



Davit Master[®]

BOAT LIFTS

OWNERS MANUAL VERTICAL CRADLE LIFTS

YOUR ID NUMBERS

Record your Model Number and Serial Number (located on the cradle beams) below.

Please retain this booklet and refer to you model and serial numbers when inquiring about your Cradle Lift System.

MODEL NUMBER _____

SERIAL NUMBER _____

DATE OF PURCHASE _____

DEALER _____

CHAIN DRIVE SYSTEMS B-LINE SYSTEMS DIRECT DRIVE SYSTEMS

LIFT CAPACITIES: 7,000 THROUGH 45,000 LB.

ALUMINUM & GALVANIZED STEEL LIFTS

**READ THIS MANUAL CAREFULLY BEFORE
OPERATING CRADLE LIFT**

1.800.878.5560

OR VISIT

www.davitmaster.com

WARNING

INJURY OR DEATH COULD RESULT IF YOU IGNORE ANY OF THE FOLLOWING:

- For use by adults only.
- Never leaving lift running while unattended.
- Keep hands and clothing away from moving parts.
- Cradle lifts are not intended for human lift. Remove people and cargo before raising your boat.
- Never ride in your boat while it is being lifted.
- Never load your cradle lift system beyond it's capacity.
- Turn the power supply to the lift off when the lift is not in use.

CAUTION

1. It is very important to always turn your system off once the boat has been lifted. Damage and/or injury could result if the lift is left with power on.
2. For lifts with Remote Control Systems: Turn off power when not in use. Transmission ranges can fluctuate and the lift can accidentally be started when toying with the transmitter. Power should always be turned off when not in use as outside transmissions may also activate the lift.
3. Be sure that no persons are under, near or on the lift during operation.
4. **WORK PLATFORMS** are an option and have been designed for your convenience to work on your boat while the boat is **ON THE LIFT**. Do not utilize the work platform in any fashion while the lift is empty, as the work platform is unstable without the weight of the boat on the cradle.
5. Cradle lifts are heavy marine equipment and should be treated as such.

NOTE: Do not take chances with your investment. Before operating your lift inspect cables, chains and sheaves to see if maintenance is required and that all is in working order. If lift has sat idle for an extended period of time, a thorough inspection and lubrication should be conducted before operating the lift.

OPERATION

LAUNCHING YOUR BOAT

1. Turn on the main power source.
2. Lower cradle/boat to the point that the cradle is just touching the water. Prepare your boat for departing. Install drain plug, lower motor/outdrive, board guests, etc.
3. Once prepared: lower the boat into the water until your boat floats and is clear of the bunks.
4. Manually push your boat clear of the lift. Raise your cradle until it is well out of the water. Depart

LIFT AND STORE YOUR BOAT

1. Lower cradle until cradle is submerged to a sufficient depth to allow your boat to be floated over the support bunks.
2. Maneuver your boat over the support bunks until it is properly aligned fore & aft and side-to-side.
3. Raise cradle until the system begins to lift your boat. Check boat for alignment on cradle and between the pipe guides. Adjust as required.
4. Prepare boat for storage, install drain plug, remove gear, disembark personnel.
5. When boat is prepared, raise the boat to the desired height and turn off motors.
6. Rinse off lower beams, sheaves and cables while hosing boat with fresh water.
7. Your boat is now ready for long term storage.
8. **TURN MAIN POWER SOURCE TO LIFT OFF**

REMOTE CONTROL SYSTEM

1. Standard remote control system: Press and hold the up or down button until cradle is at the position you want. Stop by releasing the button. The **LEVEL** button turns off power to one motor – level by raising or lower the other motor/side.
2. Remote controls with **LIMIT SWITCH/AUTO STOP**: Same as above, with the exception that you only need to press the up or down button once to begin the operation. The limit switch stops the cradle at the **PRESET LEVELS**.
3. Remote Control system may also be operated manually by accessing the switches on the control board cover. Open the hinged door to access these controls.

LEVELING THE LIFT

OPERATION FOR LEVELING CRADLE LIFT

1. Turn on power to lift.
2. Turn on the Level Switch.(This temporarily turns off power to one of the motors. It will always stop the same motor. The cradle is leveled by stopping one motor and operating the other motor in the desired direction to level the lift)
3. Use UP/DOWN on the control box or remote transmitter to correct the side to side position of the cradle by holding switch or button until lift is in desired position and then release.
4. ALWAYS TURN OFF THE POWER TO THE LIFT WHEN NOT IN USE.

REMEMBER

1. Never forget to turn off the power to your lift when not in use. This will prevent others from operating the system without your knowledge, accidental power starts and accidental signals from the remote control transmitter.
2. It is important to keep all persons away from the cradle lift while you are operating the system.
3. Do not use the work platform when lift is empty. The work platform is designed for use when boat is bearing a load on the lift.
4. Do not drive/power your boat onto the lift. Cradle must be lowered to a depth that fully clears the hull prior to lifting.

MAINTENANCE

YOUR DAVIT MASTER CRADLE LIFT IS MANUFACTURED TO PROVIDE LONG LIFE IN A VERY CORROSIVE ENVIRONMENT.

IF IT MOVES, LUBRICATE IT!

All areas requiring lubrication should be maintained monthly and some times more frequently depending upon frequency of use..

1. CHAIN DRIVE SYSTEM: the chain should be sprayed with grease at least once a month and kept clear of grime and debris. The Gear Box oil level should be checked every 3 months. Gear box should be about half full. Do not overfill.
2. B-LINE BELT DRIVE SYSTEM: Every month, check belt for tension, cracking, and other signs of deterioration. Grease any and all grease fittings.
3. MOTORS: Every month check motors for loose bolts and any external debris or issues that may hinder motor performance.
4. PIPE-DRIVE: Every month inspect and grease the Bearings with a 90 weight marine grease. This keeps condensation and dirt out of the bearing. Wipe off excess grease. Visually check the cable winders and all nuts and bolts. Clean tighten as may be required.
5. CABLE: The cable does all of the lifting of the boat and needs to be inspected before every lift operation. Cables should be thoroughly rinsed with freshwater after every operation.. A light coat of grease should be on the cables at all times. Under normal usage, monthly applications should be adequate but apply as required depending upon frequency of use.
6. SHEAVES: Rinse sheaves with freshwater after every use. Grease the sheaves and sheave bolts on a monthly basis. Routinely inspect for debris (aquatic growth/debris) that may have settled on the cables or sheaves during the lifting operation.
7. RINSING: Routinely rinse your lift with fresh water after every lift operation. This will help keep your lift in top physical and operating condition.
8. Do not leave your lift submerged for prolonged periods of time. This promotes deterioration and electrolysis.

