

# JON BUOY<sup>®</sup>

# SMART RELEASE

Owner's Manual

REV 03

This manual is the property of Ocean Safety Limited and its associated or subsidiary companies.

It must not be copied without prior written permission from Ocean Safety Limited or its associated or subsidiary companies.

All rights reserved.

**YOUR SAFETY  
OUR WORLD**



<b>1.0</b>	<b>INTRODUCTION</b>	<b>P3</b>
	1.1 Features	P3
	1.2 Fixing pack	P4
	1.3 Multiple Jon Buoys on a vessel	P5
	1.4 Device positioning	P6
<b>2.0</b>	<b>USING THE JON BUOY SMART RELEASE</b>	<b>P7</b>
	2.1 Preparation for MOB Situation	P7
	2.2 Before leaving the shore or dock	P8
	2.3 Activating the Jon Buoy Smart Release	P9
<b>3.0</b>	<b>POSITIONING</b>	<b>P11</b>
	3.1 Junction box and plunger positioning	P11
	3.2 Third party MFD and MOB Button positioning	P12
	3.3 Troubleshooting	P13
<b>4.0</b>	<b>CARE AND MAINTENANCE</b>	<b>P14</b>
	4.1 After use	P14
	4.2 Storage and removal	P15
<b>5.0</b>	<b>SERVICING</b>	<b>P16</b>
	5.1 Warranty	P17
<b>6.0</b>	<b>SERVICE RECORD</b>	<b>P18</b>

Thank you for purchasing this Ocean Safety product. Please follow the usage, maintenance and servicing instructions to ensure the product is used safely and correctly.

## 1.1 FEATURES

1. Immediate remote activation
2. 12V and 24V compatible via ships power network
3. NMEA 2000 compatibility
4. Illuminated membrane switch panel
5. Versatile mounting locations & range adaptability
6. Junction box can be mounted on bulkhead or control panel
7. 10m firing line cable to connect junction box to Recovery Module (10m extensions available)
8. Service inspection carried out in conjunction with the Jon Buoy Recovery Module Mk6 Hardcase product servicing
9. Third party compatibility as a feature, fired through MFD or NMEA 2000 connected MOB button



**WARNING:** PLEASE RETAIN THIS MANUAL FOR FUTURE REFERENCE.



**WARNING:** OCEAN SAFETY ADVISE THAT A QUALIFIED ELECTRICAL TECHNICIAN OR BOAT BUILDER CARRIES OUT THE INSTALLATION OF THE SMART RELEASE AND CONNECTS THE UNIT VIA THE VESSEL'S MAIN SHIPS ELECTRICAL SUPPLY, OR NMEA NETWORK. OCEAN SAFETY WILL NOT ACCEPT ANY RESPONSIBILITY FOR INCORRECT INSTALLATION, WHICH MAY ALSO AFFECT THE WARRANTY OF THE JON BUOY Mk6 RECOVERY MODULE, AND SMART RELEASE.



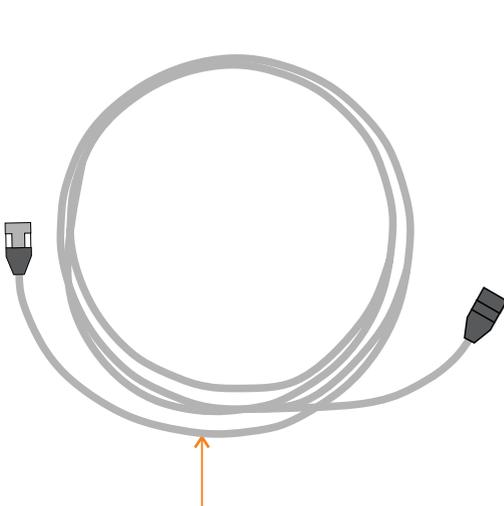
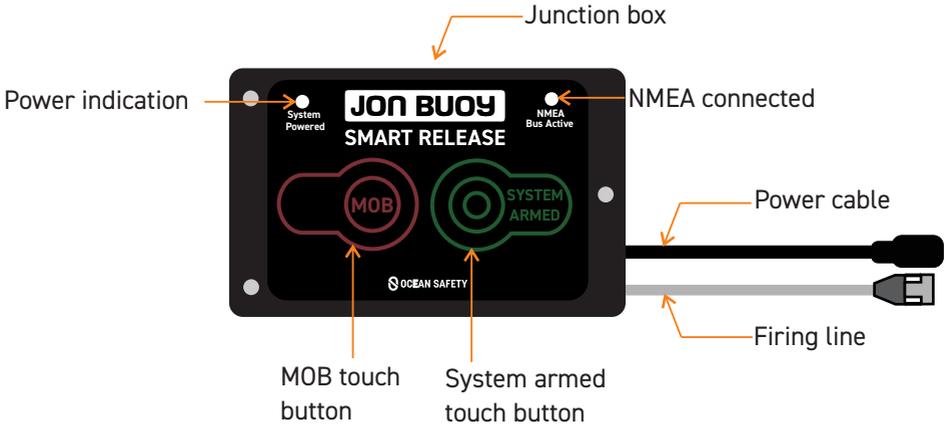
**NOTE:** INSTALLATION INSTRUCTIONS ARE PROVIDED WITHIN THE PACKAGING OF THE UNIT.



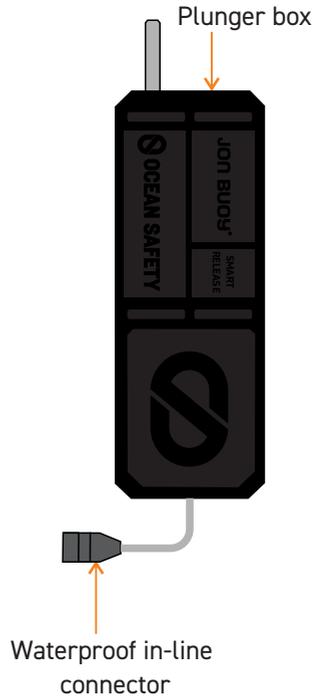
**NOTE:** THE SMART RELEASE SYSTEM IS ONLY COMPATIBLE WITH THE JON BUOY RECOVERY MODULE Mk6 HARD CASE.



## 1.2 FIXING PACK



10m Firing line cable (Ocean Safety supplies 10m extension cables that cannot exceed 50m)



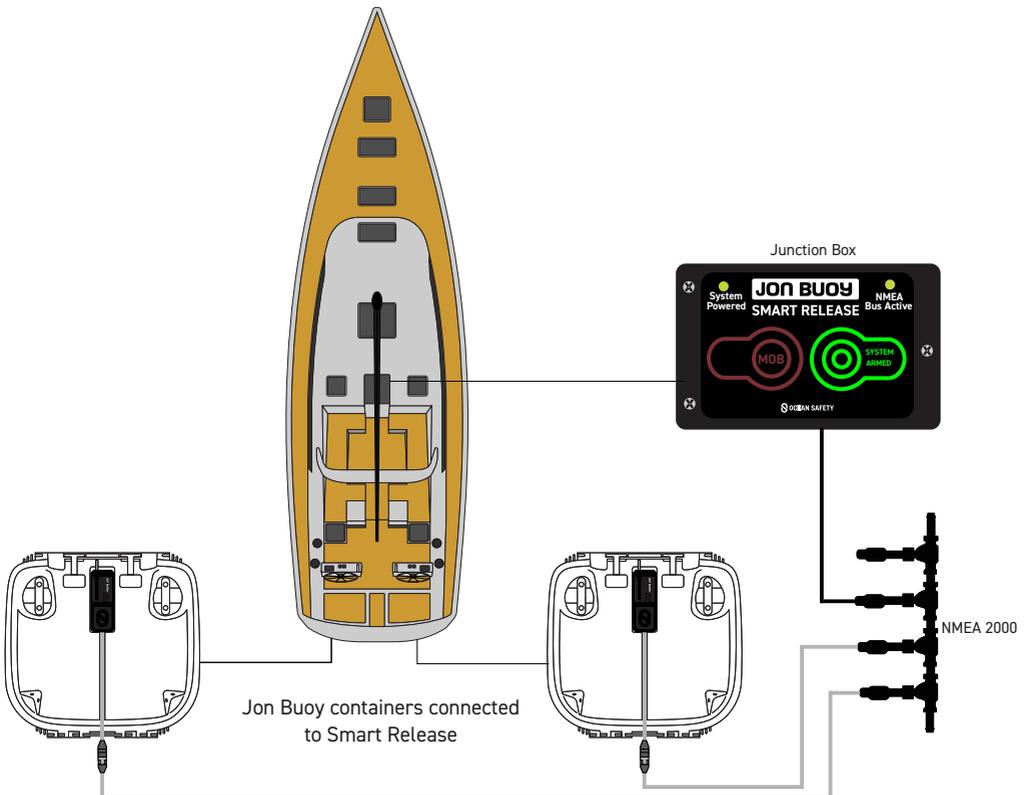
## 1.3 MULTIPLE JON BUOY RECOVERY MODULES ON A VESSEL



**WARNING:** IN THE EVENT OF MULTIPLE JON BUOY RECOVERY MODULES FITTED WITH NMEA 2000 CONNECTED SMART RELEASE SYSTEMS, ALL UNITS WILL BE ACTIVATED AND DEPLOYED WHEN THE MOB BUTTON IS PRESSED. CONTACT OCEAN SAFETY TO DISCUSS ALTERNATIVE RECOMMENDATIONS.

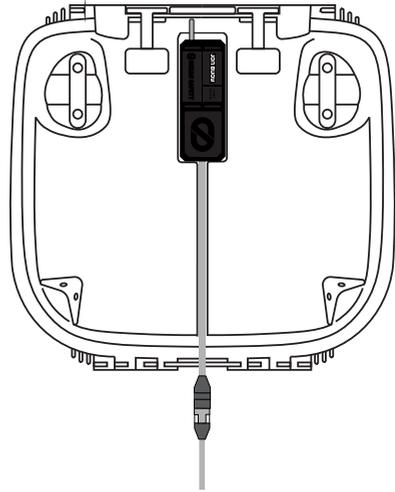


1.3.1 Multiple Jon Buoy Recovery Modules fitted with Jon Buoy Smart Release boxes can be connected to the NMEA 2000 but only one junction box is necessary.



## 1.4 DEVICE POSITIONING

**Plunger box**-In the slot on the back of the Mk 6 Jon Buoy Recovery Module container.



**Junction box** - Either at the helms position, cockpit or control panel.

**MOB button (third party device)** - Various locations around the vessel connected to the NMEA 2000 network.

## 2.1 PREPARATION FOR A MOB SITUATION

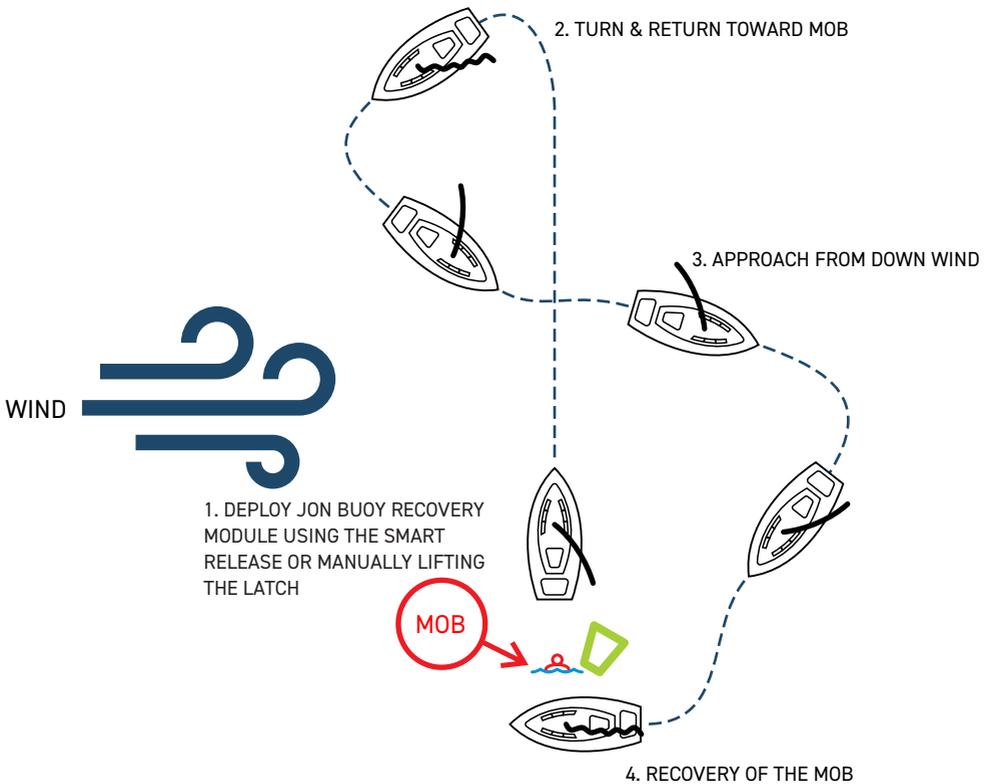


**WARNING:** UNARM THE SMART RELEASE BEFORE CARRYING OUT MOB DRILLS OR THE UNIT WILL DEPLOY AND WILL NEED TO BE SERVICED.



2.1.1 In the event that the Jon Buoy Recovery Module is required, it is critical to understand how it works and to devise a plan for an emergency situation.

2.1.2 Below is a simple diagram of a MOB situation, from deployment to coming alongside the casualty;



**WARNING:** ENSURE ALL CREW MEMBERS ARE TRAINED IN THE USE OF THE JON BUOY SMART RELEASE AND IN THE MOB PROCEDURE.



### 2.2 BEFORE LEAVING THE SHORE OR DOCK

1. Check the plunger box is firmly mounted to the Mk6 container.
2. Ensure all cable connectors are fully sealed and secured.
3. Arm the unit by pressing 'SYSTEM ARMED' on the junction box.
4. If any part of the product is damaged or faulty replace immediately.
5. If you have any concerns, contact your nearest Ocean Safety service station.

## 2.3 ACTIVATING THE JON BUOY SMART RELEASE



**WARNING:** THE SMART RELEASE SYSTEM IS SINGLE USE ONLY. AFTER AN ACTIVE DEPLOYMENT, THE PLUNGER BOX AND RECOVERY MODULE MUST BE SERVICED.



2.3.1 With the vessels power network running, check the 'System Powered' light is illuminated. If the Jon Buoy Smart Release is connected to the NMEA 2000 network, the 'NMEA Bus Active' light will illuminate. This indicates the Jon Buoy Smart Release is registered to the NMEA 2000 network.



**NOTE:** IF THE NMEA BUS ACTIVE LIGHT IS FLASHING OR STARTS TO FLASH IT IS NOT CONNECTED TO THE NMEA 2000. IF NOT CONNECTED TO THE NMEA 2000 NETWORK, THE JON BUOY RECOVERY MODULE CAN STILL BE DEPLOYED BUT ONLY BY PRESSING THE MOB BUTTON ON THE JUNCTION BOX.



2.3.2 Arm the unit by pressing 'SYSTEM ARMED' on the control box. The system armed button will be illuminated with a green light and the MOB button will be illuminated with a red light. This will indicate the Jon Buoy Smart Release system is ready for activation.

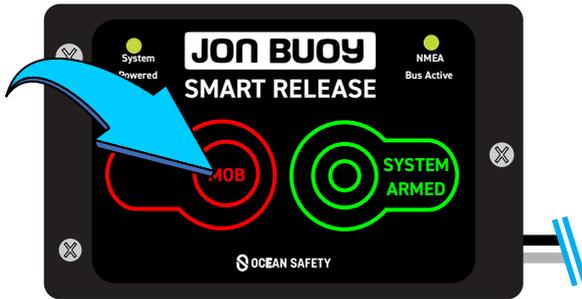
**THE UNIT IS NOW LIVE AND THE JON BUOY IS READY TO BE ACTIVATED.**



2.3.3 In the event of an MOB incident, activate the Smart Release and deploy the Recovery Module by pressing on the illuminated MOB button.



**NOTE:** THIS IS A SINGLE USE DEVICE. ONLY ACTIVATE THE SMART RELEASE IN AN EMERGENCY SITUATION.



**WARNING:** ENSURE ALL CREW MEMBERS ARE TRAINED IN THE USE OF THE JON BUOY, SMART RELEASE AND IN THE MOB PROCEDURE.

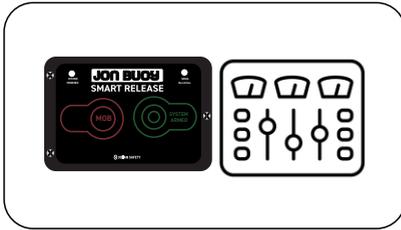


**WARNING:** UNARM THE SMART RELEASE BEFORE CARRYING OUT MOB DRILLS OR THE UNIT WILL DEPLOY AND WILL NEED TO BE SERVICED.

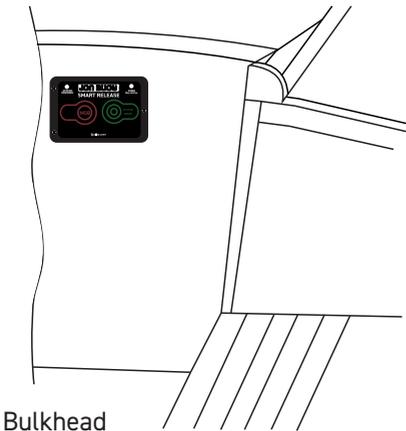
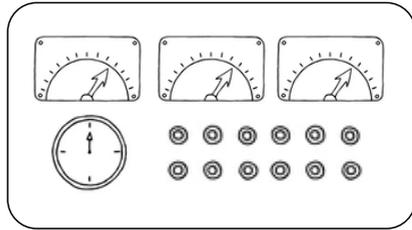


## 3.1 JUNCTION BOX AND PLUNGER POSITIONING

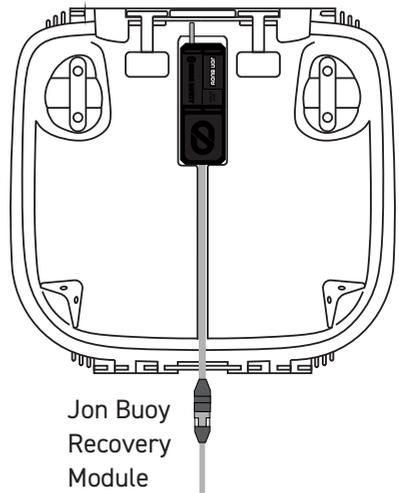
3.1.1 The Jon Buoy Smart Release junction box can be mounted on the control panel cockpit or bulkhead. The power and firing wire can be fed from either the right hand side or out the rear of the junction box. The plunger box is positioned on the back of the Jon Buoy Recovery Module.



Helm's Control Panel



Bulkhead

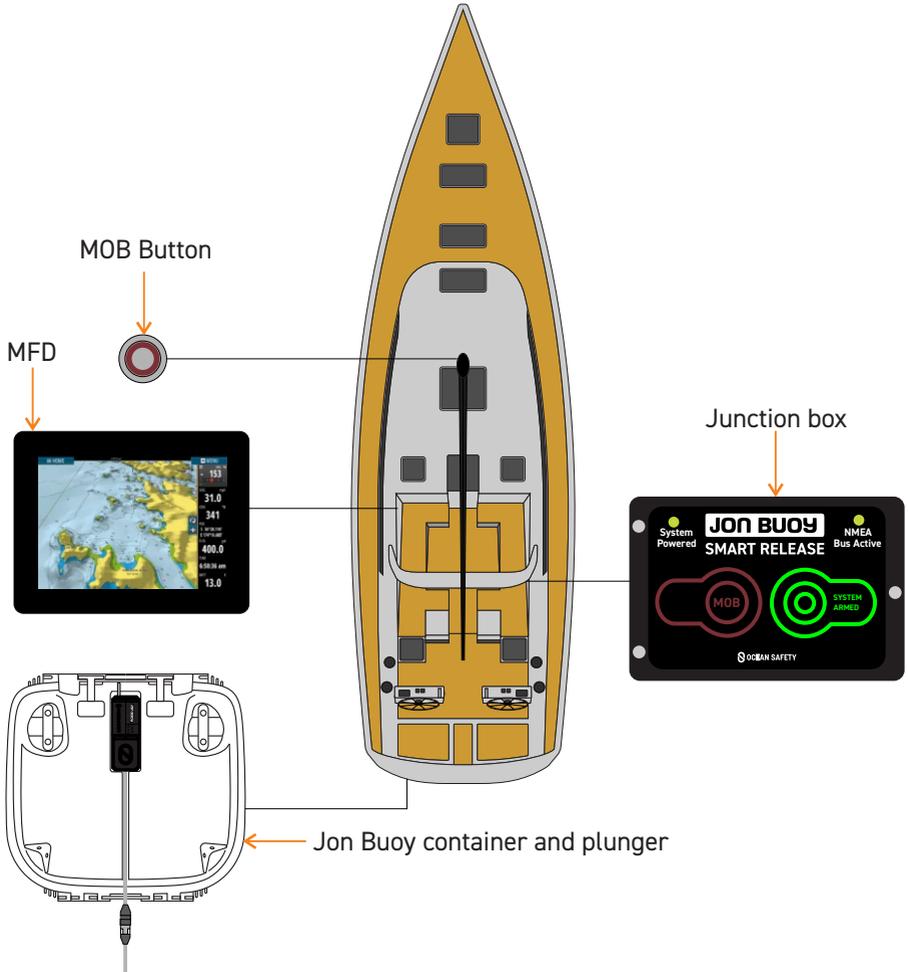


Jon Buoy  
Recovery  
Module

## 3.2 Third party MFD and MOB Button positioning

3.2.1 If connected to the NMEA 2000 network, third party MOB devices are also able to trigger the Jon Buoy Recovery Module. Below is an example of where these third party devices could be positioned on a vessel.

Note: These examples can be varied to best suit the vessel and where crew members are positioned while sailing to best access an MOB firing device.



## 3.3 TROUBLESHOOTING

FAILURE	POSSIBLE CAUSE	CORRECTIVE ACTION
Junction box flashing red	-Plunger box fired -System damaged	Replace plunger box
"NMEA BUS ACTIVE" light flashing	-Failed connection to NMEA 2000	Replace junction box
"SYSTEM POWERED" light off	-Power not turned on	Turn vessel power on

## 4.1 AFTER USE



**WARNING:** ONCE DEPLOYED, THE PLUNGER BOX AND RECOVERY MODULE MUST BE RETURNED TO AN OCEAN SAFETY APPROVED SERVICE STATION FOR RE-ARMING AND RE-PACKING.



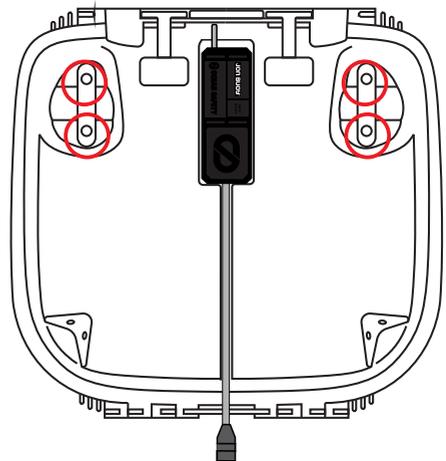
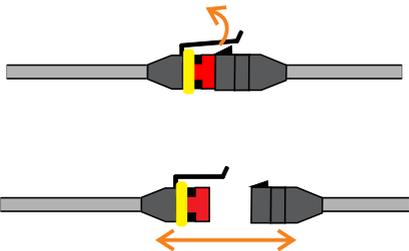
**NOTE:** IF THE RED MOB BUTTON IS FLASHING, THIS WILL INDICATE THE UNIT HAS BEEN FIRED.



4.1.1 Lift the notch up on the in line connector and pull the female and male housing apart, leaving the male housing and 10m firing wire on the vessel.

4.1.2 Remove the container from the mounting rail.

4.1.3 The container and Smart Release can then be taken to your nearest Ocean Safety approved service station.



Container and Smart Release taken to service station together.



**WARNING:** ENSURE THE MALE HOUSING ON THE FIRING LINE WHICH REMAINS EXPOSED ON DECK IS COVERED FROM ANY WATER INGRESS WHILE THE UNIT IS BEING SERVICED.



## 4.2 STORAGE AND REMOVAL



**WARNING:** NEVER ATTEMPT TO RE-PACK THE JON BUOY RECOVERY MODULE OR SMART RELEASE FOR RE-USE. ONLY TRAINED PERSONNEL AT AN OCEAN SAFETY APPROVED SERVICE STATION CAN RE-PACK AND RE-ARM A JON BUOY AND SMART RELEASE TO THE NECESSARY STANDARD REQUIRED.



4.2.1 Ocean Safety recommend that if the vessel is not in use, the Jon Buoy and Smart Release is removed and kept in a dry storage facility. This will prolong the life of the Jon Buoy. Ensure the male and female inline connector is disconnected.

4.2.2 Alternatively, cover the Jon Buoy and Smart Release with a waterproof cover.



**WARNING:** IT IS THE OWNERS RESPONSIBILITY TO REMOVE ANY PROTECTIVE COVER OR RECONNECT THE INLINE CONNECTOR SHOULD THE VESSEL BE IN USE. FAILURE TO DO SO MAY RESULT IN THE FAILURE OF THE PRODUCT TO DEPLOY PROPERLY.



**NOTE:** IF CONTAINER AND SMART RELEASE HAVE BEEN REMOVED FROM ITS MOUNTING, ENSURE THE FIRING LINE HAS BEEN RECONNECTED.



5.0.1 The Jon Buoy Smart Release must be serviced at an Ocean Safety Approved Service Station.

5.0.2 If the Jon Buoy Recovery Module is manually activated by opening the latch, the Smart Release will still need to be serviced.

5.0.3 Follow section 4.1 for removing your Jon Buoy Recovery Module and Smart Release for servicing.

5.0.4 To find the nearest Ocean Safety Approved Service Station, visit the website or contact Ocean Safety:



Tel: +44 (0) 2380 720800

Email: [info@oceansafety.com](mailto:info@oceansafety.com)

Web: [www.oceansafety.com](http://www.oceansafety.com)

## 5.1 WARRANTY

5.1.1 Ocean Safety extended warranty is only valid if the product has been registered by the owner. If the owner has not registered the product with Ocean Safety, the warranty is only valid for 1 year from date of purchase.

5.1.2 Ocean Safety warranty does not cover damage resulting from accidents, neglect or normal wear and tear and is only valid if a full service history, carried out by an approved Ocean Safety service centre, is available.

5.1.3 Visit the Ocean Safety website for full warranty details and for extended warranty durations.

# 6.0 SERVICE RECORD



Signature & Stamp	Comments	Repairs and/or Replacements	Modifications	Service Station Address	Date of Service

# JON BUOY®

OCEAN SAFETY  
Saxon Wharf  
Lower York Street  
Southampton  
Hampshire  
SO14 5QF

Tel: +44 (0)2380 720800  
Email: [info@oceansafety.com](mailto:info@oceansafety.com)  
Web: [www.oceansafety.com](http://www.oceansafety.com)



ARTOS055 REV03

**YOUR SAFETY  
OUR WORLD**

