



# OWNER'S MANUAL

## LIFE PRESERVER SURVIVAL VEST

### #485 (Manual)

#### **WARNINGS & CAUTIONS**

The Life Preserver Survival Vest should not be worn by anyone under 110 lbs. or under 14 years of age.

If orally inflated, DO NOT ACTIVATE THE CO2 CYLINDER. Prior oral inflation will lead to excessive pressure, which may burst the flotation cell. Only use a 33-gram CO2 cylinder.

When replacing the CO2 cylinder, ensure that the inflator lever is in the armed position (up). Failure to do so may cause the life preserver to INFLATE immediately or not to inflate when lever is pulled.

The Life Preserver Survival Vest must be visually inspected prior to use, and functionally tested per inspection procedures.

Should the Life Preserver Survival Vest be immersed in either salt or chlorinated water, the vest MUST BE FRESH WATER WASHED. Failure to fresh water wash the vest may cause corrosion to the CO2 cylinder, firing arm, and firing pin, as well as damage to the fabric coatings.

DO NOT inflate the Life Preserver Survival Vest prior to jumping into the water, if you are more than three to four feet above the water. NEVER DIVE HEAD FIRST WITH THE VEST INFLATED. This could cause severe personal injuries and damage the life vest.

DO NOT inflate the Life Preserver Survival Vest below deck in a boat or ship as you may be trapped under water in a cabin, which has been flooded.

#### **DESCRIPTION**

The Life Preserver Survival Vest #485-M is a compact, light weight, and comfortable to wear, manually activated CO2 inflatable life vest designed to provide flotation characteristics normally found in large, bulky, rigid-type life preservers. It produces a positive righting moment (face up) with 35 lbs. of buoyancy. The flotation cell is an encased design. The manual inflator will activate the CO2 bottle after being pulled. The cell is simply repack by deflating, folding under, and snapping in place. The vest is equipped with two (2) equipment pockets (6" x 5" x 1-7/8") for survival equipment or other small items and a strap for attachment of a survival knife (LSC #358). The pockets are positioned to produce the least amount of interference and to distribute the weight properly. A buddy line with a toggle is located beneath the left side of the flotation cell. The vest is bright orange with USCG markings, has a pile tape patch for strobe light placement, webbing for attachment of an PML, D-ring for attachment of a tether, and has retro-reflective tape on the shoulders for detection by rescue personnel.

#### **NOTE**

For part & indication identification, refer to the illustrations on Page two.

#### **USING YOUR VEST**

To don the Life Preserver Survival Vest, simply put the vest on the same way you would a coat. Close the front buckle, then zip up the front zipper of the vest. Adjust the waist belt to fit snugly by pulling the two side straps to the rear. Tuck the excess belt under the vest. Operating instructions are located on the left lobe inside panel. Should you have any questions concerning the use of your vest please do not hesitate to call LSC.

Lift the fabric cover, unscrew the CO2 cylinder (#1) and check to ensure that it has not been punctured. Replace cylinder into the inflator housing.

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The primary means to inflate the life vest is manually, using the beaded inflation lanyard (#3). To inflate manually, jerk the beaded lanyard (located on your left side) down and the cell will inflate. Should the vest not inflate either manually the wearer should inflate the vest using the oral inflation tube. To orally inflate the vest, simply unsnap the vest, pull the oral inflation tube out located on your right lobe, take the dust cover off, and blow into the tube until the vest is firm.

After inflation of the vest in the water, avoid body movement or wasteful expenditures of energy as much as possible and remain calm. Should the inflatable cell lose some buoyancy, remove the cap on the oral inflation tube and blow into it. Replace the cap on the oral inflation tube after you have topped-off the cell..

#### **INSPECTION**

While LSC has designed and manufactured the inflatable to be as reliable as possible, periodic testing and inspection are necessary to ensure functional reliability. The frequency of the inspection should be determined by the frequency and condition of use. However, prior to each use a visual inspection should be conducted. Additionally, a leak inspection of the vest should not exceed six (6) months.

#### **VISUAL INSPECTION**

(Performed prior to each use)

Open the CO2 cover and ensure that the inflator lever (2) is in the full up, armed position, and the safety pin (4) is installed. Remove the CO2 cylinder (#1) and check the bottom for pin punctures in the seal of the cylinder. Discard the CO2 cylinder if punctured and install new cylinder fully into the inflator housing. Ensure the beaded inflation lanyard is snapped to the vest. Close outside cover.

Inspect the entire vest, fabric, webbing, hardware and other components for damage.

#### **LEAK INSPECTION (Performed Semiannually)**

1. Remove CO2 cylinder from inflator. Inflate the bladder through the oral tube with a low-pressure air source (2 psi max.) or by oral inflation. CAUTION: DO NOT OVER INFLATE. Damage to the bladder will result from overpressure. After four (4) hours, recheck the bladder for pressure. If the bladder has lost pressure, re-inflate and locate source of leak. Repair problem or replace the bladder if required. Recheck. Deflate the bladder.
2. After deflation, reinstall charged CO2 cylinder (#1) using the steps contained in this manual. Close the CO2 cover and refold the bladder. Complete step listed in Visual inspection.

#### **FUNCTIONAL & LEAK INSPECTION (Performed Annually)**

1. Pull beaded lanyard to inflate the bladder. Both sides of the bladder should fully deploy. Deflate the cell by depressing the top of the oral tube dust cover into the oral tube. Place inflation lanyard (#3) is in the full-up (armed) position and insert a new safety pin.
2. Complete steps 1 & 2 in Leak Inspection above.

#### **FACTORY SUPPORT**

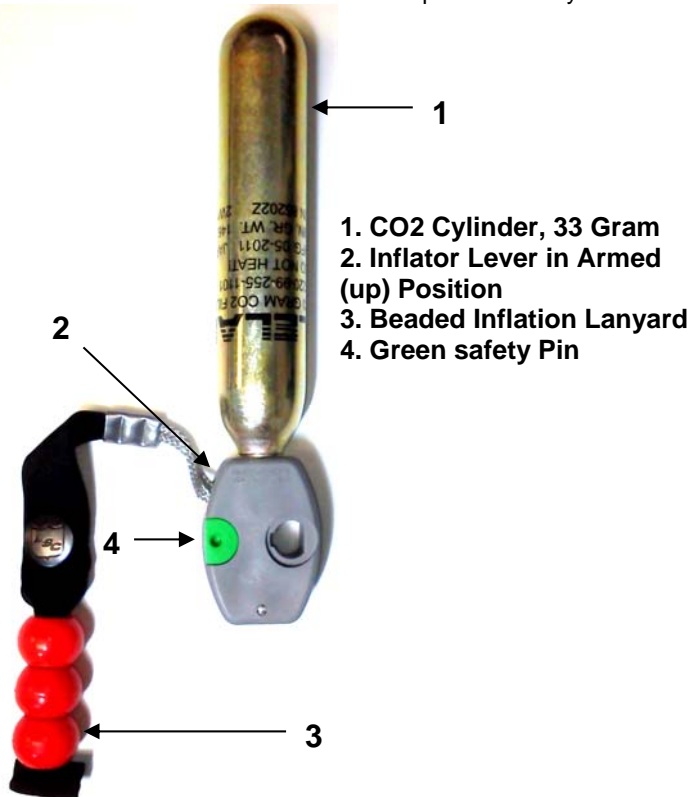
Contact LSC for inspections and services, LSC will inspect and test your inflatable vest, LSC service #000-IS33.

#### REPLACEMENT PARTS

#485-ML	MANUAL INFLATOR KIT	#HI015	PIN, SAFETY, GREEN
#484	CO2 CYLINDER, 33 GRAMS	#HI017	PIN, SFETY, GREEN
#358	RESCUE & SURVIVAL KNIFE		

#### WARRANTY

LSC products are warranted to the first consumer purchaser to be free from defects in material or workmanship for a period of twelve (12) months. Please contact LSC for our complete Warranty information and Policies, or visit our website.



### LIFESAVING SYSTEMS CORP.

220 ELSBERRY RD.  
APOLLO BEACH, FL 33572  
PHONE: 813/645-2748  
FAX: 813/645-2768  
[www.lifesavingsystems.com](http://www.lifesavingsystems.com)