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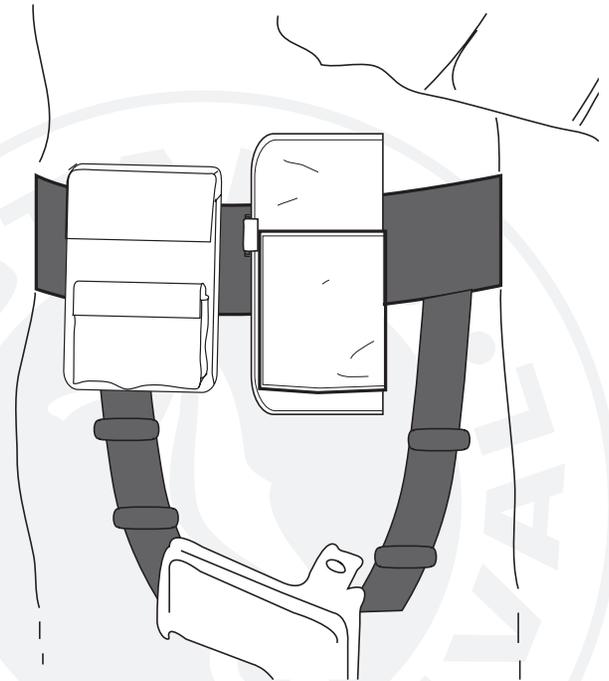
mustangsurvival.com

MUSTANG SURVIVAL



OWNER'S MANUAL

MD1250



TACTICAL INFLATABLE SIDE POUCH LP

WE SAVE LIVES FOR A LIVING

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INTRODUCTION

This manual provides instructions and guidelines for safely using and maintaining Mustang Survival MD1250 Tactical Inflatable Side Pouch Life Preservers (LPs).

The MD1250 LP provides flotation capability with minimum bulk or interference using separate, independently operated left and right LPs.

The MD1250 LP has been designed specifically for easy integration with law enforcement (LE) belts, and body armor and tactical vests, including integrated Pouch Attachment Ladder System (PALS) webbing and Modular Lightweight Load-carrying Equipment (MOLLE) vests.

The MD1250 LP inflates automatically on submersion using a manual/automatic hydrostatic inflator that significantly reduces the potential for accidental inflation due to humidity, sea spray, or wet storage.

When the hydrostatic inflator is submerged more than approximately four inches in water the water inlet valve opens letting water contact the water-sensitive element. The water-sensitive element releases a stainless steel coil spring that drives a needle into the end of the CO₂ cylinder, puncturing it and allowing CO₂ to fill the inflation cell.

Each MD1250 LP can be inflated manually by pulling the beaded manual inflation handle. The LP may also be converted to manual-only operation with the included automatic/manual conversion cap.

Backup or top-up manual inflation or buoyancy reduction can be accomplished using the oral inflator tube.

In-water performance tests with the MD1250 LPs attached to a typical body armor vest demonstrate the ability of the LPs to provide effective flotation and buoyancy.

Due to variances in local configuration, full gear in-water testing is strongly recommended to validate performance.

When worn, used, and serviced according to the instructions in this manual, Mustang Survival MD1250 Tactical Inflatable Side Pouch LPs can greatly increase a user's chance of survival in the water.

PRODUCT FAMILIARIZATION AND READINESS

The MD1250 Tactical Inflatable Side Pouch LPs are used in right/left pairs, and can be attached to an LE belt, or integrated PALS webbing and MOLLE vest. Right-hand LPs have the letter R on the attachment webbing straps (Figure 2); left-hand LPs have the letter L.

Figure 1 shows the front of a right-hand LP, locating the upper zipper (1), the elastic storage pocket (2), the automatic/manual conversion cap and lanyard (3) stowed in the elastic pocket, and the manual/automatic hydrostatic inflator (4).

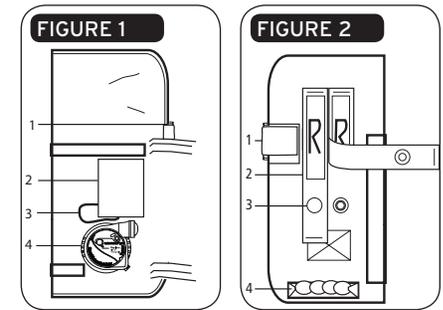
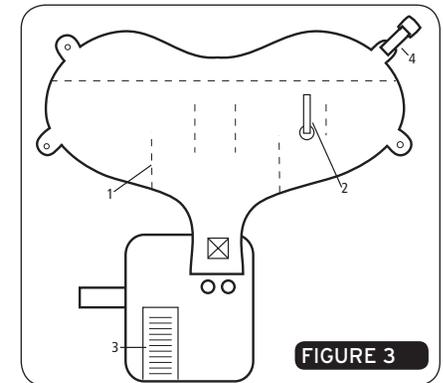


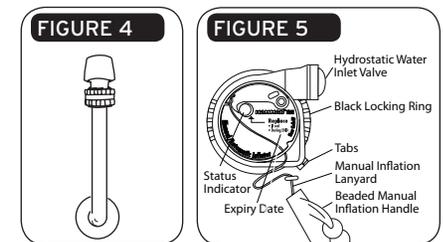
Figure 2 shows the back of a right-hand LP, locating the Velcro™ tab (1), the two attachment webbing straps (2), the locking pull-the-dot snaps (3), and the beaded manual inflation handle (4).

Figure 3 shows the open LP, locating the unfolded inflation cell with printed folding guidelines (1), the oral inflator tube (2), the Inspection Record tag (3), and the Velcro™ side attachment straps (4).



To become more familiar with the LP and its component parts:

1. Open the zippers completely, unfold the inflation cell, and place the LP on a clean, flat surface with the hydrostatic inflator face down (Figure 3).
2. Check and ensure the ring beneath the oral inflator tube mouthpiece is turned counterclockwise and the mouthpiece locked (Figure 4).
3. Turn the LP over and visually inspect the status indicator on the hydrostatic inflator (Figure 5). Green indicates that the inflator is armed and ready for use. Red indicates that the inflator has been fired and must be replaced – see Re-arming the LP.
4. Visually inspect the expiry date on the hydrostatic inflator (Figure 5). If the expiry date has passed, replace the inflator – see Re-arming the LP.
5. Repack the LP – see Repacking the LP.



Readiness Checklist

If the inflator expiry date has passed, Mustang Survival recommends water testing the MD1250 LP to become familiar with its in-water functionality.

When all boxes are checked, the LP is ready for use:

- Status indicator is green.
- Inflator expiry date has not passed.
- Fabric, straps, and hardware are free from defects.
- The beaded manual inflation handle is fastened.
- No rips, tears, or holes, and all seams are securely sewn.
- All zippers, Velcro™ tabs, and buckles are securely fastened.

NOTE: If there are any concerns about the readiness of the MD1250 LP, contact the Mustang Survival dealer.

WEARING THE LP

NOTE: Each MD1250 LP provides 35 lb of flotation (70 lb paired).

To avoid injury to the user or damage to the LP, the LP should never be worn under clothing or anything else that might restrict inflation.

To be fully effective, attach the LP to an LE belt or integrated PALS and MOLLE vest, ensuring that all belts, straps, and attachments are adjusted for a secure, comfortable fit. Improper attachment impedes LP effectiveness.

Using an LE Belt

The LP can be attached to an LE belt of up to three inches in width using the attachment webbing straps on the back of the LP.

1. Release the attachment webbing straps on the back of the LP by pulling up on each strap just below the bottom edge of the pull-the-dot snap.
2. Feed the attachment webbing straps on the back of the LP around the LE belt.
3. Reattach the pull-the-dot snaps by pushing down on the top edge of the snap opposite the dot.

Using Integrated PALS Webbing and a MOLLE Vest

WARNING: Suitable anchor points must be used for secure attachment.

The LP can be attached to integrated PALS webbing and a MOLLE vest using the attachment webbing straps on the back of the LP.

1. Lay the MOLLE vest down on a clean, flat surface with the front of the vest facing up.
2. Release the attachment webbing straps on the back of the LP by pulling up on each strap just below the bottom edge of the pull-the-dot snap.

3. Feed the attachment webbing straps on the back of the LP through the PALS webbing.
4. Reattach the pull-the-dot snaps by pushing down on the top edge of the snap opposite the dot.

INFLATING THE LP

WARNING: When using the MD1250 LP in temperatures below freezing, fully discharging the CO₂ cylinder may not provide adequate inflation. To compensate, use the oral inflator tube to top-up the LP.

NOTE: After inflating both MD1250 LPs, secure them to each other with the Velcro™ attachment straps on the forward edge of each inflation cell.

Manual Inflation

To manually activate the hydrostatic inflator, jerk firmly downward on the beaded manual inflation handle. The LP should inflate within five seconds.

Auto-Inflation

CAUTION: If the MD1250 LP has been manually inflated, CO₂ inflation could over-pressurize and damage it.

When submerged more than approximately four inches in water, the hydrostatic inflator releases CO₂ into the inflation cell, inflating the LP within five seconds.

Special Considerations

Auto-inflation of the LP may create a risk of damage under the following circumstances:

- Double inflation—CO₂ cylinder inflation after full oral inflation.
- Inflation while stored in a tight space.
- Inflation while in an awkward place or position.

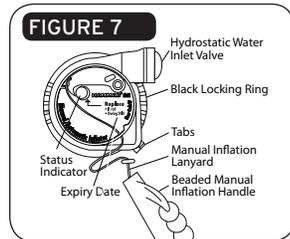
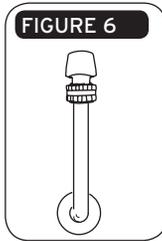
Oral Inflation

Although a properly armed LP will correctly inflate automatically, the inflation CO₂ escapes slowly through the fabric and a slight reduction in pressure is apparent several hours after inflation. Therefore, oral top-up inflation may be required during prolonged immersion (or in a non-emergency situation). To orally inflate the LP:

1. If necessary, open the zippers completely, and unfold the inflation cell.
2. Locate the oral inflator tube, and turn the locking ring clockwise to open the inflator valve and unlock the mouthpiece.
3. Press (and hold) the mouthpiece down, and blow into the tube until the LP is fully inflated.
4. Release the mouthpiece, and turn the locking ring counterclockwise to close the inflator valve and lock the mouthpiece in place.

DEFLATING THE LP

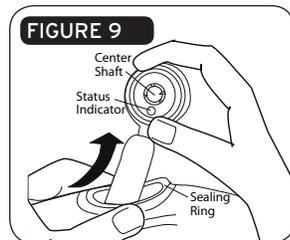
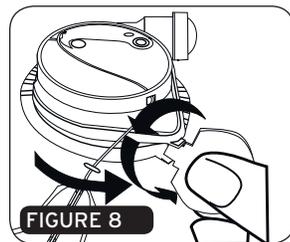
1. Locate the oral inflator tube, and turn the locking ring clockwise to open the inflator valve and unlock the mouthpiece (Figure 6).
2. Press (and hold) the mouthpiece down.
3. Gently squeeze the inflation cell until fully deflated, ensuring all air or CO₂ is removed.
4. Release the mouthpiece, and turn the locking ring counterclockwise to close the inflator valve and lock the mouthpiece in place.
5. Visually inspect the status indicator on the hydrostatic inflator (Figure 7). Green indicates that the inflator is armed and ready for use. Red indicates that the inflator has been fired and must be replaced – see Re-arming the LP.
6. Visually inspect the expiry date on the hydrostatic inflator (Figure 7). If the expiry date has passed, replace the inflator – see Re-arming the LP.
7. Repack the LP – see Repacking the LP.



RE-ARMING THE LP

CAUTION: The MD 1250 LP must be deflated before being re-armed.

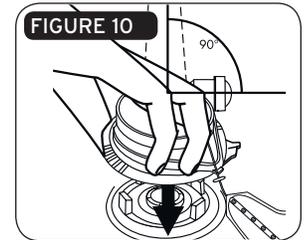
1. Open the zippers completely, wipe off any water, and place the LP on a smooth, flat surface with the hydrostatic inflator facing the user.
2. Hold the CO₂ cylinder through the fabric and insert the metal key between the black locking ring and the inflator cap.
3. Twist the key counter-clockwise to turn the black locking ring counter-clockwise to unlock it (Figure 8).
4. Lift off (and discard) the yellow inflator cap.
5. Elongate the inflation cell sealing ring by carefully squeezing it.
6. Remove (and discard) the inflator body (Figure 9).
7. Visually inspect the sealing ring for cracks, debris, or other damage. If damage is present, remove the LP from service for further inspection and assessment.



8. Ensure that the status indicator on the replacement inflator body is green, and the expiry date has not passed. If the status indicator is red, acquire a new inflator body.

CAUTION: Do not turn the small center shaft of the inflator body.

9. Insert the replacement inflator body inside the LP with the CO₂ cylinder pointing upward, and let the sealing ring rest on the adapter around the four lugs.
10. Hold the CO₂ cylinder through the fabric of the LP and position the replacement inflator cap with the hydrostatic water inlet valve pointing to the right ensuring that the inflator cap is properly seated on the inflator body and sealing ring (Figure 10).
11. While pressing firmly onto the inflator body, turn the black locking ring clockwise to the locked position, and pull on the inflator cap to ensure it is locked onto the inflator body.
12. Ensure that the status indicator on the replacement inflator cap is green, the lanyard for the beaded manual inflation handle is present, and the locking ring is locked.
13. To test for leakage, inflate the LP using the oral inflator tube – see Inflating the LP. To avoid damage to the LP do not use a compressor (the maximum pressure should not exceed 2 psi). After two hours there should be no noticeable drop in pressure in the LP.
14. Deflate and repack the LP – see Deflating the LP, and Repacking the LP.

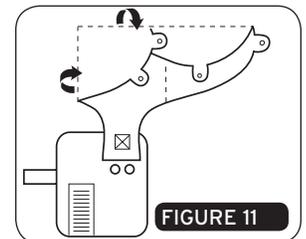


REPACKING THE LP

NOTE: After each field-use inflation, the MD1250 LPs must be rearmed, leak tested, and fully deflated before repacking.

Folding the Inflation Cell

1. Place the LP on a clean, flat surface with the hydrostatic inflator face down, and fold the inflation cell along each folding line in sequence, numbers 1–11 (Figure 11).
2. Carefully but firmly wrap the outer casing of the LP around the folded inflation cell, and reset and close the zippers.



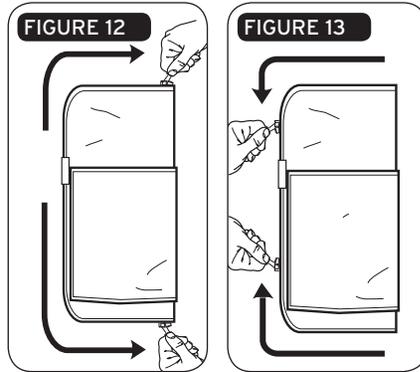
Resetting and Closing the Zippers

NOTE: Mustang Survival uses advanced SecureZip™ 2-step zippers.

When performing this procedure, ensure the inflation cell does not get caught in either zipper.

To reset and close the zippers:

1. Reset the zippers by pulling each zipper pull around to the zipper tape ends at the top and bottom of the LP (Figure 12).
2. Close the zippers by pulling each zipper pull back to the Velcro™ tab on the side of the LP (Figure 13), and fasten the tab to keep the zippers closed.
3. Feed the zipper tape ends into the small openings on the LP.



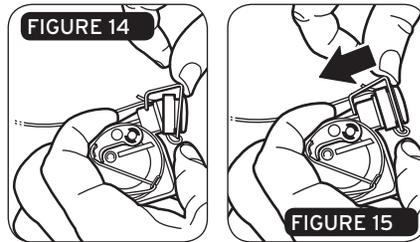
CONVERTING THE LP

NOTE: A fully armed MD1250 LP with an MA7219 auto/manual conversion cap is required for this procedure.

Any time complete manual control of inflation is required, the LP can be converted from manual/automatic inflation to manual-only inflation by attaching the automatic/manual conversion cap.

The conversion can be reversed by removing the conversion cap.

1. Open the Velcro cover with the hydrostatic inflator facing you.
2. Remove the conversion cap from the elastic storage pocket.
3. Position the conversion cap over the hydrostatic water inlet valve (Figure 14).
4. Secure the conversion cap to the water inlet valve by applying pressure to the conversion cap at the metal clip until it locks in place (Figure 15).



Reversing the Conversion

To reverse the conversion:

1. Remove the conversion cap by pulling firmly on the lanyard.
2. Store the conversion cap in the elastic storage pocket.

MAINTAINING THE LP

Before each use, review the Readiness Checklist – see Product Familiarization and Readiness.

NOTE: After each inflation, re-arm the MD1250 LP as soon as possible.

After each use, deflate, re-arm, and repack the LP – see:

- Deflating the LP
- Re-arming the LP
- Repacking the LP

Prior to Use

Visually inspect the LP between outings:

- Ensure the LP is properly armed.
- Ensure the LP is free of rips, tears, or holes.
- Ensure all seams on the LP are securely sewn.
- Ensure the fabric, straps, and hardware on the LP are free from any defects.

CAUTION: To avoid accidental inflation, do not allow the manual/automatic hydrostatic inflator to submerge.

General Tests and Inspections

Record all inspections in permanent ink on the Inspection Record tag inside the LP (Figure 16).

After each test or inspection, repack the LP – see Repacking the LP.

Perform the following inspections annually, after each inflation, or whenever the integrity of the LP is in doubt.

- Visually inspect all components for dirt or corrosion, and clean or replace as necessary.
- Visually inspect the LP for damage or excessive abrasion, wear, fabric tears, or contamination. Particular attention must be paid to the stitching, straps, and hardware.
- Visually inspect the status indicator on the hydrostatic inflator. Green indicates that the inflator is armed and ready for use. Red indicates that the inflator has been fired and must be replaced – see Re-arming the LP.
- Visually inspect the expiry date on the hydrostatic inflator. If the expiry date has passed, replace the inflator – see Re-arming the LP.

FIGURE 16

MUSTANG SURVIVAL
 MODEL: MD1250
 COMPACT TACTICAL
 LIFE PRESERVER
 CANADIAN or US COAST
 GUARD APPROVAL DOES
 NOT APPLY TO THE MD1250
 LIFE PRESERVER.
 Inflate your PFD and try it out
 in the water to make sure it
 floats you comfortably and
 adequately.
 SERIAL NO.
 LOT NO. XXXXXX
 DOM. XXXXXX
 INSPECTION RECORD

DATE	UNIT	INSP.

MADE IN CANADA L14092

Testing for Leaks

Perform this test every 180 days, or more frequently if the LP is exposed to potential damage or used in extreme conditions.

1. Orally inflate the LP until it is firm to the touch, and let it stand for two hours – see Inflating the LP. A leaking LP will not maintain its firmness.
2. If the LP is leaking, take it to a Mustang Survival dealer for evaluation or servicing.

Testing the Oral Inflation Valve

Perform this test every 180 days, or more frequently if the LP is exposed to potential damage or used in extreme conditions.

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

Testing the Manual Inflator

NOTE: A left/right pair of fully armed MD1250 LPs and two MA7214-10 re-arm kits are required for this test.

1. Don the LPs and manually inflate them by jerking firmly downward on the beaded manual inflation handle. Each LP should fully inflate within five seconds.
2. Enter water of an appropriate depth to keep the head above the surface.
3. Ensure the LPs float the user slightly back of vertical in a relaxed position with the mouth well above the surface of the water, and experiment with different leg positions to become familiar with changes in buoyancy and/or flotation characteristics.
4. Exit the water, remove the LPs, and completely deflate them – see Deflating the LP.
5. Let the LPs dry thoroughly, then re-arm and repack them – see Re-arming the LP, and Repacking the LP.

Testing the Automatic Inflator

NOTE: A left/right pair of fully armed MD1250 LPs and two MA7214-10 re-arm kits are required for this test.

1. Don the LPs.
2. Enter water of an appropriate depth to keep the head above the surface.
3. When submerged more than approximately four inches in water, the hydrostatic manual/automatic inflator releases CO₂ into the inflation cell, inflating the LP within five seconds.

4. Ensure the LPs float the user just slightly back of vertical in a relaxed position with the mouth well above the surface of the water, and experiment with different leg positions to become familiar with changes in buoyancy and/or flotation characteristics.
5. Exit the water, remove the LPs, and completely deflate them – see Deflating the LP.
6. Let the LPs dry thoroughly, then re-arm and repack them – see Re-arming the LP, and Repacking the LP.

CAUTION: If in doubt about self inspection and servicing of the MD1250 LP in accordance with these instructions, or of any test or inspection results, take the LP to a Mustang Survival dealer for professional servicing.

CLEANING AND STORING THE LP

CAUTION: To avoid accidental auto-inflation when cleaning the MD1250 LP, do not submerge it in water and do not spray liquid on the inflator.

NOTE: Do not dry clean the MD1250 LP.

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

ACCESSORIES

MA7214-10	Re-Arm Kit: 33 gram CO2 replacement cylinder and inflator cap (two kits required for each pair of MD1250 LPs)
MA7219	Auto/Manual Conversion Cap

GLOSSARY

Term	Definition
LP	Life preserver
MOLLE	Modular Lightweight Load-carrying Equipment
PALS	Pouch Attachment Ladder System
psi	Pounds per square inch