

SOS DAN BUOY

INSTRUCTION MANUAL

TESTED TO ELEMENTS OF ISO 12402

Model No. SOS -6375

INTERNATIONAL PATENT

PCT/AU2010/000397

**WHEN THE SECONDS COUNT
DON'T BE SECOND BEST**

**Just throw...
It automatically inflates**

Automatically inflates using 33 gram CO² Cylinder



READY-TO-GO MAN OVERBOARD SAFETY DEVICE

Manufactured in Australia

SOS Marine Survival Operations Specialists

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WWW.SOSMARINE.COM



Thank you for your purchase of the SOS Dan Buoy, a high quality, patented safety device, manufactured by SOS Marine, Australia.

IMPORTANT INFORMATION

The information contained within this manual provides all necessary details you need to fit, service, re-arm and store your SOS Dan Buoy rescue marker.

It is important that you understand thoroughly your SOS Dan Buoy, its features and how to ensure it performs as intended throughout its working life.

Please read this leaflet carefully and keep it in a safe and accessible place.



FAILURE TO COMPLY WITH THESE INSTRUCTIONS COULD IMPAIR THE PERFORMANCE OF THE SOS DAN BUOY. OWNING THIS BUOYANCY AID IS NOT A GUARANTEE OF SAFETY UNLESS YOU KNOW HOW TO USE IT.

SERVICING INSTRUCTIONS FOR YOUR SOS DAN BUOY

NOTE: Under no circumstances should you try to repair SOS Dan Buoy yourself. If you are in any doubt regarding the serviceability of your Dan Buoy it should either be replaced or returned for testing and repair.

Your SOS Dan Buoy is an important piece of safety equipment. Please visit our website to ask about our regular repairs and servicing. www.danbuoy.com

The SOS Inflatable Dan Buoy should be serviced once every 12 months. Return the SOS Dan Buoy to SOS Marine or, alternatively, use our authorised service agents, for complete authorised annual servicing and repairs.

Email: ron@sosmarine.com.au for your service requirements.

NOTE: The use of this marker, does not guarantee the safety and ultimate rescue, but the SOS Dan Buoy marker may afford support in the water. The effectiveness of SOS Dan Buoy marker is considerably reduced in rough or breaking seas and surf.

STORAGE

Store the marker in a dry, well ventilated area. It must not be subjected to extremes of temperature above + 60°C or below - 30°C. Do not expose the marker to bright sunlight for extended periods when not in use. It should not be stored in compressed or cramped conditions which may cause damage or deterioration. It is crucial that your Dan Buoy is folded correctly at all times when not in use in order to protect the internal components.

The SOS Dan Buoy is easy and simple to use – just throw it to the person overboard.

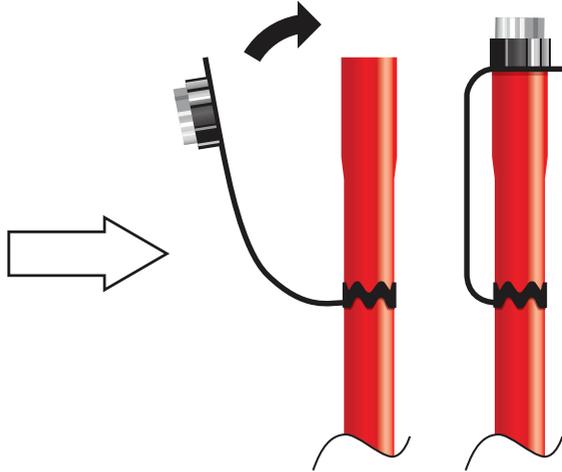
DEFLATING SOS DAN BUOY AFTER USE

1. Reverse the valve cap on top of the oral inflation tube and hold it in the valve.
2. Squeeze the bladder to expel the air.
3. When as much gas as possible has been expelled, re-inflate the bladder by mouth. This reduces the concentration of any remaining CO².
4. Squeeze the bladder a second time. The last of the gas/air mixture can then be squeezed out through the inflation tube without causing discomfort.
5. The bladder should now be completely deflated so that it will fold as it was before use.
6. Replace the valve cap in its normal position.

Dust cap in deflate position



Dust cap in stowed position



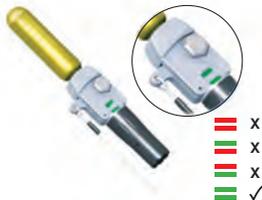
SOS DAN BUOY DIFFERENCE

There is also a service reminder inside the flap.



Service Window

This provides the added benefit of detecting, at a glance, that the SOS Dan Buoy is set to go



Please visit www.danbuoy.com if you require further technical information

RE-PACKING THE SEA ANCHOR FOR YOUR SOS DAN BUOY

Please follow these instructions and diagrams



Step 1



Step 2



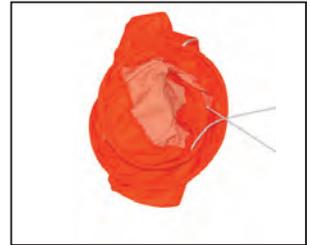
Step 3



Step 4



Step 5



Step 6

RE-PACKING THE SOS DAN BUOY

1. Before re-packing, inspect to ensure that the CO₂ cylinder and automatic valve, manual pull safety toggle and mouthpiece dust cap are set up for operation, that both green sensing elements are armed and that the marker is completely deflated to enable it to be folded.
2. Folding: Before re-packing make sure that the inflation valve on the marker is centred inside the inspection window on the valise and both green sensing elements are showing.
3. Fold and place the sea anchor on top of the marker, making sure that the anchor is attached to the marker.
4. Fold the marker weight over on top of the sea anchor making sure that the anchor loop on the other side of the marker weight is protruding outside of the valise.
5. Lay the inflatable tube marker on top of the weight and then, from the bottom up, fold in a pleat configuration the inflatable tube, making sure that all has been neatly folded including the pennant.
6. Fold the two Velcro flaps sides over the marker and secure tightly together and then fold the small flap through the handle to the back, over the side flaps.
7. Fold the longer single flap over the top of them and hold, then fold the longer Velcro flap over and through the valise handle and secure the Velcro flap tightly together.

REPACKING INSTRUCTIONS NOTE: Incorrect packing or fitting of incorrect components may result in failure to operate or inflate properly. See the full step by step instructions on our web site: www.danbuoy.com

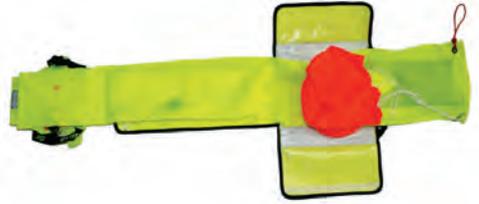
RE-PACKING THE SOS DAN BUOY

Please follow these instructions and diagrams



Has a replacement SOLAS light

Step 1



Step 2



Step 3



Step 4



Step 5



Step 6



Step 7

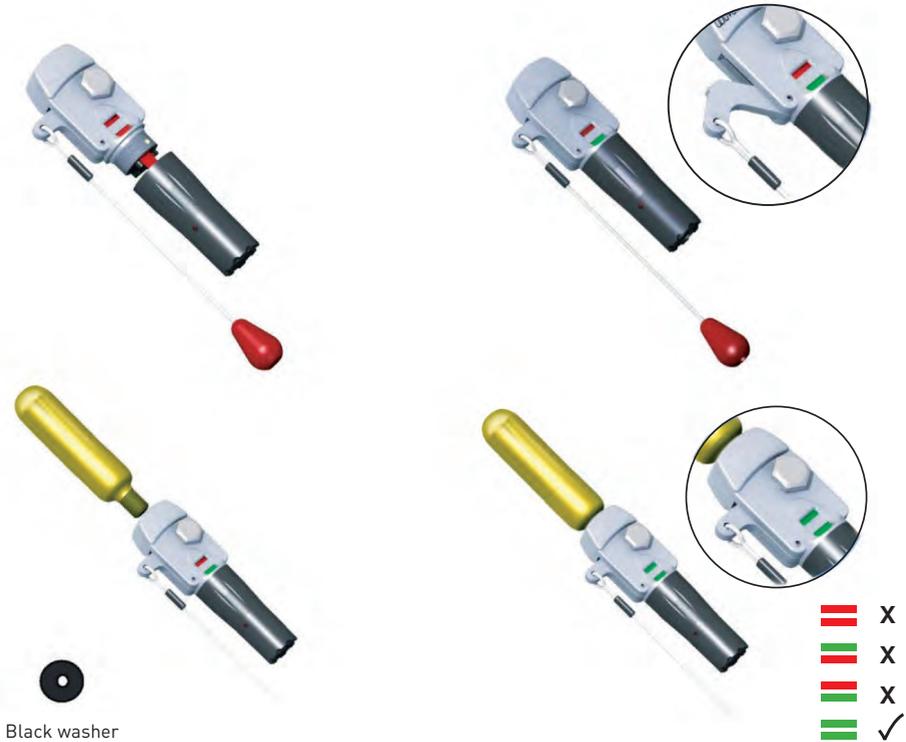


Step 8

Your SOS Dan Buoy is ready for use.

RE-ARM SOS DAN BUOY

Automatic pro-sensor firing mechanism (UML)



Un-screw anti-clockwise and remove gas cylinder. Whilst the gas cylinder is removed, examine the firing head and rubber gas seal make sure when testing that the manual inflation lanyard returns freely and that it is in the closed position. Test its operation by pressing on the cutter pin to see if it travels freely, the unit sensor will show green when testing.

Un-screw anti-clockwise Automatic inflator head cartridge, if fired replace it with a new cartridge. When replacing, screw right up ensuring there is no gap between the cartridge and the inflator head and then do up hand tight.

Manually replace the firing arm into the unit. The arm will click into place,

Thereby ensuring the firing lever is captured in the closed position.

Fit a CO₂ cylinder – **ensuring it has not been fired**. Screw up tight into the firing head.

WARNING

If the SOS Dan Buoy has been inflated by the gas cylinder, take care not to inhale the expelled CO₂ gas.

SPARE PARTS FOR YOUR SOS DAN BUOY

33 Gram Cylinder

Should be regularly checked

Product Number: SOS-5100-1



Water Activated SOLAS Flashing Light

The SOLAS light is activated upon immersion in water and can be turned off during daylight.

Product Number: SOS-5470



Automatic Inflation Cartridge

Product Number: SOS-6100-2



Auto Inflator

Product Number: SOS-6101A

IMPORTANT: This inflator can ONLY be fitted with UML Valve.



SOS MARINE

SPECIAL OPERATIONS SPECIALIST

SOS Marine is Australia's prominent manufacturer of lifejackets and life saving equipment.

This SOS Dan Buoy safety device makes possible a significant advancement in product life extension, with the use of smart materials in construction.

All textiles used are the highest quality for strength under environmental exposure, in order to provide the most durable product possible, to withstand the harshest environments.

SOS Dan Buoy is lightweight in design, offering convenience and versatility, stored in a handy compact valise; it can be transported from boat to boat. The SOS Dan Buoy can be used in fresh or salt water, and when recovered after being used, it can be recharged and repacked for future use.

The high quality and unique design of SOS Marine equipment has meant that seven naval forces worldwide purchase our safety equipment.



DNV Certification Pty Ltd
Quality Assured ISO9001:2000



SOS Marine
is an ISO 9001
Approved Company

SOS Marine

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