

# Instructions

## Smart Locator Battery Replacement

### Introduction

This guide describes how to replace the coin cell batteries in the smart locator tents.

### Compatibility



- RBT-002 Locator Tent

### Revisions

Date	Description	Revised by
2018-02-15	Initial version.	W. Shepherdson

### Parts Required

The following parts are required for battery replacement.

QTY	Item	Picture
1	Smart Locator	
2	CR2032/3V coin cell battery 220mAh capacity	


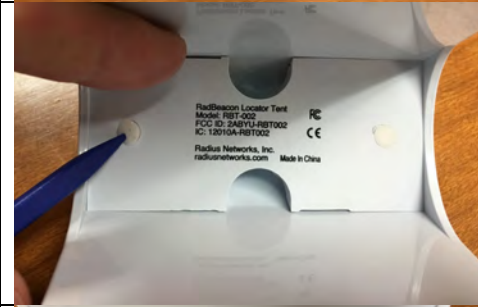




### Tools

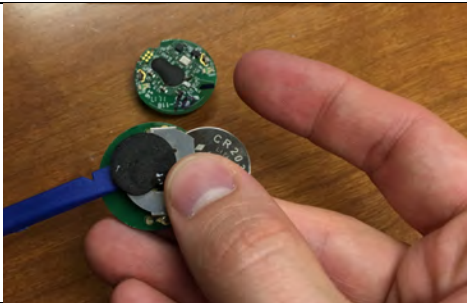
The following parts are suggested to speed up the disassembly of the smart locators.

Tool Needed	For Use With	Link	Required?
TA20 Triangle Head Screwdriver or Insert Bit	Disassembling locator	Screwdriver: <a href="#">Amazon</a> Insert: <a href="#">Amazon</a>	Required
Metal Spudger Pry Tool	Removing locator from tray	<a href="#">Amazon</a>	Required
Nylon Pry Bar w/Beveled End	Removing plastic caps	<a href="#">Amazon</a>	Required
Cordless/corded screwdriver	Quicker locator assembly and disassembly		Optional

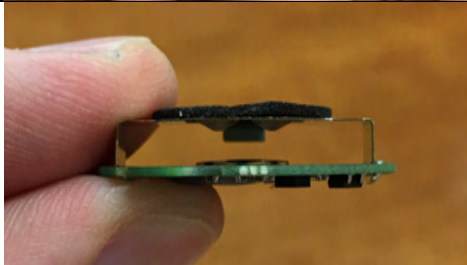


## Instructions

	<p><b>Start:</b> Each locator contains battery-powered circuit boards that allow them to be located by the customer location solution.</p> <p>The estimated time required to disassemble, replace the battery, and re-assemble the locator is <b>2-3 minutes using hand tools</b>.</p>
	<ul style="list-style-type: none"> <li>• The smart locator is disassembled from the bottom of the locator.</li> <li>• Use a screwdriver or the beveled end of the nylon pry bar to remove the <b>two (2) plastic caps</b> from the bottom of the locator.</li> <li>• Keep the two plastic caps.</li> </ul>
	<ul style="list-style-type: none"> <li>• Use the TA20 Triangle Head screwdriver or insert bit to remove the <b>two (2) TA20 screws</b> from the locator.</li> <li>• Keep the two screws.</li> </ul>
	<ul style="list-style-type: none"> <li>• Remove the tray using the two finger tabs.</li> <li>• <b>Suggestion:</b> If the tray sticks, the screwdriver or a metal pry tool can be used to easily remove the tray.</li> </ul>
	<ul style="list-style-type: none"> <li>• The tray contains two circuit boards specifically programmed for that locator. Important: keep the circuit boards with the locator – do not mix and match.</li> <li>• A <b>groove in the circuit board</b> (indicated with blue circles in the diagram) aligns with a jut in the injection molded tray.</li> </ul>
	<ul style="list-style-type: none"> <li>• The circuit board is attached with black adhesives to the bottom of the tray.</li> <li>• Insert the flat end of the metal spudger pry tool against the edge of the circuit board and plastic tray, all the way to the bottom of the tray, under the adhesive. Apply pressure and the circuit board and adhesive will separate from the tray to allow the circuit board to be removed.</li> <li>• Repeat for the second circuit board.</li> </ul>



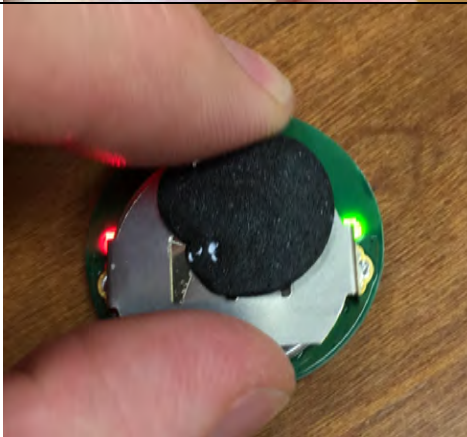
- The circuit board typically will still have the adhesive attached when removed.
- **Remove the CR2032 battery** from the battery holder using the nylon tool to slide the battery from its holder.
- Repeat for the second circuit board.



- The battery holder should **snugly fit the CR2032 battery**.
- If the battery holder was deformed during the removal of the battery, adjust it so that it fits the battery snugly.
- Repeat for the second circuit board.



- **Insert a fresh CR2032/3V coin cell battery** into the battery holder on the circuit board with the labeled side face up (as pictured).
- Repeat for the second circuit board.



- When the battery is inserted, the **LED light on the circuit board will briefly illuminate** once the new coin cell battery is properly inserted. (The LED turns off in a second or two after the beacon powers on.)
- If the light does not illuminate, confirm the battery holder is properly secured and re-seat the battery in the holder. Confirm that the battery is fresh if the light still does not illuminate.



- Replace the circuit board in the tray, **aligning the groove in the circuit board with the jut in the tray**.
- The adhesive will then hold the circuit in place.
- Repeat for the second circuit board.



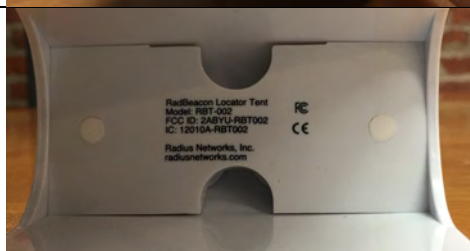
- Once both circuit boards have been placed, the next step is to re-assemble the locator.



- Hold the tray with two hands, align it with the underside of the locator, and lift it to fit it to the locator.
- Apply pressure to assemble the tray and the locator. The tray should seat firmly in the top of the tent.



- Flip over the tent and adjust the tray positioning if necessary. The two holes for screws should be aligned.
- Use the TA20 Triangle Head screwdriver or insert bit to re-assemble the locator using the **two (2) TA20 screws** that were previously removed.
- Replace the **two (2) plastic caps** on top of each of the two screws, in the same orientation as before, with the sticky side attached to the head of the screw.



**Finish:** The coin cell batteries have been replaced and the smart locator has been re-assembled.