

Yacht Lifts

Capacity: 30,000 lbs – 180,000 lbs

Big boat? No problem! Hi-Tide **Yacht Lifts** can hold boats from 30,000 lbs to 180,000 lbs! Need a special size or configuration? Call us and let us customize a lift for you!



Warranty

- 15-year structural warranty
- 5-year gear box warranty
- 2-year motor warranty
- 1-year comprehensive warranty

Standard Features

- Four-motor remote control and limit switch
- All-aluminum structure using 6061-T6 marine-grade aluminum
- Twin I-beam top carrier beams
- Welded construction throughout
- Aluminum pulleys with greaseable stainless steel axle bolts
- Aluminum-grooved cable winder
- Stainless steel cables and hardware

Options & Accessories

- Aluminum catwalks
- Customized bunks
- X2 upgrade is available on our 30,000/40,000/50,000 lbs yacht lifts
- Additional options and accessories available

Specifications for Yacht Lifts

Structural Specifications for Yacht Lift

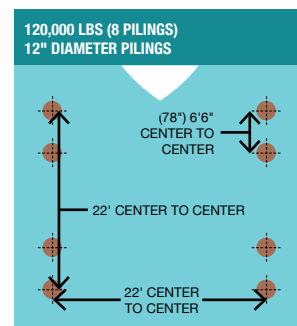
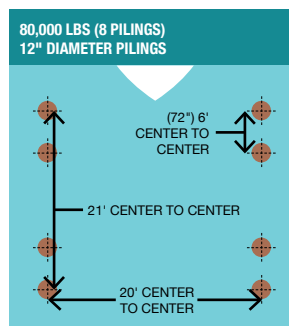
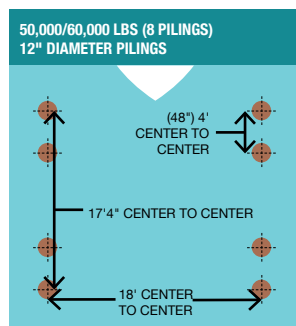
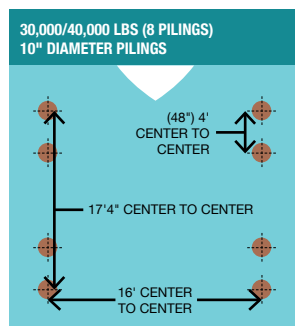
LIFT MODEL	TOP CARRIER	LIFTER BEAM STANDARD/MAXIMUM	CABLE SIZE (STAINLESS STEEL)	SPEED	STANDARD BUNKS (WOOD)*	MOTOR (STAINLESS STEEL)	REQUIRED VOLTS/AMPS	GUIDE POLE SIZE	PILING QUANTITY/SIZE
30,000 LB CET (3-part CABLE)	Twin 5" x 60" I-beam	Double 10" I-beam twin lifters, 16'/18'	3/8" x 60'	24"/min	3" x 12" x 18'	1 hp Leeson brake motor	240V/30A	2" x 10"	8 pilings/ 10"-12" diameter
40,000 LB (4-part CABLE)	Twin 6" x 60" I-beam	Double 12" I-beam twin lifters, 16'/20'	3/8" x 65'	18"/min	6" x 12" x 20'	1 hp Leeson Brake Motor	240V/30A	3" x 12"	8 pilings/ 10"-12" diameter
50,000 LB (4-part CABLE)	Twin 7" x 60" I-beam	Double 12" I-beam twin lifters, 18'/18'	7/16" x 65'	22"/min	6" x 12" x 20'	2 hp Leeson brake motor	240V/60A	3" x 12"	8 pilings/ 12" diameter
60,000 LB (4-part CABLE)	Twin 8" x 60" I-beam	Double 12" I-beam twin lifters, 18'/20'	7/16" x 65'	16"/min	6" x 12" x 20'	2 hp Leeson brake motor	240V/60A	3" x 12"	8 pilings/ 12" diameter
80,000 LB (4-part CABLE)	Twin 10" x 84" I-beam	Double 12" I-beam quad lifters, 20'/22'	3/8" x 65'	14"/min	9" x 12" x 20'	2 hp Leeson brake motor	240V/60A	3" x 12"	Concrete: 8 pilings/12" diameter
120,000 LB (4-part CABLE)	Twin 12" x 90" I-beam	Double 18" I-beam quad lifters, 22'/28'	7/16" x 65'	11"/min	9" x 12" x 20'	3 hp Leeson brake motor	240V/80A	3" x 15'	Concrete: 8 pilings/12" diameter

*Custom bunking may be required and may result in additional cost.

Wire Specifications for the Yacht Lift

MOTOR HP (STAINLESS STEEL)	100'/240V	200'/240V	300'/240V	400'/240V
(4) 1 hp	#10	#8	#6	#4
(4) 2 hp	#8	#4	#4	#2
(4) 3 hp	#6	#3	#2	1/0

Piling Setting Dimensions for Yacht Lifts



Specification Notes:

- Side to side spacing may differ from diagrams depending on beam of yacht, check with Hi-Tide Sales to see if the standard dimensions are appropriate.
- Yacht Lift top carrier beams are designed to fit pilings up to (2) inches larger than specified. Concrete pilings or (4) inch larger pilings require lift customization and must be specified with order.
- Lifter beams are designed to lift on centerline of support pilings if dock edge overlaps centerline of piling; adjustment should be made to increase piling spacing side-to-side, or notch deck boards to accommodate lifter beam. Check with Hi-Tide sales as needed.

SPECIFICATIONS FOR YACHT LIFTS

All specifications subject to change without notice.

STRUCTURAL SPECIFICATIONS FOR YACHT LIFT

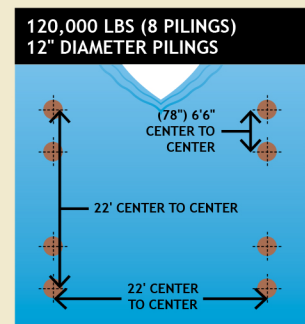
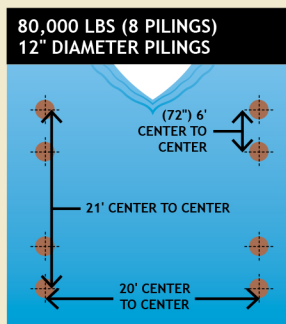
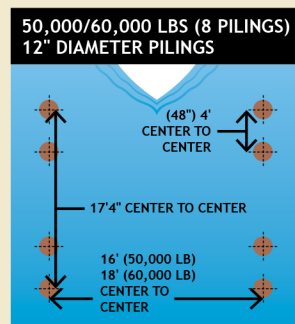
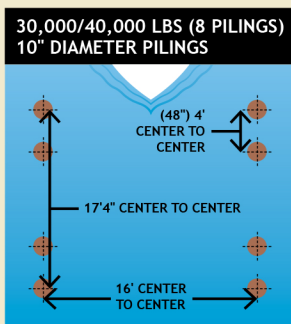
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PILING SETTING DIMENSIONS FOR YACHT LIFTS



SPECIFICATION NOTES:

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- Yacht Lift top carrier beams are designed to fit pilings up to (2) inches larger than specified. Concrete pilings or (4) inch larger pilings require lift customization and must be specified with order.
- Lifter beams are designed to lift on centerline of support pilings if dock edge overlaps centerline of piling; adjustment should be made to increase piling spacing side-to-side, or notch deck boards to accommodate lifter beam. Check with Hi-Tide Sales as needed.

WARRANTY

HI-TIDE SALES, INC. warrants the YACHT LIFT a follows:

- The structural integrity of the aluminum and stainless steel structure members will be free from defects in material and workmanship for a period of FIFTEEN (15) years from the date of delivery to the original purchaser. Under no circumstances will this warranty coverage extend to damage by electrolysis and corrosion.
- The oil bath gearbox unit will be free from defects in material and workmanship for a period of FIVE (5) years from date of delivery to the original purchaser.
- The electrical motor will be free from defects in material and workmanship for a period of TWO (2) years from the date of delivery to the original purchaser.
- The remaining components will be free from defects in material and workmanship for a period of ONE (1) year from the date of delivery to the original purchaser.

HI-TIDE SALES, INC. agrees to provide the necessary parts and service to the equipment during warranty periods described above; provided HI-TIDE SALES, INC. receives notice of any such defect within the applicable specified warranty period.

This warranty shall be deemed void and unenforceable and the equipment shall be deemed sold "AS IS" and "WITH ALL FAULTS", with the entire risk as to quality and performance to be borne by the original purchaser without any implied warranty of fitness or merchantability if any of the following should occur.

- If the equipment should be installed at any location other than the original purchaser's address specified in the sales agreement.

- If the equipment shall be used in any commercial fashion or other than in accordance with the recommendations contained in the operators manual provided to the original purchaser.
- If the equipment is damaged by an event that is not the company's fault; such as, but not limited to, damage caused by accidents, misuse, overloading, negligence, alteration, modification, or abusive operation.
- If the original purchaser or any one not authorized by HI-TIDE SALES, INC. attempts to make any repairs to the equipment.

This warranty further does not cover any damages whatsoever including incidental and/or consequential damages resulting from any adverse weather conditions, acts of God or other causes not due to a defect in materials and/or workmanship of the equipment.

NOTE: Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

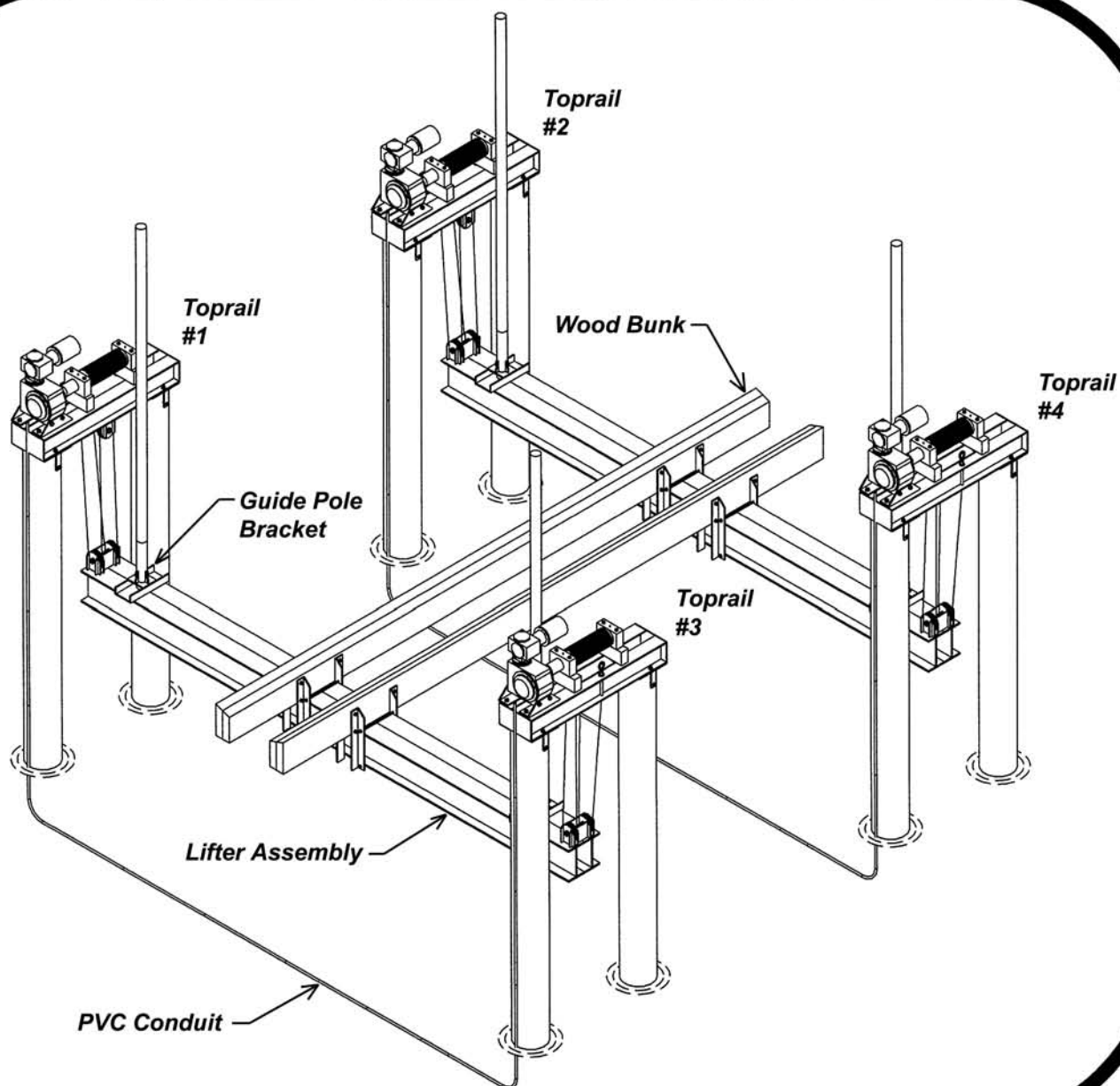
The provisions contained in this warranty shall constitute the entire warranty for the equipment. Any statements made relating to the equipment prior to the delivery of this warranty to the original purchaser and any descriptions or other information contained in any brochure describing the equipment are not intended to and do not form any part of the sales agreement and are not part of this warranty and are superseded by the terms of this warranty.

Effective 8/01/08



YACHT LIFT

Owner's Manual



www.hi-tide.com

4050 Selvitz Road • Fort Pierce, Florida 34981

(772) 461-4660 1-800-544-0735 Fax (772) 461-2298

Operation

THANK YOU

We would like to take a moment to thank you for purchasing a HI-TIDE YACHT LIFT. We believe our lifts are the easiest to use on the market today, and know that your new lift will give you many years of trouble free service. In the following pages you will find the necessary information for the maintenance of your new lift, as well as instructions on its use. Your new YACHT LIFT is the result of over thirty years of extensive research, design and development in south Florida where corrosion, barnacles, and severe weather make lifting boats absolutely necessary. As the leader in the industry, the YACHT LIFT offers features provided exclusively by HI-TIDE.

GENERAL OPERATION:

Upon completion of your lift, the installer will adjust the bunks and guide poles to fit your boat.

- 1) Turn power on to lift.
- 2) Set switches in "DOWN" position and allow lift cradle to sink into water deep enough to clear boat hull and props if necessary.
- 3) Float boat into pick-up position. Guide poles will automatically center boat side-to-side over bunks. The center of gravity of the boat must be over the center of the lift. Normally most of the overhanging portion of the boat will be extended beyond the front of the lift.
- 4) Set switches in "up" position and stand in center of the boat to avoid listing. Maintain fore and aft position and as soon as you feel the bunks contact the boat, set switches to the "off" position and step off the boat.
- 5) Continue to raise boat by setting switches to "up" position. When boat has reached desired storage height above water, set switches to the "off" position.
- 6) Turn power off to lift.

SAFETY TIPS:

- Keep Children away.
- Do not overload the lift.
- Do not power the boat onto the lift cradle as this will result in damage to the lift and/or boat.
- Do not allow yourself to be distracted or walk away from lift during operation. Failure to shut off lift will result in major damage to the lift and/or boat.
- Do not allow lift to fully contact the sea bed as this will tangle the cables.
- Do not raise cradle closer than 2 feet from top carrier beam.
- Keep hands and clothing away from all moving parts during operation.
- Lift motors must be stopped completely before activating reversing switches; otherwise lift may continue to move in the same direction.
- Make sure the bilge pump is set for automatic or remove the drain plug. Significant water accumulation in the bilge may overload the lift.
- We recommend that you turn the power off to the lift when you are not boating. When the power is off, no one can steal your boat.
- Lift is not designed for lifting human beings, and no persons should be under the boat while it is in suspended position.

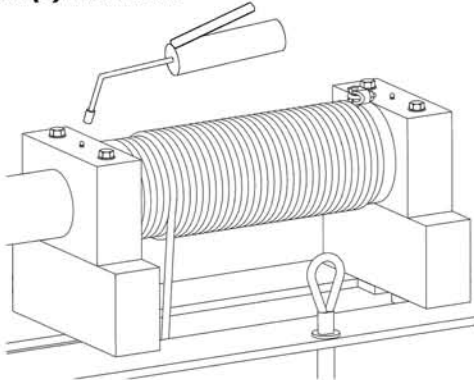
HELPFUL HINTS:

- A reference mark can be placed on a guide pole to indicate that the lift cradle is deep enough for the boat's hull to clear the cradle. This will assure clearance entering and leaving the cradle as the tide changes.
- For shallow water installations, a reference can be placed on a cable to indicate that the cradle has contacted the seabed. Turning the lift off before this point will prevent the cable winds from becoming tangled

Lubricant and Preventative Maintenance

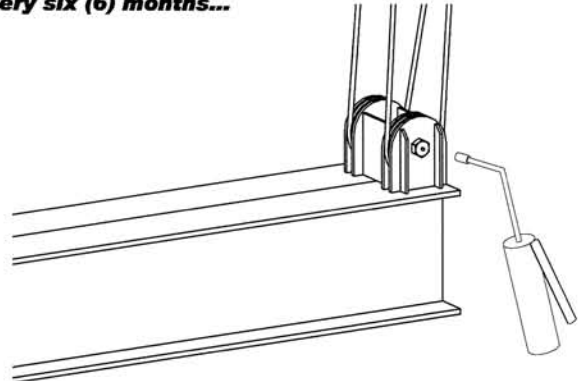
MAINTENANCE TIP: To keep your Hi-Tide lift operating at peak performance, minimizing service calls, we recommend that you operate your lift occasionally during the off-season or extended periods of no boating activity. Simply run the lift for approximately one minute in each direction. This will keep the motor contacts and brushes clean and all pulleys and bearings evenly lubricated.

Every six (6) months...



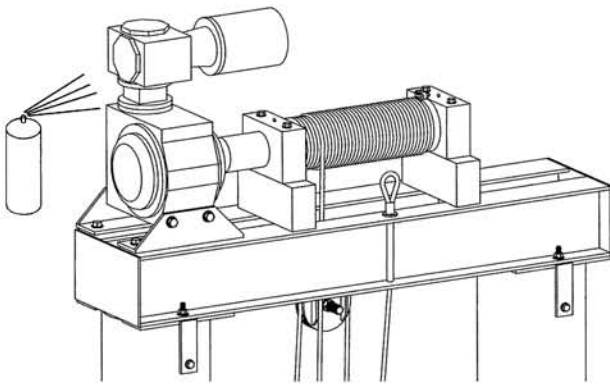
Grease bearings with marine grease, i.e. Flamingo Maxima E.P.

Every six (6) months...



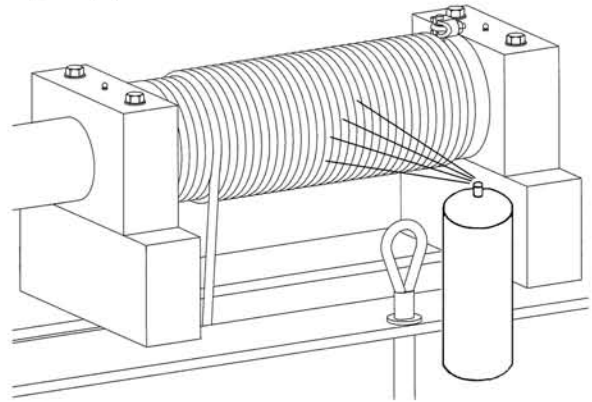
Grease aluminum sheaves with marine grease, i.e. Flamingo Maxima E.P.

Every six (6) months...



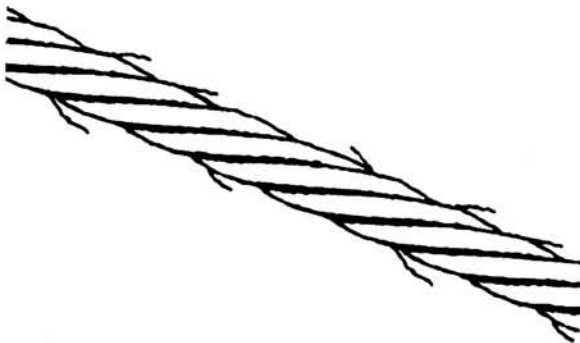
Spray gearbox and motor with a corrosion preventative lubricant, i.e. Corrosion Block

Every six (6) months...



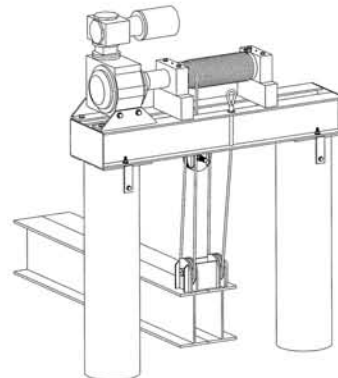
Spray cables and winders with a corrosion preventative lubricant, i.e. Corrosion Block

Every month...



Visually inspect lifting cables for any broken strands (cable fray). If so, notify your dealer.*

Every six (6) months...



Visually inspect all working parts of excessive wear and gearbox for oil leakage. If so, notify your dealer.*

***Hi-Tide Sales, Inc. strongly recommends service to be performed by an authorized dealer to maintain warranty.**

Warranty

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- C) The electrical motor will be free from defects in material and workmanship for a period of TWO (2) years from the date of delivery to the original purchaser.**
- D) The remaining components will be free from defects in material and workmanship for a period of ONE (1) year from the date of delivery to the original purchaser.**

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- C) If the equipment is damaged by an event that is not the company's fault; such as, but not limited to, damage caused by accidents, misuse, overloading, negligence, alteration, modification, or abusive operation.**
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This warranty further does not cover any damages whatsoever including incidental and/or consequential damages resulting from any adverse weather conditions, acts of God or other causes not due to a defect in materials and/or workmanship of the equipment.

NOTE: Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

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Effective 8/01/08



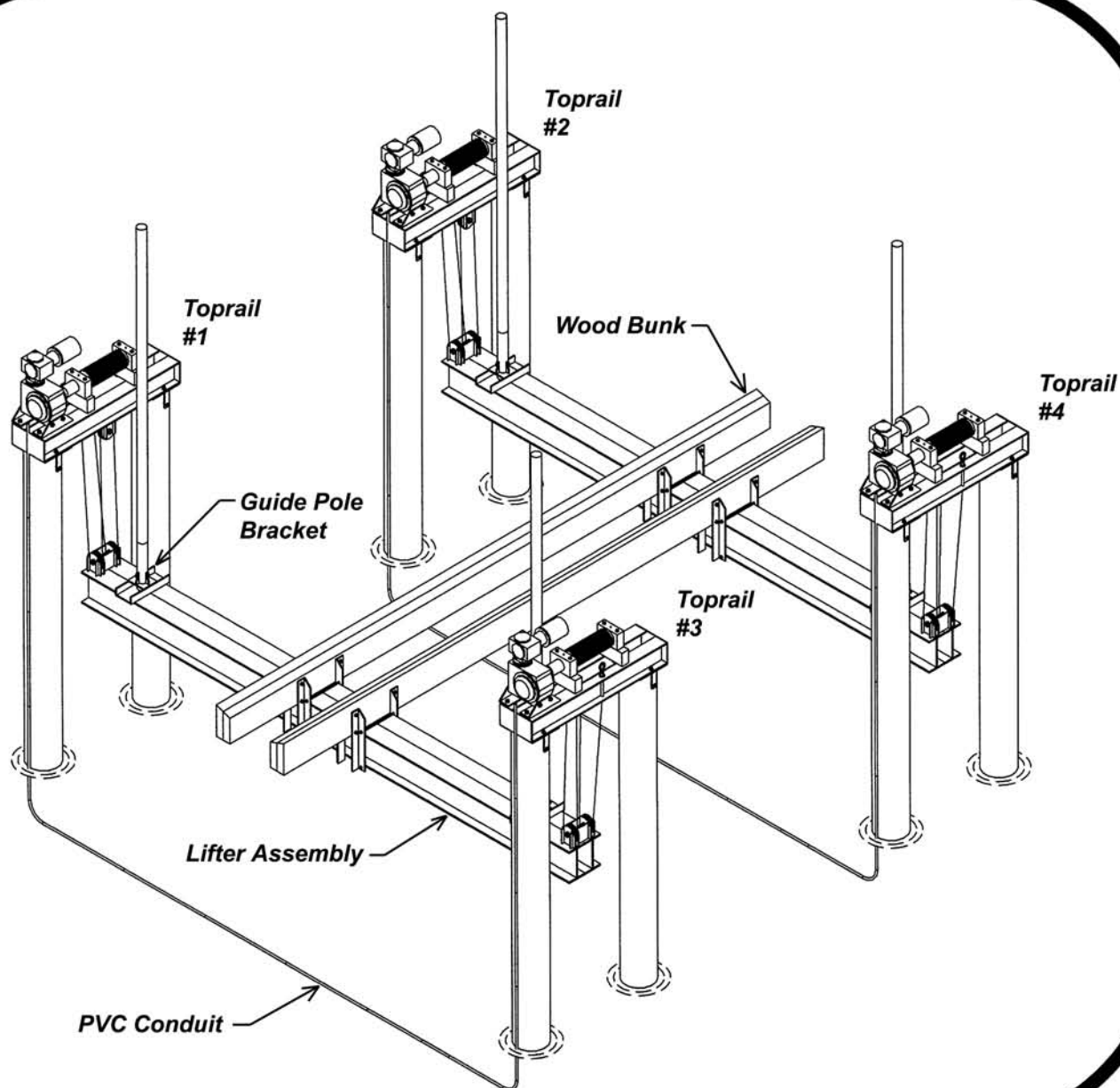
4050 Selvitz Road • Fort Pierce, Florida 34981

(772) 461-4660 1-800-544-0735 Fax (772) 461-2298



YACHT LIFT

Installation Manual



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INTRODUCTION

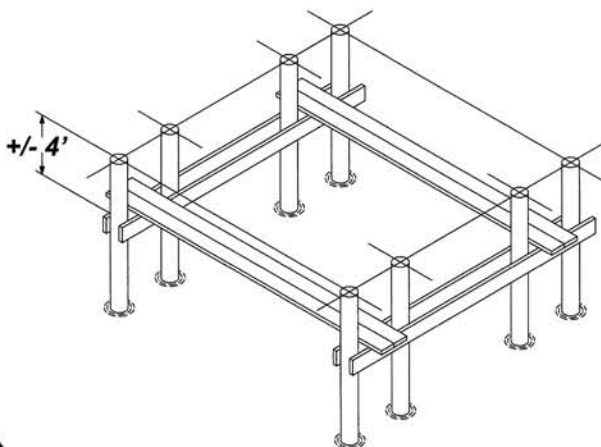
At Hi-Tide Sales, we take pride in bringing the most advanced, easy to use, minimum maintenance boat lift system to the market today. The installation of this lift is simplified by its lightweight design and simple operation. In the pages that follow, we will take you step-by-step through the entire installation sequence, including the lifting of the boat. We urge you to read this manual before attempting an installation.

Before you begin...

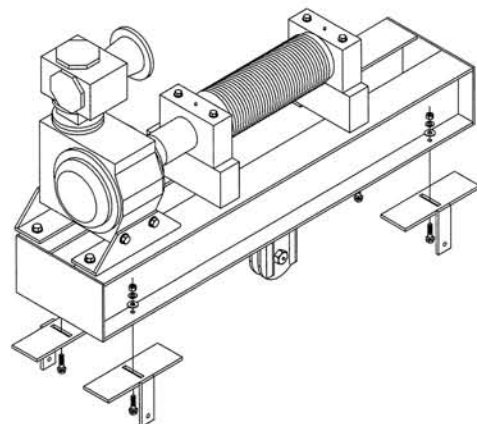
The YACHT LIFT can be mounted to either wood or concrete pilings. The pilings are the foundation of the boat lift and must be able to carry the load of the lift and the boat to be lifted. Local or National code and common practice varies from area to area. Consult the YACHT LIFT sales literature or call Hi-Tide for appropriate diagrams.

Step 1: Setting of Top Carriers

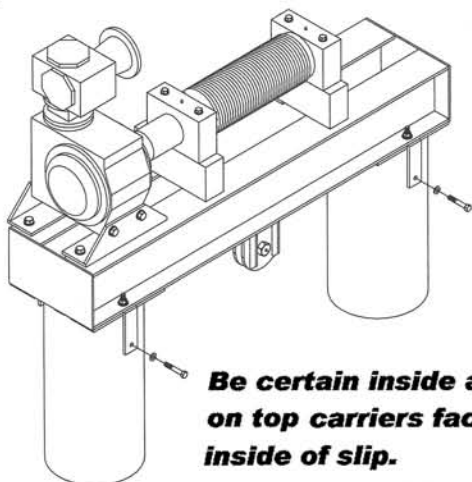
A. Scaffold and cut pilings to equal height and level tops.



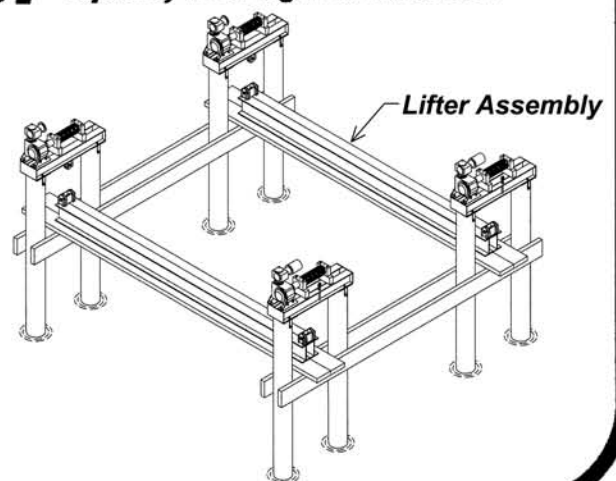
B. Attach mounting brackets to top carriers. Leave nuts loose.



C. Pre-drill $3/8"$ hole in pilings and mount top carriers using lag bolts.



D. Insure top carriers are level and square, then tighten all bolts.

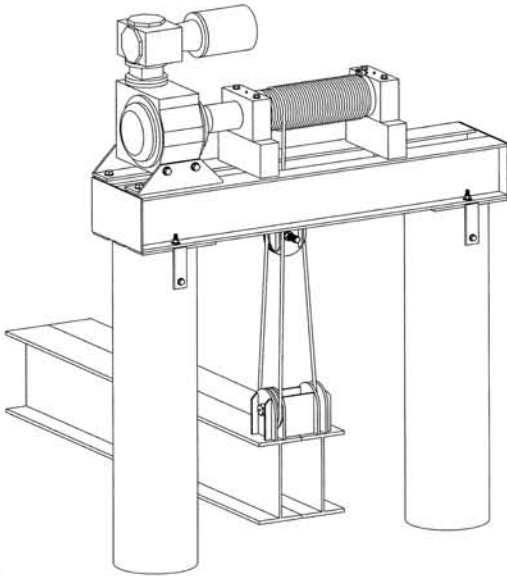


Step 2: Cable Routing and Hardware

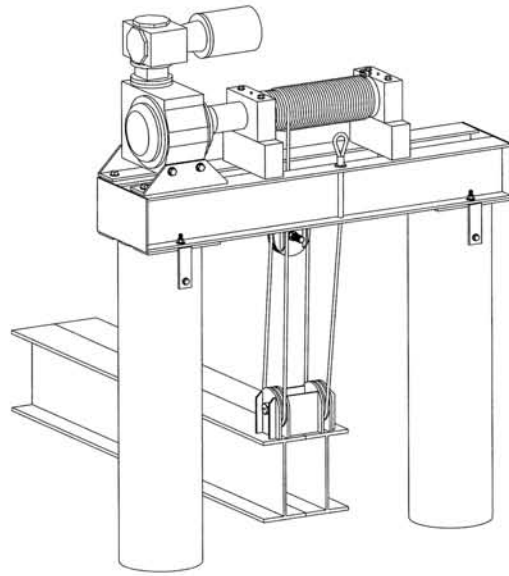
Place Lifter Beams on scaffolding below winding areas as pictured in previous step. Install and wind cables according to the applicable chart below.

Important Note: On all applications, the lift cable will descend off of the outer side of winder and wind onto the spool toward the drive unit.

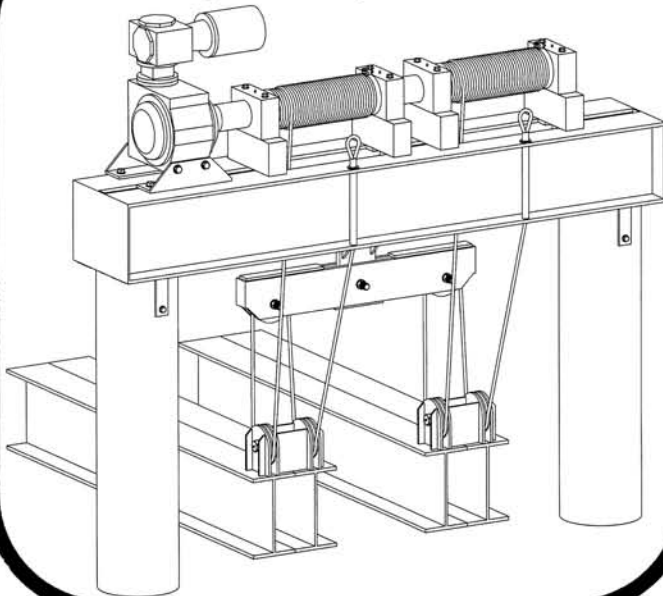
30,000 Lbs.



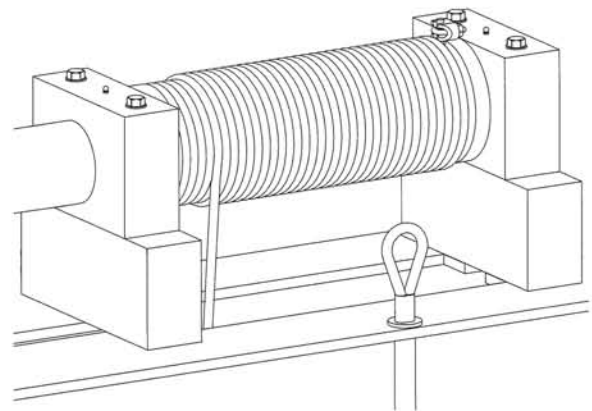
40,000-60,000 Lbs.



80,000-180,000 Lbs.



Cable Clamp Installation



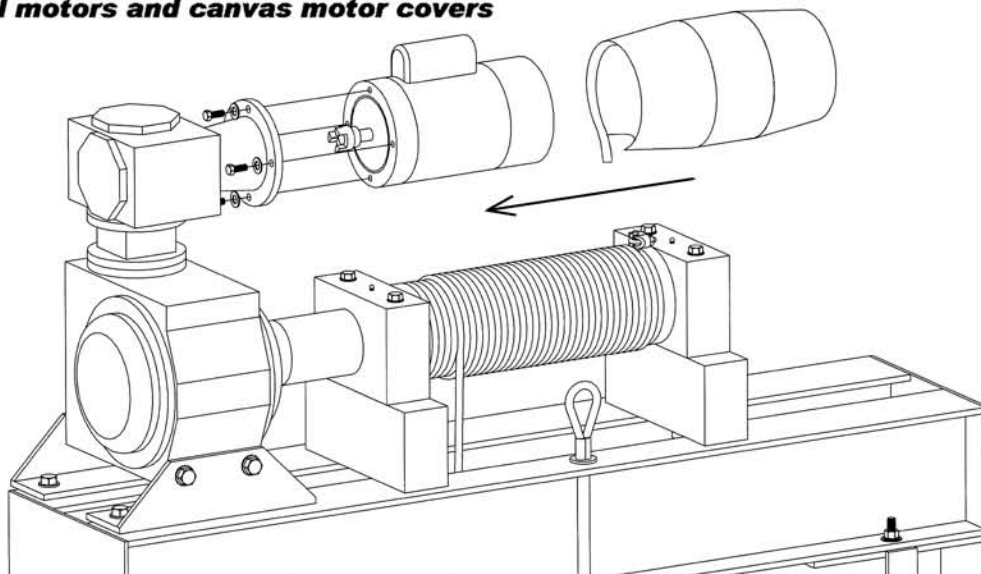
For typical installations, bow cables are shorter to assure good rain drainage and proper cradle fitment.*

***Lift cables should be adjusted such that the boat sits on the cradle at the same attitude as the boat sits in the water.**

Step 3: Attaching Motors

A.

Install motors and canvas motor covers



Step 4: Wiring the Lift

Measure center distance of pilings and assemble PVC conduit on land while threading the electrical wire through at the same time. A light spray of lubricant such as WD40 will make wire threading easier. Attach to pilings as pictured on front. Follow wiring instructions affixed to motors and/or remote controls if applicable. With correct wiring, cables should descend off the winder toward the outside of lift. The cables will also wind toward the drive unit. If necessary, follow wiring diagrams on side of motor to reverse direction of motors.

Boat lift Electrical Requirements

Having the proper electrical service to your boat lift is critical to the satisfactory operation of the lift. As a minimum the following copper wire sizes must be observed to preclude possible voltage drop and damage to electrical components.

Motor H.P.	100 Feet 240V	200 Feet 240V	300 Feet 240V	400 Feet 240V
(4) 1	#10	#8	#6	#4
(4) 2	#8	#4	#2	#2
(4) 3	#6	#4	#2	#1/0

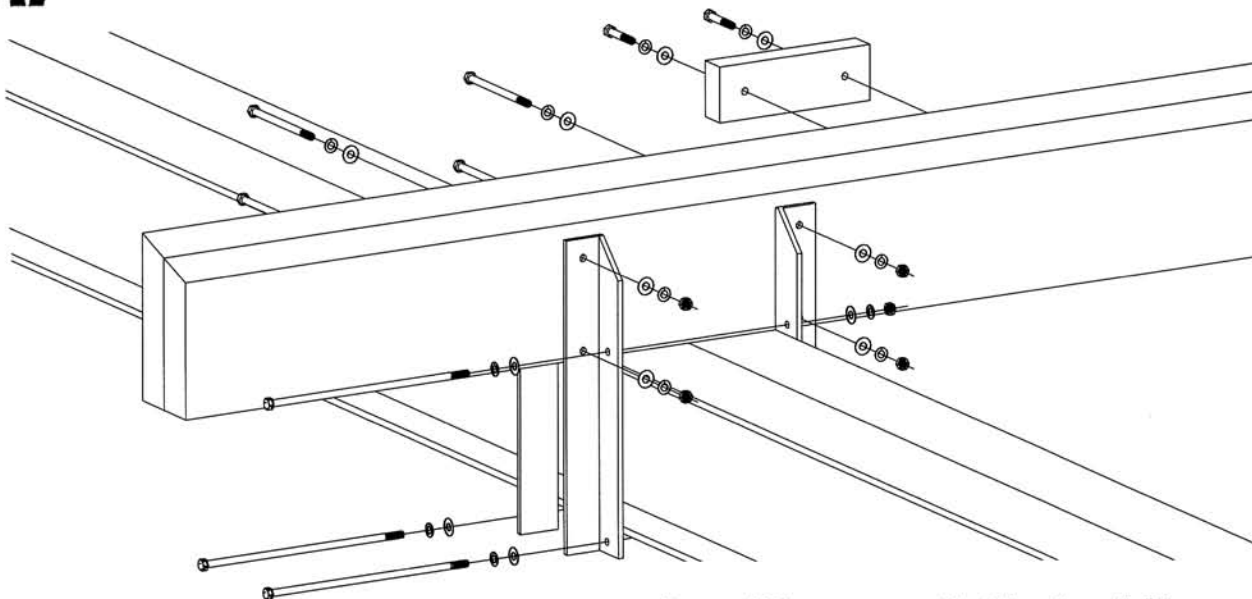
Important Notes:

- *When at all possible, electrical services should be dedicated to the boat lift only to avoid interference by other electrical appliances.*
- *Please do not change or ignore wiring diagrams, or instructions as shown. There may be other ways to make it work, but our way is the only way approved by us (the Manufacturer).*
- *All lifts must be wired for 240V for proper operation.*
- *The wiring suggestions and wiring diagrams referred to are not meant to supersede any national or local codes.*
- *Hi-Tide recommends electrical work to be performed by a licensed electrical contractor.*

Step 5: Constructing the Lift Cradle

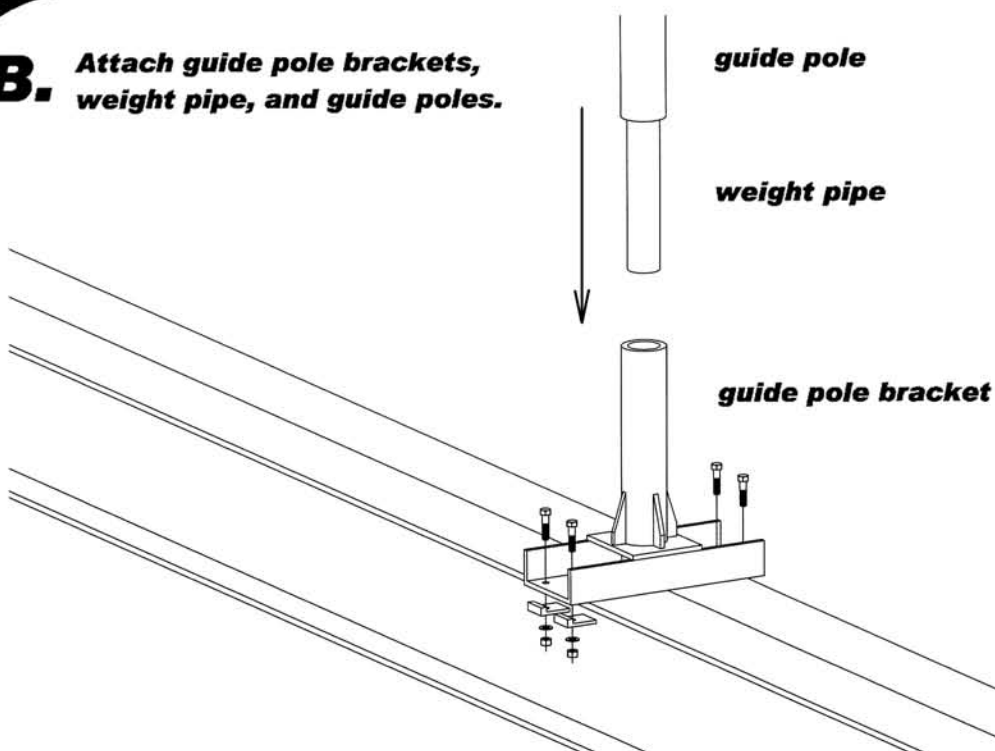
Wind cables and allow lifter beams to hang freely. Measure the lifter beam center distance. This should also be equal to winder center distance. Standard Bunking shown below, consult Hi-Tide Sales if your yacht's hull requires the installation custom bunking.

A. Mount carpeted bunks to lifter beams in order to retain lifter beam center distances.



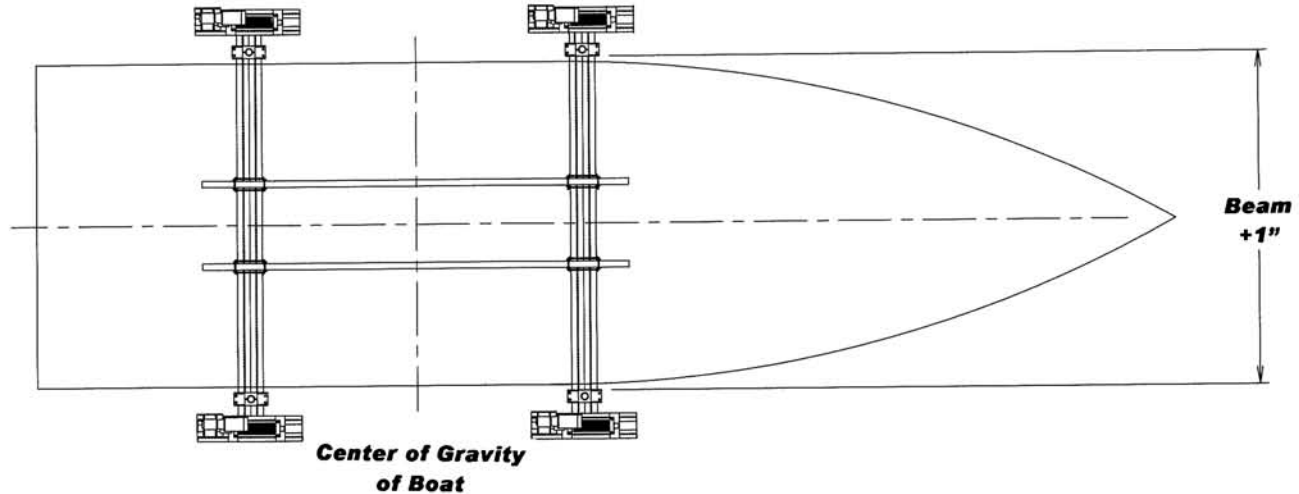
Some lifts are supplied lead weights. Attach lead weights to carpeted bunks.

B. Attach guide pole brackets, weight pipe, and guide poles.



Boat Fitment

Take care to clear shafts, thru-hull fittings, chines, etc. Keel of boat must not rest on lifter beam and should clear beam by at least one inch. Center of gravity of boat must be in center of lift (bow to stern). This will evenly distribute the load over the two lifter beams.



Helpful Hints:

- A reference mark can be placed on a guide pole to indicate that the cradle is deep enough for the boat's hull to clear the cradle. This will assure clearance entering and leaving the cradle as the tide changes.
- For shallow water installations, a reference mark can be placed on a cable to indicate that the cradle has contacted bottom. Turning lift off at this point will prevent the cable winds from being tangled. If shallow water conditions exist, Hi-Tide strongly recommends the fitment of a limit switch.

Important Notes to Installer:

It is the responsibility of the Installer to insure that:

- 1) The Installation is completed according to the manufacturer's recommendations.
- 2) The ultimate user understands how to operate in a safe manner.
- 3) The ultimate user acknowledges the need for regular service and maintenance of the lifting equipment by an authorized Hi-Tide dealer.
- 4) The Customer is informed and understands all safety and warning labels affixed to the equipment.
- 5) The center of gravity of boat is located by equal deflection of lifter beam.

No alterations or modifications may be made to Hi-Tide equipment without the expressed written consent of H-Tide Sales, Inc. Re-installation of Hi-Tide equipment must be preformed by an authorized Hi-Tide Agent/Dealer and must be preformed to the standards set forth by Hi-Tide Sales, Inc. Transfer of any remaining warranty to a new location is solely at the discretion of Hi-Tide Sales, Inc. It is the obligation of the re-installer to inform any new operators of the above conditions. Maintenance/Owners Manuals and Safety Warning Decals are available on request from Hi-Tide Sales, Inc.