

BEATING THE BATTERY BLUES

There's not much unit maintenance required on the SINGGARS' AN/CYZ-10 Automated Net Control Device (ANCD), but there is **some**. For instance, the batteries and battery compartment are your responsibility.

And let's face it, some of you are not taking that responsibility seriously. That's understandable. They're just batteries. There can't be much to it, right?

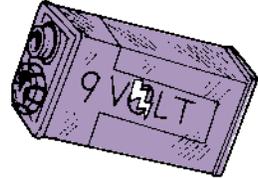
Wrong! There's a lot to know about battery maintenance on the ANCD. Here are a few things to get you moving down the learning trail.

Use the Right Batteries

The ANCD uses three 3-volt lithium batteries, BA-5123/U, NSN 6135-01-351-1131. Nothing on the battery identifies its BA number or NSN. In an

emergency, a 9-volt lithium or alkaline can be used, but it will not last as long as the BA-5123/U's.

In a pinch, a 9-volt battery will do



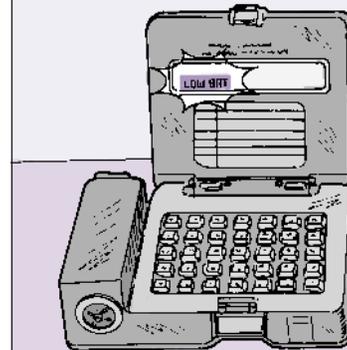
Never substitute look-alike batteries like the BA-5372/U for the BA-5123/U. The last guys who did that are buying new ANCDs to replace the ones that were destroyed by high heat.

Install Them Right

You can figure on replacing the batteries in a regularly used ANCD about every 30 days. The ANCD will tell you when your battery time is up.

First, you will get a low battery indicator message readout: LOW BAT. This message will be displayed continuously after a low battery is detected and will give you enough time, in most cases, to complete your current operation.

LOW BAT is your first indicator

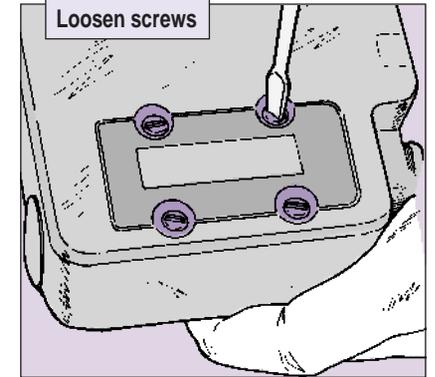


When time has almost run out, the low voltage detector (LVD) will acti-

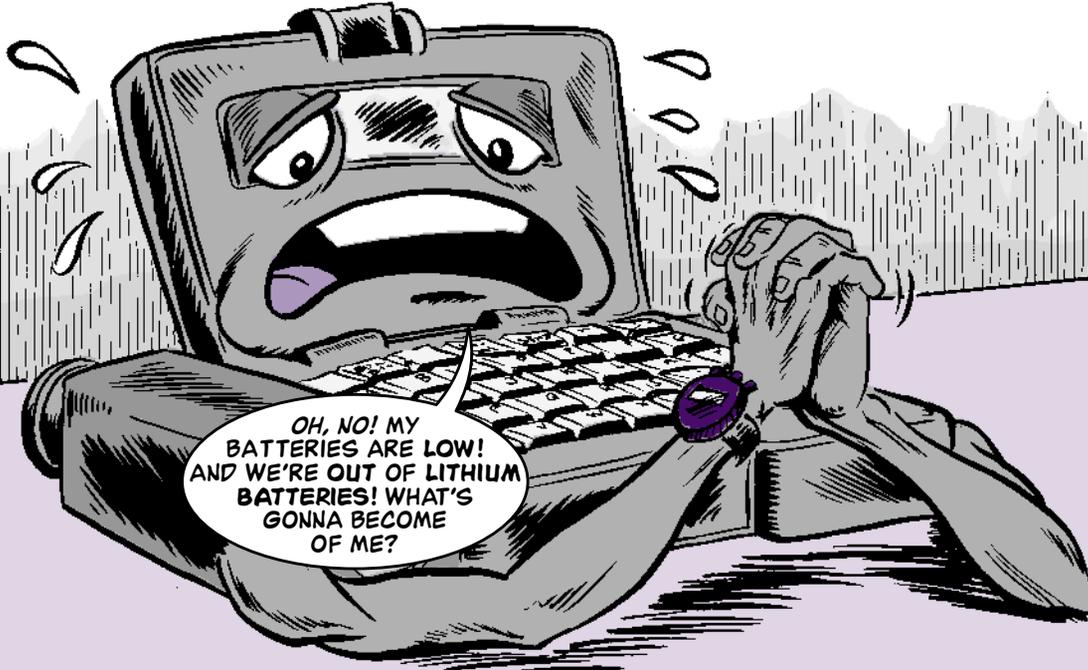
vate, sounding an alarm. You will have enough time to shut down the ANCD in an orderly and secure manner, but not much more.

To replace batteries, first remove the battery cover, NSN 5810-01-347-9668, by loosening the four screws.

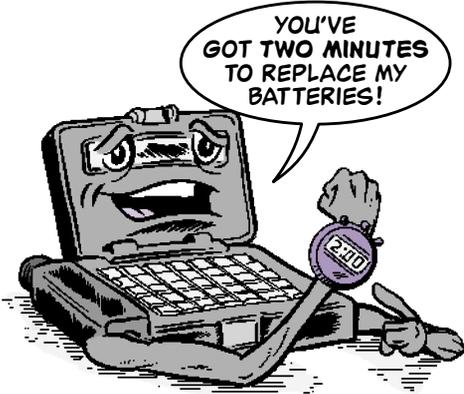
Loosen screws



Carefully insert a flat-tip screwdriver under the extension lip and pry up the battery housing, NSN 5810-01-348-3147.



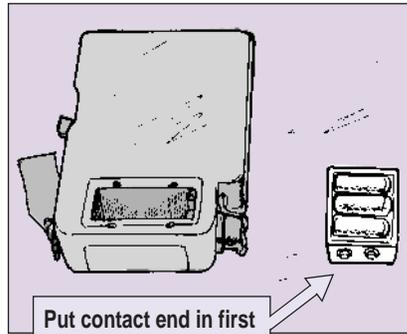
Once the battery housing is disconnected from the ANCD, you've got 2 minutes to replace the batteries and reconnect the battery housing. After 2 minutes, data is lost and the ANCD must be initialized again.



Don't try to save money on batteries; replace all three each time. Make sure the polarity is correct as you install each new battery. It's important to

do it right the first time, because you might not have the time to do it a second time.

Put the housing back into the ANCD with the contacts going in the slot first. The housing will not fit if you put the non-contact end in first.



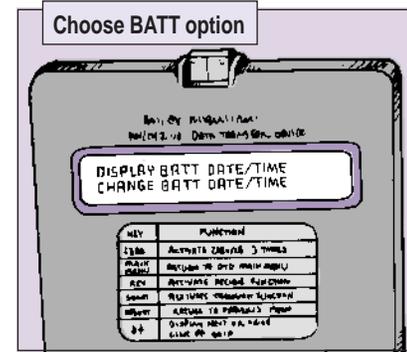
Tighten down the four battery cover screws, but don't overtighten them. You'll crack the cover if you do.

Turn on the ANCD to make sure the batteries are working.

Reset the Clock

Now go to the SETUP screen on the ANCD and choose the BATT option. The screen will show, **Display Batt Date/Time** and **Change Batt Date/Time**. Choose **Change Batt Date/Time**. Hit the ENTER key and the current date and time will automatically be entered as the date/time of the battery change.

If you're at this option only to check on the last installation date, make sure you don't hit ENTER on the **Change**



Batt Time/Date. The ANCD will assume you have installed new batteries and enter the current date and time.

Good Contacts

As you install the battery housing, take a look at the positive and negative contacts on the ANCD. Are they loose? Any burn marks? Do the burn marks limit the electrical contact? Good electrical contact is a must.

Unit maintenance can replace both the negative contact, NSN 5810-01-350-8388, and the positive contact, NSN 5810-01-350-8387.

They will use a 1/16-in hex head screwdriver to remove the screws that hold the contacts. Then they will replace the contacts, making sure to get them in the right positions.

They will tighten the screws without overtightening or they could crack the case.

