

Tips for Optimizing ADA Pool Lift Performance and Longevity

A Guide to Care and Maintenance

2014

Tips for Optimizing ADA Pool Lift Performance and Longevity

BATTERY CHARGING & INSTALLATION

The battery is shipped out of the manufacturer's facility fully charged, but it will need to be recharged after the first several hours of use. Charging time is approximately 12 hours for the first few charges, 4 hours after the first two full battery cycles, at which point the battery will reach maximum capacity. The lift comes with a battery charger for use in dry locations.

Charge the battery daily as follows:

- Plug the battery charger into a standard (110 VAC) outlet. The green LED on the charger will light up, indicating that the charger is on.
- Plug the charging cable into the charging port on the back of the battery. If the battery is up to the charged voltage, the LED on the charger will stay green. If the charger determines that the battery needs to be charged, the LED on the charger will change to red.
 - NOTE: If the battery light is green but your lift is inoperable, it is possible that the battery is no longer able to hold a charge. Please check the battery voltage with a voltage meter; a fully charged battery is 24+ volts. If the voltage is low, contact Spectrum Aquatics to discuss repair or replacement options.
- The red LED will turn green when the battery is fully charged. This charger has internal monitoring circuitry that will not overcharge the battery. If the battery is left on the charger for extended periods of time, the charger will go into short charging cycles at intervals to keep the charge level at optimal.
- When the battery is fully charged, remove it from the battery charger and install the battery on the lift. The Battery Capacity Indicator on the receiver will show a green LED, indicating that the battery is fully charged and installed properly. When the LED changes to amber, the lift is still OK to use, but the battery should be recharged as soon as possible. When the LED changes to red, the battery pack needs to be recharged.
 - NOTE: Battery should remain on the lift during all pool operational hours to ensure ADA compliance.

Important tips for prolonging the life of your battery:

- To keep the battery from discharging to the point of causing damage, it is recommended to **charge the battery daily**, even if the battery has not been installed on the lift.
- When the lift is not in use, and the battery is installed on the lift, the battery will hold a charge significantly longer **if the push button switch is placed in the "off" position**. This electrically disconnects the battery from the unit, and will allow the battery to go up to 3 months without a charge cycle. If the switch is left on continuously, the battery may need to be charged daily.
 - NOTE: When the switch is in the "off" position, the battery capacity indicator light on the receiver will be off, and the lift will not work.

Tips for Optimizing ADA Pool Lift Performance and Longevity

What you can expect from a properly maintained battery:

With proper care, the battery should last approximately 90 cycles at the full 350lb load rating of the lift before it needs recharging. The battery will need to be replaced after 500 to 800 charge cycles or 3-4 years if properly maintained (approximately 20,000 lifting cycles).

In emergency situations when transmitter battery failure occurs:

Activate the Emergency Up/Down rocker switch (located on the left side of the receiver), rock the switch and the lift will move in the direction indicated. These buttons can be used if the transmitter battery dies, or in the event of an emergency.

CHANGING A TRANSMITTER BATTERY

To change the transmitter battery, turn the transmitter over and unscrew four small Phillips head screws. Carefully open the transmitter case and remove the battery. This battery (3V lithium Type 2032) is stocked at most stores where coin batteries are sold. Under normal operating conditions, this battery should last at least two years. The transmitter must be reprogrammed to the lift unit after the battery is changed.

RECCOMENDED POOL LIFT CARE AND MAINTENANCE SCHEDULE

Task	Daily	Weekly	Monthly
Charge battery	✓		
Rinse lift with non-chlorinated water and wipe dry.		✓	
Clean with Spectra Clean to passivate the stainless steel.		✓	
Apply dielectric grease to receiver/battery contacts.		✓	
Test lift for full operation.		✓	
Inspect all hardware to insure that it is snug.			✓
Lubricate all pivot points with light 3-in-1 oil (WD-40).			✓
Grease lower bearing assembly with FDA-approved grease.			✓

Tips for Optimizing ADA Pool Lift Performance and Longevity

POOL LIFT TROUBLESHOOTING GUIDE

Problem:	Cause:	Solution:
1. Lift will not operate at all:	<ul style="list-style-type: none"> a) Low battery (lift) – Red or amber LED on the receiver b) Damaged battery (Lift) – Red LED on the receiver c) Dead battery (transmitter) d) Remote locked e) Battery fuse blown f) Battery push button switch in the “off” position 	<ul style="list-style-type: none"> a) Recharge battery b) Replace battery* c) Replace battery - 3V Lithium 2032 d) Push unlock button for 2 seconds e) Replace battery fuse f) Depress push button switch into the “on” position
2. The seat will not raise, lower or rotate:	<ul style="list-style-type: none"> a) Low battery (Amber LED on receiver) b) Battery not installed properly c) Receiver malfunction 	<ul style="list-style-type: none"> a) Recharge battery b) Reinstall battery c) Replace receiver*
3. The seat’s motion isn’t smooth or sticks at a certain point during travel:	<ul style="list-style-type: none"> a) Excessive wear to bearings b) Excessive wear to actuator 	<ul style="list-style-type: none"> a) Replace bearings* b) Replace actuator*
4. The seat travels much slower than normal.	<ul style="list-style-type: none"> a) Low battery b) Defective or worn-out battery 	<ul style="list-style-type: none"> a) Recharge battery b) Replace battery*
5. The lift makes much more noise or unusual noises during operation:	<ul style="list-style-type: none"> a) Excessive wear to bearings b) Pivot points galling 	<ul style="list-style-type: none"> a) Replace bearings* b) Oil pivots with light oil (3-1)
6. Battery will not charge:	<ul style="list-style-type: none"> a) Charger fuse blown b) Bad battery (red LED on charger – not turning orange or green in 4 hours or less) 	<ul style="list-style-type: none"> a) Replace charger fuse b) Replace battery*

*Please contact your local distributor or Spectrum Customer Service to order parts 406.532.6321.