



INFLATABLE PFD'S

Instructions for Annual Self Inspection

Only to be used for jackets in recreational use.

Every twelve months it is required that your jacket be inspected and tested, to make sure all is in working order. Please follow the 10 step test plan and complete the test form.

- Please read this document fully and ensure that you understand what is required before you start. If you do not understand or do not feel that you can complete all required tasks please take your jacket to an authorised service agent.
- During the self inspection certain replacement parts may be required. Depending on your model of jacket a green indicator clip, gas cylinders or automatic firing cartridges may need replacing.
- If your Inflatable PFD or a component fails any test listed below the PFD must be taken to an authorised service centre for further testing.



Step One- Visual Inspection

1. Open jacket inflator pocket and remove cylinder: Inspect for rust or corrosion, clean and put to one side if all is OK
2. Visually check the outside red cover to see there is no wear or damage
3. Check all stitching, buckles and closures to see all are intact and working correctly
4. Open jacket and check yellow inner fabric is not damaged
5. Check all reflective tape is stuck down and not peeling away
6. Check oral inflator tube is not damaged.
7. Check whistle.



Step two – Test Bladder

1. Inflate bladder by mouth through oral inflate tube, until bladder is fully inflated and firm
2. Leave bladder inflated overnight or for at least 12 hrs. This should be done in an area of stable temperature. Around 20 deg C is best. (If the temp drops over night it will affect pressure, so make sure the temp remains constant)
3. After at least 12 hrs, check that the bladder is still firm and there is no visible loss of pressure.

If bladder has lost pressure do not attempt to repair. Send jacket to an authorized service centre for proper assessment and repair.



Step Three - Oral Inflator Check

1. Check inflator valve operating correctly by blowing a small amount of air into the bladder then by inverting the cap in to the oral tube to release the valve, and expel all air (Fig 2). Do not insert anything into the valve except the inverted cap.
2. Look for any damage or cracks around or on the Tube (Fig 1).

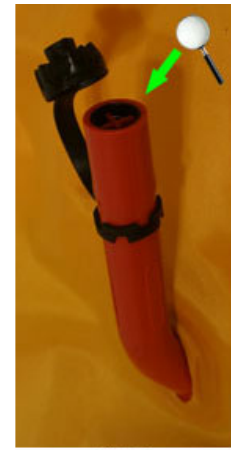
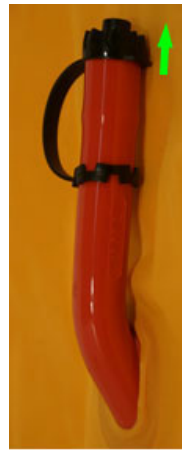


Fig 1

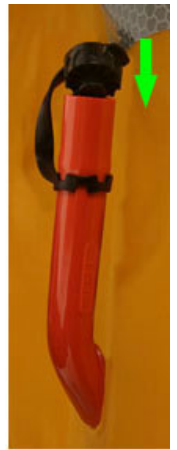
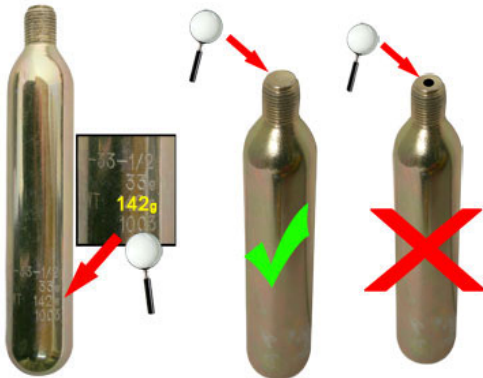


Fig 2



Max +/- 2.0g, Cylinder weight 142.5g,
OK as gross weight on cylinder is 142g



Max +/- 2.0g, Cylinder weight 138.5g,
cylinder is underweight as gross weight on
cylinder is 142g. Cylinder must be disposed of.

Step Four - Co2 Cylinder Inspection

1. Check cylinder is intact and not punctured.
2. Weigh cylinder to ensure that it is full. The cylinder must weight within 2 grams of the gross weight shown on the cylinder. This will need accurate scales that can measure down to 1 gram (supermarket scales are ideal). If it is not possible to weight cylinder this accurately then the cylinder must replaced with a new one. Record original gross weight and the actual weight on the self test form. If the cylinder is damaged or weight is lower than gross weight minus 2 grams then cylinder must be replaced.

If cylinder does not conform in any way or has been punctured, dispose of it immediately and replace with new cylinder.

DO NOT REPLACE CYLINDER ON JACKET YET



UML PRO SENSOR MANUAL



UML MINI MANUAL

Step Five - Manual Firing Mechanism Inspection

(Manual Operated jackets only)

1. Check firing mechanism is working correctly, pull cord and see if cutter pin rises proud of the internal base of the mechanism.
2. UML Mini Inflator - Green arming clip must be replaced with a new one as the old clip will have been damaged when removed from inflator.
3. UML Pro Sensor inflator. - screw checked CO2 cylinder into place and confirm the red indicator changes to green when cylinder is screwed fully in. (If an automatic model the upper indicator must change from red to green.)

Step Six - Auto Inflate Mechanism Inspection (Automatic Operated jackets only)

1. Unscrew anti clockwise the automatic activation cartridge from the bottom of the inflator
2. Check cartridge is clean and dry
3. Check expiry date. If expiry date of cartridge is within the next 12 months replace with a new cartridge now
4. Once all steps above are completed, screw cartridge clockwise onto firing mechanism, making sure all threads are correct, and tighten by light hand force only.
5. Check that the lower indicator on the body of the inflator is now green. If the indicator is red, the cartridge is no good and must be replaced with a new cartridge.



Step Seven - Replace Co2 Cartridge.

1. If jacket and inflator has passed all tests replace cylinder
2. When fitting cylinder hold mechanism firmly and screw cylinder into it clockwise direction, hand tighten only until firmly into position.

Step Eight - Record Inspection on your PFD

If your jacket has passed all the self inspection points required please record with a permanent marker, the following on the inspection certificate locate near the inflator mechanism.

Using the prefix ST (Self Test) record the date as follows ST-DD-MM-YY where DD-MM-YY is today's date. If the date when you self test is 14-07-2010 record "ST 140710" on the service label

	1	2	3	4	5	6
	7	8	9	10	11	12
	2009		2010		2011	
SERIAL NUMBER						
ST 140710						
= 1 PER ANNUM						
33g CO₂ Cylinder						
Keep Cylinder away from heat						

Step Nine - Repack your PFD

Repack your PFD ensuring that all the air has been removed from the bladder. Ensure that the inflator pull cord is free and not tangled.

Step Ten - Complete Self Test Form

Ensure all information on the self test form has been completed and that you have signed and dated it. Take note of the date of the next self test and record it so that you will not forget to test your jacket. It is a good idea to place this certificate or a copy in your boat in the case that you have an on-water safety inspection. This will be your evidence that your jacket is in a serviceable condition.

Spare Parts

Parts are available from the retail outlet where you purchased your jacket or direct from AXIS PFDs at www.axispfd.com.au (freight charges will apply).

PART NO.	DESCRIPTION	REC. RETAIL inc GST
601990	33gm 1/2" gas cylinder - all models	\$16.95 inc GST
601993	Re-arm clip UML Mini Inflator - use with Offshore 150	\$2.95 inc GST
601991	Automatic cartridge UML Pro Sensor Inflator - use on Ocean 150 Auto	\$24.95 inc GST
601995	Reflective Tape Kit - 60cm (3 x 20cm self adhesive strips)	\$9.95 inc GST

AXIS Inflatable Jacket Self Inspection Certificate

This self inspection certificate is for recreational use only, **NOT** Commercial use PFD's

Please carefully read the instructions on how to test your PFD, follow them carefully and record your results on this form. If at any stage there is a fail, you must either replace the faulty component or if that is not possible please send it to an accredited service centre for repairs.

DO NOT ATTEMPT ANY REPAIRS YOURSELF.

Product Model	Serial Number*	Batch No and date of manufacture

Date of last service, or if it is the first, Date of purchase	YY	MM

*If no serial number is available use boat registration number or mobile phone with the prefix of either "ST" or name initials.

Check each step in the appropriate box, Pass or Fail or if not applicable (NA)

1	General Inspection	Pass	Fail
1-1	Open inflator pocket and remove cylinder, inspect for rust or corrosion		
1-2	Visually check outside cover for any signs of wear or damage		
1-3	Check stitching, buckles and closures to see if all intact and working		
1-4	Check bladder is not damaged		
1-5	Check reflective tape is stuck down and not peeling away		
1-6	Check oral tube is not damaged		
1-7	Check whistle, make sure it works when you blow in it		

2	Bladder Test	Pass	Fail
2-1	Inflate bladder by mouth, leave inflated overnight or at least 12 hours, after at least 12 hours check bladder is still firm and there is no visible loss of pressure.		

3	Oral Inflator Test	Pass	Fail
3-1	Check oral inflator valve is operational		
3-2	Check oral tube for damage or cracks		

4	Cylinder Inspection	Pass	Fail			
4-1	Check cylinder is intact and not punctured					
4-2	Weigh cylinder, record original gross weight (marked on cylinder) and actual weight					
4-3	Cylinder Check	Record	Gross Weight	Actual Weight		

5	Manual Firing Mechanism	Pass	Fail
5-1	Check firing mechanism is working correctly		
5-2	Replace green arming clip (<i>UML Mini Inflator only</i>)		
5-3	Screw checked cylinder into place and confirm red indicator changes to green when cylinder is fully screwed in (<i>UML Pro Sensor Inflator only</i>)		

6	Auto Inflate Mechanism (<i>Automatic Operated Jackets only</i>)	Pass	Fail
6-1	Check Automatic activation cartridge is clean and dry		
6-2	Check cartridge expiry date		
6-3	Screw cartridge onto firing mechanism, check lower indicator on body of inflator is green		

7	Refit CO2 Cylinder		
8	Record inspection of the PFD on your jacket using permanent marker		
9	Repack your PFD		
10	Complete self test form		

I hereby certify that this PFD has been inspected and serviced in accordance with the AXIS annual self inspection instructions described in steps 1-9

NAME: _____

SIGNATURE: _____

YY	MM
Next Inspection Date	