



A BOAT WORTH
LIFTING BELONGS ON
A LIFT
WORTH OWNING.



OWNER'S MANUAL

OWNER'S MANUAL

Congratulations on your purchase of a Hurricane Boat Lift System. We appreciate your business and want you to know that you have purchased the finest lift available. This Owner's Manual is designed to provide vital information on safety, operation, maintenance, and warranty of your new lift. Your Model Number/Serial Number is recorded below. To **ACTIVATE YOUR FACTORY WARRANTY** coverage, please take a moment to complete and return your included warranty card. The warranty card is enclosed with all paperwork.

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 directly 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,



Dan Michels
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 operated. 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 & INSPECTION GUIDELINES

Congratulation on your purchase of a Hurricane Boat Lift! Your Lift system is designed and manufactured to provide long life in a marine environment. The lift does, however, require regular maintenance to ensure safety, performance and longevity. Routine maintenance will keep the lift operating at peak performance for years. Failure to maintain the lift regularly could result in system failure, personal injury or death, and damage to the lift & boat.

CAUTION: You lift is not meant to be a "People Mover." All persons & pets must be out of the boat and clear of the lift when raising it out of the water or lowering it into the water.

NOTE: DO NOT leave your lifting cradle & bunks in the water while you are out using your boat. Leaving them in the water for may lead to accelerated corrosion and/or electrolysis which can lead to premature failure of the lift. Track beams for elevator lifts need to have zincs attached to the beam to minimize corrosion / electrolysis. **Corrosion / electrolysis failure is not covered by Warranty.**

The following materials are needed for routine maintenance:

- Lubricating Spray
- Grease Gun and Waterproof Grease (Lucas Oil, Red N Tacky is recommended)
- Hand tools & Work gloves

	Each Use	Wk.	Mo.	Qrtly	Semi-Annual	Annual
A. Routine Maintenance						
1. LOWER CRADLE: Rinse lower beam, pulley sheaves & cables with fresh water. Confirm that no floating debris was picked up during the lifting process.	✓					
2. UPPER BEAMS: Rinse Cable Winders & Cables with fresh water	✓					
3. CABLES/TRACK BEAMS: Cables have a limited operating life and need to be inspected replaced periodically. Inspect by running a gloved hand along the cable to see if there are snags or fraying wires. If any appear, replace cables immediately. Inspect track beams for signs of electrolysis and marine growth. Ensure beams have zinc bars on each beam and are maintained.			✓			
4. SHEAVES (Pulleys): Remove and examine sheaves for wear on a yearly basis. Replace if necessary.						✓
5. BUNK BOARDS: Bunk boards and carpet will need periodic replacement that is dependent on usage. Inspect and repair/replace as needed.						✓
6. NUTS AND BOLTS: Check tightness of Sheave nuts. (Do not over tighten; Sheave must spin freely.) Inspect other bolts and nuts for tightness.					✓	

7. STRUCTURE: Regularly look over the entire lift for anything unusual. Check all welds and aluminum for cracks or stress marks. If you find any, discontinue using the lift and contact Hurricane Boat Lifts Immediately.	✓	✓	✓	✓	✓	✓
---	---	---	---	---	---	---

B. Routine Lubrication						
1. GEARBOX: These are maintenance free and only require periodic inspection for unusual noise or leaking seals.				✓		
2. SHEAVES (Pulleys): Grease the Sheaves through the zerks on and stainless steel bolts on which the Sheaves turn.			✓			
3. BEARING BLOCKS: The Drive Shaft runs through the Bearing Blocks and rides on a thin film of grease. Depending on usage, periodically add grease to all grease zerks (minimum once a year).			✓	✓	✓	✓

***Note:** All areas requiring lubrication should be inspected & maintained monthly. Sometimes more frequently depending upon usage of the lift.

C. Maintenance Wireless Remote Control

1. The Hurricane Lift wireless remote control transmitter is a self-contained watertight unit. No maintenance is required. Hurricane recommends that the hand-held remote be kept in a secure place.
2. The Hurricane Lift mounted remote control box is a watertight unit. It is important that the cover remains closed/sealed to prevent water penetration. Inspect Quarterly by, turning the electrical breaker off and carefully opening the box to insure there has been no water penetration. If any water is found, contact your electrician to resolve and insure no damage has been done to the unit.

Limited Warranty: Hurricane Boat Lifts

- Each Lift model is covered by a separate warranty. Check Warranty Card provided with your lift for specific Warranty coverage.

APPENDIX A: TROUBLE-SHOOTING

Trouble	Probable Cause	What To Do
Motor fails to start	1. Blown circuit-breaker at main power box 2. Blown circuit-breaker on GFI 3. Defective capacitor (motor hums)	1. Reset Fuse 2. Reset Fuse 3. Change motor capacitor or check capacitor connection
GFI Circuit-Breaker Will Not Reset.	4. Water in The GFI. 5. Short in Electrical Wiring.	4. Dry or Replace. 5. Contact a Licensed Electrician.
Lift Coasts after being Turned Off.	6. Improper Belt Tension.	6. Tighten/Replace Belt.
Direction of Lift is Opposite from Posted Markings.	7. Motor is Wired incorrectly. 8. Cables are wound in reverse.	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.	9. Wireless Remote is accidentally activated.	9. Turn Main Power Off When Not in Use.
Boat and Lift are Not Level.	10. Difference In Motor Speed. 11. Piling Has Sunk.	10. Level Lift by Starting One Motor Only. (See operating instructions). 11. Adjust Pilings Or Lift Connections to Pilings.