



Repacking Instructions

Flotation Collar

#741 (v1.0)

Preparation

- Large, flat surface. Remove sharp objects with the potential to damage the inflatable bladder.
- Gather required equipment:
 1. Replacement 33 gr CO₂ cylinders, 2 each (#484).
 2. Replacement green lock pins, 2 each (#470-1).
 3. Replacement rearming tablets, 2 each (#471).
 4. Zipper slider for closing the aramid case.
 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.

Instructions

For instruction purposes all orientations reference the wearer's right & left.

1. If bladder is inflated then deflate by unlocking both oral tube valves and depressing. Gently compress the bladder with hands and arms forcing air out through the oral tubes.
2. Release the four mini-buckles located on the underside of the assembly and remove the flotation collar assembly from the harness.
3. Lay the flotation collar out flat with the underside facing up. If not already done so, undo the two snap fasteners on the top closure flap.
4. Ensure that the closure zippers are fully disengaged along their full lengths. Part the zippers with your fingers if required and spread the case open to completely lay out the bladder.
5. Visually inspect the case, inflatable bladder and components of the flotation collar. Replace damaged bladder and/or components as necessary.
6. To re-arm the auto inflator mechanisms refer to Diagram A.
 - a. Remove CO₂ cylinders from both inflator mechanisms.
 - b. Ensure lanyard levers are in the up and armed position. Replace #470-1 Green Lock Pin if broken or missing.
 - c. Lift the arming lever to the up and cocked position. Remove the old water-soluble tablet if present by pushing on the tablet from the backside with a ballpoint pin or similar blunt device. DO NOT push or pry on the plastic cage surrounding the tablet. Ensure the mechanism, bladder, tablet cage and all components are thoroughly dry and then insert a new tablet. Complete for each inflator mechanism.
 - i. **NOTE:** The tablet replacement interval is dependent on environmental exposure and conditions of use. The recommended replacement period is every six (6) to twelve (12) months. If units are inflating prematurely on a regular basis due to high humidity conditions it is suggested that you reduce the replacement interval by 1 or 2 months to reduce/eliminate the occurrence of premature inflation.
 - d. After installing a new tablet, lower the arming lever to the closed and locked position.
 - e. Inspect cylinder and discard if properly if punctured, corroded or exhibits other damage. Install new or inspected cylinder into each inflator mechanism. Tighten 1/4 turn after seated.
 - i. **WARNING:** Tablet must be installed prior to cylinder. Failure to install tablet will cause cylinder to puncture during installation.
 - f. Inspect both inflator mechanisms to ensure the three safety indicators - - A (lock pin), B (tablet), & C (cylinder) are green.

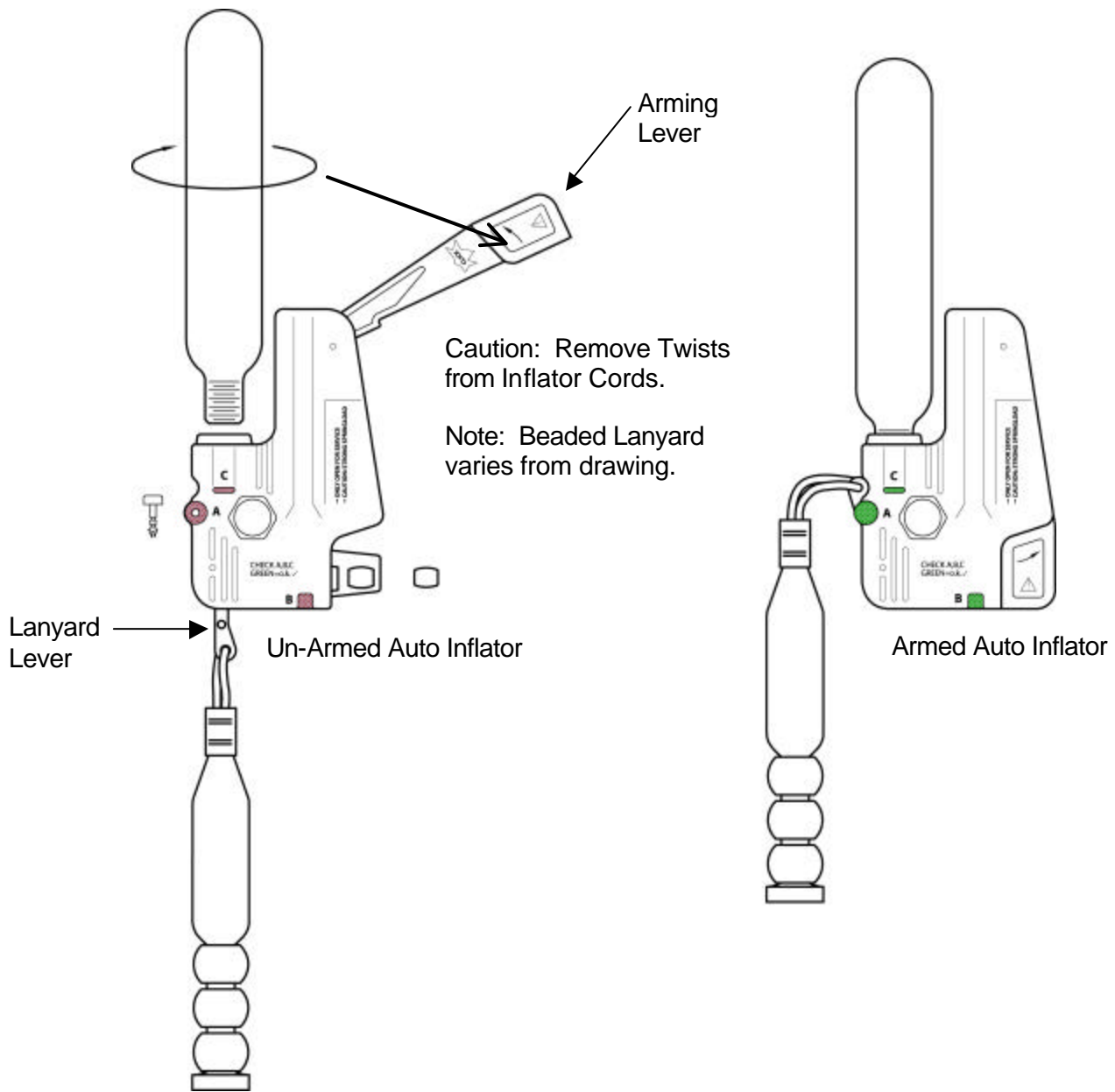


Diagram A

7. Thread the beaded CO₂ pull lanyard through the exit hole at the bottom of the left extension. Take precaution to remove all twists from the cords leading to the CO₂ actuators.
8. It is important that all trapped air be removed to aid in the repack of the bladder assembly, and to provide for a compact and low profile collar. Remove trapped air by unlocking both oral tube valves and depressing. While the valves are depressed work all trapped air towards the oral tubes with your hands. Fold portions of the bladder to prevent air from moving back into previously evacuated sections. A small electric vacuum pump may be used to aid in removal of the trapped air.
9. Release and lock the oral tube valves in the closed/sealed position.

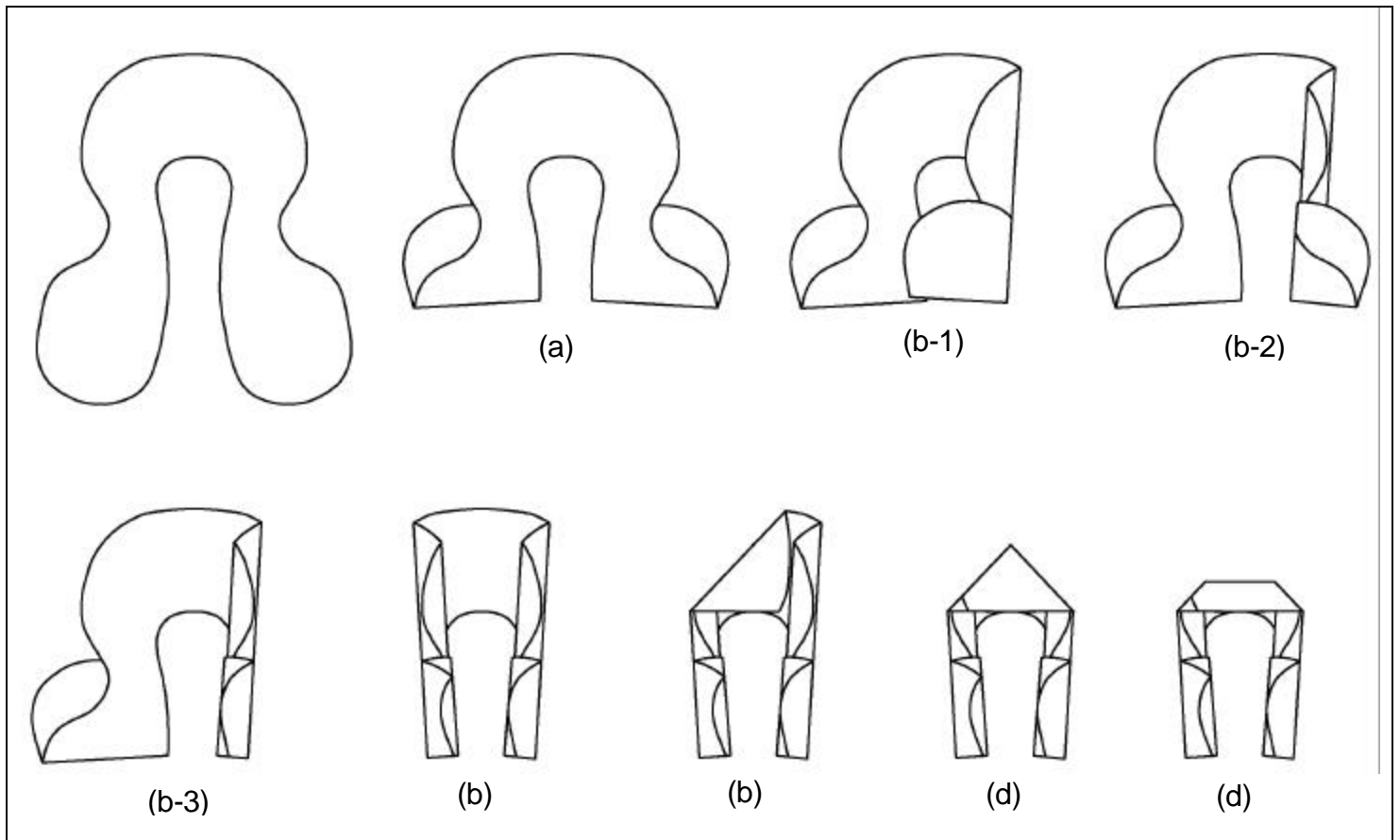


Diagram B

10. 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.
- b. Fold over the left extension 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 CO₂ actuator/cylinder (approximately 3" in width). 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" as measured along the left extension. Lay a shot bag across the folds or use a clamp to prevent undoing.
- c. Repeat for the right extension. Fold over the right extension 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 CO₂ actuator/cylinder (approximately 3" 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" as measured along the right 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 right extension fold the bladder over along a 45° angle from horizontal.
- e. Repeat step (d) for the opposite side (top of left 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.

11. Secure the folded bladder within the aramid case.

- a. Remove shot bags (clamps need not be removed), being careful to retain the integrity of the folds. Flip the vest such that the front side is facing down. Replace shot bags.

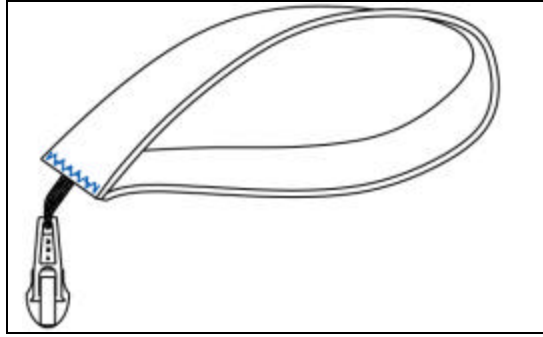


Diagram C

- b. From the top of the case, install the zipper slider (see Diagram C) on left extension zipper cord and move the slider to the zipper retainer (stop) located at the bottom of the left extension. Note: ensure the slider mates properly with the zipper retainer (i.e. flat to flat).
 - c. Ensure that pull lanyard exists the case properly with no twist in the inflator cords.
 - d. Starting from the bottom of the left extension/lobe, tuck the first 6 inches of the folded bladder into place within the case (remove and replace clamps as necessary).
 - e. Begin to close the zipper. Place the pin (lead) of the zipper cord into the zipper slider and begin to zip close. Continue to tuck the bladder and close the case with the zipper until the left side is packed and the zipper is closed at the top.
 - f. Leave slider on temporarily to prevent zipper from parting.
 - g. Repeat steps 11.b through 11.f for the right extension/lobe.
 - h. Carefully remove the zipper sliders. Close the top flap and secure the two snap fasteners.
 - i. During the process 11.b through 11.f, adjust the case and bladder for fitment, removing wrinkles and gatherings. Fine-tuning of the folds may be required to obtain proper fit.
12. Secure the beaded inflation lanyard to the front of the flotation collar with the two snap fasteners.

Important: Ensure zipper sliders are removed from packed case prior to placement in service. Store zipper sliders in safe location for future repack.

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