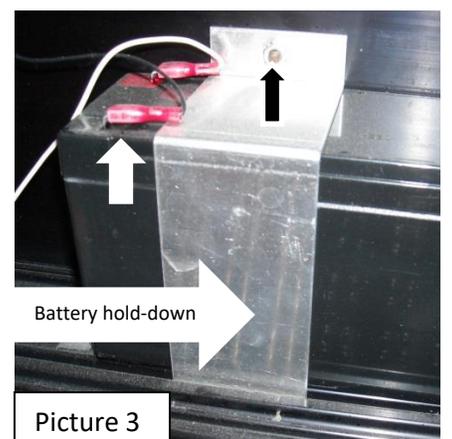
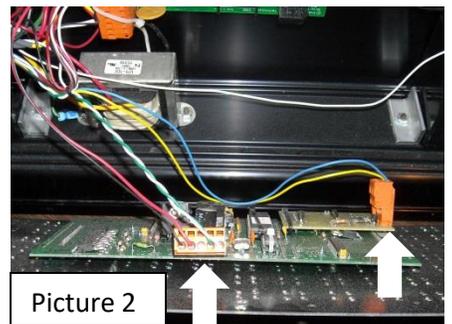
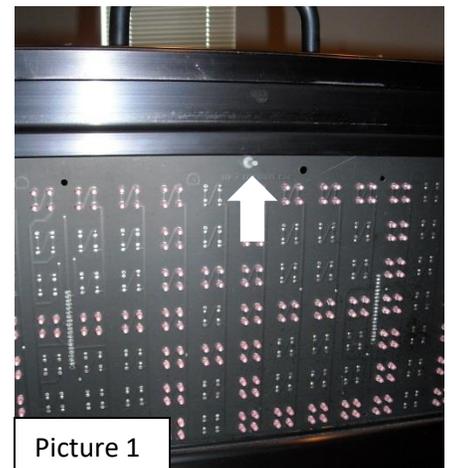


## SWIMCOUNT-HX & SWIMCLOCK-HX BATTERY REPLACEMENT

The batteries on the SWIMCOUNT-HX and SWIMCLOCK-HX are not specifically designed to be replaced by the user. However, if your clock's 5 year warranty (2 years on batteries) has expired, you may want to try it yourself. **PLEASE NOTE: On some older clocks, the batteries are wired differently than described below. Observe how the batteries are connected and install the new ones the same way.**

You will need:

- 2 12-volt, rechargeable, lead-acid batteries with Faston spade connectors. These batteries are available from IST for \$35.00 each or you can purchase them locally. This model is widely used and should be available from any battery vendor. Take the old batteries with you to make sure you get the right model. The vendor may also recycle the old batteries for you.
  - A large Phillips screwdriver
  - Needle-nose pliers
1. Looking at the clock from the lens side, remove the 4 Phillips screws from the corners of the right side plate. Corrosion may make this difficult. Using a penetrating spray like WD40 may help.
  2. Slide the red Plexiglas lens out of the clock. Do not drop the lens as it can shatter and cause injury.
  3. See picture 1. At the center top of the LED panel, you will see a white pop-rievet. Use the needle nose pliers to pull out the center pin, and then the outer part of the pop-rievet can be removed. If possible, keep this to reinstall after the battery is replaced. It keeps the LED panel from bouncing out of the channels when the clock is moved.
  4. To remove the LED panel, slide it up and carefully pull out from the bottom. Don't yank on the wires attached to the back of the panel!
  5. See picture 2. Note the orientation of the orange connectors on the circuit board on the back of the LED panel. Unplug the connectors and set the LED panel aside.
  6. See picture 3—white arrow. Slide the spade connectors off of the batteries' terminals. Note the orientation of the terminals.
  7. See picture 3—black arrow. Locate the Phillips screws on the back of the clock case that screw into the nuts on the battery hold-down straps and remove them. You can now remove the old batteries.
  8. Put in the new batteries, keeping the orientation of the terminals the same as the old ones.
  9. Replace the hold-down brackets and screw in place.
  10. Replace the terminal cables, making sure the black wire connects to the black terminal and the red wire connects to the red terminal. You should feel the connector snap into place.
  11. Reconnect the orange connectors to the circuit board.
  12. Replace the LED panel in its channel and if possible, replace the pop-rievet in the center hole at the top of the LED panel.
  13. Before replacing the lens, you might want to give it a thorough cleaning with a soft cloth and glass cleaner or a solution of white vinegar and water.
  14. Slide the lens back into its channels.
  15. Replace the side plate with the 4 screws.
  16. Before using the clock again, you should charge it for 12 hours.



If you have any problems replacing the battery, feel free to call IST at 800/835-2611 for assistance.