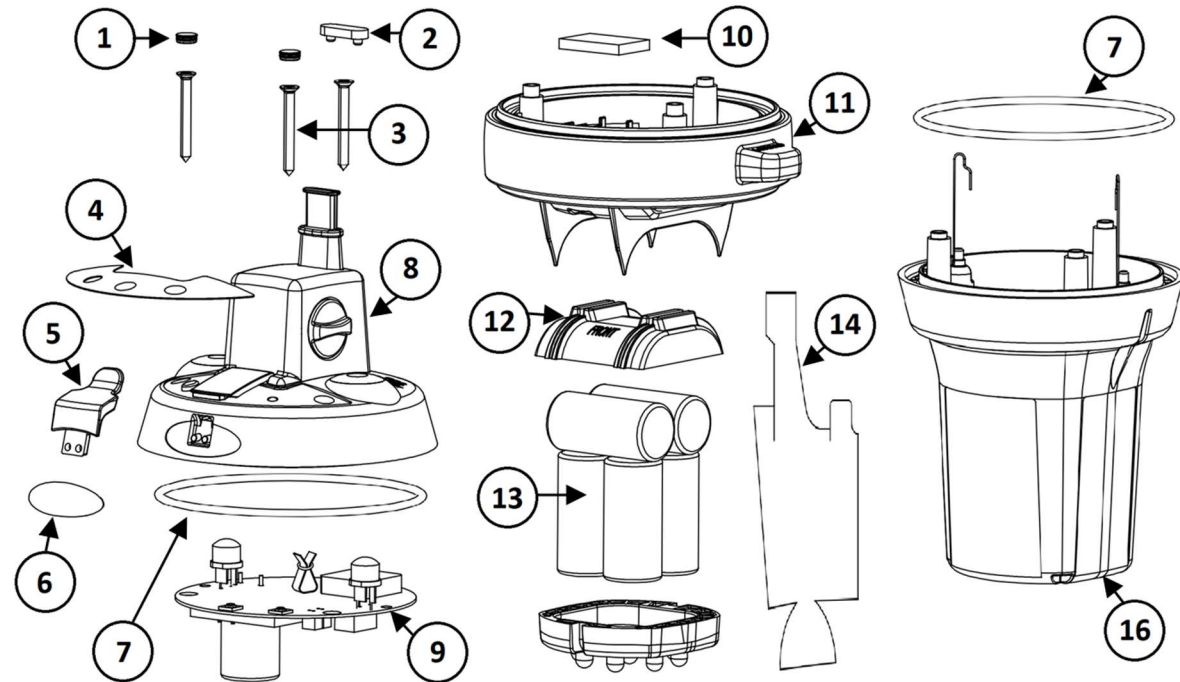


rescueME EPIRB1 Battery Replacement

Pack Contents

- 2x LB8E battery (13)
- 1x Battery ground plane (14)
- 1x Foam Pad (10)
- 3x Screws (3)
- 2x Screw Boss Bung (1)
- 1x Rear Bung (2)
- 1x Top Keypad label (4)
- 1x rescueME label (6)
- 2x O-Ring Case Seals (7)

EPIRB1 General Assembly



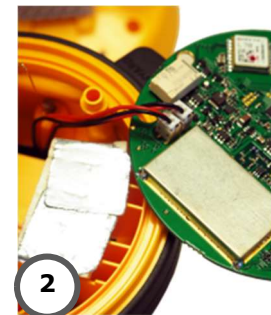
Dismantling

Remove the oval rescueME label (6) and discard. Carefully slide out the red break off tab (5) and set aside. Remove the top keypad label (4) and discard.



Lift out the two round black rubber bungs (1) and the oval black rubber bung (2) at the rear, to reveal the screws [image 1]. Discard the bungs.

Remove the three screws (3) and discard. Lift off the complete lid assembly (8) and set aside.



Carefully lift out the PCB assembly (9) and turn it over to reveal the two battery connectors [image 2]. Remove the battery connectors and set aside the PCB.

Lift out the complete battery and lanyard assembly (10-14). Note how it is assembled [image 3].

Remove the silver battery ground plane (14) and the foam pad (10) that it is attached to and discard [image 4]. Release the elastic band and set aside.

Remove the two rubber battery holders (12) and set aside. Dispose of the two EPIRB1 batteries (13) in accordance with local waste regulations.



rescueME EPIRB1 Battery Replacement

Reassembly

Place the two new batteries into the rubber retainers in the correct orientation with the wires emerging from the left-hand side as viewed from the rear. The widest outer rim of the bottom rubber retainer should be on the rear side of the battery assembly **[image 5]**.

Refit the elastic band to attach the battery assembly to the lanyard assembly.

Open the new folded silver ground plane into a cylindrical shape and insert the battery assembly with the wires to the top. The taped seam of the ground plane should be in line with the front-centre of the battery assembly.

Thread the long tabs of the ground plane into the lanyard assembly. Place the foam pad on the top of the six parallel walls inside the

lanyard assembly, with the backing paper facing up. Remove the backing paper and adhere the ground plane tabs securely to the foam pad **[image 6]**.

Plug in the new battery, observing the polarity of the connector (red cable to edge of the PCB) **[image 7]**.

Replace the first O-ring case seal (7) located in the case bottom (16) and then carefully reinsert the electronics and lanyard assembly making sure the battery is pushed fully into the body and that the water contact springs pass through the holes in the PCB **[image 8]**.

Replace the second O-ring case seal (7) located on the underside of the lid assembly (8). Refit the lid, making sure it closes down on the case body tightly.

In order to avoid cross-threading, loosely insert the three screws into the lid and turn each one counter-clockwise (as if unscrewing) until you feel it drop or 'click' into the existing thread. The screw can then be turned clockwise and tightened to a torque of 0.5Nm.

Fit the new bungs over the three screws and attach the new top label. Reinsert the red break off tab and attach the new rescueME label.

Perform a water integrity (seal) test to ensure there are no leaks and that the EPIRB has been reassembled securely.

Reset the battery counters using the Beacon Config Software.

Retest the EPIRB to ensure full operability.

