# **CREWFIT 150**

# **Owners Manual**

IMPORTANT: PLEASE READ THIS MANUAL BEFORE USING YOUR CREWFIT LIFEJACKET

## 150N LIFEJACKET

This level 150N lifejacket will give a reasonable assurance of safety from drowning to a person who, for whatever reason, is no longer capable of helping themselves fully. This level is intended for general application or for use with foul weather clothing. It will turn an unconscious person into a safe position and requires no subsequent action by the user to maintain this position. This jacket is suitable for offshore use.

## IMPORTANT INFORMATION

Train yourself in the use of this device.

This jacket is not a PFD until fully inflated.

Do not use as a cushion.



BS EN ISO 12402-3:

**REGULATION (EU) 2016/425** 





## STANDARD 150N LIFEJACKET BS EN ISO 12402-3

## GENERAL DESCRIPTION

The Crewfit 150 is easy to use and comfortable to wear with a minimum of 150N buoyancy. The Crewfit 150 is available as Automatic or Manual inflation and available with an integrated deck safety harness.

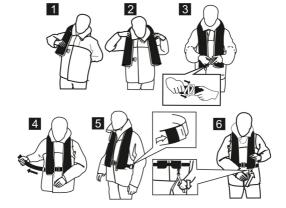
## PRODUCT FEATURES

- Provides 165N Newtons of inflatable buoyancy
- Asymmetrical overlapping inflatable chamber with
   Fitted with removable, dual crotch straps
- · Cover design provides a supreme shape and fit
- Universal adult size. Weight > 40kg Chest 86-155cm
- chin support to increase the optimum floating position Supplied with an ISO approved whistle
  - Harness variant approved to BS EN 12401
- Approved to BS EN ISO12402-3

## DECK SAFETY HARNESS BS EN ISO 12401

On a lifejacket with harness, the waist-belt is replaced by a harness belt secured with an interlocking stainless steel buckle. The harness belt should fit across the chest and be adjusted to a tight comfortable fit.

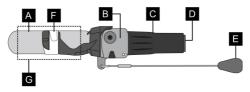
# DONNING YOUR LIFEJACKET



## KNOW YOUR INFLATION MECHANISM TYPE

#### MK5: AUTOMATIC OR MANUAL

- 1 Check that the automatic firing capsule (C) is screwed fully onto the operating mechanism (B). Ensure that the capsule (C) has not been fired inadvertently by checking that the bottom indicator shows green (D). Also check the expiry date on the side of the capsule. Do not use a capsule that is out of date.
- 2 Check the CO<sub>2</sub> cylinder (A) is securely screwed into the operating mechanism with EXOLOK Mechanism and label (F) and fit Mesh Sleeve (G).
- 3 Ensure toggle (E) is easily accessible.

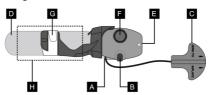


AUTOMATIC

On an automatic model, unscrew and remove the automatic capsule first

## MANUAL INFLATION (HALKEY ROBERTS)

- 1 Check that the firing lever (A) is closed and the green security saddle (B) is clipped over the lever securely.
- 2 Ensure that the inflation toggle (C) is present.
- 3 Check that the CO<sub>2</sub> cylinder (D) is securely screwed into the inflation mechanism (E) and fitted with EXOLOK mechanism and label (G) and mesh sleeve (H) has been fitted.
- 4 Check that the nut (F), securing the inflation mechanism to the inflation chamber is not loose.



#### HAMMAR AUTOMATIC

- 1 Check that the indicator on the cap is green (D) that the pull to inflate lanyard (E) is present and that the locking ring (C) is locked. When the locking ring is locked (C) it cannot be turned counter clockwise by hand. Check the expiry date on the front of the cap (B). Do not use a cap that is out of date.
- 2 Check the 33g CO<sub>2</sub> cylinder (A) is securely screwed into the inflator body by feeling through the fabric.
- 3 Ensure toggle (E) is easily accessible.



## RE-ARMING YOUR AUTOMATIC/MANUAL OPERATING MECHANISM

Always re-arm your lifejacket ready for use before you stow it away. The operating mechanism must be thoroughly dried before re-arming. When re-arming your lifejacket it is important you use only Crewsaver supplied components. For your nearest supplier contact Crewsaver or see www.crewsaver.com



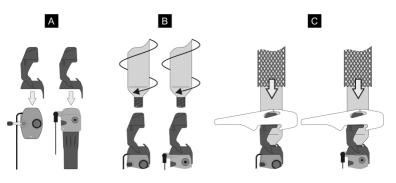
Take the new automatic firing capsule and screw onto the operating mechanism in a clockwise direction. Screw tightly ensuring there is no gap between the capsule and the base of the operating mechanism.

**AUTOMATIC** Check that the cylinder-sealing gasket in the end of the operating mechanism has been correctly fitted, or replaced if necessary. Check the new CO<sub>2</sub> cylinder has not been used. Fit EXOLOK mechanism (A) and screw cylinder into the main body in a clockwise direction (B). Ensure the cylinder is screwed right down and hand tighten. Secure with EXOLOK label (C) then fit mesh sleeve.



Cylinder sealing O-Ring

MANUAL Check that the cylinder-sealing gasket in the end of the operating mechanism has been correctly fitted, or replaced if necessary. Check the new CO<sub>2</sub> cylinder has not been used. Reposition firing lever and secure with security saddle. Fit EXOLOK mechanism (A) and screw cylinder into the main body in a clockwise direction (B). Ensure the cylinder is screwed right down and hand tighten. Secure with EXOLOK label (C) then fit mesh sleeve.



The operating mechanism is now re-armed. See www.uml.co.uk for more details on the UML Mk5 Mechanism. See www.halkeyroberts.com for more details on the HR 840 Manual Inflator Mechanism.

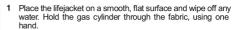


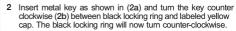


## RE-ARMING YOUR HAMMAR OPERATING HEAD













- 3 Now turn back locking ring counter-clockwise (3a) and lift the cap off (3b).
- 4 Squeeze the sealing ring to elongate and remove the inflator body through. Dispose of the used inflator body in an environmentally approved manner.





- 5 Check that the indicator is green. Insert new inflator body with gas cylinder pointing upwards inside the lifejacket. Let the sealing ring rest on the inflator body around the four lugs.
- 6 Now check the new manual/automatic cap as follows:
  - 1. Single point indicator is showing green
  - Expiry date is in date

ventilated space.

If YES is the answer to both these questions, then proceed as follows. If NO, then a new capsule is required.





- 7 Hold the gas cylinder through the fabric of the lifejacket (7a). Position the replacement cap with the water inlet valve pointing to the right (7b) and press it FIRMLY onto the inflator body and sealing ring.
- 8 While pressing FIRMLY onto the inflator body turn the black locking ring clockwise into the locked position. Pull on the cap to make sure it has locked onto the inflator body.





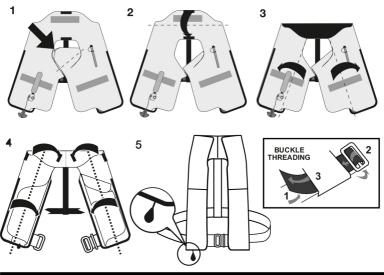
9 To see that the indicator on the cap is green; that the pull to inflate lanyard is present and that the locking ring is locked. (9a) When the locking ring is locked, it cannot be turned counterclockwise by hand. If your lifejacket has been used and/or the hammar inflator replaced, always inflate the jacket through the oral tube (9b) and check that it stays inflated at least overnight. If the lifejacket fails the inflation test contact your nearest Crewsaver service station for further check. Empty the lifejacket 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. Let the lifejacket dry before packing. When not in use always store your lifejacket in dry and well





## REPACKING YOUR CREWFIT 150N LIFEJACKET

Ensure that your lifejacket is completely dry before re-packing. (Refer to Care & Maintenance).



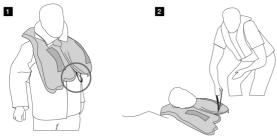


WARNING: Examine all straps, buckles and the manual inflation toggle to ensure that they are free from snagging. Do not use as a cushion or in any other way likely to cause damage.



# CORRECT USE OF LIFTING BECKETS

- 1 Lifting becket is located below the left lobe of the inflation chamber.
- ${\bf 2}$  Use lifting becket to haul casualties from the water.



## CARE & MAINTENANCE OF YOUR LIFEJACKET

Your lifejacket is an important item of technical safety equipment. The working life of the lifejacket will be prolonged if the following instructions are adhered to:

- · Check that both status indicators are displaying green.
- · Check the expiry date, if any items have expired they MUST be replaced before use. (Refer to Re-arming your lifejacket) for details on how to fit a new capsule.
- Ensure a fully charged cylinder is tightly fitted.
- · Ensure that the manual pull toggle is accessible.

## IF A RED INDICATOR SHOWS, CHECK THE FOLLOWING ITEMS:

- · Ensure a fully charged cylinder is tightly fitted.
- · Ensure an automatic capsule is tightly fitted.
- · Check that the expiry date has not passed and check that there is a plate in the base of the capsule. If there is no plate and a red dot is visible the capsule has been fired and must not be used. See re-arming your lifeiacket for how to fit a new capsule onto your operating mechanism.
- Ensure that the manual pull toggle is accessible.

## AFTER USE (if Inflated)

- Rinse vour lifeiacket after use. (Refer to Cleaning & Storing Lifeiacket)
- · Re-arming your lifejacket. (Refer to Re-arming Your Lifejacket)

## PERIODICAL CHECKS

- · A complete inspection of your lifejacket is to be carried out every three months -More often for more frequent use.
- · Check the fabric for cuts, tears, abrasion and signs of damage caused by heat.
- · Leak testing is an important part of the periodical checks. Inflate your lifejacket orally until firm. Leave overnight or for a minimum of 12 hours. A lifejacket that is leaking will not hold its firmness and must be replaced. Re-pack your lifejacket using the repacking instructions in this manual.

NOTE: Avoid wide variations in temperature when performing this test. Temperature variation can cause the inflatable chamber to lose firmness.

Examine the lifejacket for signs of damage, wear and tear or contamination Pay particular attention to the webbings and the stitching on your lifejacket.

Perform the oral inflation valve test as follows:

- 1 Fully inflate the lifejacket
- Place the oral tube into water and check for bubbles.
- 3 If bubbles appear a replacement valve is required
- Check the expiry date on the automatic firing capsule. If it has expired it should be replaced.
- Courses and training in lifeiacket care & maintenance are available on request.





















#### CLEANING & STORING YOUR LIFEJACKET

It is important that the lifejacket is stored in a dry, well ventilated space. If the lifejacket is wet or damp, and it is fitted with an automatic firing capsule, it is advisable to remove the capsule until the lifejacket is completely dry. Any dampness to the lifejacket may penetrate the capsule and eventually cause it to operate the lifejacket. To avoid inflation, do not submerge the lifejacket in water unless the lifejacket has been used or the capsule has been removed.

Periodically rinse the lifejacket in fresh water, particularly if it has been in contact with salt water. Oil and similar marks should be removed by washing with warm soapy water.

Never put your lifejacket in a washing machine, spin or tumble dryer, after washing always allow your lifejacket to dry naturally before stowing in a dry place.

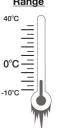
After washing always allow your lifejacket to dry naturally before stowing in a dry place. Ensure lifejacket is left open fully when drying.

## OTHER IMPORTANT INFORMATION

Your new Crewfit 150 has been tested to meet a temperature range between -10°C and 40°C as required by BS EN ISO 12402.

- When the temperature is well below freezing, your lifejacket may operate much slower than normal and at very low temperatures a fully discharged cylinder may not adequately inflate your lifejacket. In these temperatures the oral tube should be used for additional topping up if necessary
- This lifejacket is not a PFD until fully inflated. Full performance may not be achieved using certain clothing or other circumstances. Certain circumstances will alter performance, such as waves or the wearing of garments which provide additional buoyancy. The buoyancy provided by the jacket can be affected if heavy objects are carried in the pockets.
- A whistle is located on the inside right inflation chamber. Six long blasts repeated at intervals is the international distress signal.

# Operating Range





WARNING: Inflating your lifejacket using CO<sub>2</sub> inflation could over pressurise and damage your lifejacket if it has already been orally inflated fully. Do not use as a cushion or in any other way likely to cause damage.





WARNING: This lifejacket is inflated by a CO<sub>2</sub> gas cylinder. Gas cylinders are dangerous goods, and they must be kept away from children and not misused.





## **TESTING YOUR LIFEJACKET**

Practice and training are required before use.

In an emergency, there is no time to learn how equipment works. Crewsaver recommend that you try your lifejacket to ascertain its performance before general use. This will also help you to familiarize yourself with the product.

When trying out your lifejacket, remember that you may need replacement parts or rearming kits to get your lifejacket ready for use again.

If you are a weak swimmer it is strongly recommended that you use an automatically operated lifejacket or an inherently buoyant device.

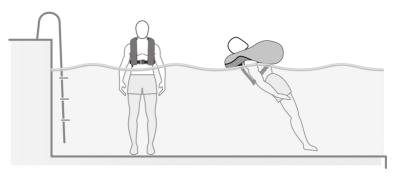
- STEP 1: Put on your lifejacket by following the donning Instructions (see page 2).
- STEP 2: Stand in shallow water or in a swimming pool, ensuring that the water is just deep enough for your head to be above the water's surface.
- STEP 3: Inflate your lifejacket, this can be done the following ways.

Automatically: If the lifejacket is an automatic operating head it should fully inflate within five seconds of water contacting the automatic firing capsule. This activates the operating and releases the CO<sub>2</sub> mechanism cylinder into the lifejacket. (On hammar jackets the hammar cap must be at least 20cm below the surface of the water).

Manually: The lifejacket can be activated manually by a sharp downward pull on the pull toggle. The lifejacket should fully inflate within 5 seconds.

Oral Inflation: If you are using an automatic lifejacket ensure that the automatic firing capsule has been removed before entering the water. Open the lifejacket cover and locate the oral inflation tube, remove the cap and blow into the tube.

Once inflated see how the lifejacket holds you in the water, noting the position that it holds you in with your mouth well clear of the water's surface and your body at an angle.



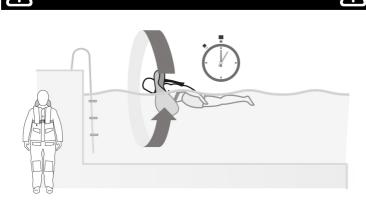
# TESTING YOUR LIFEJACKET (CONTINUED)

Your lifejacket should be tested whilst wearing any offshore clothing. Check that the lifejacket will turn you from a face down position to a face up position.

NOTE: Some offshore clothing in particular drysuits and immersion suits can trap air - this may affect the performance of the lifejacket.

After testing your lifejacket completely deflate the lifejacket using the oral inflation tube. Let the lifejacket dry thoroughly. Do not expose to direct sunlight or heat. Re-arm your lifejacket following the relevant re-arm & re-pack instructions.

REMEMBER: Re-arm and Re-pack your lifejacket following testing.



## AFTER USE

Manual: Remove the used cylinder from the manual operating head and dispose of it appropriately.

**Automatic Operating Heads**: Remove the fired capsule followed by the cylinder on the automatic operating head and dispose of appropriately.

If the lifejacket has been in salt water or contaminated water, it is essential to rinse out in fresh water after use. Hang the unfolded jacket in a warm and dry place; allow the lifejacket to dry out fully.

Once dry, inflate by mouth and check for damage. If damage has occurred, return to a Crewsaver approved service station for repair.





## USING INFLATION TUBE ON INFLATABLE LIFEJACKETS

If required all inflatable lifejackets can be inflated orally without firing the CO2 cylinder.

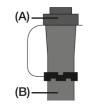


WARNING: Inflating your lifejacket using CO<sub>2</sub> inflation could over pressurize and damage your lifejacket if it has already been orally inflated fully.



## INFLATING YOUR LIFEJACKET

- 1 Remove the valve cap (A) at the top of the inflation tube (B).
- 2 Blow into the inflation tube. The protective cover on the lifejacket will unfold as the inflation chamber takes shape. To make this easier open up the cover by hand and continue to blow into the tube until it is difficult to inflate further.
- 3 Ensure once inflated that you replace the valve cap (A). It is important to keep this in place, except when the deflation valve is being used



# DEFLATING YOUR LIFEJACKET AFTER USE

 ${\bf 1}\,$  Reverse the valve cap (A) at the top of the inflation tube and hold it in the valve.



WARNING: Do NOT use anything other than the valve cap to deflate your lifejacket. Any other item used may cause damage to the valve.



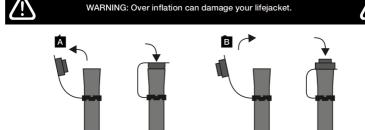
2 Squeeze the lifejacket to expel the air inside.



WARNING: If the lifejacket has been inflated using a gas cylinder take care not to inhale the expelled  ${\rm CO}_2$  gas.



- 3 When as much gas as possible has been expelled, re-inflate the lifejacket orally. This will reduce the concentration of any remaining CO<sub>2</sub>.
- 4 Squeeze the lifejacket a second time expelling as much air as possible.
- 5 The lifejacket should now be completely deflated, and can be folded into the cover as before.
- 6 Replace the valve cap (A) back into the normal position on top of the Inflation tube.



### YOUR 3 YEAR GUARANTEE

Crewsaver has over 50 years' experience in manufacturing safety equipment and our total commitment to quality enables us to offer you a FULL 3 YEAR GUARANTEE on your lifejacket.

This 3 year guarantee includes all parts and labour to repair defective equipment and the return postage. The guarantee covers all Crewsaver lifejackets and combined lifejackets/harnesses worn for everyday working use.

The guarantee does not cover the effects of accidental damage, normal wear and tear, or mistreatment, or where repairs have been carried out other than by a Crewsaver approved serviced centre.

Remember your lifejacket is an important piece of safety equipment and should be serviced annually. Servicing should be completed with genuine Crewsaver parts at a Crewsaver approved service station. Crewsaver will not accept any lifejackets for warranty that have not been serviced annually at a Crewsaver approved service station.

Please copy the Product Serial Number and Date Purchased below for your own reference:

SERIAL NO:	DATE PURCHASED:
BATCH NO:	

For more information or to register your product please visit our website www.crewsaver.com

#### SERVICE ANNUALLY

Your lifejacket must be serviced on an annual basis.

Never try to repair a lifejacket yourself. You could cause more damage and render the lifejacket irrepairable or affect the warranty.

Always return the lifejacket to a Crewsaver approved service station for repairs and servicing.

To find your nearest Crewsaver approved service station visit: crewsaver.com/findastockist

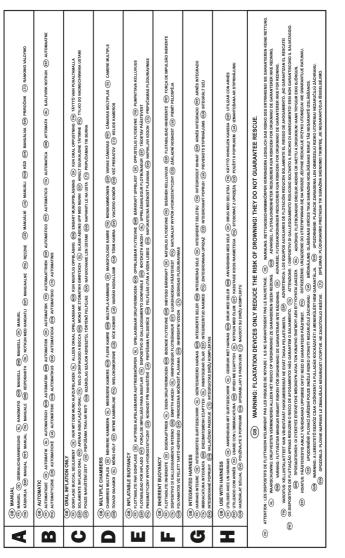
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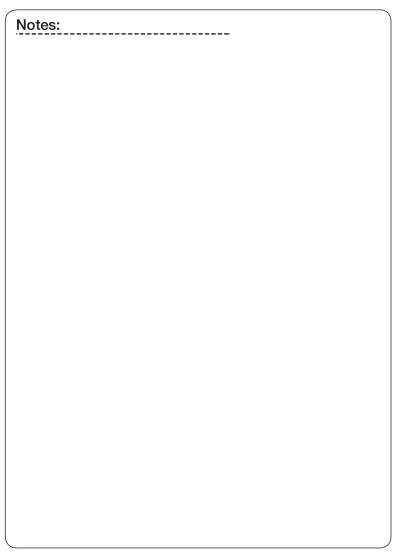


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# **Crewsaver®**

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