



**International Safety Products**

Sheet 1 of 5 Sheets

**SERVICE BULLETIN**

Service and Maintenance manual N° **All**

Bulletin N° **002/Jan/09**

Equipment affected:

All ISP manufactured Products including Lifejackets and Bladder Assemblies fitted with **Hammar Inflation Units only.**

Reason for issue:

Notification of Safety Information issued by the Manufacturer of **Hammar Inflators.**

Material required: N/A

This bulletin is effective:

From: Immediate

To: Until Further Notice


Instruction :

Please can you review (and circulate as deemed appropriate to all service personnel) and take appropriate actions as described in the following 2 page Safety Notice that has been issued by CM Hammar AB to our industry.  
The Safety Notice is accompanied by an earlier update issued by Hammar in 2005.

Authorised by:

Name (print): Paul Houghton

Title: Technical Manager

Signature: 

8<sup>th</sup> January 2009

All queries relating to this Service bulletin should be addressed to: Technical Dept,  
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## To all of our lifejacket manufacturers

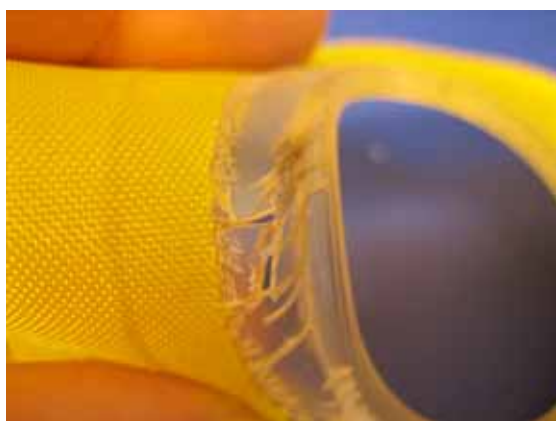
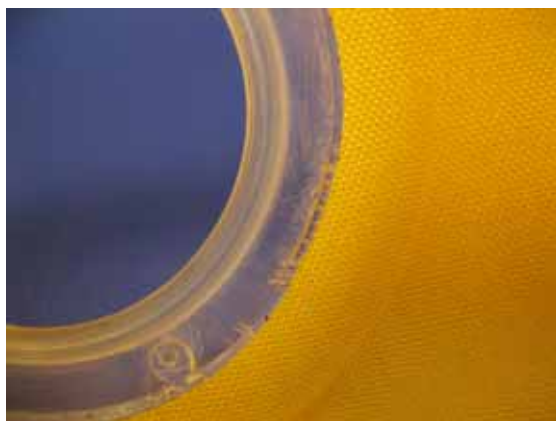
1/2.

### SAFETY INFORMATION

Västra Frölunda 2008-12-04

Please note following important safety information and inform all of your service net work as quickly as possible:

A small number of Sealing rings, manufactured before 2005/04 have, probably after being exposed to extreme environmental conditions (i.e. the life jacket is stored in very high temperature and moist environments ), experienced a premature degradation of the material. The Sealing Ring will become stiffer, change in colour and might in severe cases even crack or burst. The change does not happen "overnight" and can be detected at the regular service or inspections. Please also look at the attached photos:



The problem first came to our knowledge in the end of 2004. We examined the damaged Sealing Rings at SP, Chalmers and IFP (established Test Houses and Institute in Gothenburg). The results of the tests gave no reason for a recall or alarm, but revealed that new improved alternative material were available on the market. Based on the result of these examinations we altered our material and production process. We did send out a Technical Update 2005 (enclosed) where we informed about the change in material and design and also stressed the necessity of annual inspections.

**2/2.**

We have not heard about any problem of this kind since 2005, but the problem has now been noted again on a very small number of life jackets. We therefore urge any one who carries out service on life jackets carrying the Hammar Inflator to pay extra attention to the condition of the sealing ring at the yearly service. If you find any Sealing Rings with degraded material, please report this immediately back to CM Hammar AB. We will then, together with you, discuss how to handle the situation.

Best regards

**HAMMAR®****Jan Calvert**

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Encl. Technical Update 2005

# HAMMAR INFLATOR TECHNICAL UPDATE 2005

## SUMMARY OF TECHNICAL UPDATES DURING 2005

* January	Body part – change of piercing pin	Issue no. B616/4
* February	Auto Cap – new tooling for carrier and lock centre ring	Issue no. A861/10
* April	Sealing ring – changed design and PU material	Issue no. April 2005
* June	Auto cap – changed tooling	Issue no. A925/11
* June	Body – new protective cover to avoid chafe	Issue no. A945/11

## IMPORTANT TECHNICAL RECOMMENDATIONS:

### TECHNICAL SPECIFICATION

Gas cylinders – Hammar inflator has been tested with gas cylinders from the following manufacturers: Leland, ISI Components, Nittan and Safety Gas Cylinder. If you wish to use cylinders from other manufacturers than those mentioned we recommend that you test them at an approved laboratory.

**Production Testing** – should read as follows (increased level for acceptance)

“Batch testing is done for function (4% out of 500pcs) and penetration of a standard cylinder washer. Activation depth is recorded and saved for each tested unit.”

### TECHNICAL ADVICE

Water in – water has to have easy access to the automatic inflator. Do not overprotect the inflator as you may have to do with other systems. We want to emphasize the importance of this recommendation as it is important for a good performance in different conditions.

**Air out** – the air around the inflator must have a possibility to escape in the upper part of the lifejacket. The cover should not be too tight! An open part in the Velcro or some small holes in the cover in the top part will ensure easy escape of the air.

**Internal testing** – it is important that the Hammar testing procedure is followed after every new development or change of the lifejacket. Please also refer to part “Product compatibility and approvals”

## WELDING INSTRUCTIONS

**Sealing ring design** – the three small “ears” on the outer diameter of the sealing ring are moulding inlets and has been moved there to achieve a more optimized moulding process.

**Sealing ring PU quality** – the PU supplier was changed at the same time, as the old supplier had discontinued with production of our required PU quality. The change can be noted by a slightly clearer colour of the PU than the old quality. We would recommend that your welding settings should be checked and verified with the new sealing ring. A good welded sealing ring should be flat and strong i.e. it is important to verify that the PU of the sealing ring and the fabric has laminated together well.

# DON'T FORGET THE ANNUAL SERVICE OF YOUR LIFEJACKET

## IMPORTANT INFORMATION

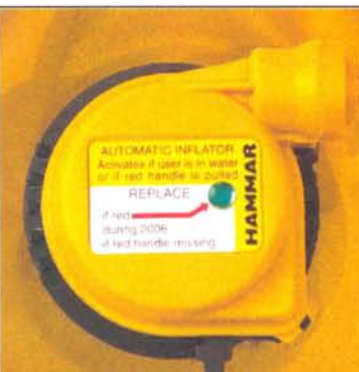
## DON'T FORGET THE ANNUAL SERVICE ON YOUR LIFEJACKET!



MCA – Maritime and Coastguard Agency strongly recommends that you service your lifejacket regularly at a professional and qualified service station, at least on a yearly basis. The lifejacket is a friend that might one day help to save your life.

This **recommendation** applies for CE approved lifejackets according to EN standards. SOLAS approved lifejackets **must** be serviced every 12 months according to the IMO regulation to be approved and accepted by the authorities.

If you have any questions we recommend you to ask your nearest service facility, dealer or C.M. Hammar directly at [info@cmhammar.com](mailto:info@cmhammar.com) and we will be pleased to answer your questions.



### PERIODICAL CHECKING

- Check that the single point indicator is green
- Check that the expiry date is within the limit
- Check that the red handle is attached

### CHECK THAT THE GAS CYLINDER

is firmly tightened by holding it through the lifejacket fabric. We recommend this checking to be part of the donning procedure.

- The frequency of the checking must take into account:
- Frequency and duration of use
- Activity level of the individual wearing the lifejacket
- Lifejackets using 60 grams cylinders due to the increased diameter
- Check also any specific instructions from the lifejacket manufacturer



### INFLATE YOUR JACKET

If your lifejacket (PFD) has been used and/or the Hammar inflator replaced, always inflate the jacket through the oral tube and check that it stays inflated at least overnight. Empty the lifejacket (PFD) again by pushing in the non-return valve in the top of the oral tube and press out ALL RESIDUAL AIR from the bladder, so that the jacket may be folded properly.