



OWNER'S MANUAL

USCG PRO LITE VEST

#481-CG (Automatic)

WARNINGS & CAUTIONS

- The PRO LITE Vest should not be worn by anyone under 110 lbs. or under 14 years of age.
- Designed for use by the U.S. Coast Guard Only. Vest fitted with 17 GRAM CO2 cylinder for partial inflation of bladder in the event of vessel capsize. Must be orally inflated following CO2 activation.
- When replacing the CO2 cylinder, do so in accordance with instructions on the following page of this document.
- The PRO LITE Vest must be visually inspected prior to use, and functionally tested per inspection procedures.
- Should the PRO LITE 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 PRO LITE 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 PRO LITE Vest below deck in a boat or ship as you may be trapped under water in a cabin, which has been flooded.

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. However, prior to each use a visual inspection should be conducted. Additionally, a leak inspection of the vest should not exceed six (6) months. The bobbin in the inflation assembly should be replaced every 2 years in commercial use.

VISUAL INSPECTION (Performed prior to each use)

Open the CO2 cover and ensure that the service indicator is GREEN, If RED, do not use vest until servicing the inflation assembly in accordance with instructions on the following page of this document.

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

USING YOUR VEST

To don the PRO LITE VEST, simply put the vest on the same way you would a coat. Close the front buckle and adjust the waist belt to fit snugly by pulling the two side straps to the rear. Tuck the excess belt under the waist belt. Operating instructions are located on the back cover of the left side.

The primary means to inflate the life vest is manually, using the beaded inflation lanyard. To inflate manually, jerk the beaded lanyard (located on your left side) down and the cell will inflate. The automatic backup inflator is a backup device, which should inflate the vest. The automatic backup inflator will activate the CO2 bottle after approximately 2 seconds of immersion. Should the vest not inflate either manually or automatically, the wearer should inflate the vest using the oral inflation tube. To orally inflate the vest, simply open the cover of 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, top off through the oral inflation tube. Replace the cap on the oral inflation tube after you have topped-off the cell.

The automatic backup inflator will inflate the cell whenever exposed to water. Should the vest inadvertently inflate due to heavy rain or sea states, deflate the cell by depressing the top of the oral tube dust cover into the oral tube. Replace and service the inflation assembly in accordance with the instructions on the following page of this document.

LEAK INSPECTION (Performed Semiannually)

1. 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 two (2) hours, recheck the bladder for pressure. If the bladder has lost pressure, re-inflate and locate source of leak. Repair problem or remove vest from service. Deflate the vest.

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. Service inflation assembly so in accordance with instructions on the following page of this document.
2. Complete Leak Inspection above.

REPLACEMENT PARTS

#470-CG	AUTO INFLATOR	#474	BOBBIN
		#353	CO2 CYLINDER, 17 GRAMS
#481-P	POCKET f/#481 WAIST BELT (optional)		

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.

Halkey-Roberts Pro 1F® V95000 Service Instructions

DISASSEMBLY (see figure)

Step 1: Unpack or open the life vest so that the manual/automatic inflator is visible.

Step 2: Remove gas CO2 cylinder by rotating cylinder counterclockwise then pull out. **Discard cylinder.**

Step 3: Remove cap by turning counter-clockwise.

Step 4: Remove bobbin from cap or housing unit. **Discard bobbin** (yellow). Check the housing to be sure it is clear and dry.

Note: The bobbin (yellow) body may remain in the housing or in the cap assembly when you remove the cap. The bobbin body must be removed prior to Rearming.

REARMING

Note: Rearming must follow the sequence below.

Step 5: A new bobbin must be used. New bobbin must have been purchased within three (3) years. If bobbin purchase date is unknown, check date on bobbin, replace if over three (3) years.

Step 6: IMPORTANT!
Bobbin (yellow) must be installed into the HOUSING (**see figure), white side up, aligning the slots on the bobbin with the ridges inside the threaded housing. The bobbin will slide in easily if installed correctly.

Step 7: Install cap by screwing clockwise until it meets the housing shoulder.

Note: No gap between the cap and the housing shoulder.

Step 8: Check the new cylinder to be sure it has not been punctured.

IMPORTANT!

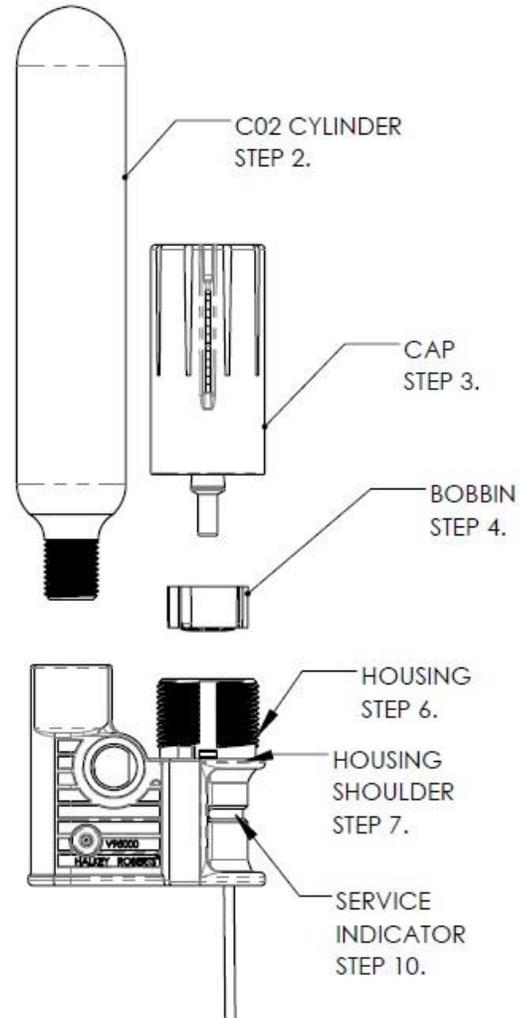
Install the bobbin and cap before installing a new cylinder.

Step 9: Install new cylinder by engaging the cylinder threads with the inflator threads. Turn cylinder clockwise till a firm seal is achieved.



WARNING: PFD WILL ONLY INFLATE IF CYLINDER IS TURNED TO FULL STOP.

Step 10: Check to be sure service indicator is **GREEN**.



SERVICE INDICATOR



If green, unit is operable.



If red, stop and service unit.