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Half Back Extrication/Lift Harness

USER INSTRUCTION MANUAL

Description

The LSP Half Back is a versatile, lightweight and durable short body immobilization board designed for suspected cervical/spinal injuries during confined space extrication (such as auto, storage tank, ships, etc.) The Half Back comes complete with a full head harness and an optional helmet harness for helmeted victims, both of which are compatible for use with the Miller Full Body Splint/Litter.

Six strategically located handles allow for easy maneuverability of the victim. Also, the quick release velcro™ storage pockets neatly house all straps until needed during rescue.

The Half Back features an aluminum back-stay anatomically designed for the cervical portion of the spinal column. This unique design eliminates the need for any roll or extra padding to support the victim's head, and it will not interfere with cervical x-rays.

The optional Vertical Lift Strap Assembly allows the Half Back to be used in two distinctly different ways. First, with the aluminum back-stay in place, the Half Back will vertically lift a suspected cervical/spinal injury victim during confined space extrication. (Vertical lifting of this type of victim is not recommended unless no other means are evident.) Secondly, the Half Back can be quickly converted into a vertical lift/extrication/rescue harness simply by removing the aluminum back-stay. This unique feature allows the Half Back to be used as a safety harness for rescue personnel as well as a vertical lift harness for the victim when cervical/spinal injuries are not suspected.

The interior of the Half Back is a non-absorbent, closed-cell foam. The outer covering consists of a tough, stain-resistant, washable junior ballistic nylon which provides protection and comfort to the victim and rescue person.



Specifications

COLOR: High visibility yellow

WEIGHT:

Vest—7.5 lbs.

Back-Stay and Head Harness—3.5 lbs.

SIZE:

Open—34" long x 36" wide

Closed—34" long x 12" wide and 7" thick

JACKET: 2-ply, water repellent junior ballistic nylon; minimum tensile strength of 715 lbs. for each ply

FOAM: 1/2" thick 2# non-absorbent closed-cell polyethylene foam

BACK-STAY: 5" wide x 33 1/2" long x 3/16" thick, 5052-H32 anodized aluminum alloy

STRAPS: 2" wide, black nylon webbing with a minimum 6,000 lbs. tensile strength

BUCKLES: Forged alloy steel with a proof load of 2,500 lbs.

VELCRO: 3/4" and 2" black hook and loop; meets military specs

CLEANING: 100% washable

QUALIFIED TO:

ANSI A10, 14-1975

MIL-STD-45662

MIL-I-45208A

(Free fall drop test and 50 hr. salt spray test)

Limited One (1) Year Warranty

LSP warrants this product to be free from defects in material and workmanship for a period of one (1) year from the date of manufacture. This Warranty is expressly conditioned on compliance with all inspection and preventative maintenance requirements as set by applicable government agencies and as specified by LSP.

This Warranty is extended by LSP only the first purchaser of the product from either LSP or from an authorized LSP distributor.

LSP'S OBLIGATIONS AND PURCHASER'S REMEDIES UNDER THIS WARRANTY ARE LIMITED AS FOLLOWS: In the event of a defect, malfunction or failure to conform to this Warranty, purchaser shall return this product to LSP, with shipping charges prepaid, within a reasonable time after discovery of such defect, malfunction or failure to conform. LSP shall repair or replace (at LSP's option) this product if it is defective, malfunctions or fails to conform to this Warranty, and shall return it to purchaser with shipping charges prepaid and without any additional charges due to costs of repair or replacement.

In the event the product returned by purchaser is not defective, has not malfunctioned and does conform to this Warranty, LSP shall not be obligated to repair or replace the product and shall not be obligated for shipping charges for return of the product to the purchaser.

LSP shall in no event be liable for any consequential damages, nor for loss, damages or expenses directly or indirectly arising from the use of this product.

Disclaimer of Other Warranties

THIS WARRANTY IS IN PLACE AND IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A SPECIFIC PURPOSE, BY OPERATION OF LAW OR OTHERWISE.

This Warranty does not apply to malfunction or damage resulting from accident, alteration, misuse, abuse of the product, improper preventative maintenance, storage at extreme temperatures or extreme environments beyond design limits, or, where appropriate, improper use of the product by untrained persons. This Warranty does not apply to any plastic or rubber components since they can be affected adversely by undue exposures to heat, sun, water, ozone, or to other deteriorative elements.

LSP has not authorized any other firm or person to make any representations concerning this product nor to assume on LSP's behalf any liability in any way connected with the sale or use of this product.

This Warranty becomes void immediately should any repairs of, or alterations to this warranted product be made without authorization by LSP.



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Allied
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1.0 Preparation of the Victim for Extrication Prior to Half Back Application

- 1.1 Apply a cervical collar first.
- 1.2 Administer first aid to deal with cuts, abrasions, etc., about the face, neck and shoulders.
- 1.3 Remove eyeglasses from victim and any articles from the victim's shirt pockets.



Figure 1.1

2.0 Preparing the Half Back for Extrication Use

- 2.1 Open the Half Back vest. Be sure the back-stay is secured with the velcro™ straps on the back of the Half Back.
- 2.2 Remove the velcro™-attached head harness from the back-stay. Do not remove any straps from their pockets at this time. (Figure 2.1)

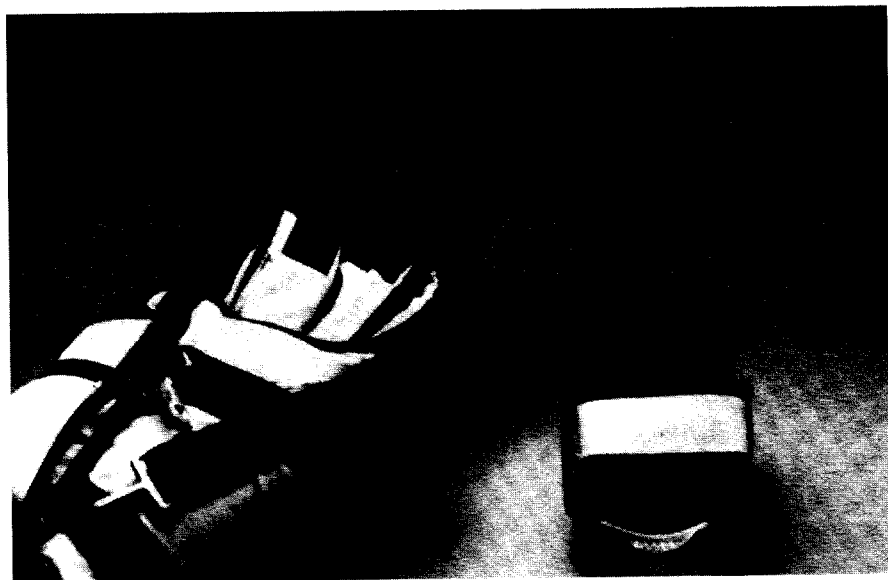


Figure 2.1

3.0 Positioning the Half Back on the Victim



Figure 3.1

- 3.1 Gently place the Half Back behind the victim with straps to the outside.
- 3.2 Position the sides under the victim's arms. (Figure 3.1, arrow)
- 3.3 Release the padded leg straps to expose the torso strap pockets on the victim's right side.

4.0 Connecting the Shoulder and Torso Straps

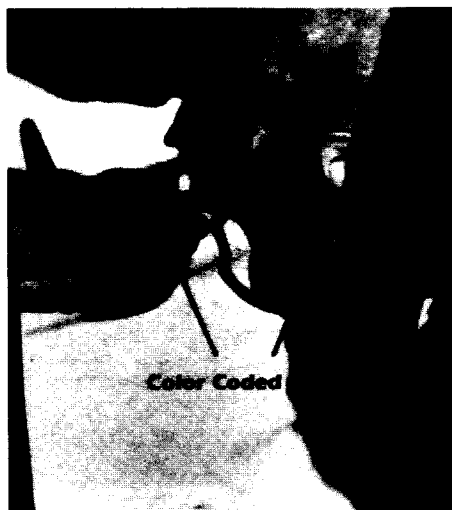


Figure 4.1



Figure 4.2

- 4.1 Open the two torso strap pockets.
- 4.2 Connect each color coded buckle to the matching snap on the opposite side of the victim's chest, leaving the straps loose. (Figure 4.1)
- 4.3 Repeat Steps 4.1 and 4.2 for each shoulder strap. (Figure 4.2)