

# 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. It is recommended that every third service on recreational use jackets be performed by an authorised agent. 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.



### UML MK5 Automatic



## Step One- Visual Inspection

1. Check all stitching, buckles and closures to see all are intact and working correctly.
2. Visually check the outside cover to see there is no wear or damage
3. Open jacket and remove cylinder from inflator.  
Jackets made after June 2013 have step by step fold lines. If your jacket pre dates this, take careful note to how bladder folds into pack.
4. Check bladder for any signs of obvious damage, ie abrasions, cuts, holes etc.
5. Check all reflective tape is stuck down and not peeling away
6. Check oral inflator tube is not damaged.
7. Check whistle which will be located on oral tube. Check function by blowing through it sharply.



## Step Two - 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).

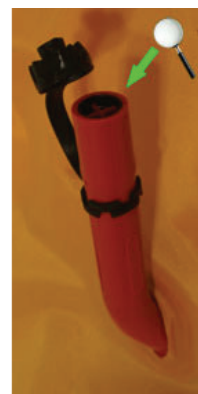
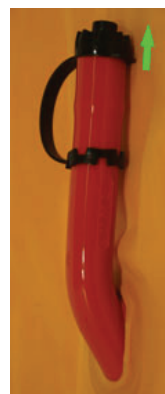


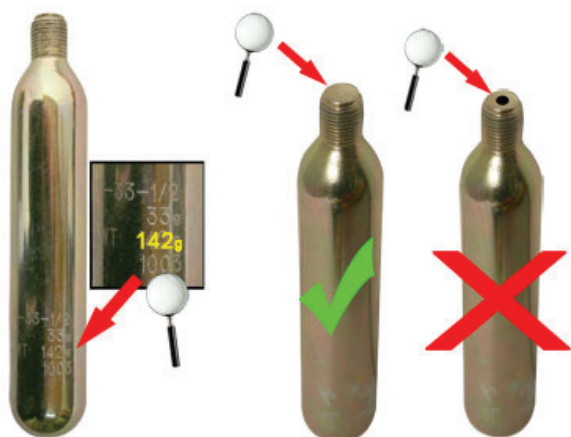
Fig 1

Fig 2

## Step Three – 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 assessment. It is not possible to repair a damaged bladder, ie. hole, abrasion etc.**



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.

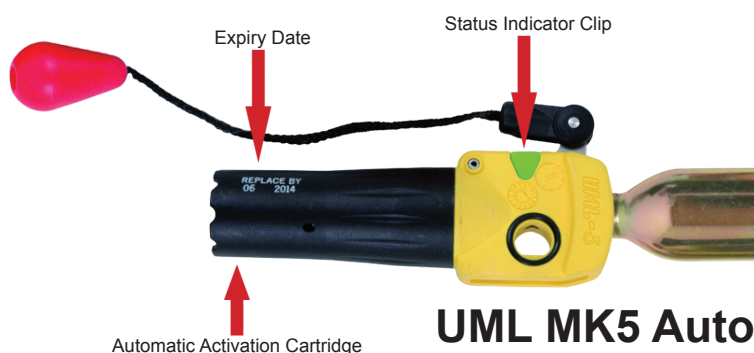
(Depending on the model of your jacket, your cylinder may/  
will be different in weight to the one shown in the diagrams.)

## Step Four – Co2 Cylinder Inspection

1. Check cylinder is intact and not punctured.
2. Check cylinder for any signs of rust or corrosion, if any sign of rust or corrosion is present, cylinder must be discarded and replaced with a new one.
3. 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 MK5 Automatic**

## Step 5 - Auto Inflate Mechanism Inspection

*(Automatic Operated jackets only)*

1. Unscrew anti clockwise the automatic activation cartridge from the bottom of the inflator
2. Check status indicator clip is not damaged and is located in correct position. If status indicator clip is missing or shows any sign of damage, it must be replaced.
3. Check cartridge is clean and dry
4. Check expiry date. If expiry date of cartridge is within the next 12 months replace with a new cartridge now
5. 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.











## Step Six – 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.
3. Ensure correct size gas cylinder is used. All bladders show required size of gas cylinder beside of near the inflator mechanism.

## Step Seven – 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 12-08-2014 record "ST 120814" on the service label

		Date of Manufacture	
		Serial Number	
	<b>ST 120814</b>		
			
			
			
			
<small>First Service Due Within 2 Years of Date of Manufacture, Then Yearly Service Required. For Service Information Go To <a href="http://www.axispfd.com.au">www.axispfd.com.au</a></small>			
<b>WARNING: Gas cylinders are dangerous and must be kept away from children and not misused</b>			

## Step Eight – 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. If your jacket has marked fold lines , fold in number order, if your bladder does not have marked fold lines repack as you noted when unpacking in Step 1.

## Step Nine – 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 your Bargain Boat Bits store or at [www.bargainboatbits.com.au](http://www.bargainboatbits.com.au) (freight charges will apply).

PART NO.	DESCRIPTION	REC. RETAIL inc GST
601986	Automatic cartridge UML Pro Sensor & MKII Inflators	\$25.90 inc GST
609995	Reflective Tape Kit – 60cm (3 x 20cm self adhesive strips)	\$9.95 inc GST
601989	25gm Co2 Gas Cylinder (for 100N Jackets)	\$22.60 inc GST
609989	New MK5 Green Status Indicator Clips	\$2.95 inc GST

# ESSENTIAL 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	Check stitching, buckles and closures to see if all intact and working		
1-2	Visually check outside cover for any signs of wear or damage		
1-3	Open jacket and remove cylinder, inspect for rust or corrosion		
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	Oral Inflator Test	Pass	Fail
2-1	Check oral inflator valve is operational		
2-2	Check oral tube for damage or cracks		

3	Bladder Test	Pass	Fail
3-1	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.		

4	Cylinder Inspection	Pass	Fail				
4-1	Check cylinder is intact and not punctured						
4-2	Check cylinder for any sign of rust or corrosion, if present replace cylinder						
4-3	Weigh cylinder, record original gross weight (marked on cylinder) and actual weight						
4-4	Cylinder Check	Record	Gross Weight		Actual Weight		

5	Auto Inflate Mechanism ( <i>Automatic Operated Jackets only</i> )	Pass	Fail
5-1	Check Automatic activation cartridge is clean and dry		
5-2	Check cartridge expiry date		
5-3	Screw cartridge onto firing mechanism		

6	C02 Cylinder	Pass	Fail
6-1	Refit C02 Cylinder		
6-2	Replace green arming clip ( <i>UML MK5 Inflator only</i> )		

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

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

**NAME:** \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_

YY	MM
<b>Next Inspection Date</b>	