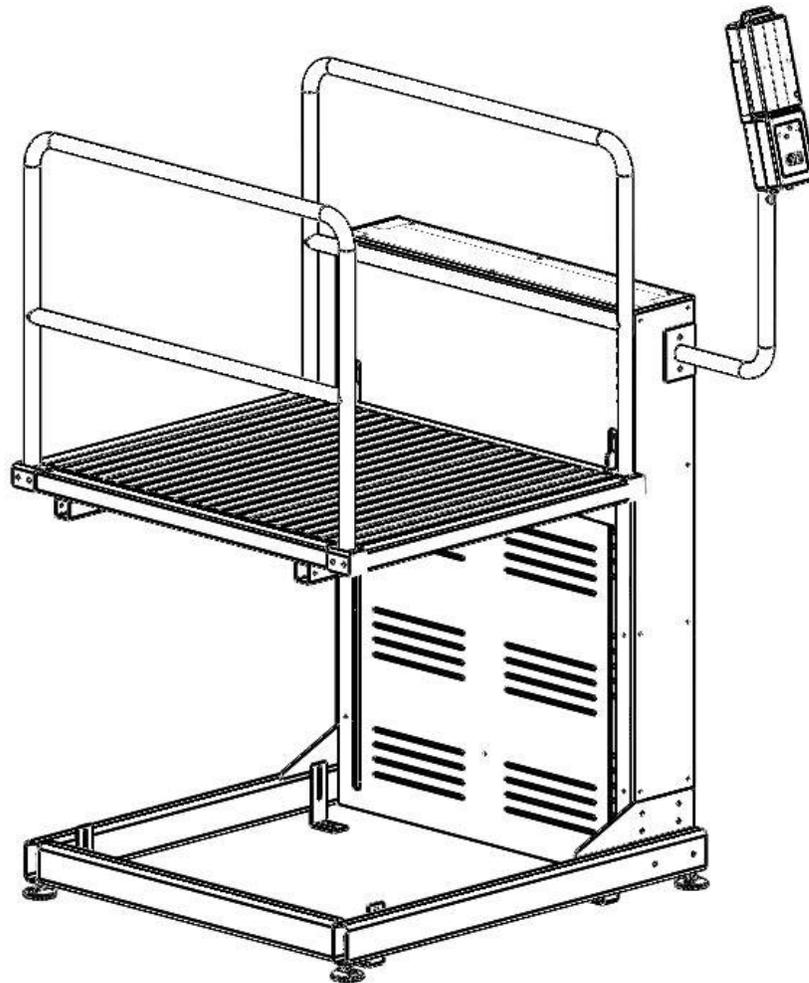


Platform Lift

42700- 48, 42700-56



SPECTRUM[®]
Aquatics

A PLAYCORE Company

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42700-48, 42700-56 Man Rev A

You have purchased a Spectrum Products Platform Lift . Providing the unit is installed correctly and properly maintained, it will furnish you with many years of trouble free use. It is important to read this entire manual prior to beginning assembly or operation.

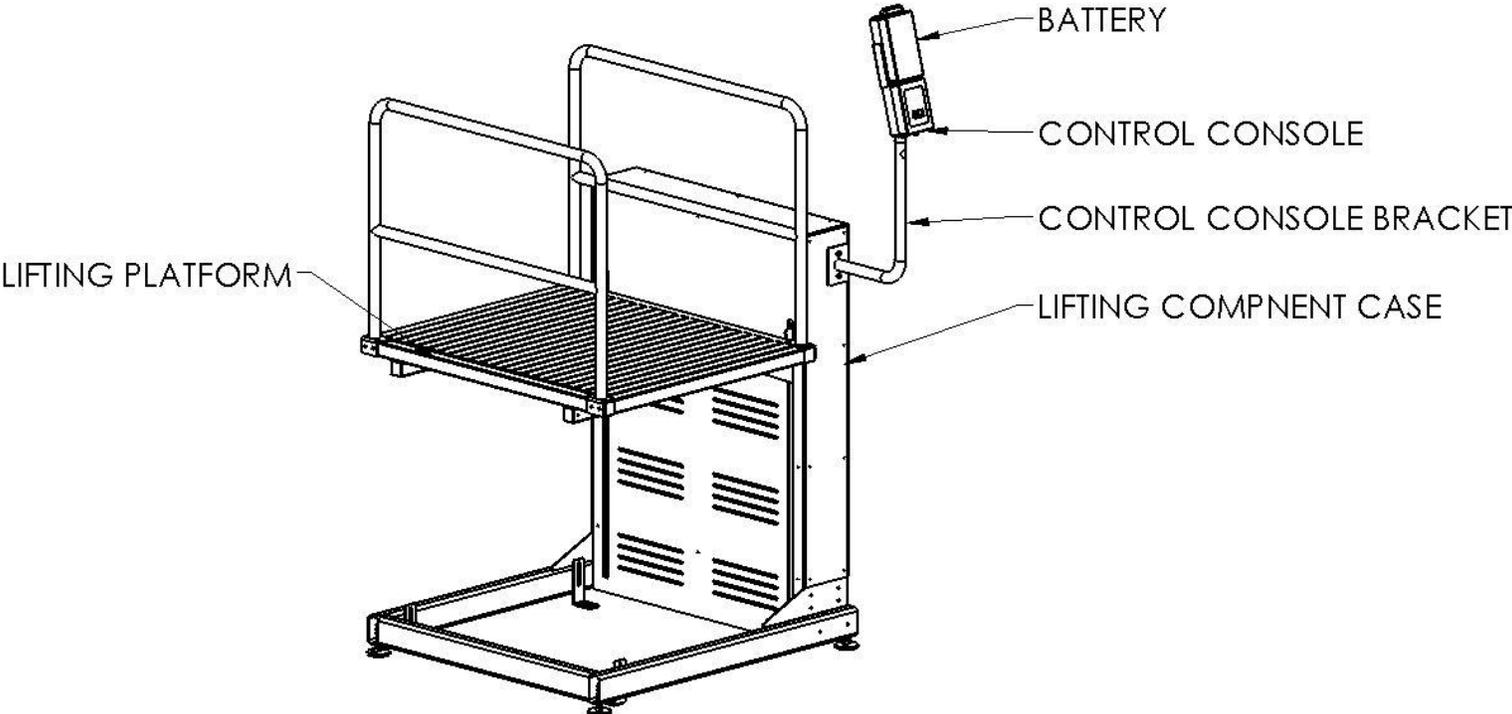
SHIPPING INFORMATION:

Each lift will arrive partially assembled in one crate. Before accepting the lift from the carrier, inspect for visible damage and match the contents with those listed below. Spectrum is not responsible for lost or damaged freight.

The crate will contain all structural components and hardware. The following is a list of the components included with your shipment from Spectrum. Use Components and Hardware Figure, page 2, as a reference to identify each item listed.

1	Platform Lift Assembly	4	Wireless Transmitters (Not Shown)
2	Batteries (1 Shown)	1	General hardware package (Not Shown)
1	Charger (Not Shown)	1	Control Console Bracket

COMPONENTS AND HARDWARE



* Anti Entrapment net not shown, as net changes with specific lift installation

ASSEMBLY/INSTALLATION INSTRUCTION

The following tools will be required to complete assembly and installation of the lift:

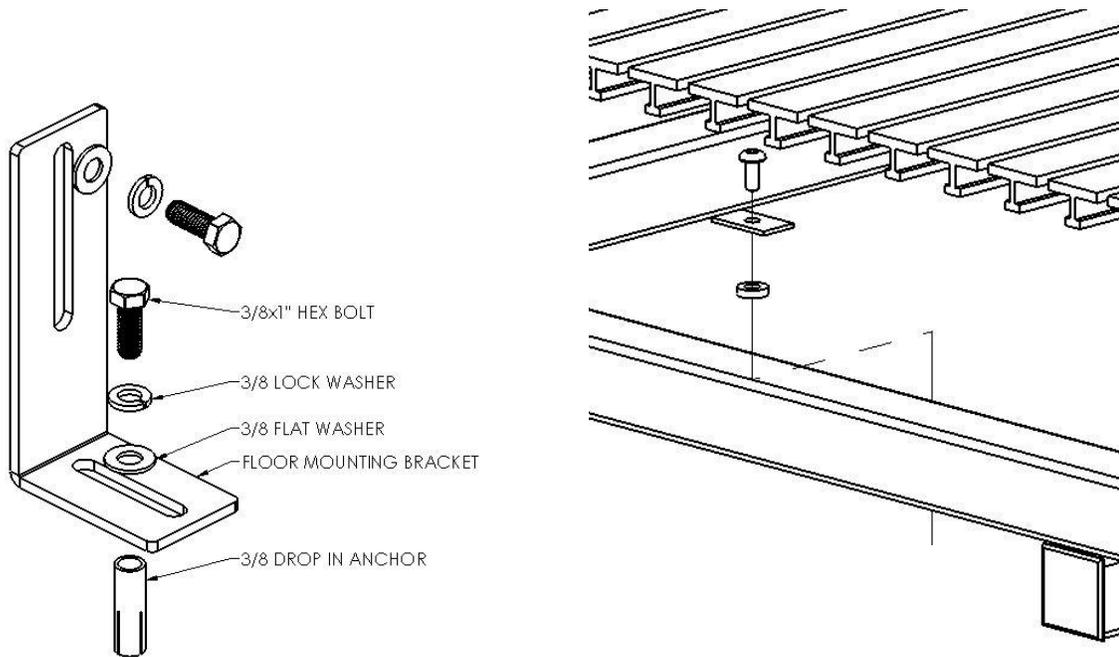
- 1/8", 3/16", 5/32", and 7/32, Hex Keys (Allen wrench's)
- 9/16" ratchet or open-end wrench
- 1/2" Hammer Drill
- Hammer
- Level (4')

Pool/Spa Depth:

To comply with ADA guidelines the lift must be installed where the water depth does not exceed 48". If the entire pool is deeper than 48" this requirement does not apply.

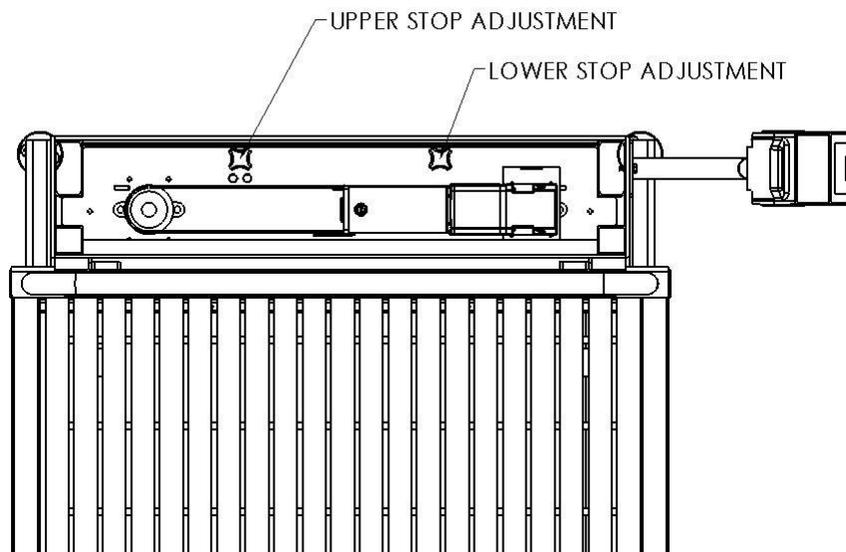
Bolting lift to Pool floor – Lift Bonding (Electrical)

Locate a bonding source to bond (ground) the lift. The steel rebar-bonding grid of the pool deck is a good choice for bonding the anchor. Attach a No. 8 solid copper wire (NEC Section 680-22) from the bonding bolt on the base of the anchor to the bonding grid. Spectrum suggests mounting the bonding wire to the bolts of the floor mounting brackets. To gain access to the leveling pads and Floor Mounting Brackets you may need to remove the lifting platform grating by removing the (4) 5/16" – 18 x 1" button head screws and grating clips (See figure on page 4). The (4) floor mounting brackets are located by each leveling pad on the base of the lift. The leveling pads are shown on page 4 of this manual and are used to plumb/level the lift. To level the lift, level the base with an appropriate level by adjusting the leveling pads. Once the lift has been leveled/plumbed, the (4) floor mounting brackets can be installed. To install the bolt the Floor Mounting Brackets to the lift with the hardware shown below, and mark the concrete for installation of the 3/8" drop in anchor. Install the drop in anchors by using a 1/2" diameter hammer drill to drill the concrete to a depth of 1 1/2", make sure all debris is removed from the hole. Set the 3/8" drop in anchor in the cleaned hole using the supplied anchor setting tool and hammer. Once the drop-in anchors have been installed in the concrete, tighten all 3/8" hardware holding the brackets and lift in place (see figure on page 4).



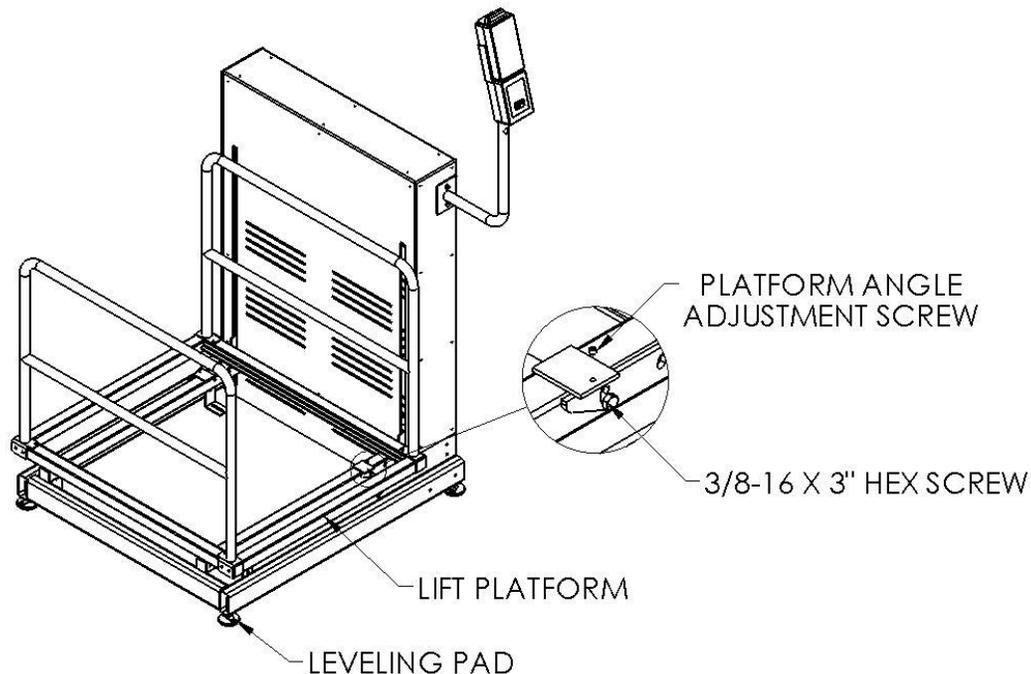
Deck Height adjustment

The deck height adjustment is controlled by 2 electronic switches that are adjusted with 2 knobs located inside the lifting case, to gain access to the lifting case remove the top cover by removing the (6) 1/4" – 20 x 3/4" button head bolts to expose the upper and lower stop adjustment (as shown in the figure below). Turning the upper stop adjustment knob CW results in raising the height that the Lifting Platform will stop at when the lift platform is in the uppermost position, CCW lowers the uppermost stop. Turning the lower stop adjustment screw CCW lowers the lowest extent of travel of the Lifting Platform; conversely turning the knob CW raises the lowest extent. The knobs turn freely throughout their ranges of travel, forcing them to turn beyond this extent may damage the assembly.



Deck Angle Adjustment

Depending on the plumb of the lift and the angle of the deck where in the up position the platform matches up to the pool deck - it may be necessary to adjust the angle of the platform to align with the pool deck. This can be accomplished using the platform angle adjustment screw as shown in the figure below. To adjust the platform loosen the (6) 3/8-16 x 3" hex screws that hold the Lift Platform on to the carriage assembly. Then tighten or loosen both Platform Angle Adjustment Screws to change the angle of the Lift Platform. When the desired angle has been achieved, tighten the (6) 3/8" - 16 x 3" hex screws to lock the lift platform in place.



If the Lift platform cannot be adjusted sufficiently by the steps above to meet up with the pool deck, the Leveling pads at the bottom of the lift must be re-adjusted to allow an even plane between lift platform and the pool deck.

FINAL LIFT ASSEMBLY

- a. Unbox the Control Console assembly, batteries and Transmitters
- b. Remove the top cover of the lifting case by removing (6) 1/4" - 20 x 3/4" button head screws. Route the control wires coming out of the control console bracket through the 1/2" hole in the side of the lift case. Bolt the Control Console to the lifting component case using (2) 3/8" x 1" Button head screws and 3/8" lock and flat washers. There are

two connectors (4 pin, 2 pin) connect the wires to the respective connectors inside the lift case.

- c. Slide the battery down until it mates with the Wireless Receiver, and locks into place. When properly installed the battery will sit flush against the top of the Wireless Receiver. The Control Box battery indicator light should indicate a fully charged battery (Green Light). If the battery indicator light does not illuminate, ensure that the battery is turned on by pressing the push button on the front of the battery case to the on (in) position. If the battery indicator light shows amber or red, charge battery before moving to the next step.
- d. Test lift operation by pushing the up and down switches on the Wireless Transmitter to ensure the lift is operational (See page 6 for instructions on using the Wireless Transmitters).

OPERATOR'S GUIDE

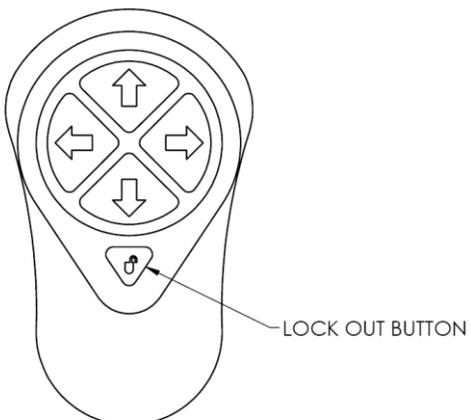
WARNING! Read all operating instructions before operating the lift. Make sure that all individuals using the lift have read the instructions and have been made aware of all safety precautions.

WARNING! Operate the lift exactly as described in the instructions above. Failure to do so may result in damage to the lift or personal injury.

WARNING! Do not exceed the maximum lifting capacity of 600 lbs. This may result in damage to the lift or personal injury.

Basic Principals of Lift operation

Activation of the Transmitter (Bottom Button, with a lock on it)



As a safety feature of this transmitter, there is a lockout button that is just below the four directional arrows. To activate the transmitter (wake from sleep mode), the lockout button needs to be pushed and held for a full 2 seconds. If the transmitter is not used within two minutes after the transmitter has been activated, it will go back into sleep mode.

***The Right/Left directional arrows are not used on this model.**

Lifting (UP)(▲):

Pressing the (▲) button causes the lift platform to rise. The lift platform will continue to rise as long as the button is pressed, or until the lift reaches its highest extent. Releasing the button at any time during travel will cause the lift to stop.

Lowering (DOWN)(▼):

Pressing the (▼) button causes the lift platform to lower. The platform will continue to lower as long as the button is pressed, or until the lift reaches its lowest extent. Releasing the button at any time during travel will cause the lift to stop.

Use extreme caution when transferring to or from the lift; it is the responsibility of the user to allow for safe operation of this lift.

To enter the Pool or Spa:

- A. Unlock remote by holding the Lock button on the transmitter for 3 seconds (lift will be operational for 2 minutes)
- B. Bring the lift platform to the deck position using the up/down directional arrows
- C. Carefully transfer onto the lift platform from mobility device, or move submersible rated mobility device onto lift deck
- D. Lower the lift platform into the water until buoyant, by pushing the down button.
- E. Carefully transfer from the lift platform or mobility device into the pool.
- F. Return the lift platform to the deck position.

To Exit the Pool or Spa:

- A. Unlock remote by holding the Lock button on the transmitter for 3 seconds (lift will be operational for 2 minutes)
- B. Recall lift platform into water to the previous depth upon transferring from the platform to the pool using up down directional arrows.
- C. Carefully transfer from the water onto the lift platform, or into the submersible rated mobility device.
- D. Lift the platform straight up using the up directional arrow on the transmitter until lift carriage is at the deck position
- E. Carefully transfer from the lift platform, or move submersible rated mobility device onto the pool deck.

EMERGENCY OPERATION:

In the unlikely event that the lift will not operate with the transmitter, attempt to move the carriage of the lift with the up/down rocker switch on the receiver. If this does not result in lift movement battery power has been lost. In the event of a battery failure, try using the 2nd supplied battery and repeating the steps above. If the lift will not operate after satisfying the

above requirements, remove the top cover of the lift by removing (6) ¼ - 20 x ¾” button head screws that secure it in place. Notice a ¼” hex drive protruding from the wired side of the gear motor. See figure below for explanation. Using a cordless drill, chuck the ¼” Emergency hex drive and turn the appropriate direction of travel to raise/lower the lift to the desired height. Although this does not cause damage to the unit, after the emergency hex drive has been used please call Spectrum Customer service for troubleshooting help at 406.532.6321.

PROGRAMMING A NEW TRANSMITTER TO THE RECIEVER

***Note – The Transmitter will be programmed to the lift when you receive it; the only time you will have to follow this procedure is if you replace a Transmitter or buy an extra Transmitter.**

To Program a new transmitter to the lift, first remove the battery from the lift. Hold the lockout button on the transmitter for two full seconds. Then press and hold the up button on the Transmitter to be programmed, while replacing the battery on the lift. Continue holding the up button on the Transmitter until the lift platform moves up (the lift is most likely at the top of its range, so you may try the down button and watch for lift movement). If the lift does not work with the new transmitter, try the procedure again; making sure that the transmitter is unlocked. If you are not able to program the new Transmitter to your lift, please call Spectrum Customer Service at 406.532.6321.

BATTERY CHARGING & INSTALLATION

The battery comes fully charged, but will need charging after the first several hours of use. Charging time is approximately twelve hours for the first few charges, four 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 as follows:

- Plug the battery charger into a standard* 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.
- 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.

***Charger accepts 110 VAC**

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. However when the LED changes to red or an audible tone is heard during a lift cycle, the battery pack needs to be recharged.

To keep the battery from discharging to the point of causing damage, it is important to charge the battery at least once every 3 months, 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 much longer if the push button switch is placed in the off (out) 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 weekly.

It is important to note that with this switch in the off (out) position, the battery capacity indicator light on the receiver will be off, and the lift will not work.

After initial break in, the battery should last approximately 20 cycles at the full 600# load rating of the lift before it needs recharging. The battery will need to be replaced after 500 to 800 charge cycles or 2-3 years if properly maintained (approximately 10,000 lifting cycles).

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 is stocked at most stores where coin batteries are sold, it is a 3V lithium Type 2032. Under normal operating conditions this battery should last at least two years.

Care and Maintenance

The following should be performed periodically to ensure safe and dependable use.

1. Remove any discoloration with a 3M scratch pad (stainless steel components only). Wipe clean with a sponge dampened with Spectra Clean. Repeat these steps several times to passivate the stainless steel. Spectra Clean kits are available from Spectrum Aquatics. Do not spray with high-pressure water, only clean with non-chlorinated water.
2. Check all electrical connections – Check any external electrical cables for wear and/or breakage in the outer insulation.
3. Check all mechanical connections – inspect the Nylock Nuts on all moving parts and make sure they are snug. Lubricate all pivot points with light oil (3-1).
4. To maintain the battery properly, the battery must be fully charged at least every 3 months. If the battery goes for longer than 3 months without a charge, the battery will have reduced capacity.
5. Annually grease the zerk fittings on the main bearings for the power screw assembly, located under the top cover.

Troubleshooting

Problem:	Cause:	Solution:
1. Lift will not operate at all:	<p>Low Battery (Lift) – Red or amber LED on the receiver</p> <p>Damaged Battery (Lift) – Red LED on the receiver</p> <p>Dead Battery (Transmitter)</p> <p>Remote Locked</p> <p>Battery Fuse blown</p> <p>Battery Push button Switch in the off (out) position</p>	<p>Recharge Battery</p> <p>Replace Battery*</p> <p>Replace Battery</p> <p>3V Lithium 2032</p> <p>Push unlock button for 2 seconds</p> <p>Replace Battery Fuse</p> <p>Depress push button switch into the on (in) position</p>
2. The lift will not raise or lower.	<p>Low battery (Amber LED on Receiver)</p> <p>Battery not installed properly</p> <p>Receiver malfunction</p> <p>Damage to drives</p>	<p>Recharge battery</p> <p>Reinstall battery</p> <p>Replace Receiver*</p> <p>Call Spectrum Customer Service</p>
3. The lifts motion isn't smooth or sticks at a certain point during travel.	<p>Excessive wear to bearings</p> <p>Excessive wear to power screw/nut assembly</p>	<p>Replace bearings*</p> <p>Replace power screw/nut assembly*</p>
4. The lift travels much slower than normal.	<p>Low battery</p> <p>Defective or worn-out battery</p>	<p>Recharge battery</p> <p>Replace battery*</p>
5. The lift makes more noise or unusual noises during operation.	<p>Excessive wear to bearings</p> <p>Excessive wear to super nuts</p>	<p>Replace bearings*</p> <p>Replace super nuts</p>
6. Battery will not charge:	<p>Charger Fuse Blown</p> <p>Bad Battery (red LED on charger – not turning orange or green in 4 hours or less)</p>	<p>Replace Charger Fuse</p> <p>Replace Battery*</p>

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