as that of original construction. Re-stitch all seams having loose and/or weak thread. Overstitch thread breaks in double lock stitching (Type 401) not less than 1/2 inch (1.27 cm) at each break. For information on the various stitch types used, see Federal Standard 751. Thread sizes are found in RPSTL.

Drawcords

Replace missing, frayed, or otherwise defective drawcords cut from braid. Dip the ends of the drawcords in a suitable synthetic resin or type with a non-flammable plastic to prevent fraying.

Hardware

Straighten bent and damaged hardware that is otherwise serviceable. Replace hardware such as keepers, eyelets, and snaps that are missing or damaged beyond repair. Retouch or refinish hardware as required. Thoroughly clean hardware of rust, corrosion, dirt, or other foreign matter. Exercise care in replacing or inserting eyelets and fasteners so as not to damage material. Tightly clinch the eyelets without splitting. Tightly clinch fasteners.

REPAIR – CONTINUED

Sealing Seams

Use heat-sealed seam tape instead of liquid seam sealant.

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
WET WEATHER PONCHO LINER
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 10-16
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Remove all dirt, mud, dust, spots, stains and other foreign matter with a brush before examining the garment. Rotted items will be discarded. Seams will be tested by grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked with crayons. Non-specific and personal marks shall be erased or obliterated.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****CAUTION**

Do not use chlorine bleach or starch. Discoloration and degradation of infrared protection capacity of the material will result. Do not dry clean.

Remove dirt, mud, or other foreign matter with damp or dry cloth. Rub exceedingly dirty areas with limited amounts of water that will not saturate the polyester batting; rinse and dry thoroughly. Garments that require laundering will be processed in Army facilities in accordance with established laundry practices set forth in FM 42-414, Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support.

END OF TASK

REPAIR

Prior to repair operations, each item shall be inspected by qualified personnel to determine the extent of repair necessary. All repairs to the components of the poncho liner will be accomplished at the appropriate level. FM 10-16 will be used as a general guide.

Materials used to repair the poncho liner shall be serviceable materials recovered from similar salvaged items or new materials that conform to the specifications listed in this technical manual.

All work shall be accomplished only by qualified personnel. The finished garments shall be completed, clean, and free from defects affecting their serviceability and appearance. Sealed seams and stitching shall show no leakage when tested. Threads shall be neatly trimmed. Drawcords shall not be missing or caught in hem, tunnel, or waist- band stitching. Drawcords shall be of sufficient lengths with ends heat seared and knotted. Slide fasteners shall close properly, be of specified length and color, and contain thongs as specified. Seams shall not be twisted, pleated, or puckered. Stitch tension shall be adequate, not loose or tight, with specified number of stitches per inch on major portions of seam. The material shall not be defective or damaged in any manner. The material shall not contain cuts, tears, mends, burns, needle chews or holes.

Repairs to be accomplished at organizational maintenance are limited to replacing missing or damaged buttons, applying pressure-sensitive patches, and mending small rips and tears by hand-sewing. To prevent loss of polyester batting, all tears and holes or other openings in the liner will be repaired. There is no limit to the number of times the liner may be patched, provided repair costs do not exceed 35 percent of the acquisition cost of the item. Any filling material (polyester batting) which has been lost through holes or tears will be replaced with filling material taken from salvaged liners or material conforming to Type III, Class 3, Style A, MIL-B-41826. Insert sufficient filling material to obtain about the same bulk as in adjacent undamaged channels. Apply pressure-sensitive patches to liner covers where damage does not extend into a seam as follows:

1. Lay out the liner with the damaged area exposed and trim ragged, frayed, or torn areas of cloth in order to provide smooth area for patch.
2. Determine size of patch required and mark around damaged area. Measure and cut pressure-sensitive adhesive repair tape to shape. Patches should overlap edges of damaged area by 3/4 inch. Round off corners of patches.
3. Remove paper backing from repair tape. To remove backing, crease and score with fingernail, being careful not to damage cloth, and peel paper backing from tape.
4. Remove wrinkles from area to be repaired and apply patch over damaged area on the outside. Press to smooth patch in place.

NOTE

Temporary patches will not hold for laundering.

5. When holes exceed 2 inches, apply a patch to the inside fabric before applying outside patch.

Stitching and Re-stitching

Use machine stitching wherever possible for all stitching and backstitching. Backstitch or bartack all stitching at ends to prevent unraveling. Maintain proper thread tension to prevent loose stitching and to embed the lock in the center of material sewn. The looper thread should be on the outside of the garment backstitch Type 301 stitching not less than 1 inch at each break. Overlock thread breaks in overedge stitching not less than 3/4 inch (1.91 cm). Thread size shall conform to V-T-276 of the types and sizes listed in Table 1.

REPAIR – CONTINUED**Table 1. Wet Weather Poncho Liner Stitching Requirements.**

USE	STITCH	NEEDLE THREAD	BOBBIN THREAD	STITCHES PER INCH
General	301	B	B	10–12
Bartacking	--	B	B	28 (bartack)

Patching and Darning

Patch holes or worn areas on any surface exceeding 1/8 inch (0.318 cm). Precut patches of matching material for uniformity. Cut patches to extend approximately 3/4 inch (1.91 cm) around perimeter of opening, providing not less than 3/8 inch (0.953 cm) turn-under at all edges except selvage edges. Darn holes and worn areas of less than 1/4 inch (0.635 cm). Turn under frayed hems and edges and re-stitch. Use sharp needles to sew lining to prevent large needle holes or cutting the fabric.

Buttons and Buttonholes

Replace damaged or missing buttons with matching serviceable or new buttons. Properly align replacement button with corresponding buttonhole. Rework damaged buttonholes over gimp to match original design. Pull and shape by hand or machine-stitch a matching small reinforcement patch on the underside and rework through the patch.

Binding Tape

Overlap the damaged binding tape with new tape extending 1 inch beyond the damaged area. Turn binding edges under 1/2 inch (1.27 cm) and stitch 1/8 inch (0.318 cm) from edge of tape.

Tie Tapes

Replace tapes which have holes or tears by carefully cutting the stitching securing the damaged tie tape to the liner and remove the tie tape. Cut a length of spun nylon facing for each tie tape to be replaced. Fuse tie tape end or impregnate with cellulose acetate or cellulose acetate butyrate. Fold tie tape in half and bartack across folded end to liner. Spread tapes so that inside edges are abutted and bartack across the width of both tapes 1/2 to 3/4 inch (1.27 to 1.91 cm) below first bartack.

Resizing

After cleaning and repair have been accomplished, resize liners according to sizes listed in Table 2. The finished measurements for the poncho liner are length, no less than 89 1/2 inches (227.3 cm) and width no less than 64 1/2 inches (163.8 cm); however, dimensional deficiency is not sufficient reason for classifying the item as condition Code H. When items deviate in size from original markings, obliterate the old marking and print or stamp the proper size with indelible pencil or waterproof ink near the old size. When measurements do not correspond to a size listed, mark the item with the next lowest size.

REPAIR – CONTINUED

Table 2. Wet Weather Poncho Liner Sizing Information.

SIZE	X-SMALL INCHES	SMALL INCHES	MEDIUM INCHES	LARGE INCHES	X-LARGE INCHES	TOLERANCE INCHES
1/2 chest ¹	25	27	29	31	33	±3/4
Back length ²	32 1/2	33	33 1/2	34	34 1/2	±3/4
Sleeve length ³	24	24 1/2	25	25 1/2	26	±3/4

¹Measurement shall be taken, with liner flat and front edges abutting, from the folded edge to folded edge at base of armholes.

²Measured from top edge at neck to bottom edge along center back.

³Measure overedged side of back arm seam from top of overedge stitching at armhole to bottom of sleeve with no tension applied to seam.

Labels

Each clothing liner shall have an identification label and a size label or a combination size and identification label conforming to DDD-L-20. The poncho liner shall have an identification label only. Repair or re-mark original labels to provide the required information. Replace labels that cannot be repaired with new ones located adjacent to or sewn over old label. The identification label shall conform to Type I, Class 1, of DDD-L-20. The size label shall conform to Type I, Class 2 or DDD-L-20.

Instruction labels shall contain the information in Figure 1.

LINER, WET WEATHER PONCHO

1. Spread the poncho flat on the ground, making sure that the hood opening is tightly closed and is on the ground side.
2. Place liner on poncho, matching the tie laces on liner with the grommets on the poncho and tie together.
3. If the poncho and liner combination is to be used as a sleeping bag, snap the sides of the poncho together along their entire length and tuck the foot end under to keep the feet from sticking out.

CAUTION

Do not fasten the snap fasteners together when used as a sleeping bag in combat areas; it cannot be opened quickly.

4. Poncho and liner combination can be used as a wraparound sleeping bag or as a blanket.
5. The liner, without the poncho, can be used as a blanket when sleeping under cover or in a jungle hammock.
6. Keep liner away from open fire and sparks. DO NOT SMOKE in bed when using liner as a blanket or sleeping bag.
7. When necessary, liner can be hand laundered. Use a mild soap and LUKEWARM water. Do not boil.
8. Do not dry clean.

Figure 1. Wet Weather Poncho Liner Label.

END OF TASK

END OF WORK PACKAGE

CHAPTER 7
FIELD MAINTENANCE
FOR
PROTECTIVE CLOTHING

**FIELD MAINTENANCE
CHEMICAL PROTECTIVE UNDERSHIRT AND DRAWERS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Personnel Required

Non-MOS Specific (1)

References

FM 10-16

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Prior to repair, each item will be inspected to determine the amount of repair necessary. All repairs to components of the Chemical Protective Underwear (CPU) will be accomplished at the sustainment level. FM 10-16 will be used as a general guide.

Remove all dirt, mud, dust, spots, stains and other foreign matter with a brush before examining the garment. Seams will be tested by firmly grasping the item with both hands and pulling at right angles to the seams. Areas to be repaired shall be marked by means of tape or chalk or other removable means. Non-specific and personal marks shall be erased or obliterated.

Repair of the CPU is authorized for training garments only.

END OF TASK**SERVICE****CAUTION**

Do not bleach or dry clean CPU.

Cleaning

The undershirt and drawers may be laundered an unlimited number of times during training life. Dirty clothes wear out quickly because dirt cuts textile fibers and retains moisture from perspiration. Prior to laundering and drying, make sure all slide fasteners are engaged and all fastener tapes are fastened. Securing these items will result in a better laundered garment.

Stain/Spot Removal. Following instructions on container, use a pre-wash or spot remover directly on the stain or spot followed by a standard laundry cycle with Type II detergent.

SERVICE – CONTINUED**Machine Laundering****NOTE**

Do not use bleach or starch. Do not dry clean or steam press.

When used, laundry pins shall be secured below the care label on the jacket flap and on the trouser elastic waistband.

Always mark the "next laundering" record box prior to any laundering with an indelible ink marker. For field laundry, the laundry operation personnel are responsible for marking the garments.

Use Formula II from FM 10-280 or Formula IV of "Natick Formulas" using warm water (90 to 110 °F [32 to 63 °C]) and Type II detergent. Rinse thoroughly in clean, warm water.

Formula II is used to launder the CPU. Three ounces of commercially available quaternary ammonium softener and bacteriostat is added in the second rinse. To reduce shrinkage and strain on the items, the washer should be fully loaded and stopped during filling and draining. Allow the extractor to reach top speed, and then shut it off. Be sure the tumbler is fully loaded. Dry the CPUs at a temperature not exceeding 120 °F (49 °C).

Tumble dry at low temperatures (110 °F [43 °C]) and REMOVE IMMEDIATELY from the dryer. AVOID OVERDRYING. To drip dry, remove from water and place on a rustproof hanger.

Table 1. CPU Laundry Instructions.

OPERATION	WATER LEVEL	TIME (MIN)	TEMPERATURE DEG. F/C	SUPPLIES
Suds	High	5	90/32	Detergent, Type II, 6 oz.
Suds	High	5	90/32	Detergent, Type II, 4 oz.
Rinse	High	2	90/32	
Rinse	High	2	90/32	
Rinse	High	2	90/32	Sour, 2 oz.

END OF TASK

REPAIR**General****WARNING**

Fielded items will not be repaired. Repair of the CPU is authorized for training garments only. CPU with rips, tears, or required repairs will not be issued to the soldier for protection against chemical agents. Failure to follow these precautions could result in injury or death to the user.

NOTE

Wide latitude for repair of training garments is encouraged.

Materials used in the repair of CPU will be serviceable materials recovered from similar salvaged items, except where specifically prohibited, or will be new materials.

New materials will conform to the appropriate specifications and will be requisitioned from stock using National Stock Numbers (NSN), complete Military Standard numbers, or part number and Contractor and Government Entity Code (CAGEC) listed in the RPSTL. When not available from stock, materials conforming as closely as possible to the standard material may be purchased locally.

Field Expedient Repair or Temporary Measures**Stitching.**

1. Loosely whip-stitch a rip or tear, keeping the seam as flat as possible.
2. Trim all thread ends.

Taping.

1. Field taping (duct tape or other tape sufficient to patch).
2. Keeping the rip or tear as flat as possible, tape over the puncture.
3. Cut the appropriate size of tape to cover the rip or tear. Round the edges of the tape to reduce fraying.
4. Place the tape over the rip or tear and press firmly.

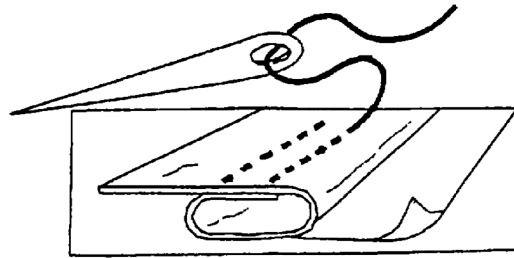
Stitching, Re-stitching, and Patching

To mend a ripped seam, overlap the two edges and hand-sew or Type 301 machine-stitch with straight and small stitches (Figure 1).

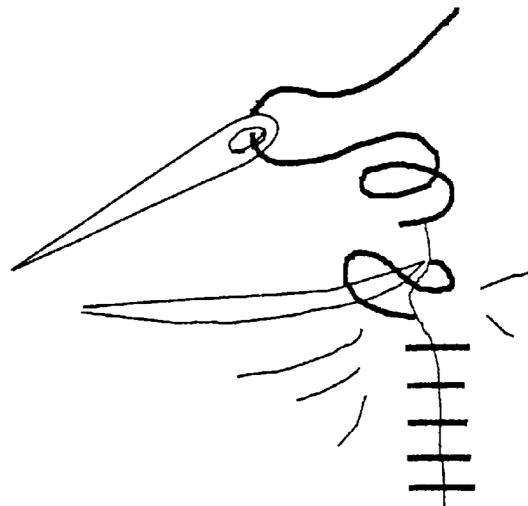
To repair a tear, place the two edges together and neatly hand-sew using a whip-stitch (Figure 1).

To mend a frayed edge, turn the frayed edge under and hand-sew or Type 301 machine-stitch this turned edge (Figure 1).

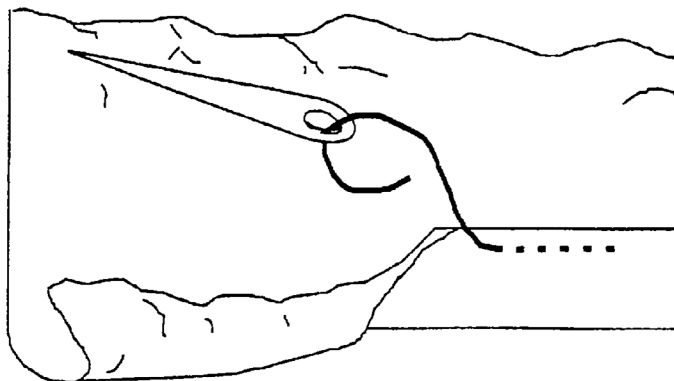
REPAIR – CONTINUED



A



B



C

Figure 1. CPU Stitching.

REPAIR – CONTINUED

Slide Fasteners

Replace damaged, missing, or malfunctioning slide fastener with serviceable one.

Hook-and-Loop Fastener Tapes

Replace damaged or missing hook-and-loop fastener tapes.

Resizing

After cleaning and repair, resize garments according to sizes listed in Table 1 and Table 2. When garments vary in size from original marking, obliterate old marking and re-mark with proper size using indelible pencil or waterproof ink. When actual measurements do not correspond to the size indicated, re-label to the next lowest size.

NOTE

All measurements shall be taken with the undershirt laid out flat, slide fastener closed and under no tension.

Table 2. Chemical Protective Undershirt Sizing Information.

SIZE	HALF CHEST¹ IN (CM)	BACK LENGTH² IN (CM)	SLEEVE LENGTH³ IN (CM)	HALF NECK⁴ IN (CM)
32	14 1/2 (36.83)	26 1/4 (66.67)	18 (45.72)	8 (20.32)
34	15 1/2 (39.37)	27 (68.58)	18 1/2 (46.99)	8 1/4 (20.95)
36	16 1/2 (41.91)	27 3/4 (70.48)	19 (48.26)	8 1/2 (21.59)
38	17 1/2 (44.45)	28 1/2 (72.39)	19 1/2 (49.53)	8 3/4 (22.22)
40	18 1/2 (46.99)	29 1/4 (74.29)	20 (50.80)	9 (22.86)
42	19 1/2 (49.53)	30 (76.20)	20 1/2 (52.07)	9 1/4 (23.49)
44	20 1/2 (52.07)	30 3/4 (78.10)	21 (53.34)	9 1/2 (24.13)
46	21 1/2 (54.61)	31 1/2 (80.01)	21 1/2 (54.61)	9 3/4 (24.76)
48	22 1/2 (57.15)	32 1/4 (81.91)	22 (55.88)	10 (25.40)
Tolerance	±1/2	+ 3/4, - 1/2	± 1/2	±1/4

¹Measure at base of armhole, from folded edge to folded edge.
²Measure along center back from collar seam to bottom of shirt.
³Measure along underarm seam from bottom of armhole to sleeve cuff.
⁴With slide fastener closed, measure from folded edge to folded edge.

REPAIR – CONTINUED

NOTE

All measurements shall be taken with the drawers laid flat and under no tension.

Table 3. Chemical Protective Drawers Sizing Information.

SIZE	HALF WAIST ¹ IN (CM)	INSEAM ² IN (CM)	HALF LEG BOTTOM WIDTH ³ IN (CM)
26	11 1/2 (29.21)	27 (68.58)	5 (12.70)
28	12 (30.48)	27 1/2 (69.85)	5 1/8 (13.00)
30	12 1/2 (31.75)	28 (71.12)	5 1/4 (13.33)
32	13 (33.02)	28 1/2 (72.39)	5 3/8 (13.63)
34	13 1/2 (34.29)	29 (73.66)	5 1/2 (13.97)
36	14 (35.56)	29 1/2 (74.93)	5 5/8 (14.27)
38	14 1/2 (36.83)	30 (76.20)	5 3/4 (14.60)
40	15 (38.10)	30 1/2 (77.47)	5 7/8 (14.90)
42	15 1/2 (39.37)	31 (78.74)	6 (15.24)
Tolerance	±1/2	±1/2	±1/4
¹ Measure along center of waistband from folded edge to folded edge. ² Measure inseam of drawers from crotch seam to bottom edge of drawers. ³ Measure width of leg at hem from folded edge to folded edge of cuff.			

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
EXPLOSIVE HANDLER'S PROTECTIVE COVERALLS AND RUBBER KNEE BOOTS
INSPECT, SERVICE**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-Inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 3-11.5

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Rubber Knee Boots**

Refer to FM 3-11.5 for the cleaning and decontamination of boots after handling rocket fuel.

Explosive Handler's Protective Coveralls

After each use, the coveralls should be laundered in a mild soap and water solution. The coveralls SHOULD NOT BE STARCHED because the stiffening effect of the clothing could cause static electricity to be generated while the clothing is being worn.

END OF TASK**END OF WORK PACKAGE**

**FIELD MAINTENANCE
TOXICOLOGICAL AGENTS PROTECTIVE COVERALLS AND APRON
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)
TAP Clothing Maintenance Kit

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 3-11.5

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

Toxicological Agents' Protective Clothing

1. Inspect the fabric for holes, cuts, rips, or exposed base fabric.
2. Inspect the strapping for proper adhesion to the fabric, blistering (air bubbles) between the strapping and the fabric, and exposed stitching. Probe for tunnels using the end of a straightened paperclip. Repair tunnels using a syringe and/or needle to seal/close the damaged area.
3. Inspect the sleeve closure straps, snap fasteners, and hardware for secure mounting.
4. Inspect the slide fastener for damaged scoops, broken or disconnected slider, missing thong, self-sealing, and ease of operation.
5. Inspect for missing or nonfunctioning snap fasteners, broken or missing belt hook and eye, and malformed or distorted buckles.
6. Inspect for loose or missing buttons.
7. Inspect for loose or missing tie tapes and adjusting straps.

END OF TASK**SERVICE****Toxicological Agents' Protective Clothing**

Refer to FM 3-11.5 for the cleaning and decontamination of Toxicological Agents' Protective Clothing.

After each use, the coveralls should be laundered in a mild soap-and-water solution. The coveralls **SHOULD NOT BE STARCHED** because the stiffening effect of the clothing could cause static electricity to be generated while the clothing is being worn.

END OF TASK

REPAIR

Materials used in the repair of coveralls, hoods, and suits shall be serviceable materials recovered from similar salvaged items when authorized or will be new materials as specified in the RPSTL. New materials will be requisitioned from stock number and or item description and shall conform to the appropriate specification. When not available from stock, materials may be purchased locally that conform as closely as possible to the standard material.

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by repairing organization unless otherwise prescribed.

Toxicological Agents' Protective Clothing

Patching. Holes up to 1/2 inch in diameter may be patched using the TAP Clothing Maintenance Kit. The maximum number of patches allowed on the coveralls or aprons is three per section.

Thong. Replace thongs as follows:

1. Remove the damaged thong from the slide fastener.
2. Cut a new piece of braid of sufficient length from the bulk stock supply.
3. Loop the braid through the slide fastener keeper and make a single loop knot in the ends of the braid to tie them together.

Braid. Replace braid as follows:

1. Remove plastic slide keeper from braid.
2. Remove braid from the gusset of the garment.
3. Measure a new piece of braid of sufficient length from the bulk stock material.
4. Install the braid in the gusset.
5. Install the slide keeper on the braid and tie ends of braid together.

END OF TASK**END OF WORK PACKAGE**

CHAPTER 8
FIELD MAINTENANCE
FOR
UNIFORMS

**FIELD MAINTENANCE
CAMOUFLAGE PATTERN COAT (BDU)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Inspect all items to determine the amount of repairs needed and whether such repairs can be accomplished within the organization or evacuate to a higher level of maintenance.

Dirt, mud, dust spots, mildew stain, and other foreign matter shall be removed with a brush or by laundering. Mildewed and rotted items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with crayon. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE**

Items shall be processed in laundry facilities in accordance with established practices set forth in FM 42-414. When such facilities are not available, items shall be laundered by contract with private industry in accordance with garment label laundry practices.

END OF TASK

REPAIR

Patching

Iron-on Patches. Rips and tears other than stress points (e.g., crotch seams, pocket seams, and pocket flap seams) may be repaired by iron-on patches. Any rip or tear closer than 3/4 inch (1.91 cm) to any seam will be repaired by sewing.

The iron-on patch shall be cut to a size and shape so that it will extend 3/4 inch (1.91 cm) in all directions beyond the tear or other damage. Patches will have rounded corners.

NOTE

When patching by hand, iron patch to the inside of the garment. The garment may be turned inside out or the patch may be inserted within the garment, taking care that the patch is centered in the desired position.

Patches that are longer than the iron may be ironed in sections, starting at the center and completing each section before moving to the next section. Overlapping of the iron upon previously bonded section is permissible. Carefully trim away any frayed protrusions at the torn edges.

1. Trim heavily raveled ends with scissors.
2. Smooth out the area to be patched so that the tear is closed or very nearly closed and so that there will be no wrinkles, folds, seams, or other protrusions under the iron when it is applied.
3. Pre-warm the area to be patched by pressing with a household electric dry iron or steam iron used dry.
4. With iron set at the Cotton indicator, or as high as possible without scorching the fabric, apply the iron for 5 seconds or more and immediately position the patch.
5. Hold the iron on the patch for about 12 seconds.

NOTE

Use no more than a slight rotating motion of the iron and apply constant pressure.

6. Remove the iron and allow patch area to cool in place about 5 seconds or long enough so that the patch will not drift off when the garment is removed from the ironing board.
7. **QA:** Periodically during the work and when adjusting the iron, test a patch that has cooled for about 5 minutes.
 - a. With the fingers, pull at the edge of the patch until a tab about 1/4 to 1/2 inch (0.635 to 1.27 cm) long is formed.
 - b. Pull hard on the tab with fingers. A well-bonded tab will be difficult to peel off and will indicate that iron adjustment and heating time are adequate.
 - If the adhesive strikes through the patch cloth, too much heat has been applied. Reduce time of pressing or temperature of the iron. A small amount of strike-through is not objectionable provided the patch meets the check test.
 - A bonded patch which has a lifted edge will be re-ironed. A bonded patch which has been subjected to the check test will be replaced.
 - When patching by special automatic press, the platen temperature, dwell time, dwell pressure, and other details shall be in accordance with the press manufacturer's instructions.
 - c. Replace the check test patch with a new patch.

REPAIR – CONTINUED

Patching and Darning. Patching and darning may be applied to any area of the items. Repair small tears not more than 1/2 inch (1.27 cm) across with a darning or zigzag stitch. Patch holes with a diameter of 1/4 inch (0.635 cm) or more. Repair rips, tears, and thin areas greater than 1/2 inch (1.27 cm) by patching. Patches shall be limited to a maximum of 2 inches (5.08 cm) in the greatest dimension. Patches shall match the garment in color and type of material. Insert patch under damaged area; cut away damaged area and turn edges under approximately 3/8 inch (0.952 cm). Cut patch large enough to extend not less than 1/2 inch (1.27 cm) and not more than 1 inch (2.54 cm) around the perimeter of the opening with 3/8 inch (0.952 cm) turn-under of all edges except selvage edges. Precut all patches to provide for symmetry.

Sewing Machine Repairs, Stitching and Restitching

All sewing, except emergency repair, shall be machine sewn. When ends of machine stitching Type 301 are not caught in other seams or stitching, they shall be back-stitched not less than 1 inch (2.54 cm) at each break. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.27 cm). Thread breaks (all stitch types) shall be repaired by stitching back from the break not less than 1/2 inch (1.27 cm). Thread tension shall be properly maintained to avoid loose stitching, and locks shall be embedded in the center of the material sewn. Stitch spacing used for re-stitching and type of seams, shall be the same as in the original construction. Seams with loose and/or weak thread shall be re-stitched. For illustrations of the various types of stitches used, see FED STD-751. Use the following types of stitch, thread size, and stitches per inch for the repair (Table 1).

Table 1. Camouflage Pattern Coat Stitching Requirements.

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	50/3	50/3	10–14
General	401	50/3	50/3	10–14
Bartacks	Bartack	50/3	50/3	28 per bartack
Buttonholes	Buttonhole	50/3	50/3	52–56 per buttonhole
Buttons	101 or 301	50/3		20–24 per button
Eyelets	Eyelet Machining	50/3	50/3	19–24 per eyelet

Buttons

Replace missing, loose, or damaged buttons with buttons conforming to those listed in the RPSTL. Attach the buttons securely and align with eyelet of respective buttonholes.

Buttonholes

Buttonholes shall be of the eyelet-end taper-bar type worked over gimp. Repair damaged buttonholes by reshaping enlarged buttonholes before reworking. Pull into shape and hand- or machine-whip a small reinforcement patch to the underside of the buttonhole. Then rework buttonhole through the patch.

Pockets

Darn or machine-patch small rips at corners or broken seams. Inside hanging pockets shall be repaired by piecing, when required.

REPAIR – CONTINUED

Resizing

Resize all garments after complete repair and cleaning according to item group schedule of sizes listed below. When items deviate in size from original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near old size. When the measurements do not correspond to a size listed, re-mark items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted for remarking. Refer to Table 2 for measuring information and Table 3 for sizing instructions.

NOTE

Chest. Measurements shall be taken with coat buttoned at point in line with pit of armhole, from folded edge to folded edge. This measurement is one-half actual size.

Length. Measurement shall be taken along center of back from under collar seam to bottom edge of coat.

Sleeve Length. Measure from base of armhole along underarm seam to bottom edge of sleeve.

Tolerance. ±3/4 inch for all measurements.

Table 2. Camouflage Pattern Coat Sizing Information.

		XX-SHORT	X-SHORT	SHORT	REGULAR	LONG	X-LONG
HALF CHEST	X-Small		19 1/2	19 1/2	19 1/2		
	Small	21 1/2	21 1/2	21 1/2	21 1/2	21 1/2	21 1/2
	Medium	32 1/2	23 1/2	23 1/2	23 1/2	23 1/2	23 1/2
	Large		25 1/2	25 1/2	25 1/2	25 1/2	25 1/2
	X-Large			27 1/2	27 1/2		
BACK LENGTH	X-Small		27 1/8	28 1/8	29 5/8		
	Small	26 5/8	27 5/8	28 5/8	30 1/8	31 1/2	32 7/8
	Medium	27 1/8	28 1/8	29 1/8	30 5/8	32	33 3/8
	Large		28 5/8	29 5/8	31 1/8	32 1/2	33 7/8
	X-Large				31 5/8	33	
SLEEVE LENGTH	X--Small		16 1/2	17	18		
	Small	16	16 1/2	17	18	19	
	Medium	16	16 1/2	17	18	19	20
	Large		16 1/2	17	18	19	20
	X-Large				18	19	20

REPAIR – CONTINUED

Table 3. Camouflage Pattern Coat Size Chart.

SIZE	NATO SIZE	CHEST, INCHES (CM)	HEIGHT, INCHES (CM)
X-Small, X-Short	5060/7484	Up to 33 (84)	From 59 (149) to 63 (159)
X-Small, Short	6070/7484	Up to 33 (84)	From 63 (159) to 67 (169)
X-Small, Regular	7080/7484	Up to 33 (84)	From 67 (169) to 71 (180)
Small, XX-Short	4050/8494	From 33 (84) to 37 (94)	Up to 59 (149)
Small, X-Short	5060/8494	From 33 (84) to 37 (94)	From 59 (149) to 63 (159)
Small, Short	6070/8494	From 33 (84) to 37 (94)	From 63 (159) to 67 (169)
Small, Regular	7080/8494	From 33 (84) to 37 (94)	From 67 (169) to 71 (180)
Small, Long	8090/8494	From 33 (84) to 37 (94)	From 71 (180) to 75 (190)
Small, X-Long	9000/8494	From 33 (84) to 37 (94)	From 75 (190) to 79 (200)
Medium, XX-Short	4050/9404	From 37 (94) to 41 (104)	Up to 59 (149)
Medium, X-Short	5060/9404	From 37 (94) to 41 (104)	From 59 (149) to 63 (159)
Medium, Short	6070/9404	From 37 (94) to 41 (104)	From 63 (159) to 67 (169)
Medium, Regular	7080/9404	From 37 (94) to 41 (104)	From 67 (169) to 71 (180)
Medium, Long	8090/9404	From 37 (94) to 41 (104)	From 71 (180) to 75 (190)
Medium, X-Long	9000/9404	From 37 (94) to 41 (104)	From 75 (190) to 79 (200)
Large, X-Short	5060/0414	From 41 (104) to 45 (115)	From 59 (149) to 63 (159)
Large, Short	6070/0414	From 41 (104) to 45 (115)	From 63 (159) to 67 (169)
Large, Regular	7080/0414	From 41 (104) to 45 (115)	From 67 (169) to 71 (180)
Large, Long	8090/0414	From 41 (104) to 45 (115)	From 71 (180) to 75 (190)
Large, X-Long	9000/0414	From 41 (104) to 45 (115)	From 75 (190) to 79 (200)
X-Large, Regular	7080/1424	Above 45 (115)	From 67 (169) to 71 (180)
X-Large, Long	8090/1424	Above 45 (115)	From 71 (180) to 75 (190)

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
CAMOUFLAGE PATTERN TROUSERS (BDU)
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds and local conditions permit. The sequence of operations shall be determined by the repairing organizations, unless otherwise prescribed.

Inspect all items to determine the amount of repairs needed and whether such repairs can be accomplished within the organization or evacuate to a higher level of maintenance.

Dirt, mud, dust spots, mildew stain, and other foreign matter shall be removed with a brush or by laundering. Mildewed and rotted items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with crayon. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE**

Items shall be processed in laundry facilities in accordance with established practices set forth in FM 42-414. When such facilities are not available, items shall be laundered by contract with private industry in accordance with accepted commercial laundry practices.

END OF TASK

REPAIR

Patching

Iron-on Patches. Rips and tears other than stress points (e.g., crotch seams, pocket seams, and pocket flap seams) may be repaired by iron-on patches. Any rip or tear closer than 3/4 inch (1.91 cm) to any seam will be repaired by sewing.

The iron-on patch shall be cut to the size and shape so that it will extend 3/4 inch (1.91 cm) in all directions beyond the tear or other damage. Patches will have rounded corners.

NOTE

When patching by hand, iron patch to the inside of the garment. The garment may be turned inside out or the patch may be inserted within the garment, taking care that the patch is centered in the desired position.

Patches that are longer than the iron may be ironed in sections, starting at the center and completing each section before moving to the next section. Overlapping of the iron upon previously bonded section is permissible. Carefully trim away any frayed protrusions at the torn edges.

1. Trim heavily raveled ends with scissors.
2. Smooth out the area to be patched so that the tear is closed or very nearly closed and so that there will be no wrinkles, folds, seams, or other protrusions under the iron when it is applied.
3. Pre-warm the area to be patched by pressing with a household electric dry iron or steam iron used dry.
4. With iron set at the Cotton indicator, or as high as possible without scorching the fabric, apply the iron for 5 seconds or more immediately position the patch.
5. Hold the iron on the patch for about 12 seconds.

NOTE

Use no more than a slight rotating motion of the iron and apply constant pressure.

6. Remove the iron and allow patch area to cool in place about 5 seconds, or long enough so that the patch will not drift off when the garment is removed from the ironing board.
7. **QA:** Periodically during the work and when adjusting the iron, test a patch that has cooled for about 5 minutes.
 - a. With the fingers, pull at the edge of the patch until a tab about 1/4 to 1/2 inch (0.635 to 1.27 cm) long is formed.
 - b. Pull hard on the tab with fingers. A well-bonded tab will be difficult to peel off and will indicate that iron adjustment and heating time are adequate.
 - If the adhesive strikes through the patch cloth, too much heat has been applied Reduce time of pressing or temperature of the Iron. A small amount of strike-through is not objectionable provided the patch meets the check test.
 - A bonded patch which has a lifted edge will be re-ironed. A bonded patch which has been subjected to the check test will be replaced.
 - When patching by special automatic press, the platen temperature, dwell time, dwell pressure, and other details shall be in accordance with the press manufacturer's instructions.
 - c. Replace the check test patch with a new patch.

REPAIR – CONTINUED

Patching and Darning. Patching and darning may be applied to any area of the items. Repair small tears not more than 1/2 inch (1.27 cm) across with a darning or zigzag stitch. Patch holes with a diameter of 1/4 inch (0.635 cm) or more. Repair rips, tears, and thin areas greater than 1/2 inch (1.27 cm) by patching. Patches shall be limited to a maximum of 2 inches (5.08 cm) in the greatest dimension. Patches shall match the garment in color and type of material. Insert patch under damaged area; cut away damaged area and turn edges under approximately 3/8 inch (0.952 cm). Cut patch large enough to extend not less than 1/2 inch (1.27 cm) and not more than 1 inch (2.54 cm) around the perimeter of the opening with 3/8 inch (0.952 cm) turn-under of all edges except selvage edges. Precut all patches to provide for symmetry.

Sewing Machine Repairs, Stitching and Re-stitching

All sewing, except emergency repair, shall be machine-sewn. When ends of machine stitching Type 301 are not caught in other seams or stitching, they shall be back-stitched not less than 1 inch (2.54 cm) at each break. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.27 cm). Thread breaks (all stitch types) shall be repaired by stitching back from the break not less than 1/2 inch (1.27 cm). Thread tension shall be properly maintained to avoid loose stitching and locks shall be embedded in the center of the material sewn. Stitch spacing used for re-stitching and type of seams, shall be the same as in the original construction. Seams with loose and/or weak thread shall be re-stitched. For illustrations of the various types of stitches used, see ASTM-D-6193. Use the following types of stitch, thread size, and stitches per inch for the repair (Table 1).

Table 1. Camouflage Pattern Trousers Stitching Requirements.

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	50/3	50/3	10–14
General	401	50/3	50/3	10–14
Bartacks	Bartack	50/3	50/3	28 per bartack
Buttonholes	Buttonhole	50/3	50/3	52–56 per buttonhole
Buttons	101 or 301	50/3		20–24 per button
Eyelets	Eyelet Machining	50/3	50/3	19–24 per eyelet

Buttons

Replace missing, loose, or damaged buttons with buttons conforming to those listed in the RPSTL. Attach the buttons securely and align with eyelet of respective buttonholes.

Buttonholes

Buttonholes shall be of the eyelet-end taper-bar type worked over gimp. Repair damaged buttonholes by reshaping enlarged buttonholes before reworking. Pull into shape and hand- or machine-whip a small reinforcement patch to the underside of the buttonhole. Then rework buttonhole through the patch.

Belt Loops and Drawcord

Replace missing, broken, or torn belt loops and drawcords with new parts of matching size and material. Such parts shall be fastened in a like manner to those being replaced and shall be properly positioned.

REPAIR – CONTINUED**Pockets**

Darn or machine-patch small rips at corners or broken seams. Inside hanging pockets shall be repaired by piecing, when required.

Hems

Turn under all frayed hems and stitch in place.

Waistband Adjusting Straps

Replace missing or damaged waistband straps with new parts of like size and design.

Buckles

Replace missing, broken, or damaged buckles with like buckles in size and type specified in the RPSTL.

Resizing

Resize all garments after complete repair and cleaning according to item group schedule of sizes listed below. When items deviate in size from original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near old size. When the measurements do not correspond to a size listed, re-mark items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted for remarking. Refer to Table 2 for measuring information and Table 3 for sizing instructions.

NOTE

Waist. With the waistband and fly closed and the trousers placed flat upon a table, measure along center of waistband from side fold to side fold.

Leg Length. Measure inseam of trousers from crotch to bottom of trouser leg.

Table 2. Camouflage Pattern Trousers Sizing Information.

SIZE	INSEAM					
	HALF WAIST	X-SHORT	SHORT	REGULAR	LONG	X-LONG
X-Small	13 3/4	28	30	32	34	
Small	15 3/4	28	30	32	34	36
Medium	17 3/4	28	30	32	34	36
Large	19 3/4		30	32	34	36
X-Large	21 3/4		30	32	34	
Tolerance	±1/2	±3/4	±3/4	±3/4	±3/4	±3/4

REPAIR – CONTINUED

Table 3. Camouflage Pattern Trousers Size Chart.

SIZE	NATO SIZE	WAIST, INCHES (CM)	HEIGHT, INCHES (CM)
X-Small, X-Short	6067/5869	Up to 27 (68)	Up to 26 1/2 (67)
X-Small, Short	6775-5869	Up to 27 (68)	From 26 1/2 (67) to 29 1/2 (75)
X-Small, Regular	7583/5869	Up to 27 (68)	From 29 1/2 (75) to 32 1/2 (82)
X-Small, Long	8390/5869	Up to 27 (68)	From 32 1/2 (82) to 35 1/2 (90)
Small, X-Short	6067/6979	From 27 (68) to 31 (78)	Up to 26 1/2 (67)
Small, Short	6775/6979	From 27 (68) to 31 (78)	From 26 1/2 (67) to 29 1/2 (75)
Small, Regular	7583/6979	From 27 (68) to 31 (78)	From 29 1/2 (75) to 32 1/2 (82)
Small, Long	8390/6979	From 27 (68) to 31 (78)	From 32 1/2 (82) to 35 1/2 (90)
Small, X-Long	9098/6979	From 27 (68) to 31 (78)	Over 35 1/2 (90)
Medium, X-Short	6067/7989	From 31 (78) to 35 (89)	Up to 26 1/2 (67)
Medium, Short	6775-7989	From 31 (78) to 35 (89)	From 26 1/2 (67) to 29 1/2 (75)
Medium, Regular	7583/7989	From 31 (78) to 35 (89)	From 29 1/2 (75) to 32 1/2 (82)
Medium, Long	8390/7989	From 31 (78) to 35 (89)	From 32 1/2 (82) to 35 1/2 (90)
Medium, X-Long	9098/7989	From 31 (78) to 35 (89)	Over 35 1/2 (90)
Large, Short	6775-8999	From 35 (89) to 39 (99)	From 26 1/2 (67) to 29 1/2 (75)
Large, Regular	7583/8999	From 35 (89) to 39 (99)	From 29 1/2 (75) to 32 1/2 (82)
Large, Long	8390/8999	From 35 (89) to 39 (99)	From 32 1/2 (82) to 35 1/2 (90)
Large, X-Long	9098/8999	From 35 (89) to 39 (99)	Over 35 1/2 (90)
X-Large, Short	6775/9909	Over 39 (99)	From 26 1/2 (67) to 29 1/2 (75)
X-Large, Regular	7583/9909	Over 39 (99)	From 29 1/2 (75) to 32 1/2 (82)
X-Large, Long	8390/9909	Over 39 (99)	From 32 1/2 (82) to 35 1/2 (90)

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
ARMY COMBAT UNIFORM COAT AND TROUSERS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-Inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007

Equipment Condition

Lay out on a clean, flat surface.

WARNING

The procedures in this work package apply to the Army Combat Uniform only. Do not apply these procedures to the Fire Resistant Army Combat Uniform (FRACU). Failure to follow this warning may result in injury or death to the Service member.

INSPECT

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Inspect all items to determine the amount of repairs needed and whether such repairs can be accomplished within the organization or evacuate to a higher level of maintenance.

Dirt, mud, dust spots, mildew stain, and other foreign matter shall be removed with a brush or by laundering. Mildewed and rotted items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with crayon. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK

SERVICE**CAUTION**

Do not wring or twist. Do not use chlorine bleach. Do not starch or commercially hot press.

Before washing, close hook-and-loop fasteners to prevent snagging. Machine-wash in cold water using Permanent Press cycle or hand-wash using a mild detergent that does NOT contain optical brighteners. Rinse completely. Hang dry or machine-dry at a temperature less than 130 °F. Remove from dryer immediately.

To drip dry, remove from water and place on rustproof hanger.

END OF TASK**REPAIR****Patching**

Iron-on Patches. Rips and tears other than stress points (e.g., crotch seams, pocket seams, and pocket flap seams) may be repaired by iron-on patches. Any rip or tear closer than 3/4 inch (1.91 cm) to any seam will be repaired by sewing.

The iron-on patch shall be cut to the size and shape so that it will extend 3/4 inch (1.91 cm) in all directions beyond the tear or other damage. Patches will have rounded corners.

NOTE

When patching by hand, iron patch to the inside of the garment. The garment may be turned inside out or the patch may be inserted within the garment, taking care that the patch is centered in the desired position.

Patches that are longer than the iron may be ironed in sections, starting at the center and completing each section before moving to the next section. Overlapping of the iron upon a previously bonded section is permissible. Carefully trim away any frayed protrusions at the torn edges.

1. Trim heavily raveled ends with scissors.
2. Smooth out the area to be patched so that the tear is closed, or very nearly closed, and so that there will be no wrinkles, folds, seams, or other protrusions under the iron when it is applied.
3. Pre-warm the area to be patched by pressing with a household electric dry iron or steam iron used dry.
4. With iron set at the Cotton indicator, or as high as possible without scorching the fabric, apply the iron for 5 seconds or more and immediately position the patch.
5. Hold the iron on the patch for about 12 seconds.

NOTE

Use no more than a slight rotating motion of the iron and apply constant pressure.

6. Remove the iron and allow patch area to cool in place about 5 seconds, or long enough so that the patch will not drift off when the garment is removed from the ironing board.

REPAIR – CONTINUED

7. **QA:** Periodically during the work and when adjusting the iron, test a patch that has cooled for about 5 minutes.
 - a. With the fingers, pull at the edge of the patch until a tab about 1/4 to 1/2 inch (0.635 to 1.27 cm) long is formed.
 - b. Pull hard on the tab with fingers. A well-bonded tab will be difficult to peel off and will indicate that iron adjustment and heating time are adequate.
 - If the adhesive strikes through the patch cloth, too much heat has been applied. Reduce time of pressing or temperature of the iron. A small amount of strike-through is not objectionable, provided the patch meets the check test.
 - A bonded patch that has a lifted edge will be re-ironed. A bonded patch that has been subjected to the check test will be replaced.
 - When patching by special automatic press, the platen temperature, dwell time, dwell pressure, and other details shall be in accordance with the press manufacturer's instructions.
 - c. Replace the check-test patch with a new patch.

Patching and Darning. Patching and darning may be applied to any area of the items. Repair small tears not more than 1/2 inch (1.27 cm) across with a darning or zigzag stitch. Patch holes with a diameter of 1/4 inch (0.635 cm) or more. Repair rips, tears, and thin areas greater than 1/2 inch (1.27 cm) by patching. Patches shall be limited to a maximum of 2 inches (5.08 cm) in the greatest dimension. Patches shall match the garment in color and type of material. Insert patch under damaged area; cut away damaged area and turn edges under approximately 3/8 inch (0.952 cm). Cut patch large enough to extend not less than 1/2 inch (1.27 cm) and not more than 1 inch (2.54 cm) around the perimeter of the opening with 3/8 inch (0.952 cm) turn-under of all edges except selvage edges. Precut all patches to provide for symmetry.

Sewing Machine Repairs, Stitching, and Re-stitching

All sewing, except emergency repair, shall be machine-sewn. When ends of machine stitching Type 301 are not caught in other seams or stitching, they shall be back-stitched not less than 1 inch (2.54 cm) at each break. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.27 cm). Thread breaks (all stitch types) shall be repaired by stitching back from the break not less than 1/2 inch (1.27 cm). Thread tension shall be properly maintained to avoid loose stitching, and locks shall be embedded in the center of the material sewn. Stitch spacing used for restitching and type of seams, shall be the same as in the original construction. Seams with loose and/or weak thread shall be restitched. For illustrations of the various types of stitches used, see ASTM-D-6193. Use the following types of stitch, thread size, and stitches per inch for the repair (Tables 1 and 2).

Table 1. Army Combat Uniform Coat and Trousers Stitching Requirements.

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	50/3	50/3	10–14
General	401	50/3	50/3	10–14
Bartacks	Bartack	50/3	50/3	28 per bartack

REPAIR – CONTINUED

Table 2. ACU Bartack Placement (Coat).

Bartack Placement	# of Bartacks
All pocket flaps at top superimposed on topstitching	2
Bottom of elbow patch (1 inch apart) (3/4 inch)	2
Each side of hook/loop opening of elbow patch (vertical)	2
Lower sleeve tab at ends	2
Front chest pocket opening (ends of loop)	2
Top of pencil pocket (vertical)	4
Sleeve pocket top, both sides and non-bellow side	3
Top and bottom of slide fastener tape on both sides	4
Superimposed on top stitching of flap to secure IFF tab webbing cover (3/4 inch)	1
Bi-swing, upper and lower locations as indicated on patterns	2
End of cuff (underarm seam)	1

Table 3. Bartack Placement (Trousers).

Bartack Placement	# of Bartacks
All pocket flaps at top on ends of topstitching (horizontal)	2
Top and bottom of all belt loops (set 1/8 inch from edge)	2
Fly front (one horizontal at bottom of fly outside; one vertical 1/4 inch from overedged stitch inside)	2
Underside of fly facing between the second and third buttonholes and third and fourth buttonhole	2
Bottom of knee patch at hook/loop opening superimposed on top stitching (3/4 inch)	2
Center back of drawstring (on waistband lining)	1
Top and bottom of opening on front hanging pockets @ right angles to front edge (top 1/4 to 3/8 inch from stitch line of waistband)	2
Cargo pocket top, one left side and one right side catching webbing (3/4 inch), one at lower corner (on side of bellows), (vertical)	3
End of elastic cording 1/4 inch apart (vertical)	2
Cargo pocket pleats below facing stitching (horizontal)	2
Lower leg pocket top, left and right; one at lower corner (opposite side of bellows), (vertical)	3
Back hip pocket at welt ends	2
Center back of leg bottom hem or line tack (vertical)	1
Crotch junction (alternate safety stitch only)	1

REPAIR – Continued**Pockets**

Darn or machine-patch small rips at corners or broken seams. Inside hanging pockets shall be repaired by piecing, when required.

Belt Loops and Drawcord

Replace missing, broken or torn belt loops, and drawcords with new parts of matching size and material. Such parts shall be fastened in a like manner to those being replaced and shall be properly positioned.

Hems

Turn under all frayed hems and stitch in place.

Resizing

Resize all garments after complete repair and cleaning according to item group schedule of sizes listed below. When items deviate in size from original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near old size. When the measurements do not correspond to a size listed, re-mark items to correspond to the next lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted for re-marking. Refer to Tables 4 and 5 for measuring information and sizing instructions.

NOTE

Chest. Measurements shall be taken with coat buttoned at point in line with pit of armhole, from folded edge to folded edge. This measurement is one-half actual size.

Length. Measurement shall be taken along center of back from under collar seam to bottom edge of coat.

Sleeve Length. Measure from base of armhole along underarm seam to bottom edge of sleeve.

Waist. With the waistband and fly closed and the trousers placed flat upon a table, measure along center of waistband from side fold to side fold.

Leg length. Measure inseam of trousers from crotch to bottom of trouser leg.

Tolerance. $\pm 3/4$ inch for all measurements.

REPAIR – CONTINUED

Table 4. Army Combat Uniform Pattern Sizing Information (Coat).

		XX-SHORT	X-SHORT	SHORT	REGULAR	LONG	X-LONG	XX-LONG	TOLERANCE
HALF CHEST	X-Small	20 1/4	20 1/4	20 1/4	20 1/4	20 1/4	20 1/4	-----	±1/2
	Small	22 1/4	22 1/4	22 1/4	22 1/4	22 1/4	22 1/4	-----	±1/2
	Medium	24 1/4	24 1/4	24 1/4	24 1/4	24 1/4	24 1/4	24 1/4	±1/2
	Large	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	26 1/4	±1/2
	X-Large	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	±1/2
	XX-Large	-----	-----	30 1/4	30 1/4	30 1/4	30 1/4	30 1/4	±1/2
BACK LENGTH	X-Small	25	26	27	28 1/2	30 3/8	31 1/8	-----	±1/2
	Small	25 1/2	26 1/2	27 1/2	29	30 7/8	31 5/8	-----	±1/2
	Medium	26	27	28	29 1/2	31 3/8	32 1/8	33 5/8	±1/2
	Large	26 1/2	27 1/2	28 1/2	30	31 7/8	32 5/8	34 1/8	±1/2
	X-Large	27	28	29	30 1/2	32 3/8	33 1/8	34 5/8	±1/2
	XX-Large	-----	-----	-----	31	32 7/8	33 5/8	-----	±1/2
SLEEVE LENGTH	X-Small	19 3/8	20 3/8	21 3/8	22 3/8	23 3/8	24 3/8	-----	±1/2
	Small	19 5/8	20 5/8	21 5/8	22 5/8	23 5/8	24 5/8	-----	±1/2
	Medium	19 7/8	20 7/8	21 7/8	22 7/8	23 7/8	24 7/8	25 7/8	±1/2
	Large	20 1/8	21 1/8	22 1/8	23 1/8	24 1/8	25 1/8	26 1/8	±1/2
	X-Large	20 3/8	21 3/8	22 3/8	23 3/8	24 3/8	25 3/8	26 3/8	±1/2
	XX-Large	-----	-----	-----	23 5/8	24 5/8	25 5/8	26 5/8	±1/2

REPAIR – CONTINUED

Table 5. Army Combat Uniform Sizing Information (Trousers).

		X-SHORT	SHORT	REGULAR	LONG	X-LONG	XX-LONG	TOLERANCE
HALF WAIST¹	X-Small	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	±1/2
	Small	15 3/4	15 3/4	15 3/4	15 3/4	15 3/4	15 3/4	±1/2
	Medium	17 3/4	17 3/4	17 3/4	17 3/4	17 3/4	17 3/4	±1/2
	Large	19 3/4	19 3/4	19 3/4	19 3/4	19 3/4	19 3/4	±1/2
	X-Large	21 3/4	21 3/4	21 3/4	21 3/4	21 3/4	21 3/4	±1/2
	XX-Large	23 3/4	23 3/4	23 3/4	23 3/4	23 3/4	23 3/4	±1/2
INSEAM²	X-Small	28 3/8	30 3/8	32 3/8	34 3/8	36 3/8	38 3/8	±3/4
	Small	28 3/8	30 3/8	32 3/8	34 3/8	36 3/8	38 3/8	±3/4
	Medium	28 3/8	30 3/8	32 3/8	34 3/8	36 3/8	38 3/8	±3/4
	Large	28 3/8	30 3/8	32 3/8	34 3/8	36 3/8	38 3/8	±3/4
	X-Large	28 3/8	30 3/8	32 3/8	34 3/8	36 3/8	38 3/8	±3/4
	XX-Large	28 3/8	30 3/8	32 3/8	34 3/8	36 3/8	38 3/8	±3/4
OUTSEAM³	X-Small	37 3/8	39 7/8	42 3/8	44 7/8	47 3/8	49 7/8	±3/4
	Small	37 3/8	39 7/8	42 3/8	44 7/8	47 3/8	49 7/8	±3/4
	Medium	37 3/8	39 7/8	42 3/8	44 7/8	47 3/8	49 7/8	±3/4
	Large	37 3/8	39 7/8	42 3/8	44 7/8	47 3/8	49 7/8	±3/4
	X-Large	37 3/8	39 7/8	42 3/8	44 7/8	47 3/8	49 7/8	±3/4
	XX-Large	37 3/8	39 7/8	42 3/8	44 7/8	47 3/8	49 7/8	±3/4
BOTTOM⁴	X-Small	17	17	17	17	17	17	±1/2
	Small	17	17	17	17	17	17	±1/2
	Medium	17 3/4	17 3/4	17 3/4	17 3/4	17 3/4	17 3/4	±1/2
	Large	17 3/4	17 3/4	17 3/4	17 3/4	17 3/4	17 3/4	±1/2
	X-Large	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2	±1/2
	XX-Large	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2	±1/2
¹ With waistband and fly buttoned, place trousers on a flat surface and measure along center of waistband from folded edge to folded edge. ² Measure inseam of trousers from crotch seam to bottom edge of trousers. ³ Measure from top edge of waistband to bottom of leg along outseam. ⁴ Measure across bottom of leg and multiply by two.								

REPAIR – CONTINUED

X-Small, XX-Short Height: 55 to 59 in. Chest: Up to 33 in. NSN No. NATO Size: 4050/7484	X-Small, X-Short Height: 59 to 63 in. Chest: Up to 33 in. NSN No. NATO Size: 5060/7484	X-Small, Short Height: 63 to 67 in. Chest: up to 33 in. NSN No. NATO Size: 6070/7484	X-Small, Regular Height: 67 to 71 in. Chest: up to 33 in. NSN No. NATO Size: 7080/7484
X-Small, Long Height: 71 to 75 in. Chest: Up to 33 in. NSN No. NATO Size: 8090/7484	X-Small, X-Long Height: 75 to 79 in. Chest: Up to 33 in. NSN No. NATO Size: 9001/7484	Small, XX-Short Height: 55 to 59 in. Chest: 33 to 37 in. NSN No. NATO Size: 4050/8494	Small, X-Short Height: 59 to 63 in. Chest: 33 to 37 in. NSN No. NATO Size: 5060/8494
Small, Short Height: 63 to 67 in. Chest: 33 to 37 in. NSN No. NATO Size: 6070/8494	Small, Regular Height: 67 to 71 in. Chest: 33 to 37 in. NSN No. NATO Size: 7080/8494	Small, Long Height: 71 to 75 in. Chest: 33 to 37 in. NSN No. NATO Size: 8090/8494	Small, X-Long Height: Above 75 in. Chest: 33 to 37 in. NSN No. NATO Size: 9000/8494
Medium, XX-Short Height: 55 to 59 in. Chest: 37 to 41 in. NSN No. NATO Size: 4050/9404	Medium, X-Short Height: 59 to 63 in. Chest: 37 to 41 in. NSN No. NATO Size: 5060/9404	Medium, Short Height: 63 to 67 in. Chest: 37 to 41 in. NSN No. NATO Size: 6070/9404	Medium, Regular Height: 67 to 71 in. Chest: 37 to 41 in. NSN No. NATO Size: 7080/9404
Medium, Long Height: 71 to 75 in. Chest: 37 to 41 in. NSN No. NATO Size: 8090/9404	Medium, X-Long Height: 75 to 79 in. Chest: 37 to 41 in. NSN No. NATO Size: 9000/9404	Medium, XX -Long Height: Above 79 in. Chest: 37 to 41 in. NSN No. NATO Size: 0010/9404	Large, XX-Short Height: 55 to 59 in. Chest: 41 to 45 in. NSN No. NATO Size: 4050/0414
Large, X-Short Height: 59 to 63 in. Chest: 41 to 45 in. NSN No. NATO Size: 5060/0414	Large, Short Height: 63 to 67 in. Chest: 41 to 45 in. NSN No. NATO Size: 6070/0414	Large, Regular Height: 67 to 71 in. Chest: 41 to 45 in. NSN No. NATO Size: 7080/0414	Large, Long Height: 71 to 75 in. Chest: 41 to 45 in. NSN No. NATO Size: 8090/0414
Large, X-Long Height: 75 to 79 in. Chest: 41 to 45 in. NSN No. NATO Size: 9000/0414	Large, XX-Long Height: Above 79 in. Chest: 41 to 45 in. NSN No. NATO Size: 0010/0414	X-Large, XX-Short Height: 55 to 59 in. Chest: 45 to 49 in. NSN No. NATO Size: 4050/1424	X-Large, X-Short Height: 59 to 63 in. Chest: 45 to 49 in. NSN No. NATO Size: 5060/1424
X-Large, Short Height: 63 to 67 in. Chest: 45 to 49 in. NSN No. NATO Size: 6070/1424	X-Large, Regular Height: 67 to 71 in. Chest: 45 to 49 in. NSN No. NATO Size: 7080/1424	X-Large, Long Height: 71 to 75 in. Chest: 45 to 49 in. NSN No. NATO Size: 8090/1424	X-Large, X-Long Height: 75 to 79 in. Chest: 45 to 49 in. NSN No. NATO Size: 9000/1424
X-Large, XX-Long Height: Above 79 in. Chest: 45 to 49 in. NSN No. NATO Size: 0010/1424	XX-Large, Regular Height: 67 to 71 in. Chest: 49 to 53 in. NSN No. NATO Size: 7080/2435	XX-Large, Long Height: 71 to 75 in. Chest: 49 to 53 in. NSN No. NATO Size: 8090/2435	XX-Large, X-Long Height: 75 to 79 in. Chest: 49 to 53 in. NSN No. NATO Size: 9000/2435

Figure 1. Army Combat Uniform Sizing Labels (Coat).

REPAIR – CONTINUED

X-Small, X-Short Inseam: Up to 26-1/2 in. Waist: Up to 27 in. NSN No. NATO Size: 6067/5869	X-Small, Short Inseam: 26-1/2 to 29-1/2 in. Waist: Up to 27 in. NSN No. NATO Size: 6775/5869	X-Small, Regular Inseam 29-1/2 to 32-1/2 in. Waist: Up to 27 in. NSN No. NATO Size: 7583/5869	X-Small, Long Inseam: 32-1/2 to 35-1/2 in. Waist: Up to 27 in. NSN No. NATO Size: 8390/5869
X-Small, X-Long Inseam: 35-1/2 to 38-1/2 in. Waist: Up to 27 in. NSN No. NATO Size: 9098/5869	X-Small, XX-Long Inseam: Over 38-1/2 in. Waist: Up to 27 in. NSN No. NATO Size: 9805/5869	Small, X-Short Inseam: Up to 26-1/2 in. Waist: 27 to 31 in. NSN No. NATO Size: 6067/6979	Small, Short Inseam: 26-1/2 to 29-1/2 in. Waist: 27 to 31 in. NSN No. NATO Size: 6775/6979
Small, Regular Inseam: 29-1/2 to 32-1/2 in. Waist: 27 to 31 in. NSN No. NATO Size: 7583/6979	Small, Long Inseam: 32-1/2 to 35-1/2 in. Waist: 27 to 31 in. NSN No. NATO Size: 8390/6979	Small, X-Long Inseam: 35-1/2 to 38-1/2 in. Waist: 27 to 31 in. NSN No. NATO Size: 9098/6979	Small, XX-Long Inseam: Over 38-1/2 in. Waist: 27 to 31 in. NSN No. NATO Size: 9805/6979
Medium, X-Short Inseam: Up to 26-1/2 in. Waist: 31 to 35 in. NSN No. NATO Size: 6067/7989	Medium, Short Inseam: 26-1/2 to 29-1/2 in. Waist: 31 to 35 in. NSN No. NATO Size: 6775/7989	Medium, Regular Inseam: 29-1/2 to 32-1/2 in. Waist: 31 to 35 in. NSN No. NATO Size: 7583/7989	Medium, Long Inseam: 32-1/2 to 35-1/2 in. Waist: 31 to 35 in. NSN No. NATO Size: 8390/7989
Medium, X-Long Inseam: 35-1/2 to 38-1/2 in. Waist: 31 to 35 in. NSN No. NATO Size: 9098/7989	Medium, XX-Long Inseam: Over 38-1/2 in. Waist: 31 to 35 in. NSN No. NATO Size: 9805/7989	Large, X-Short Inseam: Up to 26-1/2 in. Waist: 35 to 39 in. NSN No. NATO Size: 6067/8999	Large, Short Inseam: 26-1/2 to 29-1/2 in. Waist: 35 to 39 in. NSN No. NATO Size: 6775/8999
Large, Regular Inseam: 29-1/2 to 32-1/2 in. Waist: 35 to 39 in. NSN No. NATO Size: 7583/8999	Large, Long Inseam: 32-1/2 to 35-1/2 in. Waist: 35 to 39 in. NSN No. NATO Size: 8390/8999	Large, X-Long Inseam: 35-1/2 to 38-1/2 in. Waist: 35 to 39 in. NSN No. NATO Size: 9098/8999	Large, XX-Long Inseam: Over 38-1/2 in. Waist: 35 to 39 in. NSN No. NATO Size: 9805/8999
X-Large, X-Short Inseam: Up to 26-1/2 in. Waist: 39 to 43 in. NSN No. NATO Size: 6067/9909	X-Large, Short Inseam: 26-1/2 to 29-1/2 in. Waist: 39 to 43 in. NSN No. NATO Size: 6775/9909	X-Large, Regular Inseam: 29-1/2 to 32-1/2 in. Waist: 39 to 43 in. NSN No. NATO Size: 7583/9909	X-Large, Long Inseam: 32-1/2 to 35-1/2 in. Waist: 39 to 43 in. NSN No. NATO Size: 8390/9909
X-Large, X-Long Inseam: 35-1/2 to 38-1/2 in. Waist: 39 to 43 in. NSN No. NATO Size: 9098/9909	X-Large, XX-Long Inseam: Over 38-1/2 in. Waist: 39 to 43 in. NSN No. NATO Size: 9805/9909	XX-Large, X-Short Inseam: Up to 26-1/2 in. Waist: 43 to 47 in. NSN No. NATO Size: 6067/0919	XX-Large, Short Inseam: 26-1/2 to 29-1/2 in. Waist: 43 to 47 in. NSN No. NATO Size: 6775/0919
XX-Large, Regular Inseam: 29-1/2 to 32-1/2 in. Waist: 43 to 47 in. NSN No. NATO Size: 7583/0919	XX-Large, Long Inseam: 32-1/2 to 35-1/2 in. Waist: 43 to 47 in. NSN No. NATO Size: 8390/0919	XX-Large, X-Long Inseam: 35-1/2 to 38-1/2 in. Waist: 43 to 47 in. NSN No. NATO Size: 9098/0919	XX-Large, XX-Long Inseam: Over 38-1/2 in. Waist: 43 to 47 in. NSN No. NATO Size: 9805/0919

Figure 2. Army Combat Uniform Label Chart (Trousers).

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
ARMY COMBAT UNIFORM PATROL CAP
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-Inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 10-280

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE****Field Cleaning**

Thoroughly clean the item of mud or other foreign matter with damp or dry cloth or by scrubbing with clear water.

Cleaning and Laundering

Items which cannot be satisfactorily cleaned by brushing will be dry-cleaned in Army dry-cleaning facilities in accordance with established practices set forth in FM 10-280. When such facilities are not available, items will be laundered by contract with private industry in accordance with accepted commercial laundry practices. Quarpel-treated items such as w/fur and camouflage hat will require thorough rinsing and removal of cleaning compounds to ensure retention of waterproof characteristics.

END OF TASK

REPAIR

Materials used in the repair of cap will be serviceable materials recovered from similar salvaged items, when authorized, or will be new materials which will be requisitioned from stock under the stock number and/or item descriptions as listed in the RPSTL. When not available from stock, the materials may be purchased locally when they conform to the standard material.

Stitching

Refer to Table 1 for stitching information for various repairs.

Items having frayed edges will be overedge stitched, using stitch Type 501, 503, or 505.

All sewing except emergency repair will be machine sewing.

Match all stitches and seams to those used in the original construction.

Maintain proper thread tension so that thread locks will be embedded in the center of material to prevent loose stitches.

Re-stitch loose or broken thread on seams by stitching back of the break not less than 1/2 inch (1.27 cm).

Backstitch thread ends 1/4 inch (0.635 cm), except when ends are turned under in a hem or held down by other stitching.

NOTE

All thread shall be dyed Olive Drab Shade S-1, CA 66022. The polyester-cotton covered thread shall be water-repellent treated in accordance with Type II, Class 3 of MIL-T-3530.

Lubrication of the quarpel-treated sewing thread is prohibited.

Table 1. Stitching Requirements.

LOCATION	STITCH TYPE	THREAD	STITCHES PER INCH
General	301	50/3	10–14
Overedging	502 or 503	50/3	6–10

Re-stitching

Stitching on replacement sections and re-stitching of seams will be the same as an original construction.

Backstitch all stitching no less than 1 inch (2.54 cm) at each break or end to prevent raveling.

Maintain proper thread tensions and properly embedded stitches to prevent loose stitching.

Overlock thread breaks 3/4 inch (1.91 cm) at each break.

Re-sew all broken stitching by back stitching two inches on each side of the break.

REPAIR – CONTINUED

Darning

Darn rips or tears not larger than 1/4 inch (0.635 cm) limiting to three per hood or cap section. Repairs such as mends, darns, patches, or splices are not permitted on the camouflage pattern cap.

Loop fastener tape may be replaced. The tape shall conform to Type II, Class 1 of A-A-55126 with tape dimensions 1-inch wide by 5 1/4-inch long.

Sizing

After repair and/or laundering, size all items using tables listed below. Check sizes with original markings and change if necessary. All size markings will be stamped out with indelible ink. Size all caps and hats IAW Table 2. When measurements do not conform to the table, mark with the next lower size.

Table 2. Army Combat Uniform Patrol Cap Sizing Instructions.

SIZE	INSIDE CAP MEASUREMENT	TOLERANCE
6 3/8	20 1/8	±1/4
6 1/2	20 1/2	
6 5/8	20 7/8	
6 3/4	21 1/4	
6 7/8	21 5/8	
7	22	
7 1/8	22 3/8	
7 1/4	22 3/4	
7 3/8	23 1/8	±1/4
7 1/2	23 1/2	
7 5/8	23 7/8	
7 3/4	24 1/4	
7 7/8	24 5/8	
8	25	
8 1/8	25 3/8	
8 1/4	25 3/4	
8 3/8	26 1/8	
8 1/2	26 1/2	

1. Cut away faded or missing instructions labels.
2. Replace with new labels in same location, using Type 301 stitch and label cloth specified at each garment label description. Print labels with black indelible ink.

END OF TASK

END OF WORK PACKAGE

**FIELD MAINTENANCE
MATERNITY COAT AND SLACKS
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-Inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 42-414

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Prior to repair operations, each item shall be inspected by qualified personnel to determine the amount of repair necessary. The following methods shall be observed as fully as skills, facilities, funds, and local conditions permit. The sequence of operations shall be determined by the repairing organizations unless otherwise prescribed.

Inspect all items to determine the amount of repairs needed and whether such repairs can be accomplished within the organization or evacuate to a higher level of maintenance.

Dirt, mud, dust spots, mildew stains, and other foreign matter shall be removed with a brush or by laundering. Mildewed and rotted items shall be discarded. Seams shall be tested by grasping the item with both hands and pulling at right angles to the seam. Areas to be repaired shall be marked with crayon. Non-specification and personnel marks shall be erased or obscured.

Perform PMCS inspection on all items IAW WP 0005 and determine serviceability IAW WP 0007.

END OF TASK**SERVICE**

Items shall be processed in laundry facilities in accordance with established practices set forth in FM 42-414. When such facilities are not available, items shall be laundered by contract with private industry in accordance with accepted commercial laundry practices.

END OF TASK

REPAIR

Patching

Iron-on Patches. Rips and tears other than stress points (e.g., crotch seams, pocket seams, and pocket flap seams) may be repaired by iron-on patches. Any rip or tear closer than 3/4 inch (1.91 cm) to any seam will be repaired by sewing.

The iron-on patch shall be cut to the size and shape so that it will extend 3/4 inch (1.91 cm) in all directions beyond the tear or other damage. Patches will have rounded corners.

NOTE

When patching by hand, iron patch to the inside of the garment. The garment may be turned inside out or the patch may be inserted within the garment, taking care that the patch is centered in the desired position.

Patches that are longer than the iron may be ironed in sections, starting at the center and completing each section before moving to the next section. Overlapping of the iron upon a previously bonded section is permissible. Carefully trim away any frayed protrusions at the torn edges.

1. Trim heavily raveled ends with scissors.
2. Smooth out the area to be patched so that the tear is closed or very nearly closed and so that there will be no wrinkles, folds, seams, or other protrusions under the iron when it is applied.
3. Pre-warm the area to be patched by pressing with a household electric dry iron or steam iron used dry.
4. With iron set at the Cotton indicator, or as high as possible without scorching the fabric, apply the iron for 5 seconds or more. Immediately position the patch.
5. Hold the iron on the patch for about 12 seconds.

NOTE

Use no more than a slight rotating motion of the iron and apply constant pressure.

6. Remove the iron and allow patch area to cool in place about 5 seconds, or long enough so that the patch will not drift off when the garment is removed from the ironing board.
7. **QA:** Periodically during the work and when adjusting the iron, test a patch that has cooled for about 5 minutes.
 - a. With the fingers, pull at the edge of the patch until a tab about 1/4 to 1/2 inch (0.635 to 1.27 cm) long is formed.
 - b. Pull hard on the tab with fingers. A well-bonded tab will be difficult to peel off and will indicate that iron adjustment and heating time are adequate.
 - If the adhesive strikes through the patch cloth, too much heat has been applied. Reduce time of pressing or temperature of the iron. A small amount of strike-through is not objectionable, provided the patch meets the check test.
 - A bonded patch that has a lifted edge will be re-ironed. A bonded patch that has been subjected to the check test will be replaced.
 - When patching by special automatic press, the platen temperature, dwell time, dwell pressure, and other details shall be in accordance with the press manufacturer's instructions.
 - c. Replace the check-test patch with a new patch.

REPAIR – CONTINUED

Patching and Darning. Patching and darning may be applied to any area of the items. Repair small tears not more than 1/2 inch (1.27 cm) across with a darning or zigzag stitch. Patch holes with a diameter of 1/4 inch (0.635 cm) or more. Repair rips, tears, and thin areas greater than 1/2 inch (1.27 cm) by patching. Patches shall be limited to a maximum of 2 inches (5.08 cm) in the greatest dimension. Patches shall match the garment in color and type of material. Insert patch under damaged area; cut away damaged area and turn edges under approximately 3/8 inch (0.952 cm). Cut patch large enough to extend not less than 1/2 inch (1.27 cm) and not more than 1 inch (2.54 cm) around the perimeter of the opening with 3/8 inch (0.952 cm) turn-under of all edges except selvage edges. Precut all patches to provide for symmetry.

Sewing Machine Repairs, Stitching, and Re-stitching

All sewing, except emergency repair, shall be machine-sewn. When ends of machine stitching Type 301 are not caught in other seams or stitching, they shall be back-stitched not less than 1 inch (2.54 cm) at each break. Ends of a continuous line of stitching shall overlap not less than 1/2 inch (1.27 cm). Thread breaks (all stitch types) shall be repaired by stitching back of the break not less than 1/2 inch (1.27 cm). Thread tension shall be properly maintained to avoid loose stitching and locks shall be embedded in the center of the material sewn. Stitch spacing used for re-stitching and type of seams, shall be the same as in the original construction. Seams with loose and/or weak thread shall be re-stitched. For illustrations of the various types of stitches used, see FED STD-751. Use the following types of stitch, thread size, and stitches per inch for the repair (Table 1).

Table 1. Maternity Coat and Maternity Slacks Stitching Requirements.

LOCATION	STITCH TYPE	THREAD		STITCHES PER INCH
		NEEDLE	BOBBIN	
General	301	50	50	10–14
General	401	50	70	10–14
Bartacks	Bartack	50	50	28 per bartack
Buttonholes	Buttonhole	30	50	52–56 per buttonhole
Buttons	101 or 301	30	30	14–16 per button

Buttons

Replace missing, loose, or damaged buttons with buttons conforming to those listed in the RPSTL . Attach the buttons securely and align with eyelet of respective buttonholes.

Buttonholes

Buttonholes shall be of the eyelet-end taper-bar type worked over gimp. Repair damaged buttonholes by reshaping enlarged buttonholes before reworking. Pull into shape and hand- or machine-whip a small reinforcement patch to the underside of the buttonhole. Then rework buttonhole through the patch.

Stretch Panel

Replace damaged stretch panel with parts attained from salvage of the like size and design.

Pockets

Darn or machine-patch small rips at corners or broken seams. Inside hanging pockets shall be repaired by piecing, when required.

REPAIR – CONTINUED

Hems

Turn under all frayed hems and stitch in place.

Elasticized Waistband

Replace missing or damaged waistband elastic with new parts of like size and design.

Hook and Loop Fastener Tape

Any damaged hook and loop fastener may be replaced. Hook fastener tape shall conform to Type II, Class 1 and loop fastener tape shall conform to Class 1 or 4 of A-A-55126. Refer to Table 2 for hook and loop fastener measurements.

Table 2. Hook and Loop Fastener Tape Sizes for Maternity Coat and Slacks.

LOCATION	HOOK FASTENER TAPE DIMENSIONS WIDTH X LENGTH (INCHES)	LOOP FASTENER TAPE DIMENSIONS WITDH X LENGTH (INCHES)
COAT		
Sleeve	N/A	4 x 7
Chest Name Tape	N/A	1 x 5 1/4
Chest U.S. Army Tape	N/A	1 x 5 1/4
Rank	N/A	2 x 2
Pocket per piece	1 1/2 x 1 1/4	N/A
Pocket Flap per piece	N/A	1 1/2 x 1 1/4
SLACKS		
Pocket per piece	1 1/2 x 1 1/4	N/A
Pocket Flap per piece	N/A	1 1/2 x 1 1/4

Resizing

Resize all garments after complete repair and cleaning according to item group schedule of sizes listed below. When items deviate in size from original marking, obliterate the old marking and print or stamp the proper size with an indelible pencil or waterproof ink near old size. When the measurements do not correspond to a size listed, re-mark items to correspond to the next-lowest size. Items with measurements falling below the lowest measurement in the schedule will not be accepted for re-marking. Refer to Table 3 for measuring information and Table 3 for sizing instructions.

REPAIR – CONTINUED

Table 3. Maternity Coat Sizing Information.

SIZE	HALF CHEST ¹	HALF SWEEP ²	CROSS BACK ³	BACK LENGTH ⁴	SLEEVE LENGTH ⁵	COLLAR ⁶
(Tolerance)	±1/2	±1/2	±1/2	±1/2	±1/2	±1/4
6 Short	19 1/2	24 1/4	15	27 1/4	21 1/2	15 1/8
6 Regular	19 1/2	24 1/4	15	28 3/4	22 1/2	15 1/8
6 Long	19 1/2	24 1/4	15	30 1/4	23 1/2	15 1/8
8 Short	20	24 3/4	15 3/8	27 1/2	21 3/4	15 1/2
8 Regular	20	24 3/4	15 3/8	29	22 3/4	15 1/2
8 Long	20	24 3/4	15 3/8	30 1/2	23 3/4	15 1/2
10 Short	20 1/2	25 1/4	15 3/4	27 3/4	22	15 7/8
10 Regular	20 1/2	25 1/4	15 3/4	29 1/4	23	15 7/8
10 Long	20 1/2	25 1/4	15 3/4	30 3/4	24	15 7/8
12 Short	21 1/4	26	16 1/8	28	22 1/4	16 1/4
12 Regular	21 1/4	26	16 1/8	29 1/2	23 1/4	16 1/4
12 Long	21 1/4	26	16 1/8	31	24 1/4	16 1/4
14 Short	22	26 3/4	16 1/2	28 1/4	22 1/2	16 5/8
14 Regular	22	26 3/4	16 1/2	29 3/4	23 1/2	16 5/8
14 Long	22	26 3/4	16 1/2	31 1/4	24 1/2	16 5/8
16 Short	22 3/4	27 1/2	16 7/8	28 1/2	22 3/4	17
16 Regular	22 3/4	27 1/2	16 7/8	30	23 3/4	17
16 Long	22 3/4	27 1/2	16 7/8	31 1/2	24 3/4	17
18 Short	23 3/4	28 1/2	17 1/4	28 3/4	23	17 3/8
18 Regular	23 3/4	28 1/2	17 1/4	30 1/4	24	17 3/8
18 Long	23 3/4	28 1/2	17 1/4	31 3/4	25	17 3/8
20 Short	24 3/4	29 1/2	17 5/8	29	23 1/4	17 3/4
20 Regular	24 3/4	29 1/2	17 5/8	30 1/2	24 1/4	17 3/4
20 Long	24 3/4	29 1/2	17 5/8	32	25 1/4	17 3/4
22 Short	25 3/4	30 1/2	18	29 1/4	23 1/2	18 1/8
22 Regular	25 3/4	30 1/2	18	30 3/4	24 1/2	18 1/8
22 Long	25 3/4	30 1/2	18	32 1/4	25 1/2	18 1/8

¹Half chest measurement taken from folded edge to folded edge at base of armhole.²Half sweep measurement taken from folded edge to folded edge along bottom of coat with side pleats closed.³Cross back measurement taken across back from back seams of sleeves.⁴Back length measurement taken from base of undercollar to bottom of coat.⁵Sleeve length measurement taken from top sleeve at shoulder seam to bottom of sleeve.⁶Collar measurement taken along collar joining seam.

REPAIR – CONTINUED

Table 4. Maternity Slacks Sizing Information.

SIZE	HALF WAIST ¹	HALF HIP ²	OUTSEAM ³	INSEAM ⁴
(Tolerance)	±1/2	±1/2	±1/2	±3/4
6 Short	11 3/4	19 3/4	42 1/4	32
6 Regular	11 3/4	19 3/4	44 1/2	33 1/2
6 Long	11 3/4	19 3/4	46 1/2	35
8 Short	12 1/4	20 1/4	42 1/2	32
8 Regular	12 1/4	20 1/4	44 3/4	33 1/2
8 Long	12 1/4	20 1/4	46 3/4	35
10 Short	12 3/4	20 3/4	42 3/4	32
10 Regular	12 3/4	20 3/4	45	33 1/2
10 Long	12 3/4	20 3/4	47	35
12 Short	13 1/2	21 1/2	43	32
12 Regular	13 1/2	21 1/2	45 1/4	33 1/2
12 Long	13 1/2	21 1/2	47 1/4	35
14 Short	14 1/4	22 1/4	43 1/4	32
14 Regular	14 1/4	22 1/4	45 1/2	33 1/2
14 Long	14 1/4	22 1/4	47 1/2	35
16 Short	15	23	43 1/2	32
16 Regular	15	23	45 3/4	33 1/2
16 Long	15	23	47 3/4	35
18 Short	16	24	43 3/4	32
18 Regular	16	24	46	33 1/2
18 Long	16	24	48	35
20 Short	17	25	44	32
20 Regular	17	25	46 1/4	33 1/2
20 Long	17	25	48 1/4	35
22 Short	18	26	44 1/2	32
22 Regular	18	26	46 1/2	33 1/2
22 Long	18	26	48 1/2	35

¹Half waist measurement taken from folded edge to folded edge at center of waistband in relaxed position.

²Half hip measurement taken from folded edge to folded edge of slacks along bottom of stretch panel.

³Outseam measurement taken from top of waistband along seam to bottom of slacks.

⁴Inseam measurement taken from crotch seam along Inseam to bottom of slacks.

END OF TASK

END OF WORK PACKAGE

CHAPTER 9
FIELD MAINTENANCE
FOR
GENERAL CLOTHING

**FIELD MAINTENANCE
HEADGEAR
INSPECT, SERVICE, REPAIR**

INITIAL SETUP:**Tools**

Brush, Stenciling (WP 0084, Item 2)
Scissors, 8-inch (WP 0084, Item 22)
Sewing Machine, Light Duty (WP 0084, Item 31)
Sewing Machine, Medium Duty (WP 0084, Item 33)

Materials/Parts

Lubricant, Slide Fastener (WP 0083, Item 9)
Pencil, China Marker, Yellow (WP 0083, Item 14)

Personnel Required

Non-MOS Specific (1)

References

WP 0005
WP 0007
FM 10-280

Equipment Condition

Lay out on a clean, flat surface.

INSPECT

Perform PMCS inspection on all items in accordance with WP 0005 and determine serviceability in accordance with WP 0007.

END OF TASK**SERVICE****Field Cleaning**

Thoroughly clean the item of mud or other foreign matter with damp or dry cloth or by scrubbing with clear water.

Cleaning and Laundering

Items which cannot be satisfactorily cleaned by brushing will be dry-cleaned in Army dry-cleaning facilities in accordance with established practices set forth in FM 10-280. When such facilities are not available, items will be laundered by contract with private industry in accordance with accepted commercial laundry practices. Quarpel-treated items such as w/fur and camouflage hat will require thorough rinsing and removal of cleaning compounds to ensure retention of waterproof characteristics.

END OF TASK

REPAIR

Materials used in the repair of hats, caps, and hood will be serviceable materials recovered from similar salvaged items, when authorized, or will be new materials which will be requisitioned from stock under the stock number and/or item descriptions as listed in the RPSTL. When not available from stock, the materials may be purchased locally when they conform to the standard material.

Field Repair

Field repair is limited to the replacement of missing or defective buttons.

Stitching

Refer to Table 1 for stitching information for various repairs.

Items having frayed edges will be overedge stitched, using stitch Type 501, 503, or 505.

All sewing except emergency repair will be machine-sewing.

Match all stitches and seams to those used in the original construction.

Maintain proper thread tension so that thread locks will be embedded in the center of material to prevent loose stitches.

Re-stitch seams with loose or broken thread by stitching back from the break not less than 1/2 inch (1.27 cm).

Backstitch thread ends 1/4 inch (0.635 cm), except when ends are turned under in a hem or held down by other stitching.

NOTE

All thread shall be dyed Olive Drab Shade S-1, CA 66022. The polyester-cotton covered thread shall be water-repellent treated in accordance with Type II, Class 3 of MIL-T-3530.

Lubrication of the quarpel-treated sewing thread is prohibited.

Table 1. Stitching Requirements.

LOCATION	STITCH TYPE	THREAD	STITCHES PER INCH
Cold Weather Hood			
General	301	50/3	10–14
Bartack		50/3	28
Buttonhole		50/3	45
Nylon Tape Fasteners	301	30/3	10–14
Buttons	301	30/3	14–16
Cold Weather Cap			
General	301	50/3	10–14
Buttonholes		50/3	76–80
Bartack		50/3	28
Nylon Tape Fasteners	301	50/3	10–14

REPAIR – CONTINUED**Re-stitching**

Stitching on replacement sections and re-stitching of seams will be the same as an original construction.

When stitch Type 401 is used, place the looped thread on the underside.

Backstitch all stitching no less than 1 inch (2.54 cm) at each break or end to prevent raveling.

Maintain proper thread tensions and properly embedded stitches to prevent loose stitching.

Overlock thread breaks 3/4 inch (1.91 cm) at each break.

Re-sew all broken stitching by back stitching two inches on each side of the break.

Darning

Darn rips or tears not larger than 1/4 inch (0.635 cm) limiting to three per hood or cap section. Repairs such as mends, darns, patches, or splices are not permitted on the camouflage pattern cap.

Sweatband Replacement

Replace defective sweatbands with material specified in RPSTL.

Drawcord

Replace missing or defective drawcords with webbing specified in RPSTL, cut as follows, and attach in same manner as the original.

1. One end of each drawcord shall be tacked to brim and hood joining seam allowance through interlining and hood.
2. Thread through eyelet and keeper.
3. Knot ends and coat tips with cellulose acetate or cellulose butyrate to prevent fraying (Figure 1).

Buttons

Replace missing or defective buttons with like items specified in RPSTL and re-stitch all loose buttons.

Buttonholes

Repair buttonholes having loose or broken stitching and loose or broken gimp or tack. Reshape enlarged buttonholes by reinforcing hole with a small piece of like material and rework. Re-stitch damaged tack and replace defective gimp with material specified in RPSTL.

Drawcords

Replace missing or defective drawcord eyelets with material specified in RPSTL.

Sizing

After repair and/or laundering, size all items using tables listed below. Check sizes with original markings and change if necessary. Hoods that do not meet size requirements of Table 2 will not be reissued for wear. All size markings will be stamped out with indelible ink. Size all caps and hats in accordance with Table 2. When measurements do not conform to the table, mark with the next-lower size.

REPAIR – CONTINUED

Table 2. Cold Weather Hood Sizing Instructions.

LOCATION	INCHES	TOLERANCE	
		PLUS	MINUS
¹ Overall Length	34	3/4	1/2
² Neck	24	3/4	1/2
³ Brim Width	4 1/2	1/4	1/4
Storm Curtain Width	6 5/8	1/4	1/4
³ Skirt Width	4 1/4	1/4	1/4

¹Measure from bottom of storm curtain to front edge of brim in alignment with center seam at top of hood.
²Measure along length of seam which joins skirt to hood on inside.
³Measure in alignment with center panel at top of hood.

Table 3. Cold Weather Cap Sizing Instructions.

LOCATION	CAP SIZE						TOLERANCE
	6 1/2	6 3/4	7	7 1/4	7 1/2	7 3/4	
¹ Inside Circumference	21	21 3/4	22 1/2	23 1/4	24	24 3/4	± 1/2
² Back Length	7 3/8	7 7/8	8 3/8	8 7/8	9 3/8	9 7/8	± 3/8
³ Gusset Width	2	2	2	2	2	2	± 1/4

¹Measure the inside circumference at center of sweatband without stretching.
²Measure from top crown seam at center back, through center of gusset to outside edge of binding.
³Measure across top of gusset at top crown joining seam.

1. Cut away faded or missing instructions labels.
2. Replace with new labels in same location, using Type 301 stitch and label cloth specified at each garment label description. Print labels with black indelible ink.

Cold Weather Hood instruction label shall conform to Type I, Class 1 of DD-I-20 and contain the information in Figure 1.

Cold Weather Cap instruction label shall conform to Type VI, Class 3 and shall contain the information in Figure 2.

REPAIR – CONTINUED

HOOD, EXTREME COLD WEATHER, W/SYNTHETIC FUR RUFF, OG-107

1. Attachment to Field Coat or M-65 Parka:
 - a. Fasten skirt buttonholes to 4 buttons on inside of garment (only 2 on coat).
 - b. Turn garment and fasten 2 storm curtain buttons to collar.
 - c. Fasten side storm curtain buttonholes to shoulder loop buttons on coat.
 - d. Secure stud on skirt to socket on side of garment.
 - e. Secure loop to coat button. Not required for Parka.
2. Attachment to (older type) M-51 Parka (with attached hood):
 - a. Align storm curtain and skirt buttonholes and fasten to 4 inside parka buttons.
 - b. Pull parka hood over insulating hood and secure crown buttons. Adjust parka hood drawstrings.
 - c. This hood is large enough to wear over steel helmet. Parka hood is not. Omit Step b when wearing helmet.
3. Use of hood (over bare head, cap, or helmet)
 - a. Adjust hood drawstrings for comfort, securing keeper to maintain fit. Adjust hood brim for maximum protection.
 - b. Open front closure or remove hood from head for ventilation.
 - c. Shake frost accumulation from fur frequently.

CAUTION

Do not tumble dry.

- d. Launder hood by hand, shake out water and air dry, or machine launder in accordance with Wool Method, Formula II, FM 10-280, *except* air dry.

Figure 1. Cold Weather Hood Instruction Label.

CAP, COLD WEATHER, INSULATING, HELMET LINER

1. Wear straight on head with forehead flap up or down.
2. Fasten earflaps under or over chin, and back of neck or over head.
3. When worn under helmet with earflaps over helmet, thread helmet chin strap through buttonholes.
4. Launder by the Wool Method, Formula II, FM 10-280 *except* dry tumble heat shall not exceed 130 °F; or hand wash in lukewarm water.

DO NOT REMOVE THIS LABEL

Figure 2. Cold Weather Cap Instruction Label.

END OF TASK

END OF WORK PACKAGE

CHAPTER 10
PARTS INFORMATION
FOR
CLOTHING

**PARTS INFORMATION
REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)**

INTRODUCTION

SCOPE

This RPSTL lists the authorized spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of field maintenance of clothing. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance, and recoverability (SMR) codes.

GENERAL

In addition to the Introduction work package, this RPSTL is divided into the following work packages.

1. **Repair Parts List Work Packages.** Work packages containing lists of spares and repair parts authorized for use in the performance of maintenance at the levels determined by the MAC/SMR code. These work packages also include 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. Sending units, brackets, filters, and bolts are listed with the component they mount on. Bulk materials are listed by item name in the Bulk Items work package which follows RPSTL WP 0076. Repair parts kits are listed at the end of the individual work packages. Repair parts for reparable special tools are also listed in a separate work package. Items listed are shown on the associated illustrations.
2. **Bulk Items Work Package.** This work package lists all items identified as 'bulk' in the parts lists. Due to the nature of bulk items, this work package does not include a Figure.
3. **Cross-Reference Indexes Work Packages.** There are two cross-reference indexes work packages in this RPSTL. The National Stock Number Index work package refers you to the Figure and item number for each NSN listed in the RPSTL. The Part Number Index work package refers you to the Figure and item number for each part number listed in the RPSTL.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES

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

SMR CODE (Column 2). The SMR code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout. This entry may be subdivided into 4 subentries, one for each service.

TABLE 1. SMR Code Explanation.

<u>Source Code</u>		<u>Maintenance Code</u>		<u>Recoverability Code</u>
<u>XX</u>		<u>XX</u>		<u>X</u>
1st two positions:	3rd position:	4th position:		5th position:
How to get an item.	Who can install, replace, or use the item.	Who can do complete repair on the item.		Who determines disposition action on unserviceable items.

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.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES — CONTINUED

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

TABLE 2. Source Code Explanation.

<u>Source Code</u>	<u>Application/Explanation</u>
PA PB PC PD PE PF PG PH PR PZ	<p>Stock items; use the applicable NSN to requisition/request items with these source codes. They are authorized to the level indicated by the code entered in the third position of the SMR code.</p> <p style="text-align: center;">NOTE Items coded PC are subject to deterioration.</p>
KD KF KB	<p>Items with these codes are not to be requested/requisitioned individually. They are part of a kit that is authorized to the maintenance level indicated in the third position of the SMR code. The complete kit must be requisitioned and applied.</p>
MF-Made at maintainer class MH-Made at below depot sustainment class ML-Made at SRA MD-Made at depot MG-Navy only	<p>Items with these codes are not to be requisitioned/requested individually. They must be made from bulk material which is identified by the P/N in the DESCRIPTION AND USABLE ON CODE (UOC) entry and listed in the bulk material group work package of the RPSTL. If the item is authorized to you by the third position code of the SMR code, but the source code indicates it is made at higher level, order the item from the higher level of maintenance.</p>
AF-Assembled by maintainer class AH-Assembled by below depot sustainment class AL-Assembled by SRA AD-Assembled by depot AG-Navy only	<p>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 third position of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.</p>
XA	<p>Do not requisition an "XA" coded item. Order the next higher assembly. (Refer to NOTE below.)</p>
XB	<p>If an item is not available from salvage, order it using the CAGEC and P/N.</p>
XC	<p>Installation drawings, diagrams, instruction sheets, field service drawings; identified by manufacturer's P/N.</p>
XD	<p>Item is not stocked. Order an XD-coded item through local purchase or normal supply channels using the CAGEC and P/N given, if no NSN is available.</p>

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES — CONTINUED

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 items source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

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:

Third Position. The maintenance code entered in the third position tells you the lowest maintenance class authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to the following classes of maintenance:

<u>Maintenance Code</u>	<u>Application/Explanation</u>
-------------------------	--------------------------------

C -	Crew
F -	Maintainer maintenance can remove, replace, and use the item.
H -	Below Depot Sustainment maintenance can remove, replace, and use the item.
L -	Specialized repair activity can remove, replace, and use the item.
G -	Afloat and ashore intermediate maintenance can remove, replace, and use the item (Navy only).
K -	Contractor facility can remove, replace, and use the item.
Z -	Item is not authorized to be removed, replaced, or used at any maintenance level.
D -	Depot can remove, replace, and use the item.

NOTE

Army will use C in the third position. However, for joint service publications, other services may use O.

Fourth Position. The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance class with the capability to do complete repair (perform all authorized repair functions).

<u>Maintenance Code</u>	<u>Application/Explanation</u>
-------------------------	--------------------------------

C -	Crew (operator) is the lowest class that can do complete repair.
F -	Maintainer is the lowest class that can do complete repair of the item.
H -	Below Depot Sustainment is the lowest class that can do complete repair of the item.
L -	Specialized repair activity (<i>enter specialized repair activity designator</i>) is the lowest class that can do complete repair of the item.
D -	Depot is the lowest class that can do complete repair of the item.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES — CONTINUED

<u>Maintenance Code</u>	<u>Application/Explanation</u>
G -	Both afloat and ashore intermediate levels are capable of complete repair of item. (Navy only.)
K -	Complete repair is done at contractor facility.
Z -	Nonreparable. No repair is authorized.
B -	No repair is authorized. No parts or special tools are authorized for maintenance of "B" coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.

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

<u>Recoverability Code</u>	<u>Application/Explanation</u>
Z -	Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the third position of the SMR code.
F -	Reparable item. When uneconomically repairable, condemn and dispose of the item at the field level.
H -	Reparable item. When uneconomically repairable, condemn and dispose of the item at the below depot sustainment.
D -	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item are not authorized below depot.
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 (such as precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.
G -	Field level repairable item. Condemn and dispose at either afloat or ashore intermediate levels (Navy only).
K -	Reparable item. Condemnation and disposal to be performed at contractor facility.

NSN (Column (3)). The NSN(s) for the item is listed in this column.

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

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.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES — CONTINUED

NOTE

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

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. Part numbers of any bulk materials required if the item is to be locally manufactured or fabricated.
3. Hardness Critical Item (HCI). Items that require special handling or procedures to ensure protection against electromagnetic pulse (EMP) damage are marked with the letters 'HCI.'
4. The statement 'END OF FIGURE' appears below the last item description in column (6) for each Figure in the repair parts list, special tools repair parts, kits, bulk items, and special tools list work packages.
5. Refer to Usable on Code details presented later in this work package under SPECIAL INFORMATION.

QTY (Column (7)). The QTY (quantity per Figure) column indicates the quantity of the item used in the breakout shown on the illustration/Figure. A "V" appearing in this column instead of a quantity indicates that the quantity is variable and quantity may change from application to application.

EXPLANATION OF CROSS-REFERENCE INDEXES WORK PACKAGES FORMAT AND COLUMNS

1. National Stock Number (NSN) Index Work Package. NSNs in this index are listed in National Item Identification Number (NIIN) sequence.

STOCK NUMBER Column. This column lists the NSN in NIIN sequence. The NIIN consists of the last nine digits of the NSN. When using this column to locate an item, ignore the first four digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

For example, if the NSN is 5385-01-574-1476, the NIIN is 01-574-1476.

FIG. Column. This column lists the number of the Figure where the item is identified/located. The Figures are in numerical order in the repair parts list and special tools list work packages.

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.

2. Part Number (P/N) Index Work Package. Part numbers in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combinations 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).

PART NUMBER Column. This column indicates the part number assigned to the item.

FIG. Column. This column lists the number of the Figure where the item is identified/located in the repair parts list and special tools list work packages.

ITEM Column. The item number is the number assigned to the item as it appears in the Figure referenced in the adjacent Figure number column.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES — CONTINUED

SPECIAL INFORMATION

UOC. The UOC appears in the lower left corner of the Description Column heading. Usable on codes are shown as "UOC:" in the Description Column (justified left) on the first line under the applicable item/nomenclature. Uncoded items are applicable to all models.

Fabrication Instructions. Bulk materials required to manufacture items are listed in the bulk material work package of this RPSTL. Part numbers for bulk material 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 the applicable maintenance WP.

Index Numbers. Items which have the word BULK in the Figure column will have an index number shown in the item number column. This index number is a cross-reference between the NSN/Part Number (P/N) Index work packages and the bulk material list in the bulk items work package.

HOW TO LOCATE REPAIR PARTS

1. When NSNs or Part Numbers Are Not Known.

First. Using the table of contents, determine the assembly group to which the item belongs. This is necessary since Figures are prepared for assembly groups and subassembly groups, and lists are divided into the same groups.

Second. Find the Figure covering the functional group or the subfunctional group to which the item belongs.

Third. Identify the item on the Figure and note the number(s).

Fourth. Look in the repair parts list work packages for the Figure and item numbers. The NSNs and part numbers are on the same line as the associated item numbers.

2. When NSN Is Known.

First. If you have the NSN, look in the STOCK NUMBER column of the NSN index work package. The NSN is arranged in NIIN sequence. Note the Figure and item number next to the NSN.

Second. Turn to the Figure and locate the item number. Verify that the item is the one for which you are looking.

3. When Part Number Is Known.

First. If you have the part number and not the NSN, look in the PART NUMBER column of the part number index work package. Identify the Figure and item number.

Second. Look up the item on the Figure in the applicable repair parts list work package.

END OF WORK PACKAGE

FIELD
PARTS INFORMATION
COMBAT VEHICLE CREWMAN'S OVERALLS

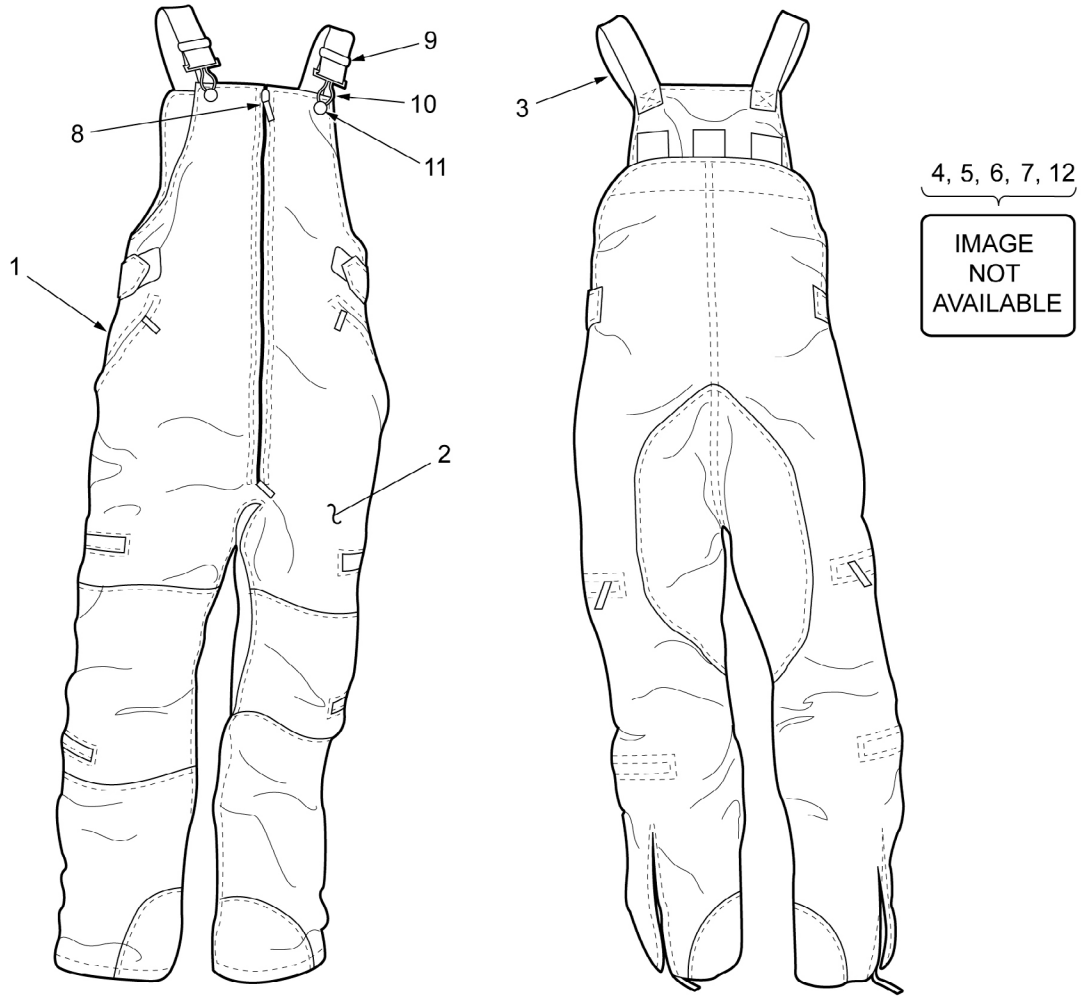


Figure 1. Combat Vehicle Crewman's Overalls.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
<p>GROUP 01 FIG. 1 COMBAT VEHICLE CREWMAN'S OVERALLS</p>						
1	PBFFF	8415-01-111-5020	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE X-SMALL SHORT	1
1	PBFFF	8415-01-111-5021	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE X-SMALL REGULAR	1
1	PBFFF	8415-01-111-5022	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE X-SMALL LONG	1
1	PBFFF	8415-01-111-5023	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE SMALL SHORT	1
1	PBFFF	8415-01-111-5024	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE SMALL MEDIUM	1
1	PBFFF	8415-01-111-5025	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE SMALL LONG	1
1	PBFFF	8415-01-111-5026	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE MEDIUM SHORT	1
1	PBFFF	8415-01-111-5027	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE MEDIUM REGULAR	1
1	PBFFF	8415-01-111-5028	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE MEDIUM LONG	1
1	PBFFF	8415-01-111-5029	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE LARGE SHORT	1
1	PBFFF	8415-01-111-5030	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE LARGE REGULAR	1
1	PBFFF	8415-01-111-5031	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE LARGE LONG	1
1	PBFFF	8415-01-111-7166	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE X-LARGE SHORT	1
1	PBFFF	8415-01-111-5032	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE X-LARGE REGULAR	1
1	PBFFF	8415-01-111-5033	81349	MIL-O-44109	OVERALLS, COMBAT VEHICLE CREWMEN'S SIZE X-LARGE LONG	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
2	PBFZZ	8305-00-483-1344	81349	MIL-C-4382	.CLOTH, HIGH TEMPERATURE RESISTANT, NON-MELTING NYLON; OG-106, MIL-C-43842.	1
3	XBFZZ	LOCAL PURCHASE			.WEBBING, ELASTIC, COTTON, 1 15/32 WIDE, BLACKSTONE WEBBING CO. STYLE + 2662 OR EQUAL.	YD
4	PAFZZ	8315-00-151-6479	58536	A-A-55126	.FASTENER TAPE, HOOK, 2 INCH, MIL-F-21840, TYPE I, CLASS 2.	YD
5	PAFZZ	8315-00-151-6482	58536	A-A-55126	.FASTENER TAPE, PILE, 2 INCH, MIL-F-21840, TYPE I, CLASS 2.	YD
6	PAFZZ	8310-00-492-8397	58536	A-A-50195	.THREAD, NYLON, NON-MELTING, OLIVE DRAB S-1, CA 66022, TYPE I, SIZES B AND E, MIL-T-43636.	TU
7	PAFZZ	4020-00-243-3152	81348	A-A-2917-18	.TWINE, FIBROUS, T-T-881 TYPE I.	YD
8	XDFZZ	LOCAL PURCHASE	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING, 22 INCHES, TYPE 1, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	EA
8	XDFZZ	LOCAL PURCHASE	81348	V-F-108	FASTENER, SLIDE, INTERLOCKING, 23 INCHES, TYPE I, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	EA
8	XDFZZ	LOCAL PURCHASE	81348	V-F-108	.FASTENER, SLIDE, INTERLOCKING, 24 INCHES, TYPE I, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106,V-F-106.	EA
8	PGFZZ	5325-00-138-4648	58536	A-A-55634A	.FASTENER, SLIDE, INTERLOCKING, 7 1/2 INCHES, TYPE I, STYLE 7, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	EA
8	PGFZZ	5325-00-138-4649	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING, 8 1/2 INCHES, TYPE I, STYLE 7, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	EA

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
8	XDFZZ	LOCAL PURCHASE	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING, 12 INCHES, TYPE I, STYLE 3, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	EA
8	XDFZZ	LOCAL PURCHASE	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING, 16 INCHES, TYPE I, STYLE 3, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	EA
8	XDFZZ	LOCAL PURCHASE	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING, 17 INCHES, TYPE I, STYLE 3, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	EA
8	XDFZZ	LOCAL PURCHASE	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING, 18 INCHES, TYPE I, STYLE 3, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	EA
9	XBOZZ	LOCAL PURCHASE	79577	02300	.SLIDE, BELT (SUSPENDER) 1 1/2 INCHES WIDE, BLACK, CONFORMING TO WATERBURY BUCKLE STYLE NO. 95, NORTH JUDD NO. 02300 OR EQUAL.	EA
10	XBOZZ	LOCAL PURCHASE	79577	93XB-10224	.SUSPENDER LOOP, 1 1/2 INCHES BLACK; CONFORMING TO SCOVILL "HOWE LOOP STYLE" OR EQUAL.	EA
11	PAFZZ	LOCAL PURCHASE	79577	74-3334-27-13-0161	.BUTTON TACK AND RIVET, BLACK, THE BUTTON TACK SHALL CONFORM TO SCOVILL NO. 74-3334-27-13-0161 OR EQUAL AND THE RIVET SHALL CONFORM TO SCOVILL NO. 74-0533-14-01-1163 OR EQUAL.	EA
12	XBFZZ	8305-00-281-8016	81349	MIL-C-43303	.CORD, ELASTIC, OLIVE GREEN, 3/16 INCH DIAMETER, MIL-C-43303.	YD

END OF FIGURE

FIELD
PARTS INFORMATION
COMBAT VEHICLE CREWMAN'S COVERALLS

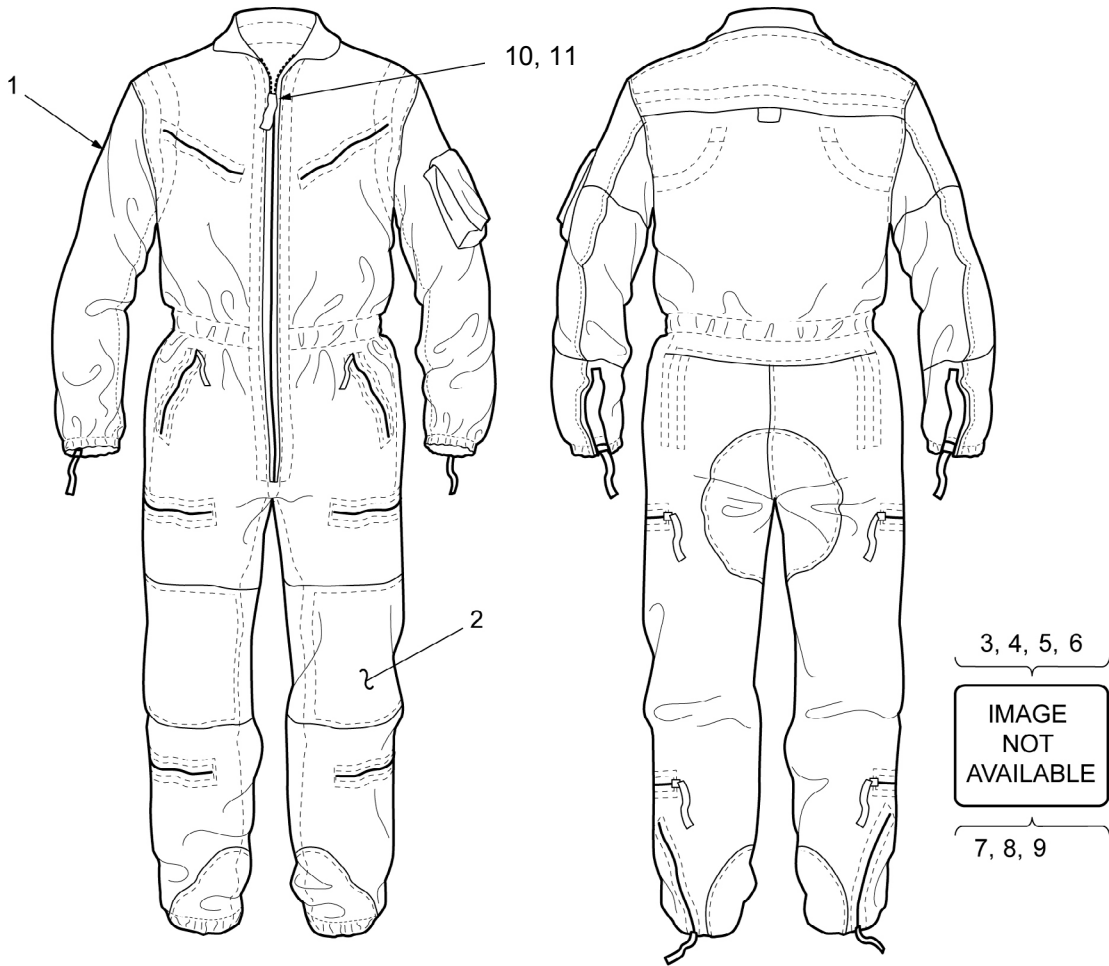


Figure 2. Combat Vehicle Crewman's Coveralls.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
<p>GROUP 02 FIG. 2 COMBAT VEHICLE CREWMAN'S COVERALLS</p>						
1	PAFFF	8415-01-074-6208	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE X-SMALL SHORT	1
1	PAFFF	8415-01-074-9438	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE X-SMALL REGULAR	1
1	PAFFF	8415-01-074-7020	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE X-SMALL LONG	1
1	PAFFF	8415-01-074-6254	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE SMALL SHORT	1
1	PAFFF	8415-01-074-6255	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE SMALL-REGULAR	1
1	PAFFF	8415-01-074-7021	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE SMALL-LONG	1
1	PAFFF	8415-01-074-6256	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE MEDIUM-SHORT	1
1	PAFFF	8415-01-074-6257	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE MEDIUM-REGULAR	1
1	PAFFF	8415-01-074-7022	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-074-7023	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE LARGE-SHORT	1
1	PAFFF	8415-01-074-7024	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE LARGE-REGULAR	1
1	PAFFF	8415-01-074-6209	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE LARGE-LONG	1
1	PAFFF	8415-01-074-9439	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE X-LARGE-SHORT	1
1	PAFFF	8415-01-074-6210	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE X-LARGE-REGULAR	1
1	PAFFF	8415-01-074-6211	81349	MIL-C-44077C	COVERALLS, COMBAT VEHICLE CREWMEN'S, SIZE X-LARGE-LONG	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
2	PAFZZ	8305-00-483-1344	81349	MIL-C-43842	.CLOTH, HIGH TEMPERATURE RESISTANT NON-MELTING NYLON, OG 106, MIL-C-43842 (USE FOR PATCHING)	YD
3	PAFZZ	8315-00-151-6479	58536	A-A-55126	.FASTENER TAPE, HOOK, 2 INCH, MIL-F-21840, TYPE I, CLASS 2	YD
4	PAFZZ	8315-00-151-6480	58536	A-A-55126	.FASTENER TAPE, HOOK, 1 INCH, MIL-F-21840, TYPE I, CLASS 2	YD
5	PAFZZ	8315-00-151-6482	58536	A-A-55126	.FASTENER TAPE, PILE, 2 INCH, MIL-F-21840, TYPE I, CLASS 2	YD
6	PAFZZ	8315-00-151-6484	58536	A-A-55126	FASTENER TAPE, PILE, 1 INCH, MIL-F-21840, TYPE I, CLASS 2	YD
7	PAFZZ	8310-00-492-8397	58536	A-A-50195	.THREAD, NYLON, NON-MELTING, OLIVE DRAB S-1 CA 66022, TYPE I, SIZES B AND E, MIL-T-43636.	TU
8	PAFZZ	8305-00-406-3496	81349	MIL-DTL-43685C	.WEBBING, ARAMID FIBER, NATURAL COLOR, MIL-W-43685, TYPE II	YD
9	PAFZZ	4020-00-243-3152	81348	A-A-2917-18	.TWINE, FIBROUS, T-T-881, TYPE I	YD
10	XDFZZ	LOCAL PURHCASE	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING, 6 1/2 INCHES, TYPE I, STYLE 3, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
10	XBFZZ	5325-00-138-4651	81348	VF106	.FASTENER, SLIDE, INTERLOCKING, 9 1/2 INCHES, TYPE I, STYLE 3, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
10	XBFZZ	5325-00-164-0827	58536	A-A-55634-00103CEFC07N50	.FASTENER, SLIDE, INTERLOCKING, 12 1/2 INCHES, TYPE I, STYLE 3, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
10	XBFZZ	5325-00-138-4650	58536	AA55634-0017CEFC10040	.FASTENER, SLIDE, INTERLOCKING, 10 INCHES, V-F-106, TYPE I, STYLE 7, SIZE M	1
10	XBFZZ	5325-00-478-0713	81348	VF106	.FASTENER, SLIDE, INTERLOCKING, 26 INCHES, V-F-106, TYPE I, STYLE 15, SIZE MS	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
10	XBFZZ	5325-00-478-0714	81348	VF106	.FASTENER, SLIDE, INTERLOCKING, 26 1/2 INCHES, V-F-106, TYPE I, STYLE 15, SIZE MS	1
10	XBFZZ	5325-00-478-0716	81348	VF106	.FASTENER, SLIDE, INTERLOCKING, 30 INCHES, V-F-106, TYPE I, STYLE 15, SIZE MS	1
10	XBFZZ	5325-00-476-7625	81348	VF106	.FASTENER, SLIDE, INTERLOCKING, 30 1/2 INCHES, V-F-106, TYPE I, STYLE 15, SIZE MS	1
10	XBFZZ	5325-00-159-3722	81348	VF106	.FASTENER, SLIDE, INTERLOCKING, 4 3/4 INCHES, TYPE I STYLE 7, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
10	XBFZZ	5325-00-138-4648	58536	A-A-55634A	.FASTENER, SLIDE, INTERLOCKING, 7 1/2 INCHES, TYPE I, STYLE 7, SIZE M, CHAIN BRASS, BLACK FINISH TAPE, META-ARAMID OG-106, V-F-106.	1
10	XBFZZ	5325-00-138-4649	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING, 8 1/2 INCHES, TYPE I, STYLE 7, SIZE M, CHAIR BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
10	XBFZZ	LOCAL PURCHASE	8138	V-F-106	.FASTENER, SLIDE, INTERLOCKING, 22 INCHES, TYPE I, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
11	XBFZZ	5325-00-478-0715	81348	VF106	.FASTENER, SLIDE, INTERLOCKING, 24 INCHES, TYPE I, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
11	XBFZZ	5325-00-478-0715	81348	VF106	.FASTENER, SLIDE, INTERLOCKING, 27 INCHES, TYPE I, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
11	XBFZZ	5325-01-049-0720	58536	A-A-55634	.FASTENER, SLIDE, INTERLOCKING, 27 1/2 INCHES, TYPE I, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
11	XBFZZ	5325-00-495-3368	81349	AA-55634	.FASTENER, SLIDE, INTERLOCKING, 28 INCHES, TYPE I, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
11	XBFZZ	5325-00-476-7622	81348	VF106	.FASTENER, SLIDE, INTERLOCKING, 28 1/2 INCHES, TYPE I, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
11	XBFZZ	5325-00-476-7623	81348	VF106	.FASTENER, SLIDE, INTERLOCKING, 29 INCHES, TYPE I, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1
11	XBFZZ	5325-00-476-7624	81348	VF106 TY 1 ST 15 SZ MS	.FASTENER, SLIDE, INTERLOCKING, 29 1/2 INCHES, TYPE I, STYLE 15, SIZE M, CHAIN BRASS, BLACK FINISH, TAPE, META-ARAMID OG-106, V-F-106.	1

END OF FIGURE

FIELD
PARTS INFORMATION
COMBAT VEHICLE CREWMAN'S COVERALLS SHIRT LINER
COMBAT VEHICLE CREWMAN'S COVERALLS TROUSER LINER

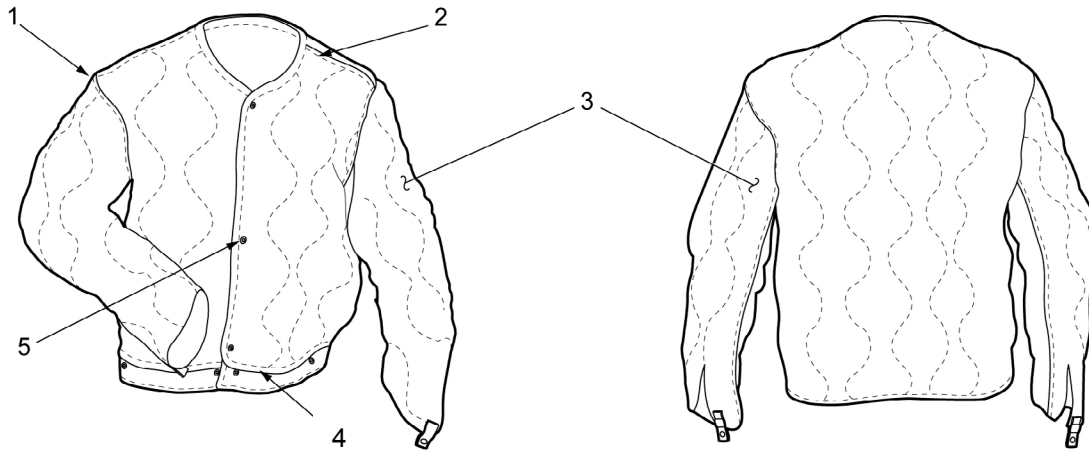


Figure 3. Combat Vehicle Crewman's Coveralls Liner, Shirt.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
<p>GROUP 03 FIG. 3 COMBAT VEHICLE CREWMAN'S COVERALLS LINER, SHIRT</p>						
1	PGFFF	8415-01-110-1398	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE X-SMALL REGULAR	1
1	PGFFF	8415-01-110-1399	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE X-SMALL LONG	1
1	PGFFF	8415-01-110-1400	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE SMALL SHORT	1
1	PGFFF	8415-01-110-1401	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE SMALL REGULAR	1
1	PGFFF	8415-01-110-1402	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE SMALL LONG	1
1	PGFFF	8415-01-110-1403	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE MEDIUM SHORT	1
1	PGFFF	8415-01-110-1404	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S, SHIRT, SIZE MEDIUM REGULAR	1
1	PGFFF	8415-01-110-1405	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE MEDIUM LONG	1
1	PGFFF	8415-01-110-1406	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE LARGE SHORT	1
1	PGFFF	8415-01-110-1407	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE LARGE REGULAR	1
1	PGFFF	8415-01-110-1408	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE LARGE LONG	1
1	PGFFF	8415-01-110-1409	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE X-LARGE SHORT	1
1	PGFFF	8415-01-110-1410	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE X-LARGE REGULAR	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PGFFF	8415-01-110-1411	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, SHIRT, SIZE X-LARGE LONG	1
2	XBFZZ	8310-00-492-8397	58536	A-A-50195	.THREAD, NYLON, NON-MELTING, OLIVE DRAB S-1, C.A. 66022, TYPE I, SIZES B AND E, MIL-T-43636.	TU
3	XBFZZ	LOCAL PURCHASE	81348	MIL-C-43774	.CLOTH, PLAIN OR PAJAMA CHECK WEAVE, ARAMID, 3 OUNCES PER SQUARE YARD, OLIVE GREEN 106,	YD
4	XBFZZ	8305-00-406-3496	81349	MIL-DTL-43685C	.WEBBING, ARAMID FIBER, OLIVE GREEN 106, 5/8 INCH WIDE, MIL-W- 43685, TYPE I.	YD
5	XBFZZ	LOCAL PURCHASE	81349	MIL-F-10084	.FASTENERS, SNAP; STYLE 2A, FINISH 2, MALE & FEMALE COMPLETE STUD & EYELET, SIZE 1 OR 2 AND SOCKET SIZE 1 OR 2, MIL-F-10884.	EA
END OF FIGURE						

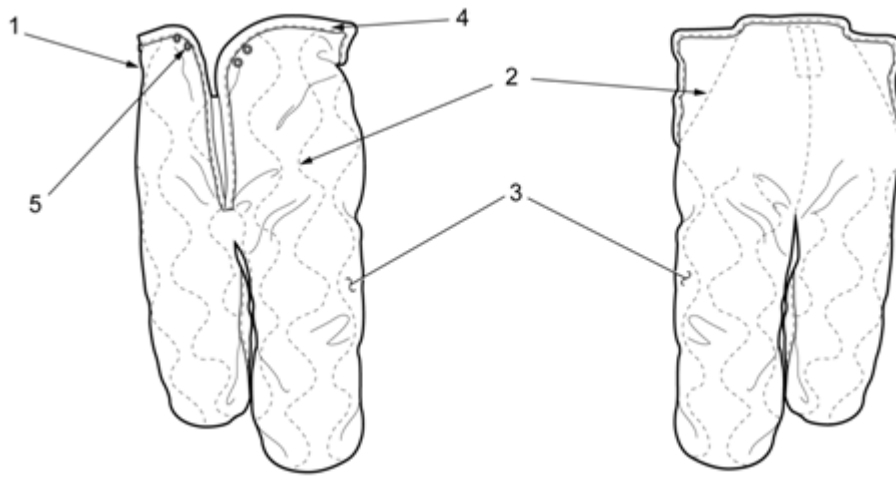


Figure 4. Combat Vehicle Crewman's Coveralls Liner, Trousers.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 03 FIG. 4 COMBAT VEHICLE CREWMAN'S COVERALLS LINER, TROUSER						
1	PAFFF	8415-01-110-4456	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE X-SMALL SHORT	1
1	PAFFF	8415-01-110-4457	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE X-SMALL REGULAR	1
1	PAFFF	8415-01-110-4458	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE X-SMALL LONG	1
1	PAFFF	8415-01-110-4459	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE SMALL SHORT	1
1	PAFFF	8415-01-110-4460	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE SMALL REGULAR	1
1	PAFFF	8415-01-110-4461	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE SMALL LONG	1
1	PAFFF	8415-01-110-4462	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE MEDIUM SHORT	1
1	PAFFF	8415-01-110-4463	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE MEDIUM REGULAR	1
1	PAFFF	8415-01-110-4464	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-110-4465	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE LARGE SHORT	1
1	PAFFF	8415-01-110-4466	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE LARGE REGULAR	1
1	PAFFF	8415-01-110-4467	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE LARGE LONG	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-110-4468	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE X-LARGE SHORT	1
1	PAFFF	8415-01-110-4469	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE X-LARGE REGULAR	1
1	PAFZZ	8415-01-110-4470	81349	MIL-L-44299	LINER, COMBAT VEHICLE CREWMEN'S COVERALLS, TROUSER, SIZE X-LARGE LONG	1
2	PAFZZ	8310-00-492-8397	58536	A-A-50195	.THREAD, NYLON, NON-MELTING, OLIVE DRAB S-1, C.A. 66022, TYPE I, SIZES B AND E, MIL-T-43636.	TU
3	XBFZZ				.CLOTH, PLAIN OR PAJAMA CHECK WEAVE, ARAMID, 3 OUNCES PER SQUARE YARD, OLIVE GREEN 106, MIL-C-43774.	YD
4	PAFZZ	8305-00-406-3496	81349	MIL-DTL-43685C	.WEBBING, ARAMID FIBER, OLIVE GREEN 106, 5/8 INCH WIDE, MIL- W-43685, TYPE I.	YD
5	PAFZZ				.FASTENERS, SNAP; STYLE 2A, FINISH 2, MALE & FEMALE COMPLETE STUD & EYELET, SIZE 1 OR 2 AND SOCKET SIZE 1 OR 2, MIL-F-10884.	EA
END OF FIGURE						

FIELD
PARTS INFORMATION
FLYER'S COVERALLS

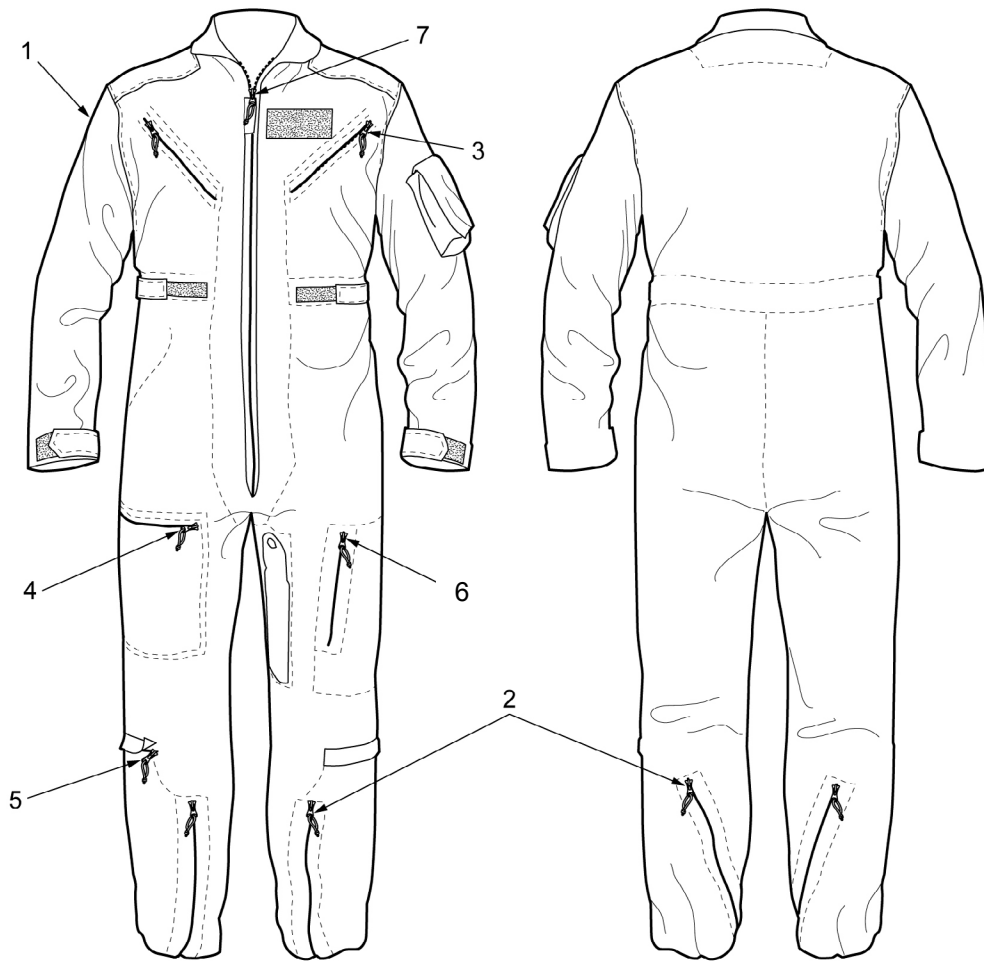


Figure 5. Flyer's Coveralls.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 04 FIG. 5 FLYER'S COVERALLS						
1	PAFFF	8415-01-043-8376	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 32S	1
1	PAFFF	8415-01-043-8377	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 32R	1
1	PAFFF	8415-01-043-8378	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 34S	1
1	PAFFF	8415-01-043-8379	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 34R	1
1	PAFFF	8415-01-043-8380	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 36S	1
1	PAFFF	8415-01-043-8381	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 36R	1
1	PAFFF	8415-01-043-8382	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 36L	1
1	PAFFF	8415-01-043-8383	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 38S	1
1	PAFFF	8415-01-043-8384	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 38R	1
1	PAFFF	8415-01-043-8385	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 38L	1
1	PAFFF	8415-01-043-8386	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 40S	1
1	PAFFF	8415-01-043-8387	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 40R	1
1	PAFFF	8415-01-043-8388	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 40L	1
1	PAFFF	8415-01-043-8389	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 42S	1
1	PAFFF	8415-01-043-9529	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 42R	1
1	PAFFF	8415-01-043-8390	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 42L	1
1	PAFFF	8415-01-043-8391	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 44S	1
1	PAFFF	8415-01-043-8392	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 44R	1
1	PAFFF	8415-01-043-8393	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 44L	1
1	PAFFF	8415-01-043-8394	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 46S	1
1	PAFFF	8415-01-043-8395	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 46R	1
1	PAFFF	8415-01-043-8396	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 46L	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-043-8397	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 48R	1
1	PAFFF	8415-01-043-8398	81349	MIL-C-83141	COVERALLS, FLYER'S SIZE 48L	1
2	XBFZZ	5325-00-138-4651	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 3, SIZE M, LENGTH 10 INCHES) (LEG OPENING ALL SIZES)	2
3	XBFZZ	5325-01-049-0724	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 7, SIZE M, LENGTH 6 ½ INCHES) (BREAST POCKETS, ALL SIZES)	2
4	XBFZZ	5325-00-138-4648	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 7, SIZE M, LENGTH 7 INCHES) (BREAST AND THIGH POCKETS, ALL SIZES)	1
5	XBFZZ	5325-00-138-4649	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 7, SIZE M, LENGTH 8 ½ INCHES) (LOWER LEG POCKETS, ALL SIZES)	2
6	XBFZZ	5325-00-138-4650	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 7, SIZE M, LENGTH 10 INCHES) (SIDE PASS-THROUGH, ALL SIZES)	1
7	XBFZZ	5325-00-478-0713	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 15, SIZE MS, LENGTH 26 INCHES) (FRONT OPENING, SIZE 36S)	1
7	XBFZZ	5325-00-478-0715	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 15, SIZE MS, LENGTH 27 INCHES) (FRONT OPENING, SIZE 36R/40S)	1
7	XBFZZ	5325-00-478-0714	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 15, SIZE MS, LENGTH 26 ½ INCHES) (FRONT OPENING, SIZE 38S)	1
7	XBFZZ	5325-01-049-0720	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 15, SIZE MS, LENGTH 27 ½ INCHES) (FRONT OPENING, SIZE 38R)	1
7	XBFZZ	5325-00-495-3368	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 15, SIZE MS, LENGTH 28 INCHES) (FRONT OPENING, SIZE 40R)	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
7	XBFZZ	5325-00-476-7623	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 15, SIZE MS, LENGTH 29 INCHES) (FRONT OPENING, SIZE 40L/44R)	1
7	XBFZZ	5325-00-476-7622	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 15, SIZE MS, LENGTH 28 ½ INCHES) (FRONT OPENING, SIZE 42R)	1
7	XBFZZ	5325-00-476-7624	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 15, SIZE MS, LENGTH 29 ½ INCHES) (FRONT OPENING, SIZE 42L/46R)	1
7	XBFZZ	5325-00-478-0716	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 15, SIZE MS, LENGTH 30 INCHES) (FRONT OPENING, SIZE 44L/48R)	1
7	XBFZZ	5325-00-476-7625	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 15, SIZE MS, LENGTH 30 ½ INCHES) (FRONT OPENING, SIZE 46L)	1
END OF FIGURE						

FIELD
PARTS INFORMATION
FLYER'S JACKET
COLD WEATHER JACKET

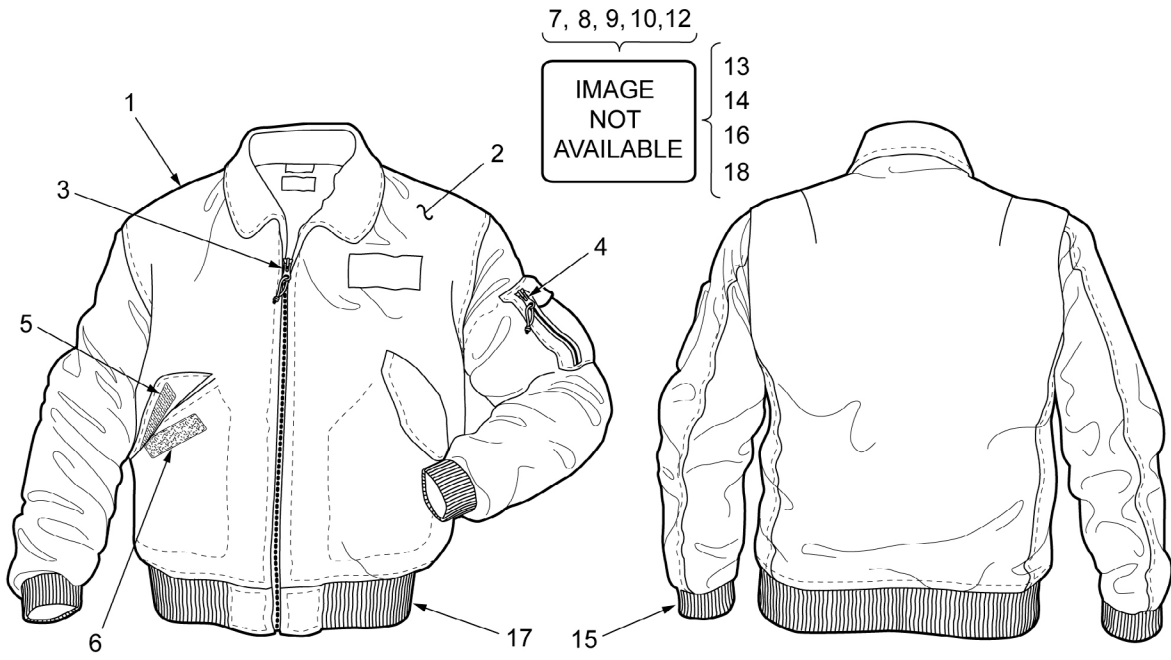


Figure 6. Flyer's Jacket.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 05 FIG. 6 FLYER'S JACKET						
1	PAFFF	8415-00-217-7201	81349	MIL-J-43923	JACKET, FLYER'S, SIZE X-SMALL SHORT	1
1	PAFFF	8415-00-217-7207	81349	MIL-J-43923	JACKET, FLYER'S, SIZE X-SMALL REGULAR	1
1	PAFFF	8415-00-217-7208	81349	MIL-J-43923	JACKET, FLYER'S, SIZE X-SMALL LONG	1
1	PAFFF	8415-00-217-7210	81349	MIL-J-43923	JACKET, FLYER'S, SIZE SMALL SHORT	1
1	PAFFF	8415-00-217-7212	81349	MIL-J-43923	JACKET, FLYER'S, SIZE SMALL REGULAR	1
1	PAFFF	8415-00-217-7213	81349	MIL-J-43923	JACKET, FLYER'S, SIZE SMALL LONG	1
1	PAFFF	8415-00-217-7219	81349	MIL-J-43923	JACKET, FLYER'S, SIZE MEDIUM SHORT	1
1	PAFFF	8415-00-217-7220	81349	MIL-J-43923	JACKET, FLYER'S, SIZE MEDIUM REGULAR	1
1	PAFFF	8415-00-217-7221	81349	MIL-J-43923	JACKET, FLYER'S, SIZE MEDIUM LONG	1
1	PAFFF	8415-00-217-7226	81349	MIL-J-43923	JACKET, FLYER'S, SIZE LARGE SHORT	1
1	PAFFF	8415-00-217-7229	81349	MIL-J-43923	JACKET, FLYER'S, SIZE LARGE REGULAR	1
1	PAFFF	8415-00-217-7233	81349	MIL-J-43923	JACKET, FLYER'S, SIZE LARGE LONG	1
1	PAFFF	8415-00-217-7234	81349	MIL-J-43923	JACKET, FLYER'S, SIZE X-LARGE SHORT	1
1	PAFFF	8415-00-217-7235	81349	MIL-J-43923	JACKET, FLYER'S, SIZE X-LARGE REGULAR	1
1	PAFFF	8415-00-217-7236	81349	MIL-J-43923	JACKET, FLYER'S, SIZE X-LARGE LONG	1
2	XBFZZ	8305-00-483-1344	81349	MIL-C-43842	.CLOTH, OXFORD, HIGH TEMPERATURE RESISTANT, NON- MELTING (COLOR OG-106) YD	1
3	XBFZZ	5325-00-285-1057	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 19 INCHES)	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
3	PAFZZ		81349	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 19 ½ INCHES)	1
3	PAFZZ	5325-00-159-3723	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 20 INCHES)	1
3	PAFZZ	5325-01-093-5237	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 20 ½ INCHES)	1
3	PAFZZ	5325-01-097-8997	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 21 INCHES)	1
3	PAFZZ	5325-01-097-8998	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 21 ½ INCHES)	1
3	PAFZZ	5325-01-093-5238	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 22 INCHES)	1
3	PAFZZ	5325-00-275-4433	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 22 ½ INCHES)	1
3	PAFZZ		81349	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 23 INCHES)	1
4	PAFZZ	5325-00-159-3722	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 7, SIZE M, SHORT PULL TAB, LENGTH 4 ¾ INCHES)	1
5	PAFZZ	8315-00-151-6480	81349	MIL-F-21840	.FASTENER TAPE, HOOK, TYPE I, CLASS II (1 INCH), YD	1
6	PAFZZ	8315-00-151-6484	58536	A-A-5126	.FASTENER TAPE, LOOP, TYPE I, CLASS II (1 INCH), YD	1
7	PAFZZ	8415-01-010-7203	81349	MIL-F-21840	.FASTENER TAPE, HOOK, TYPE I, CLASS II (5/8 INCH), YD	1
8	PAFZZ	8415-01-010-7204	81349	MIL-F-21840	.FASTENER TAPE, LOOP, TYPE I, CLASS II (5/8 INCH), YD	1
9	PAFZZ	8310-00-492-8397	81349	MIL-T-43636	.THREAD, NYLON, NON-MELTING, OLIVE DRAB S-1, C.A. 66022, TYPE I, SIZES B AND E, SP	1
10	PAOZZ	8310-00-988-1298	81349	V-T-285	.THREAD, POLYESTER, COTTON COVERED, OLIVE DRAB S-1, C.A. 66022, TICKET NO. 50, 3 PLY, TYPE I, CLASS 1, SUBCLASS A OR B, SP	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
12	PAFZZ	8315-00-405-2298	81349	MIL-T-43709	.TAPE, TEXTILE, NYLON, NON- MELTING, YD	1
13	PAFZZ	4020-00-243-3152	81349	T-T-881	.TWINE, FIBROUS, TYPE I, YD	1
14	XBFZZ	LOCAL PURCHASE	81349	MIL-C-43774	.CLOTH, NON-MELTING, NYLON, OG- 106, YD	1
15	PGFZZ	8315-01-028-3627	81349	MIL-C-3735	.CUFFS, KNIT, TYPE IV, CLASS 2, SIZE 2, PR	1
16	PGFZZ	8310-00-405-2252	58536	A-A-55217	..THREAD, ARAMID NYLON, GREEN 1565, 3 PLY, MIL-T-83193, SP	1
17	PGFZZ	8315-01-028-4896	81349	MIL-C-3735	.WAISTBAND, KNIT, ARAMID NYLON, MIL-C-3735, TYPE IV, CLASS 3,	1
18	PGFZZ	8310-00-405-2252	58536	A-A-55217	..THREAD, ARAMID NYLON, GREEN 1565, 3 PLY, MIL-T-83193, SP	1

END OF FIGURE

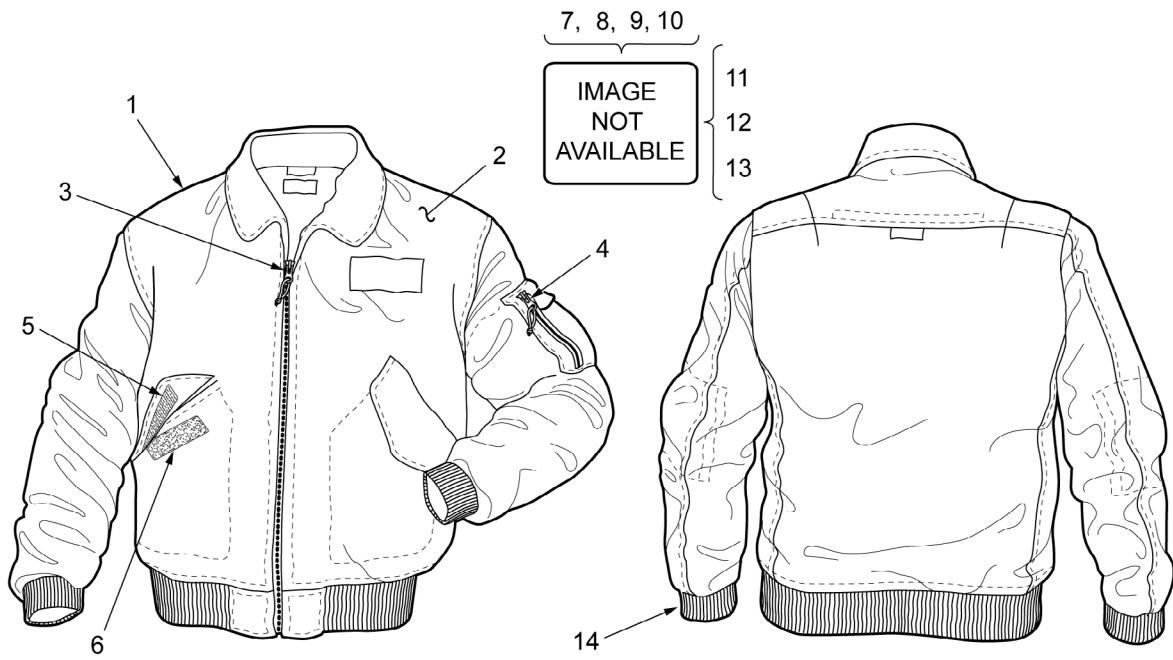


Figure 7. Cold Weather Jacket.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 05 FIG. 7 COLD WEATHER JACKET						
1	PAFFF	8415-01-074-9413	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE X- SMALL SHORT	1
1	PAFFF	8415-01-074-9414	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE X- SMALL REGULAR	1
1	PAFFF	8415-01-074-9415	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE X- SMALL LONG	1
1	PAFFF	8415-01-074-9416	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE SMALL SHORT	1
1	PAFFF	8415-01-074-9417	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE SMALL REGULAR	1
1	PAFFF	8415-01-074-9418	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE SMALL LONG	1
1	PAFFF	8415-01-074-9419	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE MEDIUM SHORT	1
1	PAFFF	8415-01-074-9420	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE MEDIUM REGULAR	1
1	PAFFF	8415-01-074-9421	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-074-9427	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE LARGE SHORT	1
1	PAFFF	8415-01-074-9422	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE LARGE REGULAR	1
1	PAFFF	8415-01-074-9423	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE LARGE LONG	1
1	PAFFF	8415-01-074-9424	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE X- LARGE SHORT	1
1	PAFFF	8415-01-074-9425	81349	MIL-J-43924E	JACKET, COLD WEATHER SIZE X- LARGE REGULAR	1
1	PAFFF	8415-01-074-9426	81349	MIL-J-43924E	JACKET, COLD WEATHER, SIZE X- LARGE LONG	1
2	XBFZZ	8305-00-483-1344	81349	MIL-C-43842	.CLOTH, OXFORD, HIGH TEMPERATURE RESISTANT, NON- MELTING (COLOR OG-106), YD	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
3	PAFZZ	5325-00-285-1057	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 19 INCHES)	1
3	PAFZZ		81349	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 19 ½ INCHES)	1
3	PAFZZ	5325-00-159-3723	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 20 INCHES)	1
3	PAFZZ	5325-01-093-5237	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 20 ½ INCHES)	1
3	PAFZZ	5325-01-097-8997	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 21 INCHES)	1
3	PAFZZ	5325-01-097-8998	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 21 ½ INCHES)	1
3	PAFZZ	5325-01-093-5238	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 22 INCHES)	1
3	PAFZZ	5325-00-275-4433	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 22 ½ INCHES)	1
3	PAFZZ		81349	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 4, STYLE 8, SIZE M, SHORT PULL TAB, LENGTH 23 INCHES)	1
4	PAFZZ	5325-00-159-3722	81348	VF106	.FASTENER, SLIDE, INTERLOCKING (TYPE 1, STYLE 7, SIZE M, SHORT PULL TAB, LENGTH 4 ¾ INCHES)	1
5	PAFZZ	8315-00-151-6480	81349	MIL-F-21840	.FASTENER TAPE, HOOK, TYPE I, CLASS II (1 INCH), YD	1
6	PAFZZ	8315-00-151-6484	58536	A-A-55126	.FASTENER TAPE, LOOP, TYPE I, CLASS II (1 INCH), YD	1
7	PAFZZ	8415-01-010-7203	81349	MIL-F-21840	.FASTENER TAPE, HOOK, TYPE I, CLASS II (5/8 INCH), YD	1
8	PAFZZ	8415-01-010-7204	81349	MIL-F-21840	.FASTENER TAPE, LOOP, TYPE I, CLASS II (5/8 INCH), YD	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
9	PAFZZ	8310-00-492-8397	81349	MIL-T-43636	.THREAD, NYLON, NON-MELTING, OLIVE DRAB S-1, C.A. 66022, TYPE I, SIZES B AND E, SP	1
10	PAOZZ	8310-00-988-1298	81349	V-T-285	.THREAD, POLYESTER, COTTON COVERED, OLIVE DRAB S-1, C.A. 66022, TICKET NO. 50, 3 PLY, TYPE I, CLASS 1, SUBCLASS A OR B, SP	1
11	PAFZZ	8315-00-405-2298	81349	MIL-T-43709	.TAPE, TEXTILE, NYLON, NON-MELTING, YD	1
12	PAFZZ	4020-00-243-3152	81349	T-T-881	.TWINE, FIBROUS, TYPE I, YD	1
13	PAFZZ		81349	MIL-C-43774	.CLOTH, NON-MELTING, NYLON, OG-106, YD	1
14	PAFZZ	8315-01-024-5725	81349	MIL-C-3735	.CUFFS, KNIT, TYPE IV, CLASS 2, SIZE 2, PR	1

END OF FIGURE

FIELD
PARTS INFORMATION
COMBAT GLOVES (COMBAT VEHICLE CREWMAN'S GLOVES)
FLYERS' GLOVES

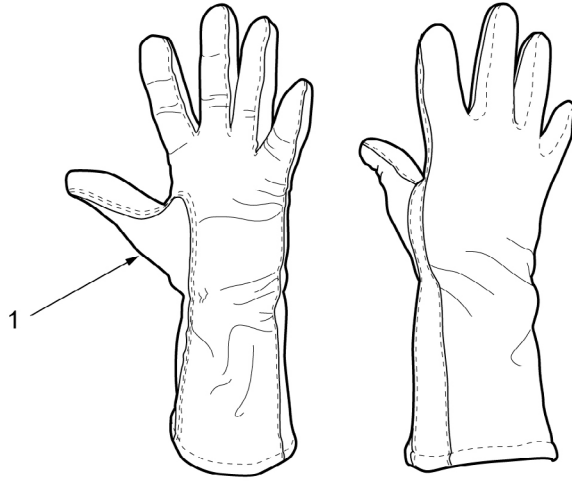


Figure 8. Combat Gloves (Combat Vehicle Crewman's Gloves).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 06 FIG. 8 COMBAT GLOVES (COMBAT VEHICLE CREWMAN'S GLOVES)						
1	PAFZZ	8415-01-074-9428	81349	MIL-G-44108	GLOVES, COMBAT SIZE 5	1
1	PAFZZ	8415-01-074-9429	81349	MIL-G-44108	GLOVES, COMBAT SIZE 6	1
1	PAFZZ	8415-01-074-9430	81349	MIL-G-44108	GLOVES, COMBAT SIZE 7	1
1	PAFZZ	8415-01-074-9431	81349	MIL-G-44108	GLOVES, COMBAT SIZE 8	1
1	PAFZZ	8415-01-074-9432	81349	MIL-G-44108	GLOVES, COMBAT SIZE 9	1
1	PAFZZ	8415-01-074-9433	81349	MIL-G-44108	GLOVES, COMBAT SIZE 10	1
1	PAFZZ	8415-01-074-9434	81349	MIL-G-44108	GLOVES, COMBAT SIZE 11	1
END OF FIGURE						

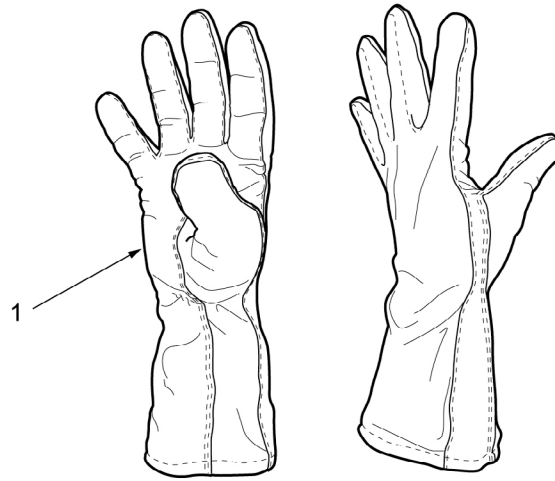


Figure 9. Flyers' Gloves.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 06						
FIG. 9 FLYERS' GLOVES						
1	PAFZZ	8415-01-040-2012	81349	MIL-G-81188	GLOVES, FLYERS' SIZE 5	1
1	PAFZZ	8415-01-040-1453	81349	MIL-G-81188	GLOVES, FLYERS' SIZE 6	1
1	PAFZZ	8415-01-029-0109	81349	MIL-G-81188	GLOVES, FLYERS' SIZE 7	1
1	PAFZZ	8415-01-029-0111	81349	MIL-G-81188	GLOVES, FLYERS' SIZE 8	1
1	PAFZZ	8415-01-029-0112	81349	MIL-G-81188	GLOVES, FLYERS' SIZE 9	1
1	PAFZZ	8415-01-029-0113	81349	MIL-G-81188	GLOVES, FLYERS' SIZE 10	1
1	PAFZZ	8415-01-029-0116	81349	MIL-G-81188	GLOVES, FLYERS' SIZE 11	1
END OF FIGURE						

FIELD
PARTS INFORMATION
COMBAT COAT AND TROUSERS (AIRCREW)
CAMOUFLAGE PATTERN COAT AND TROUSERS (BATTLE DRESS UNIFORM-BDU)

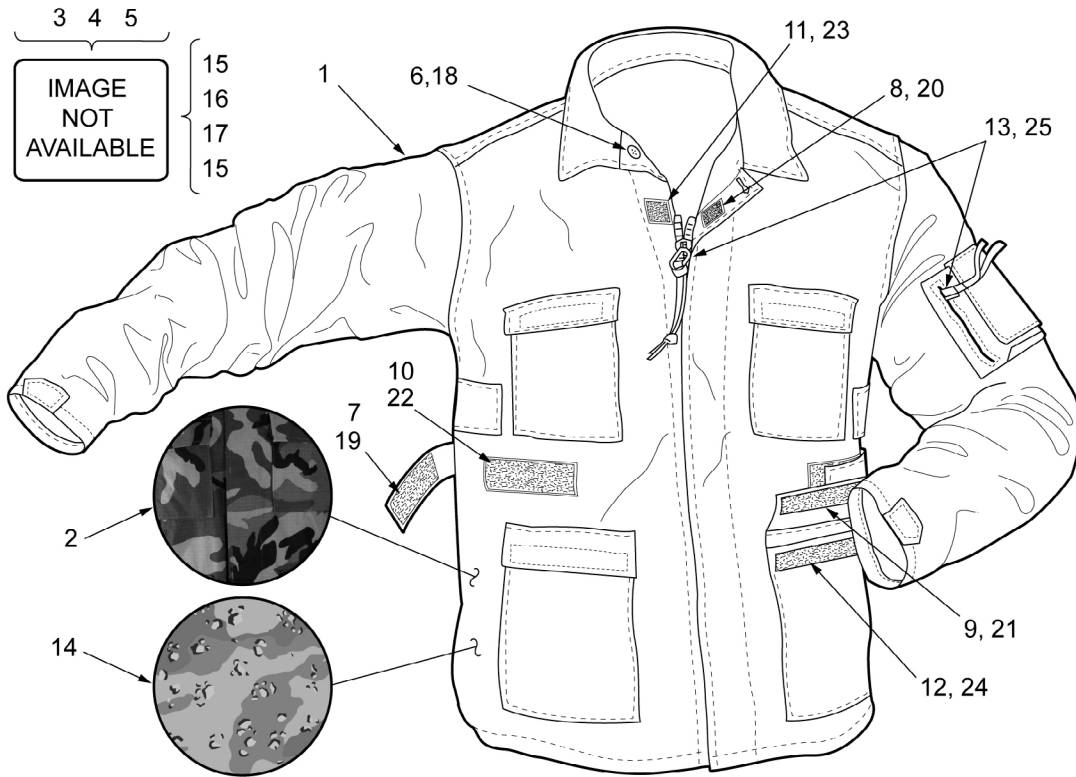


Figure 10. Combat Coat (Aircrew)/Camouflage Pattern Coat (BDU)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 07						
FIG. 10 COMBAT COAT (AIRCREW)/ CAMOUFLAGE PATTERN COAT (BDU)						
1	PAFFF	8415-01-345-5204	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, X- SMALL SHORT, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5205	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, X- SMALL REGULAR, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5206	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, X- SMALL LONG, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5207	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, SMALL SHORT, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5208	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, SMALL REGULAR, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5209	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, SMALL LONG, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5210	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, MEDIUM SHORT, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5211	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, MEDIUM REGULAR, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5212	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, MEDIUM LONG, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5213	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, LARGE SHORT, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5214	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, LARGE REGULAR, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5215	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, LARGE LONG, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5216	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, X- LARGE SHORT, WOODLAND CAMOUFLAGE	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-345-5217	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, X-LARGE REGULAR, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5218	81349	MIL-C-44371	COAT, COMBAT, AIRCREW, X-LARGE LONG, WOODLAND CAMOUFLAGE	1
2	XBFZZ	8305-01-345-5234	81349	MIL-C-83429	CLOTH, PLAIN AND BASKET WEAVE, ARAMID, CONFORMING TO TYPE II, CI 5, WOODLAND CAMO #483, OF MIL-C-83429.	1
3	PAFZZ	8310-00-262-0094	58536	A-A-50198	THREAD, GIMP, COTTON, BUTTONHOLE: SHADE OD-SL, C.A.66022, CONFORMING TO SIZE 8, TYPE I OR II OF A-A-50198.	1
4	PAFZZ	8310-00-492-8397	58536	A-A-50195	THREAD, ARAMID, SHADE # 483, C.A. 66022, CONFORMING TO TYPE I, 60 TEX OF A-A-50195	1
5	XBFZZ	LOCAL PURCHASE	4V933	MIL-T-44100	THREAD, PARA-ARAMID, SPUN, INTERMEDIATE MODULUS, SHADE # 483, CONFORMING TO 60 TEX OF MIL-T-44100.	1
6	PAFZZ	8315-00-899-0029	81348	V-B-871	BUTTONS, DOD SHADE BP # 483, CABLE NO. 62016, DULL FINISH, SIZE 30 LINE, CONFORMING TO TYPE II, CLASS D, STYLE 26 OF V-B-871	1
7	PAFZZ	8315-00-151-6480	58536	A-A-55126	FASTENER TAPE: HOOK, CONFORMING TO TYPE I, CI 1, 1 IN, SHADE OG-106, OF MIL-F-21840.	1
8	PAFZZ	8315-00-151-6481	58536	A-A-55126	FASTENER TAPE: HOOK, CONFORMING TO TYPE I, CI 1, 1-1/2 IN, SHADE OG-106, OF MIL-F-21840.	1
9	PAFZZ	8315-00-151-6479	58536	A-A-55126	FASTENER TAPE. HOOK, CONFORMING TO TYPE I, CI 1, 2 IN, SHADE OG-106, OF MIL-F-21840.	1
10	PAFZZ	8315-00-151-6484	58536	A-A-55126	FASTENER TAPE: PILE, CONFORMING TO TYPE I, CI 1, 1 IN, SHADE OG-106, OF MIL-F-21840.	1
11	PAFZZ	8315-00-151-6483	58536	A-A-55126	FASTENER TAPE: PILE, CONFORMING TO TYPE I, CI 1, 1-1/2 IN, SHADE OG-106, OF MIL-F-21840.	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
12	PAFZZ	8315-00-151-6482	58536	A-A-55126	FASTENER TAPE: PILE, CONFORMING TO TYPE I, CI 1, 2 IN, SHADE OG-106, OF MIL-F-21840.	1
13	PAFZZ	5225-00-159-3722	81348	VF106	FASTENER, SLIDE, SLEEVE, INTERLOCKING, 4 3/4 IN, TYPE I, STYLE 7, SIZE MS OF V-F-106 W/OG 106 TAPE.	1
13	XBFZZ	LOCAL PURCHASE	7M434	V-F-106	FASTENER, SLIDE: INTERLOCKING, TYPE IV, STYLE 8, SIZE MS OF V-F- 106 W/OG 106 TAPE.	1
1	PAFFF	8415-01-328-8253	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, X-SMALL SHORT, TAN	1
1	PAFFF	8415-01-328-8254	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, X-SMALL REGULAR, TAN	1
1	PAFFF	8415-01-328-8252	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, X-SMALL LONG, TAN	1
1	PAFFF	8415-01-328-8255	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, SMALL SHORT, TAN	1
1	PAFFF	8415-01-328-8256	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, SMALL REGULAR, TAN	1
1	PAFFF	8415-01-328-8257	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, SMALL LONG, TAN	1
1	PAFFF	8415-01-328-8258	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, MEDIUM SHORT, TAN	1
1	PAFFF	8415-01-328-8259	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, MEDIUM REGULAR, TAN	1
1	PAFFF	8415-01-328-8260	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, MEDIUM LONG, TAN	1
1	PAFFF	8415-01-328-8261	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, LARGE SHORT, TAN	1
1	PAFFF	8415-01-328-8262	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, LARGE REGULAR, TAN	1
1	PAFFF	8415-01-328-8263	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, LARGE LONG, TAN	1
1	PAFFF	8415-01-328-8264	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, X-LARGE SHORT, TAN	1
1	PAFFF	8415-01-328-8265	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, X-LARGE REGULAR, TAN	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-328-8266	81349	MIL-C-44371	COAT, CAMOUFLAGE PATTERN, BDU, X-LARGE LONG, TAN	1
14	XBFZZ	8305-00-000-0171	81349	MIL-C-83429	CLOTH, PLAIN AND BASKET WEAVE, ARAMID, CONFORMING TO TYPE II, CI 6, DESERT TAN # 380, OF MIL-C-83429.	1
15	XBFZZ	LOCAL PURCHASE	3A2E6	A-A-50198	THREAD, GIMP, COTTON, BUTTONHOLE: SHADE #380, C.A. 66022, CONFORMING TO SIZE 8, TYPE I OR II OF A-A-50198.	1
16	XBFZZ	LOCAL PURCHASE	4V933	A-A-50195	THREAD, ARAMID, SHADE # 380, C.A. 66022, CONFORMING TO TYPE I, 60 TEX OF A-A-50195.	1
17	XBFZZ	LOCAL PURCHASE	4V933	MIL-T-44100	THREAD, PARA-ARAMID, SPUN, INTERMEDIATE MODULUS, SHADE # 380, CONFORMING TO 60 TEX OF MIL-T-44100.	1
18	XBFZZ	LOCAL PURCHASE	0N8A5	V-B-871	BUTTONS, DOD SHADE # 380, CABLE NO 62016, DULL FINISH, SIZE 30 LINE, CONFORMING TO TYPE II, CLASS D, STYLE 26 OF V- B-871.	1
19	XBFZZ	LOCAL PURCHASE	0BM40	MIL-F-21840	FASTENER TAPE: HOOK, CONFORMING TO TYPE I, CI 1, 1 IN, SHADE # 380, OF MIL-F-21840	1
20	XBFZZ	LOCAL PURCHASE	0BM40	MIL-F-21840	FASTENER TAPE. HOOK, CONFORMING TO TYPE I, CI 1, 1- 1/2 IN, SHADE # 380, OF MIL-F- 21840.	1
21	XBFZZ	LOCAL PURCHASE	0BM40	MIL-F-21840	FASTENER TAPE. HOOK, CONFORMING TO TYPE I, CI 1, 2 IN, SHADE # 380, OF MIL-F-21840.	1
22	XBFZZ	LOCAL PURCHASE	0BM40	MIL-F-21840	FASTENER TAPE: PILE, CONFORMING TO TYPE I, CI 1, 1 IN, SHADE # 380, OF MIL-F-21840.	1
23	XBFZZ	LOCAL PURCHASE	0BM40	MIL-F-21840	FASTENER TAPE: PILE, CONFORMING TO TYPE I, CI 1, 1- 1/2 IN, SHADE # 380, OF MIL-F- 21840.	1
24	XBFZZ	LOCAL PURCHASE	0BM40	MIL-F-21840	FASTENER TAPE: PILE, CONFORMING TO TYPE I, CI 1, 2 IN, SHADE # 380, OF MIL-F-21840.	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
25	PAFZZ	5225-00-159-3722	81348	VF106	FASTENER, SLIDE, SLEEVE, INTERLOCKING, 4 3/4 IN, TYPE I, STYLE 7, SIZE MS OF V-F-106 W/OG 106 TAPE.	1
25	XBFZZ	LOCAL PURCHASE	7M434	V-F-106	FASTENER, SLIDE: INTERLOCKING, TYPE IV, STYLE 8, SIZE MS OF V-F- 106 W/OG 106 TAPE.	1
END OF FIGURE						

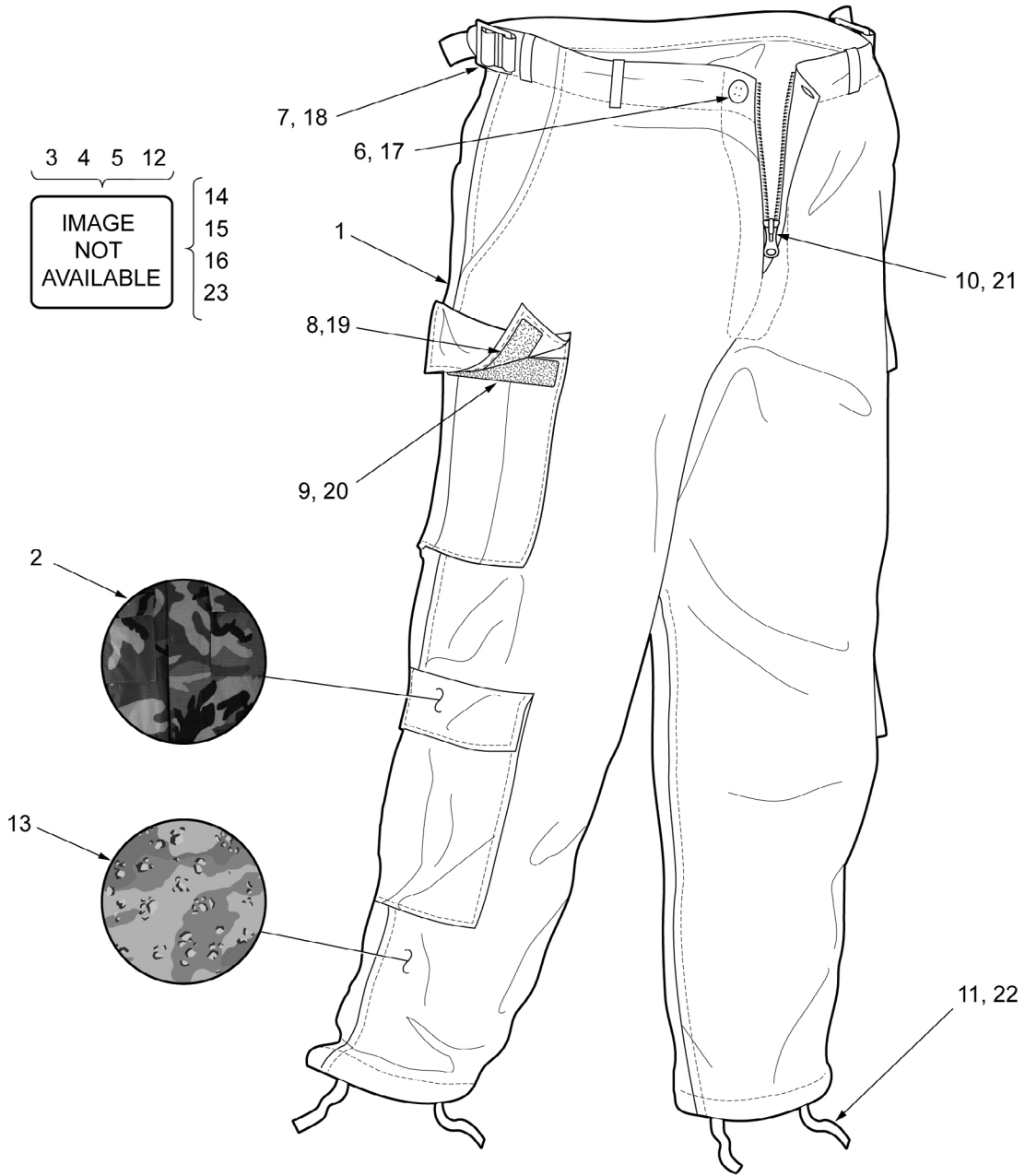


Figure 11. Combat Trousers (Aircrew)/Camouflage Pattern Trousers (BDU).

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 07						
FIG. 11 COMBAT TROUSERS (AIRCREW)/CAMOUFLAGE PATTERN TROUSERS (BDU)						
1	PAFFF	8415-01-345-5219	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, X-SMALL SHORT, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5220	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, X-SMALL REGULAR, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5221	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, X-SMALL LONG, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5222	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, SMALL SHORT, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5223	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, SMALL REGULAR, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5224	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, SMALL LONG, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5225	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, MEDIUM SHORT, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5226	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, MEDIUM REGULAR, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5227	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, MEDIUM LONG, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5228	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, LARGE SHORT, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5229	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, LARGE REGULAR, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5230	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, LARGE LONG, WOODLAND CAMOUFLAGE	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
1	PAFFF	8415-01-345-5231	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, X-LARGE SHORT, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5232	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, X-LARGE REGULAR, WOODLAND CAMOUFLAGE	1
1	PAFFF	8415-01-345-5233	81349	MIL-T-44372	TROUSERS, COMBAT, AIRCREW, X-LARGE LONG, WOODLAND CAMOUFLAGE	1
2	XBFZZ	8305-01-345-5234	81349	MIL-C-83429	.CLOTH, PLAIN AND BASKET WEAVE, ARAMID, CONFORMING TO TYPE II, CI 5, WOODLAND CAMO #483, OF MIL-C-83429.	1
3	PAFZZ	8310-00-262-0094	58536	A-A-50198A	.THREAD, GIMP, COTTON, BUTTONHOLE: SHADE OD-SL, C.A. 66022, CONFORMING TO SIZE 8, TYPE I OR II OF A-A-50198.	1
4	PAFZZ	8310-00-492-8397	58536	A-A-50195	.THREAD, ARAMID, SHADE # 483, C.A. 66022, CONFORMING TO TYPE I, 60 TEX OF A-A-50195.	1
5	XBFZZ	LOCAL PURCHASE	4V933	MIL-T-44100	.THREAD, PARA-ARAMID, SPUN, INTERMEDIATE MODULUS, SHADE # 483, CONFORMING TO 60 TEX OF MIL-T-44100.	1
6	PAFZZ	8315-00-899-0029	81348	V-B-871	.BUTTONS, DOD SHADE BP # 483, CABLE NO. 62016, DULL FINISH, SIZE 30 LINE, CONFORMS TO TYPE II, CLASS D, STYLE 26 OF V-B-871.	1
7	PAFZZ	5340-00-157-7987	81349	MILB543TY2STY LE3CLASS3SIZE 5-8	.BUCKLES, ADJUSTMENT STRAP: CONFORM TO TYPE II, STYLE 3, CLASS 3 OF MIL-B-543	1
8	PAFZZ	8315-00-151-6480	58536	A-A-55126	.FASTENER TAPE: HOOK, CONFORMING TO TYPE I, CI 1, 1 IN, SHADE OG-1 06, OF MIL-F-21840.	1
9	PAFZZ	8315-00-151-6484	58536	A-A-55126	.FASTENER TAPE: PILE, CONFORMING TO TYPE I, CI 1, 1 IN, SHADE OG-106, OF MIL-F-21840.	1
10	PAFZZ	5325-01-273-2341	81348	V-F-106	.FASTENER, SLIDE. INTERLOCKING, TYPE I, STYLE 3, SIZE MS OF V-F-106 W/OG 106 TAPE.	
10	PAFZZ	5325-01-273-1705	81348	V-F-106	.FASTENER, SLIDE. INTERLOCKING	

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
10	PAFZZ	5325-01-272-6584	81348	V-F-106	.FASTENER, SLIDE. INTERLOCKING	
10	PAFZZ	5325-01-274-3313	81348	V-F-106	.FASTENER, SLIDE. INTERLOCKING	
10	PAFZZ	5325-01-274-3314	81348	V-F-106	.FASTENER, SLIDE. INTERLOCKING	
11	PAFZZ	8305-00-406-3496	81349	MIL-DTL-43685C	.WEBBING, CONFORMING TO TYPE I OF MIL-W-43685	1
12	PAFZZ	8315-00-405-2298			.TAPE, ARAMID, CONFORMING TO MIL-T-43709 (1/4" WIDTH).	1
13	PAFFF	8415-01-328-8270	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, X-SMALL REGULAR, TAN	1
13	PAFFF	8415-01-328-8271	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, X-SMALL LONG, TAN	1
13	PAFFF	8415-01-328-8272	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, SMALL SHORT, TAN	1
13	PAFFF	8415-01-328-8273	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, SMALL REGULAR, TAN	1
13	PAFFF	8415-01-328-8274	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, SMALL LONG, TAN	1
13	PAFFF	8415-01-328-8275	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, MEDIUM SHORT, TAN	1
13	PAFFF	8415-01-328-8276	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, MEDIUM REGULAR, TAN	1
13	PAFFF	8415-01-328-8277	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, MEDIUM LONG, TAN	1
13	PAFFF	8415-01-328-8278	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, LARGE SHORT, TAN	1
13	PAFFF	8415-01-328-8279	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, LARGE REGULAR, TAN	1
13	PAFFF	8415-01-328-8280	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, LARGE LONG, TAN	1
13	PAFFF	8415-01-328-8281	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, X-LARGE SHORT, TAN	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
13	PAFFF	8415-01-328-8282	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, X-LARGE REGULAR, TAN	1
13	PAFFF	8415-01-328-8283	81349	MIL-T-44372	TROUSERS, CAMOUFLAGE PATTERN, BDU, X-LARGE LONG, TAN	1
13	XBFZZ	8305-00-000-0171	81349	MIL-C-83429	.CLOTH, PLAIN AND BASKET WEAVE, ARAMID, CONFORMING TO TYPE II, CI 6, DESERT TAN # 380, OF MIL-C-83429.	1
14	XBFZZ	LOCAL PURCHASE	3A2E6	A-A-50198	.THREAD, GIMP, COTTON, BUTTONHOLE: SHADE #380, C.A. 66022, CONFORMING TO SIZE 8, TYPE I OR II OF A-A-50198.	1
15	XBFZZ	LOCAL PURCHASE	4V933	A-A-50195	.THREAD, ARAMID, SHADE # 380, C.A 66022, CONFORMING TO TYPE I, 60 TEX OF A-A-50195.	1
16	XDFZZ	LOCAL PURCHASE	4V933	MIL-T-44100	.THREAD, PARA-ARAMID, SPUN, INTERMEDIATE MODULUS, SHADE # 380, CONFORMING TO 60 TEX OF MIL-T-44100. SOURCE: ATLANTIC THREAD CO., PO BOX 11395, BALTIMORE, MD 21239.	1
17	XBFZZ	LOCAL PURCHASE	0N8A5	V-B-871	.BUTTONS, DOD SHADE # 380, CABLE NO. 62016, DULL FINISH, SIZE 30 LINE, CONFORMS TO TYPE II, CLASS D, STYLE 26 OF V-B-871.	1
18	PAFZZ	5340-00-157-7987	81349	MILB543TY2STY LE3CLASS3SIZE 5-8	.BUCKLES, ADJUSTMENT STRAP: CONFORM TO TYPE II, STYLE 3, CLASS 3 OF MIL-B-543	1
19	XBFZZ	LOCAL PURCHASE	0BM40	MIL-F-21840	.FASTENER TAPE: HOOK, CONFORMING TO TYPE I, CI 1, 1 IN, SHADE # 380, OF MIL-F-21840.	1
20	XBFZZ	LOCAL PURCHASE	0BM40	MIL-F-21840	.FASTENER TAPE: PILE, CONFORMING TO TYPE I, CI 1, 1 IN, SHADE # 380, OF MIL-F-21840.	1
21	XDFZZ	LOCAL PURCHASE	0BM40	V-F-106	.FASTENER, SLIDE, INTERLOCKING, TYPE I, STYLE 3, SIZE MS OF V-F-106 W/OG 106 TAPE.	1
21	PAFZZ	5325-01-273-2341	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING,	
21	PAFZZ	5325-01-273-1705	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING,	

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
21	PAFZZ	5325-01-272-6584	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING,	
21	PAFZZ	5325-01-274-3313	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING,	
21	PAFZZ	5325-01-274-3314	81348	V-F-106	.FASTENER, SLIDE, INTERLOCKING,	
22	PAFZZ	8305-00-406-3496	81349	MIL-DTL-43685C	.WEBBING, CONFORMING TO TYPE I OF MIL-W-43685	1
23	PAFZZ	8315-00-405-2298	81349	MIL-T-43709	.TAPE, ARAMID, CONFORMING TO MIL-T-43709 (1/4" WIDTH).	1
END OF FIGURE						

PARTS INFORMATION
COLD WEATHER PARKA (ECWCS GEN I)
COLD WEATHER TROUSERS (ECWCS GEN I)

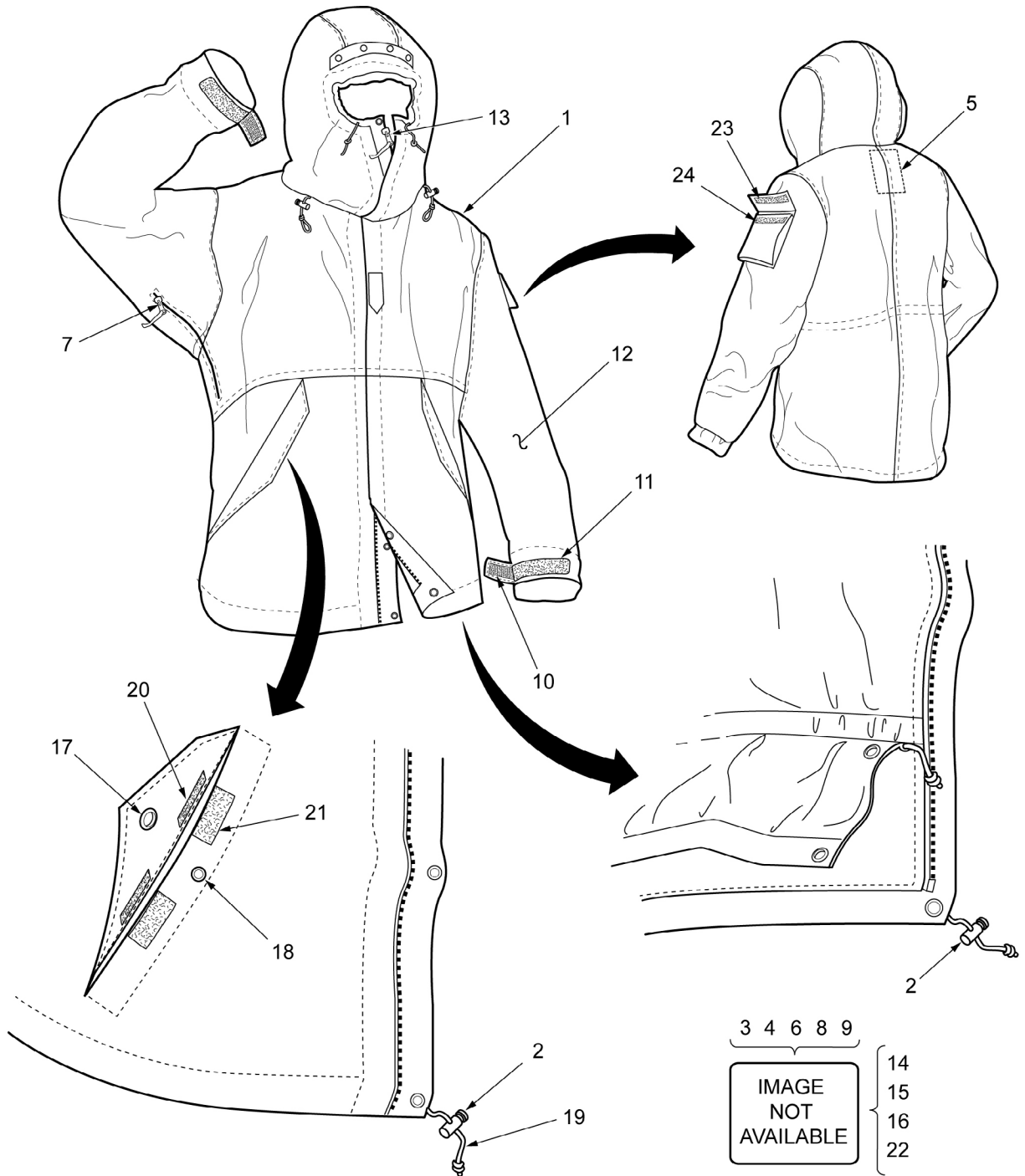


Figure 12. Cold Weather Parka (ECWCS Gen I).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 08 FIG. 12 COLD WEATHER PARKA (ECWCS GEN I)						
1	PAFFF	8415-01-228-1306	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE X-SMALL X-SHORT	1
1	PAFFF	8415-01-228-1307	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE X-SMALL SHORT	1
1	PAFFF	8415-01-228-1308	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE X-SMALL REGULAR	1
1	PAFFF	8415-01-228-1309	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE X-SMALL LONG	1
1	PAFFF	8415-01-228-1310	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE SMALL X-SHORT	1
1	PAFFF	8415-01-228-1311	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE SMALL SHORT	1
1	PAFFF	8415-01-228-1312	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE SMALL REGULAR	1
1	PAFFF	8415-01-228-1313	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE SMALL LONG	1
1	PAFFF	8415-01-228-1314	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE MEDIUM X-SHORT	1
1	PAFFF	8415-01-228-1315	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE MEDIUM SHORT	1
1	PAFFF	8415-01-228-1316	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE MEDIUM REGULAR	1
1	PAFFF	8415-01-228-1317	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-228-1318	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE LARGE SHORT	1
1	PAFFF	8415-01-228-1319	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE LARGE REGULAR	1
1	PAFFF	8415-01-228-1320	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE LARGE LONG	1
1	PAFFF	8415-01-228-1321	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE X-LARGE REGULAR	1
1	PAFFF	8415-01-228-1322	81349	MIL-P-44188	PARKA, COLD WEATHER, ECWCS GEN I, SIZE X-LARGE LONG	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
2	XBFZZ	LOCAL PURCHASE	02768	(BBL) BLACK DELTRIN	.BARREL LOCK; BLACK,	1
3	XBFZZ	LOCAL PURCHASE	81349	MIL-T-2283	.TAPE, TEXTILE, NYLON WOVEN; OLIVE DRAB 7, 1/2 INCH WIDE, CONFORMING TO MIL-T-2283	1
4	XXBFZZ	LOCAL PURCHASE	81349	MIL-T-2283	.TAPE, TEXTILE, NYLON WOVEN; BLACK, 1/2 INCH WIDE, CONFORMING TO MIL-T- 2283.	1
5	XBFZZ	LOCAL PURCHASE	4VXT9	DDD-L-20	.LABEL: FOR CLOTHING EQUIPAGE AND TENTAGE (GENERAL USE) CLASS 1 IDENTIFICATION LABEL CLASS 2 SIZE LABEL AND CLASS 3 INSTRUCTION LABEL MEDIUM GREEN, C.A. 70034, 70130, OR 70131 CONFORMING TO TYPE VI OF DDD-L 20.	1
6	XBFZZ	LOCAL PURCHASE	1U7L5	HIK 016 GT	.TAPE, SEAM SEALING; 1 _1/16 INCH WIDE STRIPS, OLIVE GREEN 106 LAMINATED CLOTH FABRICATED IN LAYERS AS FOLLOWS: NYLON 6.6 TRICOT WEIGHING 1.5 ±0.3 OZ/YD.2 THE MIDDLE LAYER OF MICROPOROUS EXPANDED POLYTETRAFLUOROETHYLENE FILM WEIGHING 0.6 + 0.2 OR - 0.1 OZ/YD.2 ADHESIVE THERMOPLASTIC NOT LESS THAN 5.4 MILS THICK.	1
7	XBFZZ	LOCAL PURCHASE	7M434	V-F-106	.FASTENER, SLIDE, UNDERARM TYPE 1, STYLE 6, SIZE MS BLACK, BLACK TAPE, NYLON OR POLYESTER CONTINUOUS COIL OR LADDER TYPE CONFIGURATION CONFORMING TO V-F- 106. LENGTHS CORRESPONDING TO THE PARKA SIZE INDICATED IN WP 0015.	1
8	PAFZZ	8315-00-253-6288	81349	MIL-T-2283	.TAPE, TEXTILE, COTTON GENERAL PURPOSE; THROG PULLS, OLIVE DRAB 7, 1/2 INCH CONFORMING TO MIL-T-2283.	1
9	PAFZZ	8315-00-253-6288	81349	MIL-T-2283	.TAPE, TEXTILE, COTTON GENERAL PURPOSE; THROG PULLS, OLIVE DRAB 7, 1/2 INCH CONFORMING TO MIL-T-2283.	1
10	PAFZZ	8315-00-448-5663	81348	A-A-55126	.FASTENER TAPE, HOOK, NYLON SYNTHETIC; OLIVE GREEN 106 1 1/2 INCH WIDE, TYPE II, CLASS 1 OF A-A- 55126	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
11	PAFZZ	8315-00-009-0246	58536	A-A-55126	.FASTENER TAPE, PILE, NYLON SYNTHETIC; OLIVE GREEN 10611 1/2 INCH WIDE, TYPE II, CLASS 1 OF A-A-55126	1
12	XBFZZ	1U7L5	81349	MIL-C-44187	.CLOTH, LAMINATED; WATERPROOF AND MOISTURE-VAPOR PERMEABLE. 56 INCH WIDE CONFORMING TO MIL-C-44187	1
13	XBFZZ	LOCAL PURCHASE	81349	V-F-106	.FASTENER, SLIDE, FRONT ENTRY; TYPE IV, STYLE 8 SIZE MH, BLACK TAPE INDIVIDUAL ELEMENT MOLDED BLACK PLASTIC WITH TWO SLIDERS ENABLING TWO-WAY OPENING CONFORMING TO V-F-106. LENGTHS CORRESPONDING TO THE PARKA SIZES IN WP 0015.	1
14	XBFZZ	LOCAL PURCHASE	81349	MIL-C-44157	.CLOTH, PLAIN WEAVE, POLYESTER COTTON, OLIVE GREEN 106, MINIMUM 45 INCH WIDE CONFORMING TO MIL-C-44157. SOURCE: SITEX INC. 215 W. 40TH STREET NEW YORK, NY 10018	1
15	XBFZZ	LOCAL PURCHASE	81349	MIL-C-21852	.CLOTH, TAFFETA, NYLON, OLIVE GREEN 106, MINIMUM 45 INCH WIDE, CONFORMING TO TYPE III OF MIL-C-21852. SOURCE: H. LANDAU 210 CONSHOHOKEN ROAD BALA CYNWYD, PA 19004	1
16	PAFZZ	8305-00-965-4816	81348	JJ-W-155	.WEBBING, TEXTILE (COTTON ELASTIC) 7/8 INCH UNBLEACHED COTTON, TYPE, CLASS 5, CONFORMING TO JJ-W-155	1
17	PAFZZ	5325-01-016-8349	81349	MIL-E-20652/1	.FASTENER, SNAP; STUD AND POST PARTS STYLE 2A FINISH 2, CONSISTING OF STUD SIZE 1 OR 2 CONFORMING TO MIL-F-10884	1
18	PAFZZ	5325-01-016-8349	81349	M20652/1-ABE131	.FASTENER, SNAP; STUD AND POST PARTS STYLE 2A FINISH 2, CONSISTING OF EYELET SIZE 1 OR 2 CONFORMING TO MIL-F-10884	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
19	XBFZZ	LOCAL PURCHASE	02291	MIL-C-43701	.CORD, ELASTIC, NYLON 3/16 INCH DIAMETER, RUBBER ELASTIC (MULTI STRAND) W/BRAIDED NYLON COVERING OLIVE DRAB 107, CONFORMING TO TYPE II OF MIL-C-43701 LENGTH IN ACCORDANCE WITH WP 0015. SOURCE: HOPE WEBBING CO. PO BOX 6387 PROVIDENCE, R.I. 02940	1
20	PAFZZ	8315-01-010-7203	58536	A-A-55126	.FASTENER TAPE, HOOK, NYLON SYNTHETIC, OLIVE GREEN 106 TYPE II, CLASS 1 OF A-A-55126, 5/8 INCH WIDE	1
21	PAFZZ	8315-01-010-7204	58536	A-A-55126	.FASTENER TAPE, PILE, NYLON SYNTHETIC, OLIVE GREEN 106 TYPE II, CLASS OF A-A-55126, 5/8 INCH WIDE	1
22	PAFZZ	8315-00-988-1299	81348	V-T-285	.THREAD POLYESTER, SIZE B 2 OR 3 PLY, SHADE S-1, C.A. 66022 TYPE 1, CLASS 1 SUBCLASS B, CONFORMING TO V-T-285	1
23	PAFZZ	8315-00-151-6480	58536	A-A-55126	.FASTENER TAPE, HOOK, NYLON SYNTHETIC; OLIVE GREEN 1061 INCH WIDE, TYPE 1, CLASS 1 OF A-A-55126	1
24	PAFZZ	8315-00-151-6484	58536	A-A-55126	.FASTENER TAPE, PILE, NYLON SYNTHETIC; OLIVE GREEN 1061 INCH WIDE, TYPE 1, CLASS 1 OF A-A-55126	1
END OF FIGURE						

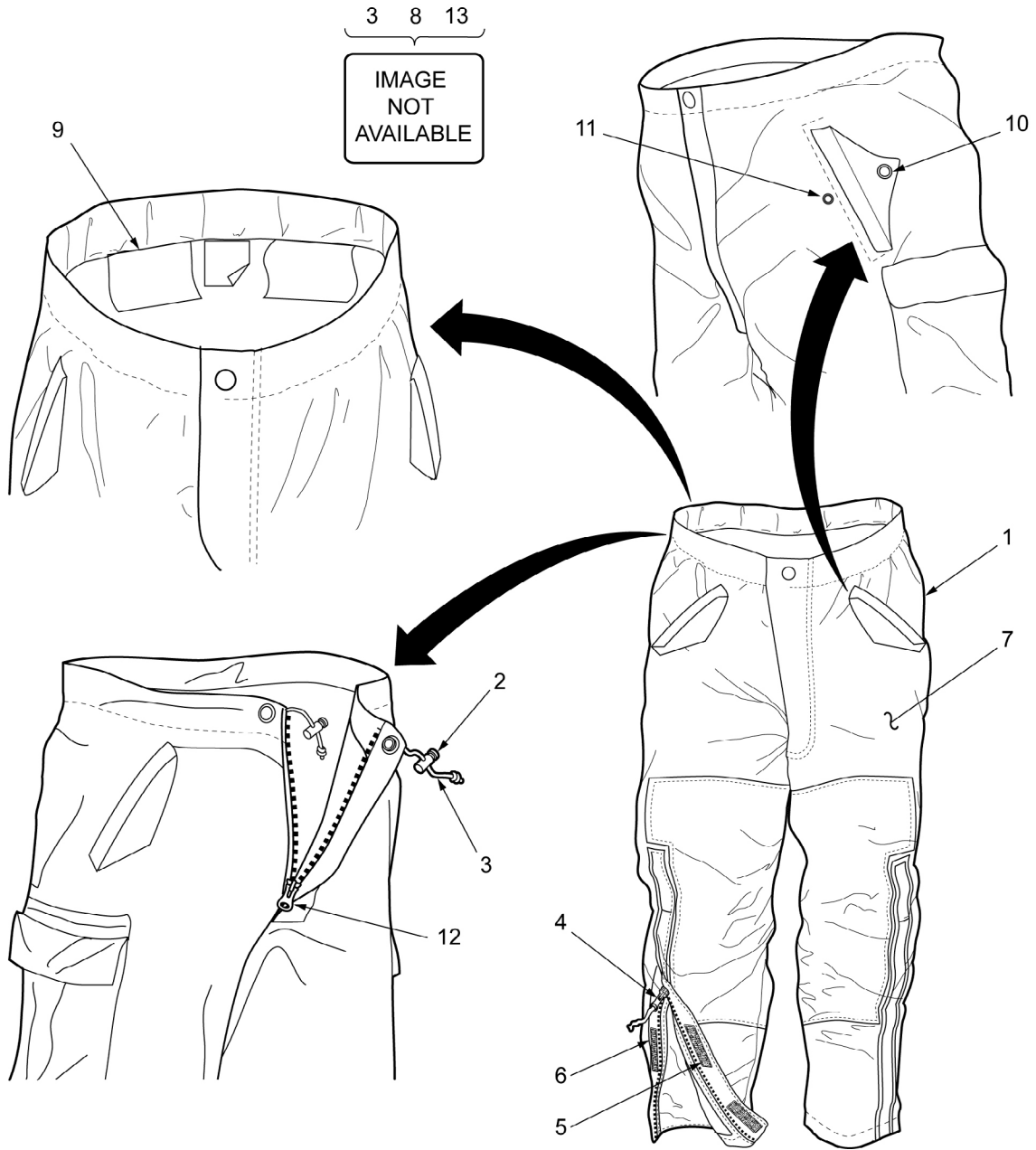


Figure 13. Cold Weather Trousers (ECWCS Gen I).

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 08						
FIG. 13 COLD WEATHER TROUSERS						
(ECWCS GEN I)						
1	PAFFF	8415-01-228-1336	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE X-SMALL X-SHORT	1
1	PAFFF	8415-01-228-1337	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE X-SMALL SHORT	1
1	PAFFF	8415-01-228-1338	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE X-SMALL REGULAR	1
1	PAFFF	8415-01-228-1339	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE X-SMALL LONG	1
1	PAFFF	8415-01-228-1340	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE SMALL X-SHORT	1
1	PAFFF	8415-01-228-1341	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE SMALL SHORT	1
1	PAFFF	8415-01-228-1342	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE SMALL REGULAR	1
1	PAFFF	8415-01-228-1343	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE SMALL LONG	1
1	PAFFF	8415-01-228-1344	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE MEDIUM X-SHORT	1
1	PAFFF	8415-01-228-1345	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE MEDIUM SHORT	1
1	PAFFF	8414-01-228-1346	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE MEDIUM REGULAR	1
1	PAFFF	8415-01-228-1347	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-228-1348	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE LARGE SHORT	1
1	PAFFF	8415-01-228-1349	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE LARGE REGULAR	1
1	PAFFF	8415-01-228-1350	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE LARGE LONG	1
1	PAFFF	8415-01-228-1351	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE X-LARGE REGULAR	1
1	PAFFF	8415-01-228-1352	81349	MIL-T-44189	TROUSER, COLD WEATHER, ECWCS GEN I, SIZE X-LARGE LONG	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
2	PAFZZ		02768	(BBL) BLACK DELRIN	BARREL LOCK; BLACK,	1
3	XBFZZ	LOCAL PURCHASE	02291	MIL-C-43701	CORD, ELASTIC, NYLON 3/16 INCH DIAMETER, RUBBER ELASTIC (MULTI STRAND) W/BRAIDED NYLON COVERING OLIVE DRAB 107, CONFORMING TO TYPE II OF MIL-C-43701 LENGTH IAW WP 0015.	YD
4	XBFZZ	LOCAL PURCHASE	7M434	V-F-106	FASTENER, SLIDE, INTERLOCKING; BLACK TYPE I STYLE 3, SIZE MS, NYLON OR POLYESTER CONTINUOUS COIL OR LADDER CONFIGURATION, WITH THONG. BLACK TAPE 17 INCHES, (43.30 CM) CONFORMING TO V-F-106.	
5	PAFZZ	8315-00-448-5663	58536	A-A-55126	FASTENER TAPE, HOOK, NYLON SYNTHETIC; OLIVE GREEN 106 1 1/2 INCH WIDE, TYPE II, CLASS 1 OF A-A-55126	YD
6	PAFZZ	8315-00-448-5664	81349	MIL-F-21840	FASTENER TAPE, PILE NYLON SYNTHETIC, OLIVE GREEN 106, TYPE II 1 1/2 WIDE, CLASS OF MIL-F-21840	YD
7	PAFZZ	8305-00-243-3193	81349	MIL-C-44187	CLOTH, LAMINATED; WATERPROOF AND MOISTURE VAPOR PERMEABLE 56 INCH WIDE CONFORMING TO MIL-C-44187 SOURCE: W.L. GORE ASSOC. 3 BLUEBALL RD., ELKTON, MD 21921	YD
8	XBFZZ	LOCAL PURCHASE	81349	MIL-T-2283	TAPE, TEXTILE, NYLON WOVEN; OLIVE DRAB 7 CONFORMING TO MIL-T-2283	YD
9	XBFZZ	LOCAL PURCHASE	81349	DDD-L-20	LABEL: FOR CLOTHING EQUIPAGE AND TENTAGE (GENERAL USE) IDENTIFICATION, SIZE, AND INSTRUCTION LABEL, KHAKI, C.A. 70188 CONFORMING TO TYPE VI OF DDD-L-20.	EA
10	XBFZZ	LOCAL PURCHASE	81349	MIL-F-10884	FASTENER, SNAP; STUD AND POST PARTS STYLE 2A FINISH 2, CONSISTING OF STUD SIZE 1 OR 2 CONFORMING TO MIL-F-10884	EA

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
11	PAFZZ	5325-01-016-8349	81349	M20652/1-ABE131	FASTENER, SNAP; STUD AND POST PARTS STYLE 2A FINISH 2, CONSISTING OF EYELET SIZE 1 OR 2 CONFORMING TO MIL-F-10884	EA
12	XBFZZ	LOCAL PURCHASE	7M434	V-F-106	FASTENER SLIDE INTERLOCKING; BLACK TYPE 1 STYLE 3, SIZE MS, NYLON OR POLYESTER CONTINUOUS COIL OR LADDER CONFIGURATION, WITH THONG, BLACK TAPE, CONFORMING TO V-F-106 LENGTHS CORRESPONDING TO THE TROUSER SIZES INDICATED IN WP 0015:	EA
13	PAFZZ	8310-01-063-9282	81349	V-T-285	THREAD, POLYESTER, BROWN C.A. 66022, CONFORMING TO TYPE I, CLASS 1, SIZE B, SUBCLASS B, OF V-T-285	CN

END OF FIGURE

**FIELD
PARTS INFORMATION
COLD WEATHER COAT LINER (ECWCS GEN I)
COLD WEATHER TROUSERS LINER (ECWCS GEN I)**

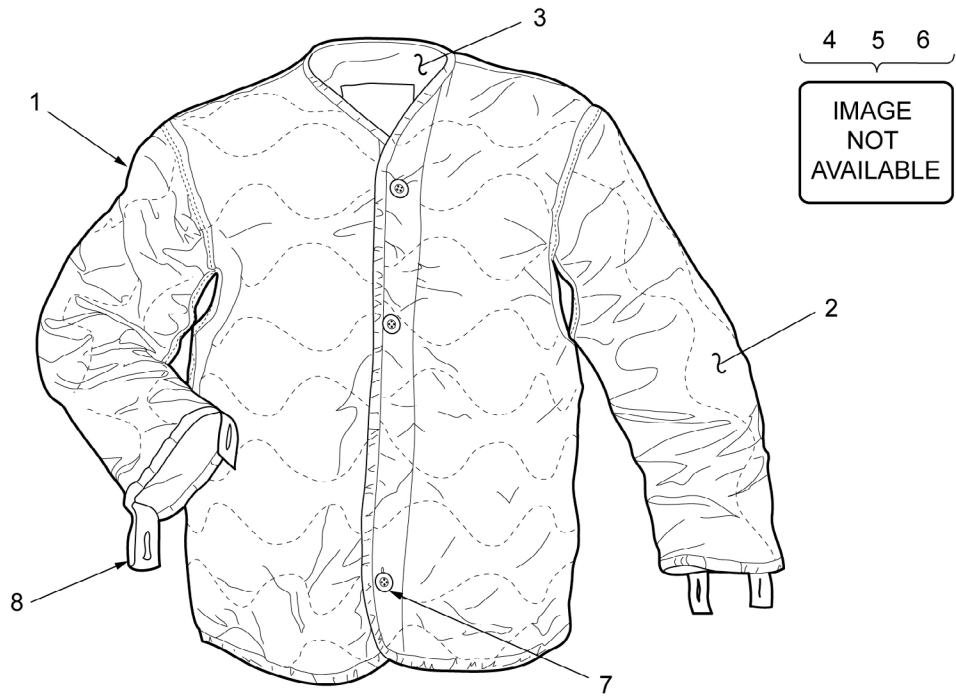


Figure 14. Cold Weather Coat Liner (ECWCS Gen I).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 09						
FIG. 14 COLD WEATHER COAT LINER						
(ECWCS GEN I)						
1	PAFFF	8415-01-062-0679	81349	MIL-L43536	LINER, COLD WEATHER COAT, ECWCS GEN I, SIZE X-SMALL X-SHORT	1
1	PAFFF	8415-00-782-2886	81349	MIL-L43536	LINER, COLD WEATHER COAT, ECWCS GEN I, SIZE X-SMALL	1
1	PAFFF	8415-01-062-0680	81349	MIL-L43536	LINER, COLD WEATHER COAT, ECWCS GEN I, SIZE SMALL X-SHORT	1
1	PAFFF	8415-00-782-2887	81349	MIL-L43536	LINER, COLD WEATHER COAT, ECWCS GEN I, SIZE SMALL	1
1	PAFFF	8415-01-062-0681	81349	MIL-L43536	LINER, COLD WEATHER COAT, ECWCS GEN I, SIZE MEDIUM X-SHORT	1
1	PAFFF	8415-00-782-2888	81349	MIL-L43536	LINER, COLD WEATHER COAT, ECWCS GEN I, SIZE MEDIUM	1
1	PAFFF	8415-00-782-2889	81349	MIL-L43536	LINER, COLD WEATHER COAT, ECWCS GEN I, SIZE LARGE	1
1	PAFFF	8415-00-782-2890	81349	MIL-L43536	LINER, COLD WEATHER COAT, ECWCS GEN I, SIZE X-LARGE	1
2	PAFZZ	8320-01-147-2086	81349	MIL-B-41826	BATTING, QUILTED POLYESTER, TYPE VIII, COVER A, STYLE A, CLASS 9 OF MIL-B-41826	1
3	PAFZZ	8305-00-261-8140	81349	MIL-C-508	CLOTH, OXFORD, NYLON, OLIVE GREEN SHADE 106, MIL-C-508, FOR FACING AND BINDING, YD	1
4	PAFZZ	8310-00-244-0603	81348	A-A-59826	THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 3 PLY, TICKET A, A-A-50199	1
5	PAFZZ	8310-00-244-0602	81348	A-A-59826	THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 2 PLY TICKET B, A-A-50199	1
6	PAFZZ	8310-00-262-0096	81348	A-A-50198	THREAD, COTTON GIMP, OLIVE DRAB SHADE 66022 (S-1), A-A-50198	1
7	PAFZZ	8315-00-899-0029	81348	V-B-871	BUTTON, SEWING HOLE, OLIVE GREEN SHADE 62016 (BP) STYLE 26, B-B-871	1
8	PAFZZ	8315-00-255-7675	81349	MIL-T-6134	TAPE, PRESSURE SENSITIVE ADHESIVE, FOR MENDING NYLON PARACHUTES, TYPE I, 1 IN MIL-T-6134 (81349), MIL-T-43618.	1
END OF FIGURE						

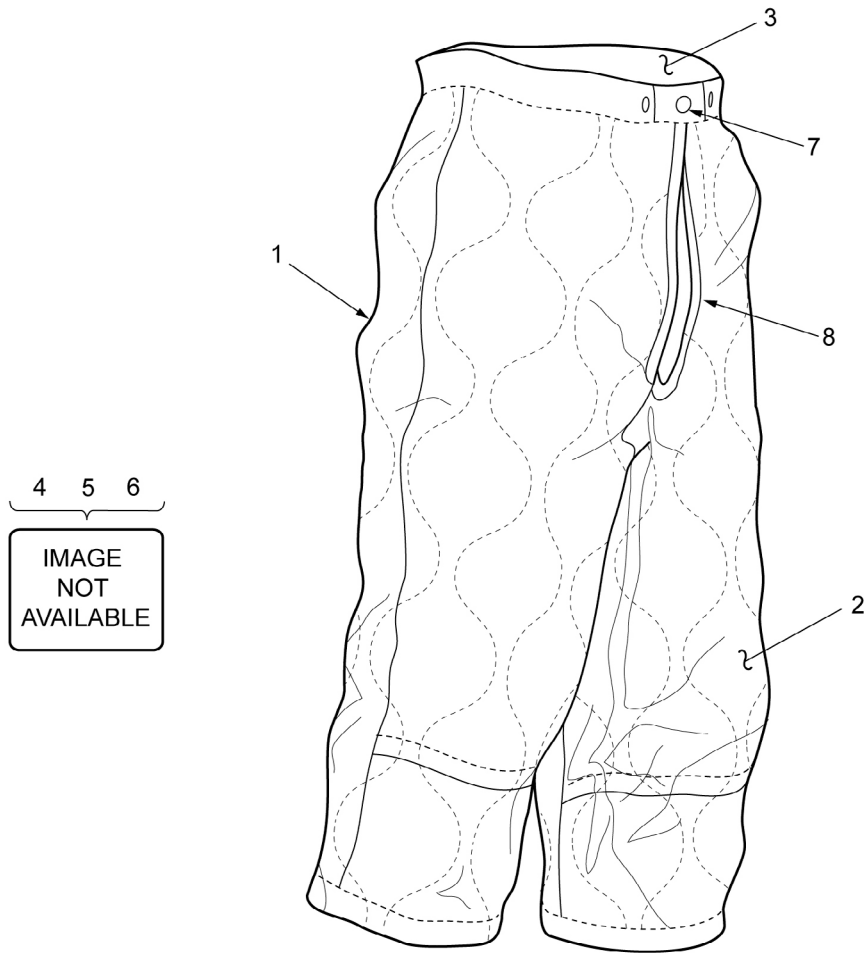


Figure 15. Cold Weather Trousers Liner (ECWCS Gen I).

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 09						
FIG. 15 COLD WEATHER TROUSER LINERS (ECWCS GEN I)						
1	PAFFF	8415-01-180-0370	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, FIELD, ECWCS GEN I, SIZE X-SMALL SHORT AND REGULAR	1
1	PAFFF	8415-01-180-0371	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, FIELD, ECWCS GEN I, SIZE SMALL SHORT AND REGULAR	1
1	PAFFF	8415-01-180-0372	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, FIELD, ECWCS GEN I, SIZE SMALL LONG	1
1	PAFFF	8415-01-180-0373	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, FIELD, ECWCS GEN I, SIZE MEDIUM SHORT AND REGULAR	1
1	PAFFF	8415-01-180-0374	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, FIELD, ECWCS GEN I, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-180-0375	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, FIELD, ECWCS GEN I, SIZE LARGE SHORT AND REGULAR	1
1	PAFFF	8415-01-180-0376	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, FIELD, ECWCS GEN I, SIZE LARGE LONG	1
1	PAFFF	8415-01-180-0377	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, FIELD, ECWCS GEN I, SIZE X-LARGE SHORT AND REGULAR	1
2	PAFZZ	8320-01-147-2086	81349	MIL-B-41826	BATTING, QUILTED POLYESTER, TYPE VIII, COVER A, STYLE A, CLASS 9 OF MIL-B-41826	1
3	PAFZZ	8305-00-261-8140	81349	MIL-C-508	CLOTH, OXFORD, NYLON, OLIVE GREEN SHADE 106, MIL-C-508, FOR FACING AND BINDING	1
4	PAFZZ	8310-00-244-0603	81348	A-A-59826	THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 3 PLY, TICKET A, A-A-50199	1
5	PAFZZ	8310-00-244-0602	81348	A-A-59826	THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 2 PLY TICKET B, A-A-50199	1
6	PAFZZ	8310-00-262-0096	81348	A-A-50198	THREAD, COTTON GIMP, OLIVE DRAB SHADE 66022 (S-1), A-A-50198	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
7	PAFZZ	8315-00-899-0029	81348	V-B-871	BUTTON, SEWING HOLE, OLIVE GREEN SHADE 62016 (BP) STYLE 26, B-B-871	1
8	PAFZZ	8315-00-255-7675	81349	MIL-T-6134	TAPE, PRESSURE SENSITIVE ADHESIVE, FOR MENDING NYLON PARACHUTES, TYPE I, 1 IN MIL-T-6134 (81349), MIL-T-43618.	1
END OF FIGURE						

**FIELD
PARTS INFORMATION
COLD WEATHER SHIRT (ECWCS GEN I POLYESTER FIBERPILE SHIRT)
COLD WEATHER OVERALLS (ECWCS GEN I FIBERPILE BIB OVERALLS)**

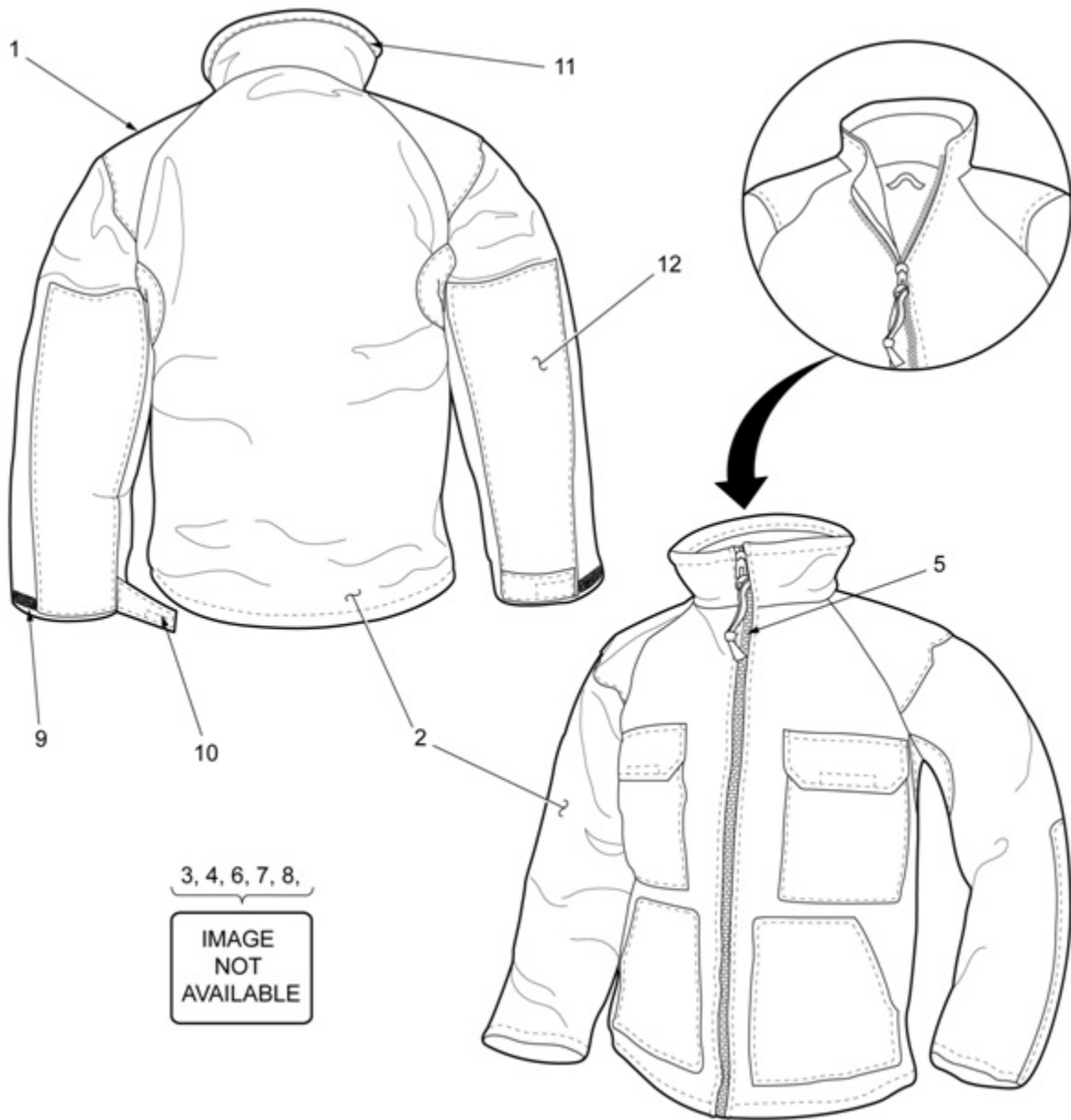


Figure 16. Cold Weather Shirt (ECWCS Gen I Polyester Fiberpile Shirt).

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 10						
FIG. 16 COLD WEATHER POLYESTER FIBERPILE SHIRT (ECWCS GEN I)						
1	PAFFF	8415-01-228-1353	81349	MIL-S-441 63A	SHIRT, COLD WEATHER, POLYESTER FIBERPILE, ECWCS GEN I, SIZE X-SMALL	1
1	PAFFF	8415-01-228-1354	81349	MIL-S-441 63A	SHIRT, COLD WEATHER, POLYESTER FIBERPILE, ECWCS GEN I, SIZE SMALL	1
1	PAFFF	8415-01-228-1355	81349	MIL-S-441 63A	SHIRT, COLD WEATHER, POLYESTER FIBERPILE, ECWCS GEN I, SIZE MEDIUM	1
1	PAFFF	8415-01-228-1356	81349	MIL-S-441 63A	SHIRT, COLD WEATHER, POLYESTER FIBERPILE, ECWCS GEN I, SIZE LARGE	1
1	PAFFF	8415-01-228-1357	81349	MIL-S-441 63A	SHIRT, COLD WEATHER, POLYESTER FIBERPILE, ECWCS GEN I, SIZE X-LARGE	1
2	XBFZZ	LOCAL PURCHASE	81348	MIL-C-44162	CLOTH, PLAIN WEAVE, POLYESTER/COTTON BLACK, 464, MINIMUM 60 INCH WIDE CONFORMING TO MIL-C-44162	1
3	XBFZZ	LOCAL PURCHASE	81348	MIL-T-2283	TAPE, TEXTILE, NYLON, WOVEN, FLAT BLACK, 3/8 INCH CONFORMING TO MIL-T-2283	1
4	PAFZZ	8315-00-253-6288	81349	MIL-T-43566	TAPE, TEXTILE, COTTON GENERAL PURPOSE; THONG PULLS, OLIVE DRAB 7, CONFORMING TO MIL-T-43566	1
5	XBFZZ	LOCAL PURCHASE	81349	V-F-106	FASTENER, SLIDE, INTERLOCKING; TYPE IV, STYLE 8, SIZE M, BLACK POLYESTER OR NYLON CONTINUOUS ELEMENT COIL OR LADDER CONFIGURATION WITH LONG TAB PULL AND THONG. BLACK TAPE CONFORMING TO V-F-106 LENGTHS CORRESPONDING TO THE SHIRT SIZES INDICATED IN WP 0017	1
6	XBFZZ	LOCAL PURCHASE	02768	(BBL) BLACK DEIRIN	BARREL LOCK; BLACK, ITW NEXUS BARRELOC, OR EQUIV.	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
7	XBFZZ	LOCAL PURCHASE	81349	MIL-C-43701	CORD, ELASTIC, NYLON 3/16 INCH DIAMETER, RUBBER ELASTIC (MULTI-STRAND) W/BRAIDED NYLON COVERING OLIVE DRAB 107, CONFORMS TO TYPE II OF MIL-C-43701 LENGTH IAW WP 0017.	1
8	PAFZZ	5325-01-139-4839	81349	MIL-E-20625	EYELET, METALLIC AND EYELET WASHERS, METALLIC CONFORMING TO M20652/1 -BBE125 OF MIL-E-20625	1
9	PAFZZ	8315-00-935-6762	81349	MIL-F-21840	FASTENER, TAPE, HOOK SYNTHETIC, BLACK, TYPE I CLASS 2, CONFORMING TO MIL-F-21840, 5/8 INCH	1
10	PAFZZ	8315-00-935-6763	81349	MIL-F-21840	FASTENER, TAPE, PILE SYNTHETIC, BLACK, TYPE I CLASS 2, CONFORMS TO MIL-F-21840, 5/8 INCH	1
11	PAFZZ	8310-00-988-1299	81348	V-T-285	THREAD, POLYESTER, SIZE B 2 OR 3 PLY, SHADES S-1 C.A. 66022, CONFORMING TO TYPE I, CLASS 1, SUBCLASS B, OF V-T-285	1
12	XBFZZ		81349	MIL-C-43251	CLOTH, PILE, SYNTHETIC, FIBERPILE; BROWN 463 CLASS 4, MINIMUM 60 INCH WIDE CONFORMS TO MIL-C-43251 SOURCE: BORG TEXTILE CORP. P.O. BOX 657 ROSSVILLE, GA. 30741	1

END OF FIGURE

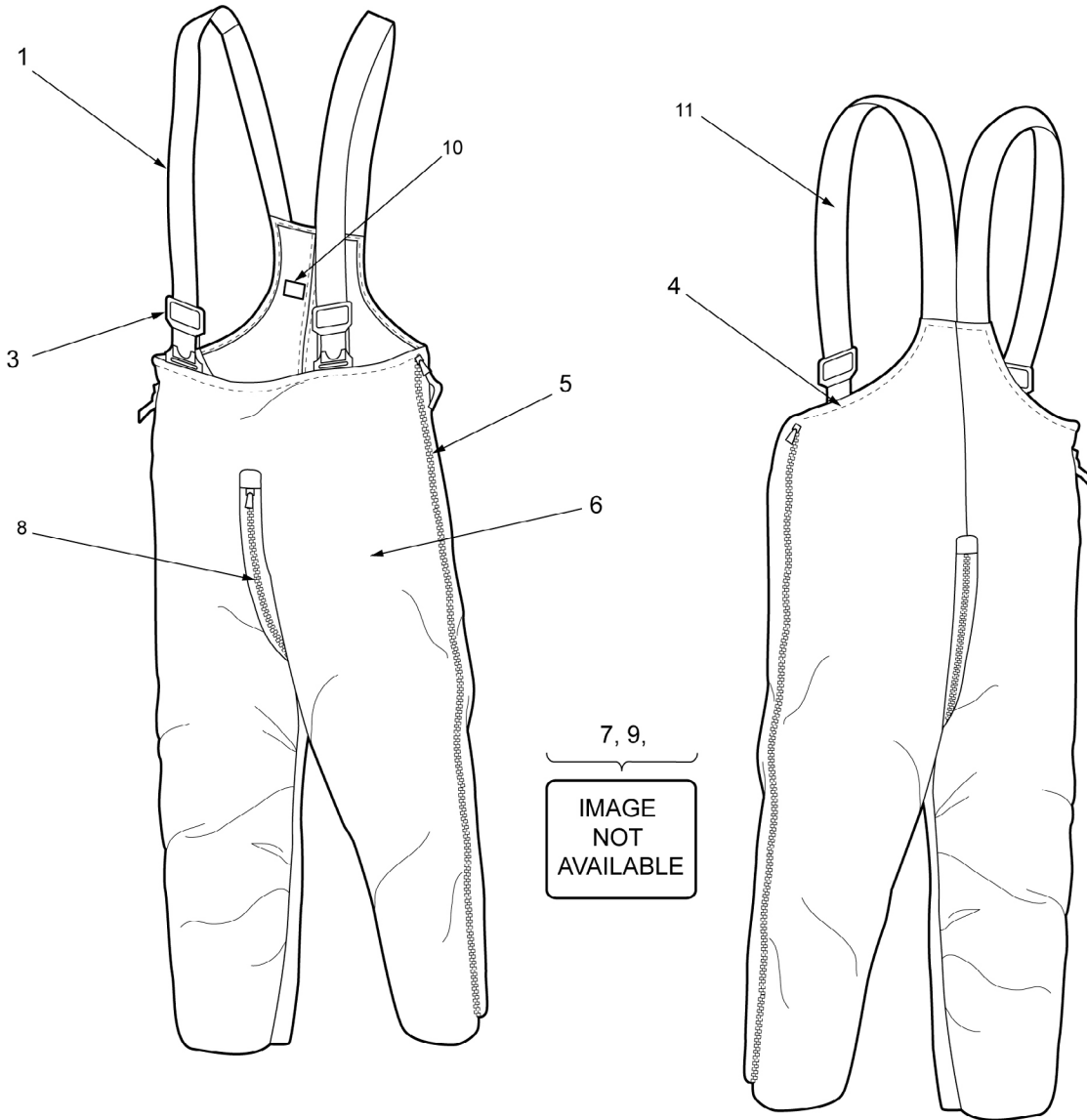


Figure 17. Cold Weather Overalls (ECWCS Gen I Fiberpile Bib Overalls).

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
<p>GROUP 10 FIG. 17 COLD WEATHER FIBERPILE BIB OVERALLS (ECWCS GEN I)</p>						
1	PAFFF	8415-01-228-1323	81349	MIL-0-44191	OVERALLS, COLD WEATHER, FIBERPILE, ECWCS GEN I, SIZE X-SMALL SHORT/REGULAR	1
1	PAFFF	8415-01-228-1324	81349	MIL-0-44191	OVERALLS, COLD WEATHER, FIBERPILE, ECWCS GEN I, SIZE X-SMALL LONG	1
1	PAFFF	8415-01-228-1325	81349	MIL-0-44191	OVERALLS, COLD WEATHER, FIBERPILE, ECWCS GEN I, SIZE SMALL SHORT/REGULAR	1
1	PAFFF	8415-01-228-1326	81349	MIL-0-44191	OVERALLS, COLD WEATHER, FIBERPILE, ECWCS GEN I, SIZE SMALL LONG	1
1	PAFFF	8415-01-228-1327	81349	MIL-0-44191	OVERALLS, COLD WEATHER, FIBERPILE, ECWCS GEN I, SIZE MEDIUM SHORT/REGULAR	1
1	PAFFF	8415-01-228-1328	81349	MIL-0-44191	OVERALLS, COLD WEATHER, FIBERPILE, ECWCS GEN I, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-228-1329	81349	MIL-0-44191	OVERALLS, COLD WEATHER, FIBERPILE, ECWCS GEN I, SIZE LARGE SHORT/REGULAR	1
1	PAFFF	8415-01-228-1330	81349	MIL-0-44191	OVERALLS, COLD WEATHER, FIBERPILE, ECWCS GEN I, SIZE LARGE LONG	1
1	PAFFF	8415-01-228-1331	81349	MIL-0-44191	OVERALLS, COLD WEATHER, FIBERPILE, ECWCS GEN I, SIZE X-LARGE SHORT/REGULAR	1
1	PAFFF	8415-01-228-1332	81349	MIL-0-44191	OVERALLS, COLD WEATHER, FIBERPILE, ECWCS GEN I, SIZE X-LARGE LONG	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
2	XBFZZ	LOCAL PURCHASE	81348	MIL-T-2283	TAPE, TEXTILE, NYLON WOVEN, FLAT BLACK, ½ INCH WIDE, CONFORMING TO MIL-T-2283	1
3	XBFZZ	LOCAL PURCHASE	02768	SF/2" 5050	FASTENER, SUSPENDER; BLACK, 2 INCHES, QUICK RELEASE MODEL, ITW NEXUS SF, PN SF/2" 5050 OR EQUIVALENT	1
4	PAFZZ	8310-01-063-9282	81348	V-T-285	THREAD, POLYESTER, BROWN C.A. 66069, CONFORMING TO TYPE I, CLASS 1, SUBCLASS A, SIZE B OR V-T-285	CN
5	XBFZZ	LOCAL PURCHASE	81349	V-F-106	FASTENER, SLIDE, INTERLOCKING: TYPE 1, STYLE 19 SIZE MS, BLACK, NYLON OR POLYESTER CONTINUOUS COIL OR LADDER, LENGTH 22 1/2 INCH (57.20 CM) BLACK TYPE CONFORMING TO V-F-106	EA
6	XBFZZ	LOCAL PURCHASE	81349	MIL-C-43251	CLOTH, PILE, SYNTHETIC FIBERPILE; BROWN 463 CLASS 4, MINIMUM WIDTH 60 INCHES, CONFORMING TO MIL-C-43251	YD
7	XBFZZ	LOCAL PURCHASE	81349	MIL-W-4088	WEBBING, TEXTILE, WOVEN NYLON; 1 ¼ INCHES WIDE BLACK, TYPE III, CLASS 2 CONFORMING TO MIL-W-4088	YD
8	XBFZZ	LOCAL PURCHASE	81349	V-F-106	FASTENER, SLIDE, INTERLOCKING; TYPE IV, STYLE 8 SIZE MS, INDIVIDUAL ELEMENT MOLDED PLASTIC BLACK WITH BLACK THONG EQUIPPED WITH TWO SINGLE PULL SLIDERS MOUTH TO MOUTH ARRANGEMENT, ENABLING TWO-WAY OPENING. LENGTH 39 1/2 INCH (100.35 CM) CONFORMING TO V-F-106	EA
9	PAFZZ	8305-01-015-9434	81349	MIL-W-4088	WEBBING, TEXTILE, WOVEN NYLON; 1 23/32 INCH WIDE BLACK, TYPE VIII, CLASS 2	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
10	XBFZZ	LOCAL PURCHASE	81348	DDD-L-20	LABEL: FOR CLOTHING EQUIPAGE AND TENTAGE (GENERAL USE) IDENTIFICATION, SIZE, AND INSTRUCTION LABEL, KHAKI, C.A. 70188 CONFORMING TO TYPE VI OF DDD-L-20	1
11	XBFZZ	LOCAL PURCHASE	3EUF9	15034-K-1	SUSPENDERS, SPANDEX FINISH KNIT ELASTIC, 2 INCH WIDE BLACK	1
END OF FIGURE						

FIELD
PARTS INFORMATION
COLD WEATHER UNDERSHIRT AND DRAWERS
(ECWCS GEN I POLYPROPYLENE UNDERSHIRT AND DRAWERS)



Figure 18. Cold Weather Undershirt (ECWCS Gen I Polypropylene Undershirt).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 11						
FIG. 18 COLD WEATHER						
UNDERSHIRT (ECWCS GEN I						
POLYPROPYLENE UNDERSHIRT)						
1	PAFFF	8415-01-227-9547	81349	MIL-U-44164	UNDERSHIRT, COLD WEATHER, , ECWCS GEN I POLYPROPYLENE UNDERSHIRT, SIZE X-SMALL	1
1	PAFFF	8415-01-227-9448	81349	MIL-U-44164	UNDERSHIRT, COLD WEATHER, ECWCS GEN I POLYPROPYLENE UNDERSHIRT, SIZE SMALL	1
1	PAFFF	8415-01-227-9549	81349	MIL-U-44164	UNDERSHIRT, COLD WEATHER, ECWCS GEN I POLYPROPYLENE UNDERSHIRT, SIZE MEDIUM	1
1	PAFFF	8415-01-227-9550	81349	MIL-U-44164	UNDERSHIRT, COLD WEATHER, ECWCS GEN I POLYPROPYLENE UNDERSHIRT, SIZE LARGE	1
1	PAFFF	8415-01-227-9551	81349	MIL-U-44164	UNDERSHIRT, COLD WEATHER, ECWCS GEN I POLYPROPYLENE UNDERSHIRT,SIZE X-LARGE	1
2	XBFZZ	LOCAL PURCHASE			CLOTH, KNITTED, TERRY POLYPROPYLENE SOURCE: PKM INCORPORATED 509 GLENBROOK RD. STAMFORD, CT 06906	1
3	XBFZZ	LOCAL PURCHASE	81349	V-F-106	FASTENER SLIDE. THE SLIDE FASTENER SHALL BE A CONTINUOUS ELEMENT COIL OR LADDER CONFIGURATION AND CONFORM TO TYPE I, STYLE 3, SIZE LS OF VF-106. THE COLOR OF THE SLIDE FASTENER SHALL APPROXIMATE THE COLOR OF THE UNDERSHIRT.	1
END OF FIGURE						

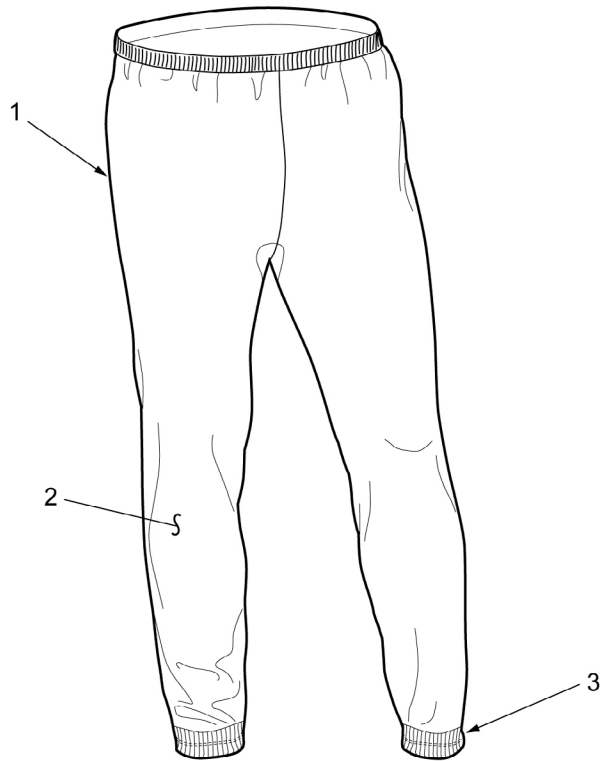


Figure 19. Cold Weather Drawers (ECWCS Gen I Polypropylene Drawers).

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 11 FIG. 19 COLD WEATHER DRAWERS (ECWCS GEN I POLYPROPYLENE DRAWERS)						
1	PAFFF	8415-01-227-9542	81349	MIL-D-44165	DRAWERS, COLD WEATHER, ECWCS GEN I POLYPROPYLENE DRAWERS, SIZE X-SMALL	1
1	PAFFF	8415-01-227-9543	81349	MIL-D-44165	DRAWERS, COLD WEATHER, ECWCS GEN I POLYPROPYLENE DRAWERS, SIZE SMALL	1
1	PAFFF	8415-01-227-9544	81349	MIL-D-44165	DRAWERS, COLD WEATHER, ECWCS GEN I POLYPROPYLENE DRAWERS, SIZE MEDIUM	1
1	PAFFF	8415-01-227-9545	81349	MIL-D-44165	DRAWERS, COLD WEATHER, ECWCS GEN I POLYPROPYLENE DRAWERS, SIZE LARGE	1
1	PAFFF	8415-01-227-9546	81349	MIL-D-44165	DRAWERS, COLD WEATHER, ECWCS GEN I, SIZE X-LARGE	1
2	XBFZZ	LOCAL PURCHASE			CLOTH, KNITTED, TERRY POLYPROPYLENE SOURCE: PKM INCORPORATED 509 GLENBROOK RD. STAMFORD, CT 06906	1
3	XBFZZ	LOCAL PURCHASE			CUFF MATERIAL. THE CLOTH FOR THE CUFFS SHALL BE FROM A 140 DENIER (NOMINAL) MULTIFILAMENT 100% POLYPROPYLENE YARN. SOURCE: PKM INCORPORATED 509 GLENBROOK RD. STAMFORD, CT 06906	1
END OF FIGURE						

FIELD
PARTS INFORMATION
COLD WEATHER PARKA RUFF (ECWCS GEN I PARKA FUR RUFF)
COLD WEATHER HOOD (ECWCS GEN I BALACLAVA HOOD)

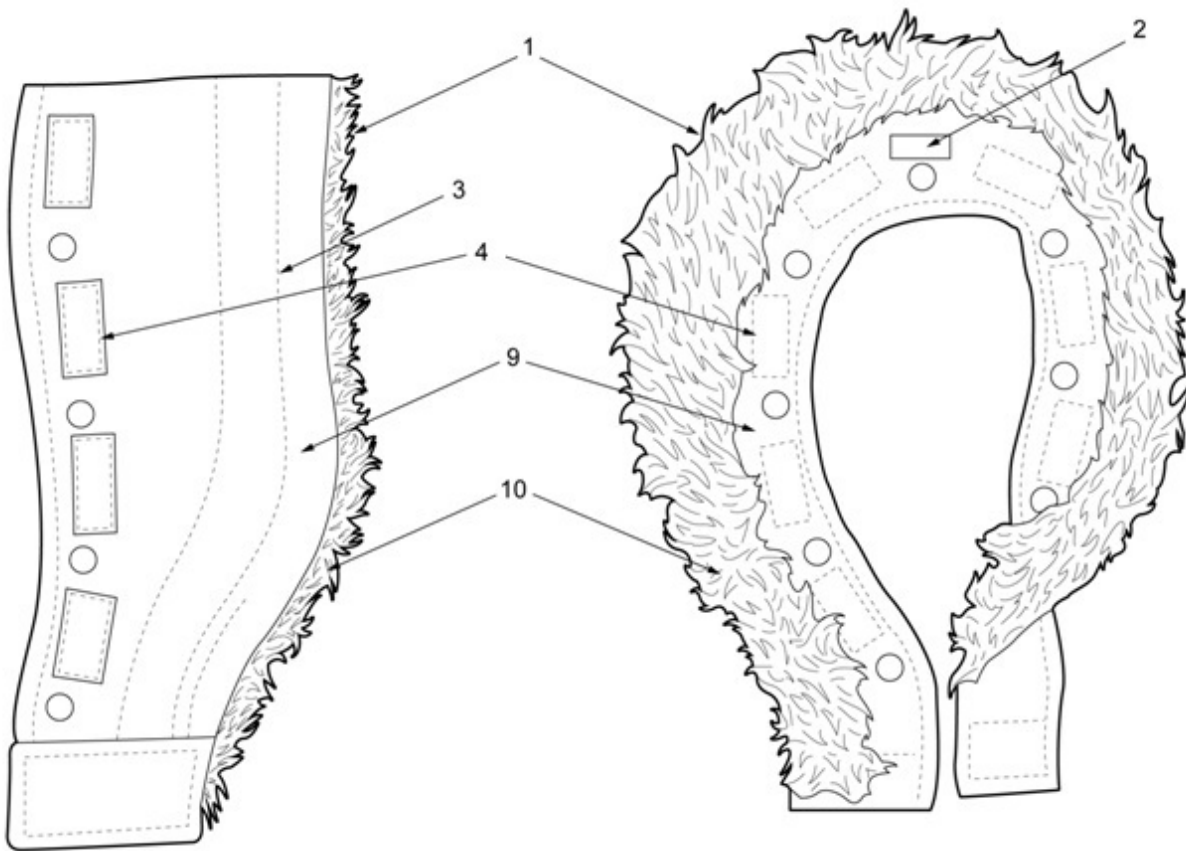


Figure 20. Cold Weather Parka Ruff (ECWCS Gen I Parka Fur Ruff).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 12 FIG. 20 COLD WEATHER PARKA RUFF (ECWCS GEN I PARKA FUR RUFF)						
1	PAFFF	8415-01-315-9765	81349	MIL-R-44354	RUFF, COLD WEATHER PARKA, ECWCS GEN I PARKA FUR RUFF, SIZE X-SMALL	1
1	PAFFF	8415-01-315-9766	81349	MIL-R-44354	RUFF, COLD WEATHER PARKA, ECWCS GEN I PARKA FUR RUFF, SIZE SMALL	1
1	PAFFF	8415-01-315-9767	81349	MIL-R-44354	RUFF, COLD WEATHER PARKA, ECWCS GEN I PARKA FUR RUFF, SIZE MEDIUM	1
1	PAFFF	8415-01-315-9768	81349	MIL-R-44354	RUFF, COLD WEATHER PARKA, ECWCS GEN I PARKA FUR RUFF, SIZE LARGE	1
1	PAFFF	8415-01-315-9769	81349	MIL-R-44354	RUFF, COLD WEATHER PARKA, ECWCS GEN I PARKA FUR RUFF, SIZE X-LARGE	1
2	XBZZ	LOCAL PURCHASE	81349	DDD-L-20	.LABEL: FOR CLOTHING, EQUIPAGE, AND TENTAGE GENERAL PURPOSE, CLASS 3 INSTRUCTION LABEL AND CLASS 4 IDENTIFICATION AND SIZE LABEL. TYPE VI OF DDD-L-20, MEDIUM GREEN, C.A. 70034, 70130 OR 70131 WITH FASTNESS TO LAUNDERING. AS AN ALTERNATIVE, A COMBINATION SIZE AND IDENTIFICATION LABEL CONFORMING TO CLASS 14 OF DDD-L-20.	1
3	PAFZZ	8315-00-988-1299	81348	V-T-285	.THREAD, POLYESTER, SIZE B, 2 OR 3 PLY, SHADE 8-1, C.A. 66022, TYPE I, CLASS 1, SUBCLASS B OF V-T-285	1
4	PAFZZ	8315-01-090-5096	81349	MIL-F-21840	.FASTENER TAPE, 1 INCH HOOK CONFORMING TO TYPE II, CLASS 1 OF MIL-F-21840, OLIVE GREEN 106	1
5	PAFZZ	8315-01-086-9635	81349	MIL-F-21840	.FASTENER TAPE, 2 INCH HOOK CONFORMING TO TYPE II, CLASS 1 OF MIL-F-21840, OLIVE GREEN 106	1
6	PAFZZ	8315-00-498-6631	81349	MIL-F-21840	.FASTENER TAPE, 2 INCH PILE CONFORMING TO TYPE II, CLASS 1 OF MIL-F-21840, OLIVE GREEN 106	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
7	XBFZZ	LOCAL PURCHASE	81349	MIL-F-10884	.SNAP FASTENER, STUD AND POST (MALE) CONFORMING TO STYLE 2A, FINISH 2, MIL-F-10884	1
8	XBFZZ	LOCAL PURCHASE			.COPPER WIRE, NON-INSULATED 0.08 I 0.003 INCH DIAMETER (12 GAUGE) DEAD SOFT AND BRIGHT SOURCE: ELECTRIC SPECIALTY AND SUPPLY ROXBURY, MA (617) 442-6400	1
9	XBFZZ	8305-01-243-3193	81349	MIL-C-44187	.CLOTH, LAMINATED, WATERPROOF AND MOISTURE VAPOR PERMEABLE CONFORMING TO MIL-C-44187	1
10	XBFZZ	LOCAL PURCHASE	81349	MIL-C-43824	.CLOTH, SYNTHETIC FUR, KNITTED, CONFORMING TO MIL-C-43824	1

END OF FIGURE

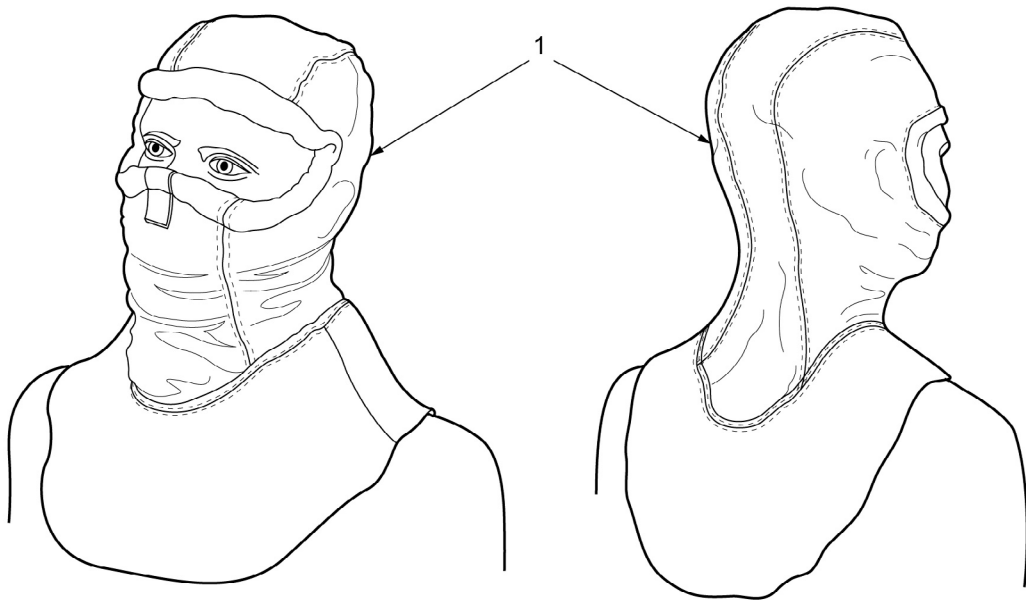


Figure 21. Cold Weather Hood (ECWCS Gen I).

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
					GROUP 12 FIG. 21 COLD WEATHER HOOD (ECWCS GEN I BALACLAVA HOOD)	
1	PAFFF	8415-01-310-0606	58536	A-A-50194	HOOD, COLD WEATHER, ECWCS GEN I BALACLAVA HOOD	EA
					END OF FIGURE	

FIELD
PARTS INFORMATION
EXTREME COLD WEATHER PARKA AND TROUSERS (ECWCS GEN III)



Figure 22. Extreme Cold Weather Parka (ECWCS Gen III).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 13 FIG. 22 EXTREME COLD WEATHER PARKA (ECWCS GEN III)						
1	PAFFF	8415-01-545-8544	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE X-SMALL-SHORT	1
1	PAFFF	8415-01-545-8566	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE X-SMALL-REGULAR	1
1	PAFFF	8415-01-545-8642	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-6278	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE SMALL-REGULAR	1
1	PAFFF	8415-01-545-8661	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-6289	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE MEDIUM-REGULAR	1
1	PAFFF	8415-01-545-8724	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE MEDIUM-LONG	1
1	PAFFF	8415-01-538-6300	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE LARGE-REGULAR	1
1	PAFFF	8415-01-538-6308	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE LARGE-LONG	1
1	PAFFF	8415-01-538-6312	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XLARGE-REGULAR	1
1	PAFFF	8415-01-538-6315	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-545-9542	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XLARGE-X-LONG	1
1	PAFFF	8415-01-545-9579	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XX-LARGE-REGULAR	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-545-9582	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XX-LARGE-LONG	1
1	PAFFF	8415-01-545-9610	81337	GL-PD-06-07	PARKA, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XX-LARGE-X-LONG	1
END OF FIGURE						

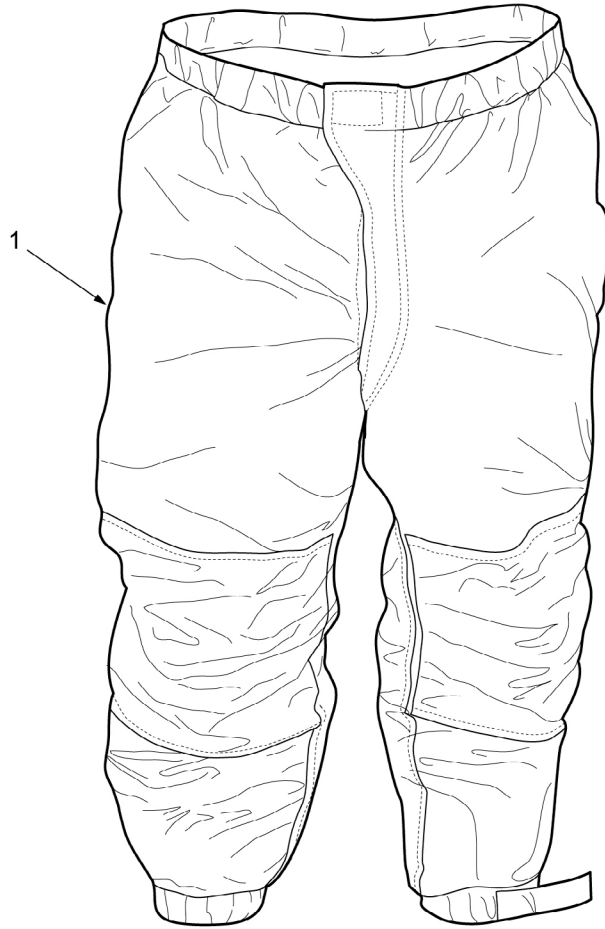


Figure 23. Extreme Cold Weather Trousers (ECWCS Gen III).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 13 FIG. 23 EXTREME COLD WEATHER TROUSERS (ECWCS GEN III)						
1	PAFFF	8415-01-545-9907	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE X-SMALL-SHORT	1
1	PAFFF	8415-01-545-9914	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE X-SMALL-REGULAR	1
1	PAFFF	8415-01-545-9955	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-6720	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE SMAL-REGULAR	1
1	PAFFF	8415-01-545-9958	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-6695	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE MEDIUM-REGULAR	1
1	PAFFF	8415-01-546-0019	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE MEDIUM-LONG	1
1	PAFFF	8415-01-538-6704	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE LARGE-REGULAR	1
1	PAFFF	8415-01-538-6706	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE LARGE-LONG	1
1	PAFFF	8415-01-538-6707	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XLARGE-REGULAR	1
1	PAFFF	8415-01-538-6709	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-546-0040	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XLARGE-X-LONG	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-546-0117	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XX- LARGE-REG	1
1	PAFFF	8415-01-546-0118	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XX- LARGE-LONG	1
1	PAFFF	8415-01-546-0119	81337	GL/PD-06-18	TROUSERS, EXTREME COLD WEATHER, URBAN GREY, ECWCS GEN III, SIZE XX- LARGE-X-LONG	1
END OF FIGURE						

FIELD
PARTS INFORMATION
WET WEATHER JACKET AND TROUSERS
(ECWCS GEN III EXTREME COLD/WET WEATHER JACKET AND TROUSERS)



Figure 24. Wet Weather Jacket (ECWCS Gen III Extreme Cold Wet/Weather Jacket).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 14						
FIG. 24 WET WEATHER JACKET (ECWCS GEN III EXTREME COLD/WET WEATHER JACKET)						
1	PAFFF	8415-01-547-5739	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE X-SMALL-SHORT	1
1	PAFFF	8415-01-547-5741	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE X-SMALL-REGULAR	1
1	PAFFF	8415-01-547-5763	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-7001	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE SMALL-REGULAR	1
1	PAFFF	8415-01-547-5765	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-7012	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE MEDIUM-REGULAR	1
1	PAFFF	8415-01-547-5797	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE MEDIUM-LONG	1
1	PAFFF	8415-01-538-7761	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE LARGE-REGULAR	1
1	PAFFF	8415-01-538-7764	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE LARGE-LONG	1
1	PAFFF	8415-01-538-7767	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE X-LARGE-REGULAR	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-538-7769	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-547-6146	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE XLARGE-X-LONG	1
1	PAFFF	8415-01-547-6224	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE XX-LARGE-REGULAR	1
1	PAFFF	8415-01-547-6226	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE XX-LARGE-LONG	1
1	PAFFF	8415-01-547-6229	81337	GL/PD-06-06	JACKET, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER JACKET, SIZE XX-LARGE-X-LONG	1

END OF FIGURE



Figure 25. Wet Weather Trousers (ECWCS Gen III Extreme Cold/Wet Weather Trousers).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 14 FIG. 25 WET WEATHER TROUSERS (ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS)						
1	PAFFF	8415-01-547-3662	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE X-SMALL-SHORT	1
1	PAFFF	8415-01-547-3674	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE X-SMALL- REGULAR	1
1	PAFFF	8415-01-547-4171	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-6672	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE SMALL-REGULAR	1
1	PAFFF	8415-01-547-4177	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-6680	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE MEDIUM- REGULAR	1
1	PAFFF	8415-01-547-4194	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE MEDIUM-LONG	1
1	PAFFF	8415-01-538-6677	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE LARGE-REGULAR	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-538-6679	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE LARGE-LONG	1
1	PAFFF	8415-01-538-6681	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE X-LARGE- REGULAR	1
1	PAFFF	8415-01-538-6683	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-547-4234	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE XLARGE-X-LONG	1
1	PAFFF	8415-01-547-4248	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE XX-LARGE- REGULAR	1
1	PAFFF	8415-01-547-4250	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE XX-LARGE-LONG	1
1	PAFFF	8415-01-547-4303	81337	GL/PD-06-17	TROUSERS, WET WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III EXTREME COLD/WET WEATHER TROUSERS, SIZE XX-LARGE-X- LONG	1

END OF FIGURE

**FIELD
PARTS INFORMATION
COLD WEATHER JACKET AND TROUSERS
(ECWCS GEN III SOFT SHELL JACKET AND TROUSERS)**



Figure 26. Cold Weather Jacket (ECWCS Gen III Soft Shell Jacket).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 15 FIG. 26 COLD WEATHER JACKET (ECWCS GEN III SOFT SHELL JACKET)						
1	PAFFF	8415-01-546-8888	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE X-SMALL- SHORT	1
1	PAFFF	8415-01-546-8890	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE X-SMALL- REGULAR	1
1	PAFFF	8415-01-546-8953	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-6808	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE SMALL- REGULAR	1
1	PAFFF	8415-01-546-8954	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-6813	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE MEDIUM- REGULAR	1
1	PAFFF	8415-01-547-6251	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE MEDIUM-LONG	1
1	PAFFF	8415-01-538-6819	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE LARGE- REGULAR	1
1	PAFFF	8415-01-538-6823	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE LARGE-LONG	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-538-6825	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE X-LARGE- REGULAR	1
1	PAFFF	8415-01-538-6831	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-546-8991	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE XLARGE-X- LONG	1
1	PAFFF	8415-01-546-9197	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE XX-LARGE- REGULAR	1
1	PAFFF	8415-01-546-9198	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE XX-LARGE- LONG	1
1	PAFFF	8415-01-546-9201	81337	GL/PD-06-05	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL JACKET, SIZE XX-LARGE-X- LONG	1
END OF FIGURE						

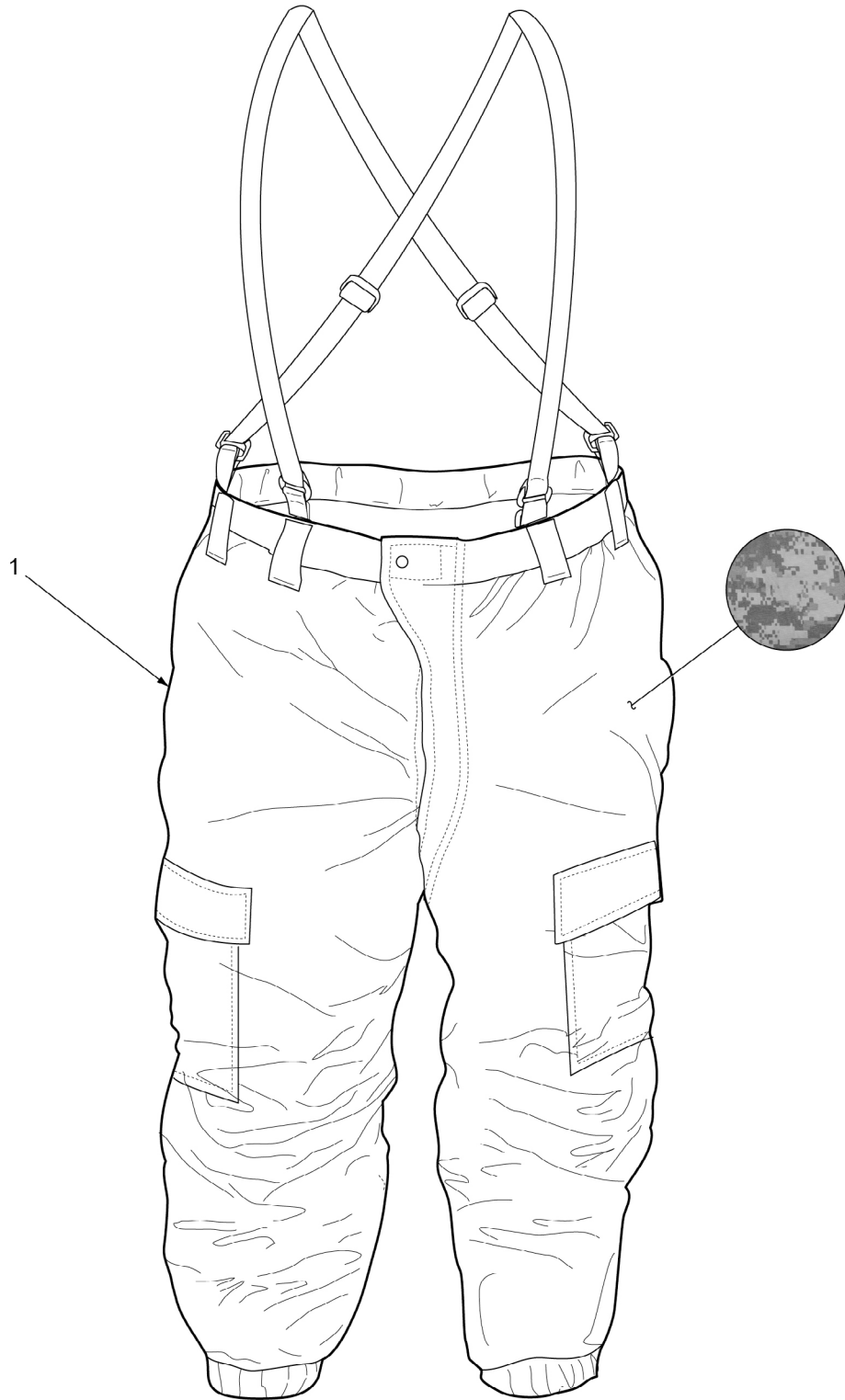


Figure 27. Cold Weather Trousers (ECWCS Gen III Soft Shell Trousers).

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
<p>GROUP 15 FIG. 27 COLD WEATHER TROUSERS (ECWCS GEN III SOFT SHELL TROUSERS)</p>						
1	PAFFF	8415-01-546-9484	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE X-SMALL-SHORT	1
1	PAFFF	8415-01-546-9498	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE X-SMALL-REGULAR	1
1	PAFFF	8415-01-546-9706	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-6764	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE SMALL-REGULAR	1
1	PAFFF	8415-01-546-9707	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-6766	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE MEDIUM-REGULAR	1
1	PAFFF	8415-01-546-9724	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE MEDIUM-LONG	1
1	PAFFF	8415-01-538-6771	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE LARGE-REGULAR	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-538-6773	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE LARGE- LONG	1
1	PAFFF	8415-01-538-6875	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE X-LARGE- REGULAR	1
1	PAFFF	8415-01-538-7008	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE XLARGE- LONG	1
1	PAFFF	8415-01-546-9883	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE XLARGE-X- LONG	1
1	PAFFF	8415-01-546-9912	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE XX-LARGE- REGULAR	1
1	PAFFF	8415-01-546-9917	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE XX-LARGE- LONG	1
1	PAFFF	8415-01-546-9921	81337	GL/PD-06-16	TROUSERS, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III SOFT SHELL TROUSERS, SIZE XX-LARGE- X-LONG	1

END OF FIGURE

FIELD
PARTS INFORMATION
COLD WEATHER JACKET AND FLEECE JACKET
(ECWCS GEN III WIND JACKET AND FLEECE JACKET)



Figure 28. Cold Weather Jacket (ECWCS Gen III Wind Jacket).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 16 FIG. 28 COLD WEATHER JACKET (ECWCS GEN III WIND JACKET)						
1	PAFFF	8415-01-546-8657	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE X-SMALL-SHORT	1
1	PAFFF	8415-01-546-8667	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE X-SMALL-REGULAR	1
1	PAFFF	8415-01-546-8745	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-6057	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE SMALL-REGULAR	1
1	PAFFF	8415-01-546-8758	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-6067	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE MEDIUM-REGULAR	1
1	PAFFF	8415-01-546-8809	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE MEDIUM-LONG	1
1	PAFFF	8415-01-538-6074	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE LARGE-REGULAR	1
1	PAFFF	8415-01-538-6082	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE LARGE-LONG	1
1	PAFFF	8415-01-538-6080	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE X-LARGE-REGULAR	1
1	PAFFF	8415-01-538-6089	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-546-8820	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE XLARGE-X-LONG	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-546-8828	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE XX-LARGE- REGULAR	1
1	PAFFF	8415-01-546-8829	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE XX-LARGE-LONG	1
1	PAFFF	8415-01-546-8834	81337	GL/PD-06-04	JACKET, COLD WEATHER, UNIVERSAL CAMOUFLAGE PATTERN, ECWCS GEN III WIND JACKET, SIZE XX-LARGE-X-LONG	1
END OF FIGURE						



Figure 29. Cold Weather Fleece Jacket (ECWCS Gen III).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 16 FIG. 29 COLD WEATHER FLEECE JACKET (ECWCS GEN III FLEECE JACKET)						
1	PAFFF	8415-01-546-6712	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE X-SMALL- SHORT	1
1	PAFFF	8415-01-546-6713	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE X-SMALL- REGULAR	1
1	PAFFF	8415-01-546-6722	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE SMALL- SHORT	1
1	PAFFF	8415-01-538-6739	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE SMALL- REGULAR	1
1	PAFFF	8415-01-546-6721	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-6742	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE MEDIUM- REGULAR	1
1	PAFFF	8415-01-546-7444	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE MEDIUM- LONG	1
1	PAFFF	8415-01-538-6747	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE LARGE- REGULAR	1
1	PAFFF	8415-01-538-6752	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE LARGE-LONG	1
1	PAFFF	8415-01-538-6754	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE X-LARGE- REGULAR	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
1	PAFFF	8415-01-538-6768	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-546-7504	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE XLARGE-X-LONG	1
1	PAFFF	8415-01-546-7536	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE XX-LARGE-REGULAR	1
1	PAFFF	8415-01-546-7550	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE XX-LARGE-LONG	1
1	PAFFF	8415-01-546-7662	81337	GL/PD-06-03	JACKET, COLD WEATHER, FLEECE, FOLIAGE GREEN, ECWCS GEN III FLEECE JACKET, SIZE XX-LARGE-X-LONG	1
END OF FIGURE						

**FIELD
PARTS INFORMATION
COLD WEATHER SHIRT AND DRAWERS
(ECWCS GEN III MID-WEIGHT SHIRT AND DRAWERS)**

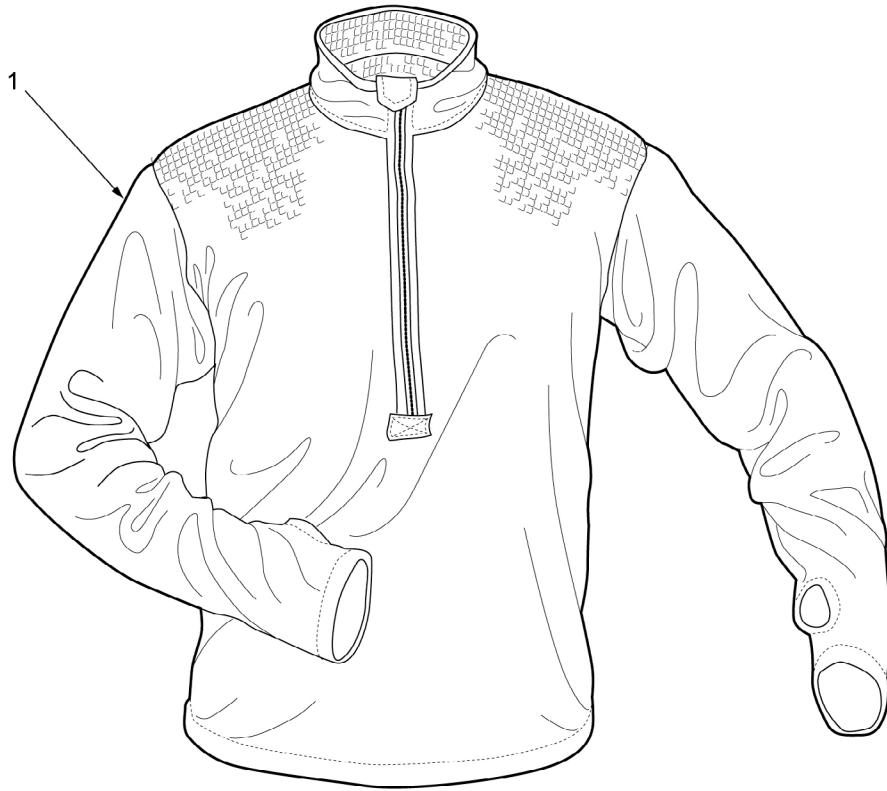


Figure 30. Cold Weather Shirt (ECWCS Gen III Mid-Weight Shirt).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 17						
FIG. 30 COLD WEATHER SHIRT						
(ECWCS GEN III MID-WEIGHT SHIRT)						
1	PAFFF	8415-01-546-0124	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE X-SMALL-SHORT	1
1	PAFFF	8415-01-546-0128	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE X-SMALL-REGULAR	1
1	PAFFF	8415-01-546-0160	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT COLD WEATHER, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-8598	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE SMALL-REGULAR	1
1	PAFFF	8415-01-546-0166	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-8614	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE MEDIUM-REGULAR	1
1	PAFFF	8415-01-546-0305	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE MEDIUM-LONG	1
1	PAFFF	8415-01-538-8621	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE LARGE-REGULAR	1
1	PAFFF	8415-01-538-8701	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE LARGE-LONG	1
1	PAFFF	8415-01-538-8705	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE X-LARGE-REGULAR	1
1	PAFFF	8415-01-538-8711	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-546-0362	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE XLARGE-X-LONG	1
1	PAFFF	8415-01-546-0369	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE XX-LARGE-REGULAR	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-546-0370	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE XX-LARGE-LONG	1
1	PAFFF	8415-01-546-0374	81337	GL/PD-06-02	SHIRT, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT SHIRT, SIZE XX-LARGE-X-LONG	1
END OF FIGURE						

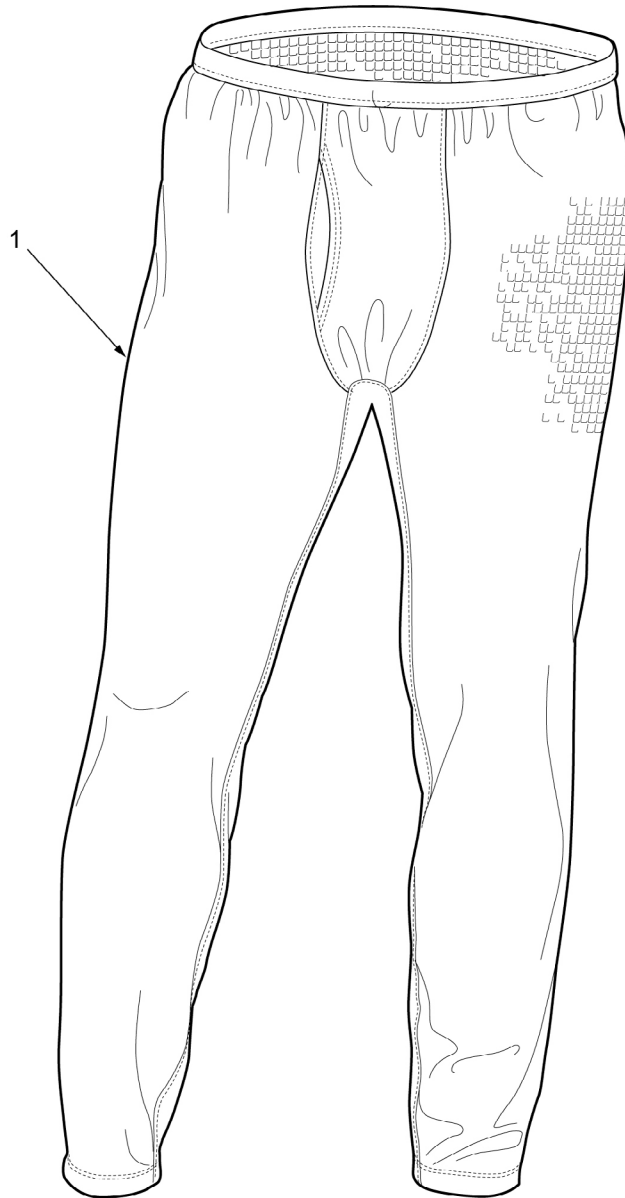


Figure 31. Cold Weather Drawers (ECWCS Gen III Mid-Weight Drawers).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 17						
FIG. 31 COLD WEATHER DRAWERS						
(ECWCS GEN III MID-WEIGHT						
DRAWERS)						
1	PAFFF	8415-01-545-7672	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE X-SMALL-SHORT	1
1	PAFFF	8415-01-545-7676	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE X-SMALL-REGULAR	1
1	PAFFF	8415-01-545-7717	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-8727	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE SMALL-REGULAR	1
1	PAFFF	8415-01-545-7768	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-8730	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE MEDIUM-REGULAR	1
1	PAFFF	8415-01-545-7810	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE MEDIUM-LONG	1
1	PAFFF	8415 -01-538-8745	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE LARGE-REGULAR	1
1	PAFFF	8415-01-538-8747	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE LARGE-LONG	1
1	PAFFF	8415-01-538-8750	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE X-LARGE-REGULAR	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-538-8751	81337	GL/PD-06-1	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-545-7960	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE XLARGE-X-LONG	1
1	PAFFF	8415-01-545-7965	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE XX-LARGE-REGULAR	1
1	PAFFF	8415-01-545-7966	81337	GL/PD-06-1	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE XX-LARGE-LONG	1
1	PAFFF	8415-01-545-7968	81337	GL-PD-06-15	DRAWERS, COLD WEATHER, DESERT SAND, ECWCS GEN III MID-WEIGHT DRAWERS, SIZE XX-LARGE-X-LONG	1
END OF FIGURE						

**FIELD
PARTS INFORMATION
COLD WEATHER UNDERSHIRT AND DRAWERS
(ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT AND DRAWERS)**

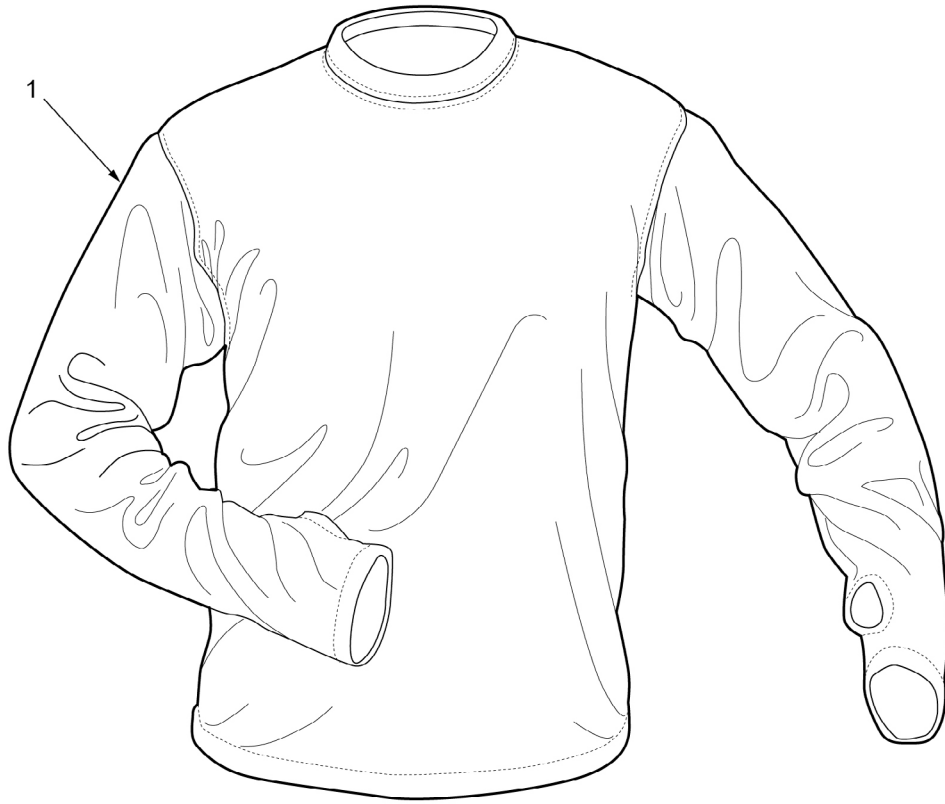


Figure 32. Cold Weather Undershirt (ECWCS Gen III Light-Weight Undershirt).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 18						
FIG. 32 COLD WEATHER						
UNDERSHIRT (ECWCS GEN III						
LIGHT-WEIGHT UNDERSHIRT)						
1	PAFFF	8415-01-547-6577	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE X-SMALL-SHORT	1
1	PAFFF	8415-01-547-6580	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE X-SMALL-REGULAR	1
1	PAFFF	8415-01-547-6680	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-7780	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE SMALL-REGULAR	1
1	PAFFF	8415-01-547-6681	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-7785	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE MEDIUM-REGULAR	1
1	PAFFF	8415-01-547-6691	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE MEDIUM-LONG	1
1	PAFFF	8415-01-538-7786	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE LARGE-REGULAR	1
1	PAFFF	8415-01-538-7787	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE LARGE-LONG	1
1	PAFFF	8415-01-538-7791	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE X-LARGE-REGULAR	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-538-7795	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-547-6789	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE XLARGE-X-LONG	1
1	PAFFF	8415-01-547-6800	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE XX-LARGE-REGULAR	1
1	PAFFF	8415-01-547-6815	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE XX-LARGE-LONG	1
1	PAFFF	8415-01-547-7008	81337	GL/PD-06-01	UNDERSHIRT,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT UNDERSHIRT, SIZE XX-LARGE-X-LONG	1
END OF FIGURE						



Figure 33. Cold Weather Drawers (ECWCS Gen III Light-Weight Drawers).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON ON CODE (UOC)	(7) QTY
GROUP 18 FIG. 33 COLD WEATHER DRAWERS (ECWCS GEN III LIGHT-WEIGHT DRAWERS)						
1	PAFFF	8415-01-547-8674	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE X- SMALL-SHORT	1
1	PAFFF	8415-01-547-8675	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE X- SMALL-REGULAR	1
1	PAFFF	8415-01-547-8683	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE SMALL-SHORT	1
1	PAFFF	8415-01-538-8468	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE SMALL-REGULAR	1
1	PAFFF	8415-01-547-8684	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE SMALL-LONG	1
1	PAFFF	8415-01-538-8472	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE MEDIUM-REGULAR	1
1	PAFFF	8415-01-547-8698	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE MEDIUM-LONG	1
1	PAFFF	8415-01-538-8474	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE LARGE-REGULAR	1
1	PAFFF	8415-01-538-8477	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE LARGE-LONG	1
1	PAFFF	8415-01-538-8482	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE X- LARGE-REGULAR	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
1	PAFFF	8415-01-538-8486	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE XLARGE-LONG	1
1	PAFFF	8415-01-547-8728	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE XLARGE-X-LONG	1
1	PAFFF	8415-01-547-8747	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE XX-LARGE-REGULAR	1
1	PAFFF	8415-01-547-8749	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE XX-LARGE-LONG	1
1	PAFFF	8415-01-547-8755	81337	GL/PD-06-14	DRAWERS,COLD WEATHER, DESERT SAND, ECWCS GEN III LIGHT-WEIGHT DRAWERS, SIZE XX-LARGE-X-LONG	1
END OF FIGURE						

FIELD
PARTS INFORMATION
COLD WEATHER COAT
COLD WEATHER COAT LINER

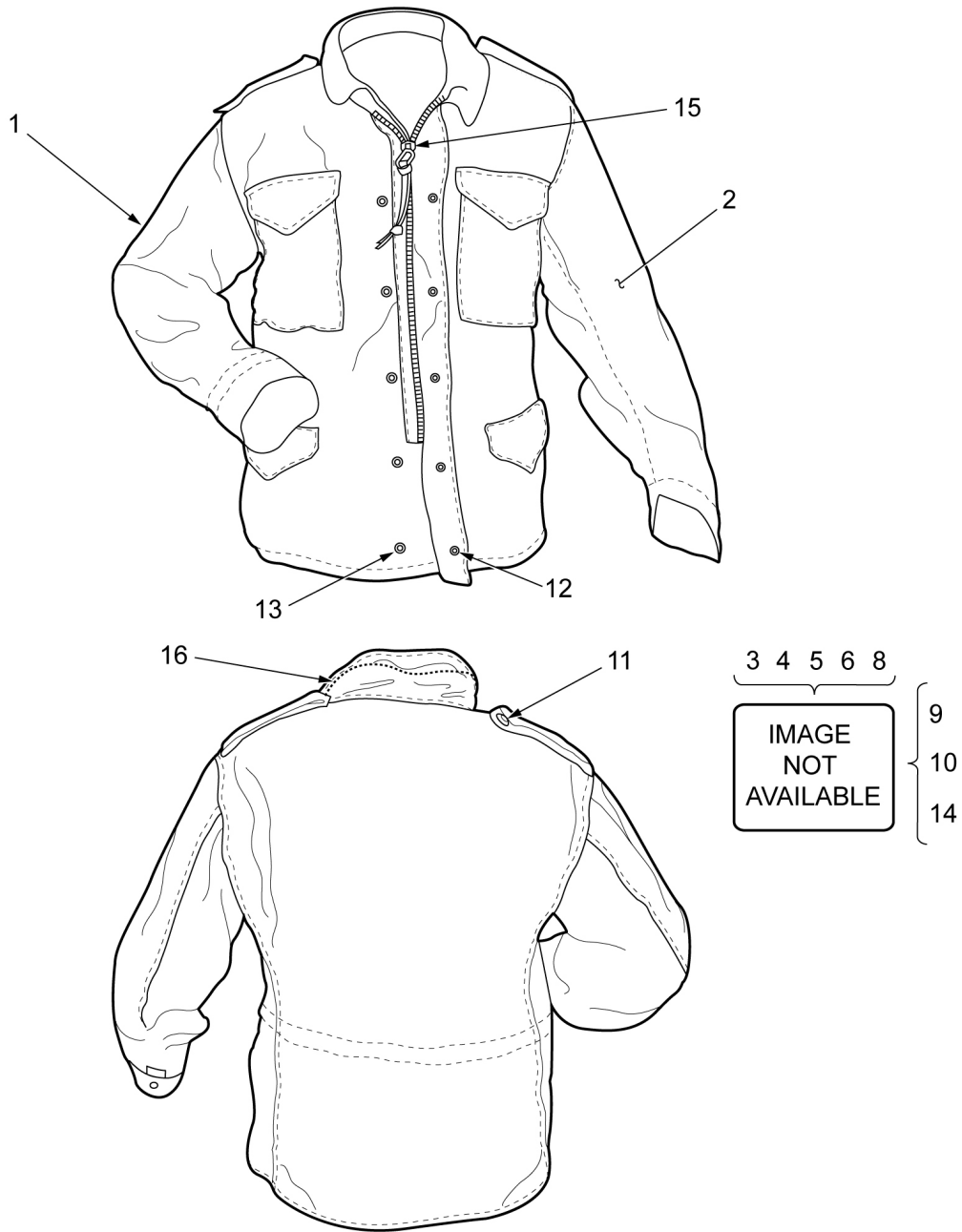


Figure 34. Cold Weather Coat.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 19 FIG. 34 COLD WEATHER COAT						
1	PAFFF	8415-00-782-2933	81349	MIL-C-43455	COAT, COLD WEATHER, X-SMALL REGULAR	EA
1	PAFFF	8415-00-782-2935	81349	MIL-C-43455	COAT, COLD WEATHER, SMALL SHORT	EA
1	PAFFF	8415-00-782-2936	81349	MIL-C-43455	COAT, COLD WEATHER, SMALL REGULAR	EA
1	PAFFF	8415-00-782-2937	81349	MIL-C-43455	COAT, COLD WEATHER, SMALL LONG	EA
1	PAFFF	8415-00-782-2938	81349	MIL-C-43455	COAT, COLD WEATHER, MEDIUM SHORT	EA
1	PAFFF	8415-00-782-2939	81349	MIL-C-43455	COAT, COLD WEATHER, MEDIUM REGULAR	EA
1	PAFFF	8415-00-782-2940	81349	MIL-C-43455	COAT, COLD WEATHER, MEDIUM LONG	EA
1	PAFFF	8415-00-782-2941	81349	MIL-C-43455	COAT, COLD WEATHER, LARGE SHORT	EA
1	PAFFF	8415-00-782-2942	81349	MIL-C-43455	COAT, COLD WEATHER, LARGE REGULAR	EA
1	PAFFF	8415-00-782-2943	81349	MIL-C-43455	COAT, COLD WEATHER, LARGE LONG	EA
1	PAFFF	8415-00-782-2945	81349	MIL-C-43455	COAT, COLD WEATHER, X-LARGE REGULAR	EA
2	PAFZZ	8305-00-458-0132	81349	MIL-C-43191	.CLOTH, WIND RESISTANT, SATEEN 9 OZ. OLIVE GREEN 107, QUARPEL WATER REPELLANT	YD
3	PAFZZ		81349	CCC-C-348	.CLOTH, COTTON, BUCKRAM TYPE I, CLASS 1, CCC-C-438	YD
4	PAFZZ	8310-00-262-0094	81348	V-T-280	.THREAD, COTTON GIMP, OLIVE DRAB 66022-S1	SL
5	PAFZZ		81348	MIL-T-43548	.THREAD, COTTON COVERED RAYON OR POLYESTER, TICKET NO.30/3, OLIVE DRAB S-1	CE

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
6	PAFZZ	8310-01-066-0973	81349	MIL-T-43548	.THREAD, COTTON COVERED RAYON OR POLYESTER, TICKET NO.50/3, OLIVE DRAB S-1 CONFORMING TO MIL-T-43548 AND WATER REPELLENT TREATED IN ACCORDANCE WITH TYPE II CLASSES 2 AND 3 OF MI L-T-3550	CE
7	PAFZZ	8305-00-281-8016	81349	MILC43303	.CORD, ELASTIC, OLIVE GREEN, 3/16 YD DIAMETER	YD
8	PAFZZ	8315-00-297-1553	81349	MIL-B-371	.BRAID, TEXTILE, OLIVE GREEN SHADE 107, 6/32 DIAMETER	YD
9	PAFZZ	8315-00-262-3376	81349	MIL-T-43566	.TAPE, TEXTILE, 1-IN, OLIVE DRAB SHADE 7	YD
10	PAFZZ	8315-00-106-5973	81349	MIL-F-21840	.FASTENER TAPE, HOOK, 1 IN., OLIVE GREEN	YD
11	PAFZZ	8315-00-899-0029	81348	V-B-871	.BUTTON, SEWING HOLE, OLIVE GREEN, STYLE 26/4	GR
12	PAFZZ	5325-00-292-5340	81349	MILF10884ST YLE2AFINISH 2	.FASTENER, SNAP, BRASS, ENAMEL FINISH, STUD AND EYELET	SE
13	PAFZZ	5325-00-221-1516	81349	MIL0020652	.EYELET, STYLE A, STYLE A OR B	HD
14	PAFZZ	5310-01-392-9401	81349	M20652/1- BBW101	.WASHER, FLAT	EA
15	PAFZZ	5325-01-265-6207	81348	V-F-106	.FASTENER, SLIDE, TYPE 4	EA
16	PAFZZ	5325-01-071-1329	81348	V-F-106	.FASTENER, SLIDE, TYPE 1	EA

END OF FIGURE

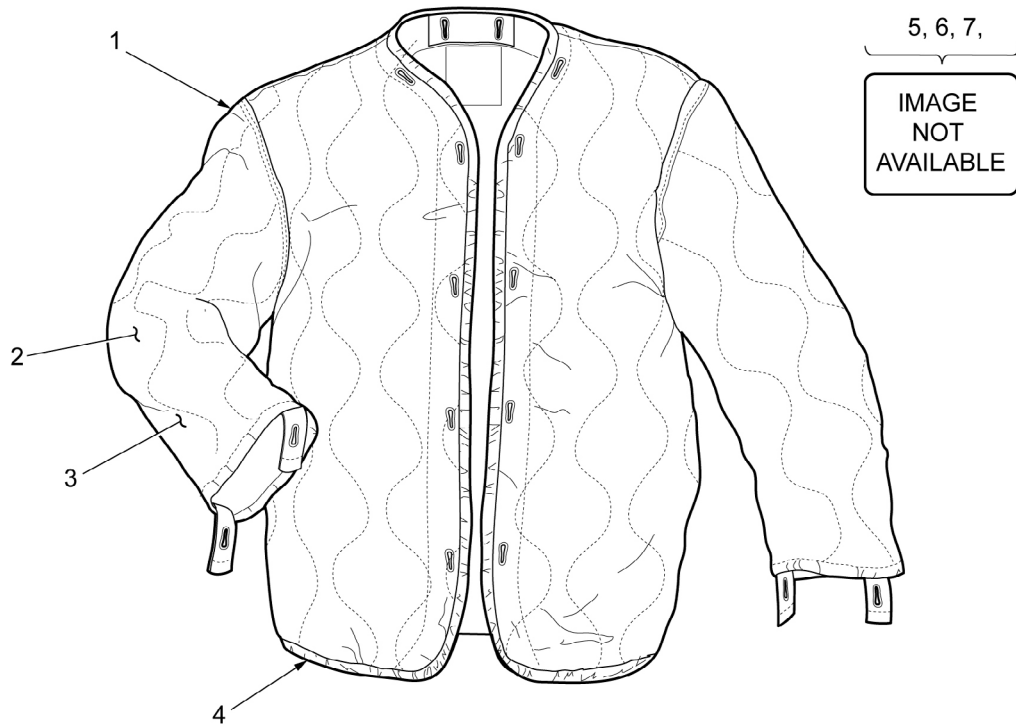


Figure 35. Cold Weather Coat Liner.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 19						
FIG. 35 COLD WEATHER COAT LINER						
1	PAFFF	8415-00-782- 2887	81349	MIL-L-43536	LINER, COLD WEATHER COAT, NYLON QUILTED, ARMY SHADE 106, SIZE SMALL	EA
1	PAFFF	8415-00-782- 2888	81349	MIL-L-43536	LINER, COLD WEATHER COAT, NYLON QUILTED, ARMY SHADE 106, SIZE MEDIUM	EA
1	PAFFF	8415-00-782- 2889	81349	MIL-L-43536	LINER, COLD WEATHER COAT, NYLON QUILTED, ARMY SHADE 106, SIZE LARGE	EA
1	PAFFF	8415-00-782- 2890	81349	MIL-L-43536	LINER, COLD WEATHER COAT, NYLON QUILTED, ARMY SHADE 106, SIZE X- LARGE	EA
2	XBFZZ		81348	A-A-55127	.BATTING, QUILTED, POLYESTER, TYPE III, CLASS 1, STYLE A, MIL-B- 41826.	YD
3	PAFZZ	8305-00-261-8140	81349	MIL-DTL-508K	.CLOTH, OXFORD, NYLON, OLIVE GREEN SHADE 106, MIL-DTL-508, FOR FACING AND BINDING.	YD
4	PAFZZ	8310-00-244-0603	81348	A-A-59826	.THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 3 PLY, TICKET A V-T-295, TYPE I, CLASS A	TU
5	PAFZZ	8310-00-244-0602	81348	A-A-59826	.THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 2 PLY, TICKET B. V-T-295, TYPE I, CLASS A	SL
6	PAFZZ	8310-00-262-0096	81348	V-T-280	.THREAD COTTON GIMP OLIVE DRAB SHADE 66022 (S-1), 3 PLY, TICKET 8. V- T-280, TYPE I	SL
END OF FIGURE						

**FIELD
PARTS INFORMATION
EXTREME COLD WEATHER PARKA (WITHOUT HOOD)**



Figure 36. Extreme Cold Weather Parka (without Hood).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 20 FIG. 36 EXTREME COLD WEATHER PARKA (WITHOUT HOOD)						
1	PAFFF	8415-00-782-3216	81349	MIL-P-43496	PARKA, EXTREME COLD WEATHER (WITHOUT HOOD), EXTRA SMALL	1
1	PAFFF	8415-00-782-3217	81349	MIL-P-43496	PARKA, EXTREME COLD WEATHER (WITHOUT HOOD), SMALL	1
1	PAFFF	8415-00-782-3218	81349	MIL-P-43496	PARKA, EXTREME COLD WEATHER (WITHOUT HOOD), MEDIUM	1
1	PAFFF	8415-00-782-3219	81349	MIL-P-43496	PARKA, EXTREME COLD WEATHER (WITHOUT HOOD), LARGE	1
1	PAFFF	8415-00-782-3220	81349	MIL-P-43496	PARKA, EXTREME COLD WEATHER WITHOUT HOOD, X-LARGE	1
2	PAFZZ	8305-00-901-2991	81349	MIL-C-3924	.CLOTH, OXFORD, COTTON WARP AND NYLON FILLING, 5.8 OZ, OLIVE GREEN SHADE 107, QUARPEL WATER REPELLANT	YD
3	PAFZZ		81348	A-A-52103	.CLOTH, WOOL AND COTTON FLANNEL, 10 OZ, OLIVE DRAB NO 35	YD
4	PAFZZ		81348	A-A-50186	.CLOTH, COTTON, BUCKRAM TYPE I, CLASS 1, A-A-50186	YD
5	PAFZZ	8310-00-262-0094	58536	A-A-50198A	.THREAD, COTTON GIMP, OLIVE DRAB 66022-S1	SL
6	PAFZZ		81348	A-A-50199	.THREAD, COTTON COVERED RAYON OR POLYESTER, TICKET NO.30/3, OLIVE DRAB S-1	CE
7	PAFZZ	8310-01-066-0973	58536	A-A-50199A	.THREAD, COTTON COVERED RAYON OR POLYESTER, TICKET NO.50/3, OLIVE DRAB S-1 CONFORMING TO A-A-50199 AND WATER REPELLENT TREATED IN ACCORDANCE WITH TYPE II CLASSES 2 AND 3 OF MI L-T-3550	CE
8	PAFZZ	8305-00-281-8016	81349	MIL-C-43303	.CORD, ELASTIC, OLIVE GREEN, 3/16 DIAMETER	YD
9	PAFZZ	8315-00-297-1553	81349	MIL-B-371	.BRAID, TEXTILE, OLIVE GREEN SHADE 107, 6/32 DIAMETER	YD
10	PAFZZ	8315-00-253-6277	81349	MIL-T-43566	.TAPE, TEXTILE, 1 1/8 INCH, OLIVE DRAB SHADE 7	YD
11	PAFZZ	8305-00-263-3638	81348	JJW155	.WEBBING, TEXTILE, 1 1/2 INCH, OLIVE DRAB SHADE 7 (GSA SPEC FED-JJ-W-155H)	YD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
12	PAFZZ	8315-00-899-0029	81348	V-B-871	.BUTTON, SEWING HOLE, OLIVE GREEN, STYLE 26/4	GR
13	PAFZZ	5325-00-292-5340	81349	MILF10884ST YLE2AFINISH 2	.FASTENER, SNAP, BRASS, ENAMEL FINISH, STUD AND EYELET	SE
14	PAFZZ	5325-00-221-1516	80205	NASM20652	.EYELET, STYLE A, STYLE A OR B	HD
15	PAFZZ	5310-01-392-9401	81349	M20652/1- BBW101	.WASHER, FLAT	EA
END OF FIGURE						

FIELD
PARTS INFORMATION
EXTREME COLD WEATHER PARKA LINER



Figure 37. Extreme Cold Weather Parka Liner.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 21 FIG. 37 EXTREME COLD WEATHER PARKA LINER						
1	PAFFF	8415-00-782-2882	81349	MIL-L-43466	LINER, EXTREME COLD WEATHER PARKA, NYLON QUILTED, ARMY SHADE 106, SIZE SMALL	EA
1	PAFFF	8415-00-782-2883	81349	MIL-L-43466	LINER, EXTREME COLD WEATHER PARKA, NYLON QUILTED, ARMY SHADE 106, SIZE MEDIUM	EA
1	PAFFF	8415-00-782-2884	81349	MIL-L-43466	LINER, EXTREME COLD WEATHER PARKA, NYLON QUILTED, ARMY SHADE 106, SIZE LARGE	EA
1	PAFFF	8415-00-782-2885	81349	MIL-L-43466	LINER, EXTREME COLD WEATHER PARKA, NYLON QUILTED, ARMY SHADE 106, SIZE X-LARGE	EA
2	XBFZZ		81348	A-A-55127	.BATTING, QUILTED, POLYESTER, TYPE III, CLASS 1, STYLE A, MIL-B- 41826.	YD
3	PAFZZ	8305-00-261-8140	81349	MIL-DTL-508	.CLOTH, OXFORD, NYLON, OLIVE GREEN SHADE 106, MIL-DTL-508, FOR FACING AND BINDING.	YD
4	PAFZZ	8315-00-641- 8328	81348	A-A-55093	.BRAID, TEXTILE, TUBULAR NYLON, OLIVE GREEN SHADE 7, (FOR TAPE TIES)	YD
5	PAFZZ	8310-00-244-0603	81348	V-T-295	.THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 3 PLY, TICKET A V-T-295, TYPE I, CLASS A	TU
6	PAFZZ	8310-00-244-0602	81348	V-T-295	.THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 2 PLY, TICKET B. V-T-295, TYPE I, CLASS A	SL
7	PAFZZ	8310-00-262-0096	81348	V-T-295	.THREAD COTTON GIMP OLIVE DRAB SHADE 66022 (S-1), 3 PLY, TICKET 8. V-T-280, TYPE I	SL
END OF FIGURE						

FIELD
PARTS INFORMATION
COLD WEATHER TROUSERS
COLD WEATHER TROUSERS LINER

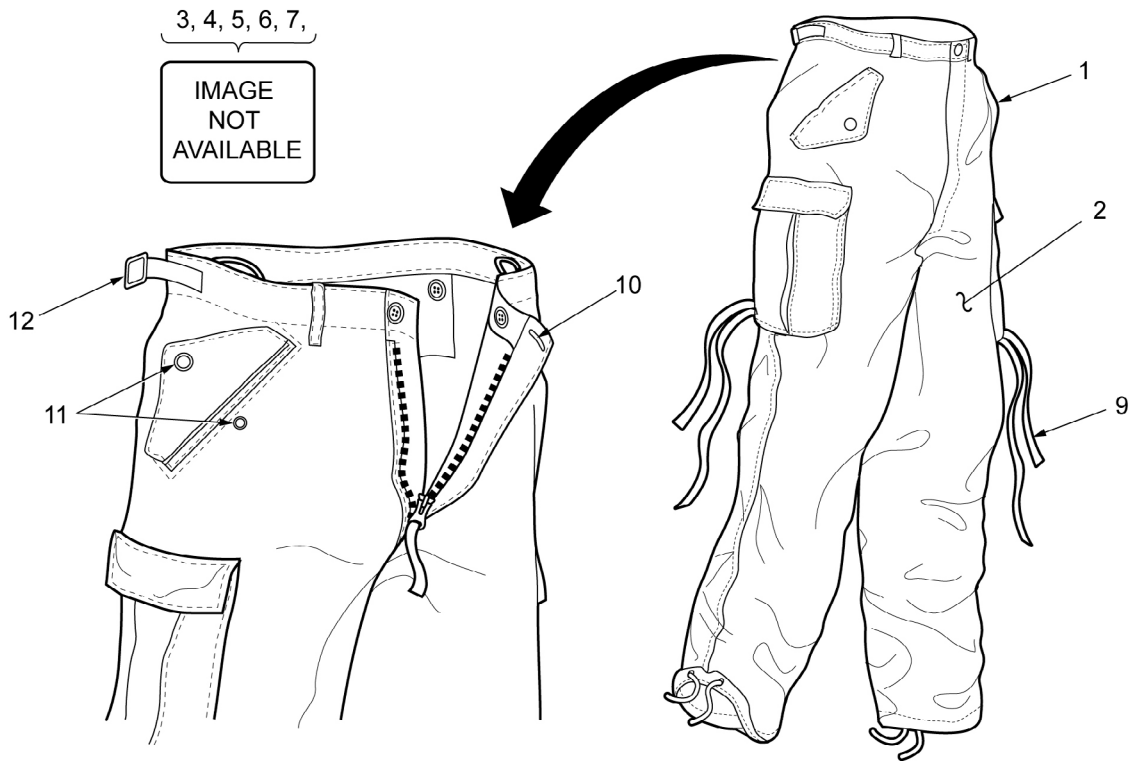


Figure 38. Cold Weather Trousers.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 22 FIG. 38 COLD WEATHER TROUSERS						
1	PAFFF	8415-01-099-7853	81349	MIL-T-2060	TROUSERS, COLD WEATHER, CAMOUFLAGE, X-SMALL REGULAR	1
1	PAFFF	8415-01-099-7854	81349	MIL-T-2060	TROUSERS, COLD WEATHER, CAMOUFLAGE, SMALL SHORT	1
1	PAFFF	8415-01-099-7855	81349	MIL-T-2060	TROUSERS, COLD WEATHER, CAMOUFLAGE, SMALL REGULAR	1
1	PAFFF	8415-01-099-7856	81349	MIL-T-2060	TROUSERS, COLD WEATHER, CAMOUFLAGE, SMALL LONG	1
1	PAFFF	8415-01-099-7857	81349	MIL-T-2060	TROUSERS, COLD WEATHER, CAMOUFLAGE, MEDIUM SHORT	1
1	PAFFF	8415-01-099-7858	81349	MIL-T-43497	TROUSERS, COLD WEATHER, CAMOUFLAGE, MEDIUM REGULAR	1
1	PAFFF	8415-01-099-7859	81349	MIL-T-2060	TROUSERS, COLD WEATHER, CAMOUFLAGE, MEDIUM LONG	1
1	PAFFF	8415-01-099-7860	81349	MIL-T-43497	TROUSERS, COLD WEATHER, CAMOUFLAGE, LARGE REGULAR	1
1	PAFFF	8415-01-099-7861	81349	MIL-T-43497	TROUSERS, COLD WEATHER, CAMOUFLAGE, LARGE LONG	1
1	PAFFF	8415-01-099-7862	81349	MIL-T-2060	TROUSERS, COLD WEATHER, CAMOUFLAGE, X-LARGE LONG	1
2	PAFZZ	8305-00-458-0132	81349	MIL-C-43191	.CLOTH, WIND RESISTANT, SATEEN 9 OZ. OLIVE GREEN 107, QUARPEL WATER REPELLANT	YD
3	PAFZZ	8310-00-262-0094	81348	V-T-280	.THREAD, COTTON GIMP, OLIVE DRAB 66022-S1	SL
4	PAFZZ		81348	MIL-T-43548	.THREAD, COTTON COVERED RAYON OR POLYESTER, TICKET NO.30/3, OLIVE DRAB S-1	CE
5	PAFZZ	8310-01-066-0973	81348	MIL-T-43548	.THREAD, COTTON COVERED RAYON OR POLYESTER, TICKET NO.50/3, OLIVE DRAB S-1 CONFORMING TO MIL-T-43548 AND WATER REPELLENT TREATED IN ACCORDANCE WITH TYPE II CLASSES 2 AND 3 OF MI L-T-3550	CE
6	PAFZZ	8315-00-267-3125	81349	MIL-B-371	.BRAID, TEXTXILE, OLIVE GREEN SHADE 107, 4/32 DIAMETER	YD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
7	PAFZZ	8305-00-260-4604	81349	MILW530	.WEBBING, TEXTILE, 5/8, OLIVE DRAB SHADE 7	YD
8	PAFZZ	8305-00-260-1732	81349	MILW530	.WEBBING, TEXTILE, 1 IN, OLIVE DRAB SHADE 7	YD
9	PAFZZ				.LACING, TEXTILE, OLIVE GREEN SHADE 106 (CANNIBALIZE)	
10	PAFZZ	8315-00-899-0029	81348	V-B-871	.BUTTON, SEWING HOLE, OLIVE GREEN, STYLE 26/4	GR
11	PAFZZ	5325-00-292-5340	81349	MILF10884ST YLE2AFINISH 2	.FASTENER, SNAP, BRASS, ENAMEL FINISH, STUD AND EYELET	SE
12	PAFZZ	5340-00-820-7838	81349	MIL-H-9890	.BUCKLE, TONGUELESS, 2 BAR, STYLE 3, 5/8 IN	EA
END OF FIGURE						

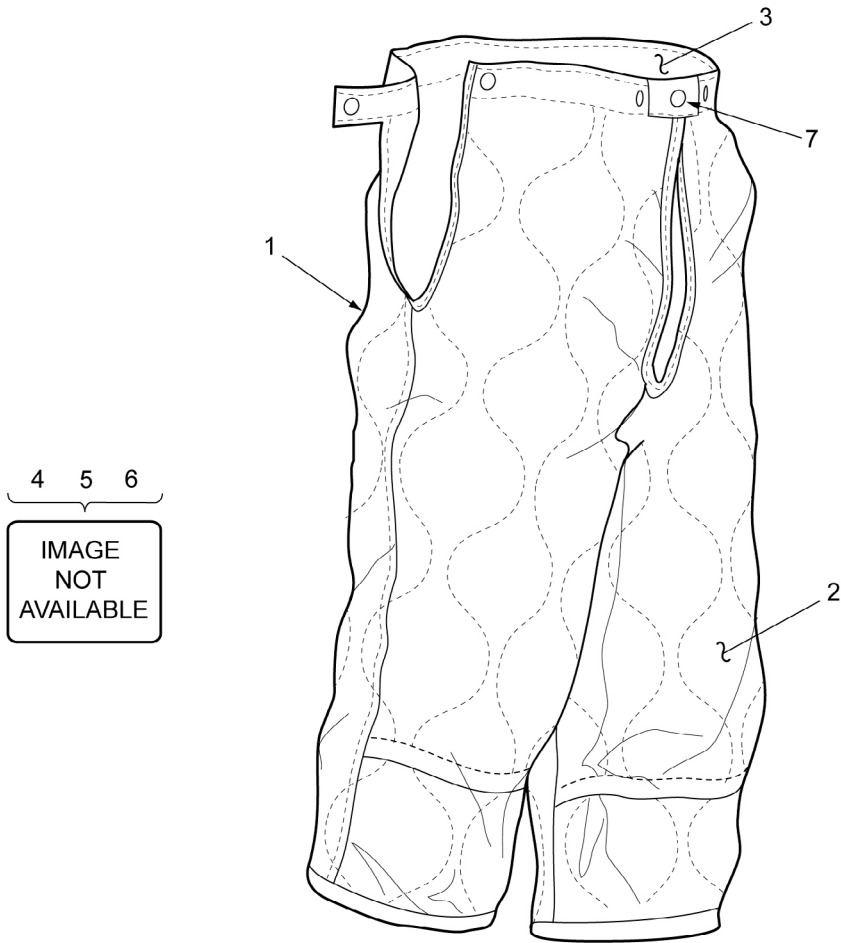


Figure 39. Cold Weather Trousers Liner.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 22 FIG. 39 COLD WEATHER TROUSERS LINER						
1	PAFFF	8415-01-180-0371	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, EA FIELD, GREEN US ARMY 106, SIZE SMALL SHORT REGULAR	
1	PAFFF	8415-01-180-0372	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, EA FIELD, GREEN US ARMY 106, SIZE SMALL LONG	
1	PAFFF	8415-01-180-0373	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, EA FIELD, GREEN US ARMY 106, SIZE MEDIUM SHORT REGULAR	
1	PAFFF	8415-01-180-0374	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, EA FIELD, GREEN US ARMY 106, SIZE MEDIUM LONG	
1	PAFFF	8415-01-180-0375	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, EA FIELD, GREEN US ARMY 106, SIZE LARGE SHORT REGULAR	
1	PAFFF	8415-01-180-0376	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, EA FIELD, GREEN US ARMY 106, SIZE LARGE LONG	
1	PAFFF	8415-01-180-0377	81349	MIL-L-43498	LINER, COLD WEATHER TROUSERS, EA FIELD, GREEN US ARMY 106, SIZE X- LARGE SHORT REGULAR	
1	PAFFF	8415-00-935-0546	81349	MIL-L-43672	LINER, SNOW CAMOUFLAGE TROUSERS, NYLON QUILTED, SIZE X-SMALL SHORT REGULAR	EA
1	PAFFF	8415-00-935-0547	81349	MIL-L-43672	LINER, SNOW CAMOUFLAGE TROUSERS, NYLON QUILTED, SIZE SMALL SHORT REGULAR	EA
1	PAFFF	8415-00-935-0548	81349	MIL-L-43672	LINER, SNOW CAMOUFLAGE TROUSERS, NYLON QUILTED, SIZE SMALL LONG	EA
1	PAFFF	8415-00-935-0549	81349	MIL-L-43672	LINER, SNOW CAMOUFLAGE TROUSERS, NYLON QUILTED, SIZE MEDIUM SHORT REGULAR	EA
1	PAFFF	8415-00-935-0550	81349	MIL-L-43672	LINER, SNOW CAMOUFLAGE TROUSERS, NYLON QUILTED, SIZE MEDIUM LONG	EA
1	PAFFF	8415-00-935-0551	81349	MIL-L-43672	LINER, SNOW CAMOUFLAGE TROUSERS, NYLON QUILTED, SIZE LARGE SHORT REGULAR	EA

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-00-935-0552	81349	MIL-L-43672	LINER, SNOW CAMOUFLAGE TROUSERS, NYLON QUILTED, SIZE LARGE LONG	EA
1	PAFFF	8415-00-935-0553	81349	MIL-L-43672	LINER, SNOW CAMOUFLAGE TROUSERS, NYLON QUILTED, SIZE X- LARGE SHORT REGULAR	EA
2	XBFZZ		81348	A-A-55127	.BATTING, QUILTED, POLYESTER, TYPE III, CLASS 1, STYLE A, MIL-B- 41826.	YD
3	PAFZZ	8305-00-261-8140	81349	MIL-DTL-508	.CLOTH, OXFORD, NYLON, OLIVE GREEN SHADE 106, MIL-DTL-508, FOR FACING AND BINDING.	YD
4	PAFZZ	8310-00-244-0603	81348	A-A-59826	.THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 3 PLY, TICKET A V-T-295, TYPE I, CLASS A	TU
5	PAFZZ	8310-00-244-0602	81348	A-A-59826	.THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 2 PLY, TICKET B. V-T-295, TYPE I, CLASS A	SL
6	PAFZZ	8310-00-262-0096	81348	V-T-295	.THREAD COTTON GIMP OLIVE DRAB SHADE 66022 (S-1), 3 PLY, TICKET 8. V- T-280, TYPE I	SL
7	PAFZZ	8315-00-899-0029	81348	V-B-871	.BUTTON, SEWING HOLE, OLIVE GREEN, SHADE 62016 (BP) STYLE 26, TYPE II	GR
END OF FIGURE						

FIELD
PARTS INFORMATION
SNOW CAMOUFLAGE PARKA
SNOW CAMOUFLAGE TROUSERS

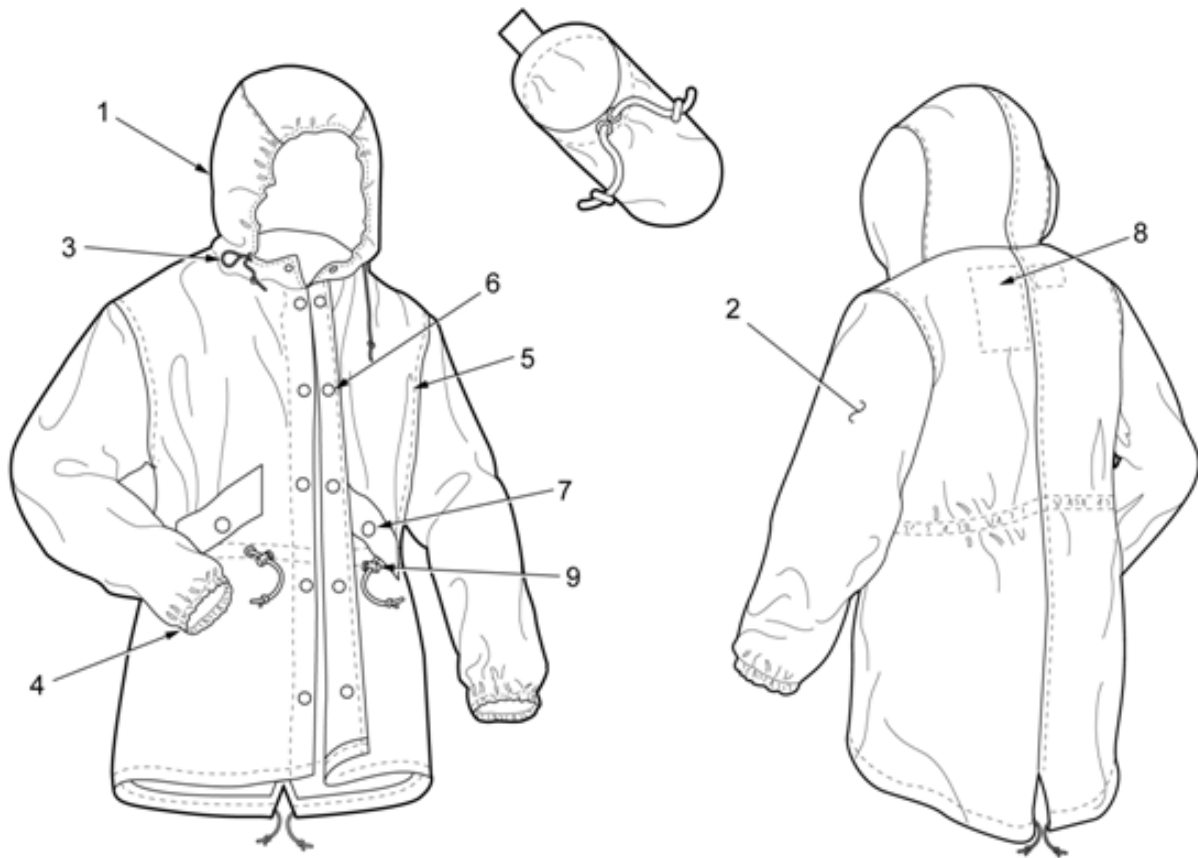


Figure 40. Snow Camouflage Parka.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 23 FIG. 40 SNOW CAMOUFLAGE PARKA						
1	PAFFF	8415-00-223-7625	81349	MIL-P-10809	PARKA, SNOW CAMOUFLAGE (SMALL)	1
1	PAFFF	8415-00-223-7628	81349	MIL-P-10809	PARKA, SNOW CAMOUFLAGE (MEDIUM)	1
1	PAFFF	8415-00-223-7627	81349	MIL-P-10809	PARKA, SNOW CAMOUFLAGE (LARGE)	1
1	PAFFF	8415-00-223-7980	81349	MIL-P-10809	PARKA, SNOW CAMOUFLAGE (X-LARGE)	1
2	PZFZZ				.CLOTH, PLAIN WEAVE, NYLON YD FILAMENT, LIGHTWEIGHT CONFORMING TO MIL-C-44431	YD
3	PAFZZ	8315-00-240-2147	81349	MIL-B-371	.BRAID, TEXTILE, TUBULAR, NATURAL, TYPE IV, CLASS 2 (0.125 IN DIAMETER)	YD
4	PAFZZ	8305-01-412-7443	81349	MIL-C-43303	.CORD, ELASTIC, COTTON, CLASS 2, BLEACHED OR UNBLEACHED (3/16 - INCH DIAMETER)	YD
5	PAFZZ	8310-01-118-8167	81349	MIL-T-3530	.THREAD, POLYESTER CORE, COTTON- OR POLYESTER COVERED CONFORMING TO A-A-50199, TICKET NOS. 30 (NEEDLE) AND 50 (LOOPER), 2 OR 3 PLY, BLEACHED WHITE AH, C.A. 66050. THE THREAD SHALL BE WATER REPEL LENT TREATED IN ACCORDANCE WITH TYPE II, CLASS 3 OF MIL-T-3530; THREAD AND TWINE: MILDEW RESISTANT OR WATER REPELLENT TREATED	CN
6	PAFZZ		81349	MIL-F-10884	.FASTENER, SNAP, SOCKET AND EYELET PARTS, STYLE 2A, FINISH 6, SIZE 1 OR 2	EA
7	PAFZZ		81349	MIL-F-10884	.FASTENER, SNAP; BUTTON AND STUD PARTS, STYLE 2A FINISH 6, SIZE 1 OR 2	EA

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
8	XBFZZ				.LABEL- FOR CLOTHING EQUIPAGE AND TENTAGE (GENERAL USE) CLASS 1 IDENTIFICATION LABEL, CLASS 2 SIZE LABEL AND CLASS 3 INSTRUCTION LABEL TYPE VI, OR A CLASS 14 COMBINATION LABEL FOR SIZE, IDENTIFICATION, AND INSTRUCTION, TYPE VI OF DDD-L-20. SOURCE: E. I. DUPONT DE NEMOURS AND CO. INC. TEXTILE FIBER DEPARTMENT WILMINGTON, DELAWARE 19898	EA
9	PAFZZ	5340-01-393-4890	81337	2-6-104	.FASTENER, CYLINDER, SPRING LOADED (CORD LOCK) BLACK	EA

END OF TASK

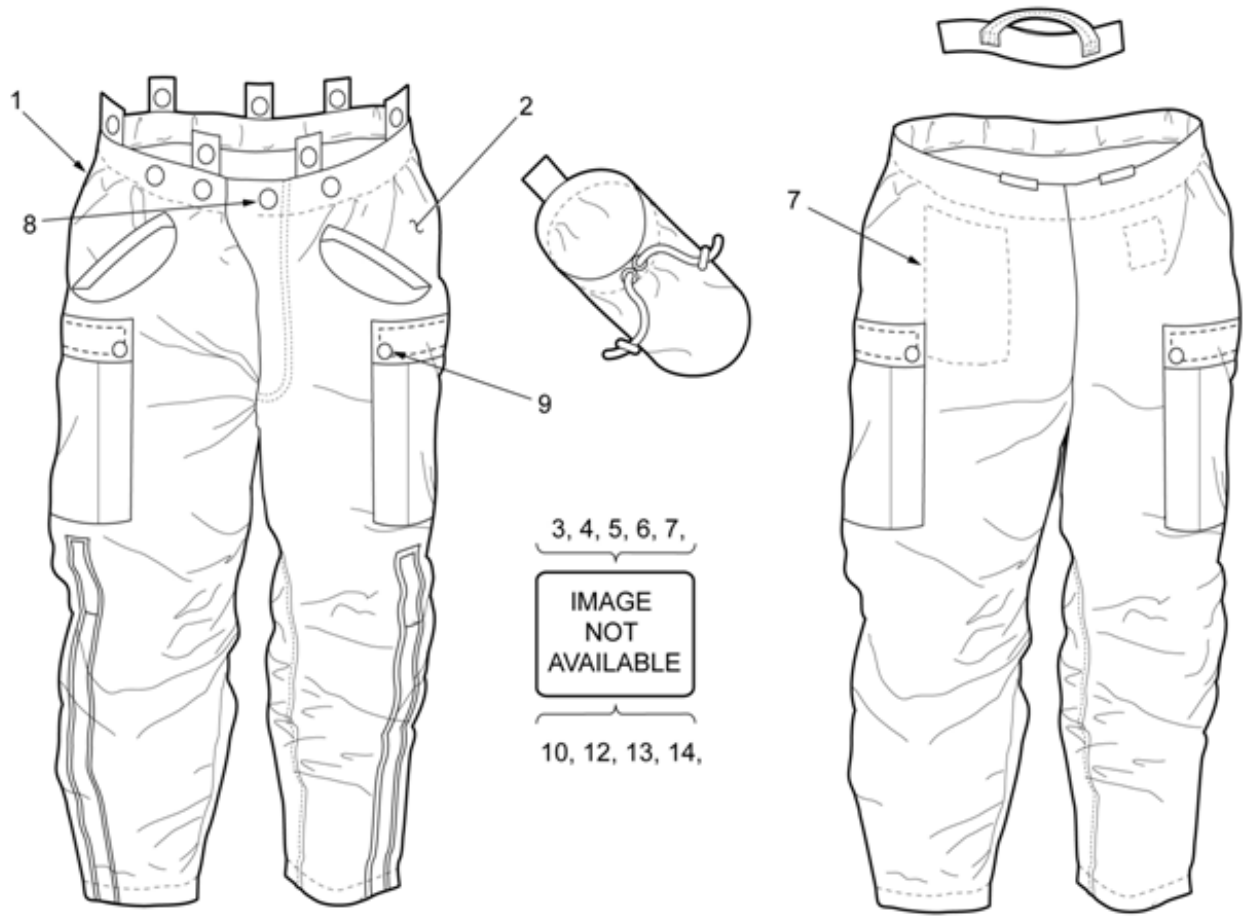


Figure 41. Snow Camouflage Trousers.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 23 FIG. 41 SNOW CAMOUFLAGE TROUSERS						
1	PAFFF	8415-00-935-0568	81349	MIL-T-43654	TROUSERS, SNOW CAMOUFLAGE, WHITE, ARCTIC (SMALL SHORT)	1
1	PAFFF	8415-00-935-0569	81349	MIL-T-43654	TROUSERS, SNOW CAMOUFLAGE, WHITE, ARCTIC (SMALL REGULAR)	1
1	PAFFF	8415-00-935-0570	81349	MIL-T-43654	TROUSERS, SNOW CAMOUFLAGE, WHITE, ARCTIC (SMALL LONG)	1
1	PAFFF	8415-00-935-0571	81349	MIL-T-43654	TROUSERS, SNOW CAMOUFLAGE, WHITE, ARCTIC (MEDIUM SHORT)	1
1	PAFFF	8415-00-935-0572	81349	MIL-T-43654	TROUSERS, SNOW CAMOUFLAGE, WHITE, ARCTIC (MEDIUM REGULAR)	1
1	PAFFF	8415-00-935-0573	81349	MIL-T-43654	TROUSERS, SNOW CAMOUFLAGE, WHITE, ARCTIC (MEDIUM LONG)	1
1	PAFFF	8415-00-935-0575	81349	MIL-T-43654	TROUSERS, SNOW CAMOUFLAGE, WHITE, ARCTIC (LARGE LONG)	1
1	PAFFF	8415-00-935-0576	81349	MIL-T-43654	TROUSERS, SNOW CAMOUFLAGE, WHITE, ARCTIC (X-LARGE REGULAR)	1
1	PAFFF	8415-00-935-0577	81349	MIL-T-43654	TROUSERS, SNOW CAMOUFLAGE, WHITE, ARCTIC (X-LARGE LONG)	1
2	ZBFZZ				.CLOTH, PLAIN WEAVE, NYLON YD FILAMENT, LIGHTWEIGHT CONFORMING TO MIL-C-44431	YD
3	PAFZZ	8315-00-240-2147	81349	MIL-B-371	.BRAID, TEXTILE, TUBULAR, NATURAL, TYPE IV, CLASS 2 (0.125 IN DIAMETER)	YD
4	PAFZZ	8315-01-412-4680	81349	MIL-B-371	.BRAID, TEXTILE, TUBULAR, NATURAL, TYPE III, CLASS 2 (0.188 IN DIAMETER)	YD
5	PAFZZ	8315-00-254-0185	81349	MIL-T-43566	.TAPE, TEXTILE, COTTON, GENERAL PURPOSE, NATURAL OR COLORS, CLASS 1 OR TYPE I, CLASS 2 (1-INCH WIDE)	YD
6	XBFZZ	8305-01-412-7443	81349	MIL-C-43303	.CORD, ELASTIC, COTTON, CLASS 2 (3/16 INCH)	YD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
7	PAFZZ	8310-01-118-8167	81349	MIL-T-3530	.THREAD, POLYESTER CORE, COTTON- OR POLYESTER COVERED CONFORMING TO A-A-50199, TICKET NOS. 30 (NEEDLE) AND 50 (LOOPER), 2 OR 3 PLY, BLEACHED WHITE AH, C.A. 66050. THE THREAD SHALL BE WATER REPEL LENT TREATED IN ACCORDANCE WITH TYPE II, CLASS 3 OF MIL-T-3530; THREAD AND TWINE: MILDEW RESISTANT OR WATER REPELLENT TREATED	CN
8	PAFZZ		81349	MIL-F-10884	.FASTENER, SNAP, SOCKET AND EYELET PARTS, STYLE 2A, FINISH 6, SIZE 1 OR 2	EA
9	PAFZZ		81349	MIL-F-10884	.FASTENER, SNAP; BUTTON AND STUD PARTS, STYLE 2A FINISH 6, SIZE 1 OR 2	EA
10	PAFZZ	8315-00-773-4300	81348	V-B-871	.BUTTON, SEWING HOLE, AND BUTTON, STAPLE, (PLASTIC) TYPE II, CLASS D, STYLE 26, 30 LINE, WHITE BA, CABLE 62031, DULL FINISH	GR
11	XBFZZ				.LABEL- FOR CLOTHING EQUIPAGE AND TENTAGE (GENERAL USE) CLASS 1 IDENTIFICATION LABEL, CLASS 2 SIZE LABEL AND CLASS 3 INSTRUCTION LABEL TYPE VI, OR A CLASS 14 COMBINATION LABEL FOR SIZE, IDENTIFICATION, AND INSTRUCTION, TYPE VI OF DDD-L- 20. SOURCE: E I. DUPONT DE NEMOURS AND CO. INC. TEXTILE FIBER DEPARTMENT WILMINGTON, DELAWARE 19898	EA
12	PAFZZ	5340-01-393-4890	81349	2-6-104	.FASTENER, CYLINDER, SPRING LOADED (CORD LOCK) BLACK	EA
13	PAFZZ		81349	V-F-106	.FASTENER, SLIDE, INTERLOCKING, WHITE, TYPE I, STYLE 3, SIZE MS, NYLON OR POLYESTER CONTINUOUS COIL OR LADDER CONFIGURATION, WITH THONG, BLACK TAPE. (FRONT FLY - USE LENGTH REQUIRED IN REPAIR PROCEDURE)	EA
14	PAFZZ	5325-01-360-7910	81349	V-F-106	.FASTENER, SLIDE, INTERLOCKING, WHITE, TYPE I, STYLE 3, SIZE MS, NYLON OR POLYESTER CONTINUOUS COIL OR LADDER CONFIGURATION, WITH THONG, BLACK TAPE. (SIDE LEG OPENING FOR SHORT SIZES 17 5/8 INCHES)	EA

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
14	PAFZZ	5325-01-360-6172	81349	V-F-106	.FASTENER, SLIDE, INTERLOCKING, WHITE, TYPE I, STYLE 3, SIZE MS, NYLON OR POLYESTER CONTINUOUS COIL OR LADDER CONFIGURATION, WITH THONG, BLACK TAPE. (SIDE LEG OPENING REGULAR AND LONG SIZES 20 5/8 INCHES)	EA
END OF FIGURE						

FIELD
PARTS INFORMATION
WET WEATHER PARKA
WET WEATHER TROUSERS

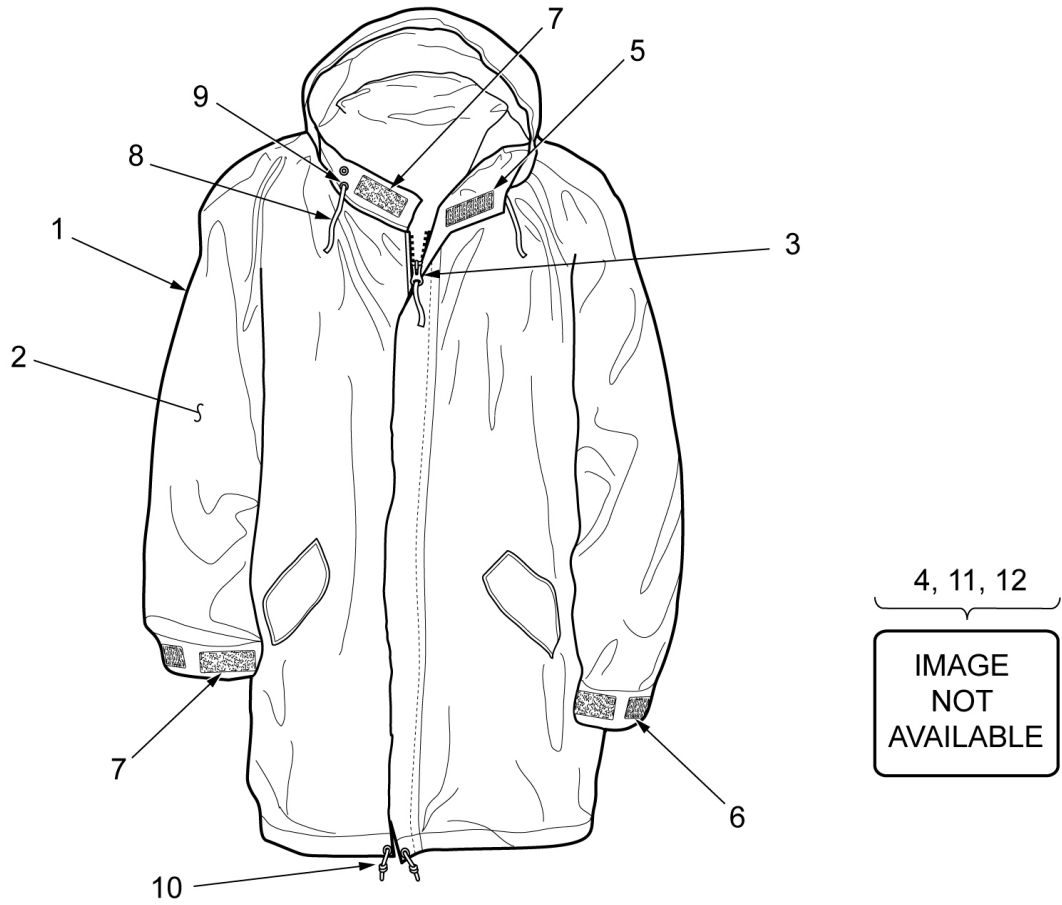


Figure 42. Wet Weather Parka.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 24 FIG. 42 WET WEATHER PARKA						
1	PAFFF	8405-00-001-1547	81349	MIL-P-43907	PARKA, WET WEATHER, X-SMALL	
1	PAFFF	8405-00-001-1548	81349	MIL-P-43907	PARKA, WET WEATHER, SMALL	
1	PAFFF	8405-00-001-1549	81349	MIL-P-43907	PARKA, WET WEATHER, MEDIUM	
1	PAFFF	8405-00-001-1550	81349	MIL-P-43907	PARKA, WET WEATHER, LARGE	
1	PAFFF	8405-00-001-1551	81349	MIL-P-43907	PARKA, WET WEATHER, X-LARGE	
2	XBFZZ		81349	MIL-C-43906	.CLOTH NYLON 78 G/M ² (2.3 OZ/YD ²) PLAIN WEAVE NYLON FABRIC COATED ON THE OUTSIDE WITH A 72 G/M ² (2.1 OZ/YD ²) AND ON THE INSIDE WITH 51 G/M ² 1.5 OZ/YD ²) OF A CROSS LINKED POLYURETHANE, OLIVE GREEN 207 IN COLOR, WITH AN INFRARED REFLECTANCE. SOURCES OF SUPPLY: GIBRALTAR INDUSTRIES, INC., 154 36TH STREET BROOKLYN, NEW YORK 11232 EAST WIND INDUSTRIES, INC. 13 BARRETT STREET CLAYTON, DELAWARE 19938 WINFIELD MFG. CO. 350 FIFTH AVENUE, SUITE 6608 NEW YORK, N.Y. 10001	
3	PAFZZ	5325-00-141-7300	58536	AA55634- IVCEFB10P	.FASTENER, SLIDE, INTERLOCKING, V-F-106, TYPE 4, STYLE 8, SIZE M	
4	PAFZZ	8310-01-063-9282	81348	V-T-285	.THREAD, POLYESTER, V-T-285, TYPE I, CLASS I, SUBCLASS A, OLIVE DRAB, C.A. 66022, SIZE E, 3 PLY	CE
5	PAFZZ	8315-01-010-7203	58536	A-A-55126	.FASTENER TAPE, HOOK, SYNTHETIC (5/8") MIL-F-21840, TYPE II, CLASS 1, OG 106	YD
6	PAFZZ	8315-00-106-5973	81337	6-1-5876	.FASTENER TAPE, HOOK, SYNTHETIC (1") MIL-F-21840, TYPE II, CLASS 1, OG 106	YD
7	PAFZZ	8315-01-010-7204	58536	A-A-55126	.FASTENER TAPE, PILES, SYNTHETIC (5/8")MIL-F-21840, TYPE II, CLASS 1, OG 106	YD

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
8	PAOZZ	8315-00-262-2784	81349	MIL-B-371	.BRAID, TEXTILE, TUBULAR, MIL-B-371, TYPE VII, CLASS 2, 0.344 INCHES WIDTH, GREEN 107	YD
9	PAFZZ				.EYELETS, METALLIC, ROLLED FLANGE TYPE M20652/1-BBE117; AND EYELET WASHER M20652/1 - BBW101	EA
10	PAFZZ	8305-00-410-8418	81349	MILC43303	.CORD, ELASTIC COTTON, MIL-C-43303, CLASS 2, OLIVE DRAB 7	YD
11	PAFZZ	8310-01-066-0973	58536	A-A-50199A	.THREAD, POLYESTER, COTTON-COVERED, MIL-T43548, SIZE 50, 3 PLY, OLIVE DRAB	CE
12	PCFZZ	8405-00-198-3747	81349	MIL-M-43946	.MAINTENANCE KIT, WET WEATHER CLOTHING, MIL-M-43946	EA
END OF FIGURE						

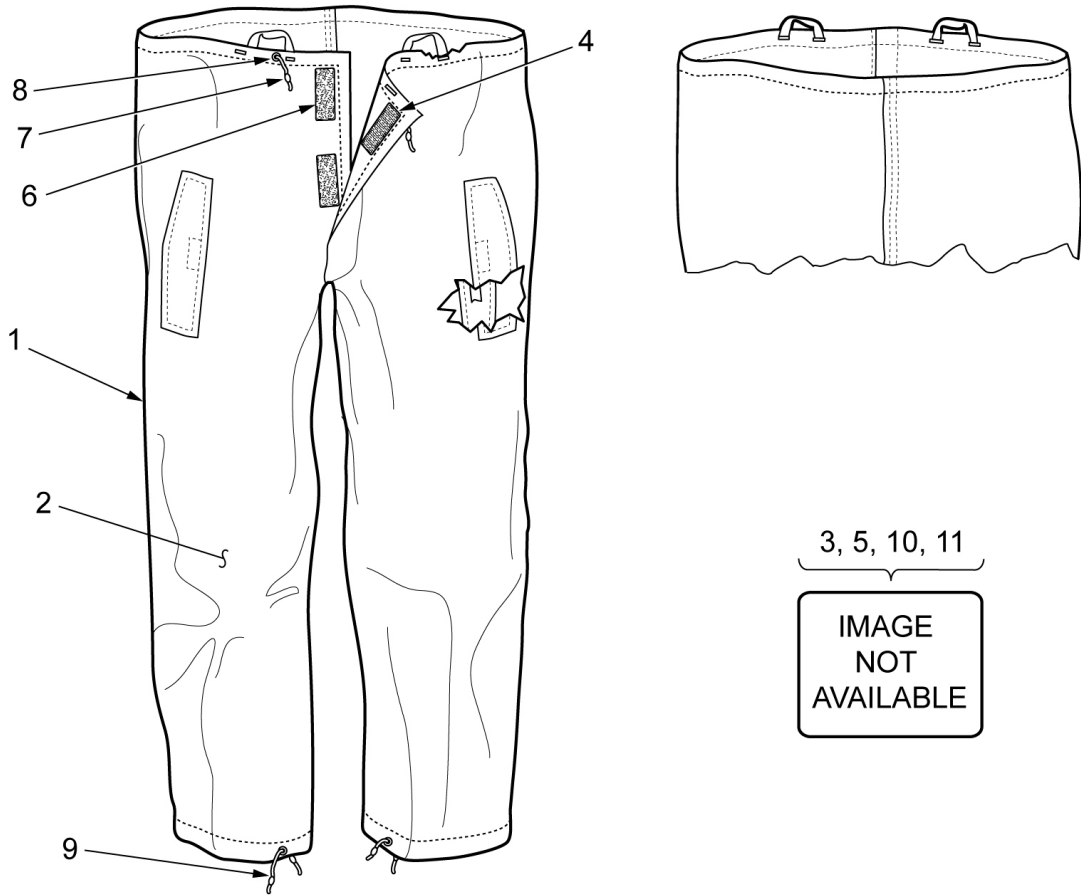


Figure 43. Wet Weather Trousers.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 24 FIG. 43 WET WEATHER TROUSERS						
1	PAFFF	8405-00-001-8025	81349	MIL-P-43907	TROUSERS, WET WEATHER, X-SMALL	
1	PAFFF	8405-00-001-8026	81349	MIL-P-43907	TROUSERS, WET WEATHER, SMALL	
1	PAFFF	8405-00-001-8027	81349	MIL-P-43907	TROUSERS, WET WEATHER, MEDIUM	
1	PAFFF	8405-00-001-8028	81349	MIL-P-43907	TROUSERS, WET WEATHER, LARGE	
1	PAFFF	8405-00-001-8029	81349	MIL-P-43907	TROUSERS, WET WEATHER, X-LARGE	
2	XBFZZ		81349	MIL-C-43906	.CLOTH NYLON 78 G/M ² (2.3 OZ/YD ²) PLAIN WEAVE NYLON FABRIC COATED ON THE OUTSIDE WITH A 72 G/M ² (2.1 OZ/YD ²) AND ON THE INSIDE WITH 51 G/M ² 1.5 OZ/YD ²) OF A CROSS LINKED POLYURETHANE, OLIVE GREEN 207 IN COLOR, WITH AN INFRARED REFLECTANCE. SOURCES OF SUPPLY: GIBRALTAR INDUSTRIES, INC., 154 36 TH STREET BROOKLYN, NEW YORK 11232 EAST WIND INDUSTRIES, INC. 13 BARRETT STREET CLAYTON, DELAWARE 19938 WINFIELD MFG. CO. 350 FIFTH AVENUE, SUITE 6608 NEW YORK, N.Y. 10001	
3	PAFZZ	8310-01-063-9282	81348	V-T-285	.THREAD, POLYESTER, V-T-285, TYPE I, CLASS I, SUBCLASS A, OLIVE DRAB, C.A. 66022, SIZE E, 3 PLY	CE
4	PAFZZ	8315-01-010-7203	58536	A-A-55126	.FASTENER TAPE, HOOK, SYNTHETIC (5/8") MIL-F-21840, TYPE II, CLASS 1, OG 106	YD
5	PAFZZ	8315-00-106-5973	81337	6-1-5876	.FASTENER TAPE, HOOK, SYNTHETIC (1") MIL-F-21840, TYPE II, CLASS 1, OG 106	YD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
6	PAFZZ	8315-01-010-7204	58536	A-A-55126	.FASTENER TAPE, PILES, SYNTHETIC (5/8")MIL-F-21840, TYPE II, CLASS 1, OG 106	YD
7	PAFZZ	8315-00-262-2784	81349	MIL-B-371	.BRAID, TEXTILE, TUBULAR, MIL-B- 371, TYPE VII, CLASS 2, 0.344 INCHES WIDTH, GREEN 107	YD
8	PAFZZ				.EYELETS, METALLIC, ROLLED FLANGE TYPE M20652/1-BBE117; AND EYELET WASHER M20652/1 - BBW101	EA
9	PAFZZ	8305-00-410-8418	81349	MILC43303	.CORD, ELASTIC COTTON, MIL-C- 43303, CLASS 2, OLIVE DRAB 7	YD
10	PAFZZ	8310-01-066-0973	58536	A-A-50199A	.THREAD, POLYESTER, COTTON- COVERED, MIL-T43548, SIZE 50, 3 PLY, OLIVE DRAB	CE
11	PCFZZ	8405-00-198-3747	81349	MIL-M-43946	.MAINTENANCE KIT, WET WEATHER CLOTHING, MIL-M-43946	EA

END OF FIGURE

FIELD
PARTS INFORMATION
WET WEATHER PONCHO LINER

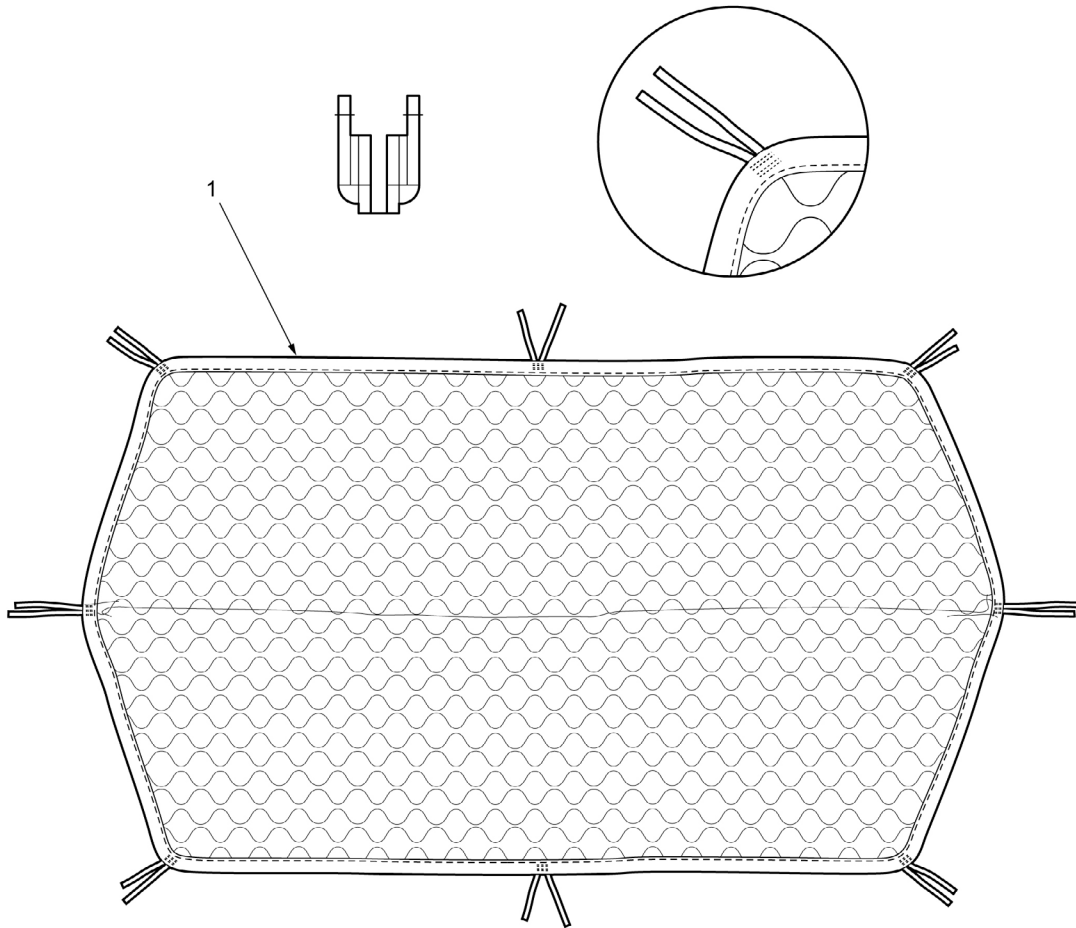


Figure 44. Wet Weather Poncho Liner.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 25 FIG. 44 PONCHO LINER	
1	PAFFF	8405-00-889-3683	81349	MIL-L-43335	LINER,WET WEATHER PONCHO	1
					END OF FIGURE	

FIELD
PARTS INFORMATION
CHEMICAL PROTECTIVE UNDERSHIRT AND DRAWERS



Figure 45. Chemical Protective Undershirt.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 26 FIG. 45. CHEMICAL PROTECTIVE UNDERSHIRT						
1	PAFFF	8415-01-363-8692	81349	MIL-U-44435	UNDERSHIRT, CHEMICAL PROTECTIVE SIZE 32	1
1	PAFFF	8415-01-363-8693	81349	MIL-U-44435	UNDERSHIRT, CHEMICAL PROTECTIVE SIZE 34	1
1	PAFFF	8415-01-363-8694	81349	MIL-U-44435	UNDERSHIRT, CHEMICAL PROTECTIVE SIZE 36	1
1	PAFFF	8415-01-363-8695	81349	MIL-U-44435	UNDERSHIRT, CHEMICAL PROTECTIVE SIZE 38	1
1	PAFFF	8415-01-363-8696	81349	MIL-U-44435	UNDERSHIRT, CHEMICAL PROTECTIVE SIZE 40	1
1	PAFFF	8415-01-363-8697	81349	MIL-U-44435	UNDERSHIRT, CHEMICAL PROTECTIVE SIZE 42	1
1	PAFFF	8415-01-363-8698	81349	MIL-U-44435	UNDERSHIRT, CHEMICAL PROTECTIVE SIZE 44	1
1	PAFFF	8415-01-363-8699	81349	MIL-U-44435	UNDERSHIRT, CHEMICAL PROTECTIVE SIZE 46	1
1	PAFFF	8415-01-363-8700	81349	MIL-U-44435	UNDERSHIRT, CHEMICAL PROTECTIVE SIZE 48	1
2	PAFZZ	8315-00-106-5974	81337	5-4-1695-4	.FASTENER TAPE, PILE, MIL-F-21840, TYPE I, CLASS I, COLOR BLACK OR GREEN, 1-INCH WIDE	1
3	PAFZZ	8315-00-916-8399	58536	A-A-55126	.FASTENER TAPE, HOOK, MIL-F-21840, TYPE I, CLASS I, COLOR BLACK OR GREEN, 2-INCH WIDE	1
4	XDFZZ	Local Purchase	81349	V-F-106	.SLIDE FASTENER, V-F-106, TYPE IV, STYLE 8, SIZE M, COLOR BLACK (UNDERSHIRT SIZE 32 USE ZIPPER LENGTH 27 INCHES)	1
4	XDFZZ	Local Purchase	81349	V-F-106	.SLIDE FASTENER, V-F-106, TYPE IV, STYLE 8, SIZE M, COLOR BLACK (UNDERSHIRT SIZE 34 USE ZIPPER LENGTH 27 3/4 INCHES)	1
4	XDFZZ	Local Purchase	81349	V-F-106	.SLIDE FASTENER, V-F-106, TYPE IV, STYLE 8, SIZE M, COLOR BLACK (UNDERSHIRT SIZE 36 USE ZIPPER LENGTH 28 1/2 INCHES)	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
4	XDFZZ	Local Purchase	81349	V-F-106	.SLIDE FASTENER, V-F-106, TYPE IV, STYLE 8, SIZE M, COLOR BLACK (UNDERSHIRT SIZE 38 USE ZIPPER LENGTH 29 1/4 INCHES)	1
4	XDFZZ	Local Purchase	81349	V-F-106	.SLIDE FASTENER, V-F-106, TYPE IV, STYLE 8, SIZE M, COLOR BLACK (UNDERSHIRT SIZE 40 USE ZIPPER LENGTH 30 INCHES)	1
4	XDFZZ	Local Purchase	81349	V-F-106	.SLIDE FASTENER, V-F-106, TYPE IV, STYLE 8, SIZE M, COLOR BLACK (UNDERSHIRT SIZE 42 USE ZIPPER LENGTH 30 3/4 INCHES)	1
4	XDFZZ	Local Purchase	81349	V-F-106	.SLIDE FASTENER, V-F-106, TYPE IV, STYLE 8, SIZE M, COLOR BLACK (UNDERSHIRT SIZE 44 USE ZIPPER LENGTH 31 1/2 INCHES)	1
4	XDFZZ	Local Purchase	81349	V-F-106	.SLIDE FASTENER, V-F-106, TYPE IV, STYLE 8, SIZE M, COLOR BLACK (UNDERSHIRT SIZE 46 USE ZIPPER LENGTH 32 1/4 INCHES)	1
4	XDFZZ	Local Purchase	81349	V-F-106	.SLIDE FASTENER, V-F-106, TYPE IV, STYLE 8, SIZE M, COLOR BLACK (UNDERSHIRT SIZE 48 USE ZIPPER LENGTH 33 INCHES)	1
5	XBFZZ	Local Purchase	1XWN9	LANX I	.MATERIAL, BODY SOURCE: DUPONT, PART NUMBER LANX I	1

END OF FIGURE

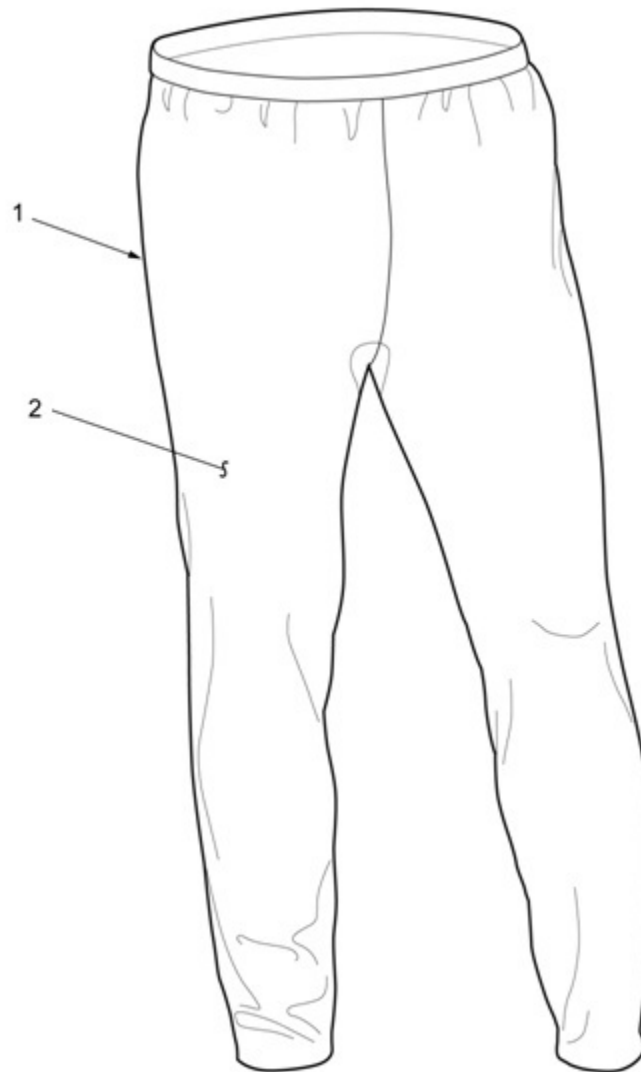


Figure 46. Chemical Protective Drawers.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 26 FIG. 46. CHEMICAL PROTECTIVE DRAWERS						
1	PAFFF	8415-01-363-8683	81349	MIL-U-44435	DRAWERS, CHEMICAL PROTECTIVE SIZE 26	1
1	PAFFF	8415-01-363-8684	81349	MIL-U-44435	DRAWERS, CHEMICAL PROTECTIVE SIZE 28	1
1	PAFFF	8415-01-363-8685	81349	MIL-U-44435	DRAWERS, CHEMICAL PROTECTIVE SIZE 30	1
1	PAFFF	8415-01-363-8686	81349	MIL-U-44435	DRAWERS, CHEMICAL PROTECTIVE SIZE 32	1
1	PAFFF	8415-01-363-8687	81349	MIL-U-44435	DRAWERS, CHEMICAL PROTECTIVE SIZE 34	1
1	PAFFF	8415-01-363-8688	81349	MIL-U-44435	DRAWERS, CHEMICAL PROTECTIVE SIZE 36	1
1	PAFFF	8415-01-363-8689	81349	MIL-U-44435	DRAWERS, CHEMICAL PROTECTIVE SIZE 38	1
1	PAFFF	8415-01-363-8690	81349	MIL-U-44435	DRAWERS, CHEMICAL PROTECTIVE SIZE 40	1
1	PAFFF	8415-01-363-8691	81349	MIL-U-44435	DRAWERS, CHEMICAL PROTECTIVE SIZE 42	1
2	XBFZZ	Local Purchase	1XWN9	LANX I	MATERIAL, BODY SOURCE: DUPONT, PART NUMBER LANX I	1
END OF FIGURE						

FIELD
PARTS INFORMATION
EXPLOSIVE HANDLERS' PROTECTIVE COVERALLS
RUBBER KNEE BOOTS

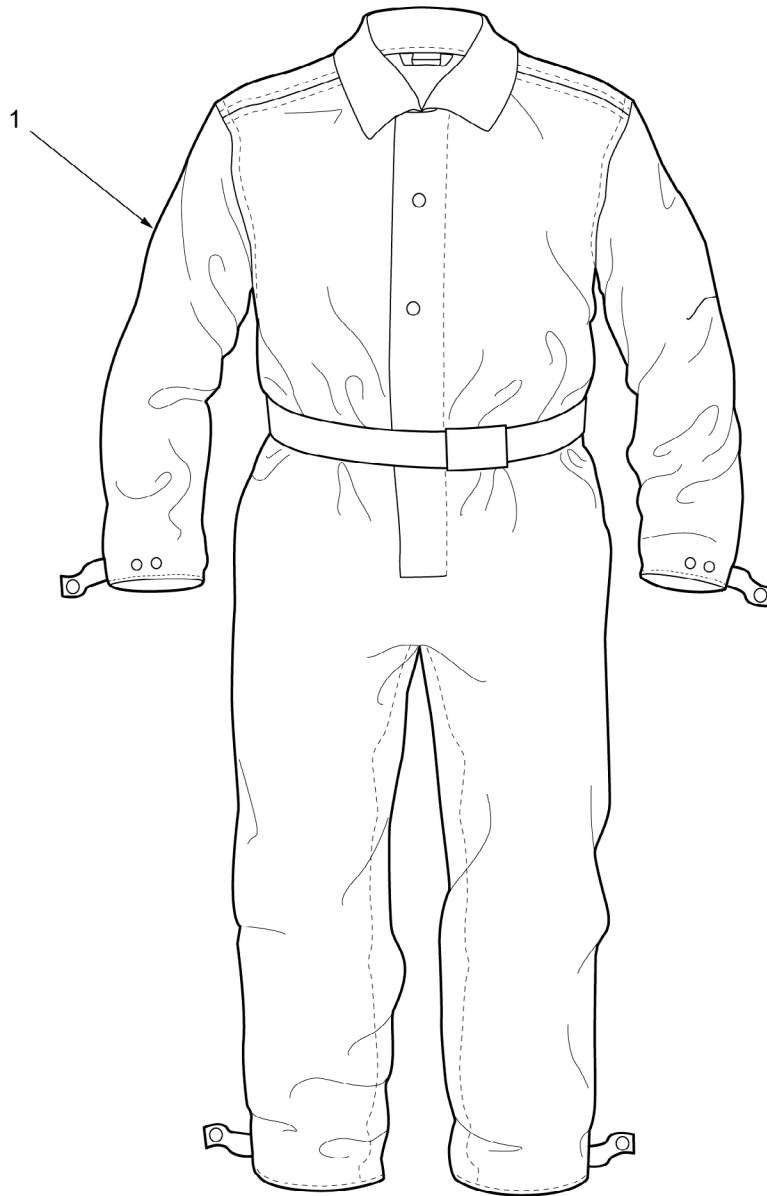


Figure 47. Explosive Handlers' Protective Coveralls.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 27 FIG. 47. EXPLOSIVE HANDLERS' COVERALLS						
1	PAFFF	8415-00-280-2455	81349	MIL-C-14610	COVERALLS, EXPLOSIVE HANDLERS', SIZE X-SMALL	1
1	PAFFF	8415-00-279-8719	81349	MIL-C-14610	COVERALLS, EXPLOSIVE HANDLERS', SIZE SMALL	1
1	PAFFF	8415-00-279-8720	81349	MIL-C-14610	COVERALLS, EXPLOSIVE HANDLERS', SIZE MEDIUM	1
1	PAFFF	8415-00-279-8721	81349	MIL-C-14610	COVERALLS, EXPLOSIVE HANDLERS', SIZE LARGE	1
1	PAFFF	8415-00-279-8722	81349	MIL-C-14610	COVERALLS, EXPLOSIVE HANDLERS', SIZE X-LARGE	1
END OF FIGURE						



Figure 48. Rubber Knee Boots.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 27						
FIG. 48. RUBBER KNEE BOOTS						
1	PAFFF	8430-00-262-8252	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 5	1
1	PAFFF	8430-00-262-8253	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 6	1
1	PAFFF	8430-00-262-8254	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 7	1
1	PAFFF	8430-00-262-8255	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 8	1
1	PAFFF	8430-00-262-8256	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 9	1
1	PAFFF	8430-00-262-8257	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 10	1
1	PAFFF	8430-00-262-8258	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 11	1
1	PAFFF	8430-00-262-8259	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 12	1
1	PAFFF	8430-00-262-8260	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 13	1
1	PAFFF	8430-00-262-8261	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 14	1
1	PAFFF	8430-00-262-8278	58536	A-A-50063B	BOOTS, KNEE, RUBBER, BLACK, NON-SKID, SIZE 15	1
END OF FIGURE						

FIELD
PARTS INFORMATION
TOXICOLOGICAL AGENTS' PROTECTIVE COVERALLS AND APRON

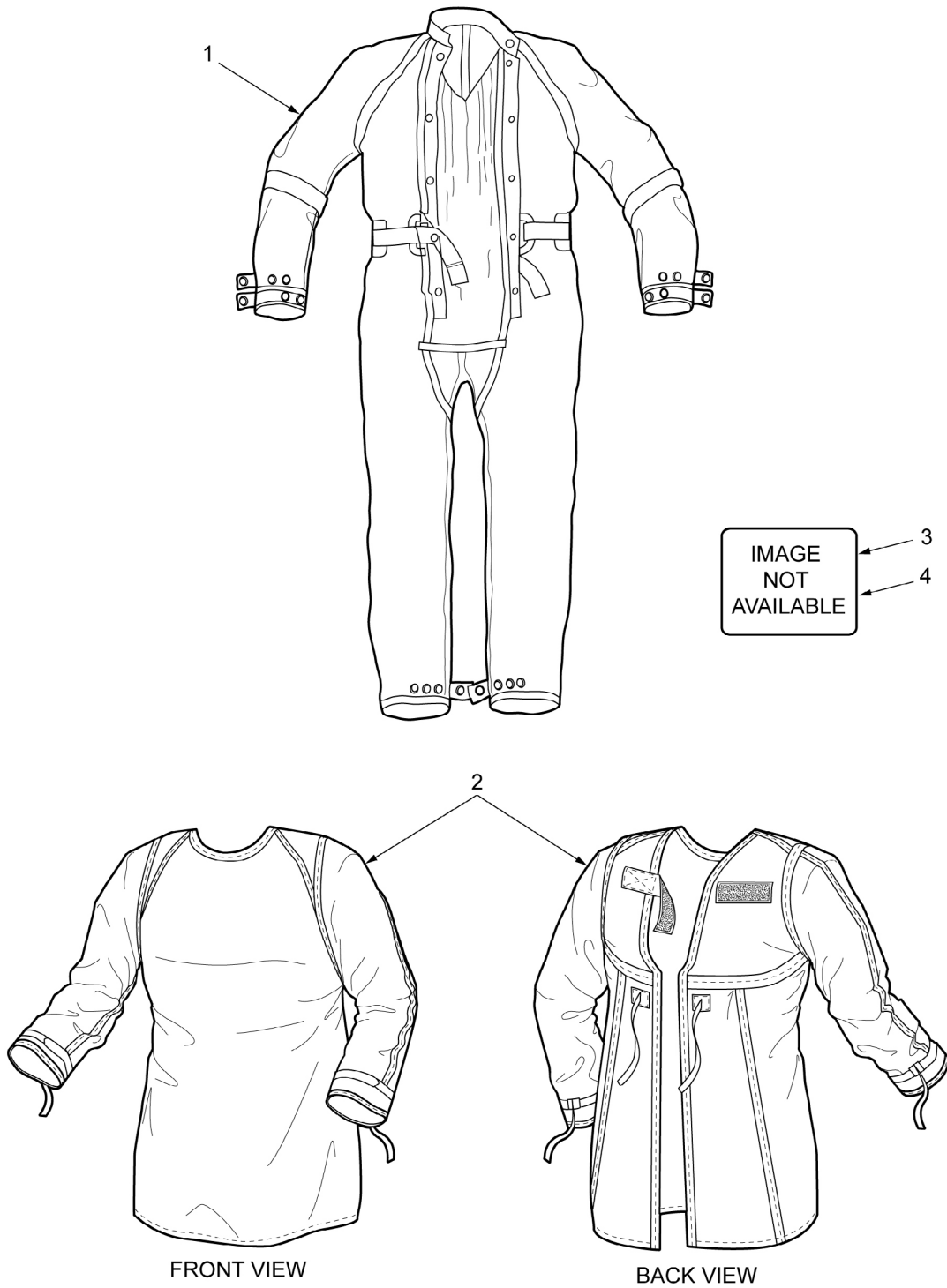


Figure 49. Toxicological Agents' Protective Coveralls and Apron.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 28						
FIG. 49. TOXICOLOGICAL AGENTS' PROTECTIVE COVERALLS AND APRON						
1	PAFFF	8415-00-099-6962	81349	MIL-C-2181	COVERALLS, TOXICOLOGICAL AGENTS' PROTECTIVE, SIZE SMALL	1
1	PAFFF	8415-00-099-6968	81349	MIL-C-2181	COVERALLS, TOXICOLOGICAL AGENTS' PROTECTIVE, SIZE MEDIUM	1
1	PAFFF	8415-00-099-6970	81349	MIL-C-2181	COVERALLS, TOXICOLOGICAL AGENTS' PROTECTIVE, SIZE LARGE	1
1	PAFFF	8415-01-105-2535	81349	MIL-C-2181	COVERALLS, TOXICOLOGICAL AGENTS' PROTECTIVE, SIZE X-LARGE	1
2	PAFFF	8415-00-281-7813	81349	MIL-A-2334	APRON, TOXICOLOGICAL AGENTS' PROTECTIVE, SIZE X-SMALL	1
2	PAFFF	8415-00-281-7814	81349	MIL-A-2334	APRON, TOXICOLOGICAL AGENTS' PROTECTIVE, SIZE SMALL	1
2	PAFFF	8415-00-281-7815	81349	MIL-A-2334	APRON, TOXICOLOGICAL AGENTS' PROTECTIVE, SIZE MEDIUM	1
2	PAFFF	8415-00-281-7812	81349	MIL-A-2334	APRON, TOXICOLOGICAL AGENTS' PROTECTIVE, SIZE LARGE	1
2	PAFFF	8415-00-281-7816	81349	MIL-A-2334	APRON, TOXICOLOGICAL AGENTS' PROTECTIVE, SIZE X-LARGE	1
3	PAFZZ	8415-00-889-3654	81349	MIL-M-41837	.MAINTENANCE KIT, TOXICOLOGICAL AGENTS' PROTECTIVE CLOTHING, BUTYL RUBBER COATED, MLL-M-41837	1
4	PAFZZ	8315-00-297-1553	81349	MIL-B-371	.BRAID, TEXTILE, SOLID, COTTON, OLIVE GREEN, ARMY SHADE 107, 3/16 IN WIDE, 16.5 OZ PER GROSS YD, TYPE III	1
END OF FIGURE						

FIELD
PARTS INFORMATION
CAMOUFLAGE PATTERN COAT
(BATTLE DRESS UNIFORM—BDU)

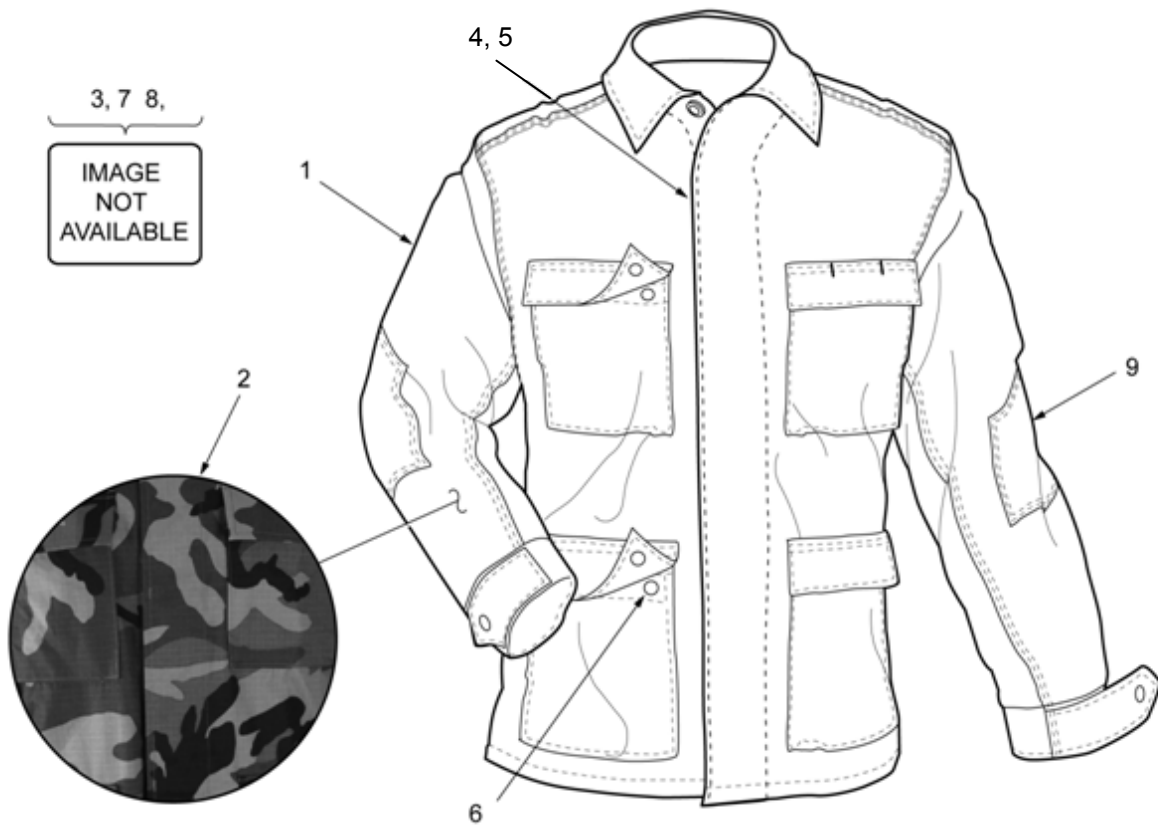


Figure 50. Camouflage Pattern Coat (Battle Dress Uniform-BDU).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 29 FIG. 50. CAMOUFLAGE PATTERN COAT (BATTLE DRESS UNIFORM – BDU)						
1	PAFFF	8415-01-084-1639	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE X- SMALL X-SHORT	1
1	PAFFF	8415-01-084-1640	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE X- SMALL SHORT	1
1	PAFFF	8415-01-134-3170	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE X- SMALL REGULAR	1
1	PAFFF	8415-01-084-1653	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE SMALL XX-SHORT	1
1	PAFFF	8415-01-084-1641	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE SMALL X-SHORT	1
1	PAFFF	8415-01-084-1642	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE SMALL SHORT	1
1	PAFFF	8415-01-084-1643	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE SMALL REGULAR	1
1	PAFFF	8415-01-084-1644	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE SMALL LONG	1
1	PAFFF	8415-01-134-3171	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE SMALL X-LONG	1
1	PAFFF	8415-01-084-1654	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE MEDIUM XX-SHORT	1
1	PAFFF	8415-01-084-1645	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE MEDIUM X-SHORT	1
1	PAFFF	8415-01-084-1646	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE MEDIUM SHORT	1
1	PAFFF	8415-01-084-1647	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE MEDIUM REGULAR	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-084-1648	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-134-3172	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE MEDIUM X-LONG	1
1	PAFFF	8415-01-084-1655	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE LARGE X-SHORT	1
1	PAFFF	8415-01-084-1649	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE LARGE SHORT	1
1	PAFFF	8415-01-084-1656	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE LARGE REGULAR	1
1	PAFFF	8415-01-084-1650	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE LARGE LONG	1
1	PAFFF	8415-01-134-3173	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE LARGE X-LONG	1
1	PAFFF	8415-01-084-1651	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE X- LARGE REGULAR	1
1	PAFFF	8415-01-084-1652	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, TEMPERATE, WOODLAND, SIZE X- LARGE LONG	1
1	PAFFF	8415-01-390-8537	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE X-SMALL X-SHORT	1
1	PAFFF	8415-01-390-8546	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE X-SMALL SHORT	1
1	PAFFF	8415-01-184-1320	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE X-SMALL REGULAR	1
1	PAFFF	8415-01-390-9641	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE SMALL XX-SHORT	1
1	PAFFF	8415-01-390-9646	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE SMALL X-SHORT	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-184-1323	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE SMALL SHORT	1
1	PAFFF	8415-01-184-1324	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE SMALL REGULAR	1
1	PAFFF	8415-01-184-1325	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE SMALL LONG	1
1	PAFFF	8415-01-390-8540	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE SMALL X-LONG	1
1	PAFFF	8415-01-390-8542	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE MEDIUM XX-SHORT	1
1	PAFFF	8415-01-390-8541	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE MEDIUM X-SHORT	1
1	PAFFF	8415-01-184-1329	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE MEDIUM SHORT	1
1	PAFFF	8415-01-184-1330	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE MEDIUM REGULAR	1
1	PAFFF	8415-01-184-1331	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-390-8547	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE MEDIUM X-LONG	1
1	PAFFF	8415-01-390-8557	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE LARGE X-SHORT	1
1	PAFFF	8415-01-184-1334	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE LARGE SHORT	1
1	PAFFF	8415-01-184-1335	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE LARGE REGULAR	1
1	PAFFF	8415-01-184-1336	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE LARGE LONG	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-184-1337	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE LARGE X-LONG	1
1	PAFFF	8415-01-184-1338	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE X-LARGE REGULAR	1
1	PAFFF	8415-01-184-1339	81349	MIL-C-44048	COAT, CAMOUFLAGE PATTERN, HOT WEATHER, WOODLAND, SIZE X-LARGE LONG	1
2	PAFZZ	8305-01-084-1670	81349	MIL-C-44031	.CLOTH, COTTON/NYLON; TWILL WOODLAND CAMOUFLAGE PRINT, CONFORMING TO CLASS 1 OF MIL- C-44031	1
3	XBFZZ	8305-01-167-8403	81349	MIL-C-43468	.CLOTH, WIND RESISTANT POPLIN COTTON (HOT WEATHER BATTLE DRESS UNIFORMS)	1
4	XBFZZ	Local Purchase	81349	MIL-T-43566	.TAPE, TEXTILE, COTTON; TAN 337, CONFORMING TO TYPE I, CLASS 3 OF MIL-T-43566.	1
5	PAFZZ	8315-00-255-7673	81349	MIL-T-5038	.TAPE, TEXTILE, NYLON; OLIVE DRAB NO. 7, CONFORMING TO TYPE III OF MIL-T-5038.	1
6	PAFZZ	8315-00-899-0029	81348	V-B-871	.BUTTONS SEWING HOLE, COMPOSITION, TYPE II, CLASS D, STYLE 26, 30 LINE, OLIVE GREEN BP CABLE NO. 62016, CONFORMING TO V-B-871	1
7	PAFZZ	8310-01-066-0973	58536	A-A-50199A	.THREAD, COTTON-COVERED, POLYESTER. TICKET NO. 50/3 PLY. OD-S1, CONFORMING TO MIL-T- 43548	1
8	PAFZZ	8310-00-262-0094	58536	A-A-50198A	.THREAD, GIMP, COTTON OD-S1, TYPE I OR II SIZE 8 CONFORMING TO V-T-280	1
9	PAFZZ	8305-00-460-4200	81349	MIL-C-43677	.CLOTH, COATED; IRON-ON PATCH, MIL-C-43677, TY I	1

END OF FIGURE

FIELD
PARTS INFORMATION
CAMOUFLAGE PATTERN TROUSERS
(BATTLE DRESS UNIFORM-BDU)

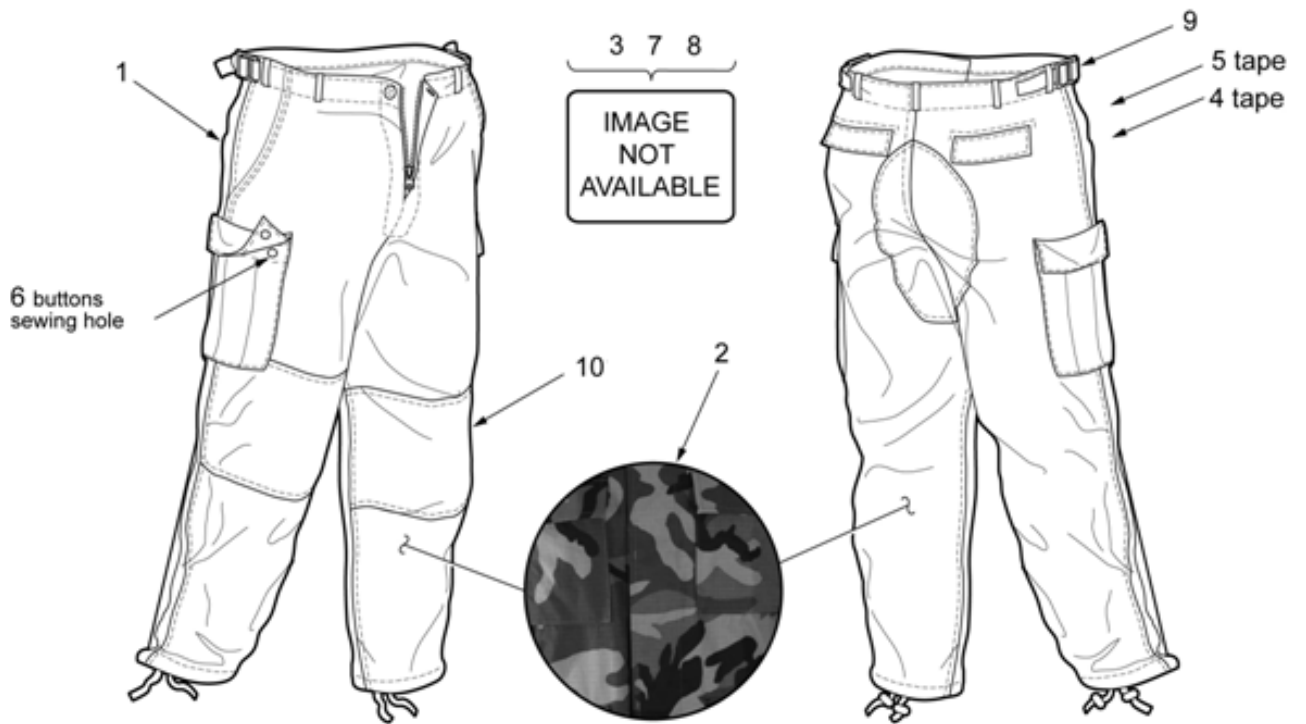


Figure 51. Camouflage Pattern Trousers (Battle Dress Uniform–BDU).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 30						
FIG. 51. CAMOUFLAGE PATTERN						
TROUSERS (BATTLE DRESS						
UNIFORM – BDU)						
1	PAFFF	8415-01-084-1705	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE X-SMALL, X- SHORT	1
1	PAFFF	8415-01-084-1716	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE X-SMALL, SHORT	1
1	PAFFF	8415-01-084-1706	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE X-SMALL, REGULAR	1
1	PAFFF	8415-01-134-3193	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE X-SMALL, LONG	1
1	PAFFF	8415-01-084-1707	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE SMALL, X-SHORT	1
1	PAFFF	8415-01-084-1708	81349	MIL-C-44048	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE SMALL, SHORT	1
1	PAFFF	8415-01-084-1709	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE SMALL, REGULAR	1
1	PAFFF	8415-01-084-1710	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE SMALL, LONG	1
1	PAFFF	8415-01-134-3194	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE SMALL, X-LONG	1
1	PAFFF	8415-01-084-1711	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE MEDIUM, X- SHORT	1
1	PAFFF	8415-01-084-1712	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE MEDIUM, SHORT	1
1	PAFFF	8415-01-084-1713	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE MEDIUM, REGULAR	1
						1
						1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-084-1717	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-134-3195	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE MEDIUM X-LONG	1
1	PAFFF	8415-01-084-1016	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE LARGE SHORT	1
1	PAFFF	8415-01-084-1017	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE LARGE REGULAR	1
1	PAFFF	8415-01-084-1714	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE LARGE LONG	1
1	PAFFF	8415-01-134-3196	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE LARGE X-LONG	1
1	PAFFF	8415-01-084-1718	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE X-LARGE SHORT	1
1	PAFFF	8415-01-084-1715	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE X-LARGE REGULAR	1
1	PAFFF	8415-01-134-3197	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, TEMPERATE, BDU, WOODLAND, SIZE X-LARGE LONG	1
1	PAFFF	8415-01-390-8554	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE X-SMALL, X- SHORT	1
1	PAFFF	8415-01-390-8556	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE X-SMALL, SHORT	1
1	PAFFF	8415-01-291-1061	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE X-SMALL, REGULAR	1
1	PAFFF	8415-01-390-8939	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE X-SMALL, LONG	1
1	PAFFF	8415-01-390-8940	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE SMALL, X-SHORT	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-391-1062	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE SMALL, SHORT	1
1	PAFFF	8415-01-184-1346	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE SMALL, REGULAR	1
1	PAFFF	8415-01-390-8941	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE SMALL, LONG	1
1	PAFFF	8415-01-390-8942	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE SMALL, X-LONG	1
1	PAFFF	8415-01-390-8945	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE MEDIUM, X- SHORT	1
1	PAFFF	8413-01-184-1350	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE MEDIUM, SHORT	1
1	PAFFF	8415-01-184-1351	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE MEDIUM, REGULAR	1
1	PAFFF	8415-01-184-1352	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE MEDIUM LONG	1
1	PAFFF	8415-01-184-1353	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE MEDIUM X-LONG	1
1	PAFFF	8415-01-184-1354	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE LARGE SHORT	1
1	PAFFF	8415-01-184-1355	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE LARGE REGULAR	1
1	PAFFF	8415-01-184-1356	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE LARGE LONG	1
1	PAFFF	8415-01-184-1357	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE LARGE X-LONG	1
1	PAFFF	8415-01-184-1358	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE X-LARGE SHORT	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-184-1359	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE X-LARGE REGULAR	1
1	PAFFF	8415-01-184-1360	81349	MIL-T-44047	TROUSERS, CAMOUFLAGE PATTERN, HOT WEATHER, BDU, WOODLAND, SIZE X-LARGE LONG	1
2	PAFZZ	8305-01-084-1670	81349	MIL-C-44031	.CLOTH, COTTON/NYLON; TWILL WOODLAND CAMOUFLAGE PRINT, CONFORMING TO CLASS 1 OF MIL- C-44031	YD
3	PAFZZ	8305-01-167-8403	81349	MIL-C-43468	.CLOTH, WIND RESISTANT POPLIN COTTON (HOT WEATHER BATTLE DRESS UNIFORMS)	YD
4	XBFZZ				.TAPE, TEXTILE, COTTON; TAN 337, CONFORMING TO TYPE I, CLASS 3 OF MIL-T-43566.	YD
5	PAFZZ	8315-00-255-7673	81349	MIL-T-5038	.TAPE, TEXTILE, NYLON; OLIVE DRAB NO. 7, CONFORMING TO TYPE III OF MIL-T-5038.	YD
6	PAFZZ	8315-00-899-0029	81348	V-B-871	.BUTTONS SEWING HOLE, COMPOSITION, TYPE II, CLASS D, STYLE 26, 30 LINE, OLIVE GREEN BP CABLE NO. 62016, CONFORMING TO V-B-871	GR
7	PAFZZ	8310-01-066-0973	58536	A-A-50199A	.THREAD, COTTON-COVERED, POLYESTER. TICKET NO. 50/3 PLY. OD-S1, CONFORMING TO MIL-T- 43548	CE
8	PAFZZ	8310-00-262-0094	58536	A-A-50198A	.THREAD, GIMP, COTTON OD-S1, TYPE I OR II SIZE 8 CONFORMING TO V-T-280	SL
9	XBFZZ				.BUCKLES, WAIST ADJUSTMENT STRAP; CANNIBALIZE FROM SALVAGE TROUSERS	EA
10	PAFZZ	8305-00-460-4200	81349	MIL-C-43677	.CLOTH, COATED; IRON-ON PATCH, MIL-C-43677, TY I	YD

END OF FIGURE

FIELD
PARTS INFORMATION
COMBAT COAT AND TROUSERS
(ARMY COMBAT UNIFORM-ACU)

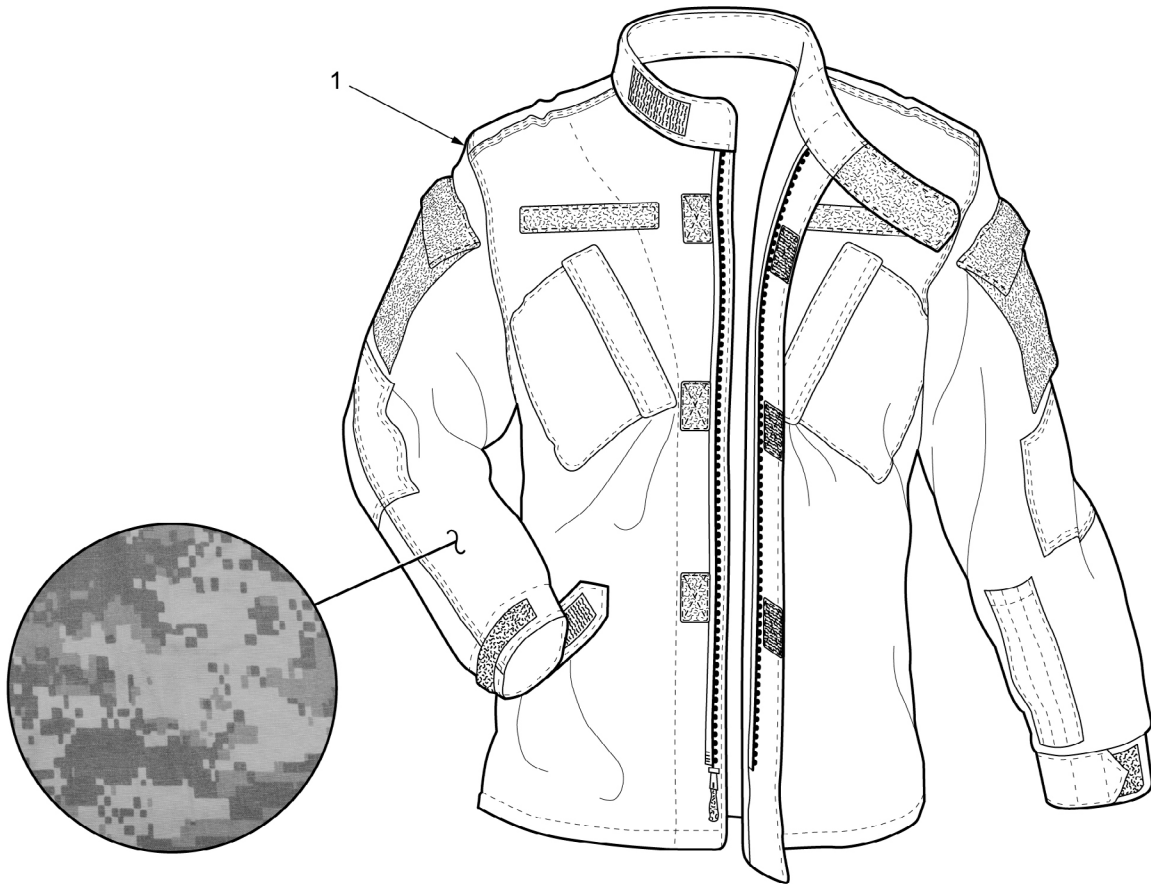


Figure 52. Combat Coat (Army Combat Uniform–ACU).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 31						
FIG. 52 COMBAT COAT (ARMY						
COMBAT UNIFORM-ACU)						
1	PAFFF	8415-01-527-5215	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-SMALL, XX-SHORT)	1
1	PAFFF	8415-01-519-8487	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-SMALL, X-SHORT)	1
1	PAFFF	8415-01-519-8491	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-SMALL, SHORT)	1
1	PAFFF	8415-01-519-8497	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-SMALL, REGULAR)	1
1	PAFFF	8415-01-527-5047	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-SMALL, LONG)	1
1	PAFFF	8415-01-527-5048	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-SMALL, X-LONG)	1
1	PAFFF	8415-01-519-8499	81337	GL/PD 07-13	COAT, COMBAT, ACU (SMALL, XX-SHORT)	1
1	PAFFF	8415-01-519-8500	81337	GL/PD 07-13	COAT, COMBAT, ACU (SMALL, X-SHORT)	1
1	PAFFF	8415-01-519-8500	81337	GL/PD 07-13	COAT, COMBAT, ACU (SMALL, SHORT)	1
1	PAFFF	8415-01-519-8501	81337	GL/PD 07-13	COAT, COMBAT, ACU (SMALL, REGULAR)	1
1	PAFFF	8415-01-519-8504	81337	GL/PD 07-13	COAT, COMBAT, ACU (SMALL, LONG)	1
1	PAFFF	8415-01-519-8506	81337	GL/PD 07-13	COAT, COMBAT, ACU (SMALL, X-LONG)	1
1	PAFFF	8415-01-519-8505	81337	GL/PD 07-13	COAT, COMBAT, ACU (MEDIUM, XX-SHORT)	1
1	PAFFF	8415-01-519-8507	81337	GL/PD 07-13	COAT, COMBAT, ACU (MEDIUM, X-SHORT)	1
1	PAFFF	8415-01-519-8509	81337	GL/PD 07-13	COAT, COMBAT, ACU (MEDIUM, SHORT)	1
1	PAFFF	8415-01-519-8510	81337	GL/PD 07-13	COAT, COMBAT, ACU (LARGE, REGULAR)	1
1	PAFFF	8415-01-519-8512	81337	GL/PD 07-13	COAT, COMBAT, ACU (MEDIUM, LONG)	1
1	PAFFF	8415-01-519-8513	81337	GL/PD 07-13	COAT, COMBAT, ACU (MEDIUM, X-LONG)	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-527-5218	81337	GL/PD 07-13	COAT, COMBAT, ACU (MEDIUM, XX-LONG)	1
1	PAFFF	8465-01-527-5219	81337	GL/PD 07-13	COAT, COMBAT, ACU (LARGE, XX-SHORT)	1
1	PAFFF	8415-01-519-8514	81337	GL/PD 07-13	COAT, COMBAT, ACU (LARGE, X-SHORT)	1
1	PAFFF	8415-01-519-8532	81337	GL/PD 07-13	COAT, COMBAT, ACU (LARGE, SHORT)	1
1	PAFFF	8415-01-519-8599	81337	GL/PD 07-13	COAT, COMBAT, ACU (LARGE, REGULAR)	1
1	PAFFF	8415-01-519-8607	81337	GL/PD 07-13	COAT, COMBAT, ACU (LARGE, LONG)	1
1	PAFFF	8415-01-519-8608	81337	GL/PD 07-13	COAT, COMBAT, ACU (LARGE, X-LONG)	1
1	PAFFF	8415-01-519-8611	81337	GL/PD 07-13	COAT, COMBAT, ACU (LARGE, XX-LONG)	1
1	PAFFF	8415-01-527-5220	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-LARGE, XX-SHORT)	1
1	PAFFF	8415-01-527-5222	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-LARGE, X-SHORT)	1
1	PAFFF	8415-01-527-5049	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-LARGE, SHORT)	1
1	PAFFF	8415-01-519-8613	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-LARGE, REGULAR)	1
1	PAFFF	8415-01-519-8610	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-LARGE, LONG)	1
1	PAFFF	8415-01-519-8609	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-LARGE, X-LONG)	1
1	PAFFF	8415-01-527-5223	81337	GL/PD 07-13	COAT, COMBAT, ACU (X-LARGE, XX-LONG)	1
1	PAFFF	8415-01-527-5051	81337	GL/PD 07-13	COAT, COMBAT, ACU (XX-LARGE, REGULAR)	1
1	PAFFF	8415-01-527-5053	81337	GL/PD 07-13	COAT, COMBAT, ACU (XX-LARGE, LONG)	1
1	PAFFF	8415-01-519-8612	81337	GL/PD 07-13	COAT, COMBAT, ACU (XX-LARGE, X-LONG)	1
1	PAFFF	8415-01-527-5224	81337	GL/PD 07-13	COAT, COMBAT, ACU (XX-LARGE, XX-LONG)	1

END OF FIGURE

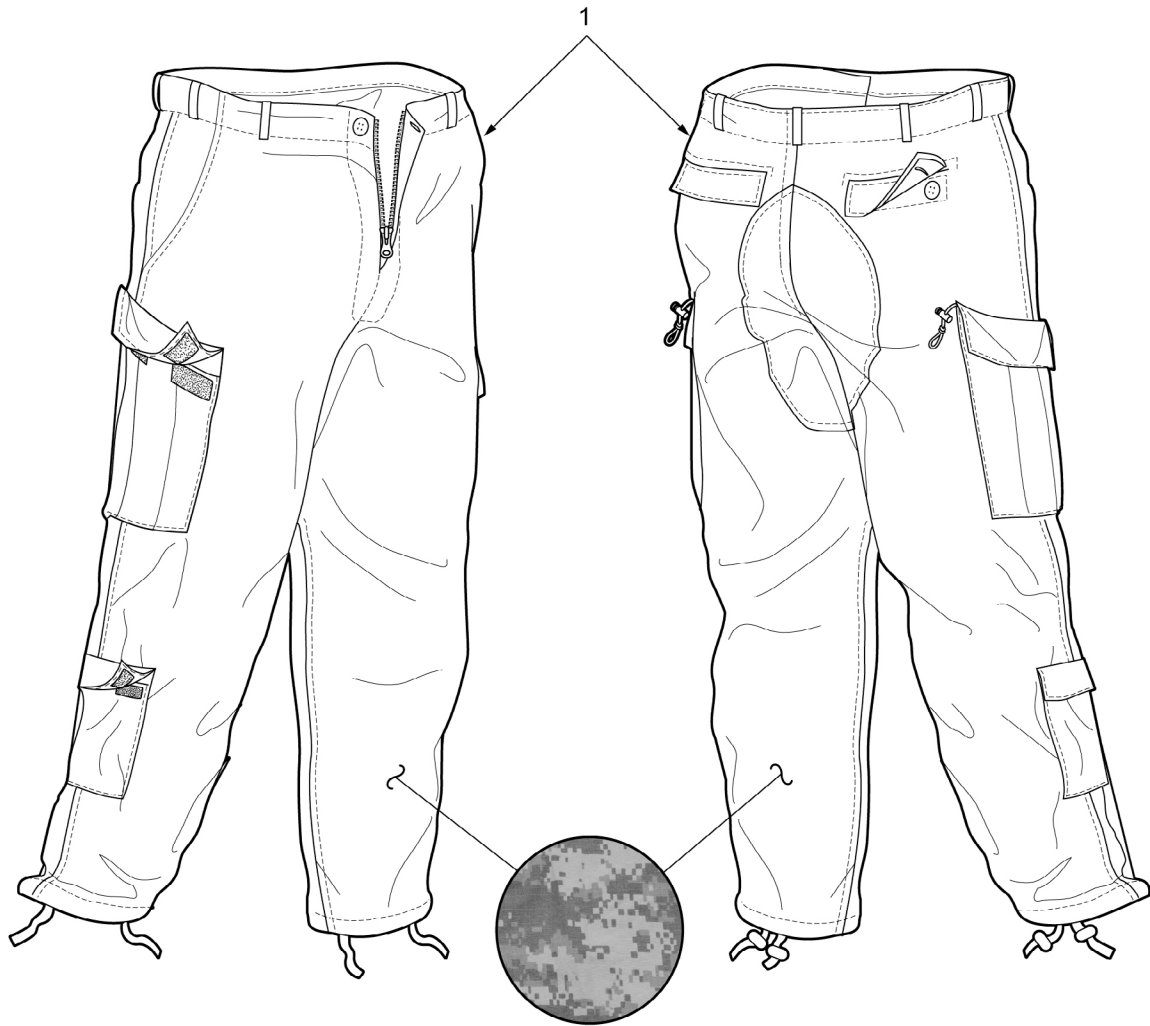


Figure 53. Combat Trousers (Army Combat Uniform-ACU).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 31 FIG. 53 COMBAT TROUSERS (ARMY COMBAT UNIFORM-ACU)						
1	PAFFF	8415-01-519-8277	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-SMALL, X-SHORT)	1
1	PAFFF	8415-01-519-8404	81337	GL/PD 07-14	TROUSERS, ARMY COMBAT UNIFORM (X-SMALL, SHORT)	1
1	PAFFF	8415-01-519-8410	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-SMALL, REGULAR)	1
1	PAFFF	8415-01-519-8427	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-SMALL, LONG)	1
1	PAFFF	8415-01-519-8408	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-SMALL, X-LONG)	1
1	PAFFF	8415-01-519-8279	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-SMALL, XX-LONG)	1
1	PAFFF	8415-01-519-8416	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (SMALL, X-SHORT)	1
1	PAFFF	8415-01-519-8414	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (SMALL, SHORT)	1
1	PAFFF	8415-01-519-8423	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (SMALL, REGULAR)	1
1	PAFFF	8415-01-519-8418	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (SMALL, LONG)	1
1	PAFFF	8415-01-519-8419	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (SMALL, X-LONG)	1
1	PAFFF	8415-01-527-5247	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (SMALL, XX-LONG)	1
1	PAFFF	8415-01-519-8422	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (MEDIUM, X-SHORT)	1
1	PAFFF	8415-01-519-8426	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (MEDIUM, SHORT)	1
1	PAFFF	8415-01-519-8429	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (LARGE, REGULAR)	1
1	PAFFF	8415-01-519-8430	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (MEDIUM, LONG)	1
1	PAFFF	8415-01-519-8431	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (MEDIUM, X-LONG)	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8415-01-527-5266	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (MEDIUM, XX-LONG)	1
1	PAFFF	8415-01-527-5269	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (LARGE, X-SHORT)	1
1	PAFFF	8415-01-519-8532	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (LARGE, SHORT)	1
1	PAFFF	8415-01-519-8435	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (LARGE, REGULAR)	1
1	PAFFF	8415-01-519-8434	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (LARGE, LONG)	1
1	PAFFF	8415-01-519-8436	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (LARGE, X-LONG)	1
1	PAFFF	8415-01-527-5273	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (LARGE, XX-LONG)	1
1	PAFFF	8415-01-527-5274	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-LARGE, X-SHORT)	1
1	PAFFF	8415-01-519-8444	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-LARGE, SHORT)	1
1	PAFFF	8415-01-519-8445	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-LARGE, REGULAR)	1
1	PAFFF	8415-01-519-8446	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-LARGE, LONG)	1
1	PAFFF	8415-01-527-5275	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-LARGE, X-LONG)	1
1	PAFFF	8415-01-527-5277	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (X-LARGE, XX-LONG)	1
1	PAFFF	8415-01-527-5290	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (XX-LARGE, X-SHORT)	1
1	PAFFF	8415-01-527-5291	81337	GL/PD 07-14	TROUSERS OAT, COMBAT, ACU (XX-LARGE, SHORT)	1
1	PAFFF	8415-01-519-8447	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (XX-LARGE, REGULAR)	1
1	PAFFF	8415-01-527-5292	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (XX-LARGE, LONG)	1
1	PAFFF	8415-01-527-5293	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (XX-LARGE, X-LONG)	1
1	PAFFF	8415-01-527-5296	81337	GL/PD 07-14	TROUSERS, COMBAT, ACU (XX-LARGE, XX-LONG)	1

END OF FIGURE

FIELD
PARTS INFORMATION
ARMY COMBAT UNIFORM PATROL CAP

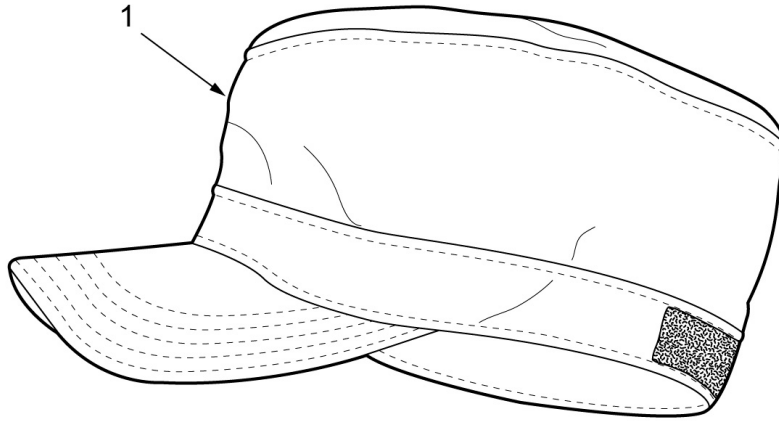


Figure 54. Army Combat Uniform Patrol Cap.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 32 FIG. 54 ARMY COMBAT UNIFORM PATROL CAP						
1	PAFFF	8415-01-519-9106	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (6 3/8)	1
1	PAFFF	8415-01-519-9107	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (6 1/2)	1
1	PAFFF	8415-01-519-9109	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (6 5/8)	1
1	PAFFF	8415-01-519-9110	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (6 3/4)	1
1	PAFFF	8415-01-519-9111	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (6 7/8)	1
1	PAFFF	8415-01-519-9115	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (7)	1
1	PAFFF	8415-01-196-9116	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (7 1/8)	1
1	PAFFF	8415-01-519-9118	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (7 1/4)	1
1	PAFFF	8415-01-519-9119	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (7 3/8)	1
1	PAFFF	8415-01-519-9123	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (7 5/8)	1
1	PAFFF	8415-01-519-9125	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (7 1/2)	1
1	PAFFF	8415-01-519-9126	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (7 3/4)	1
1	PAFFF	8415-01-519-9127	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (7 7/8)	1
1	PAFFF	8415-01-519-9128	81337	FQ/PD-04-14	CAP, PATROL, ARMY COMBAT UNIFORM (8)	1
END OF FIGURE						

**FIELD
PARTS INFORMATION
MATERNITY COAT AND SLACKS**

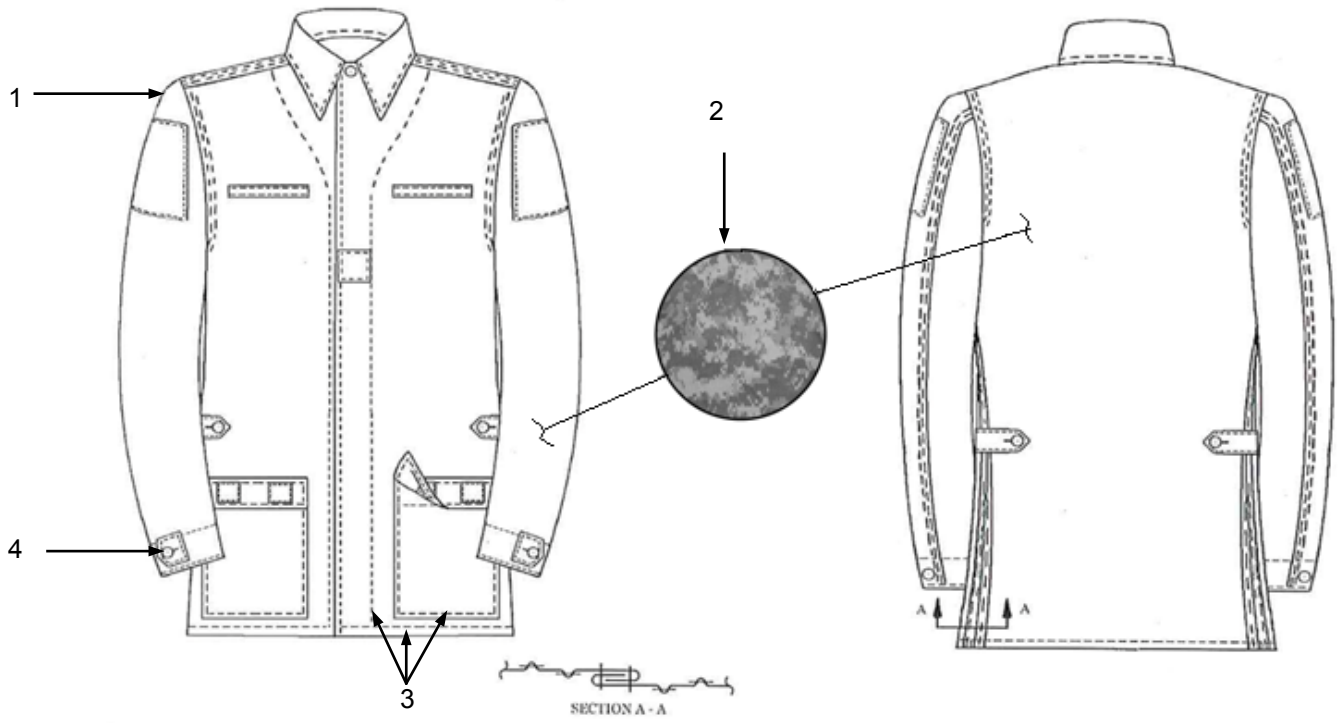


Figure 55. Maternity Coat.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 33 FIG. 55. MATERNITY COAT						
1	PAFFF	8410-01-527-5024	81349	MIL-C-44111	COAT, MATERNITY, SIZE 6 SHORT	EA
1	PAFFF	8410-01-527-4983	81349	MIL-C-44111	COAT, MATERNITY, SIZE 6 REGULAR	EA
1	PAFFF	8410-01-527-4985	81349	MIL-C-44111	COAT, MATERNITY, SIZE 6 LONG	EA
1	PAFFF	8410-01-527-4986	81349	MIL-C-44111	COAT, MATERNITY, SIZE 8 SHORT	EA
1	PAFFF	8410-01-527-4987	81349	MIL-C-44111	COAT, MATERNITY, SIZE 8 REGULAR	EA
1	PAFFF	8410-01-527-4988	81349	MIL-C-44111	COAT, MATERNITY, SIZE 8 LONG	EA
1	PAFFF	8410-01-527-4989	81349	MIL-C-44111	COAT, MATERNITY, SIZE 10 SHORT	EA
1	PAFFF	8410-01-527-4992	81349	MIL-C-44111	COAT, MATERNITY, SIZE 10 REGULAR	EA
1	PAFFF	8410-01-527-4993	81349	MIL-C-44111	COAT, MATERNITY, SIZE 10 LONG	EA
1	PAFFF	8410-01-527-4996	81349	MIL-C-44111	COAT, MATERNITY, SIZE 12 SHORT	EA
1	PAFFF	8410-01-527-4997	81349	MIL-C-44111	COAT, MATERNITY, SIZE 12 REGULAR	EA
1	PAFFF	8410-01-527-4998	81349	MIL-C-44111	COAT, MATERNITY, SIZE 12 LONG	EA
1	PAFFF	8410-01-527-4999	81349	MIL-C-44111	COAT, MATERNITY, SIZE 14 SHORT	EA
1	PAFFF	8410-01-527-5000	81349	MIL-C-44111	COAT, MATERNITY, SIZE 14 REGULAR	EA
1	PAFFF	8410-01-527-5001	81349	MIL-C-44111	COAT, MATERNITY, SIZE 14 LONG	EA
1	PAFFF	8410-01-527-5002	81349	MIL-C-44111	COAT, MATERNITY, SIZE 16 SHORT	EA
1	PAFFF	8410-01-527-5003	81349	MIL-C-44111	COAT, MATERNITY, SIZE 16 REGULAR	EA
1	PAFFF	8410-01-527-5004	81349	MIL-C-44111	COAT, MATERNITY, SIZE 16 LONG	EA
1	PAFFF	8410-01-527-5006	81349	MIL-C-44111	COAT, MATERNITY, SIZE 18 SHORT	EA

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8410-01-527-5008	81349	MIL-C-44111	COAT, MATERNITY, SIZE 18 REGULAR	EA
1	PAFFF	8410-01-527-5010	81349	MIL-C-44111	COAT, MATERNITY, SIZE 18 LONG	EA
1	PAFFF	8410-01-527-5011	81349	MIL-C-44111	COAT, MATERNITY, SIZE 20 SHORT	EA
1	PAFFF	8410-01-527-5016	81349	MIL-C-44111	COAT, MATERNITY, SIZE 20 REGULAR	EA
1	PAFFF	8410-01-527-5017	81349	MIL-C-44111	COAT, MATERNITY, SIZE 20 LONG	EA
1	PAFFF	8410-01-527-5019	81349	MIL-C-44111	COAT, MATERNITY, SIZE 22 SHORT	EA
1	PAFFF	8410-01-527-5021	81349	MIL-C-44111	COAT, MATERNITY, SIZE 22 REGULAR	EA
1	PAFFF	8410-01-527-5014	81349	MIL-C-44111	COAT, MATERNITY, SIZE 22 LONG	EA
2	PAFZZ	8305-01-534-0223	81349	MIL-DTL-44436	.CLOTH, WIND RESISTANT POPLIN, NYLON/COTTON BLEND	YD
3	PAFZZ	8310-01-066-0973	58536	A-A-50199A	.THREAD, COTTON- COVERED POLYESTER, OLIVE DRAB S-1, C.A. 66022, SIZE 50, 3 PLY	TU
4	PAFZZ	8315-00-899-0029	81348	V-B-871	.BUTTON, SEWING HOLE, V- B-871, TYPE II, CLASS D, STYLE 26, SIZE 30 LINE, OLIVE GREEN C.A. 62016	GR
END OF FIGURE						

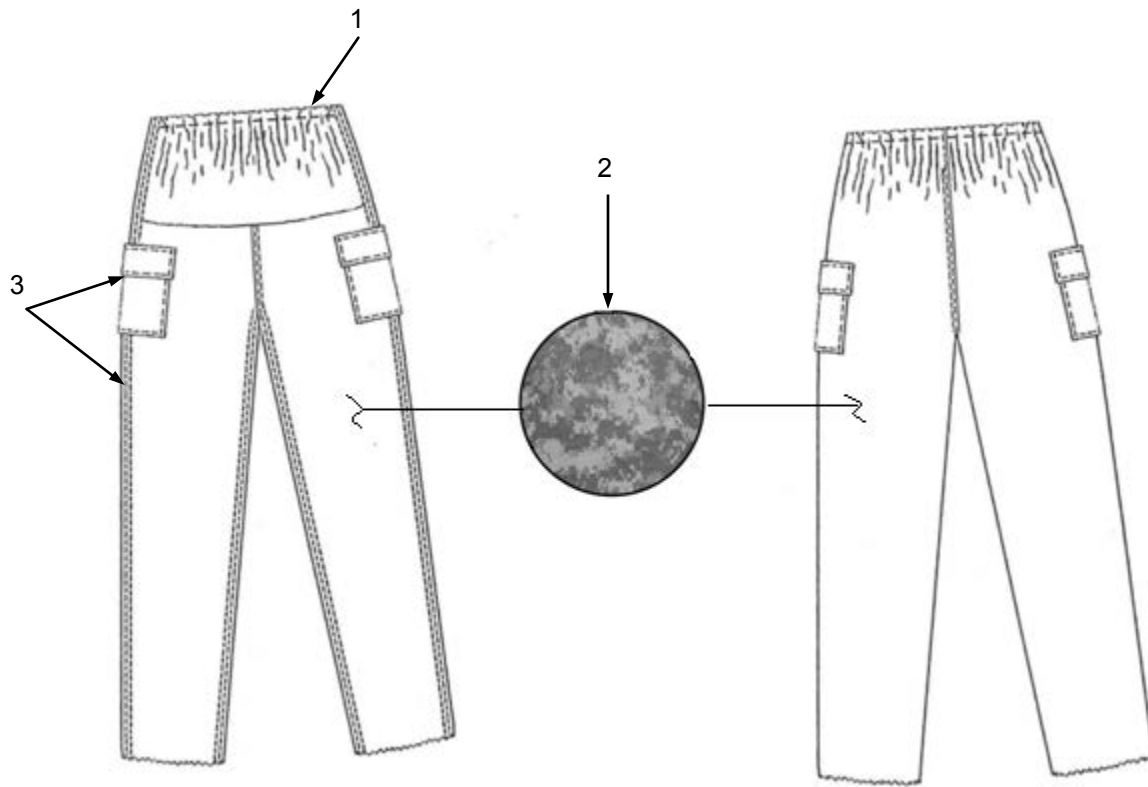


Figure 56. Maternity Slacks.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 33 FIG. 56. MATERNITY SLACKS						
1	PAFFF	8410-01-527-4723	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 6 SHORT	EA
1	PAFFF	8410-01-527-4957	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 6 REGULAR	EA
1	PAFFF	8410-01-527-4686	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 6 LONG	EA
1	PAFFF	8410-01-527-4687	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 8 SHORT	EA
1	PAFFF	8410-01-527-4688	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 8 REGULAR	EA
1	PAFFF	8410-01-527-4691	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 8 LONG	EA
1	PAFFF	8410-01-527-4721	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 10 SHORT	EA
1	PAFFF	8410-01-527-4725	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 10 REGULAR	EA
1	PAFFF	8410-01-527-4887	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 10 LONG	EA
1	PAFFF	8410-01-527-4889	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 12 SHORT	EA
1	PAFFF	8410-01-527-4892	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 12 REGULAR	EA
1	PAFFF	8410-01-527-4896	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 12 LONG	EA
1	PAFFF	8410-01-527-4900	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 14 SHORT	EA
1	PAFFF	8410-01-527-4902	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 14 REGULAR	EA
1	PAFFF	8410-01-527-4906	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 14 LONG	EA
1	PAFFF	8410-01-527-4908	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 16 SHORT	EA
1	PAFFF	8410-01-527-4911	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 16 REGULAR	EA
1	PAFFF	8410-01-527-4914	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 16 LONG	EA
1	PAFFF	8410-01-527-4935	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 18 SHORT	EA

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFFF	8410-01-527-4941	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 18 REGULAR	EA
1	PAFFF	8410-01-527-4943	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 18 LONG	EA
1	PAFFF	8410-01-527-4945	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 20 SHORT	EA
1	PAFFF	8410-01-527-4946	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 20 REGULAR	EA
1	PAFFF	8410-01-527-4947	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 20 LONG	EA
1	PAFFF	8410-01-527-4949	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 22 SHORT	EA
1	PAFFF	8410-01-527-4954	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 22 REGULAR	EA
1	PAFFF	8410-01-527-4955	81349	MIL-S-44110	SLACKS, MATERNITY, SIZE 22 LONG	EA
2	PAFZZ	8305-01-534-0223	81349	MIL-DTL-44436	.CLOTH, WIND RESISTANT POPLIN, NYLON/COTTON BLEND	YD
3	PAFZZ	8310-01-066-0973	58536	A-A-50199A	.THREAD, COTTON-COVERED POLYESTER, MIL-T-43548 OLIVE DRAB S-1, C.A. 66022, SIZE 50, 3 PLY	TU
END OF FIGURE						

FIELD
PARTS INFORMATION
HEADGEAR

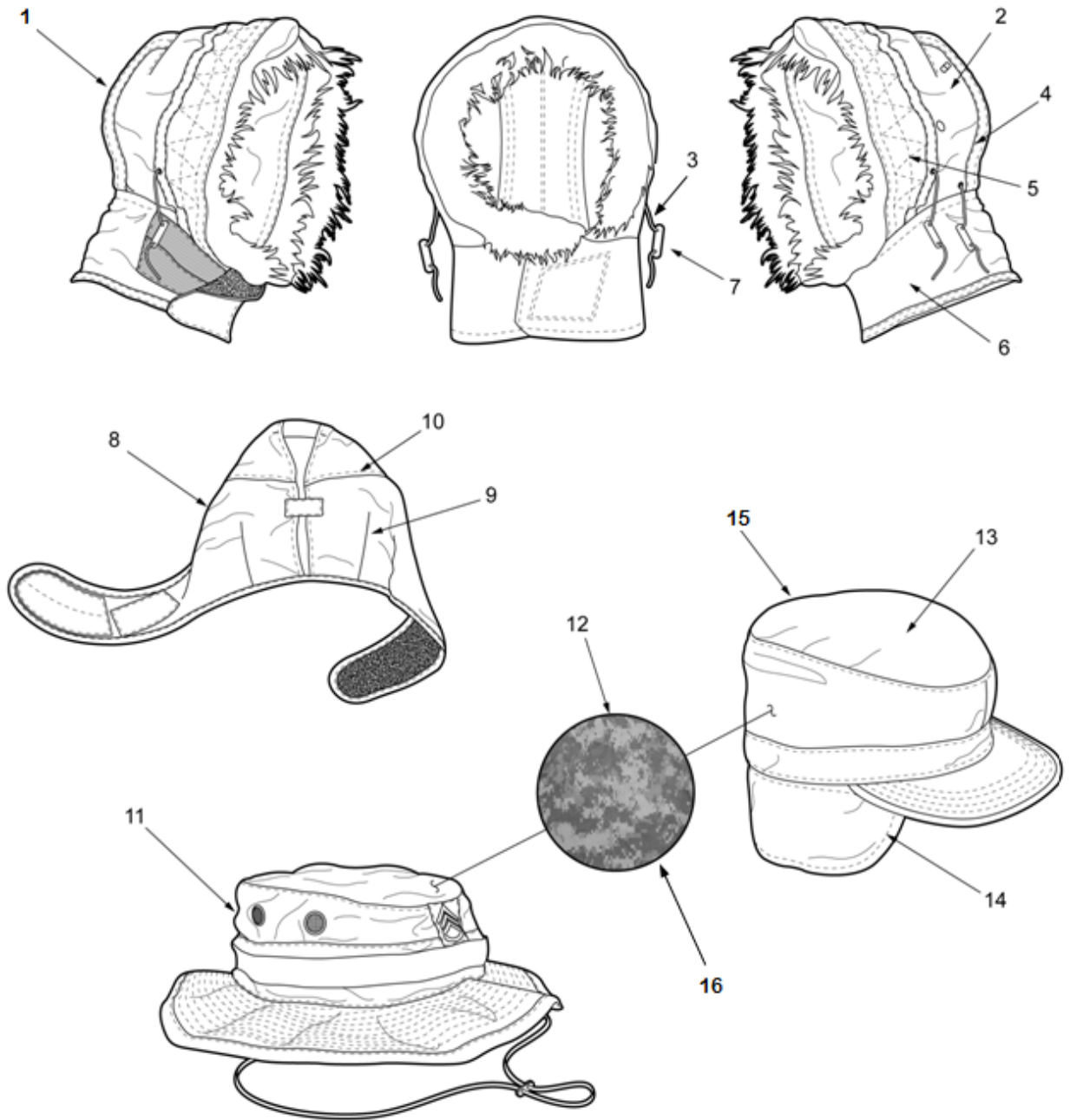


Figure 57. Headgear.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 34 FIG. 57 HEADGEAR						
1	PAFFF	8415-00-782-3004	81349	MIL-H-43555	HOOD, EXTREME COLD WEATHER	EA
2	PAFZZ		81349	MIL-C-3924	.CLOTH, OXFORD, COTTON WARP AND NYLON FILLING, CLASS 2, QUARPEL TREATED, OLIVE GREEN 107	YD
3	PAFZZ		81349	MIL-B-371	.BRAID, COTTON TUBULAR, 1/8 INCH, OG-107, TYPE IV, CLASS 2	YD
4	PAFZZ		81349	A-A-50199	.THREAD, COTTON COVERED RAYON OR POLYESTER, TICKET NO 30/3 PLAY, OLIVE DRAB S-1	YD
5	PAFZZ		81349	A-A-50199	.THREAD, COTTON COVERED RAYON OR POLYESTER TICKET NO. 50/3 PLY OLIVE DRAB S-1 WATER REPELLENT TREATED IN ACCORDANCE WITH TYPE II, CLASSES 2 & 3 OF MIL-T-3550	CE
6	PAFZZ		81349	V-T-280	.GIMP. COTTON: TYPE I OR II, SIZE 8, S- 1, CABLE NO 66022	SL
7	PAFZZ	8315-01-398-8883	81349	V-B-871	.BUTTON, SEWING HOLE, PLASTIC MELAMINE, TAN, TYPE II, CLASS D, STYLE 26	GR
8	PAFFF	8415-01-099-7843	81349	MIL-C-43549	CAP, COLD WEATHER, WOODLAND CAMO, SIZE 6 ½	EA
8	PAFFF	8415-01-099-7844	81349	MIL-C-43549	CAP, COLD WEATHER, WOODLAND CAMO, SIZE 6 ¾	EA
8	PAFFF	8415-01-099-7845	81349	MIL-C-43549	CAP, COLD WEATHER, WOODLAND CAMO, SIZE 7	EA
8	PAFFF	8415-01-099-7846	81349	MIL-C-43549	CAP, COLD WEATHER, WOODLAND CAMO, SIZE 7 ¼	EA
8	PAFFF	8415-01-099-7847	81349	MIL-C-43549	CAP, COLD WEATHER, WOODLAND CAMO, SIZE 7 ½	EA
8	PAFFF	8415-01-099-7848	81349	MIL-C-43549	CAP, COLD WEATHER, WOODLAND CAMO, SIZE 7 ¾	EA
9	PAFZZ		81349	MIL-C-3924	.CLOTH, OXFORD, COTTON WARP AND NYLON FILLING, CLASS 2	YD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
10	PAFZZ		81349	A-A-50199	.THREAD, COTTON COVERED RAYON OR POLYESTER TICKET NO. 50/3 PLY OLIVE DRAB S-1 WATER REPELLENT TREATED IN ACCORDANCE WITH TYPE II, CLASSES 2 & 3 OF MIL-T-3550	CE
11	PAFFF	8415-01-519-8698	81349	MIL-H-44105	HAT, SUN, ARMY WARRIOR, COMBAT, UNIFORM, SIZE 6 3/8	EA
12	PAFZZ		81349	MIL-DTL- 44436	.CLOTH, WIND-RESISTANT POPLIN, NYLON/COTTON BLEND, CLASS 3, DESERT CAMOUFLAGE PATTERN, CLASS 2, WOODLAND CAMOUFLAGE PATTERN, CLASS 7 UNIVERSAL CAMOUFLAGE PATTERN, OR CLASS 10 OPERATION ENDURING FREEDON CAMOUFLAGE PATTERN	YD
13	PAFZZ		81349	MIL-C-3760	.CLOTH, FLANNEL, WOOL AND NYLON, TYPE II, OG 108	TD
14	PAFZZ		81349	A-A-50199	.THREAD, COTTON COVERED RAYON OR POLYESTER TICKET NO. 50/3 PLY OLIVE DRAB S-1 WATER REPELLENT TREATED IN ACCORDANCE WITH TYPE II, CLASSES 2 & 3 OF MIL-T-3550	CE
15	PAFZZ	8415-01-519-9118	81337	FQ/PD-04-14	CAP,PATROL, ARMY COMBAT UNIFORM SIZE 7-1/4	YD
16	PAFZZ		81349	MIL-DTL- 44436	.CLOTH, WIND-RESISTANT POPLIN, NYLON/COTTON BLEND, CLASS 8 UNIVERSAL CAMOUFLAGE PATTERN, OR OPERATION ENDURING FREEDOM CAMOUFLAGE PATTERN	

END OF FIGURE

**FIELD
PARTS INFORMATION
BULK ITEMS**

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP BULK MATERIAL FIG. BULK						
1	XBFZZ	LOCAL PURCHASE	02768	GTSP CORDLOC, 350-6000	BARREL LOCK; BLACK, ITW NEXUS BARRELOC	EA
2	XBFZZ	8320-01-147-2086	81349	MIL-B-41826	BATTING, QUILTED POLYESTER, TYPE VIII, COVER A, STYLE A, CLASS 9 OF MIL-B-41826	
3	XBFZZ	LOCAL PURCHASE	81348	A-A-55127	BATTING, QUILTED, POLYESTER, TYPE III, CLASS 1, STYLE A, MIL-B- 41826.	YD
4	PAFZZ	8315-00-297-1553	81349	MIL-B-371	BRAID, TEXTILE, SOLID, COTTON, OLIVE GREEN, ARMY SHADE 107, 3/16 IN WIDE, 16.5 OZ PER GROSS YD, TYPE III	YD
5	PAFZZ	8315-00-641- 8328	58536	A-A-55093	BRAID, TEXTILE, TUBULAR NYLON, OLIVE GREEN SHADE 7, (FOR TAPE TIES)	YD
6	PAFZZ	8315-00-262-2784	81349	MIL-B-371	BRAID, TEXTILE, TUBULAR, MIL-B- 371, TYPE VII, CLASS 2, 0.344 INCHES WIDTH, GREEN 107	YD
7	PAFZZ	8315- 01-412-4680	81349	MIL-B-371	BRAID, TEXTILE, TUBULAR, NATURAL, TYPE III, CLASS 2 (0.188 IN DIAMETER)	YD
8	PAFZZ	8315-00-240-2147	81349	MIL-B-371	BRAID, TEXTILE, TUBULAR, NATURAL, TYPE IV, CLASS 2 (0.125 IN DIAMETER)	YD
9	PAFZZ	8315-00-267-3125	81349	MIL-B-371	BRAID, TEXTXILE, OLIVE GREEN SHADE 107, 4/32 DIAMETER	YD
10	PAFZZ	5340-00-820-7838	81349	MIL-H-9890	BUCKLE, TONGUELESS, 2 BAR, STYLE 3, 5/8 IN	EA
11	PAFZZ	5340-00-157-7987	81349	MIL-B-543	BUCKLES, ADJUSTMENT STRAP: CONFORM TO TYPE II, STYLE 3, CLASS 3 OF MIL-B-543	EA

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
12	XDFZZ	LOCAL PURCHASE	81349	74-3334 74-0533	BUTTON TACK AND RIVET, BLACK, THE BUTTON TACK SHALL CONFORM TO SCOVILL NO. 74-3334-27-13-0161 OR EQUAL AND THE RIVET SHALL CONFORM TO SCOVILL NO. 74-0533- 14-01-1163 OR EQUAL	EA
13	PAFZZ	8315-00-773-4300	81348	V-B-871	BUTTON, SEWING HOLE, AND BUTTON, STAPLE, (PLASTIC) TYPE II, CLASS D, STYLE 26, 30 LINE, WHITE BA, CABLE 62031, DULL FINISH	GR
14	PAFZZ	8315-00-899-0029	81348	V-B-871	BUTTONS SEWING HOLE, COMPOSITION, TYPE II, CLASS D, STYLE 26, 30 LINE, OLIVE GREEN BP CABLE NO. 62016, CONFORMING TO V-B-871	GR
15	XBFZZ	LOCAL PURCHASE	81349	MIL-C-43906	CLOTH NYLON 78 G/M (2.3 OZ/YD) PLAIN WEAVE NYLON FABRIC COATED ON THE OUTSIDE WITH A 72 G/M (2.1 OZ/YD) AND ON THE INSIDE WITH 51 G/M 1.5 OZ/YD) OF A CROSS LINKED POLYURETHANE, OLIVE GREEN 207 IN COLOR, WITH AN INFRARED REFLECTANCE.	
16	PAFZZ	8305-00-460-4200	81349	MIL-C-43677	CLOTH, COATED; IRON-ON PATCH, MIL-C-43677, TY I	YD
17	XBFZZ	LOCAL PURCHASE	81348	A-A-50186	CLOTH, COTTON, BUCKRAM TYPE I, CLASS 1, A-A-50186	YD
18	XDFZZ	LOCAL PURCHASE	81348	MIL-C-43468	CLOTH, COTTON, WIND-RESISTANT, RIP-STOP POPLIN, CAMOUFLAGE PATTERN CONFORMING TO TYPE IV OF MIL-C-43468	YD
19	PAFZZ	8305-01-084-1670	81349	MIL-C-44031	CLOTH, COTTON/NYLON; TWILL WOODLAND CAMOUFLAGE PRINT, CONFORMING TO CLASS 1 OF MIL-C- 44031	YD
20	XBFZZ	LOCAL PURCHASE	81349	MIL-C-3760	CLOTH, FLANNEL, WOOL AND NYLON, TYPE II, OG 108	TD
21	XBFZZ	LOCAL PURCHASE	4GS79		CLOTH, KNITTED, TERRY POLYPROPYLENE <i>SOURCE: PKM INCORPORATED 509 GLENBROOK RD. STAMFORD, CT 06906</i>	YD
22	XBFZZ	8305-01-243-3193	81349	MIL-C-44187	CLOTH, LAMINATED, WATERPROOF AND MOISTURE VAPOR PERMEABLE CONFORMING TO MIL-C-44187 <i>SOURCE: DEER CREEK FABRIC</i>	YD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
23	XBFZZ	LOCAL PURCHASE	81349	MIL-C-43774	CLOTH, NON-MELTING, NYLON, OG-106	YD
24	XBFZZ	LOCAL PURCHASE	81349	MIL-C-3924	CLOTH, OXFORD, COTTON WARP AND NYLON FILL, CLASS 3, QUARPEL TREATED, CAMOUFLAGE PRINTED OF MIL-C-3924 AND CLASS 2, OG 107 OF MIL-C-3924	TD
25	PAFZZ	8305-00-901-2991	81349	MIL-C-3924	CLOTH, OXFORD, COTTON WARP AND NYLON FILLING, 5.8 OZ, OLIVE GREEN SHADE 107, QUARPEL WATER REPELLANT	YD
26	XBFZZ	LOCAL PURCHASE	81349	MIL-C-3924	CLOTH, OXFORD, COTTON WARP AND NYLON FILLING, CLASS 2	YD
27	PAFZZ	8305-00-483-1344	81349	MIL-C-43842	CLOTH, OXFORD, HIGH TEMPERATURE RESISTANT, NON-MELTING (COLOR OG-106)	YD
28	PAFZZ	8305-00-261-8140	81349	MIL-C-508	CLOTH, OXFORD, NYLON, OLIVE GREEN SHADE 106, MIL-C-508, FOR FACING AND BINDING	YD
29	XBFZZ	LOCAL PURCHASE	81349	MIL-C-43251	CLOTH, PILE, SYNTHETIC FIBERPILE; BROWN 463 CLASS 4, MINIMUM WIDTH 60 INCHES, CONFORMING TO MIL-C-43251 <i>SOURCE: BORG TEXTILE CORP P.O. BOX 697 ROSSVILLE, GA 30741</i>	YD
30	XBFZZ	8305-00-000-0171	9994	83429-CL8	CLOTH, PLAIN AND BASKET WEAVE, ARAMID, CONFORMING TO TYPE II, CI 6, DESERT TAN # 380, OF MIL-C-83429.	
31	XBFZZ	8305-01-345-5234	81349	MIL-C-83429	CLOTH, PLAIN AND BASKET WEAVE, ARAMID, CONFORMING TO TYPE II, CI 5, WOODLAND CAMO #483, OF MIL-C-83429.	YD
32	XBFZZ	LOCAL PURCHASE	81349	MIL-C-43774	CLOTH, PLAIN OR PAJAMA CHECK WEAVE, ARAMID, 3 OUNCES PER SQUARE YARD, OLIVE GREEN 106, MIL-C-43774.	YD
33	XBFZZ	LOCAL PURCHASE	81349	MIL-C-44431	CLOTH, PLAIN WEAVE, NYLON YD FILAMENT, LIGHTWEIGHT CONFORMING TO MIL-C-44431	YD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
34	XBFZZ	LOCAL PURCHASE	81349	MIL-C-44157	CLOTH, PLAIN WEAVE, POLYESTER COTTON, OLIVE GREEN 106, MINIMUM 45 INCH WIDE CONFORMING TO MIL-C-44157. <i>SOURCE:</i> <i>SITEX INC.</i> <i>215 W. 40TH STREET</i> <i>NEW YORK, NY 10018</i>	YD
35	XBFZZ	LOCAL PURCHASE	81348	MIL-C-44162	CLOTH, PLAIN WEAVE, POLYESTER/COTTON BLACK, 464, MINIMUM 60 INCH WIDE CONFORMING TO MIL-C-44162 <i>SOURCE:</i> REEVES BROTHERS 1271 AVENUE OF THE AMERICAS NEW YORK, NY 10028	YD
36	XBFZZ	LOCAL PURCHASE	81349	MIL-C-43824	CLOTH, SYNTHETIC FUR, KNITTED, CONFORMING TO MIL-C-43824 <i>SOURCE:</i> <i>BORA TEXTILES CORP</i> <i>105 MAPLE ST</i> <i>ROSSVILLE, GA 307</i>	
37	XBFZZ	LOCAL PURCHASE	81349	MIL-C-21852	CLOTH, TAFFETA, NYLON, OLIVE GREEN 106, MINIMUM 45 INCH WIDE, CONFORMING TO TYPE III OF MIL-C- 21852. <i>SOURCE:</i> H. LANDAU 210 CONSHOHOKEN ROAD BALA CYNWYD, PA 19004	YD
38	PAFZZ	8305-01-167-8403	81349	MIL-C-43468	CLOTH, WIND RESISTANT POPLIN, WOODLAND, CAMOUFLAGE PATTERN, MIL-C-43468, TYPE III	YD
39	PAFZZ	8305-00-458-0132	81349	MIL-C-43191	CLOTH, WIND RESISTANT, SATEEN 9 OZ. OLIVE GREEN 107, QUARPEL WATER REPELLANT	YD
XB	PAFZZ	LOCAL PURCHASE	81348	A-A-52103	CLOTH, WOOL AND COTTON FLANNEL, 10 OZ, OLIVE DRAB NO 35	YD
41	PAFZZ	LOCAL PURCHASE	8Z658		COPPER WIRE, NON-INSULATED 0.08 I 0.003 INCH DIAMETER (12 GAUGE) DEAD SOFT AND BRIGHT	
42	PAFZZ	8305-00-410-8418	81349	MILC43303	CORD, ELASTIC COTTON, MIL-C- 43303, CLASS 2, OLIVE DRAB 7	YD
43	PAFZZ	8305-01-412-7443	81349	MIL-C-43303	CORD, ELASTIC, COTTON, CLASS 2, BLEACHED OR UNBLEACHED (3/16 – INCH DIAMETER)	YD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
44	XBFZZ	LOCAL PURCHASE		MIL-C-43701	CORD, ELASTIC, NYLON 3/16 INCH DIAMETER, RUBBER ELASTIC (MULTI STRAND) W/BRAIDED NYLON COVERING OLIVE DRAB 107, CONFORMING TO TYPE II OF MIL-C- 43701 LENGTH IN ACCORDANCE WITH WP 0015. <i>SOURCE:</i> <i>HOPE WEBBING CO.</i> <i>PO BOX 6387</i> <i>PROVIDENCE, R.I. 02940</i>	YD
45	PAFZZ	8305-00-281-8016	81349	MILC43303	CORD, ELASTIC, OLIVE GREEN, 3/16 INCH DIAMETER, MIL-C-43303.	YD
46	XBFZZ	LOCAL PURCHASE	4GS79		CUFF MATERIAL. THE CLOTH FOR THE CUFFS SHALL BE FROM A 140 DENIER (NOMINAL) MULTIFILAMENT 100% POLYPROPYLENE YARN.	SP
47	PAFZZ	8315-01-028-3627	81349	MIL-C-3735	CUFFS, KNIT, TYPE IV, CLASS 2, SIZE 2	PR
48	PAFZZ	5325-01-139-4839	81349	MIL-E-20625	EYELET, METALLIC AND EYELET WASHERS, METALLIC CONFORMING TO M20652/1 -BBE125 OF MIL-E-20625	EA
49	PAFZZ	5325-00-221-1516	81349	NASM20652	EYELET, STYLE A, STYLE A OR B	HD
50	XDFZZ	LOCAL PURCHASE			EYELETS, METALLIC, ROLLED FLANGE TYPE M20652/1-BBE117; AND EYELET WASHER M20652/1 -BBW101	EA
51	XBFZZ	LOCAL PURCHASE	81348	V-F-106	FASTENER SLIDE INTERLOCKING; BLACK TYPE 1 STYLE 3, SIZE MS, NYLON OR POLYESTER CONTINUOUS COIL OR LADDER CONFIGURATION, WITH THONG, BLACK TAPE, CONFORMING TO V-F- 106 LENGTHS CORRESPONDING TO THE TROUSER SIZES INDICATED IN WP 0015:	EA
52	XBFZZ	LOCAL PURCHASE	81348	V-F-106	FASTENER SLIDE. THE SLIDE FASTENER SHALL BE A CONTINUOUS ELEMENT COIL OR LADDER CONFIGURATION AND CONFORM TO TYPE I, STYLE 3, SIZE LS OF VF-106. THE COLOR OF THE SLIDE FASTENER SHALL APPROXIMATE THE COLOR OF THE UNDERSHIRT.	
53	PAFZZ	8315-00-498- 663183158315-01- 090-5096	81349	MIL-F-21840	FASTENER TAPE, 1 INCH HOOK CONFORMING TO TYPE II, CLASS 1 OF MIL-F-21840, OLIVE GREEN 106	RL

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
54	PAFZZ	8315-00-498-6631 8315-01-086-9635	81349	MIL-F-21840	FASTENER TAPE, 2 INCH HOOK CONFORMING TO TYPE II, CLASS 1 OF MIL-F-21840, OLIVE GREEN 106	RL
55	PAFZZ	8315-00-498-6631	81349	MIL-F-21840	FASTENER TAPE, 2 INCH PILE CONFORMING TO TYPE II, CLASS 1 OF MIL-F-21840, OLIVE GREEN 106	RL
56	PAFZZ	8315-00-916-8399	58536	A-A-55126	FASTENER TAPE, HOOK, MIL-F-21840, TYPE I, CLASS I, COLOR BLACK OR GREEN, 2-INCH WIDE	YD
57	PAFZZ	8315-01-010-7203	58536	A-A-55126	FASTENER TAPE, HOOK, NYLON SYNTHETIC, OLIVE GREEN 106 TYPE II, CLASS 1 OF A-A-55126, 5/8 INCH WIDE	YD
58	PAFZZ	8315-00-448-5663	58536	A-A-55126	FASTENER TAPE, HOOK, NYLON SYNTHETIC; OLIVE GREEN 106 1 1/2 INCH WIDE, TYPE II, CLASS 1 OF A-A- 55126	YD
59	PAFZZ	8315-00-151-6480	58536	A-A-55126	FASTENER TAPE, HOOK, NYLON SYNTHETIC; OLIVE GREEN 106 1 INCH WIDE, TYPE 1, CLASS 1 OF A-A-55126	CN
60	PAFZZ	8315-00-106-5973	58536	A-A-55126	FASTENER TAPE, HOOK, SYNTHETIC (1") MIL-F-21840, TYPE II, CLASS 1, OG 106	YD
61	PAFZZ	8415-01-010-7203	81349	MIL-F-21840	FASTENER TAPE, HOOK, TYPE I, CLASS II (5/8 INCH)	YD
62	PAFZZ	8415-01-010-7204	81349	MIL-F-21840	FASTENER TAPE, LOOP, TYPE I, CLASS II (5/8 INCH)	YD
63	PAFZZ	8315-00-448-5664	81349	MIL-F-21840	FASTENER TAPE, PILE NYLON SYNTHETIC, OLIVE GREEN 106, TYPE II 1 1/2 WIDE, CLASS OF MIL-F-21840	YD
64	PAFZZ	8315-00-106-5974	81337	5-4-1695-4	FASTENER TAPE, PILE, MIL-F-21840, TYPE I, CLASS, I, COLOR BLACK OR GREEN, 1-INCH WIDE	YD
65	PAFZZ	8315-01-010-7204	58536	A-A-55126	FASTENER TAPE, PILE, NYLON SYNTHETIC, OLIVE GREEN 106 TYPE II, CLASS OF A-A-55126, 5/8 INCH WIDE	YD
66	PAFZZ	8315-00-151-6484	58536	A-A-55126	FASTENER TAPE, PILE, NYLON SYNTHETIC; OLIVE GREEN 106 1 INCH WIDE, TYPE 1, CLASS 1 OF A-A-55126	

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
67	PAFZZ	8315-00-151-6484	81348	A-A-55126	FASTENER TAPE, PILE, NYLON SYNTHETIC; OLIVE GREEN 10611 1/2 INCH WIDE, TYPE II, CLASS 1 OF A-A-55126	YD
68	XBFZZ	LOCAL PURCHASE	81349	MIL-F-21840	FASTENER TAPE. HOOK, CONFORMING TO TYPE I, CI 1, 1-1/2 IN, SHADE # 380, OF MIL-F-21840. <i>SOURCE:</i> <i>US SLIDE FASTENER CORP</i> <i>21 DRYDOCK AVE</i> <i>BOSTON, MA 02210</i>	
69	XBFZZ	LOCAL PURCHASE	81349	MIL-F-21840	FASTENER TAPE. HOOK, CONFORMING TO TYPE I, CI 1, 2 IN, SHADE # 380, OF MIL-F-21840. <i>SOURCE:</i> <i>US SLIDE FASTENER CORP</i> <i>21 DRYDOCK AVE</i> <i>BOSTON, MA 02210</i>	
70	PAFZZ	8315-00-151-6479	58536	A-A-55126	FASTENER TAPE. HOOK, CONFORMING TO TYPE I, CI 1, 2 IN, SHADE OG-106, OF MIL-F-21840.	
71	XBFZZ	LOCAL PURCHASE	81349	MIL-F-21840	FASTENER TAPE: HOOK, CONFORMING TO TYPE I, CI 1, 1 IN, SHADE # 380, OF MIL-F-21840. <i>SOURCE:</i> <i>US SLIDE FASTENER CORP</i> <i>21 DRYDOCK AVE</i> <i>BOSTON, MA 02210.</i>	YD
72	PAFZZ	8315-00-151-6481	58536	A-A-55126	FASTENER TAPE: HOOK, CONFORMING TO TYPE I, CI 1, 1-1/2 IN, SHADE OG-106, OF MIL-F-21840.	
73	PAFZZ	8315-00-151-6483	58536	A-A-55126	FASTENER TAPE: PILE, CONFORMING TO TYPE I, CI 1, 1-1/2 IN, SHADE OG-106, OF MIL-F-21840.	
74	PAFZZ	8315-00-151-6482	58536	A-A-55126	FASTENER TAPE: PILE, CONFORMING TO TYPE I, CI 1, 2 IN, SHADE OG-106, OF MIL-F-21840.	
75	PAFZZ	5340-01-393-4890	81337	2-6-104	FASTENER, CYLINDER, SPRING LOADED (CORD LOCK) BLACK	EA
76	PAFZZ	5325-00-292-5340	81349	MILF10884ST YLE2AFINISH 2	FASTENER, SNAP, BRASS, ENAMEL FINISH, STUD AND EYELET	SE
77	XBFZZ	LOCAL PURCHASE	81349	MIL-F-10884	FASTENER, SNAP, SOCKET AND EYELET PARTS, STYLE 2A, FINISH 6, SIZE 1 OR 2	EA

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
78	XBFZZ	LOCAL PURCHASE	81349	MIL-F-10884	FASTENER, SNAP, SOCKET AND EYELET PARTS, STYLE 2A, FINISH 6, SIZE 1 OR 2	EA
79	XBFZZ	LOCAL PURCHASE	81349	MIL-F-10884	FASTENER, SNAP; BUTTON AND STUD PARTS, STYLE 2A FINISH 6, SIZE 1 OR 2	EA
80	PAFZZ	5325-00-292-5300	81349	MIL-F-10884	FASTENER, SNAP; STUD AND POST PARTS STYLE 2A FINISH 2, CONSISTING OF STUD SIZE 1 OR 2 CONFORMING TO MIL-F-10884	EA
81	PAFZZ	5325-01-016-8349	81349	M20652/1- ABE131	FASTENER, SNAP; STUD AND POST PARTS STYLE 2A FINISH 2, CONSISTING OF EYELET SIZE 1 OR 2 CONFORMING TO MIL-F-10884	EA
82	XDFZZ	LOCAL PURCHASE	81349	MIL-F-10884	FASTENERS, SNAP; STYLE 2A, FINISH 2, MALE & FEMALE COMPLETE STUD & EYELET, SIZE 1 OR 2 AND SOCKET SIZE 1 OR 2, MIL- F-10884.	EA
83	XBFZZ	LOCAL PURCHASE	31708	DDD-L-20	LABEL- FOR CLOTHING EQUIPAGE AND TENTAGE (GENERAL USE) CLASS 1 IDENTIFICATION LABEL, CLASS 2 SIZE LABEL AND CLASS 3 INSTRUCTION LABEL TYPE VI, OR A CLASS 14 COMBINATION LABEL FOR SIZE, IDENTIFICATION, AND INSTRUCTION, TYPE VI OF DDD-L-20.	EA
84	PAFZZ	5640-00-103-2254	39428	1791K70	TAPE, DUCT	RL
85	PAOZZ	8315-00-255-7675	81349	MIL-T-6134	TAPE, PRESSURE SENSITIVE ADHESIVE, FOR MENDING NYLON PARACHUTES, TYPE I, 1 IN MIL-T- 6134 (81349), MIL-T-43618.	
86	XBFZZ	LOCAL PURCHASE		HIK 016 GT	TAPE, SEAM SEALING; 1 _1/16 INCH WIDE STRIPS, OLIVE GREEN 106 LAMINATED CLOTH FABRICATED IN LAYERS AS FOLLOWS: NYLON 6.6 TRICOT WEIGHING 1.5 ±0.3 OZ/YD.2 THE MIDDLE LAYER OF MICROPOROUS EXPANDED POLYTETRAFLUOROETHYLENE FILM WEIGHING 0.6 + 0.2 OR - 0.1 OZ/YD.2 ADHESIVE THERMOPLASTIC NOT LESS THAN 5.4 MILS THICK.	YD
87	PAFZZ	8315-00-253-6277	81349	MIL-T-43566	TAPE, TEXTILE, 1 1/8 INCH, OLIVE DRAB SHADE 7	YD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
88	PAFZZ	8315-00-253-6288	81349	MIL-T-43566	TAPE, TEXTILE, COTTON GENERAL PURPOSE; THROG PULLS, OLIVE DRAB 7, 1/2 INCH CONFORMING TO MIL-T-2283.	YD
89	PAFZZ	8315-00-254-0185	81349	MIL-T-43566	TAPE, TEXTILE, COTTON, GENERAL PURPOSE, NATURAL OR COLORS, CLASS 1 OR TYPE I, CLASS 2 (1-INCH WIDE)	YD
90	PAFZZ	8315-00-405-2298	81349	MIL-T-43709	TAPE, TEXTILE, NYLON, NON-MELTING	YD
91	XBFZZ	LOCAL PURCHASE	81348	MIL-T-2283	TAPE, TEXTILE, NYLON, WOVEN, FLAT BLACK, 3/8 INCH CONFORMING TO MIL-T-2283 <i>SOURCE: BALLY RIBBON MILLS 23 N. SEVENTH ST. BALLY, PA 19503</i>	YD
92	PAFZZ	8315-00-255-7673	81349	MIL-T-5038	TAPE, TEXTILE, NYLON; OLIVE DRAB NO. 7, CONFORMING TO TYPE III OF MIL-T-5038.	YD
93	PAFZZ	8315-00-988-1299	81348	V-T-285	THREAD POLYESTER, SIZE B 2 OR 3 PLY, SHADE S-1, C.A. 66022 TYPE 1, CLASS 1 SUBCLASS B, CONFORMING TO V-T-285	CN
94	PAFZZ	8310-00-405-2252	58536	A-A-55217	THREAD, ARAMID NYLON, GREEN 1565, 3 PLY, MIL-T-83193	SP
95	XBFZZ	LOCAL PURCHASE	81348	A-A-50195	THREAD, ARAMID, SHADE # 380, C.A. 66022, CONFORMING TO TYPE I, 60 TEX OF A-A-50195. <i>SOURCE: ATLANTIC THREAD CO., PO BOX 11395, BALTIMORE, MD 21239.</i>	TU
96	PAFZZ	8310-00-492-8397	58536	A-A-50195	THREAD, ARAMID, SHADE # 483, C.A. 66022, CONFORMING TO TYPE I, 60 TEX OF A-A-50195	
97	XBFZZ	LOCAL PURCHASE	81348	MIL-T-43548	THREAD, COTTON COVERED RAYON OR POLYESTER, TICKET NO.30/3, OLIVE DRAB S-1	CE
98	PAFZZ	8310-01-066-0973	58536	A-A-50199	THREAD, COTTON COVERED RAYON OR POLYESTER, TICKET NO.50/3, OLIVE DRAB S-1 CONFORMING TO A-A-50199 AND WATER REPELLENT TREATED IN ACCORDANCE WITH TYPE II CLASSES 2 AND 3 OF MI L-T-3550	CE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
99	PAFZZ	8310-00-262-0096	58536	A-A-50198	THREAD, COTTON GIMP, OLIVE DRAB SHADE 66022 (S-1), A-A-50198	SL
100	XDFZZ				THREAD, COTTON-COVERED, A-A- 50199,50/2 PLY, BLACK	CE
101	PAFZZ	8310-00-262-0094	58536	A-A-50198	THREAD, GIMP, COTTON, BUTTONHOLE: SHADE OD-SL, C.A.66022, CONFORMING TO SIZE 8, TYPE I OR II OF A-A-50198.	
102	PAFZZ	8310-00-244-0602	81348	A-A-59826	THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 2 PLY TICKET B, A-A-50199	SL
103	PAFZZ	8310-00-244-0603	81348	A-A-59826	THREAD, NYLON, OLIVE DRAB SHADE 66022 (S-1), 3 PLY, TICKET A, A-A-50199	TU
104	XDFZZ	LOCAL PURCHASE	4V933	MIL-T-44100	THREAD, PARA-ARAMID, SPUN, INTERMEDIATE MODULUS, SHADE # 380, CONFORMING TO 60 TEX OF MIL-T-44100.	TU
105	PAFZZ	8310-01-118-8167	81349	MIL-T-3530	THREAD, POLYESTER CORE, COTTON- OR POLYESTER COVERED CONFORMING TO A-A-50199, TICKET NOS. 30 (NEEDLE) AND 50 (LOOPER), 2 OR 3 PLY, BLEACHED WHITE AH, C.A. 66050. THE THREAD SHALL BE WATER REPEL LENT TREATED IN ACCORDANCE WITH TYPE II, CLASS 3 OF MIL-T-3530; THREAD AND TWINE: MILDEW RESISTANT OR WATER REPELLENT TREATED	CN
106	PAFZZ	8310-01-063-9282	81348	V-T-285	THREAD, POLYESTER, BROWN C.A. 66069, CONFORMING TO TYPE I, CLASS 1, SUBCLASS A, SIZE B OR V- T-285	CN
107	PAFZZ	8310-00-988-1298	81348	V-T-285	THREAD, POLYESTER, COTTON COVERED, OLIVE DRAB S-1, C.A. 66022, TICKET NO. 50, 3 PLY, TYPE I, CLASS 1, SUBCLASS A OR B	TU
108	XDFZZ	LOCAL PURCHASE	4V933	A-52095	THREAD, POLYESTER, TEXTURED, A- A-52095, SIZE TEX 45-50(T-50), BLACK	CE
109	PAFZZ	4020-00-243-3152	81348	T-T-881	TWINE, FIBROUS, TYPE I	YD
110	PAFZZ	8315-01-028-4896	81349	MIL-C-3735	WAISTBAND, KNIT, ARAMID NYLON, MIL-C-3735, TYPE IV, CLASS 3	EA
111	PAFZZ	5310-01-392-9401	81349	NASM20652	WASHER, STYLE A, SIZE 4094	EA

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
112	PAFZZ	8305-00-406-3496	81349	MIL-DTL-43685C	WEBBING, CONFORMING TO TYPE I OF MIL-W-43685	YD
113	XBFZZ	LOCAL PURCHASE	4YPU4	2662	WEBBING, ELASTIC, COTTON, 1 15/32 WIDE, BLACKSTONE WEBBING CO. STYLE + 2662 OR EQUAL.	YD
114	PAFZZ	8305-00-965-4816	81348	JJ-W-155	WEBBING, TEXTILE (COTTON ELASTIC) 7/8 INCH UNBLEACHED COTTON, TYPE, CLASS 5, CONFORMING TO JJ-W-155	YD
115	PAFZZ	8305-00-263-3638	81349	JJ-W-155	WEBBING, TEXTILE, 1 1/2 INCH, OLIVE DRAB SHADE 7 (GSA SPEC FED-JJ-W-155H)	YD
116	PAFZZ	8305-00-260-1732	81349	MILW530	WEBBING, TEXTILE, 1 IN, OLIVE DRAB SHADE 7	YD
117	PAFZZ	8305-00-260-4604	81349	MILW530	WEBBING, TEXTILE, 5/8, OLIVE DRAB SHADE 7	YD
118	XBFZZ	LOCAL PURCHASE	81349	MIL-W-4088	WEBBING, TEXTILE, WOVEN NYLON; 1 1/4 INCHES WIDE BLACK, TYPE III, CLASS 2 CONFORMING TO MIL-W-4088 SOURCE: NARRICOT WEBBING P.O. BOX 57 CHELTENHAM, PA 19012	YD
119	PAFZZ	8305-01-015-9434	81349	MIL-W-4088	WEBBING, TEXTILE, WOVEN NYLON; 1 23/32 INCH WIDE BLACK, TYPE VIII, CLASS 2	YD
END OF FIGURE						

FIELD
NATIONAL STOCK NUMBER INDEX

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8305-00-0-00-0171	10	14	5325-00-138-4651	2	10
	11	13	5325-00-141-7300	42	3
	BULK	30	8315-00-151-6479	10	9
8405-00-0-01-1547	42	1		BULK	70
8405-00-0-01-1548	42	1		1	4
8405-00-0-01-1549	42	1		2	3
8405-00-0-01-1550	42	1	8315-00-151-6480	6	5
8405-00-0-01-1551	42	1		7	5
8405-00-0-01-8025	43	1		10	7
8405-00-0-01-8026	43	1		11	8
8405-00-0-01-8027	43	1		12	23
8405-00-0-01-8028	43	1		BULK	59
8405-00-0-01-8029	43	1		2	4
8315-00-009-0246	12	11	8315-00-151-6481	10	8
8415-00-099-2535	49	1		BULK	72
8415-00-099-6962	49	1	8315-00-151-6482	10	12
8415-00-099-6968	49	1		BULK	74
8415-00-099-6970	49	1		1	5
5640-00-103-2254	BULK	84		2	5
8315-00-106-5973	34	10	8315-00-151-6483	10	11
	42	6		BULK	73
	43	5	8315-00-151-6484	6	6
	BULK	60		7	6
8315-00-106-5974	45	2		10	10
	BULK	64		11	9
5325-00-138-4648	5	4		12	24
	1	8		BULK	66
	2	10		BULK	67
5325-00-138-4649	5	5		2	6
	1	8	5340-00-157-7987	11	7
	2	10		11	18
5325-00-138-4650	5	6		BULK	11
	2	10	5325-00-159-3722	6	4
5325-00-138-4651	5	2		7	4

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5225-00-159-3722	10	13	8305-00-243-3193	13	7
	10	25	8310-00-244-0602	14	5
	2	10		15	5
	6	3		35	5
	7	3		37	6
5325-00-164-0827	2	10		39	5
8405-00-198-3747	42	12		BULK	102
	43	11	8310-00-244-0603	14	4
8415-00-217-7201	6	1		15	4
8415-00-217-7207	6	1		35	4
8415-00-217-7208	6	1		37	5
8415-00-217-7210	6	1		39	4
8415-00-217-7212	6	1		BULK	103
8415-00-217-7213	6	1	8315-00-253-6277	36	10
8415-00-217-7219	6	1		BULK	87
8415-00-217-7220	6	1	8315-00-253-6288	12	8
8415-00-217-7221	6	1		12	9
8415-00-217-7226	6	1		16	4
8415-00-217-7229	6	1		BULK	88
8415-00-217-7233	6	1	8315-00-254-0185	41	5
8415-00-217-7234	6	1		BULK	89
8415-00-217-7235	6	1	8315-00-255-7673	50	5
8415-00-217-7236	6	1		51	5
5325-00-221-1516	34	13		BULK	92
	36	14	8315-00-255-7675	14	8
	BULK	49		15	8
8415-00-223-7625	40	1		BULK	85
8415-00-223-7627	40	1	8305-00-260-1732	38	8
8415-00-223-7628	40	1		BULK	116
8415-00-223-7980	40	1	8305-00-260-4604	38	7
8315-00-240-2147	40	3		BULK	117
	41	3	8305-00-261-8140	14	3
	BULK	8		15	3
4020-00-243-3152	6	13		35	3
	7	12		37	3
	BULK	109		39	3
	1	7		BULK	28
	2	9	8310-00-262-0094	10	3

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8310-00-262-0094	11	3	8415-00-279-8722	47	1
	34	4	8415-00-280-2455	47	1
	36	5	8415-00-281-7812	49	2
	38	3	8415-00-281-7813	49	2
	50	8	8415-00-281-7814	49	2
	51	8	8415-00-281-7815	49	2
	56	5	8415-00-281-7816	49	2
	BULK	101	8305-00-281-8016	34	7
8310-00-262-0096	14	6		36	8
	15	6		1	12
	35	6		BULK	45
	37	7	5325-00-285-1057	6	3
	39	6		7	3
	BULK	BULK	5325-00-292-5300	BULK	80
8315-00-262-2784	42	8	5325-00-292-5340	34	12
	43	7		36	13
	BULK	6		38	11
8315-00-262-3376	34	9		BULK	76
8430-00-262-8252	48	1	8315-00-297-1553	34	8
8430-00-262-8253	48	1		36	9
8430-00-262-8254	48	1		49	4
8430-00-262-8255	48	1		BULK	4
8430-00-262-8256	48	1	8310-00-405-2252	6	16
8430-00-262-8257	48	1		6	18
8430-00-262-8258	48	1		BULK	94
8430-00-262-8259	48	1	8315-00-405-2298	6	12
8430-00-262-8260	48	1		7	11
8430-00-262-8261	48	1		11	12
8430-00-262-8278	48	1		11	23
8305-00-263-3638	36	11		BULK	90
	BULK	115	8305-00-406-3496	11	11
8315-00-267-3125	38	6		11	22
	BULK	9		BULK	112
5325-00-275-4433	6	3		2	8
	7	3		3	4
8415-00-279-8719	47	1		4	4
8415-00-279-8720	47	1	8305-00-410-8418	42	10
8415-00-279-8721	47	1		43	9

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8305-00-410-8418	BULK	42	8310-00-492-8397	BULK	96
8315-00-448-5663	12	10		1	6
	13	5		2	7
	BULK	58		3	2
8315-00-448-5664	13	6		4	2
	BULK	63	5325-00-495-3368	5	7
8305-00-458-0132	34	2		2	11
	38	2	8315-00-498-6631	20	6
	BULK	39		BULK	55
8305-00-460-4200	50	9	8315-00-641-8328	37	4
	51	10		BULK	5
	BULK	16	8315-00-773-4300	41	10
5325-00-476-7622	5	7		BULK	13
	2	11	8415-00-782-2882	37	1
5325-00-476-7623	5	7	8415-00-782-2883	37	1
	2	11	8415-00-782-2884	37	1
5325-00-476-7624	5	7	8415-00-782-2885	37	1
	2	11	8415-00-782-2886	14	1
5325-00-476-7625	5	7	8415-00-782-2887	14	1
	2	10		35	1
5325-00-478-0713	5	7	8415-00-782-2888	14	1
	2	10		35	1
5325-00-478-0714	5	7	8415-00-782-2889	14	1
	2	10		35	1
5325-00-478-0715	5	7	8415-00-782-2890	14	1
	2	11		35	1
	2	11	8415-00-782-2933	34	1
5325-00-478-0716	5	7	8415-00-782-2935	34	1
	2	10	8415-00-782-2936	34	1
8305-00-483-1344	6	2	8415-00-782-2937	34	1
	7	2	8415-00-782-2938	34	1
	BULK	27	8415-00-782-2939	34	1
	1	2	8415-00-782-2940	34	1
	2	2	8415-00-782-2941	34	1
8310-00-492-8397	6	9	8415-00-782-2942	34	1
	7	9	8415-00-782-2943	34	1
	10	4	8415-00-782-2945	34	1
	11	4	8415-00-782-3004	57	1

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8415-00-782-3216	36	1	8415-00-935-0572	41	1
8415-00-782-3217	36	1	8415-00-935-0573	41	1
8415-00-782-3218	36	1	8415-00-935-0575	41	1
8415-00-782-3219	36	1	8415-00-935-0576	41	1
8415-00-782-3220	36	1	8415-00-935-0577	41	1
5340-00-820-7838	38	12	8315-00-935-6762	16	9
	BULK	10	8315-00-935-6763	16	10
8415-00-889-3654	49	3	8305-00-965-4816	12	16
8405-00-889-3683	44	1		BULK	114
8315-00-899-0029	10	6	8310-00-988-1298	6	10
	11	6		7	10
	14	7		BULK	107
	15	7	8315-00-988-1299	12	22
	34	11		16	11
	36	12		20	3
	38	10		BULK	93
	39	7	8415-01-010-7203	6	7
	50	6		7	7
	51	6		12	20
	55	4		42	5
	56	4		43	4
	BULK	14		BULK	57
8305-00-9-01-2991	36	2		BULK	61
	BULK	25	8415-01-010-7204	6	8
8315-00-916-8399	45	3		7	8
	BULK	56		12	21
8405-00-935-0546	39	1		42	7
8405-00-935-0547	39	1		43	6
8405-00-935-0548	39	1		BULK	62
8405-00-935-0549	39	1		BULK	65
8405-00-935-0550	39	1	8305-01-015-9434	17	9
8405-00-935-0551	39	1		BULK	119
8405-00-935-0552	39	1	5325-01-016-8349	12	17
8405-00-935-0553	39	1		12	18
8415-00-935-0568	41	1		13	11
8415-00-935-0569	41	1		BULK	81
8415-00-935-0570	41	1	8315-01-024-5725	7	14
8415-00-935-0571	41	1	8315-01-028-3627	6	15

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8315-01-028-3627	BULK	47	8415-01-062-0680	14	1
8315-01-028-4896	6	17	8415-01-062-0681	14	1
	BULK	110	8310-01-063-9282	13	13
8415-01-029-0109	9	1		17	4
8415-01-029-0111	9	1		42	4
8415-01-029-0112	9	1		43	3
8415-01-029-0113	9	1		BULK	106
8415-01-029-0116	9	1	8310-01-066-0973	34	6
8415-01-040-1453	9	1		36	7
8415-01-040-2012	9	1		38	5
8415-01-043-8376	5	1		42	11
8415-01-043-8377	5	1		43	10
8415-01-043-8378	5	1		50	7
8415-01-043-8379	5	1		51	7
8415-01-043-8380	5	1		55	3
8415-01-043-8381	5	1		56	3
8415-01-043-8382	5	1		BULK	98
8415-01-043-8383	5	1	5325-01-071-1329	34	16
8415-01-043-8384	5	1	8415-01-074-6208	2	1
8415-01-043-8385	5	1	8415-01-074-6209	2	1
8415-01-043-8386	5	1	8415-01-074-6210	2	1
8415-01-043-8387	5	1	8415-01-074-6211	2	1
8415-01-043-8388	5	1	8415-01-074-6254	2	1
8415-01-043-8389	5	1	8415-01-074-6255	2	1
8415-01-043-8390	5	1	8415-01-074-6256	2	1
8415-01-043-8391	5	1	8415-01-074-6257	2	1
8415-01-043-8392	5	1	8415-01-074-7020	2	1
8415-01-043-8393	5	1	8415-01-074-7021	2	1
8415-01-043-8394	5	1	8415-01-074-7022	2	1
8415-01-043-8395	5	1	8415-01-074-7023	2	1
8415-01-043-8396	5	1	8415-01-074-7024	2	1
8415-01-043-8397	5	1	8415-01-074-9413	7	1
8415-01-043-8398	5	1	8415-01-074-9414	7	1
8415-01-043-9529	5	1	8415-01-074-9415	7	1
5325-01-049-0720	5	7	8415-01-074-9416	7	1
	2	11	8415-01-074-9417	7	1
5325-01-049-0724	5	3	8415-01-074-9418	7	1
8415-01-062-0679	14	1	8415-01-074-9419	7	1

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8415-01-074-9420	7	1	8305-01-084-1670	51	2
8415-01-074-9421	7	1		BULK	19
8415-01-074-9422	7	1	8415-01-084-1705	51	1
8415-01-074-9423	7	1	8415-01-084-1706	51	1
8415-01-074-9424	7	1	8415-01-084-1707	51	1
8415-01-074-9425	7	1	8415-01-084-1708	51	1
8415-01-074-9426	7	1	8415-01-084-1709	51	1
8415-01-074-9427	7	1	8415-01-084-1710	51	1
8415-01-074-9428	8	1	8415-01-084-1711	51	1
8415-01-074-9429	8	1	8415-01-084-1712	51	1
8415-01-074-9430	8	1	8415-01-084-1713	51	1
8415-01-074-9431	8	1	8415-01-084-1714	51	1
8415-01-074-9432	8	1	8415-01-084-1715	51	1
8415-01-074-9433	8	1	8415-01-084-1716	51	1
8415-01-074-9434	8	1	8415-01-084-1717	51	1
8415-01-074-9438	2	1	8415-01-084-1718	51	1
8415-01-074-9439	2	1	8315-01-086-9635	20	5
8415-01-084-1016	51	1		BULK	54
8415-01-084-1017	51	1	8315-01-090-5096	20	4
8415-01-084-1639	50	1		BULK	53
8415-01-084-1640	50	1	5325-01-093-5237	6	3
8415-01-084-1641	50	1		7	3
8415-01-084-1642	50	1	5325-01-093-5238	6	3
8415-01-084-1643	50	1		7	3
8415-01-084-1644	50	1	5325-01-097-8997	6	3
8415-01-084-1645	50	1		7	3
8415-01-084-1646	50	1	5325-01-097-8998	6	3
8415-01-084-1647	50	1		7	3
8415-01-084-1648	50	1	8415-01-099-7843	57	8
8415-01-084-1649	50	1	8415-01-099-7844	57	8
8415-01-084-1650	50	1	8415-01-099-7845	57	8
8415-01-084-1651	50	1	8415-01-099-7846	57	8
8415-01-084-1652	50	1	8415-01-099-7847	57	8
8415-01-084-1653	50	1	8415-01-099-7848	57	8
8415-01-084-1654	50	1	8415-01-099-7853	38	1
8415-01-084-1655	50	1	8415-01-099-7854	38	1
8415-01-084-1656	50	1	8415-01-099-7855	38	1
8305-01-084-1670	50	2	8415-01-099-7856	38	1

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8415-01-099-7857	38	1	8415-01-111-5023	1	1
8415-01-099-7858	38	1	8415-01-111-5024	1	1
8415-01-099-7859	38	1	8415-01-111-5025	1	1
8415-01-099-7860	38	1	8415-01-111-5026	1	1
8415-01-099-7861	38	1	8415-01-111-5027	1	1
8415-01-099-7862	38	1	8415-01-111-5028	1	1
8415-01-110-1398	3	1	8415-01-111-5029	1	1
8415-01-110-1399	3	1	8415-01-111-5030	1	1
8415-01-110-1400	3	1	8415-01-111-5031	1	1
8415-01-110-1401	3	1	8415-01-111-5032	1	1
8415-01-110-1402	3	1	8415-01-111-5033	1	1
8415-01-110-1403	3	1	8415-01-111-7166	1	1
8415-01-110-1404	3	1	8310-01-118-8167	40	5
8415-01-110-1405	3	1		41	7
8415-01-110-1406	3	1		BULK	105
8415-01-110-1407	3	1	8415-01-134-3170	50	1
8415-01-110-1408	3	1	8415-01-134-3171	50	1
8415-01-110-1409	3	1	8415-01-134-3172	50	1
8415-01-110-1410	3	1	8415-01-134-3173	50	1
8415-01-110-1411	3	1		51	1
8415-01-110-4456	4	1	8415-01-134-3194	51	1
8415-01-110-4457	4	1	8415-01-134-3195	51	1
8415-01-110-4458	4	1	8415-01-134-3196	51	1
8415-01-110-4459	4	1	8415-01-134-3197	51	1
8415-01-110-4460	4	1	5325-01-139-4839	16	8
8415-01-110-4461	4	1		BULK	48
8415-01-110-4462	4	1	8320-01-147-2086	14	2
8415-01-110-4463	4	1		15	2
8415-01-110-4464	4	1		BULK	2
8415-01-110-4465	4	1	8305-01-167-8403	50	3
8415-01-110-4466	4	1		51	3
8415-01-110-4467	4	1		BULK	38
8415-01-110-4468	4	1	8415-01-180-0370	15	1
8415-01-110-4469	4	1	8415-01-180-0371	15	1
8415-01-110-4470	4	1		39	1
8415-01-111-5020	1	1	8415-01-180-0372	15	1
8415-01-111-5021	1	1		39	1
8415-01-111-5022	1	1	8415-01-180-0373	15	1

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8415-01-180-0373	39	1	8415-01-227-9544	19	1
8415-01-180-0374	15	1	8415-01-227-9545	19	1
	39	1	8415-01-227-9546	19	1
8415-01-180-0375	15	1	8415-01-227-9547	18	1
	39	1	8415-01-227-9549	18	1
8415-01-180-0376	15	1	8415-01-227-9550	18	1
	39	1	8415-01-227-9551	18	1
8415-01-180-0377	15	1	8415-01-228-1306	12	1
	39	1	8415-01-228-1307	12	1
8415-01-184-1320	50	1	8415-01-228-1308	12	1
8415-01-184-1323	50	1	8415-01-228-1309	12	1
8415-01-184-1324	50	1	8415-01-228-1310	12	1
8415-01-184-1325	50	1	8415-01-228-1311	12	1
8415-01-184-1329	50	1	8415-01-228-1312	12	1
8415-01-184-1330	50	1	8415-01-228-1313	12	1
8415-01-184-1331	50	1	8415-01-228-1314	12	1
8415-01-184-1334	50	1	8415-01-228-1315	12	1
8415-01-184-1335	50	1	8415-01-228-1316	12	1
8415-01-184-1336	50	1	8415-01-228-1317	12	1
8415-01-184-1337	50	1	8415-01-228-1318	12	1
8415-01-184-1338	50	1	8415-01-228-1319	12	1
8415-01-184-1339	50	1	8415-01-228-1320	12	1
8415-01-184-1346	51	1	8415-01-228-1321	12	1
8413-01-184-1350	51	1	8415-01-228-1322	12	1
8415-01-184-1351	51	1	8415-01-228-1323	17	1
8415-01-184-1352	51	1	8415-01-228-1324	17	1
8415-01-184-1353	51	1	8415-01-228-1325	17	1
8415-01-184-1354	51	1	8415-01-228-1326	17	1
8415-01-184-1355	51	1	8415-01-228-1327	17	1
8415-01-184-1356	51	1	8415-01-228-1328	17	1
8415-01-184-1357	51	1	8415-01-228-1329	17	1
8415-01-184-1358	51	1	8415-01-228-1330	17	1
8415-01-184-1359	51	1	8415-01-228-1331	17	1
8415-01-184-1360	51	1	8415-01-228-1332	17	1
8415-01-196-9116	54	1	8415-01-228-1336	13	1
8415-01-227-9448	18	1	8415-01-228-1337	13	1
8415-01-227-9542	19	1	8415-01-228-1338	13	1
8415-01-227-9543	19	1	8415-01-228-1339	13	1

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8415-01-228-1340	13	1	8415-01-328-8252	10	1
8415-01-228-1341	13	1	8415-01-328-8253	10	1
8415-01-228-1342	13	1	8415-01-328-8254	10	1
8415-01-228-1343	13	1	8415-01-328-8255	10	1
8415-01-228-1344	13	1	8415-01-328-8256	10	1
8415-01-228-1345	13	1	8415-01-328-8257	10	1
8414-01-228-1346	13	1	8415-01-328-8258	10	1
8415-01-228-1347	13	1	8415-01-328-8259	10	1
8415-01-228-1348	13	1	8415-01-328-8260	10	1
8415-01-228-1349	13	1	8415-01-328-8261	10	1
8415-01-228-1350	13	1	8415-01-328-8262	10	1
8415-01-228-1351	13	1	8415-01-328-8263	10	1
8415-01-228-1352	13	1	8415-01-328-8264	10	1
8415-01-228-1353	16	1	8415-01-328-8265	10	1
8415-01-228-1354	16	1	8415-01-328-8266	10	1
8415-01-228-1355	16	1	8415-01-328-8270	11	13
8415-01-228-1356	16	1		11	1
8415-01-228-1357	16	1	8415-01-328-8271	11	13
8305-01-243-3193	20	9	8415-01-328-8272	11	13
	BULK	22		11	1
5325-01-265-6207	34	15	8415-01-328-8273	11	13
5325-01-272-6584	11	10		11	1
		21	8415-01-328-8274	11	13
5325-01-273-1705	11	10		11	1
		21	8415-01-328-8275	11	13
5325-01-273-2341	11	10		11	1
		21	8415-01-328-8276	11	13
5325-01-274-3313	11	10		11	1
		21	8415-01-328-8277	11	13
5325-01-274-3314	11	10		11	1
		21	8415-01-328-8278	11	13
8415-01-291-1061	51	1		11	1
8415-01-310-0606	21	1	8415-01-328-8279	11	13
8415-01-315-9765	20	1		11	1
8415-01-315-9766	20	1	8415-01-328-8280	11	13
8415-01-315-9767	20	1		11	1
8415-01-315-9768	20	1	8415-01-328-8281	11	13
8415-01-315-9769	20	1		11	1

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8415-01-328-8282	11	13	5325-01-360-7910	41	14
	11	1	8415-01-363-8683	46	1
8415-01-328-8283	11	13	8415-01-363-8684	46	1
	11	1	8415-01-363-8685	46	1
8415-01-345-5204	10	1	8415-01-363-8686	46	1
8415-01-345-5205	10	1	8415-01-363-8687	46	1
8415-01-345-5206	10	1	8415-01-363-8688	46	1
8415-01-345-5207	10	1	8415-01-363-8689	46	1
8415-01-345-5208	10	1	8415-01-363-8690	46	1
8415-01-345-5209	10	1	8415-01-363-8691	46	1
8415-01-345-5210	10	1	8415-01-363-8692	45	1
8415-01-345-5211	10	1	8415-01-363-8693	45	1
8415-01-345-5212	10	1	8415-01-363-8694	45	1
8415-01-345-5213	10	1	8415-01-363-8695	45	1
8415-01-345-5214	10	1	8415-01-363-8696	45	1
8415-01-345-5215	10	1	8415-01-363-8697	45	1
8415-01-345-5216	10	1	8415-01-363-8698	45	1
8415-01-345-5217	10	1	8415-01-363-8699	45	1
8415-01-345-5218	10	1	8415-01-363-8700	45	1
8415-01-345-5219	11	1	8415-01-390-8537	50	1
8415-01-345-5220	11	1	8415-01-390-8540	50	1
8415-01-345-5221	11	1	8415-01-390-8541	50	1
8415-01-345-5222	11	1	8415-01-390-8542	50	1
8415-01-345-5223	11	1	8415-01-390-8546	50	1
8415-01-345-5224	11	1	8415-01-390-8547	50	1
8415-01-345-5225	11	1	8415-01-390-8554	51	1
8415-01-345-5226	11	1	8415-01-390-8556	51	1
8415-01-345-5227	11	1	8415-01-390-8557	50	1
8415-01-345-5228	11	1	8415-01-390-8939	51	1
8415-01-345-5229	11	1	8415-01-390-8940	51	1
8415-01-345-5230	11	1	8415-01-390-8941	51	1
8415-01-345-5231	11	1	8415-01-390-8942	51	1
8415-01-345-5232	11	1	8415-01-390-8945	51	1
8415-01-345-5233	11	1	8415-01-390-9641	50	1
8305-01-345-5234	10	2	8415-01-390-9646	50	1
	11	2	8415-01-391-1062	51	1
	BULK	31	5310-01-392-9401	34	14
5325-01-360-6172	41	14		36	15

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5310-01-392-9401	BULK	111	8415-01-519-8500	52	1
5340-01-393-4890	40	9	8415-01-519-8501	52	1
	41	12	8415-01-519-8504	52	1
	BULK	75	8415-01-519-8505	52	1
8315-01-398-8883	57	7	8415-01-519-8506	52	1
8315-01-412-4680	41	4	8415-01-519-8507	52	1
	BULK	7	8415-01-519-8509	52	1
8305-01-412-7443	40	4	8415-01-519-8510	52	1
	41	6	8415-01-519-8512	52	1
	BULK	43	8415-01-519-8513	52	1
8415-01-519-8277	53	1	8415-01-519-8514	52	1
8415-01-519-8279	53	1	8415-01-519-8532	52	1
8415-01-519-8404	53	1		53	1
8415-01-519-8408	53	1	8415-01-519-8599	52	1
8415-01-519-8410	53	1	8415-01-519-8607	52	1
8415-01-519-8414	53	1	8415-01-519-8608	52	1
8415-01-519-8416	53	1	8415-01-519-8609	52	1
8415-01-519-8418	53	1	8415-01-519-8610	52	1
8415-01-519-8419	53	1	8415-01-519-8611	52	1
8415-01-519-8422	53	1	8415-01-519-8612	52	1
8415-01-519-8423	53	1	8415-01-519-8613	52	1
8415-01-519-8426	53	1	8415-01-519-8698	57	11
8415-01-519-8427	53	1	8415-01-519-9106	54	1
8415-01-519-8429	53	1	8415-01-519-9107	54	1
8415-01-519-8430	53	1	8415-01-519-9109	54	1
8415-01-519-8431	53	1	8415-01-519-9110	54	1
8415-01-519-8434	53	1	8415-01-519-9111	54	1
8415-01-519-8435	53	1	8415-01-519-9115	54	1
8415-01-519-8436	53	1	8415-01-519-9118	54	1
8415-01-519-8444	53	1	8415-01-519-9118	57	15
8415-01-519-8445	53	1	8415-01-519-9119	54	1
8415-01-519-8446	53	1	8415-01-519-9123	54	1
8415-01-519-8447	53	1	8415-01-519-9125	54	1
8415-01-519-8487	52	1	8415-01-519-9126	54	1
8415-01-519-8491	52	1	8415-01-519-9127	54	1
8415-01-519-8497	52	1	8415-01-519-9128	54	1
8415-01-519-8499	52	1	8305-01-527-0223	55	2
8415-01-519-8500	52	1	8410-01-527-4686	56	1

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8410-01-527-4687	56	1	8410-01-527-5000	55	1
8410-01-527-4688	56	1	8410-01-527-5001	55	1
8410-01-527-4691	56	1	8410-01-527-5002	55	1
8410-01-527-4721	56	1	8410-01-527-5003	55	1
8410-01-527-4723	56	1	8410-01-527-5004	55	1
8410-01-527-4725	56	1	8410-01-527-5006	55	1
8410-01-527-4887	56	1	8410-01-527-5008	55	1
8410-01-527-4889	56	1	8410-01-527-5010	55	1
8410-01-527-4892	56	1	8410-01-527-5011	55	1
8410-01-527-4896	56	1	8410-01-527-5014	55	1
8410-01-527-4900	56	1	8410-01-527-5016	55	1
8410-01-527-4902	56	1	8410-01-527-5017	55	1
8410-01-527-4906	56	1	8410-01-527-5019	55	1
8410-01-527-4908	56	1	8410-01-527-5021	55	1
8410-01-527-4911	56	1	8410-01-527-5024	55	1
8410-01-527-4914	56	1	8415-01-527-5047	52	1
8410-01-527-4935	56	1	8415-01-527-5048	52	1
8410-01-527-4941	56	1	8415-01-527-5049	52	1
8410-01-527-4943	56	1	8415-01-527-5051	52	1
8410-01-527-4945	56	1	8415-01-527-5053	52	1
8410-01-527-4946	56	1	8415-01-527-5215	52	1
8410-01-527-4947	56	1	8415-01-527-5218	52	1
8410-01-527-4949	56	1	8465-01-527-5219	52	1
8410-01-527-4954	56	1	8415-01-527-5220	52	1
8410-01-527-4955	56	1	8415-01-527-5222	52	1
8410-01-527-4957	56	1	8415-01-527-5223	52	1
8410-01-527-4983	55	1	8415-01-527-5224	52	1
8410-01-527-4985	55	1	8415-01-527-5247	53	1
8410-01-527-4986	55	1	8415-01-527-5266	53	1
8410-01-527-4987	55	1	8415-01-527-5269	53	1
8410-01-527-4988	55	1	8415-01-527-5273	53	1
8410-01-527-4989	55	1	8415-01-527-5274	53	1
8410-01-527-4992	55	1	8415-01-527-5275	53	1
8410-01-527-4993	55	1	8415-01-527-5277	53	1
8410-01-527-4996	55	1	8415-01-527-5290	53	1
8410-01-527-4997	55	1	8415-01-527-5291	53	1
8410-01-527-4998	55	1	8415-01-527-5292	53	1
8410-01-527-4999	55	1	8415-01-527-5293	53	1

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8415-01-527-5296	53	1	8415-01-538-6819	26	1
8305-01-534-0223	56	2	8415-01-538-6823	26	1
8415-01-538-6057	28	1	8415-01-538-6825	26	1
	28	1	8415-01-538-6831	26	1
8415-01-538-6074	28	1	8415-01-538-6875	27	1
8415-01-538-6080	28	1	8415-01-538-7001	24	1
8415-01-538-6082	28	1	8415-01-538-7008	27	1
8415-01-538-6089	28	1	8415-01-538-7012	24	1
8415-01-538-6278	22	1	8415-01-538-7761	24	1
8415-01-538-6289	22	1	8415-01-538-7764	24	1
8415-01-538-6300	22	1	8415-01-538-7767	24	1
8415-01-538-6308	22	1	8415-01-538-7769	24	1
8415-01-538-6312	22	1	8415-01-538-7780	32	1
8415-01-538-6315	22	1	8415-01-538-7785	32	1
8415-01-538-6672	25	1	8415-01-538-7786	32	1
8415-01-538-6677	25	1	8415-01-538-7787	32	1
8415-01-538-6679	25	1	8415-01-538-7791	32	1
8415-01-538-6680	25	1	8415-01-538-7795	32	1
8415-01-538-6681	25	1	8415-01-538-8468	33	1
8415-01-538-6683	25	1	8415-01-538-8472	33	1
8415-01-538-6695	23	1	8415-01-538-8474	33	1
8415-01-538-6704	23	1	8415-01-538-8477	33	1
8415-01-538-6706	23	1	8415-01-538-8482	33	1
8415-01-538-6707	23	1	8415-01-538-8486	33	1
8415-01-538-6709	23	1	8415-01-538-8598	30	1
8415-01-538-6720	23	1	8415-01-538-8614	30	1
8415-01-538-6739	29	1	8415-01-538-8621	30	1
8415-01-538-6742	29	1	8415-01-538-8701	30	1
8415-01-538-6747	29	1	8415-01-538-8705	30	1
8415-01-538-6752	29	1	8415-01-538-8711	30	1
8415-01-538-6754	29	1	8415-01-538-8727	31	1
8415-01-538-6764	27	1	8415-01-538-8730	31	1
8415-01-538-6766	27	1	8415-01-538-8745	31	1
8415-01-538-6768	29	1	8415-01-538-8747	31	1
8415-01-538-6771	27	1	8415-01-538-8750	31	1
8415-01-538-6773	27	1	8415-01-538-8751	31	1
8415-01-538-6808	26	1	8415-01-545-7672	31	1
8415-01-538-6813	26	1	8415-01-545-7676	31	1

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
8415-01-545-7717	31	1	8415-01-546-7504	29	1
8415-01-545-7768	31	1	8415-01-546-7536	29	1
8415-01-545-7810	31	1	8415-01-546-7550	29	1
8415-01-545-7960	31	1	8415-01-546-7662	29	1
8415-01-545-7965	31	1	8415-01-546-8657	28	1
8415-01-545-7966	31	1	8415-01-546-8667	28	1
8415-01-545-7968	31	1	8415-01-546-8745	28	1
8415-01-545-8544	22	1	8415-01-546-8758	28	1
8415-01-545-8566	22	1	8415-01-546-8809	28	1
8415-01-545-8642	22	1	8415-01-546-8820	28	1
8415-01-545-8661	22	1	8415-01-546-8828	28	1
8415-01-545-8724	22	1	8415-01-546-8829	28	1
8415-01-545-9542	22	1	8415-01-546-8834	28	1
8415-01-545-9579	22	1	8415-01-546-8888	26	1
8415-01-545-9582	22	1	8415-01-546-8890	26	1
8415-01-545-9610	22	1	8415-01-546-8953	26	1
8415-01-545-9907	23	1	8415-01-546-8954	26	1
8415-01-545-9914	23	1	8415-01-546-8991	26	1
8415-01-545-9955	23	1	8415-01-546-9197	26	1
8415-01-545-9958	23	1	8415-01-546-9198	26	1
8415-01-546-0040	23	1	8415-01-546-9201	26	1
8415-01-546-0117	23	1	8415-01-546-9484	27	1
8415-01-546-0118	23	1	8415-01-546-9498	27	1
8415-01-546-0119	23	1	8415-01-546-9706	27	1
8415-01-546-0124	30	1	8415-01-546-9707	27	1
8415-01-546-0128	30	1	8415-01-546-9724	27	1
8415-01-546-0160	30	1	8415-01-546-9883	27	1
8415-01-546-0166	30	1	8415-01-546-9912	27	1
8415-01-546-0305	30	1	8415-01-546-9917	27	1
8415-01-546-0362	30	1	8415-01-546-9921	27	1
8415-01-546-0369	30	1	8415-01-547-3662	25	1
8415-01-546-0370	30	1	8415-01-547-3674	25	1
8415-01-546-0374	30	1	8415-01-547-4171	25	1
8415-01-546-6712	29	1	8415-01-547-4177	25	1
8415-01-546-6713	29	1	8415-01-547-4194	25	1
8415-01-546-6721	29	1	8415-01-547-4234	25	1
8415-01-546-6722	29	1	8415-01-547-4248	25	1
8415-01-546-7444	29	1	8415-01-547-4250	25	1

STOCK NUMBER	FIG.	ITEM
8415-01-547-4303	25	1
8415-01-547-5739	24	1
8415-01-547-5741	24	1
8415-01-547-5763	24	1
8415-01-547-5765	24	1
8415-01-547-5797	24	1
8415-01-547-6146	24	1
8415-01-547-6224	24	1
8415-01-547-6226	24	1
8415-01-547-6229	24	1
8415-01-547-6251	26	1
8415-01-547-6577	32	1
8415-01-547-6580	32	1
8415-01-547-6680	32	1
8415-01-547-6681	32	1
8415-01-547-6691	32	1
8415-01-547-6789	32	1
8415-01-547-6800	32	1
8415-01-547-6815	32	1
8415-01-547-7008	32	1
8415-01-547-8674	33	1
8415-01-547-8675	33	1
8415-01-547-8683	33	1
8415-01-547-8684	33	1
8415-01-547-8698	33	1
8415-01-547-8728	33	1
8415-01-547-8747	33	1
8415-01-547-8749	33	1
8415-01-547-8755	33	1

END OF WORK PACKAGE

**FIELD
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PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
A-52095	BULK	108	A-A-52103	BULK	XB
A-A-2917-18	1	7		36	3
	2	9	A-A-55093	BULK	5
A-A-50063B	48	1		37	4
A-A-50186	BULK	17	A-A-55126	BULK	56
	36	4		BULK	57
A-A-50194	21	1		BULK	58
A-A-50195	BULK	95		BULK	59
	BULK	96		BULK	60
	1	6		BULK	65
	2	7		BULK	66
	3	2		BULK	67
	4	2		BULK	70
	10	4		BULK	72
	10	16		BULK	73
	11	4		BULK	74
	11	15		1	4
A-A-50198	BULK	99		1	5
	BULK	101		2	3
	10	3		2	4
	10	15		2	5
	11	14		2	6
	14	6		7	6
	15	6		10	7
A-A-50198A	11	3		10	8
	36	5		10	9
	50	8		10	10
	51	8		10	11
A-A-50199	BULK	98		10	12
	36	6		11	8
	57	4		11	9
	57	5		12	10
	57	10		12	11
	57	14		12	20
A-A-50199A	36	7		12	21
	42	11		12	23
	43	10		12	24
	50	7		13	5
	51	7		42	5
	55	3		42	7
	56	3		43	4
A-A-5126	6	6		43	6

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
A-A-55126	45	3	GL/PD-06-17	25	1
A-A-55127	BULK	3	GL/PD-06-18	23	1
	35	2	GL-PD-06-07	22	1
	37	2	GL-PD-07-13	52	1
	39	2	GL-PD-07-14	53	1
	BULK	94	GTSP CORDLOC, 350-6000	BULK	1
	6	16	HIK 016 GT	BULK	86
	6	18		12	6
A-A-55634	2	11	JJ-W-155	36	11
AA55634- 0017CEFC10O40	2	10		BULK	114
A-A-55634- 00I03CEFC07N50	2	10		BULK	115
A-A-55634A	1	8		12	16
	2	10	LANX I	45	5
AA55634-IVCEFB10P	42	3		46	2
A-A-59826	BULK	102	M20652/1-ABE131	BULK	81
	BULK	103		12	18
	14	4		13	11
	14	5	M20652/1-BBW101	34	14
	15	4		36	15
	15	5	MIL0020652	34	13
	35	4	MIL-0-44191	17	1
	35	5	MIL-A-2334	49	2
	39	4	MIL-B-371	BULK	4
	39	5		BULK	6
(BBL) BLACK DELRIN	12	2		BULK	7
	13	2		BULK	8
	16	6		BULK	9
CCC-C-348	34	3		34	8
DDD-L-20	BULK	83		36	9
	13	9		38	6
	17	10		40	3
	20	2		41	3
DDL-20	12	5		41	4
FQ/PD-04-14	54	1		42	8
	57	15		43	7
GL/PD-06-01	32	1		49	4
GL/PD-06-02	30	1		57	3
GL/PD-06-03	29	1	MIL-B-41826	BULK	2
GL/PD-06-04	28	1		14	2
GL/PD-06-05	26	1		15	2
GL/PD-06-06	24	1	MIL-B-543	BULK	11
GL/PD-06-14	33	1	MILB543TY2STYLE3 CLASS3SIZE5-8	11	7
GL/PD-06-15	31	1			
GL/PD-06-16	27	1		11	18

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
MIL-C-14610	47	1	MIL-C-43701	16	7
MIL-C-2181	49	1	MIL-C-43774	BULK	23
MIL-C-21852	BULK	37		BULK	32
	12	15		3	3
MIL-C-3735	BULK	47		6	14
	BULK	110		7	13
	6	15	MIL-C-4382	1	2
	6	17	MIL-C-43824	BULK	36
	7	14		20	10
MIL-C-3760	BULK	20	MIL-C-43842	BULK	27
	57	13		2	2
MIL-C-3924	BULK	24		6	2
	BULK	25		7	2
	BULK	26	MIL-C-43906	BULK	15
	36	2		42	2
	57	2		43	2
	57	9	MIL-C-44031	BULK	19
MIL-C-43191	BULK	39		50	2
	34	2		51	2
	38	2	MIL-C-44048	50	1
MIL-C-43251	BULK	29	MIL-C-44077C	2	1
	16	12	MIL-C-44111	55	1
	17	6	MIL-C-44157	BULK	34
MIL-C-43303	BULK	42		12	14
	BULK	45	MIL-C-44162	BULK	35
	34	7		16	2
	42	10	MIL-C-44187	BULK	22
	43	9		12	12
	BULK	43		13	7
	1	12		20	9
	36	8	MIL-C-44371	10	1
	40	4	MIL-C-44431	BULK	33
	41	6	MIL-C-508	BULK	28
MIL-C-43455	34	1		14	3
MIL-C-43468	BULK	18		15	3
	BULK	38	MIL-C-83141	5	1
	50	3	MIL-C-83429	BULK	31
	51	3		10	2
MIL-C-43549	57	8		10	14
MIL-C-43677	BULK	16		11	2
	50	9		11	13
	51	10	MIL-D-44165	19	1
MIL-C-43701	BULK	44	MIL-DTL-43685C	BULK	112
	12	19		2	8
	13	3		3	4

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
MIL-DTL-43685C	4	4	MIL-F-21840	10	19
	11	11		10	20
	11	22		10	21
MIL-DTL-44436	55	2		10	22
	56	2		10	23
	57	12		10	24
	57	16		11	19
MIL-DTL-508	37	3		11	20
	39	3		13	6
MIL-DTL-508K	35	3		16	9
MIL-E-20625	BULK	48		16	10
	16	8		20	4
MIL-E-20652/1	12	17		20	5
MIL-F-10084	3	5		20	6
	BULK	77		34	10
	BULK	78	MIL-G-44108	8	1
	BULK	79	MIL-G-81188	9	1
	BULK	80	MIL-H-43555	57	1
	BULK	82	MIL-H-44105	57	11
	13	10	MIL-H-9890	BULK	10
	20	7		38	12
	40	6	MIL-J-43923	6	1
	40	7	MIL-J-43924E	7	1
	41	8	MIL-L-43335	44	1
	41	9	MIL-L-43466	37	1
MILF10884STYLE2A FINISH2	BULK	76	MIL-L-43498	15	1
	34	12		39	1
	36	13	MIL-L-43536	14	1
	38	11		35	1
MIL-F-21840	BULK	53	MIL-L-43672	39	1
	BULK	54	MIL-L-44299	3	1
	BULK	55		4	1
	BULK	61	MIL-M-41837	49	3
	BULK	62	MIL-M-43946	42	12
	BULK	63		43	11
	BULK	68	MIL-O-44109	1	1
	BULK	69	MIL-P-10809	40	1
	BULK	71	MIL-P-43496	36	1
	6	5	MIL-P-43907	42	1
	6	7		43	1
	6	8	MIL-P-44188	12	1
MIL-F-21840	7	5	MIL-R-44354	20	1
	7	7	MIL-S-441 63A	16	1
	7	8	MIL-S-44110	56	1
			MIL-T-2060	38	1

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
MIL-T-2283	BULK	91		15	8
	12	3	MIL-U-44164	18	1
	12	4	MIL-U-44435	45	1
	12	8		46	1
	12	9	MIL-W-4088	BULK	118
	13	8		BULK	119
	16	3		17	7
	17	2		17	9
MIL-T-3530	BULK	105	MILW530	BULK	116
	40	5		BULK	117
	41	7		38	7
MIL-T-43548	BULK	97		38	8
	34	5	NASM20652	BULK	49
	34	6		BULK	111
	38	4		36	14
	38	5	SF/2" 5050	17	3
MIL-T-43566	BULK	87	T-T-881	BULK	109
	BULK	88		6	13
	BULK	89		7	12
	16	4	V-B-871	BULK	13
	34	9		BULK	14
	36	10		10	6
	41	5		10	18
	50	4		11	6
MIL-T-43636	6	9		11	17
	7	9		14	7
MIL-T-43654	41	1		15	7
MIL-T-43709	BULK	90		34	11
	6	12		36	12
	7	11		38	10
	11	23		39	7
MIL-T-44047	51	1		41	10
MIL-T-44100	BULK	104		50	6
	10	5		51	6
	10	17		55	4
	11	5		57	7
	11	16	V-F-106	BULK	51
MIL-T-44189	13	1		BULK	52
MIL-T-44372	11	1		1	8
	11	13		2	10
MIL-T-5038	BULK	92		2	11
	50	5		5	2
MIL-T-5038	51	5		5	3
MIL-T-6134	BULK	85		5	4
	14	8		5	5

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
V-F-106	5	6	V-T-280	57	6
	5	7	V-T-285	BULK	93
	6	3		BULK	106
	6	4		BULK	107
	7	3		6	10
	7	4		7	10
	10	13		12	22
	10	25		13	13
	10	25		16	11
	11	10		17	4
	11	21		20	3
	12	7		42	4
	12	13		43	3
	13	4	V-T-295	37	5
	13	12		37	6
	16	5		37	7
	17	5	2300	1	9
	17	8	2662	BULK	113
	18	3	6/1/5876	42	6
	34	15		43	5
	34	16	15034-K-1	17	11
	41	13	1791K70	BULK	84
	41	14	2-6-104	BULK	75
	41	15		40	9
	45	4		41	12
V-F-106 TY 1 ST 15 SZ MS	2	11	5-4-1695-4	45	2
V-F-108	1	8		BULK	64
V-T-280	34	4	74-0533	BULK	12
			74-3334	BULK	12
			74-3334-27-13-10161	1	11
			83429-CL8	BULK	30
	38	3	93XB-10224	1	10

END OF WORK PACKAGE

CHAPTER 11
SUPPORTING INFORMATION
FOR
CLOTHING

**SUPPORTING INFORMATION
REFERENCES**

SCOPE

This work package lists all field manuals, forms, technical manuals, and miscellaneous publications referenced throughout this manual.

ARMY REGULATIONS

AR 700-15	Packaging of Materiel
AR 735-11-2	Reporting of Supply Discrepancies
AR 750-1	Army Material Maintenance Policy

DA PAMPHLETS

DA PAM 25-30	Consolidated Index of Army Publications and Blank Forms
DA PAM 738-751	Functional Users Manual for The Army Maintenance Management System-Aviation (TAMMS-A)
DA PAM 750-8	The Army Maintenance Management System (TAMMS) Users Manual

FIELD MANUALS

FM 4-25.11 (FM 21-11)	First Aid for Soldiers
FM 42-414E	Tactics, Techniques, and Procedures for Quartermaster Field Service Company, Direct Support

FORMS

DA Form 2404	Equipment Inspection & Maintenance Worksheet
DD Form 361	Transportation Discrepancy Report (TDR)
SF 368	Product Quality Deficiency Report (PQDR)

TECHNICAL BULLETINS

TB 43-0002-27	Maintenance Expenditure Limits for FSC Group 84 (FSC Class 8400)
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TECHNICAL MANUALS

TM 4700-15/1 (Marine Corps)	Equipment Maintenance Forms and Procedures
TO 14P3-1-102/ TM 10-8470-202-13	Ground and Aircrew Body Armor

MISCELLANEOUS MILITARY SPECIFICATIONS/PUBLICATIONS

A-A-55126	Fastener Tapes, Hook & Pile, Synthetic
A-A-50195	Aramid Thread
A-A-55195	Para-Aramid, Spun, Intermediate Modulus Thread
A-A-55634A	Zippers (Fasteners, Slide Interlocking)
ASTM D6193	Standard Practice for Stitches and Seams
MIL-J-43923C (GL)	Jacket, Flyer's, Lightweight, (Expandable Wrists and Waist)
MIL-J-43924E (GL)	Jackets, Cold Weather, (High Temperature Resistant)

END OF WORK PACKAGE

**FIELD
MAINTENANCE ALLOCATION CHART (MAC)**

INTRODUCTION**The Army Maintenance System MAC**

This introduction provides a general explanation of the maintenance and repair functions.

The MAC (immediately following this introduction) designates overall authority and responsibility for the performance of maintenance tasks on the identified end item or component. The application of the maintenance tasks to the end item or component shall be consistent with the capacities and capabilities of the designated maintenance levels/classes, which are shown in the MAC in column (4). Column (4) is divided into two secondary columns. These columns indicate the maintenance levels/classes of "Field" and "Sustainment." Each maintenance level column is further divided into two sub-columns. These sub-columns identify the maintenance classes and are as follows:

1. Field level maintenance classes:
 - a. Crew (operator) maintenance. This is the responsibility of a using organization to perform maintenance on its assigned equipment. It normally consists of inspecting, servicing, lubricating, adjusting, and replacing parts, minor assemblies, and subassemblies. Items with a "C" ("O" for joint service reporting) in the third position of the Source, Maintenance, and recoverability (SMR) code may be replaced at the crew (operator) class. A code of "C" ("O" for joint service) in the fourth position of the SMR code indicates complete repair is authorized at the crew (operator) class.
 - b. Maintainer maintenance. This is maintenance accomplished on a component, accessory, assembly, subassembly, plug-in unit, or other portion by field level units. This maintenance is performed either on the system or after it is removed. An "F" in the third position of the SMR code indicates replacement of assemblies, subassemblies, or other components is authorized at this level. An "F" in the fourth position of the SMR code indicates complete repair of the identified item is allowed at the Maintainer class. Items repaired at this level are normally returned to the user after maintenance is performed.
2. Sustainment level maintenance classes:
 - a. Below depot sustainment. This is maintenance accomplished on a component, accessory, assembly, subassembly, plug-in unit, or other portion either on the system or after it is removed. The item subject to maintenance has normally been forwarded to a maintenance facility away from the field level supporting units. An "H" in the third position of the SMR code indicates replacement of assemblies, subassemblies, or other components is authorized at this class. An "H" appearing in the fourth position of the SMR code indicates complete repair is possible at this class. Items are normally returned to the supply system after maintenance is performed at this class.
 - b. Depot. This is maintenance accomplished on a component, accessory, assembly, subassembly, plug-in unit, or other portion either on the system or after it is removed. Assets to be repaired at this class are normally returned to an Army Depot or authorized contractor facility. The replace function for this class of maintenance is indicated by the letter "D" or "K" appearing in the third position of the SMR code. A "D" or "K" appearing in the fourth position of the SMR code indicates complete repair is possible at the depot sustainment maintenance level. Items are returned to the supply system after maintenance performed at this class.

The tools and test equipment requirements table (immediately following the MAC) lists the tools and test equipment (both special tools and common tool sets) required for each maintenance task as referenced from the MAC.

INTRODUCTION — CONTINUED

The remarks table (immediately following the tools and test equipment requirements) contains supplemental instructions and explanatory notes for a particular maintenance task.

Maintenance Functions (Tasks)

Maintenance functions are limited to and defined as follows:

1. **Inspect.** A function to determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination (e.g., by sight, sound, or feel).
2. **Test.** To verify serviceability by measuring the mechanical, pneumatic, hydraulic, or electrical characteristics of an item and comparing those characteristics with prescribed standards, e.g., load testing of lift devices or hydrostatic testing of pressure hoses.
3. **Service.** Operations required periodically to keep an item in proper operating condition such as replenishing fuel, lubricants, chemical fluids, or gases.
4. **Adjust.** To maintain or regulate, within prescribed limits, by bringing into proper position, or by setting the operating characteristics to specified parameters.
5. **Align.** To adjust specified variable elements of an item to bring about optimum or desired performance.
6. **Calibrate.** To determine and cause corrections to be made or to be adjusted on instruments of test, measuring, and diagnostic equipment used in precision measurement. It 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.
7. **Remove.** The act of taking a component off an asset to facilitate other maintenance on a different component or on the same component (except for replace and repair.)
8. **Install.** The act of placing, positioning, or otherwise locating a component to make it part of a higher level end item. The install task is authorized by the LMI/MAC and the assigned maintenance level is shown as the third position code of the SMR code.
9. **Replace.** The act of taking off an unserviceable component and putting a serviceable component in its place. The replace task is authorized by the LMI/MAC and the assigned maintenance level is shown as the third position code of the SMR code.

NOTE

The following definitions are applicable to the "repair" maintenance task: Fault location/troubleshooting. The process of investigating and detecting the cause of equipment malfunctioning; the act of isolating a fault within a system or Unit Under Test (UUT).

Actions. Welding, grinding, riveting, straightening, facing, machining, and/or resurfacing.

10. **Repair.** The act of restoring an item to a completely serviceable or fully mission capable status. The repair task is authorized by the LMI/MAC and the assigned maintenance level is shown as the fourth position code of the SMR code.
11. **Paint.** This is a function to prepare and apply coats of paint. When used with munitions, the paint is applied so the ammunition can be identified and protected.
12. **Overhaul.** This is the maintenance effort (service/action) prescribed to restore an item to a completely serviceable/operational condition as required by maintenance standards in the appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to a like-new condition.
13. **Rebuild.** This 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 (e.g., hours/miles) considered in classifying Army equipment/components.

INTRODUCTION — CONTINUED**Maintenance Functions (Tasks) – Continued**

14. Lubricate. The act of applying a material (e.g., oil or grease) to reduce friction and allow a component to operate in a more efficient manner.
15. Mark. The process of restoring obliterated identification on an asset.
16. Pack. To place an item into a container for either storage or shipment after service and other maintenance operations have been completed.
17. Unpack. The act of removing an asset from a storage or shipping container in preparation to perform further maintenance (e.g., repair or install).
18. Preserve. The action required to treat systems and equipment whether installed or stored, to ensure a serviceable condition.
19. Prepare for Use. Those steps required to make an asset ready for other maintenance (e.g., remove preservatives, lubricate, etc.).
20. Assemble. The step-by-step instructions to join the component pieces of an asset together to make a complete serviceable asset.
21. Disassemble. The step-by-step breakdown (taking apart) of a spare/functional group coded item to the level of its least component, that is assigned an SMR code for the level of maintenance under consideration (i.e., identified as maintenance significant).
22. Clean. Step-by-step instructions on how to remove dirt, corrosion or other contaminants from equipment. Refer to appropriate painting, lubrication, and preservation methods to restore original corrosion prevention and control methods when removed as a result of cleaning and/or when using cleaning to remove corrosion from the item.
23. Non Destructive Inspection. Step-by-step instructions on preparation and accomplishment inspections which do not destroy or damage the equipment.
24. Radio interference suppression. Step-by-step instructions to ensure installed equipment, either communication or other electronics, does not interfere with installed communication equipment.
25. Place in Service. Step-by-step instructions required to place an item into service that are not covered in the Service Upon Receipt work package.
26. Towing. The step-by-step instructions to connect one vehicle to another for the purpose of having one vehicle moved through the motive power of the other vehicle.
27. Jacking. The step-by-step instructions to mechanically raise or lift a vehicle to facilitate maintenance on the vehicle.
28. Parking. Step-by-step instructions to safely place a vehicle in a lot, ramp area or other designated location.
29. Mooring. Step-by-step instructions to secure a vehicle by chains, ropes or other means to protect the vehicle from environmental conditions or secure for transportation.
30. Covering. Step-by-step instructions to place a protective wrapping over a vehicle to protect it from environmental conditions or to hide (e.g., camouflage) it.
31. Hoisting. Step-by-step instructions to allow a vehicle to be raised by cables or ropes through attaching points.
32. Sling Loading. Step-by-step instructions to place a sling around a vehicle to allow it to be raised.
33. External Power. Step-by-step instructions on how to apply electrical power from any authorized power source (e.g., external generator or facility power).
34. Preparation for Storage or Shipment. Step-by-step instructions for preparing the equipment for placement into administrative storage or for special transportation requirements.
35. Arm. Detailed instructions on activating munitions prior to use.

INTRODUCTION — CONTINUED**Maintenance Functions (Tasks) – Continued**

36. Load. This may be one of two tasks:
- a. For transportation, the act of placing assets onto a transportation medium (e.g., pallet, truck, container).
 - b. For weapons/weapons systems, the act of placing munitions into the weapon/weapons system.
37. Unload. This may be one of two tasks:
- a. For transportation, the act of removing assets from a transportation medium (e.g., pallet, truck, container).
 - b. For weapons/weapons systems, the act of removing munitions from the weapon/weapons system.
38. Software maintenance. Step-by-step instructions for software maintenance (e.g., installing, un-installing, etc.).

Explanation of Columns in the MAC

Column (1) Group Number. Column (1) lists Functional Group Code (FGC) numbers, the purpose of which is to identify maintenance significant components, assemblies, subassemblies, and modules with the Next Higher Assembly (NHA).

Column (2) Component/Assembly. Column (2) contains the item names of components, assemblies, subassemblies, and modules for which maintenance is authorized.

Column (3) Maintenance Function. Column (3) lists the functions to be performed on the item listed in column (2). (For a detailed explanation of these functions, refer to maintenance functions (tasks) outlined previously.)

Column (4) Maintenance Level. Column (4) specifies each level/class of maintenance authorized to perform each function listed in column (3), by indicating work time required in the appropriate sub-column. This work time figure represents the active time required to perform that maintenance task at the indicated level/class of maintenance. If the number or complexity of the tasks within the listed maintenance task varies at different maintenance classes, appropriate work time figures are to be shown for each class.

The work time figure represents the average time required to perform the prescribed task (assembly, subassembly, component, module, end item, or system) on the item under typical operating conditions for that maintenance level/class. This time includes preparation time (including any necessary disassembly/assembly time), troubleshooting/fault location time, and quality assurance time in addition to the time required to perform the specific tasks identified for the maintenance tasks authorized in the MAC. The symbol designations for the various maintenance levels/classes and classes are as follows:

Field:

- C Crew maintenance
- F Maintainer maintenance

Sustainment:

- L Specialized Repair Activity (SRA)
- H Below depot maintenance
- D Depot maintenance

INTRODUCTION — CONTINUED**Explanation of Columns in the MAC – Continued****NOTE**

The “L” maintenance class is not included in column (4) of the MAC. Functions to this class of maintenance are identified by work time figure in the “H” column of column (4), and an associated reference code is used in the REMARKS column (6). This code is keyed to the remarks, and the SRA complete repair application is explained there.

Column (5) Tools and Equipment Reference Code. Column (5) specifies, by a number code, those common tool sets (not individual tools), common Test, Measurement and Diagnostic Equipment (TMDE), and special tools, special TMDE and special support equipment required to perform the designated function. Codes are keyed to the entries in the tools and test equipment table.

Column (6) Remarks Code. When applicable, this Column (6) contains a letter code, in alphabetical order, which is keyed to the remarks table entries.

Explanation of Columns in the Tools and Test Equipment Requirements

Column (1) Tool or Test Equipment Reference Code. The tool or test equipment reference code correlates with a code used in column (5) of the MAC.

Column (2) Maintenance Level. The lowest class of maintenance authorized to use the tool or test equipment.

Column (3) Nomenclature. Name or identification of the tool or test equipment.

Column (4) National Stock Number (NSN). The NSN of the tool or test equipment.

Column (5) Tool Number. The manufacturer's part number.

Explanation of Columns in the Remarks

Column (1) Remarks Code. The code recorded in column (6) of the MAC.

Column (2) Remarks. This column lists information pertinent to the maintenance task being performed as indicated in the MAC.

END OF WORK PACKAGE

**FIELD
MAINTENANCE ALLOCATION CHART (MAC)**

Table 1. MAC for Clothing.

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW (C)	MAIN- TAINER (F)	BELOW DEPOT (H)	DEPOT (D)		
01	Combat Vehicle Crewman's Overalls	Inspect Service Repair		0.5 0.5 0.5			A, B	
02	Combat Vehicle Crewman's Coveralls	Inspect Service Repair		0.5 0.5 0.5			A, B	
03	Combat Vehicle Crewman's Coveralls Liner, Shirt and Trousers	Inspect Service Repair		0.5 0.5 0.5			A, B	
04	Flyer's Coveralls	Inspect Service Repair		0.5 0.5 0.5			A, B	
05	Flyer's Jacket and Cold Weather Jacket	Inspect Service Repair		0.5 0.5 0.5			A, B	
06	Combat Gloves (CVC Gloves) and Flyers' Gloves	Inspect Service Repair		0.5 0.5 0.5			A, B	
07	Combat Coat and Trousers (Aircrew) and Camouflage Pattern Coat and Trousers (BDU)	Inspect Service Repair		0.5 0.5 0.5			A, B	
08	Cold Weather Parka and Trousers (ECWCS Gen I)	Inspect Service Repair		0.5 0.5 0.5			A, B	
09	Cold Weather Coat and Trousers Liner (ECWCS Gen I)	Inspect Service Repair		0.5 0.5 0.5			A, B	

MAINTENANCE ALLOCATION CHART (MAC) — CONTINUED

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW (C)	MAIN-TAINER (F)	BELOW DEPOT (H)	DEPOT (D)		
10	Cold Weather Shirt and Overalls (ECWCS Gen I Fiberpile Shirt and Bib Overalls)	Inspect Service Repair		0.5 0.5 0.5				A, B
11	Cold Weather Undershirt and Drawers (ECWCS Gen I Polypropylene Undershirt and Drawers)	Inspect Service Repair		0.5 0.5 0.5				A, B
12	Cold Weather Parka Ruff and Hood (ECWCS Gen I Parka Fur Ruff and Balaclava Hood)	Inspect Service Repair		0.5 0.5 0.5				A, B
13	Extreme Cold Weather Parka and Trousers (ECWCS Gen III Parka and Trousers)	Inspect Service Repair		0.5 0.5 0.5				A, B
14	Wet Weather Jacket and Trousers (ECWCS Gen III Extreme Cold/Wet Weather Jacket and Trousers)	Inspect Service Repair		0.5 0.5 0.5				A, B
15	Cold Weather Jacket and Trousers (ECWCS Gen III Soft Shell Jacket and Trousers)	Inspect Service Repair		0.5 0.5 0.5				A, B
16	Cold Weather Jacket and Fleece Jacket (ECWCS Gen III Wind Jacket and Fleece Jacket)	Inspect Service Repair		0.5 0.5 0.5				A, B

MAINTENANCE ALLOCATION CHART (MAC) — CONTINUED

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW (C)	MAIN-TAINER (F)	BELOW DEPOT (H)	DEPOT (D)		
17	Cold Weather Shirt and Drawers (ECWCS Gen III Mid-Weight Shirt & Drawers)	Inspect Service Repair		0.5 0.5 0.5				A, B
18	Cold Weather Undershirt and Drawers (ECWCS Gen III Light-Weight Undershirt and Drawers)	Inspect Service Repair		0.5 0.5 0.5				A, B
19	Cold Weather Coat and Coat Liner	Inspect Service Repair		0.5 0.5 0.5				A, B
20	Extreme Cold Weather Parka (Without Hood)	Inspect Service Repair		0.5 0.5 0.5				A, B
21	Extreme Cold Weather Parka Liner	Inspect Service Repair		0.5 0.5 0.5				A, B
22	Cold Weather Trousers and Trousers Liner	Inspect Service Repair		0.5 0.5 0.5				A, B
23	Snow Camouflage Parka and Trousers	Inspect Service Repair		0.5 0.5 0.5				A, B
24	Wet Weather Parka and Trousers	Inspect Service Repair		0.5 0.5 0.5				A, B
25	Wet Weather Poncho Liner	Inspect Service Repair		0.5 0.5 0.5				A, B
26	Chemical Protective Undershirt and Drawers	Inspect Service Repair		0.5 0.5 0.5				A, B
27	Explosive Handlers'	Inspect		0.5				

MAINTENANCE ALLOCATION CHART (MAC) — CONTINUED

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW (C)	MAIN-TAINER (F)	BELOW DEPOT (H)	DEPOT (D)		
	Protective Coveralls & Rubber Knee Boots	Service		0.5			A, B	
28	Toxicological Agents' Protective Coveralls and Apron	Inspect Service Repair		0.5 0.5 0.5			A, B	
29	Camouflage Pattern Coat (BDU)	Inspect Service Repair		0.5 0.5 0.5			A, B	
30	Camouflage Pattern Trousers (BDU)	Inspect Service Repair		0.5 0.5 0.5			A, B	
31	Combat Coat and Trousers (ACU)	Inspect Service Repair		0.5 0.5 0.5			A, B	
32	Army Combat Uniform Patrol Cap	Inspect Service Repair		0.5 0.5 0.5			A, B	
33	Maternity Coat and Slacks	Inspect Service Repair		0.5 0.5 0.5			A, B	
34	Headgear	Inspect Service Repair		0.5 0.5 0.5			A, B	

MAINTENANCE ALLOCATION CHART (MAC) — CONTINUED

Table 2. Tools and Test Equipment for Clothing.

TOOLS OR TEST EQUIPMENT	MAINT. LEVEL	NOMENCLATURE	NATIONAL STOCK NUMBER	TOOL NUMBER
1	F	Brush, Scrub, Household	7920-00-068-7903	H-B-515
2	F	Brush, Stenciling	7520-00-248-9285	A-A-2903
3	F	Electric Pot, Melting	5120-00-242-1276	A-A-2903
4	F	Fabric Puller, Light Duty	Local Purchase	
5	F	File, Flat	5110-00-249-2848	GGG-F-325
6	F	Folder, Binding Tape	Local Purchase	
7	F	Holder, Die Fastener	5120-00-357-6177	192
8	F	Knife, Pocket	5110-00-162-2205	MIL-K-818C
9	F	Knife, Hot, Metal		
10	F	Mallet, Rawhide	5120-00-293-3397	GGG-H-33
11	F	Needle Assortment, Glovers, Size 0-4	8315-00-281-9484	FF-N-180
12	F	Needle, Blunt Point, Straight Shank, Size 0	8315-00-262-3733	A-A-55066
13	F	Needle, Upholsterers, Curved, Size 3	8315-00-237-4958	A-A-55066
14	F	Needle, Upholsterers, Curved, Size 5	8315-00-237-4959	A-A-55066
15	F	Press, Grommet and Eyelet, Hand-Op	5120-00-880-0619	M370
16	F	Presser Foot, Modified	Locally manufactured IAW WP 0087	11-1-7088-1
17	F	Punch and Die, Grommet Inserting, No. 0, Stainless Steel	5120-00-221-1146	17-0
18	F	Punch and Die, Grommet Inserting, No. 00	5120-00-357-5753	216-00
19	F	Punch, Cutting	5110-00-180-0924	GGG-P-833
20	F	Ruler, Tab, Metal, 16 Inches	7510-00-173-4897	93287
21	F	Scale, Weighing	6670-00-240-5821	IN10
22	F	Scissors, 8-Inch	Local purchase	

MAINTENANCE ALLOCATION CHART (MAC) — CONTINUED

Table 2. Tools and Test Equipment for Clothing—Continued.

TOOLS OR TEST EQUIPMENT	MAINT. LEVEL	NOMENCLATURE	NATIONAL STOCK NUMBER	TOOL NUMBER
23	F	Screwdriver, Flat-tip, 1/4 in	5120-00-596-8653	B107.15
24	F	Sealing Machine, Heat	3540-01-186-7869	1525AS102-1/30003
25	F	Sewing Machine, Box X	Local purchase	Juki LK-1900A-HS 207
26	F	Sewing Machine, Darning	3530-01-177-8589	00-S-00256/16
27	F	Sewing Machine, Double Needle	3530-00-892-4636	333RBP-6
28	F	Sewing Machine, Heavy Duty	350-01-177-8588	733R5
29	F	Sewing Machine, Heavy Duty, Zig-Zag	3530-01-181-1421	146RB-2A
30	F	Sewing Machine, Industrial Bartack	Local purchase	Juki LK-1900A-HS
31	F	Sewing Machine, Light Duty	3530-01-177-8590	7360R
32	F	Sewing Machine, Light-Heavy Duty	3530-01-186-3079	SK6F-1
33	F	Sewing Machine, Medium Duty	Local Purchase	199R-2A (90338)
34	F	Sewing Machine, Zig-Zag	3530-01-181-1420	00-S-00256/14
35	F	Shears, Tailors, 12 inch	5110-00-223-6370	GGG-S-278 TY1CL4
36	F	Stencil Cutting Machine, Hand Operated	7490-00-164-0537	R/(38512)
37	F	Stitch Removal Tool	Local Purchase	
38	F	Tape, Measuring	5210-01-139-7444	5210-01-139-7444
39	F	Yardstick, 36 Inches	5210-00-985-6610	1260

Table 3. Remarks for Clothing.

REMARK CODES	REMARKS
A	Service is cleaning of equipment.
B	Refer to individual work package for tools requirements.

END OF WORK PACKAGE

**FIELD
EXPENDABLE AND DURABLE ITEMS LIST**

INTRODUCTION

Scope

This work package lists expendable and durable items that you will need to general repair and maintain Clothing. This list is for information only and is not authority to requisition the listed items. These items are authorized to you by CTA 50-970, expendable/Durable Items (Except Medical, Class V Repair Parts, and Heraldic Items), CTA 50-909, Field and Garrison Furnishings and Equipment or CTA 8-100, Army Medical Department Expendable/Durable Items.

Explanation of Columns in the Expendable/Durable Items List

Column (1) Item No. This number is assigned to the entry in the list and is referenced in the narrative instructions to identify the item (e.g., Use brake fluid (WP 0098, Item 5)).

Column (2) Level. This column identifies the lowest level of maintenance that requires the listed item (F = Maintainer or ASB).

Column (3) National Stock Number (NSN). This is the NSN assigned to the item which you can use to requisition it.

Column (4) Item Name, Description, Part Number/(CAGEC). This column provides the other information you need to identify the item. The last line below the description is the part number and the Commercial and Government Entity Code (CAGEC) (in parentheses).

Table 1. Expendable and Durable Items List.

(1) Item Number	(2) Level	(3) National Stock Number (NSN)	(4) Item Name, Description, Part Number/(CAGEC)	(5) U/I
1	F	8040-00-062-4173	Adhesive, 10C1693/92755	TB
2	F	9160-00-253-1171	Beeswax, Technical, C-B-191/(81348)	LB
3	F	7520-00-248-9285	Brush, Stencil, H-97/(7Z049)	EA
4	F	7930-00-252-6797	Detergent, Laundry, P-D-245/(81348)	GL
5	F	7930-00-282-9699	Detergent, General Purpose, 7930-00-282-9699/(83421)	GL
6	F	7930-00-531-9715	Detergent, General Purpose, Four Mole GP Detergent/(0VVN0)	GL
7	F	5350-00-192-5049	Cloth, Abrasive, 05144-02458/(76381)	PG
8	F	7510-00-286-5362	Ink, Marking, Parachute, A-A-59291/(58536)	PT
9	F	9150-00-999-7548	Lubricant, Interlocking Slide Fas, ZE-2GOV/(96980)	BX

Table 1. Expendable and Durable Items List–Continued.

(1) Item Number	(2) Level	(3) National Stock Number (NSN)	(4) Item Name, Description, Part Number/(CAGEC)	(5) U/I
10	F	9150-01-360-1905	Lubricant, Solid Film, MIL-L-46147/(81349)	QT
11	F	7520-00-973-1059	Marker, Tube Type, 6003/(04457)	DZ
12	F	7520-00-973-1059	Marker, Felt Tip, Black, Permanent	DZ
13	F	7520-01-060-5820	Pen, Ball-Point, 7520-01-060-5820/(83421)	DZ
14	F	7510-00-264-4612	Pencil, China Marker, Yellow, A-A-87/(58536)	DZ
15	F	7510-00-240-1525	Pencil, Marking, China, White, A-A-87/(58536)	DZ
16	F	Local Purchase	Pin, Steel, T, Size 24	BX
17	F	7920-00-205-3570	Rag, Wiping	BE
18	F	9310-00-160-7858	Stencil Board, Oiled	HD
19	F	9160-00-285-2044	Wax, Paraffin, Technical (CAGEC 81348), P/N VVW95	LB

END OF WORK PACKAGE

**FIELD
TOOL IDENTIFICATION LIST**

INTRODUCTION

Scope

This work package lists all common tools and supplements and special tools/fixtures needed to maintain clothing.

Explanation of Columns in the Tool Identification List

Column (1) Item Number. This number is assigned to the entry in the list and is referenced in the initial setup to identify the item (e.g., Packing Weight (WP 0105, Item 33)).

Column (2) Item Name. This column lists the item by noun nomenclature and other descriptive features (e.g., Gage, belt tension).

Column (3) National Stock Number. This is the National Stock Number (NSN) assigned to the item; use it to requisition the item.

Column (4) Part Number/CAGEC. 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. The manufacturer's Commercial and Government Entity Code (CAGEC) is also included.

Column (5) Reference. This column identifies the authorizing supply catalog or RPSTL for items listed in this work package.

Table 1. Tool Identification List.

(1). ITEM NO	(2) ITEM NAME	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER/ CAGEC	(5) REFERENCE
1	Brush, Scrub, Household	7920-00-068-7903	HB00515/(81348)	TM 10-8400-201-23&P
2	Brush, Stenciling	7520-00-248-9285	H-B-00621/(81348)	TM 10-8400-201-23&P
3	Electric Pot, Melting	5120-00-242-1276	W-G-441/(81348)	TM 10-8400-201-23&P
4	Fabric Puller, Light Duty	Local Purchase		TM 10-8400-201-23&P
5	File, Flat	5110-00-249-2848	GGG-F-325/(80244)	TM 10-8400-201-23&P
6	Folder, Binding Tape	Local Purchase		TM 10-8400-201-23&P
7	Holder, Die Fastener	5120-00-357-6177	192/(13940)	TM 10-8400-201-23&P
8	Knife, Pocket	5110-00-162-2205	MIL-K-818C/(81349)	TM 10-8400-201-23&P
9	Knife, Hot, Metal		4025	TM 10-8400-201-23&P
10	Mallet, Rawhide	5120-00-293-3397	GGG-H-33/ (81348)	TM 10-8400-201-23&P
11	Needle Assortment, Glover's	8315-00-281-9484	FF-N-180/(81348)	TM 10-8400-201-23&P

Table 1. Tool Identification List – Continued.

(1). ITEM NO	(2) ITEM NAME	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER/ CAGEC	(5) REFERENCE
12	Needle, Harness	8315-00-262-3733	FF-N-180/(81348)	TM 10-8400-201-23&P
13	Needle, Upholsterer's	8315-00-237-4958	A-A-55066/(58536)	TM 10-8400-201-23&P
14	Needle, Upholsterer's	8315-00-237-4959	A-A-55066/(58536)	TM 10-8400-201-23&P
15	Press, Grommet and Eyelet, Hand-OP	5120-00-880-0619	M370/(13940)	TM 10-8400-201-23&P
16	Presser Foot, Modified	Manufacture IAW WP 0087	11-1-7088-1/(81337)	TM 10-8400-201-23&P
17	Punch and Die, Grommet Inserting, No. 0, Stainless Steel	5120-00-221-1146	17-0/(66858)	TM 10-8400-201-23&P
18	Punch and Die, Grommet Inserting, No. 00	5120-00-357-5753	216-00/(76970)	TM 10-8400-201-23&P
19	Punch, Cutting, Double Bow	5110-00-180-0924	GGG-P-833/(81348)	TM 10-8400-201-23&P
20	Ruler, Tab, Metal, 16 Inches	7510-00-173-4897	/(93287)	TM 10-8400-201-23&P
21	Scale, Weighing	6670-00-240-5821	IN10/(11710)	TM 10-8400-201-23&P
22	Scissors, 8-inch	Local purchase		TM 10-8400-201-23&P
23	Screwdriver, Flat-tip, 1/4 in	5120-00-596-8653	B107.15	TM 10-8400-201-23&P
24	Sealing Machine, Heat	3540-01-186-7869	1525AS102-1/ (30003)	TM 10-8400-201-23&P
25	Sewing Machine, Box X	Local purchase	Recommended Juki LK-1900A-HS 207/(8N184)	TM 10-8400-201-23&P
26	Sewing Machine, Darning	3530-01-177-8589	00-S- 00256/16/(81348)	TM 10-8400-201-23&P
27	Sewing Machine, Double Needle	3530-00-892-4636	339RB-4/(90338)	TM 10-8400-201-23&P
28	Sewing Machine, Heavy Duty	3530-01-177-8588	733R-5/(90338)	TM 10-8400-201-23&P
29	Sewing Machine, Heavy Duty, Zig-Zag	3530-01-181-1421	146RB-2A/(90338)	TM 10-8400-201-23&P
30	Sewing Machine, Industrial Bartack	Local purchase	Juki LK-1900A-HS 207/(8N184)	TM 10-8400-201-23&P
31	Sewing Machine, Light Duty	3530-01-177-8590	7360R/(90338)	TM 10-8400-201-23&P
32	Sewing Machine, Light- Heavy Duty	3530-01-186-3079	SK6F-1/(90338)	TM 10-8400-201-23&P
33	Sewing Machine, Medium Duty	Local Purchase	199R-2A (90338)	TM 10-8400-201-23&P
34	Sewing Machine, Zig- Zag	3530-01-181-1420	00-S- 00256/14/(81348)	TM 10-8400-201-23&P
35	Shears, Tailor's, 12 inch	5110-00-223-6370	GGG-S-278 TY1CL4/(80244)	TM 10-8400-201-23&P

Table 1. Tool Identification List – Continued.

(1). ITEM NO	(2) ITEM NAME	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER/ CAGEC	(5) REFERENCE
36	Stencil Cutting Machine, Hand Operated	7490-00-164-0537	R/(38512)	TM 10-8400-201-23&P
37	Stitch Removal Tool	Local Purchase		TM 10-8400-201-23&P
38	Tape, Measuring	5210-01-139-7444	5210-01-139- 7444/(80244)	TM 10-8400-201-23&P
39	Yardstick, 36 Inches	5210-00-985-6610	1260/(65LN0)	TM 10-8400-201-23&P

END OF WORK PACKAGE

These are the instructions for sending an electronic 2028

The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, and 27.

From: "Whomever" <whomever@avma27.army.mil>
To: TACOMLCMC.DAForm2028@us.army.mil

Subject: DA Form 2028

1. From: Joe Smith
2. Unit: home
3. Address: 4300 Park
4. City: Hometown
5. St: MO
6. Zip: 77777
7. Date Sent: 19-OCT-93
8. Pub no: 55-2840-229-23
9. Pub Title: TM
10. Publication Date: 04-JUL-85
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
22. Reference: 6
23. Figure: 7
24. Table: 8
25. Item: 9
26. Total: 123
27. Text:

This is the text for the problem below line 27.

RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS For use of this form, see AR 25-30; the proponent agency is ODISC4.						Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).	DATE 21 October 2003
TO: (Forward to proponent of publication or form) (Include ZIP Code) US ARMY TACOM LIFE CYCLE MANAGEMENT COMMAND ATTN: AMSTA-LC-SECT 15 KANSAS ST NATICK, MA 01760-5052						FROM: (Activity and location) (Include ZIP Code) PFC JANE DOE Co A 3 RD Engineer Br. Ft Leonard Wood, MO 63108	
PART I – ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS							
PUBLICATION/FORM NUMBER TM 10-1670-296-23&P				DATE 30 October 2002	TITLE Unit Manual for Ancillary Equipment for Low Velocity Air Drop Systems		
ITEM NO.	PAGE NO.	PARA-GRAPH	LINE NO. *	FIGURE NO.	TABLE NO.	RECOMMENDED CHANGES AND REASON (Provide exact wording of recommended changes, if possible).	
	0036 00-2				1	<p>In Table 1, Sewing Machine Code Symbols, the second sewing machine code symbol should be MDZZ not MD22</p> <p>Change the manual to show Sewing Machine, Industrial: Zig-Zag; 308 stitch; medium-duty; NSN 3530-01-181-1421 as a MDZZ code symbol.</p>	
*Reference to line numbers within the paragraph or subparagraph.							
TYPED NAME, GRADE OR TITLE Jane Doe, PFC				TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION (508) 233-4141 DSN 256-4141		SIGNATURE Jane Doe <i>Jane Doe</i>	

TO: <i>(Forward direct to addressee listed in publication)</i> US ARMY TACOM LIFE CYCLE MANAGEMENT COMMAND ATTN: AMSTA-LC-SECT 15 KANSAS ST NATICK, MA 01760-5052	FROM: <i>(Activity and location) (Include ZIP Code)</i> PFC JANE DOE Co A 3 RD Engineer Br. Ft Leonard Wood, MO 63108	DATE 21 October 2003
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PART II – REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION NUMBER TM 10-1670-296-23&P	DATE 30 October 2002	TITLE Unit Manual for Ancillary Equipment for Low Velocity Air Drop Systems
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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION
0066 00-					4			<i>Callout 16 in figure 4 is pointed to a D-Ring. In the Repair Part List key for Figure 4, item 16 is called a <u>Snap Hook</u>. Please correct one or the other.</i>

PART III – REMARKS

(Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)

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TYPED NAME, GRADE OR TITLE	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION	SIGNATURE
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RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS						Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).	DATE
For use of this form, see AR 25-30; the proponent agency is ODISC4.							
TO: (Forward to proponent of publication or form) (Include ZIP Code) US ARMY TACOM LIFE CYCLE MANAGEMENT COMMAND ATTN: AMSTA-LCL-MPP/TECHPUBS MS 727, 6501 E. 11 Mile Road Warren, MI 48397-5000						FROM: (Activity and location) (Include ZIP Code)	
PART I – ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS							
PUBLICATION/FORM NUMBER TM 10-8400-201-23&P				DATE 1 October 2014		TITLE Field Maintenance Manual Including Repair Parts and Special Tools List for General Repair Procedures for Clothing	
ITEM NO.	PAGE NO.	PARA-GRAPH	LINE NO. *	FIGURE NO.	TABLE NO.	RECOMMENDED CHANGES AND REASON (Provide exact wording of recommended changes, if possible).	
*Reference to line numbers within the paragraph or subparagraph.							
TYPED NAME, GRADE OR TITLE				TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION		SIGNATURE	

TO: (Forward to proponent of publication or form) (Include ZIP Code)
 US ARMY TACOM LIFE CYCLE MANAGEMENT COMMAND
 ATTN: AMSTA-LCL-MPP/TECHPUBS
 MS 727, 6501 E. 11 Mile Road
 Warren, MI 48397-5000

FROM: (Activity and location) (Include ZIP Code)

DATE

PART II – REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION NUMBER
 TM 10-8400-201-23&P

DATE
 1 October 2014

TITLE
 Field Maintenance Manual Including Repair Parts and
 Special Tools List for General Repair Procedures for Clothing

PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

PART III – REMARKS (Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)

TYPED NAME, GRADE OR TITLE

TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION

SIGNATURE

<p align="center">RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS</p> <p align="center">For use of this form, see AR 25-30; the proponent agency is ODISC4.</p>						Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).	DATE
TO: (Forward to proponent of publication or form) (Include ZIP Code) US ARMY TACOM LIFE CYCLE MANAGEMENT COMMAND ATTN: AMSTA-LCL-MPP/TECHPUBS MS 727, 6501 E. 11 Mile Road Warren, MI 48397-5000						FROM: (Activity and location) (Include ZIP Code)	
PART I – ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS							
PUBLICATION/FORM NUMBER TM 10-8400-201-23&P						DATE 1 October 2014	TITLE Field Maintenance Manual Including Repair Parts and Special Tools List for General Repair Procedures for Clothing
ITEM NO.	PAGE NO.	PARA-GRAPH	LINE NO. *	FIGURE NO.	TABLE NO.	RECOMMENDED CHANGES AND REASON <i>(Provide exact wording of recommended changes, if possible).</i>	
<i>*Reference to line numbers within the paragraph or subparagraph.</i>							
TYPED NAME, GRADE OR TITLE				TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION		SIGNATURE	

TO: (Forward to proponent of publication or form) (Include ZIP Code)
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 ATTN: AMSTA-LCL-MPP/TECHPUBS
 MS 727, 6501 E. 11 Mile Road
 Warren, MI 48397-5000

FROM: (Activity and location) (Include ZIP Code)

DATE

PART II – REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION NUMBER
 TM 10-8400-201-23&P

DATE
 1 October 2014

TITLE
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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

PART III – REMARKS (Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)

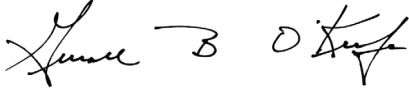
TYPED NAME, GRADE OR TITLE

TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION

SIGNATURE

By Order of the Secretary of the Army:

Official:

Handwritten signature of Gerald B. O'Keefe in black ink, featuring a stylized 'G' and 'B'.

GERALD B. O'KEEFE
*Administrative Assistant to the
Secretary of the Army*
1407002

RAYMOND T. ODIERNO
*General, United States Army
Chief of Staff*

Army Distribution:

Initially published in electronic media only. If at a later date this publication is printed, it will be distributed in accordance with the initial distribution number (IDN) 255099, requirements for TM 10-8400-201-23&P.

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 decigrams = .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 feet

Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
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 $\frac{5}{9}$ (after subtracting 32) Celsius temperature °C

PIN: 087674-000