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## GLOBALFIX™ V4 406 MHz GPS EPIRB //

Model Number: **RLB-41**  
Product Number: **2830, 2831**

Battery Replacement Kit: P/N 1104

### Equipment/Tools Required:

- Battery Replacement Kit, **P/N 1104**
- Phillips #2 screwdriver
- Clean, dry work surface
- Isopropanol (Rubbing alcohol)
- Clean cotton towel



**Read entire procedure first.**

### Replacement Procedure:

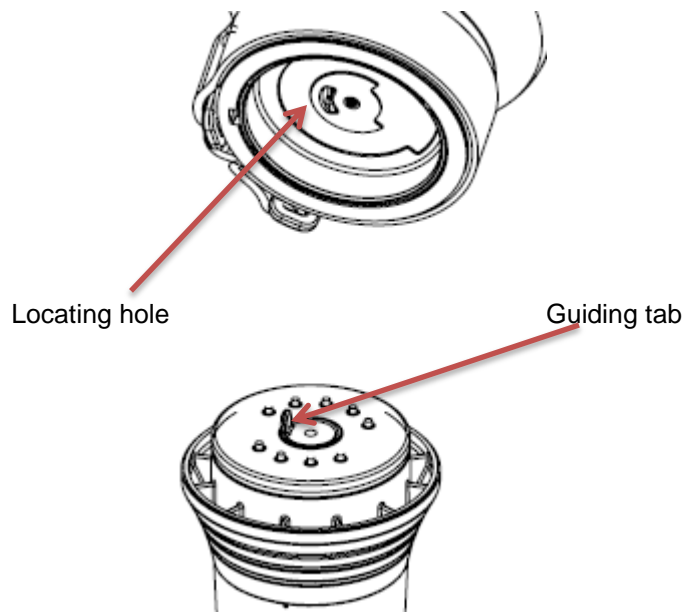
1. Please do a careful visual inspection of the unit. The beacon must be sent to ACR for check-up and refurbishment if any of the following conditions are found:
  - **Any cracks on the polycarbonate body**
  - **Unsuccessful Self-Test**
2. Do a Self-Test on the beacon. MAKE SURE that the unit passes. This is witnessed by 5 short flashes of the Green LED, followed by a white strobe light.

### BATTERY REPLACEMENT

Battery replacement is due 10 years from date of manufacture, after use in an emergency, or by the battery expiry date on the beacon, whichever comes first. During each inspection, check the battery expiration date for the required replacement time. If the unit still passes the self-test at the time of battery expiration, it means the unit is fully functional but the battery must still be replaced.

The RLB-41 has a user replaceable battery. When the replacement of the battery becomes due, a new battery must be bought and installed. A new battery can be acquired from any ACR Electronics, Inc dealer worldwide. Visit the ACR Electronics, Inc. website ([www.acrartex.com](http://www.acrartex.com)) and select the '**Where to buy**' tab at the top right. Make sure that the correct **Part Number** (P/N), as displayed on the battery sticker, is ordered.

Before going further, clean the EPIRB carefully with Isopropanol (rubbing) alcohol. **Do not use any other cleaning fluid.** One can also use a damp cloth but be careful around the water contacts.



**!** Do the replacement in a clean and dry environment

- Remove the single bottom screw with a Phillips #2 screwdriver and discard the screw.
- Carefully pull down on the battery while firmly holding the top of the EPIRB steady.
- Remove the new battery from the packing. Remove the clear plastic cover from the top of the battery. The new battery O-ring must be well lubricated with the grease supplied. Make sure that the contacts and inner receptacle on the EPIRB are clean and dry.
- Carefully align the guiding tab on the top of the battery with the locating hole in the bottom of the EPIRB. Hold the new battery **straight and level** with the bottom of the beacon and press firmly on the battery to push it up into the bottom of the EPIRB. Ensure that the battery O-ring does not pinch or is squeezed out of its retaining groove.
- Hold it seated in this position while inserting the **new screw** and fastening it firmly (7 inch pound) into the bottom of the battery. Do not rotate the battery after it is inserted.
- Do a self-test on the EPIRB to ensure full functionality.
- Place the cover (from the new battery) on the contact end of the old battery and dispose of it within the rules and guidelines of your regional Waste Disposal Authority.

**!** **WARNING: Battery contains Lithium**

To avoid possible fire, explosion, leakage or burn hazard, do not open, recharge, disassemble or heat battery above +70°C (+158°F) or incinerate.

Various beacons may or may not require special shipping instructions due to the Lithium batteries and changes in shipping regulations. Shipping of hazardous materials requires special handling and documentation. MSDS sheets, along with shipping information, can be found on our website at <http://www.acrartex.com>. Select Products, find your specific product page, select Download and see the MSDS sheet in the drop down list.

In the case of the RLB-41, the product contains one sealed user replaceable battery that is non-hazardous. However, regulations can change. Be advised that it is best to verify the shipping requirements at the time you are preparing to ship the unit.

**!** **NOTE:** ACR Electronics has a commitment to provide for a safe environment. ACR recycles lead products, circuit boards, Lithium and Nickel Cadmium Batteries. ACR Electronics encourages all Battery Replacement Centers to have a Recycling Plan. Please contact us if you have a question about recycling ACR products.