

OWNER'S MANUAL



MD1401 | MD1402

SENTRY™ LPU

DO NOT REMOVE PRIOR TO SALE

This document is for the use of licensed users only.

No part of this document may be reproduced, transmitted, or transcribed in any form or by any means without the express permission of Mustang Survival Inc.

While every effort possible has been made to ensure technical accuracy information within this document is subject to change without notice.



TABLE OF CONTENTS

Sentry™ LPU Introduction	2
Overview	2
Warning and Cautions	3
Readiness Checklist	4
Product Overview	5
Integration with Armor Carrier	6
Sentry™ LPU Placement on Armor Carrier	6
Standard Armor Carrier Front Attachment	7
Girth Hitch Armor Carrier Front Attachment	9
Standard Armor Carrier Back Attachment	12
Confirm Fit	13
Removal from the Armor Carrier	15
Integration with Stand Along Chest Harness	18
Standard Harness Attachment	18
Removal from Harness	21
Inflation & Deflation	22
Inflation	22
Hammar Automatic Inflator	
(included with MD1401 and sold separately)	22
Hammar Automatic Inflator Conversion to Manual	
(with MA7219 Conversion Cap)	23
Hammar Manual Inflator	
(included with MD1402 and sold separately)	24
Oral Inflation	25
Deflation	25
Packing	26
Re-Arming the Sentry™ LPU	33
Re-Arm Kits	33
Re-Arming the Hammar Automatic Inflator (with MA1511)	
or Hammar Manual Inflator (with MA1512)	33
Care & Maintenance	37
Leak Testing	37
General Tests and Inspections	38
Testing the Inflators and Sentry™ LPU Performance	38
Cleaning and Storage	39
Accessories & Related Products	40

SENTRY™ LPU INTRODUCTION

OVERVIEW

This manual provides instructions and guidelines for safely using and maintaining the Mustang Survival Sentry™ Life Preserver Unit (LPU). The Sentry™ LPU is a lightweight tactical LPU for military and law enforcement and is designed to easily attach to an armor carrier with MOLLE (carrier not included). It can also be worn with a stand-alone harness (included), designed for users with a chest size of 36-52" (91-132cm).

The Sentry™ LPU is low profile, does not impede user function, and minimizes interference with accessories mounted to the chest. It uses an ultra-lightweight, unsupported film as the inflatable gas chamber and weighs approximately one pound. When inflated, it provides over 40 lbs (180 N) of buoyancy at the water surface and will turn most unconscious users face-up to reduce the risk of drowning.

This manual is applicable to the MD1401 (Sentry™ LPU with automatic inflator), and MD1402 (Sentry™ LPU with manual inflator). These inflators are discussed in further detail in the manual.

SENTRY™ LPU INTRODUCTION (CONT'D)

WARNINGS AND CAUTIONS

- Customers are advised not to perform alterations or modifications to the Sentry™ LPU or its subassembly components, other than as described in this manual, without prior approval of Mustang Survival. Unauthorized modifications will void any and all warranty claims with the Sentry™ LPU.
- It is recommended each user complete in-water testing with full load-out to validate that the Sentry™ LPU is safe to use. In-water performance will vary based on user size, carrier, attachment method, and kit.
- The Sentry™ LPU should not be constrained so as to prevent the bladder from expanding normally. It should not be inflated in a small space. Do not wear clothing or equipment over the Sentry™ LPU. If strapping (including a sling) is placed over the Sentry™, it may impede inflation. The Sentry™ LPU may be compatible with a sling or other interfering equipment but requires in-water validation.
- When using the Sentry™ LPU in temperatures below freezing, fully discharging the CO2 cylinder may not provide adequate inflation; use the oral inflator to top-up the LPU.
- For optimal flotation, the Sentry™ LPU must be secured tightly to the armor carrier. The attachment method should be validated with in-water testing prior to use.
- After each inflation, the Sentry™ LPU must be rearmed, leak tested, and fully deflated before repacking.
- When repacking, take care not to damage the bladder film when fastening zippers or inserting the cylinder.
- If the Sentry™ LPU has been orally inflated, subsequent automatic inflation could over-pressurize and damage it.
- To avoid accidental inflation, do not allow water to contact the hydrostatic inflator.
- Always check the inflator status to ensure inflator is armed, ready for use, and is not past its expiry date.
- The automatic inflator (provided with the MD1401) must be immersed under four inches of water, for up to five seconds, to trigger automatic inflation. Due to the inflator position, if an unconscious user falls face-down into the water and is not submerged the unit will not automatically inflate.
- It is not recommended to inflate the Sentry™ LPU prior to jumping into the water.

SENTRY™ LPU INTRODUCTION (CONT'D)

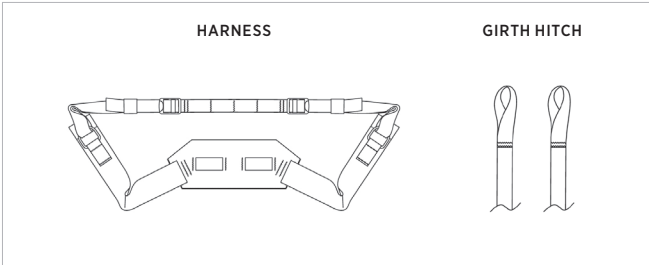
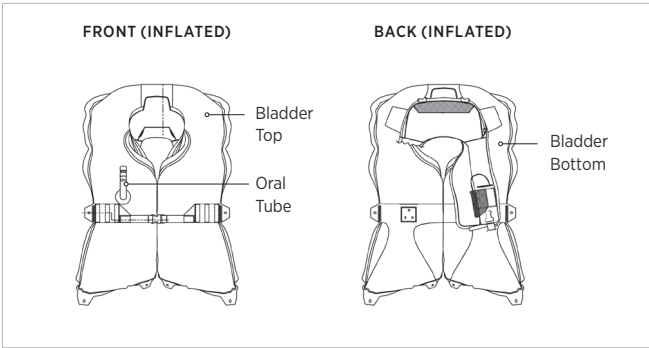
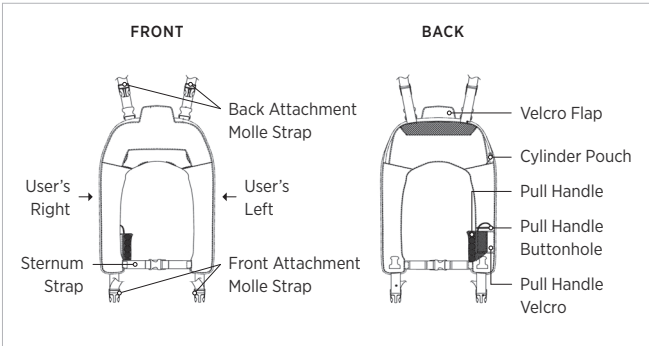
READINESS CHECKLIST

NOTE: PERFORM BEFORE EACH USE.

- ☐ No visible holes, tears, or excessive wear.
- ☐ Ensure minimal residual air remains inside the bladder.
If residual air is inside the unit, the MD1401 may not inflate.
- ☐ Manual pull handle is fastened.
- ☐ The inflator status has been checked.
- ☐ The inflator access zipper is closed.
- ☐ Top Velcro tab is fastened to prevent breakout zippers from accidentally disengaging.
- ☐ Zipper ends are tucked in at the bottom of the lobes.
- ☐ Buckles are fastened, including sternum strap.

SENTRY™ LPU INTRODUCTION (CONT'D)

PRODUCT OVERVIEW

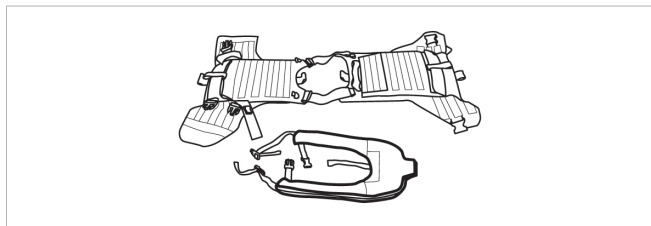


INTEGRATION WITH ARMOR CARRIER

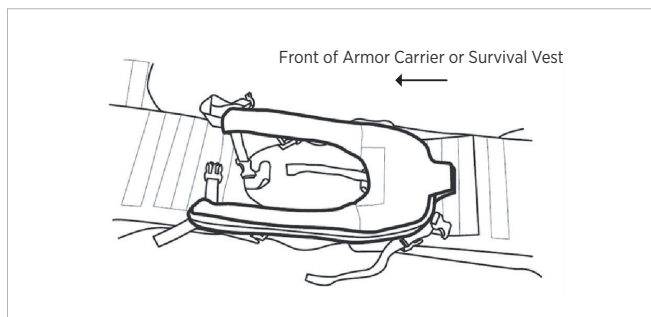
WARNING: SUITABLE ANCHOR POINTS MUST BE USED, AS OUTLINED BELOW. FOR OPTIMAL FLOTATION, THE SENTRY™ LPU MUST BE SECURED TIGHTLY AGAINST THE VEST. ENSURE SENTRY™ LPU IS PROPERLY PACKED AND INFLATOR IS ARMED AND READY PRIOR TO ATTACHMENT.

SENTRY™ LPU PLACEMENT ON ARMOR CARRIER

1. Place the armor carrier and the Sentry™ LPU on a flat surface (the armor carrier may be placed on the body to help determine appropriate placement).



2. Place the Sentry™ LPU on top of the armor carrier. The two lobes are placed on the front of the carrier.

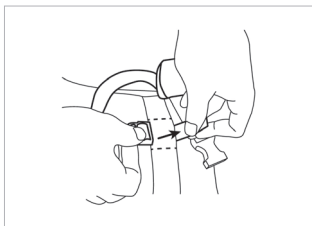


INTEGRATION WITH ARMOR CARRIER (CONT'D)

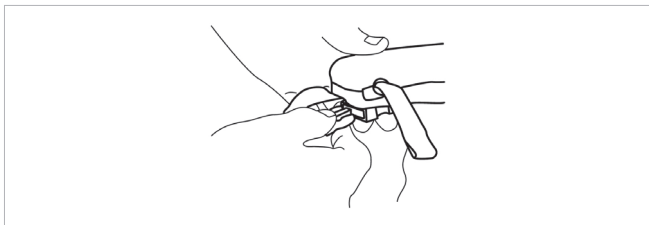
STANDARD ARMOR CARRIER FRONT ATTACHEMENT

NOTE: TO ATTACH THE SENTRY™ LPU USING THE GIRTH HITCHES PROVIDED, SKIP TO THE 'GIRTH HITCH ARMOR CARRIER FRONT ATTACHMENT' SECTION.

1. Loop one of the male buckle straps of the front lobe through a MOLLE slot on the front of the carrier.

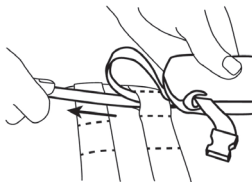


2. Pull the male buckle all the way through the MOLLE slot.
3. Clip the male buckle to the female buckle under the inflatable lobe. Ensure there are no twists in the webbing.

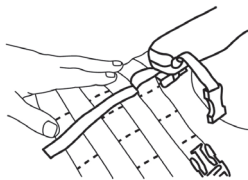


INTEGRATION WITH ARMOR CARRIER (CONT'D)

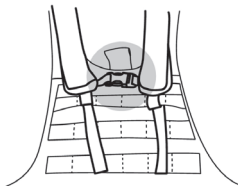
4. Feed the buckle webbing through the same MOLLE slot.



5. Pull the strap tight so the inflatable is securely attached in place. The tighter this connection, the better the performance. Any slack in this connection allows the inflatable chamber to separate from the body/armor carrier in the inflated condition.



6. Repeat steps 1 – 5 for the other front lobe.
7. **IMPORTANT!** Close the sternum strap in front of the inflatable. This holds the bladder lobes together in the inflated condition. If it is not fastened, self-righting performance will be negatively affected.

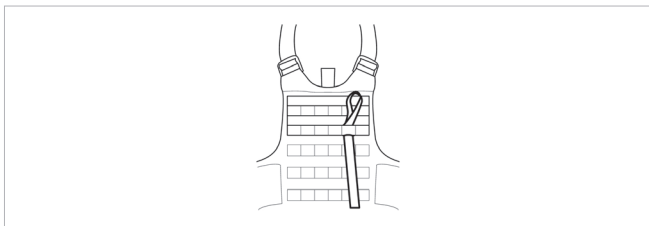


INTEGRATION WITH ARMOR CARRIER (CONT'D)

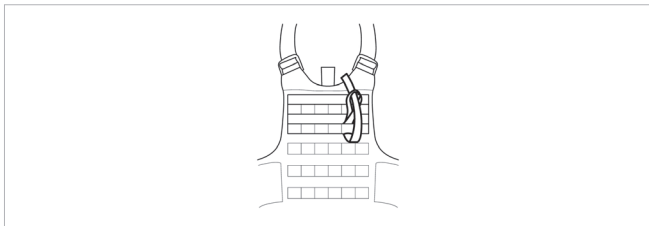
GIRTH HITCH ARMOR CARRIER FRONT ATTACHMENT

NOTE: THE SELF-RIGHTING AND FLOTATION PERFORMANCE OF THE SENTRY™ LPU IS REDUCED WHEN USING THE GIRTH HITCHES AS THEY WILL NOT FASTEN THE SENTRY™ LPU AS TIGHTLY TO THE ARMOR CARRIER AS THE WEBBING SEWN TO THE SENTRY™ LPU ITSELF. IF USING GIRTH HITCH ATTACHMENTS, CONDUCT IN-WATER TESTING TO VALIDATE PERFORMANCE.

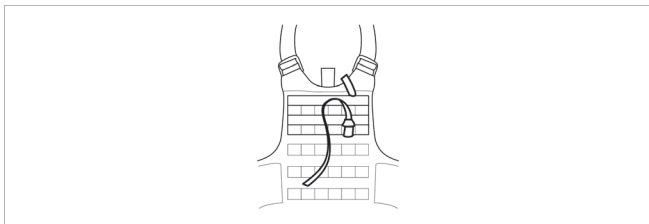
1. Feed girth hitch through attachment location. Webbing loop to be at top.



2. Feed webbing tail through webbing loop.

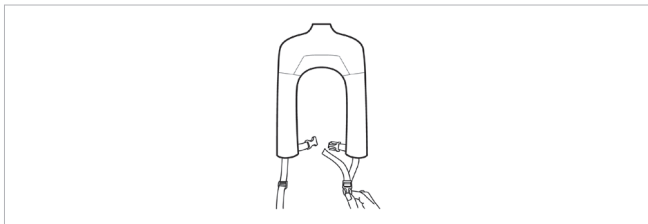


3. Cinch tight.

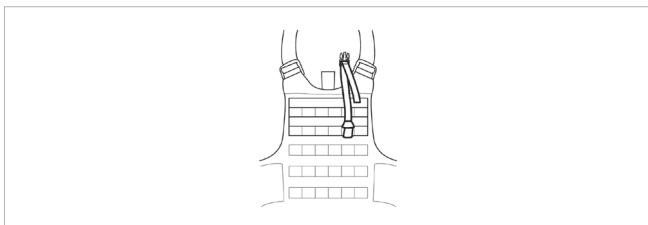


INTEGRATION WITH ARMOR CARRIER (CONT'D)

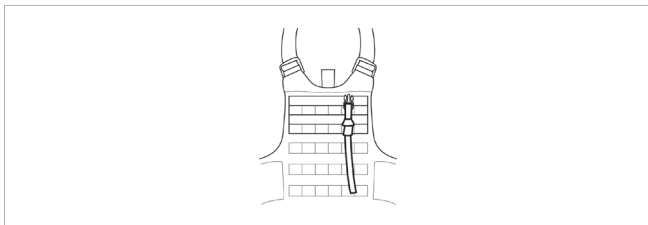
4. Remove male buckle from webbing strap attached to the Sentry™ LPU body.



5. Feed the male buckle onto the girth hitch webbing as shown.

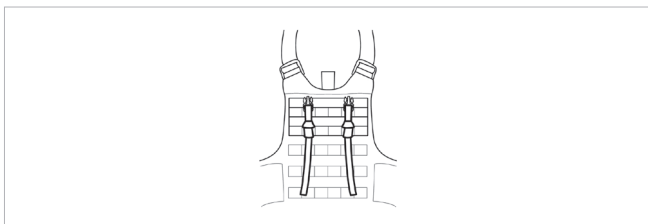


6. Route webbing tail through attachment.

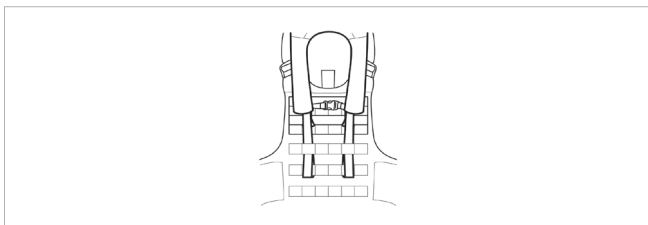


INTEGRATION WITH ARMOR CARRIER (CONT'D)

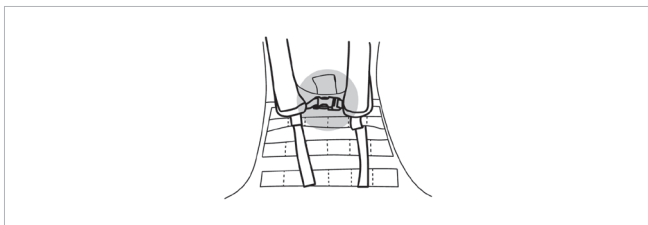
7. Complete Step 1 – Step 6 for second girth hitch.



8. Clip to unit. Confirm webbing will not loosen. Stow excess webbing tails as necessary.



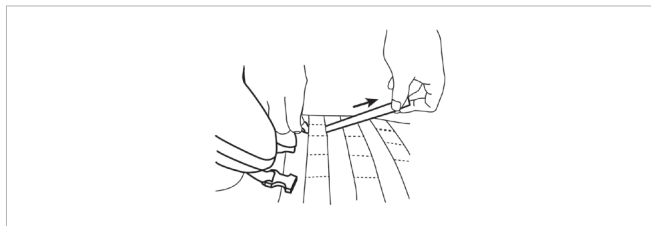
9. **IMPORTANT!** Close the sternum strap in front of the inflatable. This holds the bladder lobes together in the inflated condition. If it is not fastened, self-righting performance will be negatively affected.



INTEGRATION WITH ARMOR CARRIER (CONT'D)

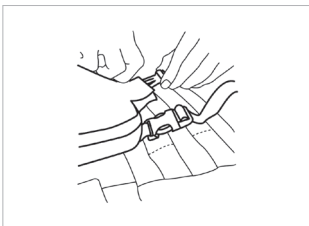
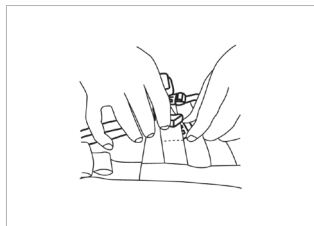
STANDARD ARMOR CARRIER BACK ATTACHMENT

1. Loop one of the buckle straps through the back of the armor carrier MOLLE.



2. Pull the male buckle all the way through the MOLLE slot.

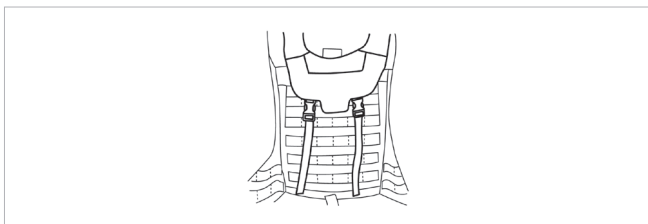
TIP: DEPENDING ON THE MOLLE, THE WEBBING TAIL MAY BE INSERTED THROUGH THE MOLLE FIRST, AND THE MALE SIDE OF THE BUCKLE PULLED THROUGH (IT IS EASIER TO FEED THE MALE BUCKLE THROUGH THE MOLLE STARTING WITH THE END WITHOUT CLIPS). THIS MAY BE EASIER THAN RETHREADING THE BUCKLE.



3. Clip the male buckle to the female buckle on the back.
4. Pull the strap tight so the inflatable is securely attached in place.

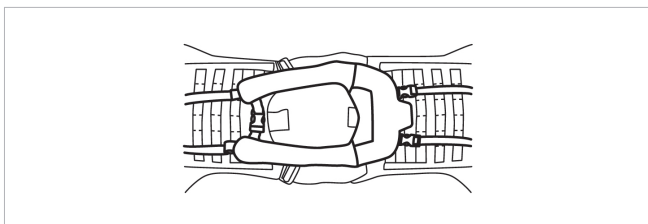
INTEGRATION WITH ARMOR CARRIER (CONT'D)

5. Repeat steps 1 - 4 for the other back buckle.



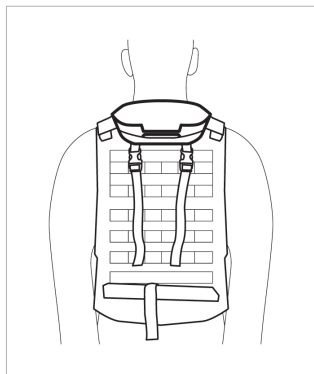
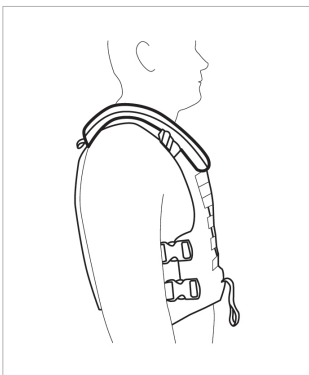
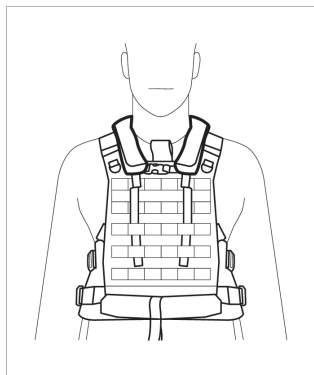
CONFIRM FIT

1. Inspect and confirm that all Sentry™ LPU straps are tightly attached to the armor carrier. The collar of the Sentry™ LPU should be close to the neckline of the user for optimal performance. Stow all straps if necessary.



INTEGRATION WITH ARMOR CARRIER (CONT'D)

2. Check fit. The Sentry™ LPU should be snug against the armor carrier with webbing straps tightened. The seam joining the lobe fabric panel and the back fabric panel should be approximately in-line with the back of the neck. If the Sentry™ LPU is set too far back on the body, the neck hole will not properly fit in the inflated condition.

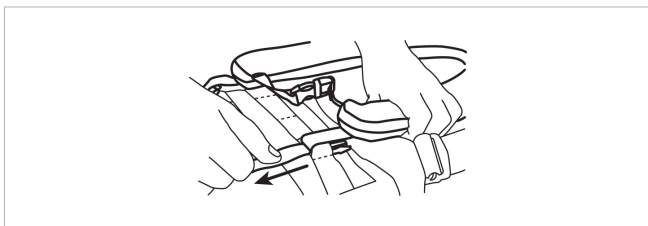


NOTE: EXACT ATTACHMENT LOCATIONS WILL VARY BETWEEN DIFFERENT ARMOR CARRIERS AND KIT SET-UP. IN ALL CASES, THE ARMOR CARRIER MUST BE ATTACHED SNUGLY TO THE USER. IF THE CARRIER IS LOOSE, THE SENTRY™ LPU MAY RIDE UP AND OVER THE HEAD OF THE USER WHEN INFLATED.

INTEGRATION WITH ARMOR CARRIER (CONT'D)

REMOVAL FROM THE ARMOR CARRIER

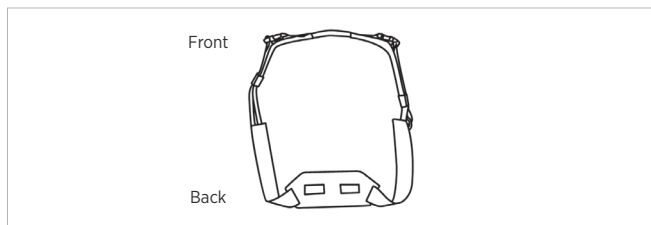
1. To remove the Sentry™ LPU from the carrier, unbuckle all straps and pull buckles through the MOLLE slots.



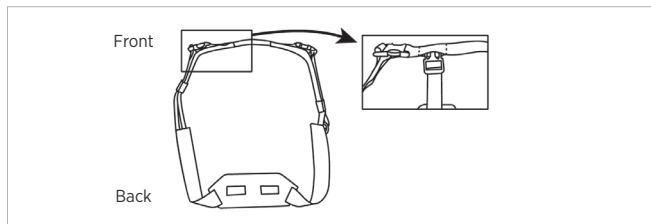
INTEGRATION WITH STAND ALONE CHEST HARNESS

STANDARD HARNESS ATTACHMENT

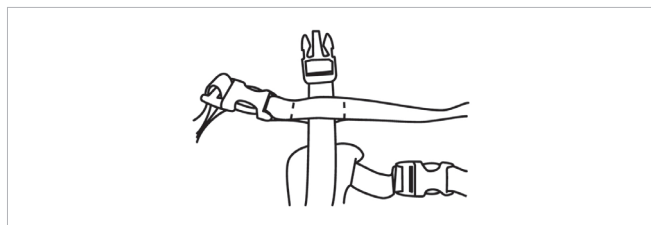
1. Orient the harness and identify the front and back.



2. Loop one of the male buckle straps of the front lobe through the front harness slot

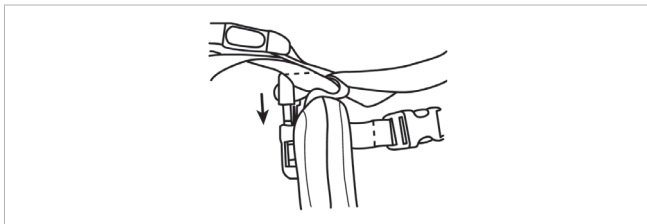


3. Feed the buckle all the way through the harness slot.

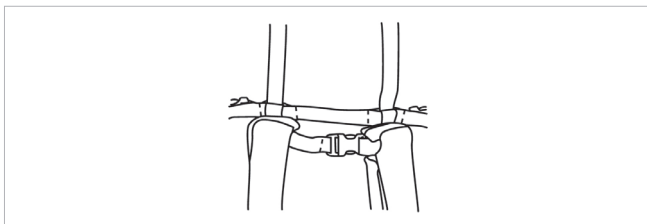


INTEGRATION WITH STAND ALONE CHEST HARNESS (CONT'D)

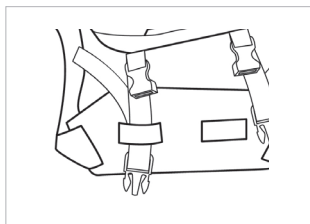
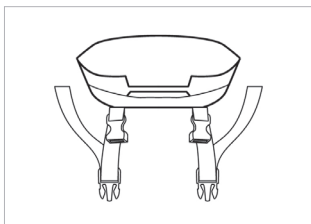
4. Clip the male buckle to the female buckle under the inflatable lobe.



5. Feed the buckle strap back through the slot (optional).
6. Pull the strap tight so the inflatable is securely attached in place.
7. Repeat steps 2 - 6 for the other front lobe.

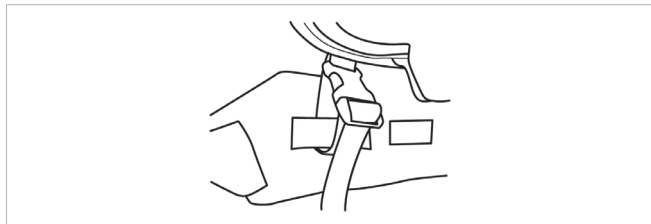


8. **IMPORTANT!** Close the sternum strap in front of the inflatable. This holds the bladder lobes together in the inflated condition. If it is not fastened, self-righting performance will be negatively affected.
9. Loop one of the back male buckle straps through the back harness slots.

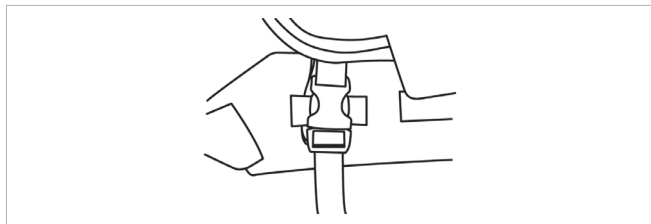


INTEGRATION WITH STAND ALONE CHEST HARNESS (CONT'D)

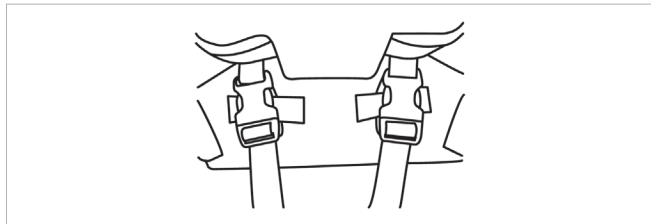
10. Pull the buckle all the way through the slot.
11. Clip the male buckle to the female buckle on the back.



12. Pull the strap tight so the Sentry™ LPU is securely attached in place.

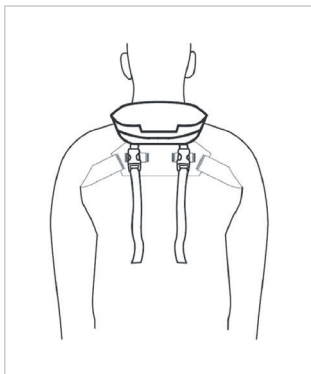
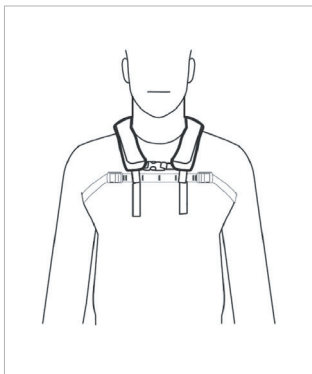


13. Repeat steps 9 – 12 for the other back buckle.



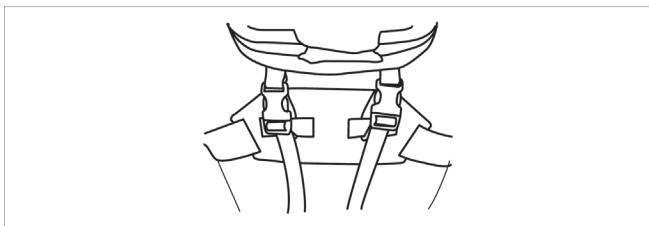
INTEGRATION WITH STAND ALONE CHEST HARNESS (CONT'D)

14. Inspect and confirm that all Sentry™ LPU straps are tightly attached to the harness and that no webbing or attachments are twisted. The harness should sit flat against the back. The collar of the Sentry™ LPU should be close to the neckline of the user for optimal performance.



REMOVAL FROM HARNESS

1. To remove the Sentry™ LPU from the carrier, unbuckle all straps and pull buckles through the MOLLE slots.



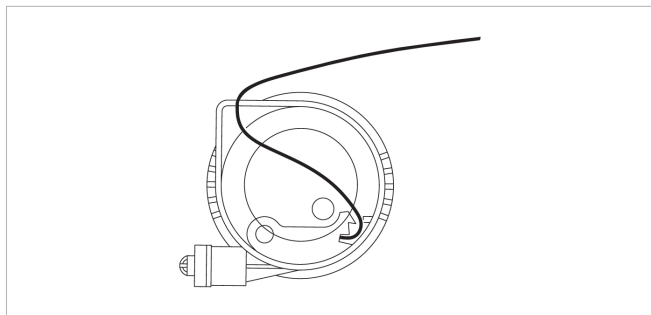
INFLATION & DEFLATION

INFLATION

Confirm which inflator is attached to the Sentry™ LPU. Note that the MD1401 is supplied with the Hammar automatic inflator, and the MD1402 is supplied with the Hammar manual inflator. However, these inflators are interchangeable and sold separately (see ACCESSORIES, p. 40), and the user can switch between inflator types.

HAMMAR AUTOMATIC INFLATOR

(INCLUDED WITH MD1401 AND SOLD SEPARATELY)



When the Hammar Automatic Inflator is submerged under more than approximately four inches of water, the hydrostatic inlet valve opens, allowing water contact with the water-sensitive element. The element releases a stainless steel coil spring, driving a needle into the end of the gas cylinder, puncturing it and allowing the gas to fill the Sentry™ LPU. The Sentry™ LPU should fully inflate within five seconds.

Before use, always check the status of the inflator by ensuring the visual indicator is green and that the inflator cap has not expired.

INFLATION & DEFLATION (CONT'D)

HAMMAR AUTOMATIC INFLATOR CONVERSION TO MANUAL

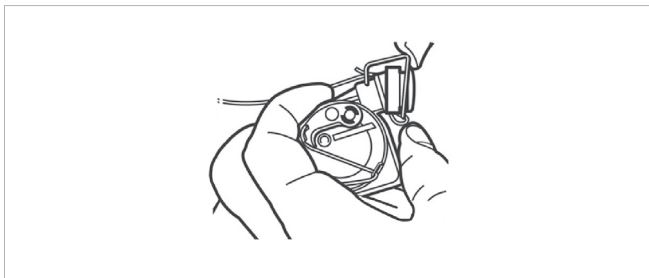
(WITH MA7219 CONVERSION CAP)

Under special circumstances, such as wading or at other times when complete manual control of inflation of the LPU is required, the MD1401 can be converted from automatic inflation to manual inflation. The LPU may be changed back to automatic inflation by removing the conversion cap.

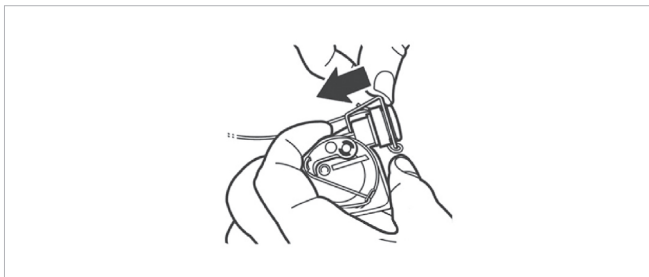
CAUTION: THE MANUAL CONVERSION CAP IS NOT INTENDED FOR EXTENDED IMMERSION AT DEPTH. ACTIVITIES REQUIRING EXTENDED IMMERSION AT DEPTH MAY EXCEED THE LIMITS OF THE CONVERSION CAP, AND CAUSE AUTOMATIC INFLATION.

The conversion cap requires an armed MD1401 and an MA7219 conversion cap. To use the cap, follow the steps below:

1. Position the conversion cap over the hydrostatic water inlet valve.



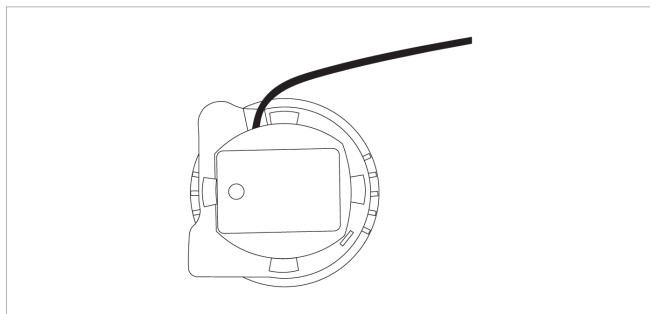
2. Secure the conversion cap to the hydrostatic water inlet by applying pressure to the cap at the metal clip until it locks in place.



INFLATION & DEFLATION (CONT'D)

HAMMAR MANUAL INFLATOR

(INCLUDED WITH MD1402 AND SOLD SEPARATELY)



The Hammar Manual Inflator will activate only when it is engaged by the manual pull cord.

Before use, always check the status of the inflator by ensuring the visual indicator is green and that the inflator cap has not expired.

WARNING: IF THE SENTRY™ LPU IS EQUIPPED WITH A MANUAL INFLATOR, IT MUST BE MANUALLY ACTIVATED BY THE USER WITH THE PULL HANDLE; IT DOES NOT AUTOMATICALLY INFLATE UPON SUBMERSION.

CAUTION: IF THE SENTRY™ LPU HAS BEEN ORALLY INFLATED, INFLATION TRIGGERED BY ANY OF THE TWO INFLATION SYSTEMS COULD OVER-PRESSURIZE AND DAMAGE THE UNIT.

CAUTION: WHEN USING THE SENTRY™ LPU IN TEMPERATURES BELOW FREEZING, FULLY DISCHARGING THE CO2 CYLINDER MAY NOT PROVIDE ADEQUATE INFLATION; USE THE ORAL INFLATOR TO TOP-UP THE LPU.

CAUTION: DO NOT CONSTRAIN THE SENTRY™ LPU SO AS TO PREVENT THE BLADDER FROM EXPANDING. DO NOT INFLATE IN A SMALL SPACE. DO NOT WEAR CLOTHING OR EQUIPMENT OVER THE SENTRY™ LPU. IF STRAPPING (INCLUDING A SLING) IS PLACED OVER THE SENTRY™, IT MAY IMPEDE INFLATION.

INFLATION & DEFLATION (CONT'D)

ORAL INFLATION

A properly armed Sentry™ LPU will inflate without oral inflation. However, when top-up inflation or total inflation is required, the Sentry™ LPU can be inflated orally.

When the Sentry™ LPU is inflated from the inflation cylinder, the carbon dioxide escapes through the bladder film over time. A reduction of pressure is apparent several hours after inflation. Therefore, oral top-up inflation may be required during prolonged immersion.

To orally inflate an un-inflated and packed Sentry™, follow all steps below. If the Sentry™ LPU is broken out and requires oral top-up only, Step 1 can be skipped:

1. Locate the zipper flap tab behind the head. Separate the hook and loop tab and separate both breakout zippers. Open the right lobe.
2. Locate the oral inflation valve on the users right lobe. Unscrew locking mechanism.
3. Depress the valve and blow into the tube until the Sentry™ LPU is fully inflated.
4. Lock the oral valve.

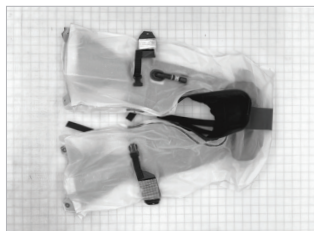
DEFLATION

1. To deflate the Sentry™, locate the oral inflation tube on the right side of the bladder and unscrew the locking mechanism on the valve. Depress the valve.
2. Gently squeeze the Sentry™ LPU until fully deflated, ensuring all gas is removed. To avoid damage, do not wring or twist the film, or press it against any hard or sharp object as this may cause damage.
3. Lock the oral valve.

PACKING

WARNING: AFTER EACH INFLATION, THE SENTRY™ LPU MUST BE REARMED, LEAK TESTED, AND FULLY DEFLATED BEFORE REPACKING.

1. Place the Sentry™ LPU on a flat, clean surface, free of sharp objects.
2. Retrieve the packing zipper sliders from the zipper slider pocket, in the headpillow.



3. Use the zipper sliders to join the breakout zippers. Start by threading the curved side of the zipper slider down to join the zipper.
4. Grasp the zipper tape so both sides are aligned evenly. Pull the slider down to start to close the zipper. Join both zipper coils, and close each approximately 3 inches.

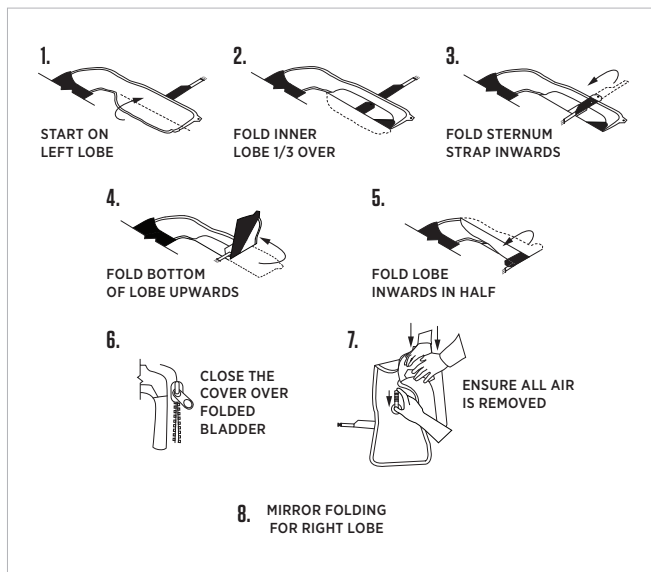


PACKING (CONT'D)

5. Close the Velcro™ flap on the top of the Sentry™; this will prevent the zippers from opening.
6. Locate the front attachment buckle (underneath lower lobes of bladder). This is used as a landmark for folding the bladder.



NOTE: THE USER'S LEFT LOBE HAS PACKING PICTOGRAMS ON THE BLADDER ATTACHMENT PANELS THAT MAY BE USED FOR REFERENCE. THESE PICTOGRAMS ARE SHOWN HERE. THE RIGHT LOBE OPERATIONS ARE MIRRORED.

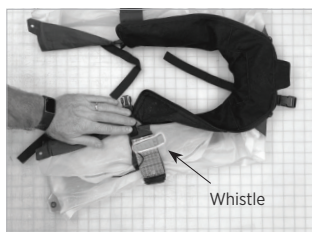


PACKING (CONT'D)

7. Starting with the wearer's left lobe, fold the inside of the bladder lobe towards the outside. Pull taut so the folded edge is overtop of the inside edge of the front attachment buckle.



8. Fold the male sternum strap towards the inside of the Sentry™. Align the inside edge of the box stitch with the inside edge of the front attachment buckle. Slide whistle onto sternum strap. Route the buckle strap under the inside piece of the cover.



9. Fold the bottom of the lobe upwards. Pull taut.



PACKING (CONT'D)

10. Fold the outside of the lobe inwards, and on top of the other folds. The outside edge of the fold should align with the breakout zipper.



11. Fold the cover over the bladder, while holding the folded bladder inside the cover. Close the breakout zipper, keeping the lower edge of the bladder aligned with the lower zipper tape. Completely close the zipper, removing the slider off the end of the zipper tape.

WARNING: DO NOT CATCH THE FILM IN THE ZIPPER TEETH. THIS MAY DAMAGE THE BLADDER.



PACKING (CONT'D)

12. Tuck the end of the zipper tape into the slot where the sternum strap exits the packed lobe.



13. Before folding the second lobe, ensure all air is removed from the bladder.



WARNING: EXCESS AIR MAY PREVENT AUTOMATIC INFLATION OF THE MD1401. AIR, AND MAKE PROPERLY PACKING THE MD1401 OR MD1402 EXTREMELY DIFFICULT.

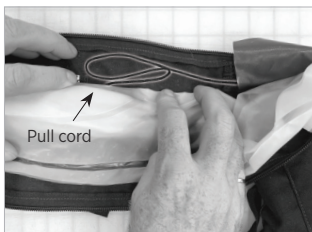
SHOULD BE EVACUATED BY A LOW-PRESSURE VACUUM (HAMMAR RECOMMENDS MAXIMUM 2.9 PSIG). IF A VACUUM IS NOT AVAILABLE, A TWO-PERSON SYSTEM IS RECOMMENDED TO PUSH ALL AIR TO THE ORAL VALVE FOR REMOVAL.

PACKING (CONT'D)

14. Lock the oral tube valve once all air is evacuated.



15. For MD1401, fold the manual pull cord and tuck it under the wearer's right lobe. For MD1402, the pull cord does not require folding.

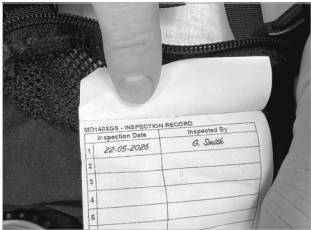


16. Mirror steps outlined and show in Steps 7 through 12.
17. Flip over and open the access pouch in the head pillow to stow the zipper pulls.
18. Stow the zipper pulls. Confirm that the Sentry™ is armed, and there is no excess air in the bladder.



PACKING (CONT'D)

19. Note the inspection date and inspector initials on the label provided in the head pillow.



20. Close the access pouch.

RE-ARMING THE SENTRY™ LPU

RE-ARM KITS

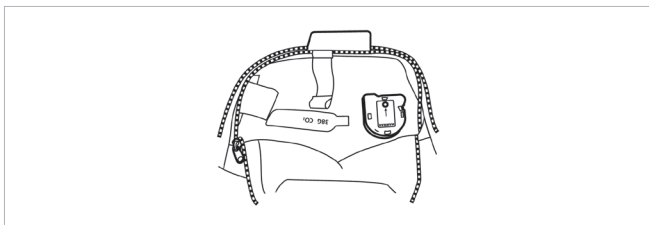
Re-arm kits are sold separately. The following model numbers are the re-arm kits for the Sentry™ LPU. To check what inflator you have or need, see INFLATION, p. 22.

RE-ARMING THE HAMMAR AUTOMATIC INFLATOR (WITH MA1511) OR HAMMAR MANUAL INFLATOR (WITH MA1512)

WARNING: WHEN INSTALLING THE INFLATOR CAP, TAKE CARE NOT TO PRESS THE CYLINDER ASSEMBLY OR OTHER COMPONENT INTO THE BLADDER AS THIS CAN CAUSE DAMAGE.

NOTE: HAMMAR MANUAL INFLATOR SHOWN. HAMMAR AUTOMATIC INFLATOR FOLLOWS THE SAME STEPS.

1. Place the Sentry™ LPU on a flat surface.
2. Un-zip the cylinder pouch to access the inflator.

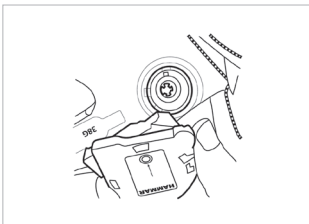
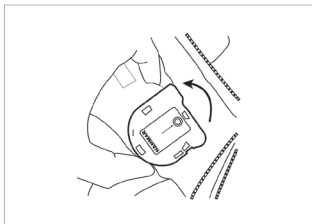


3. While holding the cylinder through the bladder, use the Hammar Key and insert it between the yellow inflator cap and the black locking ring. Turn the key counter clockwise, which will cause the black portion of the cap to rotate counter-clockwise.

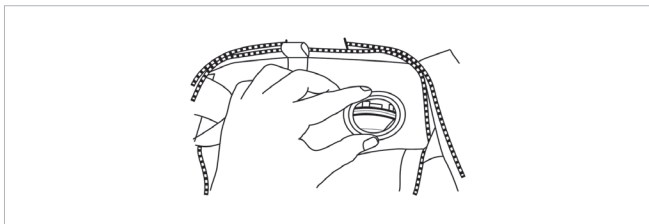


RE-ARMING THE SENTRY™ LPU (CONT'D)

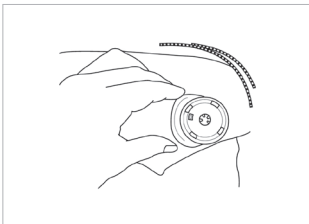
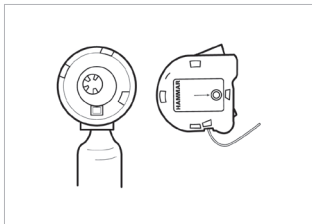
4. Keep turning the locking ring counter-clockwise and remove the cap from the cylinder assembly. The used inflator cap can be scrapped.



5. Pinch to fold the sealing ring, to allow the removal of the cylinder assembly. Visually check the sealing ring for any damage.

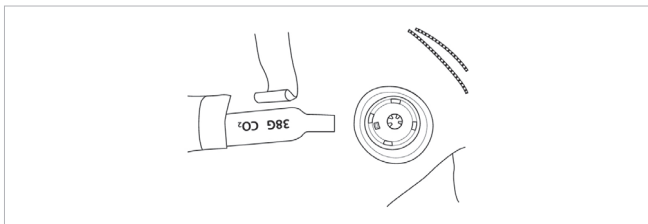


6. Confirm the indicators on the new cylinder assembly and inflator are green and carefully insert the new cylinder assembly into the bladder.

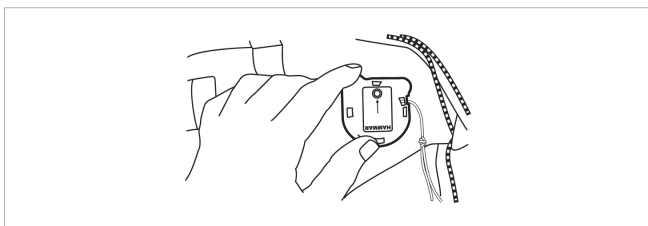


RE-ARMING THE SENTRY™ LPU (CONT'D)

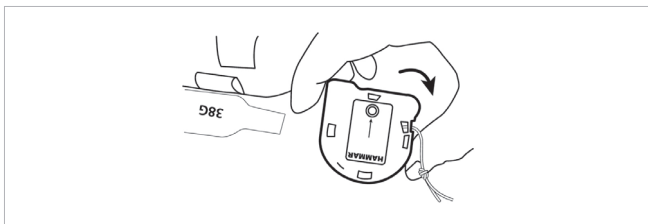
- Align the cylinder with the location image on the bladder and make sure the sealing ring rests on the cylinder assembly and does not capture extra folds of the bladder film.



- Place the new inflator on top of the cylinder assembly.

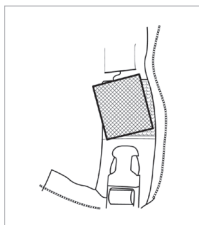
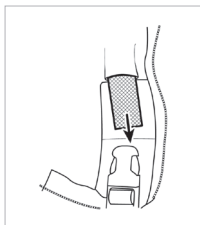
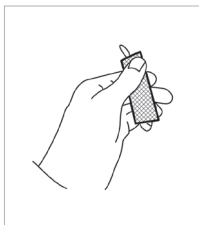


- Press down on the inflator and turn the locking ring clockwise until it is locked in place.

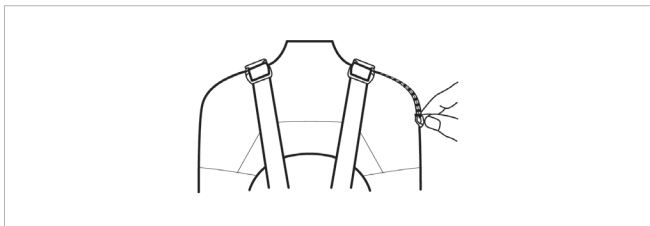


RE-ARMING THE SENTRY™ LPU (CONT'D)

10. Fold the pull handle of the new inflator in half, pass it through the buttonhole of the left lobe, and attach it to the Velcro patch.



11. Close the cylinder pouch zipper.



12. To test for leakage, inflate the Sentry™ LPU using the oral inflator tube (see ORAL INFLATION, p. 25). To avoid damage do not use a compressor (the maximum pressure should not exceed 0.8 psi). Leave inflated for two hours at 0.6 psi (firm to touch). There should be no significant drop in pressure over this time period.
13. Deflate and repack the Sentry™ LPU (see PACKING, p. 26).

CARE & MAINTENANCE

Before each use, review the Readiness Checklist:

See WARNINGS AND CAUTIONS (p. 3).

After each use, deflate, re-arm, and repack the Sentry™:

See DEFLATION, PACKING, AND RE-ARMING sections.

LEAK TESTING

Perform the following tests every 180 days, or more frequently if exposed to potential damage or used in extreme conditions.

Reliability of the device is dependent on personal equipment care, storage conditions, frequency of use, and environmental exposure during use. Inspection intervals should be altered to address variations that may affect product life or function (eg. high frequency use / deployment).

Testing for leaks:

1. Orally inflate the LPU until it is firm to the touch, and let it stand for two hours—a leaking unit will not hold its firmness.
2. If the unit is leaking, take it to a service department for evaluation and/or servicing.

Testing the oral inflation valve:

1. Fully inflate the LPU using the oral inflator, then hold the valve under water.
2. If bubbles appear, deflate and retest. If the leak persists, take the LPU to a Mustang dealer for evaluation and/or servicing.

CAUTION: TO AVOID ACCIDENTAL INFLATION, DO NOT ALLOW WATER TO CONTACT THE HYDROSTATIC INFLATOR.

CARE & MAINTENANCE (CONT'D)

GENERAL TESTS AND INSPECTIONS

Record the following tests in permanent ink on the Sentry™ LPU or in a separate maintenance log.

The following tests and inspections should occur annually, after each inflation, or whenever the integrity of the unit is in doubt.

1. Visually inspect all components for dirt or corrosion, and clean or replace as necessary.
2. Visually inspect the unit for damage or excessive abrasion, wear, fabric tears, or contamination. Particular attention must be paid to the stitching, straps, and hardware.
3. Test for leaks.
4. Test the oral inflation valve.
5. Ensure the inflator status is good (see INFLATION, p. 22).

TESTING THE INFLATORS AND SENTRY™ LPU PERFORMANCE

NOTE: A FULLY ARMED UNIT WITH A RE-ARM KIT IS REQUIRED FOR THIS TEST.

1. Don the Sentry™ LPU.
2. If the Sentry™ LPU is equipped with a:
 - a. Hammar Automatic Inflator, enter the water so the inflator is at least four inches below the water surface.
 - b. Hammar Manual Inflator, enter the water and inflate it by jerking firmly downward on the beaded manual inflation handle.
3. The Sentry™ LPU should fully inflate within five seconds
4. Ensure the Sentry™ LPU floats the user with the mouth above the surface of the water, and experiment with different leg positions to become familiar with changes in buoyancy and/or flotation characteristics. Ensure the Sentry™ LPU will turn the user face-up if the user relaxes in a face-down position.
5. Exit the water, remove the Sentry™, and completely deflate it (see DEFLATION, p. 25).
6. Let the Sentry™ LPU dry thoroughly, then re-arm and repack it (see RE-ARMING, p. 33 and PACKING, p. 26).

WARNING: IF IN DOUBT ABOUT THE INSPECTION AND SERVICING OF THE UNIT IN ACCORDANCE WITH THESE INSTRUCTIONS, OR OF ANY TEST OR INSPECTION RESULTS, TAKE THE UNIT IN FOR PROFESSIONAL SERVICING OR CONTACT MUSTANG SURVIVAL.

CARE & MAINTENANCE (CONT'D)

CLEANING AND STORAGE

1. Hand wash or sponge down the unit in warm, soapy water.
2. Rinse the unit and inflator with clean water, using a clean cloth.
3. Hang the unit to dry on a plastic coat hanger.
4. Always store the unit in a warm, dry place out of direct sunlight.

NOTE: TO AVOID ACCIDENTAL AUTO-INFLATION WHEN CLEANING THE SENTRY™ LPU, DO NOT SUBMERGE IT IN WATER OR SPRAY LIQUID ON THE INFLATOR.

CAUTION: DO NOT DRY CLEAN THE SENTRY™ LPU.

ACCESSORIES & RELATED PRODUCTS

The following accessories are available for your
MD1401 / MD1402

- **SENTRY™ INFLATABLE LPU WITH HAMMAR AUTOMATIC INFLATOR**
(PART #MD1401)
- **SENTRY™ INFLATABLE LPU WITH HAMMAR MANUAL INFLATOR**
(PART #MD1402)
- **SENTRY™ INFLATABLE LPU CHEST HARNESS**
(PART #MA1505)
- **SENTRY™ INFLATABLE LPU HAMMAR AUTOMATIC INFLATOR RE-ARM KIT**
(PART #MA1511)
- **SENTRY™ INFLATABLE LPU HAMMAR MANUAL RE-ARM KIT**
(PART #MA1512)
- **HAMMAR MANUAL CONVERSION KIT**
(PART #MA7219)

For more information on these items please visit
pro.mustangsurvival.com

NOTES

NOTES (CONT'D)



DO NOT REMOVE PRIOR TO SALE

MUSTANG ENGINEERED

For 60 years Mustang Survival has been engineering high-performance marine gear for military, coast guard, and rescue personnel. With a focus on applied research and field-testing, we're committed to the protection and enhancement of those who push themselves to extremes. We build gear that saves lives and fuels exploration.

pro.mustangsurvival.com

Mustang Survival and seahorse design are all registered trademarks of Mustang Survival Corp.

Our commitment to quality has earned our Burnaby facilities ISO 9001 registration, the highest of all international standards. This is our guarantee you are receiving the ultimate in design and manufacturing.

HT0663 REV 20MAY2026