

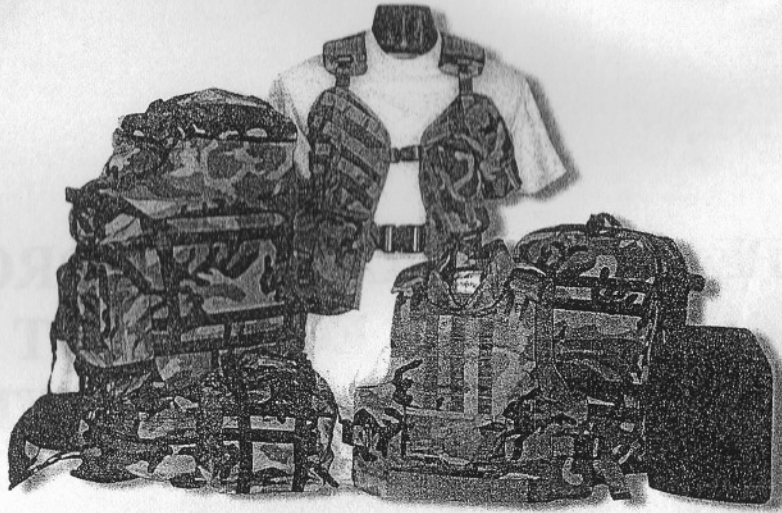


**SPECIAL OPERATIONS FORCES
PERSONAL EQUIPMENT
ADVANCED REQUIREMENTS
(SPEAR)**

**EQUIPMENT LOAD CARRYING
SUBSYSTEM
(ELCS)**

USE AND CARE MANUAL

01OCT99
MS09004



BALCS

Body Armor/Load Carriage System

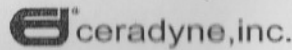


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102. General

The SPEAR Equipment Load Carrying System (ELCS) is divided into two basic categories of components, as follows;

a. Platform Components - Those items which pouches and accessories attach to (for example, Panel Set, Belt Assembly or H-Harness Assembly), or which support the items which accept pouches (for example, Shoulder Pad Assembly).

b. Pouches / Accessories - Those items which are designed to attach to platform components and carry a specific item or items.

The design of the SPEAR ELCS is such to allow mission tailoring of not only the equipment to be carried but also the platform on which it is carried. This is accomplished by providing maximum modularity in both the pouch attachment method, and also the variety of available configurations of the platform components.

The platform components allow the system to be configured in a traditional harness system, with equipment being carried on the belt, or configured in the style of load bearing vest, or in a combination of the two. The platform components feature easy adjustments at the shoulder (height), waist (girth) and chest (girth) and are a single size system.

The individual pouch and accessory components are attached to the platform components utilizing the Pouch Attachment Ladder System (PALS). This system attaches items through the "inter-weaving" of webbing between the item to be attached and the platform to which it is being attached. This provides a strong, stable attachment system to ensure the attached item remains securely in place. Provision has also been made within the system to allow further customizing by providing ALICE (All-Purpose Lightweight Individual Carrying Equipment) Adapter components. These items act as an interface piece allowing items with ALICE (All-Purpose Lightweight Individual Carrying Equipment) attachment or select commercial attachment systems to be securely carried on the SPEAR ELCS.



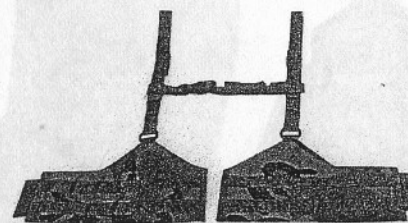
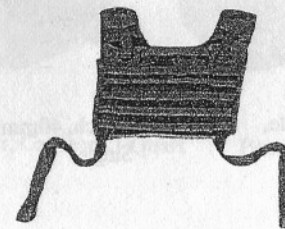
103. Components of SPEAR ELCS

A. Platform Components

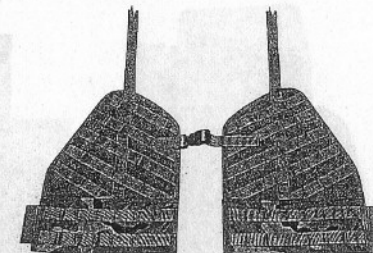
Belt Assembly



Shoulder Pad Assembly



H-Harness Panel Set, (1 Left, 1 Right)



Load Bearing Panel Set, (1 Left, 1 Right)



103. Components of ELCS (continued)

B. Pouches / Accessories



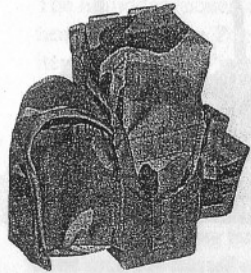
Pouch, Grenade, Multi-Purpose



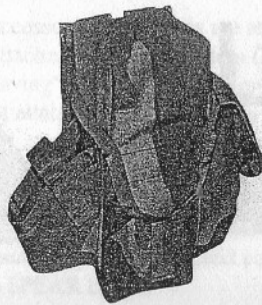
Pouch, 40mm, Illumination, Single



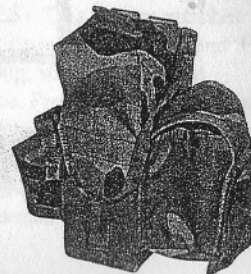
Pouch, Ammo, M16, 30rd, Triple, w/ Frag Grenade



Pouch, Ammo, M16, 30rd, Triple, w/ Frag and Multi-Purpose Grenade



Pouch, Ammo, M16, 30rd, Triple, w/ Frag Grenade and Strobe Light



Pouch, Ammo, M16, 30rd, Triple, w/ Frag Grenade and Multi-Purpose Grenade

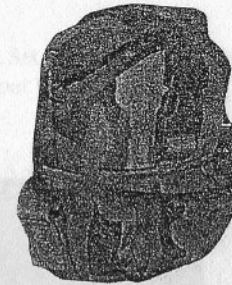


103. Components of ELCS (continued)

B. Pouches / Accessories (continued)



Pouch, Ammo, M14, 20rd, Triple



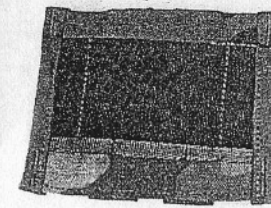
Cover, Canteen, 1 Quart



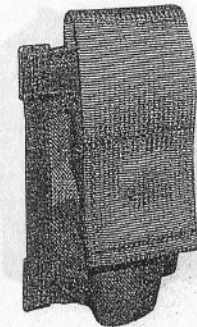
Pouch, General Purpose, Large



Pouch, Ammo, MP5, 30rd, Triple



ALICE Attachment Adapter

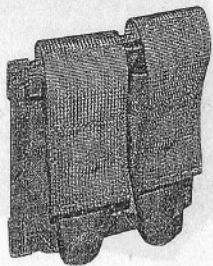


Pouch, 40mm, HE Rounds, Single



103. Components of ELCS (continued)

B. Pouches / Accessories (continued)



Pouch, 40mm, HE Rounds, Double



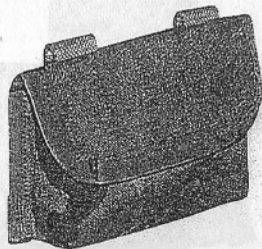
Pouch, Ammo, M16, 30rd, Double



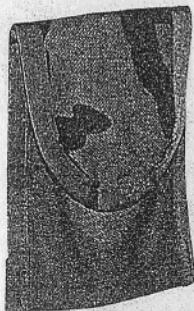
Pouch, Ammo, M16, 30rd, Single



Pouch, Ammo, M60, 100 Rounds



Pouch, Ammo, Shotgun, 5 Rounds

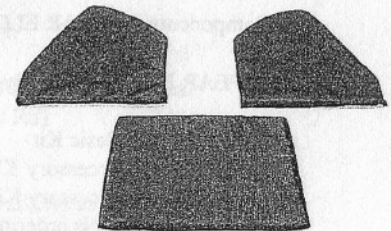


Pouch, General Purpose, Small, Compass or First Aid Dressing

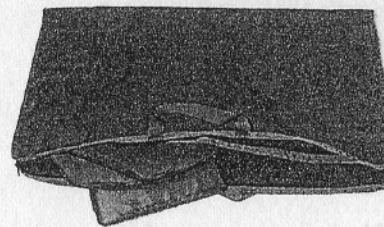


103. Components of ELCS (continued)

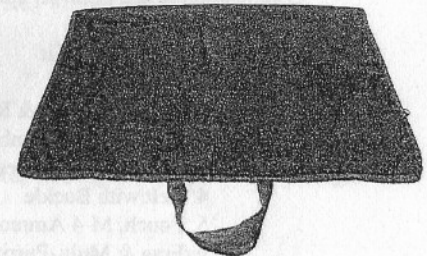
B. Pouches / Accessories (continued)



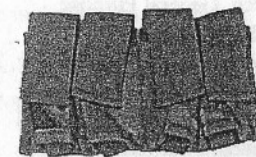
Flotation Element Set, 1 Front Left, 1 Front Right, 1 Rear



Storage Organization Device



Carrier, Canteen, 2 Quart



Pouch, 40mm, HE Rounds, Quad



Pouch, Magazine, M249, 200 Round



Pouch, 9mm, Sidearm, Mag



Pouch, Medical



103. Components of ELCS (continued)

C. Components of SPEAR ELCS Scales of Issue

The SPEAR ELCS is currently issued in four methods, as follows;

- a. SPEAR ELCS, Basic Kit
- b. SPEAR ELCS Accessory Kit, M203 Option
- c. SPEAR ELCS Accessory Kit, Navy Option
- d. By individual MCNs ordering individual components

Composition of the basic kit and accessory kits are as follows;

a. SPEAR ELCS, Basic Kit

1. Vest Panel (left & Right)	1 set
2. H Harness Assembly	1 set
3. Shoulder Pad Assembly	1 set
4. Belt with Buckle	1 ea.
5. Pouch, M-4 Ammo (3 Mag) w/Frag & Multi-Purpose Grenade, Right	1 ea.
6. Pouch, M-4 Ammo (3 Mag) w/Frag & Multi-Purpose Grenade, Left	1 ea.
7. Cover, Canteen, 1 Quart	2 ea.
8. Pouch, General Purpose	2 ea.
9. ALICE Adapter	2 ea.
10. Pouch, M-4 Ammo (2 Mag, 30 Rd)	3 ea.
11. Pouch, M-4 Ammo (1 Mag, 30 Rd)	3 ea.
12. Pouch, M-60/SAW, 100 Rd	2 ea.
13. Pouch, First Aid/Compass	2 ea.
14. Cover, Canteen, 2 Quart	2 ea.
15. Flotation Element Set (Left & Right)	1 set
16. Storage Organization Device	1 ea.

b. SPEAR ELCS Accessory Kit, M203 Option

1. Pouch, 40mm Illumination Round (Single)	4 ea.
2. Pouch, 40mm HE Round (Single)	4 ea.
3. Pouch, 40mm HE Round (Double)	2 ea.
4. Pouch, 40mm HE Round (Quad)	4 ea.



103. Components of ELCS (continued)

c. SPEAR ELCS Accessory Kit, Navy Option

1. Pouch, M-14 Ammo (3 Mag, 20 Rd)	2 ea.
2. Pouch, MP-5 Ammo (3 Mag, 30 Rd)	2 ea.
3. Pouch, M-60/SAW, 100 Rd	2 ea.

Optional Pouches, not assigned to kits, are available as follows;

1. Pouch, Grenade, Multipurpose
2. Pouch, M-4 Ammo (3 Mag, 30 Rd) w/Frag Grenade
3. Pouch, Shotgun Ammo 5 Rd
4. Pouch, Smoke Grenade
5. Pouch, M-249, 200 Rd
6. Pouch, 9mm, Single Mag
7. Pouch, Medical
8. Pouch, M4 Ammo (3 Mag, 30 Rd) w/ Frag Grenade and Strobe Light

104. Types

The SPEAR ELCS is available in three types as follows;

- a. Type I - Woodland Camouflage
- b. Type II - Day Desert Camouflage
- c. Type III - Black

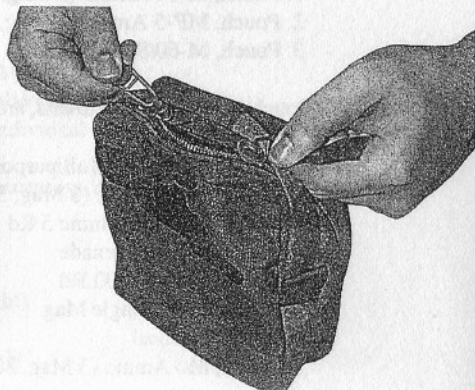


105. Pouch Closure Mechanisms

A number of different closure mechanisms have been utilized for individual pouch components through out the SPEAR ELCS design. These are depicted as follows;



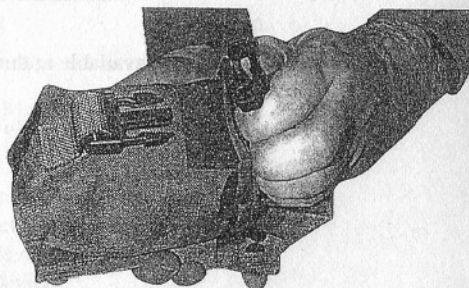
Snap Fastener(s)



Slide Fastener



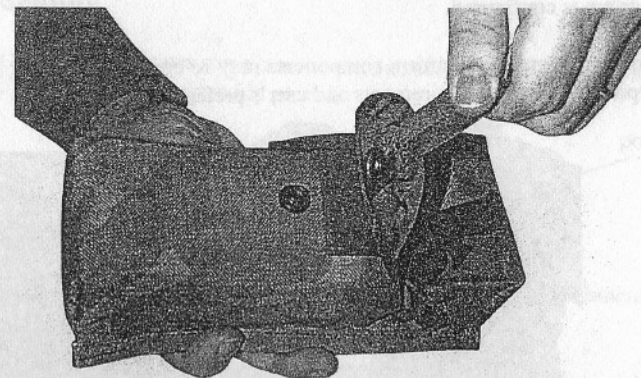
Hook and Loop Fastener



Side Release Buckle (Primary)
Hook and Loop Fastener (Secondary)



103. Pouch Closure Mechanisms (continued)



Snap Fastener (Primary)
Hook and Loop Fastener (Secondary)

In all cases, and no matter what type of closure mechanism is utilized it is imperative that the individual components of the closure mechanism (snaps, buckles, hook and loop, etc.) be clean and free from dirt, debris, snow, ice and other foreign materials which would hinder the proper use of the closure.



106. Assembly Configurations

The SPEAR ELCS is designed to provide a degree of customization relating to how the system is configured.

In basic terms the platform components may be configured in four ways dependant upon the mission requirements and user's preferences.



A - H-Harness Set,
left and right



B - Load Bearing Set,
left and right



C - H-Harness left,
Load Bearing Panel right

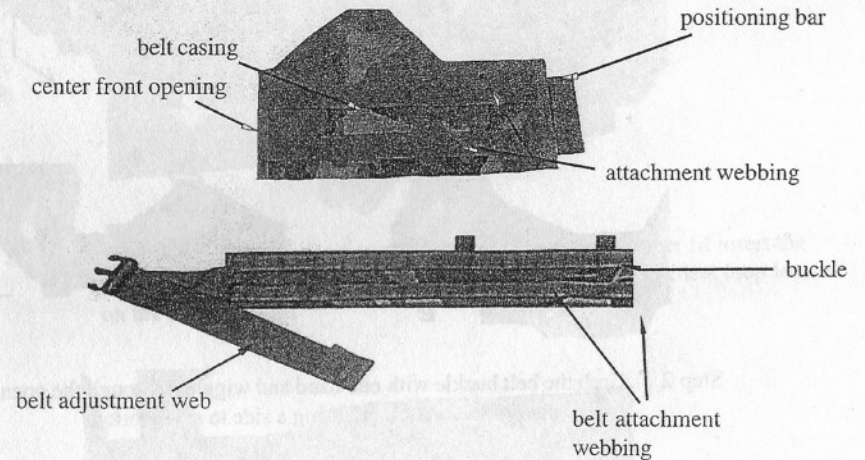


D - H-Harness right,
Load Bearing Panel left

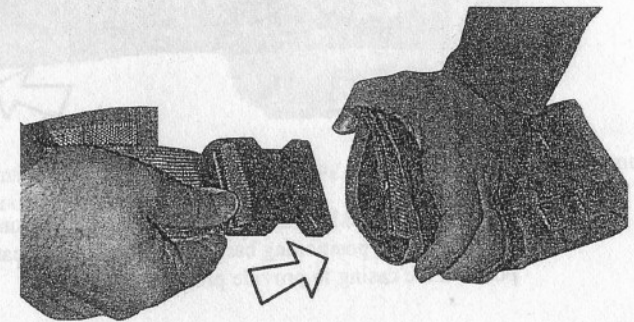


107. Attachment of a Front Platform Component to the Belt Assembly

The following indicates some common nomenclature of components of the SPEAR ELCS relating to this assembly process.



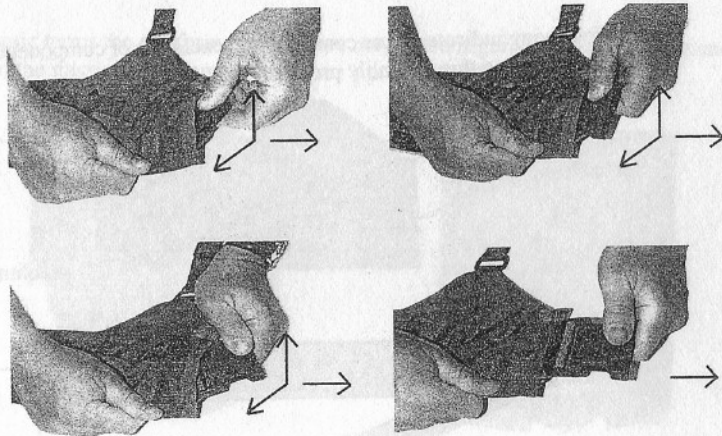
The following process should be followed when attaching any of the Front Platform Components (H-Harness or Load Carrying Panels) to the Belt Assembly. Only one half of one component has been shown. In other words the following 5 steps attach the Right H-Harness Panel only to the Belt. These steps would be repeated to attach the Left H-Harness Panel.



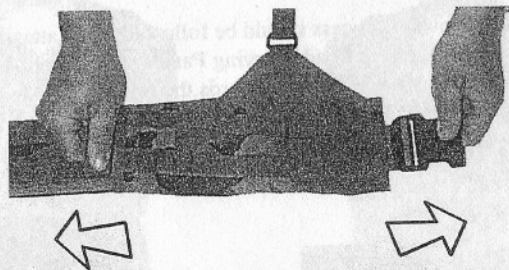
Step 1 Insert the belt buckle into the specific H-Harness or Load Carrying Platform Component desired. Push and slide the buckle through the belt casing starting at the end of the belt casing with the positioning bar.



107. Attachment of a Front Platform Component to the Belt Assembly (continued)



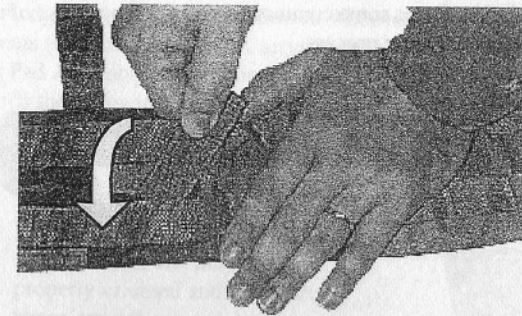
Step 2 Grab the belt buckle with one hand and wiggle it through the opening in the front center of the belt casing using a side to side motion.



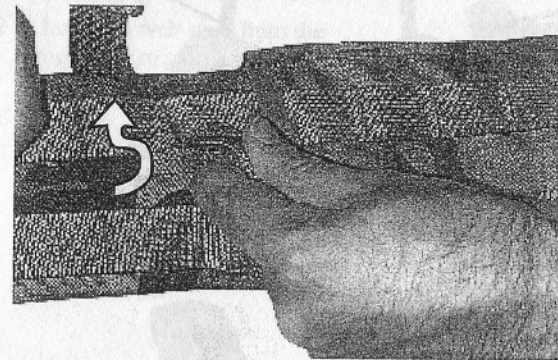
Step 3 Once the belt buckle is through the opening in the front center of the belt casing grab the positioning bar at the end of the belt casing and adjust to position the casing to provide proper fit.



107. Attachment of a Front Platform Component to the Belt Assembly (continued)



Step 4 With the belt casing positioned on the belt to provide proper fit insert the lower half of the positioning bar into the appropriate attachment loop located on the belt.

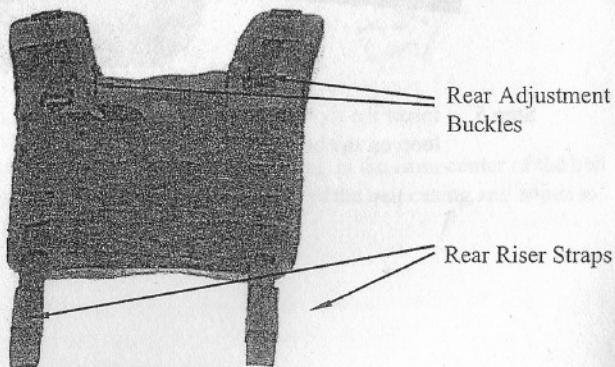
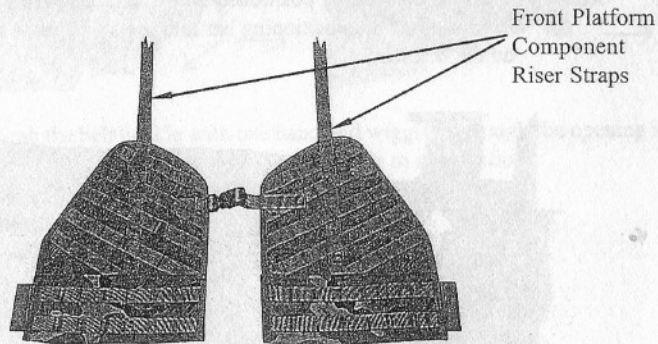
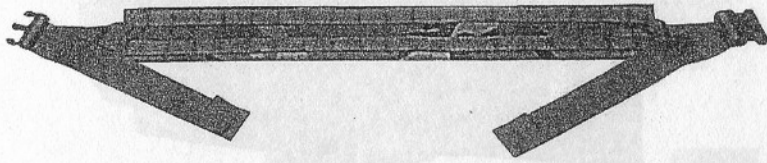


Step 5 Insert the top half of the positioning bar into the opposite attachment bar loop on the belt.



108. Attachment of the Shoulder Pad Assembly to the Platform Components

The following indicates some common names of components of the SPEAR ELCS relating to this assembly process.



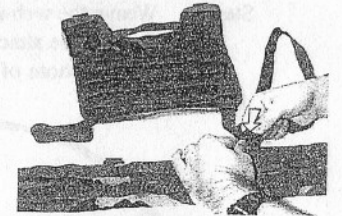
108. Attachment of the Shoulder Pad Assembly to the Platform Components (continued)

The following process should be followed when attaching any of the Front Platform Components (H-Harness or Load Carrying Panels) and the Belt Assembly to the Shoulder Pad Assembly. Attachment of only one component has been shown. In other words the following 8 steps attach the Belt Assembly only to the Shoulder Pad Assembly. Selective steps would be repeated to attach the Front Platform components to the Shoulder Pad Assembly.

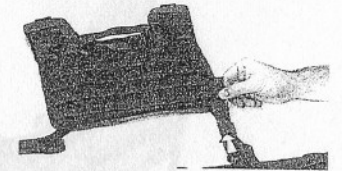
- Step 1 Layout the components to be attached such that they are properly oriented and to ensure straps are not crossed, turned or buckled.



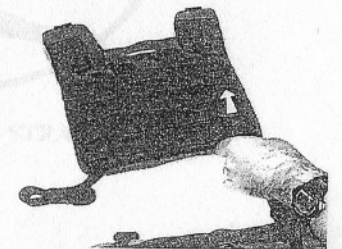
- Step 2 Insert the web strap from the right riser strap into the buckle on the belt from the inside to the outside.



- Step 3 Pass the web strap through the elastic keeper.



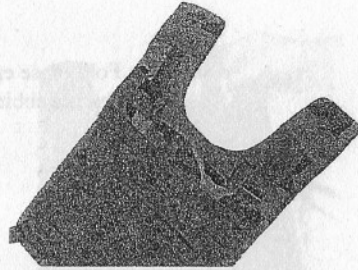
- Step 4 Weave the web strap through the attachment bars to the rear attachment buckle.





109. Removing Foam Component from Shoulder Pad Assembly

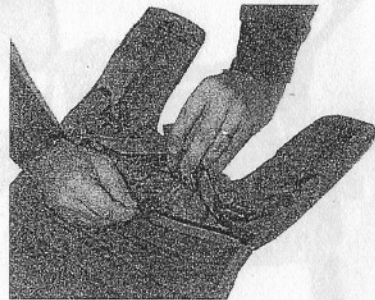
Step 1 Lay Shoulder Pad Assembly on flat surface such as a table.



Step 2 Open slide fastener across back just below rear buckles.

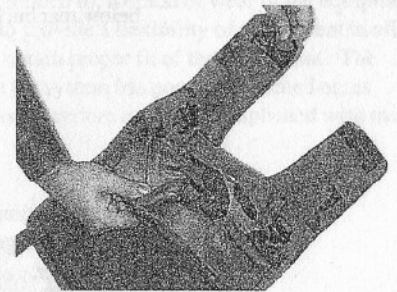


Step 3 Disengage hook and loop components.

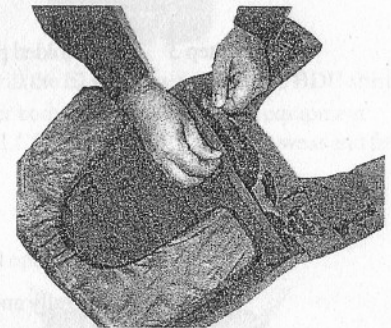


109. Removing Foam Component from Shoulder Pad Assembly (continued)

Step 4 Gently pull out the foam insert one side at a time.



Step 5 Close slide fastener.

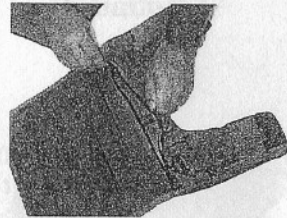


To insert foam component follow the above 5 steps but in reverse order.

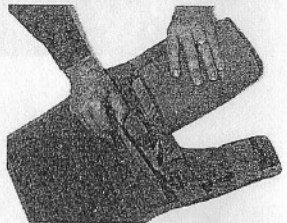


110. Inserting Flotation Element into Shoulder Pad Assembly

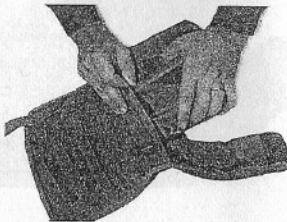
Step 1 Open slide fastener across back just below rear buckles.



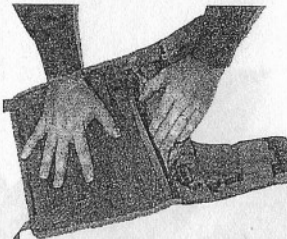
Step 2 Orient flotation element (small end at bottom, large end at top) and fold side to side.



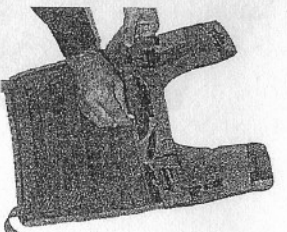
Step 3 Insert folded piece into lower pocket.



Step 4 Insert fully and work corners and edges flat.



Step 5 Close slide fastener.



To remove flotation component follow the above 5 steps but in reverse order.



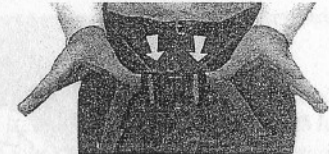
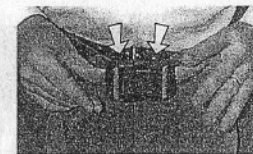
111. Methods of Adjustment to Allow Proper Fit

This modular approach to load carrying equipment has been provided such that maximum flexibility is offered to the user. This includes, but is not limited to, method of wear of the equipment. Offering a variety of methods of wear requires a system to provide a flexibility of adjustment in all dimensions. The following procedure should be used to obtain proper fit of the equipment. The following adjustment procedure may be conducted while the system has pouches attached or, as shown, with only the platform components attached. This procedure is best accomplished with the assistance of a buddy.

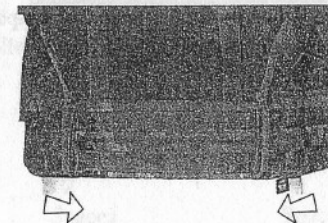


- Step 1 Determine method of wear. That is, will the ELCS be worn over the BDU shirt or other clothing or will it be worn over body armor? What other equipment will be required to interface with the ELCS and therefore will affect wear and fit?
- Step 2 Don all equipment identified in step 1.
- Step 3 Loosen all adjustments on the ELCS.

a. Loosen buckle on belt to full open position.



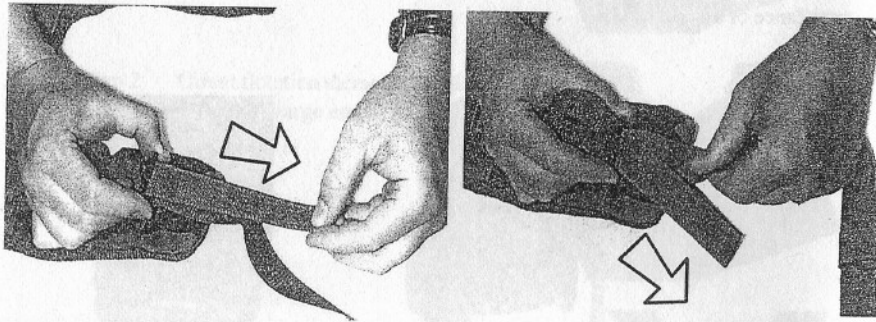
b. Remove position bar from attachment bars on belt and slide front platform components fully to rear to smallest position.





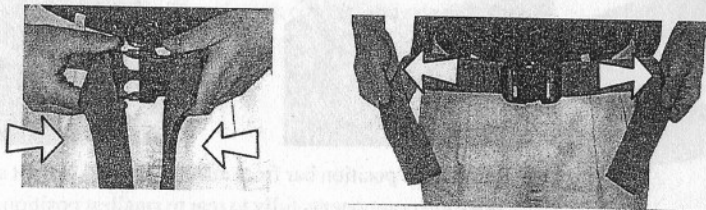
111. Methods of Adjustment to Allow Proper Fit (continued)

c. Loosen riser straps on both Front Platform Components (H-Harness or Load Carrying Panel) and rear of Belt from the Shoulder Pad Assembly. **DO NOT REMOVE** the straps. Simply loosen them such that the riser strap has six inches of the end of the webbing left from the buckle.



Step 4 Don the ELCS. Position the belt in the desired location dependant upon the method of wear.

Step 5 Adjust the belt to proper fit. This is accomplished by connecting the two halves of the buckle and tightening on the two web straps on the belt simultaneously until the desired tightness is achieved.

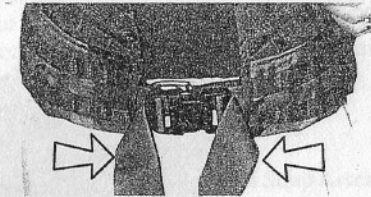


Step 6 Adjust the left and right Platform Components on the belt to provide proper fit. This is accomplished through the following steps.

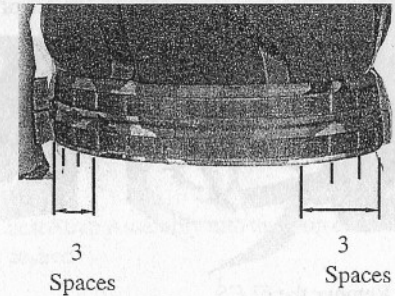


111. Methods of Adjustment to Allow Proper Fit (continued)

a. Begin by sliding the two Platform Components over the belt to the desired location.

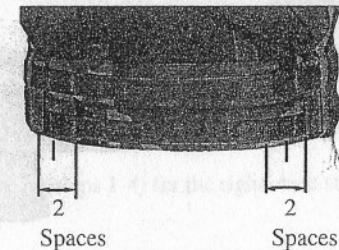


b. Once the approximate size has been determined count the attachment webbing loops exposed past the left and right belt risers to the position bar of the Platform Components.



c. In order to center the belt buckle these spaces should be equal. Add the total exposed loops on both the left and right sides and divide by two. Count the desired number of spaces on the left and right side of the belt risers and position the Platform Component.

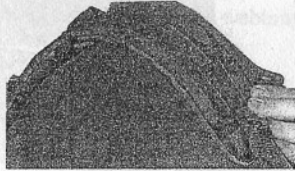
d. In order to provide a margin of adjustment for the belt locate the position bar one space less than calculated. That is; if the position bar should be 5 loops out then locate the position bar in the 4th loop. Follow the procedure described at Article 105 steps 4 and 5 to attach the position bar to the belt.



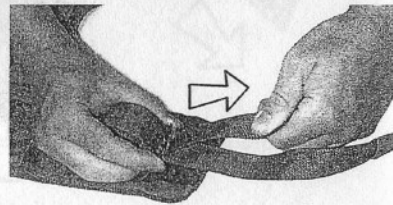
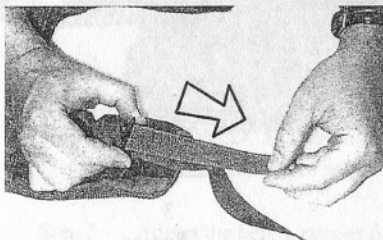


111. Methods of Adjustment to Allow Proper Fit (continued)

- Step 7 Position the Shoulder Pad Assembly in the desired location. This may require the assistance of a buddy.



- Step 8 Adjust the four riser straps to provide proper fit. This is accomplished by tightening the riser straps one at a time to the point where the strap is tight and no longer has slack. Repeat this process for the remaining three riser straps. This may require the assistance of a buddy.

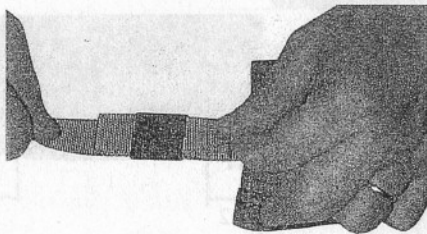


- Step 9 Remove the ELCS.

Step 10 Adjustment Strap Stowage

In order to provide the system with a clean, neat appearance and position excess webbing not required within the current adjustments the following procedures should be followed;

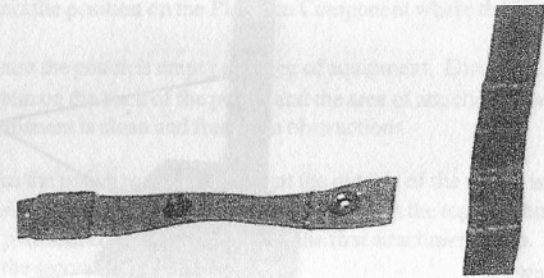
- Insert the loose ends of the belt webbing straps into the belt casings of the Front Platform Components and into the elastic keepers.
- Insert the loose ends of the four riser webbing straps into the elastic keepers.



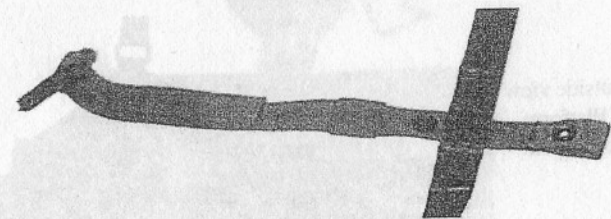
111. Methods of Adjustment to Allow Proper Fit (continued)

The chest strap on the H-Harness Front Platform Components is designed to be adjusted in height. This adjustment is designed to allow the chest strap to be positioned properly when worn next to the body or when worn over other items of equipment. The following process shall be used to adjust the position of the chest strap assembly.

- Step 1 Remove the left and right chest strap assemblies.
- Step 2 Determine the desired location of the Chest Strap Assembly.



- Step 3 Insert the left Chest Strap Assembly into the loop of the riser strap at the height position desired.



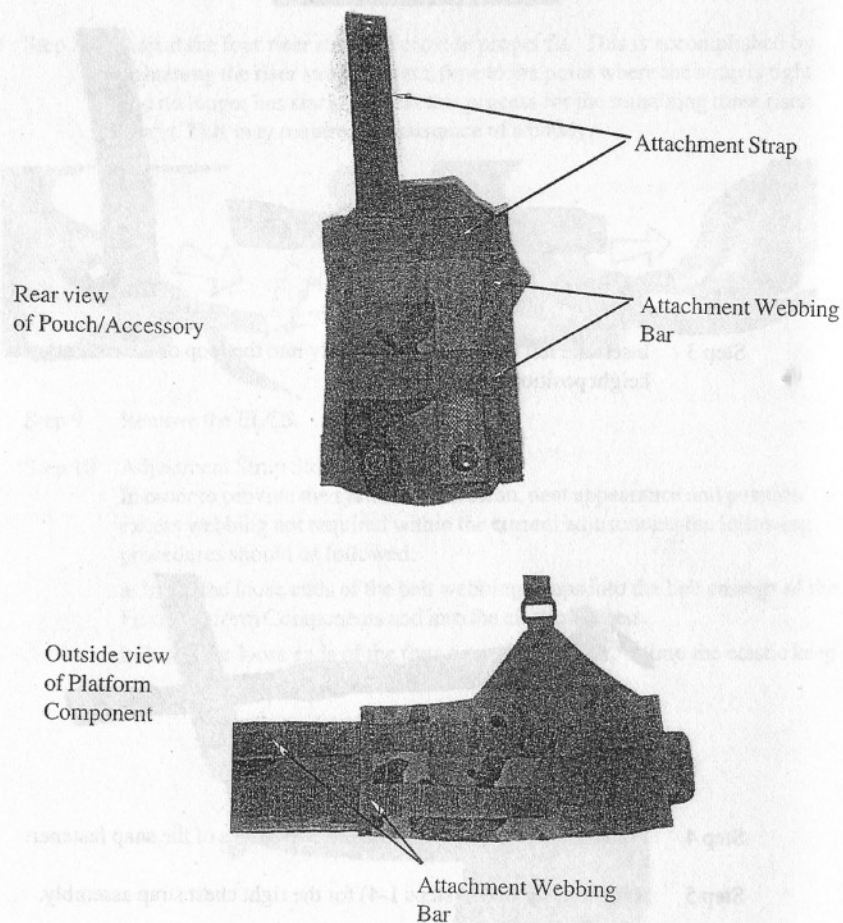
- Step 4 Fold the web strap and engage the two halves of the snap fastener.
- Step 5 Repeat this process (steps 1-4) for the right chest strap assembly.



112. Attachment of a Pouch Component to a Platform Component

Pouches and accessories attach to the SPEAR ELCS through one of two methods. The standard method is the SPEAR ELCS Pouch Attachment Ladder System (PALS). The second method is through the use of an adapter and allows the attachment of pouches and accessories utilizing attachment systems other than PALS. This section shall describe the attachment of pouches with PALS.

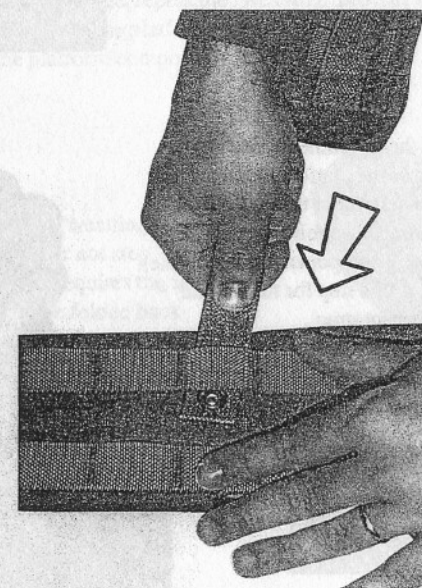
The following indicates common names of both the pouch accessory and platform component used within this text.



110. Attachment of a Pouch Component to a Platform Component (continued)

The following procedure should be followed when attaching a pouch or accessory using the Pouch Attachment Ladder System (PALS). For clarity purposes only one attachment strap is being shown as being attached in this process. Where more than one attachment strap exists on a pouch it is imperative that both attachment straps be advanced through the process on a step by step basis. **DO NOT FULLY ATTACH ONE ATTACHMENT STRAP AND THEN RETURN TO ATTACH THE SECOND STRAP.**

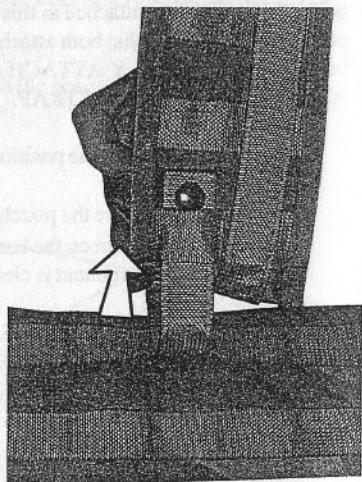
- Step 1 Select the position on the Platform Component where the pouch is to be located.
- Step 2 Ensure the pouch is empty and free of equipment. Ensure the attachment system on the back of the pouch and the area of attachment on the platform component is clean and free from obstructions.
- Step 3 Place the pouch reversed such that the outside of the pouch is facing the outside of the platform component. Start with the top attachment webbing of the platform component and insert the first attachment strap. Repeat this step for the second attachment strap.



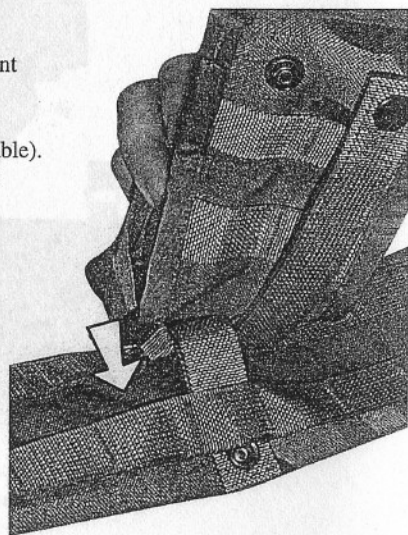


112. Attachment of a Pouch Component to a Platform Component (continued)

- Step 4 Fold the attachment strap back 180 degrees and insert the strap through the first attachment webbing of the pouch. Repeat this step for the second attachment strap.

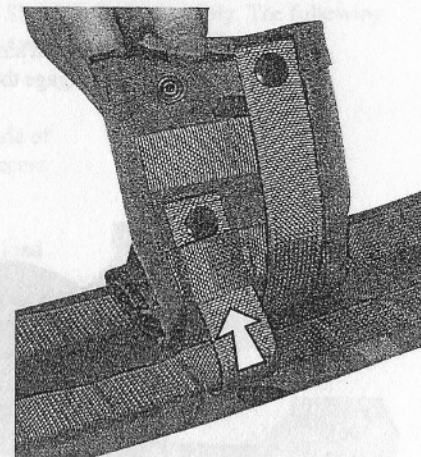


- Step 5 Fold the attachment strap back towards the platform component and insert it into the second attachment webbing on the platform component (if applicable). Repeat this step for the second attachment strap.



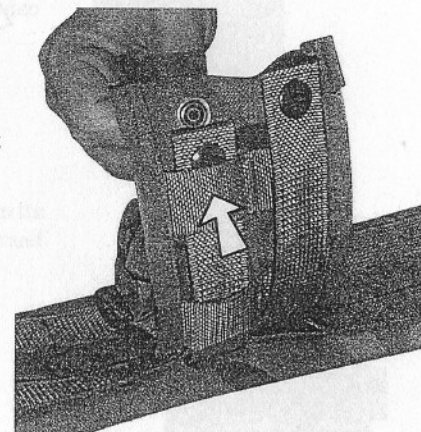
112. Attachment of a Pouch Component to a Platform Component (continued)

- Step 6 Fold the attachment strap back towards the pouch and insert it into the second attachment bar on the pouch (if applicable). Repeat this step for the second attachment strap.



- Step 7 When applicable, repeat the “weaving” process by folding the attachment strap back towards the platform component and insert it into the third attachment bar on the platform component. Repeat this step for the second attachment strap.

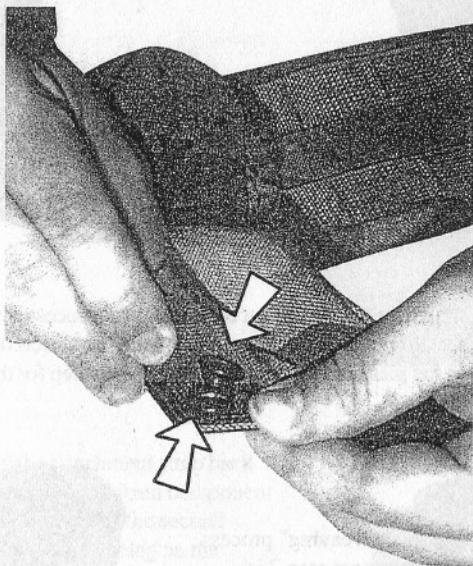
- Step 8 The final “weaving” process, whether or not step 7 is required, requires the attachment strap to be folded back towards the platform component. The attachment strap is then inserted into the last attachment bar on the pouch. Repeat this step for the second attachment strap.





112. Attachment of a Pouch Component to a Platform Component (continued)

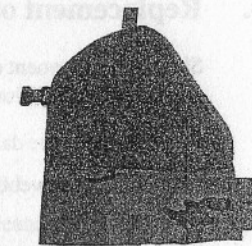
- Step 9 Pull the attachment strap tight to align the two components of the snap fastener and engage the snap. Repeat this step for the second attachment strap.



113. Insertion of Flotation Elements

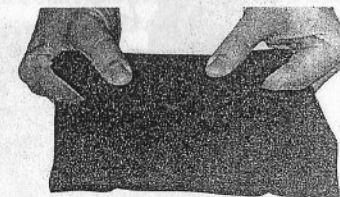
Flotation elements have been designed to fit into pockets built into the Load Bearing Panel Components as well as the lower rear of the Shoulder Pad Assembly. The following procedure should be followed when these flotation elements are to be worn.

- Step 1 Open the slide fastener on the inside of one load bearing panel allowing access to the pocket.



- Step 2 Align the flotation element on the load bearing panel.

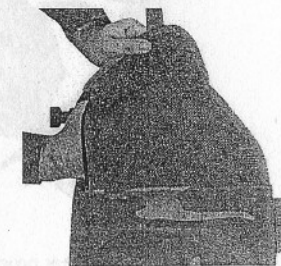
- Step 3 Fold the flotation element to ease insertion into the pocket.



- Step 4 Insert the folded flotation element into the pocket.



- Step 5 Unfold the flotation element within the pocket and work the element fully and flatly in the pocket.





113. Insertion of Flotation Elements (continued)

Step 6 Close the slide fastener on the load bearing panel.

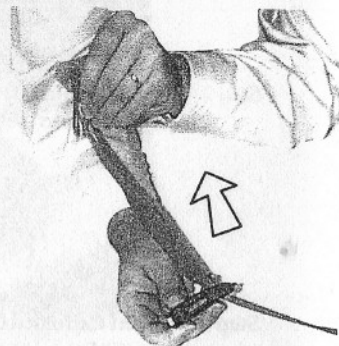
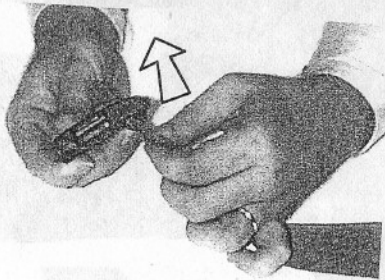
Step 7 Repeat steps 1-6 for the opposite load bearing panel.

114. Replacement of Buckle on Belt

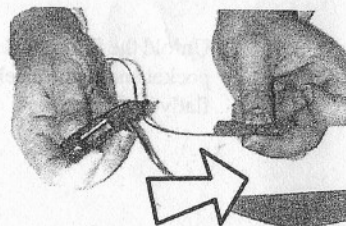
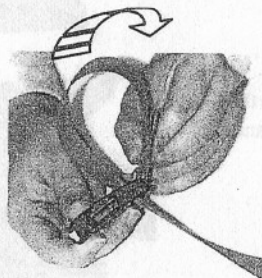
Should a component of the buckle on the waist belt become damaged or lost and need replacement the following procedure should be followed;

Step 1 Remove damaged buckle or components, if applicable.

Step 2 Insert webbing into rear opening of new buckle component from bottom of buckle.



Step 3 Fold webbing 180 degrees and insert it into front opening of new buckle component.



Step 4 Repeat process for opposite side of buckle, if applicable.



115. Care and Maintenance

The SPEAR ELCS is designed to withstand years of use given proper care and maintenance.

The following five topics are covered within the Care and Maintenance article;

- a. Cleaning
- b. Periodic Inspections
- c. Repairs
- d. Replacement
- e. Storage

A. Cleaning

The following procedures should be followed when cleaning the SPEAR ELCS;

- a. Remove dirt, debris, snow, ice, thorns, burrs and other obstructions from the fastening mechanisms of both the pouch closures and the Pouch Attachment Ladder System.
- b. Hand wash only.
- c. Scrape dirt/dust from item using a brush that will not cut into fabric.
- d. Hose or wash item in a pail of water using mild detergent or soap.
- e. Rinse thoroughly with clean water.
- f. DO NOT USE CHLORINE BLEACH, YELLOW SOAP, CLEANING FLUIDS OR SOLVENTS WILL DISCOLOR/DETERIORATE THE ITEM.
- g. Dry item in shade or indoors.
- h. DO NOT DRY IN DIRECT SUNLIGHT, DIRECT HEAT OR OPEN FLAME.
- i. DO NOT LAUNDRER OR DRY ITEM IN FIXED/COMMERCIAL HOME TYPE LAUNDRY EQUIPMENT.



115. Care and Maintenance (continued)

B. Periodic Inspections

Load carrying systems, like any piece of critical equipment should be subjected to periodic inspections by the end-user.

a. Post Wear Inspection-Upon conclusion of operational or training use and prior to the system being stowed a visual inspection of the surfaces should be conducted. This quick, 30 second, inspection should observe for any damage such as;

- tears or rips
- holes
- damaged fastening devices (snaps, buckles, slide fasteners, hook and loop fasteners)
- missing components (pouches, etc.)
- excessive dirt
- presence of ice, snow, water or contaminants
- disengaged Pouch Attachment components

b. Scheduled Inspection-Inspections of a more involved nature should be scheduled on a routine basis to monitor wear and damage to all components of the system. The scheduling of these inspections should be based upon the frequency of use in both the training and operational environments. These inspections may also allow for routine cleaning of the components of the system (follow suggested cleaning instructions). The recommended parameters for this inspection includes;

- remove all equipment from the vest which is not part of the vest system
- lay the vest system on a clean, flat area such as a table
- inspect each component (belt, shoulder pad assembly, pouches, etc.) within the following parameters;
 - tears, openings or damage to the fabric components
 - damage, excessive wear or dirt - hook and loop fasteners
 - damage, excessive wear or dirt - snap fasteners components
 - damage, excessive wear or dirt - buckles components
 - damage, excessive wear or dirt - slide fasteners components
 - damage, wear, fraying or cuts to all webbing components
 - damage, wear, fraying or cuts to all elastic components
 - damage to stitches and seams



115. Care and Maintenance (continued)

C. Repairs

Repairs may be made to components of this system when required and are classified into two categories;

- a. Organizational
- b. Depot

Organizational repairs include sewing of minor (less than 1 inch long) rips, tears, or other damage. Field expedient repair or patching of damaging areas using adhesive tape should be permanently repaired at the earliest opportunity. The depot will complete repairs requiring more than minor sewing or repairs listed below. Organizations will forward damaged items to the depot located at:

Special Operations Forces Support Activity (SOFA)
SPO Bldg. 221
5749 Briar Hill Road
Lexington, KY 40511

Phone: DSN 745-3191 Ext. 4169
Com (606) 293-3191 Ext. 4169

Depot repairs include:

- a. Replacement of snap fasteners.
- b. Replacement of sewn buckles.
- c. Replacement or repair of webbing, elastics, hook or loop fasteners or fabric components.
- d. Repair of seams and stitching.
- e. Permanent repair of previously completed field expedient repairs.

D. Replacement

Replace components on an individual, case by case basis, based upon damage or excessive wear found during use or periodic inspections.

Replace components which are no longer usable and are unable to be properly repaired to return them to full intended operation.



115. Care and Maintenance (continued)

E. Storage

Individual equipment, such as a load carrying equipment should be properly stored when not in operational use. Vests should be stored flat in individual bags or storage devices designed to separate the vest from other vests or equipment and reduce the effects of damage during storage. Vests stored together with other vests or not separated from other similar equipment are prone to damage caused by;

- a. hook and loop fasteners unintentionally engaging
- b. tearing of fabric caused by sharp edges on metal equipment
- c. components of the system becoming entangled with other components
- d. coatings or surfaces of fasteners becoming damaged by abrasion with other equipment

A Storage Organization Device has been provided with each SPEAR ELC System. The device is designed to provide one location for the storage of the ELCS and all its components when not worn. This includes the storage of individual pouches and accessories being utilized on the currently worn ELCS configuration. The storage device has been designed such that its size increases or decreases dependant upon its contents and will fit into the SPEAR backpack.

116. Warranty Information

1. Safariland Ltd., Inc. extends the following Limited Warranty to the original purchaser (Government of The United States of America) of Safariland Ltd., Inc. products provided under contract USZA22-98-D-0008.
2. This warranty is in place of all warranties, expressed or implied and excludes incidental or consequential damages from the SPEAR Equipment Load Carry System product or products.
3. Safariland Ltd., Inc. warrants each individual component of SPEAR Equipment Load Carrying System products to be free from defects in workmanship and materials for a period of twenty-four (24) months from the date of manufacture.
4. This warranty is forthwith terminated should an individual component of SPEAR Equipment Load Carrying System products be abused or otherwise utilized in a manner considered outside of the normal course of activities for which the product was designed. Further, this warranty is forthwith terminated should an individual component of SPEAR Equipment Load Carrying System products be abused through improper care and maintenance as set forth within the care and maintenance documentation provided with this system.



116. Warranty Information (continued)

WARRANTY PROCEDURES

1. An ELCS Subsystem item of equipment that has become unserviceable, during the warranty period, as a result of a buckle, snap, slide fastener, cracked or broken upgrade plate, or some other material failure will be forwarded to SOFSA.
2. ELCS Subsystem items of equipment that have become unserviceable by other than fair wear and tear (i.e. tears or rips) or have exceeded the warranty period as stated in paragraph 3 above, may be forwarded for repair or replacement by SOFSA. The unit is responsible for the cost of repair.
3. When shipping to SOFSA, the item must be accompanied by a completed work request form (i.e. DA Form 2407 Work Request or similar component work request form). The minimum information required is:
 - 1) Unit designation
 - 2) Unit Point of Contact (POC)
 - 3) Unit shipping address
 - 4) Telephone number of POC
 - 5) Nomenclature of BALCS item
 - 6) Description of component failure or damage
4. It is recommended that the unit call with questions or to alert SOFSA of an impending shipment. The following address will be used to return items:

SOFSA Joint Operational Stock
SPO Bldg. 221
5749 Briar Hill Road
Lexington, KY 40511

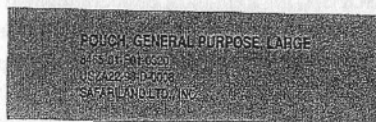
Phone: DSN 745-3191 Ext. 4169
Com (606)293-3191 Ext. 4169



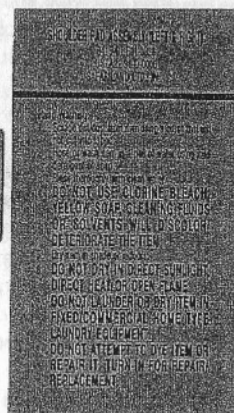
117. Product Identification

Each item within the SPEAR ELCS has been identified with a label. The platform components are labeled to not only identify the individual items but also provide cleaning instructions. The pouches and accessories are labeled to provide product identification information and do not include cleaning instructions.

Each item also includes a warranty dating label which incorporates a manufacturing period for the specific item. This label is located on one side of the identification label and is white in color.



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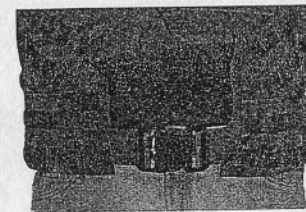
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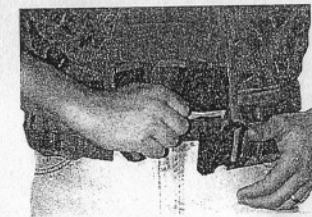
118. ELCS Integration With Other Equipment

The SPEAR ELCS has been designed to be capable of integration with other SPEAR equipment such as body armor and backpack systems. The ELCS may be worn next to the body (over clothing such as BDU's) or over equipment such as body armor.

The SPEAR Body Armor System is designed with a plate jettison system which allows rapid removal of hard armor upgrade plates. When the ELCS is worn over the Body Armor System and the ELCS waist belt is worn below the body armor it is imperative to disengage the waist belt buckle prior to plate jettison. Failure to disengage the waist belt buckle will result in the plate not jettisoning from the body armor vest.



Buckle of Waist Belt preventing Upgrade Plate from properly jettisoning from SPEAR Body Armor



Disengagement of the waist belt buckle provides a clear ejection path for the jettisoning of the Upgrade Plate.

119. Rigging Procedures

Please refer to the following publications for rigging procedures for airborne operations;

- FM 57-220 Static Line Parachuting
- FM 31-19 Military Freefall Parachuting