

HURRICANE

BOAT LIFTS



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OWNER'S MANUAL

Congratulations on your purchase of a Hurricane Lift System. We appreciate your business and want you to know you have purchased the finest lift available. This Owners Manual is designed to provide vital information on safety, operation, maintenance and warranty of your new lift. Models covered in this Owner's Manual include 4,500 to 16,000 lb lifting capacity systems. Your Model Number/ Serial Number is recorded below. To **ACTIVATE YOUR FACTORY WARRANTY** coverage, please take a moment to complete and return your warranty card. The warranty card is attached to the inside cover of this Owner's Manual.

Model Number/ Serial Number: _____

Retain this manual for future reference about your lift system. Additional information on trouble-shooting, maintenance, **ELECTRICAL WIRING SPECIFICATIONS**, and a packing list is included in the Appendix for your reference. For more detailed information on these topics or other technical information, please contact Hurricane Boat Lifts direct by calling (772) 781-2556 or toll free 888-VIP DOCK. Thank you for your purchase, and please let us know if we can be of further assistance.

Sincerely,

Tracy Radcliff
President

Important:

- ✓ **Read this Manual carefully before operating your cradle lift.**
- ✓ **Your cradle lift is not intended for human lifting.**

PERSONAL SAFETY

A. Things NEVER To Do:

1. **NEVER** allow anyone to be in the boat while it is being lifted. The lift is not intended for human lifting.
2. **NEVER** leave the lift running while unattended. Damage and/or injury could result.
3. **NEVER** operate the lift while people are under or on the lift.
4. **NEVER** load the lift beyond the factory specified lifting capacity.
5. **NEVER** allow water to accumulate in the boat while it is on the lift. The weight of the water may cause the boat to exceed the capacity of the lift.
6. **NEVER** leave the lower cradle in the water. Electrolysis can cause structural damage.
7. **NEVER** allow lifting cables to wrap on top of each other, to prevent damage to the cable.
8. **NEVER** leave the stern of the boat hanging more than 4 ft. behind the lower rear beam. The center of gravity of the boat should be centered on the lower cradle. This will depend on the type and weight of the boat being lifted (see Initial Set Up section).
9. **NEVER** walk on Stern or grated Platforms (optional items) while the lift is empty. These platforms are designed for use only when your boat is **ON THE LIFT**.

B. Things ALWAYS To Do:

1. **ALWAYS** keep hands, feet and loose clothing away from moving parts.
2. **ALWAYS** turn main power supply **OFF** when lift is not in use.
3. **ALWAYS** watch the boat as it rises to insure proper placement of the boat on the lift. Lower and reposition if required.
4. **ALWAYS** raise lower cradle beams above the high tide water level.

C. Other SAFETY Precautions:

1. Operation of the lift should only be by adults.
2. Wireless Remote Control (optional item) transmission ranges fluctuate and the lift can be **ACCIDENTALLY** started with the hand-held remote. Do not allow the hand held unit to become wet - **ACCIDENTAL** activation of the lift can occur. Handle remote control carefully so as not to trigger unit accidentally.
3. Regular maintenance will insure lift system safety, performance and longevity.

OPERATING INSTRUCTIONS

NOTE: Read the Personal Safety section of this manual before operating the lift.

Inspect cables, belts and sheaves (pulleys) for deterioration, damage, and maintenance on a regular basis. If the lift has sat idle for more than two months, a thorough inspection and lubrication is recommended before operating the lift.

A. Lowering the Cradle and Launching the Boat

1. Inspect lifting cables, belts and sheaves (pulleys) for deterioration, damage, and required maintenance prior to operating the lift. Remove any power cables connected to the boat. Be sure the drain plugs are in place.
2. Confirm that both lift motor switches are in the OFF position.
3. Turn main power or dock power ON.
4. Confirm that the Ground Fault Interrupt (GFI) protector on the main power supply or control box is not tripped.

NOTE: The GFI protector provides protection against GF electrical shocks. The GFI device will "trip" if an imbalance has occurred. Once the GFI has tripped, you will need to push the reset button manually. If the imbalance condition has cleared, power will then be restored to the motors on your boatlift.

5. Turn the two manual lift switches to "Down" SIMULTANEOUSLY, lowering down the boat and cradle into the water.
6. Make sure the cradle is clear of the boat hull before starting the engine. When the boat is completely clear of cradle and free floating, turn the lift switches to "OFF."
7. Slowly back the boat completely off the lift.
8. When boat is clear of cradle, turn lift switches to "Up" to raise cradle clear of water. This will prevent deterioration of the cradle from corrosion and electrolysis, which can cause structural damage.

B. Parking the Boat and Raising the Cradle

1. Remove people and cargo from boat.
2. Using the two manual lift switches SIMULTANEOUSLY, lower the cradle into the water. Submerge the lift sufficiently so the boat will FLOAT over the cradle and bunks. Mark PVC guide-poles with tape to indicate proper submersion depth of the cradle.

3. SLOWLY position the boat using PVC guide-poles over the cradle. Never leave the stern of the boat hanging more than 4 ft. behind the rear beam. The center of gravity of the boat should be centered on the lower cradle. This will depend on the type and weight of the boat being lifted. (See Initial Set Up Section).

Note: The PVC guide-poles will help guide the boat fore and aft into the proper lift position. Take a visual bearing of the location of the lower beams under the boat for future reference. Always return to this center of gravity location.

4. Turn both lift switches SIMULTANEOUSLY until the weight of the boat is on bunks.
5. Turn both lift switches SIMULTANEOUSLY to OFF and inspect the cradle to insure the boat is aligned properly. If out of position, lower and readjust.

Note: Bunk position should be set by the installer and is dependent on the type of boat being lifted. Do not allow the bunks to be under through hull fittings or on hull chines.

6. Turn lift switches back to Up and continue lifting to a minimum of 1 foot above the high tide water level. Turn lift switches to OFF. Never leave the lift running while unattended. Damage and/or injury could result.

Note: The installer will configure the lift with the front of the boat slightly raised so water will drain out the back of the boat. This can be done by moving the two front bunks closer together or by raising the front lower beam approximately 2 inches higher than the rear lower beam.

7. Turn the main and dock power supply to the lift OFF when not in use to prevent accidental or unauthorized use.
8. Rinse off the lift with fresh water after each use.
9. Prevent rainwater from collecting in the boat. Water increases the total lifting weight, which may exceed the capacity of the lift.

D. Operating Wireless Remote Control Unit (optional equipment)

NOTE: Wireless Remote Control transmission ranges fluctuate and the lift can ACCIDENTALLY be started with the hand-held remote. The following can cause ACCIDENTAL activation of the remote:

- ✓ **Placing objects on top of the remote.**
- ✓ **Spraying the remote with water.**
- ✓ **Placing the remote in your pocket.**

1. Place the hand held unit in a zip lock bag to prevent the unit from becoming wet.
2. Follow the operating procedures from section I and II, but use the hand-held remote to operate the lift motors. One switch operates both motors.
3. When the boat is on the lift, use the Remote Control from the dock to lower the boat into the water.
4. Once the boat is clear of the lift, you may use the Remote Control from the boat to raise or lower the cradle.
5. Use the following procedure for leveling the lift from Port to Starboard: while pushing the Up or Down button on the Remote Control unit, toggle the Level switch up to allow one motor to adjust position while the other stays in place. This procedure allows you to maintain a level position for the boat.
6. Always turn OFF main power to your wireless remote control system when not in use. This will prevent accidental power starts from the hand-held remote.

NOTE:

Never use the Remote Control to lift or lower the boat unless you and all passengers are off the boat.

MAINTENANCE INSTRUCTIONS

NOTE: Your Hurricane Lift system is designed and manufactured to provide long life in a marine environment. However, the lift requires regular maintenance to ensure safety, performance and longevity. Routine maintenance will keep the lift operating at peak performance. Failure to maintain the lift regularly could result in system failure, personal injury and damage to the lift and boat.

The following materials are needed for routine maintenance:

- ✓ Lubricating Spray
- ✓ Grease Gun and Waterproof Grease

A. Routine Lubrication

Note: All areas requiring lubrication should be maintained monthly and sometimes more frequently depending upon use of the lift.

1. WINCH (Category 5): The Gearbox is totally enclosed in a sealed oil bath. Therefore, no routine maintenance is required unless visual inspection indicates otherwise.
2. WINCH (Category 4): The large gear under the white cover should be lubricated on a monthly basis with marine, waterproof grease.
3. SHEAVES (Pulleys): Once a month grease or spray a waterproof lubricant on the Sheaves and stainless steel bolts that the Sheaves turn on.
4. PILLOW BLOCKS: The Pillow Blocks through which the Drive Shaft drive runs should be lubricated on a yearly basis with a marine, waterproof grease.

B. Routine Maintenance

1. LOWER CRADLE: Rinse with fresh water after each lift. Hose off lower cradle, including sheaves and cables, and confirm that no floating debris was picked up during the lifting process.
2. CABLES AND SHEAVES (Pulleys): Cables and sheaves have a limited operating life and, depending upon usage, will need to be periodically replaced. Inspect cables and fittings monthly for any signs of rust, wear, fraying or damage. If any of these signs appear, replace cables immediately. Remove and examine sheaves for wear on a yearly basis. Replace if necessary.

3. MOTORS: Electric motors are not rust proof (see optional Wash Down motors). Paint motor housings with rust inhibitor paint as needed.
4. BUNK BOARDS: Bunk boards and carpet will need periodic replacement that is dependent on usage.
5. NUTS AND BOLTS: Check tightness of Sheave nuts at six-month intervals. (Do not over tighten; Sheave must spin freely.) On Category 4 motors, check motor belts for tightness every six months. Secure all nuts and bolts tightly in place.

C. Maintenance Wireless Remote Control

1. The Hurricane Lift wireless remote control unit is a self-contained watertight unit. No maintenance is required. Hurricane recommends that the hand-held remote be kept in a secure place, away from direct sunlight and in a zip lock bag (to prevent the unit from becoming wet).

Limited Warranty: Hurricane Boat Lifts

Hurricane Boat Lifts, hereinafter referred to as "the company," expressly warrants the Aluminum member's structural integrity of the Hurricane Boat Lift system to the original purchaser for 10 years on cradle lifts and 5 years on elevator lifts excluding tracks. The company further expressly warrants that its products shall be free from any manufacturer's defects in material or workmanship for a period of one year from the date of delivery. The company agrees to provide all necessary parts, materials and labor to correct any such defects providing written notice with the original bill of sale or the company receives proof of purchase within the one-year period. A factory-authorized representative must perform all warranty repairs. To **ACTIVATE FACTORY WARRANTY**, warranty card must be completed and returned to the company within 30 days of delivery.

If a warranty situation arises, the customer must contact an authorized Hurricane Boat Lift dealer to come and inspect. If it is determined that the failure is due to overloading, or lack of maintenance, the warranty shall be null and void. If the customer believes that he did not overload the boatlift, and has properly maintained his boatlift, then the customer must return the defective part for inspection to Hurricane Boat Lifts to perform a structural analysis to determine if the metal structurally failed. If the analysis shows the part failed, then Hurricane Boat Lifts will warranty the defective part, and pay the necessary labor to repair the lift.

Hurricane Boat Lifts remedy is limited to repair or replacement of the defective part. The company's address for receipt of notice is:

Hurricane Boat Lifts
3301 SE Slater St.
Stuart, FL 34997

This warranty shall be void should the product be re-installed at any location other than as set forth in the sales agreement, should the product be used in a commercial manner, should the product be used other than in accordance with the recommendations set forth in the installation and owner's manual(s), or should the product have been altered or modified after delivery. The electric motor is warranted for one-year, the electric motor switches for two years, and the gears, pulley and steel plates for five years. This warranty does not extend to the cables, bunk boards, drive-pipes, electric motors, or sheaves after one year. This warranty does not extend to products that have not been properly maintained, greasing all connections on a timely basis, not overloaded, improper alignment of boat on the lift, zinc replacement where applicable, subject to misuse, accidental damage, misapplication, or damage caused by electrical surges.

NO REPRESENTATIVE OR OTHER PERSON IS AUTHORIZED TO ASSUME FOR THE COMPANY ANY ADDITIONAL LIABILITY IN CONNECTION WITH THE SALE OF ITS PRODUCTS OR TO ALTER THIS WARRANTY IN ANY WAY. OTHER THAN AS SET FORTH ABOVE, THE COMPANY MAKES NO EXPRESS OR IMPLIED WARRANTY (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS) RELATING TO THE PRODUCT. FURTHER, THE COMPANY SHALL NOT BE RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES RESULTING FROM ANY SUCH DEFECTS.

APPENDIX A: TROUBLE-SHOOTING

Trouble	Probable Cause	What To Do
Motor fails to start	<ol style="list-style-type: none"> 1. Blown circuit-breaker at main power box 2. Blown circuit-breaker on GFI 3. Defective capacitor (motor hums) 	<ol style="list-style-type: none"> 1. Reset Fuse 2. Reset Fuse 3. Change motor capacitor or check capacitor connection
GFI Circuit-Breaker Will Not Reset.	<ol style="list-style-type: none"> 4. Water in The GFI. 5. Short in Electrical Wiring. 	<ol style="list-style-type: none"> 4. Dry or Replace. 5. Contact a Licensed Electrician.
Lift Coasts after being Turned Off.	<ol style="list-style-type: none"> 6. Improper Belt Tension. 	<ol style="list-style-type: none"> 6. Tighten/Replace Belt.
Direction of Lift is Opposite from Posted Markings.	<ol style="list-style-type: none"> 7. Motor is Wired incorrectly. 8. Cables are wound in reverse. 	<ol style="list-style-type: none"> 7. Check Connections with Diagram Supplied with Motor. 8. Allow Lower Cradles to Extend Fully and Rewind Cables in Opposite Direction.
Lift Motors Starts Accidentally.	<ol style="list-style-type: none"> 9. Wireless Remote is accidentally activated. 	<ol style="list-style-type: none"> 9. Turn Main Power Off When Not in Use.
Boat and Lift are Not Level.	<ol style="list-style-type: none"> 10. Difference In Motor Speed. 11. Piling Has Sunk. 	<ol style="list-style-type: none"> 10. Level Lift by Starting One Motor Only. (See operating instructions). 11. Adjust Pilings Or Lift Connections to Pilings.