



# Rpacking Instructions

## Flotation Collar

### #740 (70 lbs) (V5.1)

#### Preparation

- Large, flat surface. Remove sharp objects with the potential to damage the inflatable bladder.
- Gather required equipment:
  1. 2 each replacement 33 gram CO<sub>2</sub> cylinders (LSC #484)
  2. Replacement red indicator pin, 2 each
  3. Replacement Cylinder Seat Gaskets (LSC #484-S) (if needed)
  4. A vacuum generator or air pump (highly recommended)
  5. Optional: small shot bags for use as weights or small plastic spring clamps with soft rubber/plastic inserts to aid in the repacking of the inflatable bladder.

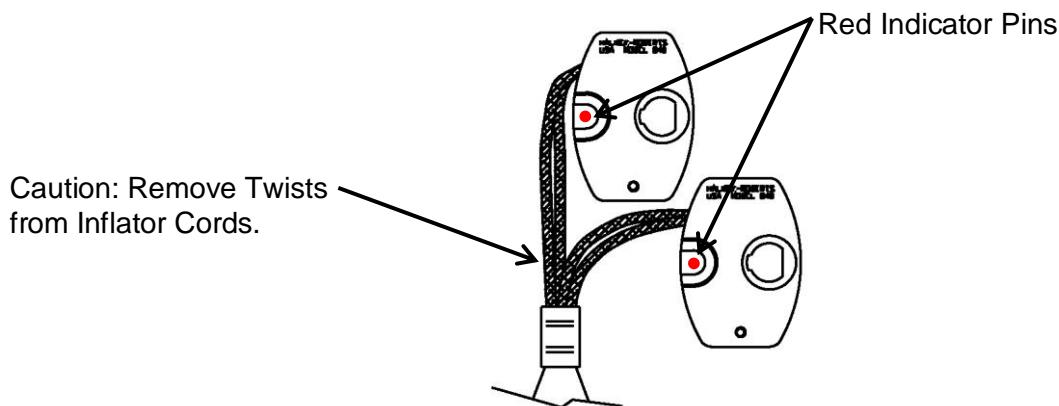
**NOTE: This instruction guide is for use when packing an Osprey vest after an annual inspection has been done. If the bladder has been inflated during training, operational use, or accidentally, a full annual inspection must be performed.**

**Note: All orientations reference the packer's right and left when looking down at the vest.**

**Note: Always remove the flotation collar from the Osprey Vest/Harness assembly prior to repacking.**

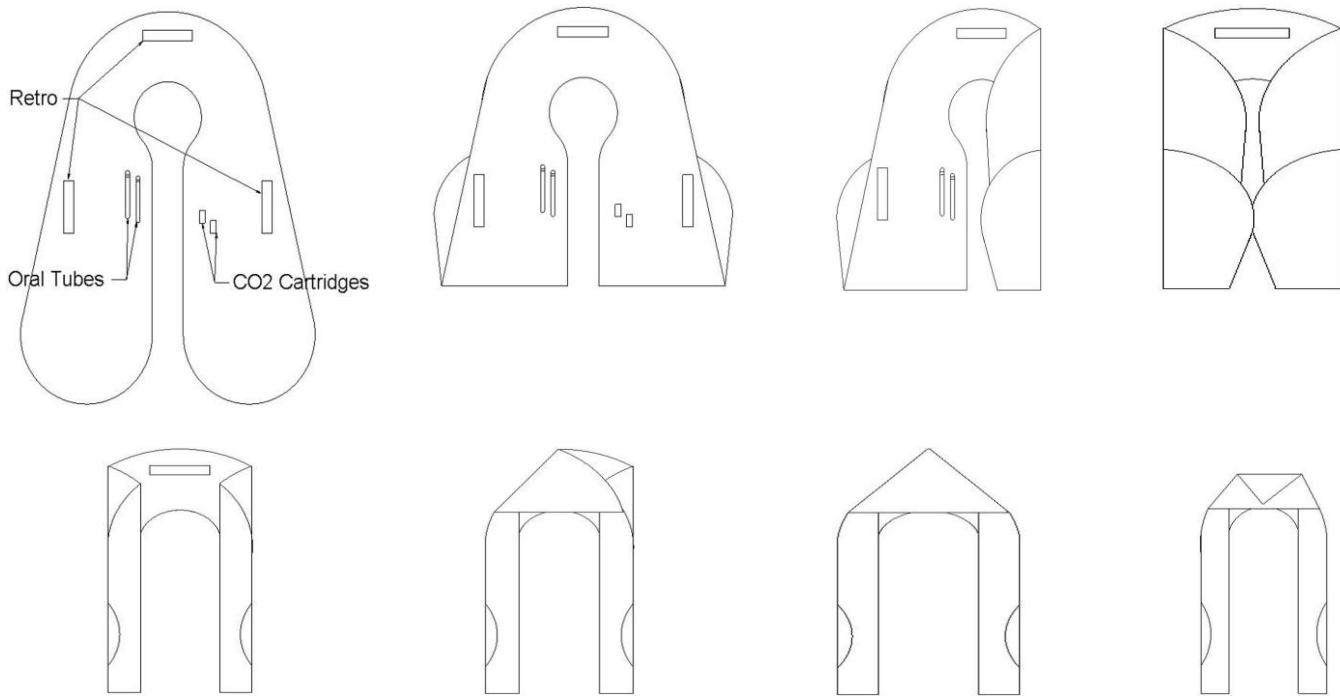
#### Instructions:

1. Ensure both chambers of the flotation collar are fully deflated by unlocking both oral tube valves and depressing. Gently compress the bladder with hands and arms forcing air out through the oral tubes. Use a vacuum generator or air pump to remove as much air from both chambers of the vest as possible.
2. Lay the flotation collar out flat with topside facing up.
3. Ensure that the closure zippers are fully disengaged along their full lengths. Part the zippers with your fingers as required and spread the case open to completely lay out the bladder. The zipper pulls should be at the bottom of the flotation collar.
4. Place the actuator levers in the up and armed position (see Diagram A). Install one new red indicator pin (LSC #HI015) into each manual inflator. Inspect the inflation assembly to ensure the cylinder seat gaskets are in place and in good condition. Install two new CO<sub>2</sub> cylinders. Hand tighten each cylinder  $\frac{1}{4}$  turn after seal contact (**AVOID** over tightening).



**Diagram A**

5. Thread the beaded CO<sub>2</sub> pull lanyard through the exit at the bottom of the left extension. The exit is between the sewn seam of the case and the zipper tape. Take precaution to remove all twists from the cords leading to the CO<sub>2</sub> actuators.



**Diagram B**

6. Lay the inflatable bladder out flat and begin the fold process (refer to bladder fold illustrations - Diagram B).  
Actuators and oral tubes should be facing up  
**TIP:** The folds from the original packing will have placed a set in the fabric of the bladder along the fold lines. Use these as a guide to aid in repacking the bladder.  
**NOTE: you may have to establish new fold lines if the cell was improperly packed in the past.**  
**TIP:** Small shot bags or small plastic spring clamps will aid in maintaining the folds as you work on different areas of the bladder.
  - a. Fold the bottom of both the left and right extensions of the inflatable bladder under along a horizontal line extending out from the bottom of the bladder attachment tabs. These folds should be just above the bottom of the bladder case.
  - b. Fold over the right extension (side with CO<sub>2</sub> actuators) of the inflatable bladder towards the center of the assembly along a vertical line extending the length of the inflatable bladder. This fold should be up tight against the CO<sub>2</sub> actuators/cylinders (approximately 3-4" in width). Continue to fold the remainder of the right extension upon itself in accordion fashion. Align fold edges with either the inner vertical edge of the bladder or with the outer edge of the previous fold. When completed, a total of 3 accordion-type folds will have been made, having a total fold width of approximately 3-4" as measured along the left extension. Lay a shot bag across the folds or use a clamp to prevent undoing.
  - c. Repeat step "b" in similar fashion for the left extension (side with the oral inflation tubes). Take the left extension and make a fold towards the center of the assembly along a vertical line extending the length of the inflatable bladder. This fold should be approximately 3-4" in width from the inner edge of the bladder. Continue to fold the remainder of the left extension upon itself in accordion fashion. Align fold edges with either the inner vertical edge of the bladder or with the outer edge of the previous fold. When completed a total of 3 accordion type folds will have been made, having a total fold width of approximately 3-4" as measured along the left extension. Lay a shot bag across the folds or use a clamp to prevent undoing.
  - d. Move to the top of the inflatable bladder. From the top of the left extension fold the bladder over along a 45° angle from horizontal.
  - e. Repeat step (d) for the opposite side (top of right extension).
  - f. Fold the top of the bladder under along a horizontal line approximately 3" from the top of the neckline. Lay a shot bag across the top folds or use a clamp to prevent undoing.

7. Secure the folded bladder within the outer case.
  - a. Starting from the bottom of the right side, slide the zipper slider to the stops at the top of the collar. Repeat this for the left side. This just moves the zipper sliders to a position that will close the zippers.
  - b. Now slide the zipper slider down to the first corners (just a few inches from the stops).
  - c. Fold the top flap over and snap the two closure snaps. Check that the zipper chain remained closed near the stop.
  - d. Carefully close both zippers, making sure the orange bladder material clears the zipper chains.
  - e. Carefully insert the ends of the zipper into lower corners of the case
  - f. During steps .a through 10.e, adjust the case and bladder for fitment, removing wrinkles and gatherings. Fine-tuning of the folds may be required to obtain proper fit.

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