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**NOTE: Oral inflation may cause the Inflatable PFD to break-out suddenly (loudly) if any of the zippers are closed.**

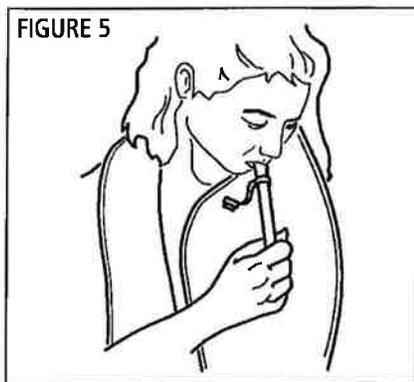
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ii. Locate the oral inflation tube by opening the wearer's left front panel of the Inflatable PFD. Remove the dust cap from the end of the oral tube and blow into the tube until the Inflatable PFD is fully inflated.

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**WARNING: Avoid double inflation (CO<sub>2</sub> cylinder inflation after full oral inflation) as it could damage the PFD.**

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## Special Considerations for Inflatable Devices

The Inflatable PFD might not be armed when needed, either knowingly or unknowingly. Inadvertant inflation causes several risks that you must address to avoid drowning. Much less common but also important are:

- 1) Double inflation (CO<sub>2</sub> cylinder inflation after full oral inflation) could damage the Inflatable PFD,
- 2) Inflation when stored in a tight space could damage the Inflatable PFD, and
- 3) The Inflatable PFD could inflate when you are in an awkward place or position.

If this Inflatable PFD should inflate inadvertently, a re-arm kit (MA7214) is required to re-arm the device.

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**IMPORTANT: The Inflatable PFD should be re-armed according to the instructions (Re-arming Your PFD, p. 9).**

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## Deflating the Inflatable PFD

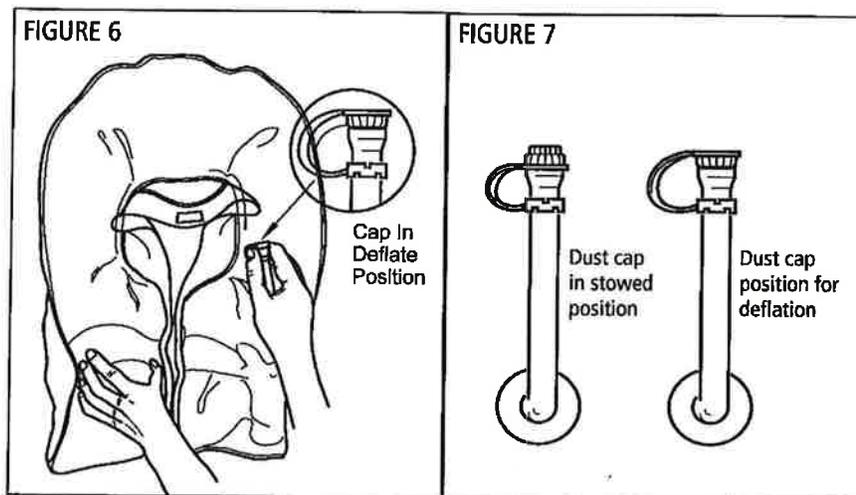
- 1) To deflate the Inflatable PFD, reverse the oral-inflation tube dust cap and insert it into the valve or depress valve with fingertip. The dust cap will not lock in the deflate position so it is necessary to hold it in place (Fig. 5).
- 2) Gently squeeze the Inflatable PFD until all air or gas has been expelled. To avoid damage; do not wring or twist the Inflatable PFD. Put the inflation tube dust cap back in its stowed position on the oral inflation tube (Fig. 6).

**IMPORTANT: Ensure all air has been removed from the PFD.**

- 3) Examine the single point status indicator (Fig. 1). If the indicator is red, the mechanism has been fired and the inflator requires service (see Re-arming your PFD, p. 9).

**IMPORTANT: The single point status indicator must be green before proceeding.**

- 4) Your device is ready to be repacked (see Repacking p. 13).



## Usage Below Freezing

When the temperature is below freezing, the Inflatable PFD should be worn partially inflated because a fully discharged cylinder may not quickly or adequately inflate your Inflatable PFD. Under these conditions use the oral inflator to adequately top-up the PFD, after CO<sub>2</sub> inflation.

1) **Before Each Use:**

- i) Examine the single point status indicator through the window panel, ensuring it is green. If the indicator is red, the mechanism requires service. See Re-arming Your PFD, p. 9.
- ii) Ensure the manual pull-tab is accessible.
- iii) Visually examine your Inflatable PFD for damage or excessive abrasion, wear, tear or contamination. Particular attention must be paid to the stitching, straps and hardware. If in doubt, send it to your Mustang dealer for evaluation and/or servicing.

2) **Every Two (2) Months:**

- i) **Leak Test:** The Inflatable PFD should be tested for general leakage by orally inflating your Inflatable PFD until firm and let stand 16 hours. A leaking Inflatable PFD will not hold its firmness and should be replaced. If your Inflatable PFD leaks, take it to your Mustang dealer for evaluation and/or servicing. Repack the Inflatable PFD as outlined in the Repacking section (p. 13).
- ii) **Oral Inflation Valve Test:** To check the oral inflation valve, fully inflate the Inflatable PFD using the oral inflator and hold valve under water. If bubbles appear, deflate and re-inflate to test again. Should the leak persist, take your Inflatable PFD to your Mustang dealer for evaluation and/or servicing.

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**CAUTION: To avoid accidental inflation, don't allow the water to contact the hydrostatic inflator.**

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- iii) Perform a thorough visual examination. See **Readiness Checklist** (p. 3).

Perform these tests more often if exposed to potential damage or used in extreme conditions.

3) **After Each Inflation** - Re-arm the Inflatable PFD. See Re-arming Your PFD, p. 9.

4) **Annually** - Perform the following at the beginning of each boating season, after inflation, or whenever the integrity of the Inflatable PFD is in doubt:

- i) Check all components for dirt or corrosion. Clean or replace, as necessary. See **Readiness Checklist** (p. 3).

- ii) Visually examine your Inflatable PFD for damage or excessive abrasion, wear, tear or contamination. Particular attention must be paid to the stitching, straps and hardware. If in doubt, send it to your Mustang dealer for evaluation and/or servicing.
- iii) Perform the Oral Inflation Valve Test: See the Oral Inflation Valve Test in the Every Two (2) Months Care and Maintenance Instructions section.
- iv) Perform the Leak Test. See the Leak Test in the Every Two (2) Months Care and Maintenance Instructions section.
- v) Ensure the current date is not past the date on the inflator. If it is, replace the inflator (see Re-arming Your PFD, p. 9).
- vi) Ensure the single point status indicator is green (Fig. 1).
- vii) Record as an "Annual" inspection in permanent ink on the Care and Storage label, in the Date Maintained column.

Repack the Inflatable PFD as outlined in the Repacking section (p. 13).

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**WARNING: If you are not confident in the self-inspection and servicing of your Inflatable PFD in accordance with these instructions, take your Inflatable PFD to a Mustang dealer for professional servicing or contact Mustang Survival (see contact information on back of manual).**

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## Cleaning and Storing of Your Inflatable PFD

To avoid inflation, do not submerge the Inflatable PFD or directly spray the inflator. Hand wash or sponge down the Inflatable PFD in warm, soapy water. Rinse the PFD and inflator with clean water, using a clean rinse cloth. Hang the Inflatable PFD to dry on a plastic coat hanger. Do not dry clean.

Always store your Inflatable PFD in a warm, dry place out of direct sunlight.

## HOW AND WHY TO TEST YOUR PFD

Inflate your Inflatable PFD and try it out in the water to:

- Make sure it floats you:
  - Comfortably (when worn properly)

- Adequately for expected wave conditions (body shapes/ densities affect performance)
- Make sure it works:
  - A flow of bubbles should not appear (see CARE AND MAINTENANCE INSTRUCTIONS for leak tests p. 17). It should inflate quick and easily.
- Learn how it works by:
  - Activating the CO<sub>2</sub> inflation system
  - Re-arming the CO<sub>2</sub> inflation system
  - Using the oral inflator tube

## HOW DO YOU TEST YOUR PFD USING THE AUTOMATIC INFLATOR?

The U.S.Coast Guard recommends that you purchase at least two spare re-arming kits (MA7214).

- 1) To test your Inflatable PFD, you will need your fully armed Inflatable PFD, and re-arming kit (MA7214) approved for your Inflatable PFD
- 2) Put on the Inflatable PFD.
- 3) Get into shallow water, just deep enough that you can stand with your head above the surface. Once the inflator is underwater, 4 inches or so, the Inflatable PFD should fully inflate automatically within 5 seconds.
- 4) See if the Inflatable PFD will float you on your back or just slightly back of vertical. In a relaxed floating position, verify that your mouth is well above the water's surface. Note the effect of where you hold your legs on how you float.
- 5) Get out of the water and remove the Inflatable PFD.
- 6) Deflate the Inflatable PFD by depressing the oral inflator valve (see Deflating the Inflatable PFD p. 7). Remove the used inflator.
- 7) Let the Inflatable PFD dry thoroughly. Re-arm (p. 9) and Repack the PFD (p. 13).

## HOW DO YOU TEST YOUR PFD USING THE MANUAL INFLATOR?

The U.S.Coast Guard recommends that you purchase at least two spare re-arming kits (MA7214).

- 1) To test your Inflatable PFD, you will need your fully armed Inflatable PFD, and re-arming kit approved for your Inflatable PFD: MA7214.
- 2) Put on the Inflatable PFD.
- 3) Actuate the inflation system by jerking firmly downward on the pull-tab. The Inflatable PFD should fully inflate within 5 seconds.
- 4) Get into shallow water, just deep enough that you can stand with your head above the surface.
- 5) See if the Inflatable PFD will float you on your back or just slightly back of vertical. In a relaxed floating position, verify that your mouth is well above the water's surface. Note the effect of where you hold your legs and how you float.
- 6) Get out of the water and remove the Inflatable PFD. Completely deflate the Inflatable PFD using the oral inflator (see Deflating the Inflatable PFD p. 7).
- 7) Let the Inflatable PFD dry thoroughly. Re-arm (p. 9) and Repack the PFD (p. 13).

## HOW DO YOU TEST YOUR PFD USING THE ORAL INFLATOR?

This test is not mandatory, however may be conducted using the following procedure.

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**WARNING: Use only a previously fired hydrostatic inflator to perform this test . DO NOT test with a fully armed hydrostatic inflator as double inflation may occur, possibly resulting in cell damage.**

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- 1) No spare parts or re-arming kits are needed to test your Inflatable PFD.
- 2) Put on the Inflatable PFD.

- 3) Get into shallow water, just deep enough that you can stand with your head above the surface.
- 4) If you are a weak swimmer or non-swimmer, inflate the Inflatable PFD partially so that you are supported well enough to be able to complete inflation without touching bottom, either orally or manually. Note this level of inflation because it is the minimum needed for you to safely use this Inflatable PFD.
- 5) Fully inflate the Inflatable PFD using the oral inflator.
- 6) See if the Inflatable PFD will float you on your back or just slightly back of vertical. In a relaxed floating position, verify that your mouth is well above the water's surface. Note the effect of where you hold your legs and how you float.
- 7) Get out of the water and remove the Inflatable PFD. Completely deflate the Inflatable PFD using the oral inflator (see Deflating the Inflatable PFD p. 7).
- 8) Let the Inflatable PFD dry thoroughly. Re-arm (p. 9) and Repack the PFD (p. 13).

## WEAR YOUR PFD

In approximately 80 percent of all boating fatalities, the victims were not wearing a PFD. Most fatal accidents happen on calm sunny days. This Inflatable PFD is much more comfortable to wear than other PFD types. Get into the habit of wearing this Inflatable PFD.

Non-swimmers and children especially should wear a hybrid or non-inflatable PFD at all times when on or near the water.

## HYPOTHERMIA

Prolonged exposure to cold water causes a condition known as hypothermia - a substantial loss of body heat, which leads to exhaustion and unconsciousness. Most drowning victims first suffer from hypothermia. The following chart shows the effects of hypothermia: how hypothermia affects most adults.

### How hypothermia affects most adults

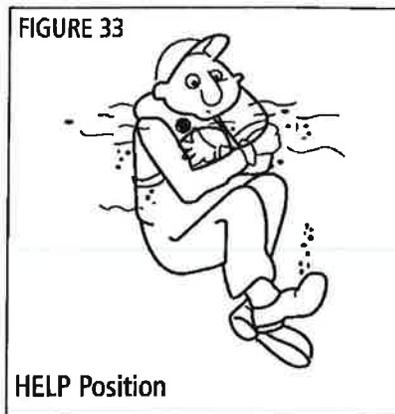
Water Temperature °C (°F)	Exhaustion or Unconsciousness	Expected Time of Survival
0.3 (32.5)	Under 15 min.	Under 15–45 min.
0.3–4 (32.5–40)	15–30 min.	30–90 min.
4–10 (40–50)	30–60 min.	1–3 hrs
10–16 (50–60)	1–2 hrs.	1–6 hrs.
16–21 (60–70)	2–7 hrs.	2–40 hrs.
21–27 (70–80)	2–12 hrs.	3 hrs. to Indefinite
over 27 (over 80)	Indefinite	Indefinite

PFDs can increase survival time because they allow you to float without using energy treading water and because of their insulating properties. Naturally, the warmer the water, the less insulation you will require. When operating in cold waters [below 60°F (15.6°C)] you should consider using a coat or jacket style PFD or a Type V Thermal Protective PFD as they cover more of the body than the vest or belt style PFDs.

Some Points to Remember About Hypothermia Protection:

- 1) Always wear your Inflatable PFD. Even if you become incapacitated due to hypothermia, the Inflatable PFD will keep you afloat and greatly improve your chances of rescue.
- 2) Do not attempt to swim unless it is to reach a nearby craft, fellow survivor, or a floating object on which you can lean or climb. Swimming increases the rate of body heat loss. In cold water, drown-proofing methods that require putting your head in the water are not recommended. Keep your head out of the water. This will greatly lessen heat loss and increase your survival time.
- 3) Use the standard H.E.L.P. position when wearing an Inflatable PFD, drawing the legs up to a seated position, because doing so will help you conserve body heat (Fig. 32).
- 4) Keep a positive attitude about your survival and rescue. This will improve your chances of extending your survival time until rescued. Your will-to-live does make a difference!
- 5) If there is more than one person in the water, huddling is recommended while waiting to be rescued. This action tends to

reduce the rate of heat loss and thus increase the survival time.



## EACH OF THESE DEVICES IS INTENDED TO HELP YOU SAVE YOUR OWN LIFE

For your Inflatable PFD to function properly, follow these suggestions to verify that it fits, floats, and remains in good condition.

- 1) Check the single point status indicator before each use.
- 2) Get in the habit of re-arming the inflation mechanism right after each inflation.
- 3) Try your wearable Inflatable PFD on and adjust it until it fits comfortably in and out of the water.
- 4) Mark your Inflatable PFD with your name if you are the only wearer.
- 5) Do not alter your Inflatable PFD. If it doesn't fit properly, get one that does. An altered device is no longer Coast Guard approved.
- 6) Your Inflatable PFD is not intended for use as a fender or kneeling pad.
- 7) If your Inflatable PFD is wet, allow it to dry thoroughly before storing it. Store it in a well-ventilated area.
- 8) Do not dry your Inflatable PFD in front of a radiator or other source of direct heat.

## Inflatable PFD Safety Accessories

MA7214 Re-arm Kit contains 33-gram replacement CO<sub>2</sub> cylinder inflator.

### ADDITIONAL INFORMATION

If you need more information about PFDs and safe recreational boating, contact your state boating authority, U.S. Coast Guard Auxiliary, U.S. Power Squadron, Red Cross, or your nearest unit of the U.S. Coast Guard; or call the CG Customer InfoLine at 1-800-368-5647 or the free boating course number 1-800-336-BOAT (in VA, 1-800-245-BOAT).

### DO NOT ATTACH PFD'S TO YOUR BOAT

Each PFD has straps, hooks, buckles, or other means for securing the device in place on the wearer. Some PFDs also incorporate decorative d-rings or tabs. Such items are not to be used to attach the device to the boat. Attaching the device to the boat will not permit it to perform as intended.

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**NOTE: Model MD3184 has a built-in sailing harnesses intended for attaching to boats with quick-release under-load tethers secured to both d-rings (see Sailing Harness p. 16). Do not attach the MD3184 to boats using any other means.**

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### AIRLINE OPERATOR POLICY ON CARRIAGE OF INFLATABLE PFDS AND CO<sub>2</sub> CARTRIDGES

Please be aware that the following regulations apply to the air transport of this product. According to U.S. Research and Special Programs Administration Regulations Title 49 CFR 75.10(a)(25): With the approval of the aircraft operator, one small carbon dioxide cylinder fitted into a self-inflating jacket, plus one spare cartridge, may be carried by a passenger or crew in checked or carry-on baggage.

Please refer to the governing body's documentation, found online at <http://hazmat.dot.gov>.