HR1E Replacement Instructions

The following instructions cover the maintenance and replacement of the Hydrostatic Release Unit (HRU) for the Ocean Signal range of category 1 EPIRBs. The HRU has a working life of two years from date of installation and should be replaced.

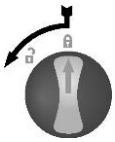
The EPIRB, Automatic Release Housing (ARH) and Hydrostatic Release Unit should be inspected every year, in accordance with the recommendations in IMO MSC/Circ.1040.

Inspection

1. Check that the Expiry Date is marked on both the HRU and on the exterior of the Auto Release Housing. The HRU must be replaced if the expiry date is passed, or imminent.

2. Ensure the housing is in good condition, without signs of damage.

3. Remove the housing cover by depressing the grey knob and rotating anti-clockwise.

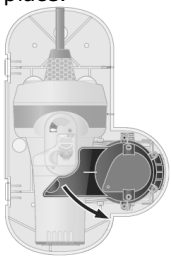


4. Inspect the HRU, spring and other moving parts to ensure they are clean, without signs of corrosion and that they are free to move.

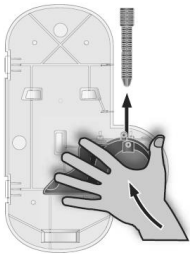
Replacement

1. Remove the housing cover.

2. Remove the EPIRB by lifting the HRU bracket back to release the EPIRB. Keep the EPIRB in a safe place.



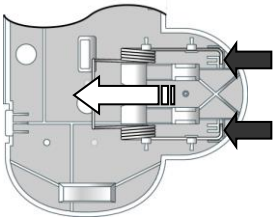
3. Push the HRU down against the spring and remove the black locking pin. This will release the HRU. Take care to release the spring tension slowly to avoid losing the HRU.



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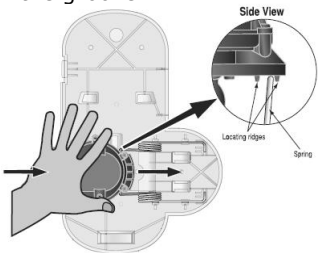
4. It is recommended to replace the release spring and pin when fitting a replacement HRU.

5. To remove the old spring, unclip it from the locking lugs as shown and slide the spring out.

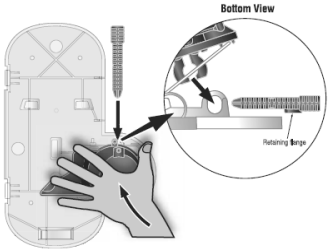


6. Slide the new spring in, making sure it passes under the four retaining clips and lock it into place.

7. Locate the new HRU onto the release spring as show, making sure that the bar of the spring is located in the groove.

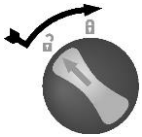


8. Press the HRU down so that the jaws locate within the retaining holes on the ARH base. Fit the new locking pin through the holes, noting that the retaining flange locates in the slot at the bottom of the hole.



9. Fill in the expiry date on the HRU label with an indelible pen[1]. Also fill in the supplied Expiry Date label and fit to the Auto Release Housing, removing the old label first. The expiry date will be two years after the date of installation of the new HRU, but no more than three years after the manufactured date labelled on the HRU.

10. Replace the EPIRB and refit the housing cover ensuring that the two lugs on the left side are engaged correctly. Ensure the release knob is in the release position. Press the knob down and rotate clockwise to lock.



[1] The indelible pen should be UV stable. Ocean Signal recommends the Edding 8404, but other UV stable marker pens, designed for exterior use are suitable.

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