



A PLAYCORE Company

Spectrum Aquatics, is a manufacturer of top quality aquatic access equipment. Spectrum Aquatics uses only the finest materials and processes to provide our customers with the highest quality products while still maintaining a price competitive edge.

SAFETY WARNINGS

- 1. READ AND FOLLOW ALL INSTRUCTIONS. KEEP A COPY OF THESE INSTRUCTIONS FOR FUTURE REFERENCE.**
- 2. INSPECT ALL PARTS TO MAKE SURE NOTHING IS DAMAGED. IF THERE ARE DAMAGED PARTS, CONTACT SPECTRUM AQUATICS IMMEDIATELY.**
- 3. HAVE A QUALIFIED TECHNICIAN INSTALL YOUR INDEPENDENCE 350 LIFT. MAKE SURE THAT ALL DIRECTIONS ARE FOLLOWED. IMPROPER INSTALLATION CAN LEAD TO INJURIES INCLUDING DEATH. IT WILL ALSO VOID THE SPECTRUM AQUATICS WARRANTY.**
- 4. NEVER ALLOW CHILDREN TO PLAY ON YOUR LIFT.**
- 5. DO NOT PERMIT CHILDREN TO USE THIS LIFT WITHOUT CONSTANT SUPERVISION.**
- 6. DO NOT USE LIFT FOR WATER DRAFTS OVER 12" (DECK TO WATERLINE)**
- 7. NEVER USE THIS LIFT IF YOU ARE ALONE. NEVER SWIM ALONE.**
- 8. DO NOT SPRAY A HEAVY STREAM OF WATER ON THE BATTERY OR CONTROL BOX.**

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FEATURES OF THE INDEPENDENCE 350 LIFT

- Stainless Steel Construction with powder coat finish
- User friendly Linak controls and Actuators
- Stainless Steel Arm Rests & Foot Rests
- Emergency Return Control
- Lift Capacity = 350lbs
- Battery Powered 24 volt system, battery charging station
- Fits most standard pools and spas
- Weighs 108 pounds

LIFT OPERATING INSTRUCTIONS

Independence 350 Lift

1. Before each use of the Independence 350 Lift, it is recommended that you:
 - Move the chair partially in and out of the pool
 - Check all fasteners and joints for tightness and wear
2. To use the chair lift safely, lift the arm rests, move into the chair and lower the arm rests.
3. Always make sure that the area around the lift is clear before operating. Make sure arms and legs are in the chair.
4. Never operate the lift with any person within the operating range of the lift, including the deck and/or water.
5. Lower the lift to a level in the water that meets your needs to get into the water.
6. Lift arm rests for easy water access.
7. When you are ready to leave the water, sit in the chair and lower the arm rests. Make sure that arms and legs are in the chair.
8. Press the "UP" Button on the hand controller to allow you to safely exit onto the pool deck.
9. Never allow children to operate /play on or around the lift at any time.

GENERAL MAINTENANCE AND CARE

General maintenance of your Independence 350 Lift unit will keep it running efficiently and will prolong the life of the unit. Mild cleaning solutions such as detergents or soaps should be used for cleaning. Do not use a bristled brush or steel wool to clean the lift.

DAILY USE:

- Charge Battery.
- Visually check battery, control box, handset and bolts
- Mild cleaning at the end of the day.

MONTHLY USE:

In addition to the instructions for daily use, physically check all bolts, washers and fittings. Also check your battery terminals, clean any dirt or corrosion off using a 3M and add a small amount of dielectric grease.

STORED/OCCASIONAL USE

In addition to above, use WD-40 on any moving part joints. Keep the battery on the charger. It will not overcharge.

Leaving the battery on the lift for extended periods will significantly shorten the battery's lifespan.

Storing lift- The lift should be stored in a dry location the lift should be covered. Do not store near pool chemicals

The maintenance provision of the ADA states that *“a public accommodation shall maintain in operable working condition those features of facilities and equipment that are required to be readily accessible to and usable by persons with disabilities.”*

BATTERY MAINTENANCE

1. The Independence 350 Lift is equipped with a Linak sealed 24 volt battery, a charging unit, a hand held controller and a control unit. The 24 volt battery mounts right above the control unit and the battery simply snaps in and out. The battery should be charged for 8 hours prior to the first use.
2. It is recommended that the battery stays on the unit when the unit is at all times except when you need to charge the battery during closed pool hours.
3. Never drop or bump the battery pack. This may result in loose or damaged internal connections, and may bend the battery terminals.
4. Do not expose the battery to long periods of extreme heat or severe cold temperatures.
5. To recharge the battery, remove from the unit by unclipping it from the control unit. Place the battery in the charging unit. When the battery is charging the light will be illuminated, once fully charged the charge light will go off indicating that the battery is ready for use.

Covers for purchase

Electronic Covers -Royal blue

The Electronic cover prevents the elements from getting to the electronics. It also helps from anything or one tampering with the electronics. Highly recommended.

Full Covers – Royal blue

The Full cover protects the whole lift from the elements and is custom designed for aesthetic purposes.

WARRANTY REGISTRATION FORM

WARRANTY REGISTRATION

Date of Sale _____

Date of Delivery _____

Purchased By:

Contact Name _____

Company Name _____

Address _____

Product Type _____

Serial Number _____

This page must be completed and returned to Spectrum Aquatics within 30 days of purchase to assure coverage. Please mail to:

Spectrum Aquatics

7100 Spectrum Lane

Missoula, MT 59808

THANK YOU FOR PURCHASING A SPECTRUM AQUATICS LIFT

WE ARE PROUD TO STAND BEHIND OUR QUALITY LIFTS!

TROUBLESHOOTING PROCESS FOR THE INDEPENDENCE 350 LIFT

Issue

The handset button was pressed and the lift won't move:

Ensure that the battery is fully charged, the green light on the front of the charger will be lit to indicate that the charger is on.

- Check the battery connection
- Check the control connections
- Check all of the cords connections

Issue

The lift stopped while you are in the water:

- Have someone insert a sharp object into the emergency hole, which is located on the face of the battery. The lift will return to its deck position.

ADA GUIDELINES FOR PLACEMENT OF POOL LIFT

1. The Independence 350 Lift should be installed where the water depth is between 42 inches and 48 inches.
2. When the seat is in the raised position, the centerline of the seat shall be located over the pool deck and 16 inches minimum from the edge of the pool, (per the Department of Justice, if a pool has a gutter, the actual pool starts at the edge of the gutter furthest from the pool deck). The deck surface between the centerline of the seat and the pool edge will not slope steeper than 1:48
3. Clear Deck Space. On the side of the seat opposite the water, a clear deck space shall be provided parallel with the seat. The space shall be 36 inches wide minimum and shall extend forward 48 inches minimum from a line located 12 inches behind the rear edge of the seat. The clear deck space shall have a slope not steeper than 1:48.
4. Submerged Depth. The lift shall be designed so that the seat will submerge to a water depth of 18 inches minimum below the stationary water level. To make sure the lift has enough clearance, the lift should be installed at a location with 42" to 48" of water depth.

Independence 350 Lift Installation Guide

This guide has been provided to assist with lift installation. For further assistance please contact Spectrum Aquatics at their toll free number -- 800.791.8056.

Before installing the Independence 350 Lift is necessary to select the correct location for the mounting base. The model Pool Lift can be installed in a wide variety of locations, but the owner and installer should be aware of the regulations set forth by the American with Disabilities Act (ADA) with concern to lift installations. Fig. 1 below shows an example of an ADA compliant installation, which incorporates the following ADA rules in order to be compliant.

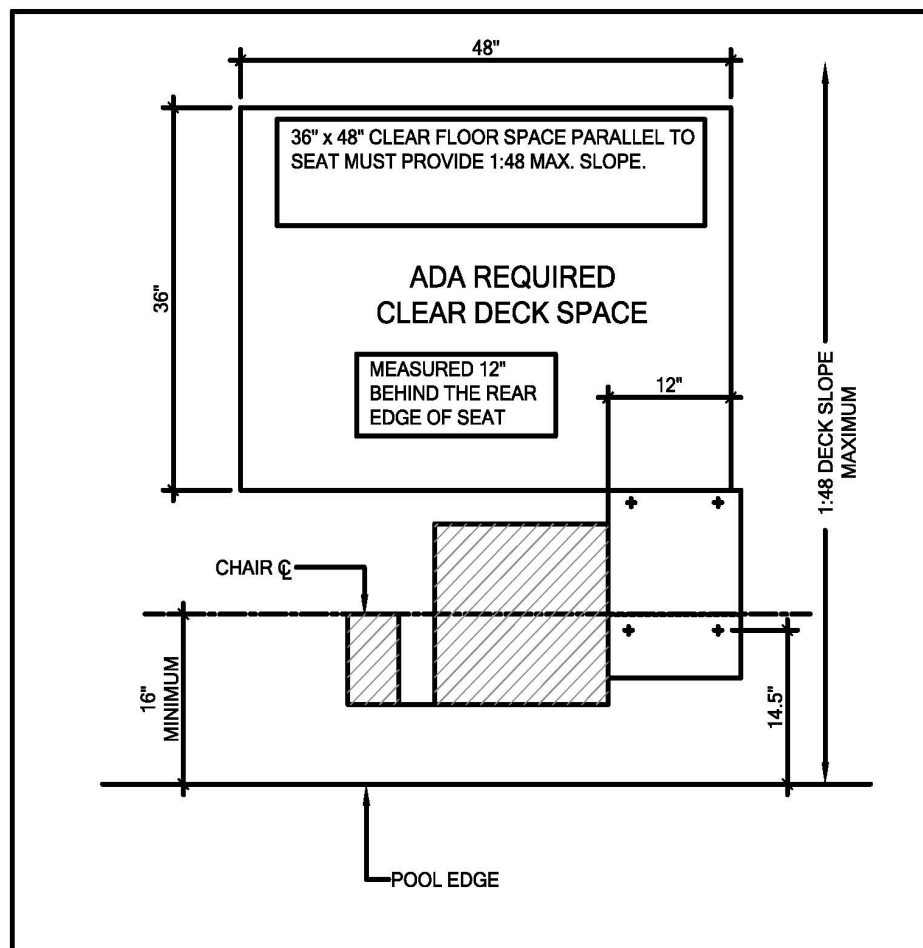


Fig. 1

ADA Code Requirements

1009.2.1 Pool Lift Location.

Pool lifts shall be located where the water level does not exceed 48 inches (1220 mm).

EXCEPTIONS:

1. Where the entire pool depth is greater than 48 inches (1220 mm), compliance with 1009.2.1 shall not be required.
2. Where multiple pool lift locations are provided, no more than one pool lift shall be required to be located in an area where the water level is 48 inches (1220 mm) maximum.

1009.2.2 Seat Location.

In the raised position, the centerline of the seat shall be located over the deck and 16 inches (405 mm) minimum from the edge of the pool, (per the Department of Justice, if a pool has a gutter, the actual pool starts at the edge of the gutter furthest from the pool deck). The deck surface between the centerline of the seat and the pool edge shall have a slope not steeper than 1:48. (See figure 1)

1009.2.3 Clear Deck Space

On the side of the seat opposite the water, a clear deck *space* shall be provided parallel with the seat. The *space* shall be 36 inches (915 mm) wide minimum and shall extend forward 48 inches (1220 mm) minimum from a line located 12 inches (305 mm) behind the rear edge of the seat. The clear deck *space* shall have a slope not steeper than 1:48. (See figure 1)

1009.2.4 Seat Height.

The height of the lift seat shall be designed to allow a stop at 16 inches (405 mm) minimum to 19 inches (485 mm) maximum measured from the deck to the top of the seat surface when in the raised (load) position.

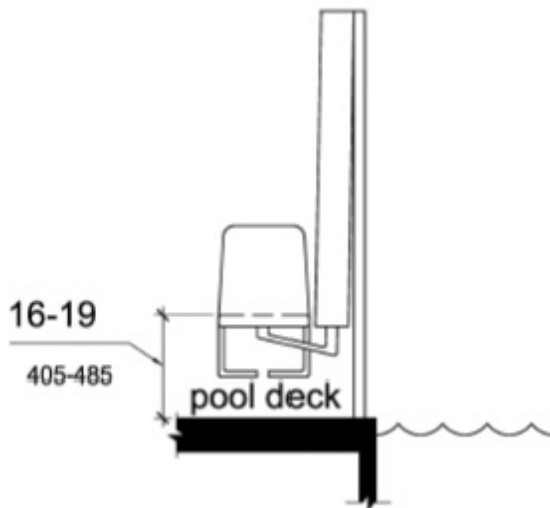


FIGURE 1009.2.4 POOL LIFT SEAT HEIGHT

MINIMUM DECK REQUIREMENTS:

**** Minimum concrete slab should be at least 60" x 42" x 4" thick, reinforced with #4 rebar with 3000 PSI strength concrete.****

Recommended Tools:

WARNING: When operating equipment, operator should ALWAYS wear Personal Protective Equipment.

1. Tape Measure
2. Marking Tool - Pen / Pencil
3. Hammer
4. 5/8" Masonry Drill Bit
5. Drill / Hammer Drill
6. Vacuum
7. ¾" Socket or Wrench
8. (4) ½" SS 303 Stainless Steel drop in Anchors (provided)
9. (4) ½" – 13 x 1 ½" Stainless Steel (Type 18-8) bolts (provided)
10. HST ½" Setting Tool for HDI Anchors (provided)
11. (4) ½" (SS) Stainless Steel washers (provided)
12. Safety Glasses / Dust Mask

Final Assembly and Installation Instructions

for Existing Concrete Slab/New Concrete Slab Mounting Directions/Paver Brick Deck

1. When you open the cardboard box, you will find the battery charger which has two (2) holes and the metal bracket, which can be mounted on the wall to hold your charger. Next is the hand controller, the control box which has four (4) holes, and the battery.
2. Remove the single Phillips head screw from the installed metal bracket. Put the control box in position and re-install the screw.
3. Next install the battery. You will hear a click when it is fully seated. Plug in the actuator wire and the hand controller. Your lift should now be operational. Use the hand controller to make sure it goes up and down.
4. ***Very important*** place the lift where it will be installed. Have one person put weight on the base while the other person uses the hand controller to lower the chair into the water. The top of the chair seat needs to go at least 18" below the top of the water. If the lift hits a curb or gutter, a portion of the curb may need to be removed. The center of the chair should be approximately 16" from the edge of the pool. Make sure your lift is square to the pool. Check your slope and your setbacks which are clearly shown on the diagrams.
5. Check with your local building department to see if you need a permit to install your lift.
6. Per National Electric Code.
7. To determine the area to install the lift, see the ADA guidelines. (See Figure 1)
8. The pool deck shall be verified to meet the minimum requirements; Minimum concrete slab should be at least 60" x 42" x 4" thick, reinforced with #4 rebar with 3000 PSI strength concrete. If your pool deck does not meet these requirements, (See Figure 2), then the pool deck needs to be cut and replaced with a new slab that meets these requirements. The new slab shall be

reinforced; #4 rebar shall be drilled and epoxied into the adjacent slab with Simpson “SET” epoxy or equivalent with minimum 4” embedment. See epoxy guideline instructions from the manufacturer.

9. Once the concrete has cured to minimum 75% or seven days, See Figure 3 to determine the proper location to install the lift. Make sure the lift meets the required ADA distance and holes drilled are a minimum 10 ½” from the pool edge.
10. If you have a “**Paver Brick Pool Deck**” please follow these additional instructions for installation. Remove paver brick from the deck along with removing the “concrete fines” beneath the pavers so that there is room to form up your 60” x 42” x 4” pad which will sit below your pavers. Additionally, you will need to rip your forming lumber to the exact depth of your pavers (usually 1 ½” to 2” depending on the type of paver that you have.) Use the ripped lumber to form an additional frame, which will sit on top of the 60” x 42” frame. Position the new frame so that no hole on the lift’s base will be less than 3” from the edge of the concrete in the small frame. This is needed so the edge of the pool deck height concrete does not “break out” a side while drilling the four holes. After the smaller frame is securely attached to the larger frame and the #4 rebar is in place, you can pour your concrete.
When you are ready to install your lift, you need to use 3” stainless steel bolts. After drilling your four 5/8” holes, use the large end of your tool to tap into your 2” anchor, making sure that it goes all the way down to the bottom of the 4” deep holes you have drilled. It’s critical not to drill these holes deeper or shallower than specified in order for the bolt to properly “open” the bottom of the anchor. Before installing the bolts, insert the small end of the tool into each anchor and hit it firmly several times to “open” the bottom of the anchor. Then install the 3” bolts through the base of the lift and into the 4” deep holes.
After you have installed the lift, you can install your paver brick on top of the large concrete pad and flush with the small concrete pad. See drilling instructions below. (Except 4” deep) You can see a paver brick pool deck installation on our website.
11. On your “**Standard Concrete Pool Deck**” use a ¼” masonry bit to drill four (4) holes two inches deep. Make sure the holes are drilled straight down. Next, put tape on your 5/8” masonry bit 2” above the bottom of the bit. Do not drill deeper than two inches. Completely vacuum out all four holes. Install all four of the 2” sleeves that have been provided. Take the small end of the setting tool and give it several hard hits with the hammer until you hear and feel the bottom of the anchor separate. Next move the lift into place. Install the four stainless steel bolts with washers. Tighten to 22 foot pounds. Remove the three (3) bolts on the bracket beneath the chair and install the foot rest.
12. Your lift is now fully installed.

If you have any questions or concerns, please call or email us.

800.791.8056

Email info@spectrumaquatics.com

Thank you again for purchasing your Independence 350 Lift!

