

# SERVICE BULLETIN



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## Ocean ISO/ ISO Ultralite Liferaft Service Manual Update. New configuration & parts list.

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This bulletin is for information and does not require change to current service procedures.

### Products Affected:

Ocean ISO / ISO Ultralite Liferrafts 9650 Pt1 Group A

### Summary:

- Introduction of new Mk2 GRP and Ultralite containers
- Introduction of new Vac bag
- Introduction of new operating wire
- Introduction of new liferaft light
- Introduction of smaller paddles
- Change to Ocean Safety less than 24hr equipment pack.
- Changes to the Ocean ISO Service Kit
- Updated Ocean ISO/ISO Ultralite Liferaft Service manual.

ALL SERVICING PROCEDURES REMAIN UNCHANGED



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## Technical Details:

### **New Mk2 GRP and Ultralite containers.**

The Mk2 GRP containers, benefit from a new aesthetic with a seamless finish which delivers an increased volume. This achieved despite having lower trim heights than the previous model in some cases. The container features integrated handles to assist with lifting & launching. They have internal guides to allow the top to sit in the right position.

The Mk 2 GRP Containers are now available. The Carbon containers will be following later in 2020.

Description of Liferaft	Size of Container (mm)
OS ISO 4P <24 Container Mk2	710 x 490 x 240
OS ISO 4P >24/SOLAS B & 6P <24 Container Mk2	710 x 490 x 280
OS ISO 8P <24 Container Mk2	800 x 520 x 280
OS ISO 6P & 8P >24/SOLAS B Container Mk2	800 x 520 x 310
OS ISO 10/12 <24 Container, Mk2	890 x 520 x 280
OS ISO 10/12P >24/SOLAS B Container, Mk2,	890 x 520 x 310



The Top & Bottom halves of the container are different so if either, require replacing then state which half is required.

## Introduction of New Vac Bag.

A new vacuum bag has been introduced alongside the new container. A new vacuum bag has been introduced that in conjunction with a twin ball firing wire (see images below) allows full enclosure of the raft within the vacuum bag. This will allow far better integrity of the seal and reduce (not remove) the possibility of rafts swelling inside containers and valises. The vacuum bags will be produced in two sizes. 4, 6 and 8 man and 10 & 12 man. These will make up part of the Service kits.



Once the raft is inside the vacuum bag, slide the vacuum bag sleeve over the firing wire.



Old style open necked bags may continue to be used until stocks are used up.

## Operating Head Firing Wire.

**Operating Head Wire ~ OSL0107.** This has changed from a loop to a twin ball type. This will allow the firing wire to be connected to the painter via a “Vacuum Bag Firing Wire Clamp ~ OSL0513”

The ball type firing wire & clamp will be included in the Ocean ISO Service kit.



## Introduction of Smaller Paddles.

The current paddles in the rafts will be updated over the coming months, with smaller more robust paddles. When packing the paddles into the raft leave them in the plastic bag as this will keep them together & make them easier to secure.

There is no requirement to change the style of paddle during service, only if they are damaged or missing.



## Introduction of new Liferaft Light

**AquaSpec LR8 Liferaft Light ~ (OSS0072)**, is replacing the current RL5/RL6 liferaft light. Using the Velcro strips secure the back plate of the battery/internal light then clip the battery pack into place. The external light has a securing ring that screws on/off. Remove the ring before fitting in to light holder then refit securing ring once external light in position. For the older style rafts a fitting patch will need to be used.

**AquaSpec Service Patch ~ (OSS0073)**, For rafts built with the RL5 or RL6 light it will be necessary to fit a new fitting patch. This can be glued immediately to the left of the existing internal battery location (as you look at the raft). The adhesive to be used is as described in the "Repairs" section of the Ocean ISO service manual (section 5).

Use contact adhesives: Bostik 2402, Apollo 486 or local equivalent. Follow the manufacturer's instructions and allowed to fully cure. It is not necessary to pressure test after the cure period on this patch.

Stocks of RL5 and RF6 lights can be used until exhausted.



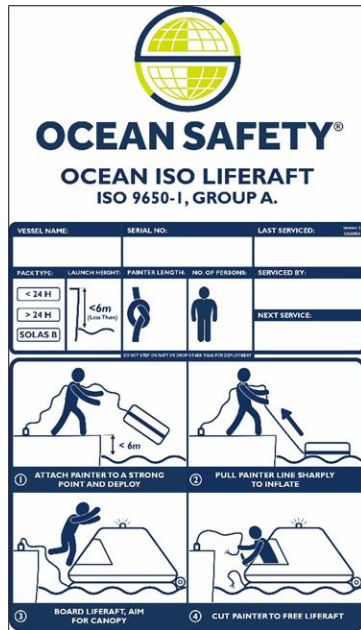
## Change to Ocean Safety Less than 24hr Equipment Pack.

With the introduction of the new container, water will no longer be packed in the <24hr emergency equipment pack. This will reduce the weight of the liferaft & make it straightforward to pack.

For older Ocean ISO Liferrafts **water** is still required to be in the emergency pack.

## New Design Labels.

The new design labels will be provided in the Service kits. These are for the new style of container. We will continue to provide the original labels for the old-style container. When applying the labels, we recommend using a small spray of soapy water on the container firstly to reduce bubble pockets.



## Changes to Container Seal.

The “H-Shaped Rubber Gasket Seal”, which is used for the old-style containers is not required with the new style container. The new style containers will be sealed using Black 50mm PVC sealing Adhesive Tape, this is not provided in the Ocean ISO Service Kit, Service Stations will need to hold this as stock.

Part No. **OSL8080 - OS-VAR Adhesive tape - Black**

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## Updated Ocean ISO Service Kit.

These will be phased in once the current stock has been exhausted. These have been put together so that both the Mk1 & Mk2 liferafts can be serviced using the same vacuum bag.

They will take the form of two sizes of kits:

- **OSL8100S – OS ISO Service Kit, Small 4,6,8 person**
- **OSL8100L – OS ISO Service Kit, Large 10,12 person.**

The contents for the kits, which will allow the service for both styles of liferaft. *The Ocean ISO UltraLite will be updated in due course.*

### Contents:

- Vacuum Bag (either - Small or Large)
- Operating Head Firing Wire, twin ball
- Vacuum Bag Firing clip
- Vacuum Bag Mesh Sleeve
- Painter Line 8mm flat braid 3M
- Labels (new & old style)
- Container Grommet
- AquaSpec Service Patch
- Gist “O” Rings for Hoses x 2
- Braid line cord 2.7mm x 2100mm (*Light activation cord 800mm / Painter Firing lines 300mm / Securing cord 1000mm*)
- Strapping 6Mtr,
- Strapping clips x 2
- Heat Shrink Seals x2
- Bobble Ties x 12

## Service Manual.

All the above changes will be included in the updated version of the Ocean ISO / Ultralite Service Manual which will be available shortly.

## Service Intervals

With the changes to the Ocean ISO especially the vacuum bag the service intervals have been increased:

**Service Intervals:** Every 3 years up to 18 years then annually, Hydrostatic Cylinder Test to remain and conducted when necessary, likely to be 3<sup>rd</sup> service after 9 years. Our service interval remains 3 years but is restricted by the inclusion of a dated First Aid Kit. The First Aid kit or any other dated item does not change our recommended service interval.

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