

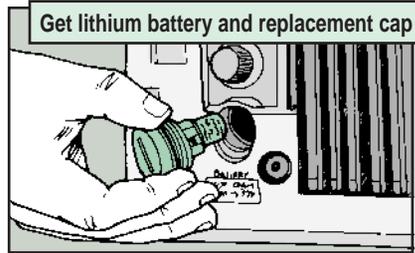
# Beating the Battery Blues

The RT-1539 receiver-transmitter gives mobile subscriber equipment (MSE) secure VHF FM communications. But the security is only as good as the fill battery that holds programmable data—and that's where three problems are:

## Problem One

When your RT was fielded, it used a BA-1318/U battery, NSN 6135-00-295-2619, that was held in place with a cap, NSN 6140-01-315-4810.

But that mercury battery has been replaced with a lithium one, NSN 6135-01-214-6441. The BA-5372/U lithium battery lasts longer, it's safer to use and it's less harmful to the environment.



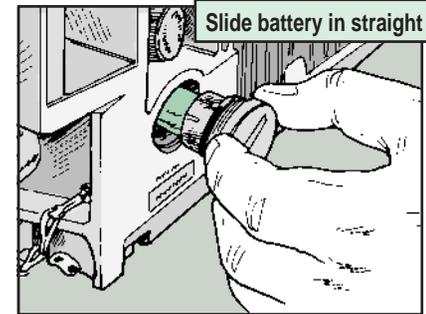
The old battery cap does not work with the new battery. The new battery is longer than the old one and the old cap is not deep enough to hold it.

Order a new cap that will work with NSN 6140-01-381-6352.

## Problem Two

When you replace a battery and its cap, make sure you insert the new battery straight into the compartment. A

battery inserted at even a slight angle leads to worn battery compartment threads, poor battery contact and a poor cover seal that lets water into the compartment.



Use a screwdriver to snug up the battery cover. For a tight fit, make sure the O-ring enters evenly into the battery compartment. Once the battery is installed correctly, the O-ring should not be visible.

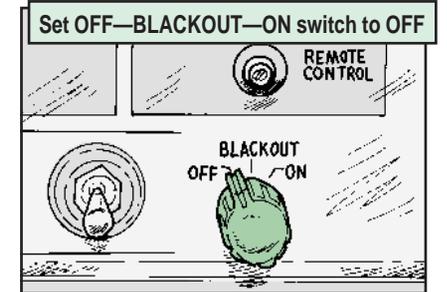


## Problem Three

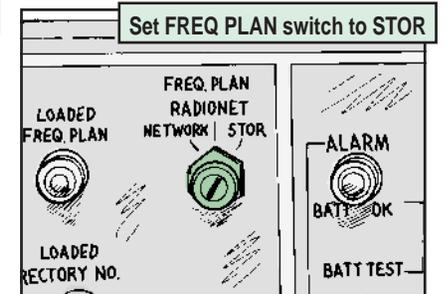
The new battery can be drained, just like the old one, if you don't shut down your RT right.

With the OFF—BLACKOUT—ON switch set to OFF, the main power to the RT is shut down. If the **FREQ**

**PLAN** switch is left in the **NETWORK** or **RADIO NET** setting, the RT then draws power from the battery. The battery runs down and stored data is lost.



Here's how to stop that power drain. When you're ready to shut down the RT, set the **OFF—BLACKOUT—ON** switch to **OFF**. Then set the **FREQ PLAN** switch to **STOR** with a small-blade screwdriver. That allows the battery to hold the programmable data in memory.



The next time you power up your RT, you can reestablish the previous frequency plan by switching the **STOR** switch back to **RADIONET** or **NETWORK**. Or you can load a new frequency plan.

