



**OWNERS MANUAL**

**2008**

**RMT**AQUATICS

A division of

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## INTRODUCTION

The purpose of this document is to provide information relating to the operation, care, and maintenance of the **Splash! / Splash! Hi-Lo / Splash! Spa / Splash! Extended Reach / and Splash! Mariner.**

Our goal is to provide our customers with the most advanced and innovative designs that offer exceptional quality at affordable prices. We design and manufacture our products so that all individuals with disabilities and mobility impairments can have access to, and enjoyment from the recreation activity of their choice. All of our lifts meet the specifications set forth by the Access Board and are 100% ADA compliant. Please feel free to contact us directly if you have any questions about our current product line or have needs that we may be able to assist you in meeting in the future.

# THE **SPLASH!** - SEMI-PORTABLE AQUATIC LIFT SYSTEMS

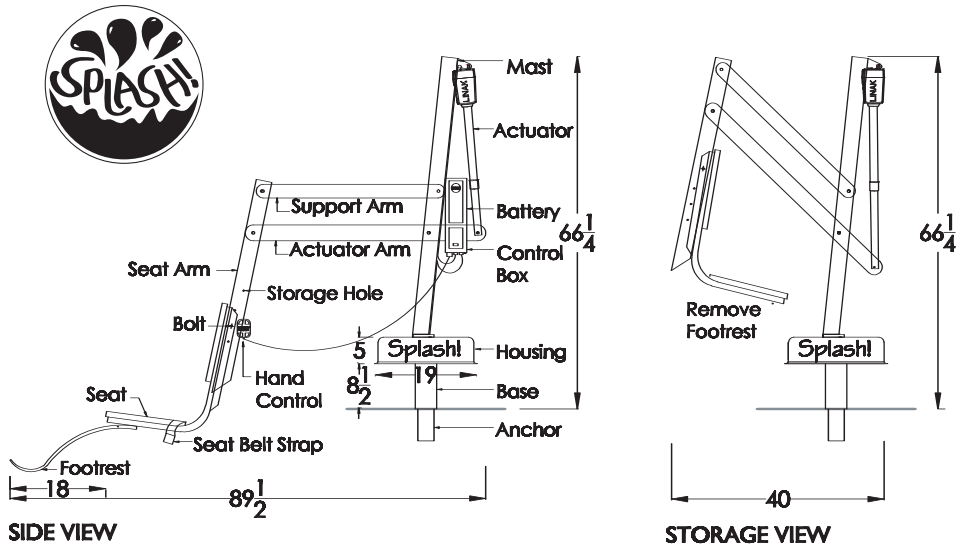


**STANDARD  
SPLASH!**

## **Product Overview**

The Splash! Aquatic Lift is a semi-portable lift system designed for swimming facilities seeking to provide universal access to their pools. The Splash! is powered by a 24 volt, rechargeable battery and is operated by a screw driven, electronic actuator. This combination insures consistent operation and minimizes service problems. Besides the Standard configuration, the Splash! is also available in a Spa version, for use with above-ground pools and spas; a Hi/Lo version, for facilities with both above-ground and ground level pools and spas; and an Extended Reach version, for facilities with longer deck to water requirements. In addition, the Splash! Mariner provides access to watercraft when mounted on a floating boat dock. Although the Splash! must be operated from a stationary deck anchor, it can be easily transported using the Splash! Caddy. The Caddy is designed to facilitate lifting the Splash! out of the deck anchor and also serves as an ideal storage rack when the lift is not needed.

# SPLASH! PRODUCT COMPONENTS



## STANDARD SPLASH!

### Component Description

**Base Assembly.** The part of the Splash! that mounts to the pool deck or boat dock. The Base Assembly is made up of several components as described below:

**Base Insert Stem.** This piece slides into the anchor sleeve that is installed on the pool deck or dock.

**Housing.** ABS plastic covering to cover base assembly components from weather. Needs to be in place prior to installing the mast assembly.

**Attachment Cover.** Slides down over housing to cover hardware (bolts and washers).

## Component Description- continued

**Control Box.** This unit controls the mechanical operations of the lift. Three wire leads connect to the rear of the Control Box. The largest receptacle is the connection for the Hand Control. The connector next to the hand control connector, marked number 1, is the receptacle for the Actuator lead. The connector next to the actuator connector, marked number 2, is the receptacle for the 24-volt motor lead.

**Battery.** The removable battery is located on top of the control box. The battery should be charged daily. **Do not allow battery to fully discharge, as this would shorten the life of the battery.**



**Battery Cover.** The provided nylon battery cover should be placed over the battery to protect the components from the elements.

**Hand Control.** Controls the actions of the lift. The two top buttons control the lifting actions of the unit. The bottom pair of buttons controls the side to side movement of the lift. The right button turns the main mast to the right, and the left button turns the main mast to the left.



**Mast.** This vertical piece is bolted to the base assembly.

**Actuator.** Attached to the top of the mast, this part powers the up and down movements of the lift.

**Rotation Motor Assembly.** Consists of mounting plate, 24-volt motor, and small gear.

**Hub Assembly.** Consists of hub, bearings, shaft, large gear and mast mounting plate.

**Horizontal Support Arms.** These two support arms connect the mast to the chair support arm. The longer horizontal support arm (actuator arm) connects to the actuator and initiates the lifting movements.

**Seat Arm.** Connects the chair to the horizontal support arms.

**Seating System.** The seating system used with all RMT aquatic lifts is the product of years of feedback from our customers and information gathered from focus groups comprised of users of our lifts. Unlike most seats that are standard “life guard type” plastic shells, this is the first such system that is designed specifically for disabled swimmers.

The seat itself is both deeper and higher to both provide a more stable platform for sitting, as well as being able to better accommodate swimmers with reduced trunk stability. The seat has been flattened considerably to eliminate any ridge that would hamper transferring. The sections of the seat have attachment points for both the standard seat belt assembly as well as our optional stability vest. The standard, molded plastic footrest is removable and will float upwards to prevent damage if the user lowers the chair too low over the deck.

The optional armrests have been significantly improved and strengthened, which will allow them to be used for support when transferring onto the seat. They can be rotated out of the way during a transfer and can now be added to a seat after the fact, without the need to purchase an entire new seat assembly.

## UNPACKING & ASSEMBLY INSTRUCTIONS

REFER TO THE DIAGRAM (page 5) FOR PARTS IDENTIFICATION.

**READ THESE INSTRUCTIONS IN THEIR ENTIRETY BEFORE UNCRATING PAL.**

**Prior to opening the pallet, inspect the external condition for any visible damage. It is important that any damage be noted on the Bill of Lading. Contact RMT Aquatics or your dealer immediately to notify of missing or damaged parts.**

The **Splash!** is shipped on a covered pallet. This pallet is VERY HEAVY. You will need to gather the following tools to begin the unpacking and assembly of your unit:

- a 3/4” socket wrench
- a small flat blade screwdriver
- a knife or cutters to cut the shrink-wrap and bands.

## Unpacking Procedure for the Splash!

For easiest assembly, move pallet to an area near the deck anchor where the Splash! will be used.

1. Cut open the enclosure bag around the wooden pallet and carefully remove and discard the plastic.
2. Carefully cut the black plastic bands around the components.
3. Remove the Accessory Box and Chair Assembly.  
DO NOT remove the Housing Cover. It is attached to the base.
4. Lift the Base Unit and insert it into the Deck Anchor using the metal handle located on the top of the Housing. DO NOT LIFT THE BASE UNIT USING THE PLASTIC HOUSING. Once the unit has been placed into the Deck Anchor, unfasten the nuts and remove and discard the metal handle.
5. Position the Mast Assembly onto the Housing Cover by lowering the mast base onto the studs protruding from the Housing. Attach the washers and lock nuts onto the studs and fully tighten using a 3/4" socket wrench. Slide attachment cover to cover the bolts.
6. Remove twist tie and uncoil cable on top of Housing. Insert plug into receptacle #2 on Control Box. Insert cable into wire chase on front of Mast, then push to lock wire chase. Be sure plug is pushed in all the way.
7. Remove and unwrap the Hand Control from the Accessory Box. Connect the Hand Control to the large receptacle on the Control Box. Be sure plug is pushed in all the way.
8. Attach Battery to Control Box.
9. Check all functions for proper operation.
10. Attach Chair Assembly to Chair Support Arm by inserting the locking pin into the appropriate hole on the Chair Support Arm. To facilitate storage, the Chair Assembly can be positioned facing inward.
11. Attach Foot Rest using attachment pins.

*Please call RMT Aquatics at 800-577-4424  
if you have any problems or questions with assembly.*

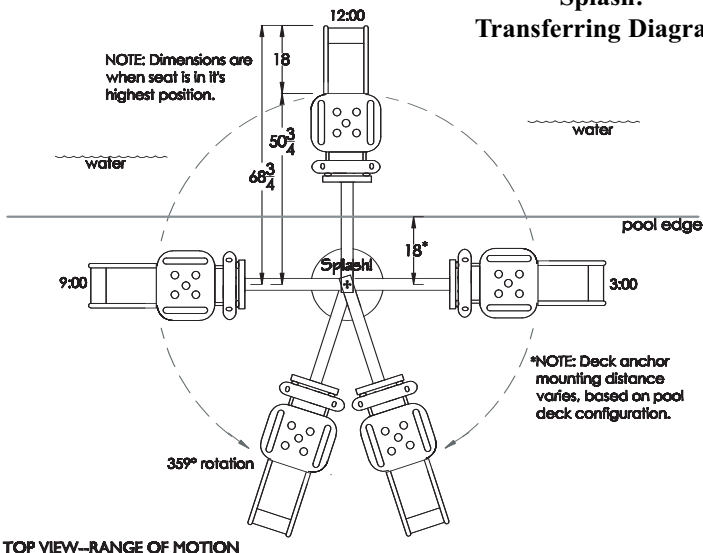


# TRANSFERRING

Once the unit is positioned for use, use the following procedure to transfer to the seat and into the water for desired aquatic activity:

- Rotate the seat to either side of the lift that is the most comfortable position for transfer. The unit can be rotated to allow plenty of room for those who may assist with the transfer.
- Raise or lower the seat to proper transfer height.
- Transfer onto the seat, insuring that the user's weight is centered on the seat. If the user is in a wheelchair, keep the wheelchair close by for easy retrieval.
- Attach seat belt or stability vest, if needed.
- Raise the seat so there is ample legroom for travel.
- Rotate seat to the 12:00 position, over the water.
- Lower the seat into the pool. The hand control is submersible, so leave it connected to the seat while swimming.
- When finished in the pool, return to the seat, insuring that the user's weight is centered on the seat.
- Re-attach seat belt or stability vest, if needed.
- Raise the seat high enough so there is ample legroom for travel.
- Rotate the seat to the original transfer position.
- Raise or lower the seat to proper transfer height.
- Remove seat belt or vest.
- Transfer off of the seat.

## Splash! Transferring Diagram



## POOL DECK INSTALLATION FOR THE **SPLASH!**

The sleeve should be totally encapsulated in concrete. Make sure there are no air pockets or empty space around the sleeve. The optimal mounting distance for the anchor is 18 inches from the pool's edge. However, the design of the Splash! allows it to be used with virtually any pool gutter configuration. To insure proper installation, a pool site configuration worksheet is requested with each order prior to shipping so manufacturer can build the lift to match the customer's specifications. If unsure of proper placement of your Splash!, contact your vendor or RMT Aquatics directly.



**Deck Anchor**

### **Installing an Anchor in a Concrete Deck**

Follow these suggestions to make sure that your anchor is installed properly:

1. Determine the proper location to install the lift, making certain that the anchor location is within 18" from the pool edge.
2. Use a core drill to cut a hole into the deck. Be sure your hole is at least 5 inches in diameter. Make sure the hole is at least 7 inches deep. This will likely be deeper than the deck is thick, but the depth is important to insure that the anchor is totally encapsulated in cement.
3. Clean all debris from the hole.
4. Place the anchor into the hole. **Important!! Be sure that the anchor is both plumb and flush with the surface of the deck.**
5. Mix anchoring cement, such as Rock It.
6. Fill cavity with anchoring cement. Be careful to keep cement out of the anchor sleeve.
7. Allow the cement to cure according to manufacturer's instructions.

## BATTERY CHARGING

The rechargeable battery should be placed onto the charging unit when the lift is not in use. A fully charged battery will provide approximately 30 lifting cycles, depending on the weight of the users. The battery has no memory, so it is not necessary to fully discharge the battery prior to charging. Battery is fully charged prior to shipping, but should be checked by looking at LCD indicator on control unit prior to using to insure charge level.



**SPLASH!  
SPA**



## STANDARD ACCESSORIES/ OPTIONAL ACCESSORIES

The following items are included with all Pool lift models:

**Console Cover:** Protects battery and control unit from exposure to water.

**Seat Belt Assembly:** Poly pro water resistant belt for added security.

**Battery/Charger:** 24 volt rechargeable battery.

### Additional accessories may be purchased for your unit

**Stability Vest:** Five point restraint for individuals who need higher degree of stability than provided with standard seat belt.

**Total Cover:** Made of attractive blue, weather resistant nylon material to keep unit protected from elements when not in use. Available for all units.

**Arm Rests:** Powder coated stainless steel arm rests for increased sense of security.

**Spine Board Attachment:** Can be used to convert lift for use with any standard spine board. (Spine Board not included)

**Seat Pad:** Waterproof seat pad designed to enhance comfort and minimize potential skin damage that could occur during transfer.

**Caddie for Splash!:** Highly recommended for all Splash! models. Designed to lift unit out from anchor socket and roll to storage or other location if desired.

**Anchor & Cap:** Standard square deck anchor measures 2.875" OD, 2.75" ID. Includes cap and bonding screw.



## MAINTENANCE

Minimal maintenance will prolong the life of your lift. All electronic components should be kept clean and dry. The control box and battery should be protected from exposure to water. A small waterproof cover is provided with each lift to cover the control box when in use. This cover must be used to protect electronic components from sudden rainstorms or dousing with pool water. If the lift is used outdoors, an optional full cover is available and should be considered.

The following schedule should be performed to insure proper operation:

Maintenance Performed	Daily	Weekly	Monthly
Rinse seat with fresh water and dry entire lift	✓		
Charge the battery	✓		
Wipe control box and battery connection with a clean, dry rag	✓		
Examine the lift for any damage	✓		
Test for normal operation	✓		
Spray gear assembly with LPS3 Heavy-Duty Inhibitor™ or other anti-corrosion product		✓	
Clean all connection areas with Scotch Brite™ pad			✓
Clean all metal surfaces with a cleaner wax to maintain the finish of the lift			✓
Make sure that all nuts and bolts on the unit are secure			✓

## LONG-TERM STORAGE

The following should be performed when storing the lift for an extended period of time:

- Rinse seat with fresh water and dry entire lift
- Spray gear assembly with LPS3 Heavy-Duty Inhibitor or other anti-corrosion product
- Keep the battery on the charger in a dry area
- Cover unit and store in a dry location

## TROUBLE SHOOTING

**Be sure the battery is fully charged before troubleshooting.**

### ***Unit does not rotate***

*Does unit raise or lower?*

Yes.

1. Check connection to Control Box. Be sure plug is pushed in all the way.
2. Check hand control connection to Control Unit for damaged pins.
3. Check connections on terminal block located on frame for loose wires.
4. Check connection cable for damage.
5. Reverse the motor cables as follows: Locate the area on the control box where the cables are attached. Remove the actuator cable from receptacle #1 and replace it with the 24v motor cable from receptacle #2. Activate the up and down buttons on the hand control. If the unit rotates, the problem is likely the hand control. If the unit does not rotate, the problem is likely the 24v motor.

No.

1. Check battery charge level.
2. Check battery connection.
3. Use another fully charged battery. If unit continues to not function, replace the control unit.

### ***Unit does not Raise or Lower***

*Does unit rotate?*

Yes.

1. Check connection to Control Box. Be sure plug is pushed in all the way.
2. Check hand control connection to Control Unit for damaged pins.
3. Check connection cable for damage.
4. Locate Emergency Buttons on top of Control Unit. Activate these buttons using a ball point pen. If unit operates properly, the problem is likely the hand control. If unit does not operate properly, the problem is likely the actuator.

No.

1. Check battery charge level.
2. Check battery connection.
3. Use another fully charged battery. If unit continues to not function, replace the control unit.

*If these steps have not corrected your problem, call us at 800-577-4424.*

# WARRANTY INFORMATION

All RMT Aquatic Lifting Systems have a Lifetime Warranty on the frame, excluding the powder coated paint finish, which may become scratched with normal use. All electronic and motor components, with the exception of batteries, have a full two-year warranty. Within the warranty period, we will repair or replace any part found to be defective upon our examination, but will not pay shipping costs or other expenses. To obtain warranty service, call or write to us at the address provided. This warranty is an exclusive remedy and we are not responsible for any consequential or incidental damages or injury to person or property. This warranty shall not apply to any product which has been subject to misuse, negligence, or accident, or has been damaged in shipment, or misapplied, or which have been modified or repaired by an unauthorized person. This warranty only applies to products owned by persons purchasing directly from the manufacturer or from our approved dealers or distributors.

## Warranty Procedures

To initiate a warranty claim, contact our customer service department. Once the nature of the problem has been determined the following procedure will be followed:

### Within the first 90 days following delivery of the Product

1. A Return Goods Authorization (RMA) will be issued for the return of the defective component. This RGA number should be clearly displayed on the outside of the package containing the returned part.
2. RMT will pay all freight charges for any component that fails within the first 90 days.
3. The defective component will be inspected by our technical staff to determine if the product can be repaired. If the component cannot be repaired it will be replaced with a new component.

### After 90 days

1. A Return Goods Authorization (RMA) will be issued for the return of the defective component. This RGA number should be clearly displayed on the outside of the package containing the returned part.
2. The customer is responsible for all freight costs after 90 days.
3. The defective component will be inspected by our technical staff to determine if the product can be repaired. If the component cannot be repaired it will be replaced with a remanufactured component.

## Batteries

Batteries have a normal lifespan of between 2-3 years, depending on their use and care. Batteries should be left on the charger when not in use and should never be allowed to fully discharge. Allowing the battery to fully discharge can damage the battery.

The battery has contacts located on the bottom of the battery housing. The battery should never be placed on a conductive surface that would cause a short. If this occurs, it is likely that the fuse located inside the housing would break. This fuse can be replaced and should be changed prior to submitting a warranty claim.

All batteries are inspected prior to shipment, and, as such, should be free from any manufacturing defect. That being said, the following is the warranty policy for batteries:

1. If the battery fails during the first 90 days following purchase, it will be replaced using the same guidelines for any warranty part.
2. If the battery fails during the first year following purchase, a new battery will be provided at a charge of 50% of the prevailing cost of a new battery.
3. The warranty policy on batteries expires after one year following purchase.

## What if I can't wait for the defective component to be inspected?

If the customer desires that a replacement component be sent out immediately, the following procedures will be followed:

1. Once the problem component has been identified, a remanufactured component will be sent to the customer immediately.
2. The customer will be invoiced for the cost of a remanufactured component, generally 75% of the full price.
3. A Return Goods Authorization (RGA) will be issued for the return of the defective component. This RGA number should be clearly displayed on the outside of the package containing the returned part. The customer can use the same box that was used to ship the remanufactured component.
4. The customer will promptly return the defective component.
5. After inspection by our technical staff, if the defective component is covered under the terms of the warranty, a credit will be issued to cancel out the invoice issued for the component.
6. If the component is not covered under warranty, the invoice is payable by the customer.
7. RMT will pay all freight charges for components less than 90 days old. After 90 days, the customer pays all freight charges.

All returns will be processed promptly in our factory.

For further information, please contact our Customer Service Department at 305-247-8300.



# SPECIFICATIONS

Splash!/Hi-Lo/Mariner

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## 1. Dimensions/Capacity

Overall Height	66 1/4 inches
Base Dimensions	19 1/4 inches Dia.
Total Weight	160 lbs.
Overall Length (footprint)	90" (fully extended, with footrest) 68 3/4 inches (fully retracted, with footrest) 40" (in stored position, no footrest)
Power	24v DC
Battery Life	30 cycles (approx.)
Lifting Capacity	400 lbs.
Seat Width	18 1/2 inches

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## 2. Actuator

Lifting:	Linak LA34 Mechanical Actuator
Max. Thrust:	1680 lb.
Voltage:	24 VDC
Max. Amp:	9
Max. Speed:	0.59 inch/sec.

## 3. Motor

Rotation:	ITT SWMK 403.033
24 VDC 13 RMP	
Gearing Ratio:	9:1

## 4. Battery

Power:	Linak Battery Pack BAJ1
24 VDC, IP65	
Gel Lead Acid	

All electronic parts are UL listed.

## **5. Range of Motion:**

Lifting: Variable to configure to each pool.

44"- 58" total travel from highest to lowest point w/ standard actuator.

Seat Depth: 18-20" below water line.

Rotation: 359°

## **6. Materials and Finish**

Frame: Powder Coated Stainless Steel

Housing: Vacuum Formed ABS Plastic

Arms: Powder Coated Aluminum

Mast: Powder Coated Stainless Steel

Seat Assembly: Seat: Blow Molded Plastic

Frame: Powder Coated Stainless Steel

Sling for Mariner: PVC coated polyester mesh

Polypropeline webbing

Covers: Urethane coated nylon

## PARTS LIST

Part Number	Description
100-5000	LA34 Actuator
100-1000	Control Unit
100-2000	Battery
100-3500	Battery Charger
100-4000	Hand Control
120-1100	24v Motor
130-1000	Hub Assembly
120-1000	Motor Mount Assembly
120-1600	Small Gear
150-1200	Actuator Arm
150-1300	Support Arm
150-1400	Seat Arm
160-1000	Seat Assembly
160-1200	Plastic Seat
160-1300	Foot Rest
300-1000	Splash! Base Assembly
800-5072	Mast Collar
300-5000	Splash! Housing
160-2000	Hi/Lo Seat Assembly
150-2200	H/L Actuator Arm
150-2300	H/L Tension Arm
900-1000	Seat Belt
900-2000	Stability Vest
900-4000	Seat Pad
930-1000	Splash! Console Cover
940-1000	Splash! Mast Cover
940-2000	Splash! Hi Lo Mast Cover
960-1000	Sling for Mariner

