



When It's Done Right...It's Golden!

32K, 40K, 56K 8 POST 4 MOTOR INSTALLATION INSTRUCTIONS



17611 East Street, North Fort Myers, FL 33917

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GENERAL INSTRUCTIONS

1. Read all instructions before starting installation.
2. Before setting pilings check with the boat owner and boat manufacturer for the proper hull support system. Options include keel beams and stanchions, I-beam bunks, step bunks, or any other combination the hull may require for full support.
3. Installation crew should be properly licensed, insured and qualified. If this is a first time installation a company representative will assist for the installation and initial lifting.
4. Only a qualified electrical contractor should wire the motors and controls.
5. Make the necessary arrangements for getting in the water. The final hull support placement of the bunks and stanchions will be completed with the boat in the slip.
6. Installation will proceed more quickly if ALL bolts are brushed with anti-seize compound first thing, before needing to use them.
7. Check the dimensions of the pilings against the sales order and verify the correct piling positions.
8. Trim all of the pilings to the correct height. All pilings must be at the same height and cut level.
9. Assemble the motors and gearboxes and attach them to the lift with the motor capacitor up and the water drain down.
10. Secure the gearbox to the shaft with the drive bolt located under the gear box cover. **NOTE WHICH BEAM CONTAINS AUTO - STOP.**
11. Attach the torque bolts through the gearbox flanges and to the lift torque nipples and arms.
12. Using ant-seize on the motor shaft, insert it into the gear box and attach with the four motor bolts provided. Note key way alignment when inserting motor shaft. Doing this prep work over on the ground or barge saves a lot of time, as opposed to working over the water.
13. Using the barge crane, lift each beam on to the pilings and secure them with the pile mount straps and lag bolts provided.
14. A shipping wedge was placed between the winder and the side of the beam. It may be necessary to remove the wedge during bolting the gear box on. Always keep tension on the cables if the wedge is removed.
15. Pre-assemble the cradle beams with the guide pole bases and stanchions leaving the hardware snug but not tight.
16. Place each pre-assembled cradle in position and loop the cable around the pulleys. **NOTE: Always keep the shipping wedge in place or tension on the cables.**

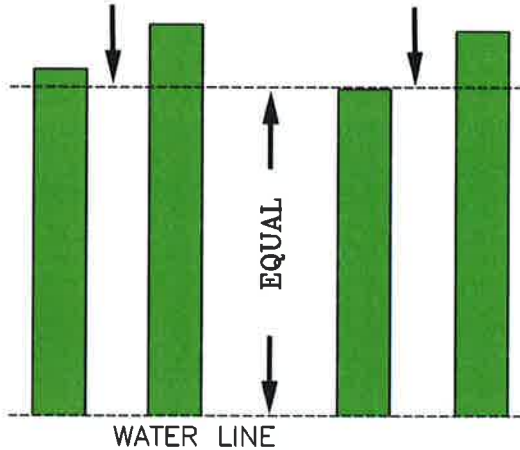


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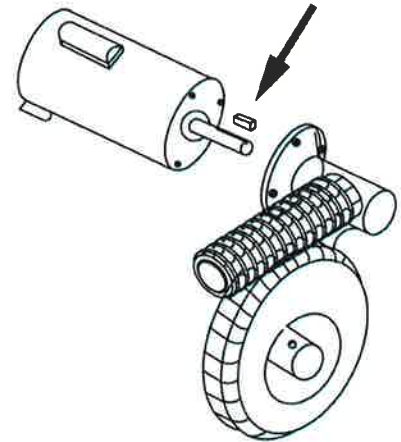
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GRAPHICAL INSTRUCTIONS

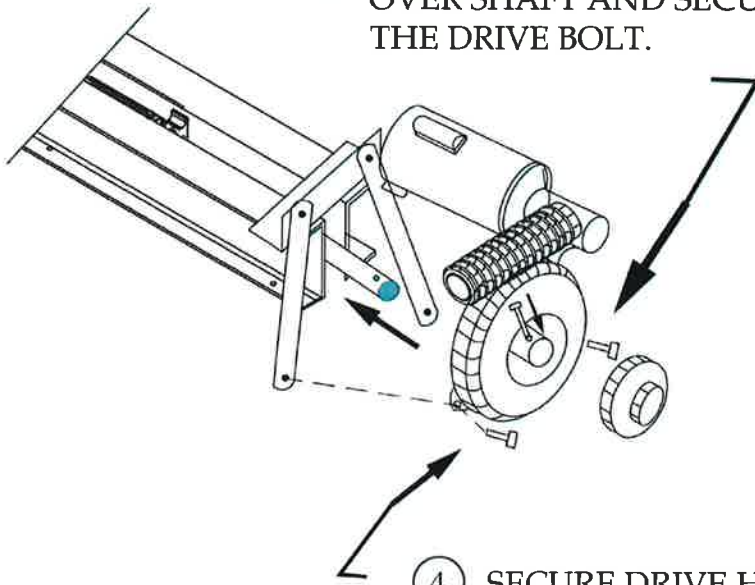
- ① TRIM EACH PILING TO THE SAME HEIGHT.



- ② COAT THE SHAFT WITH ANTI-SEIZE PUT KEY INTO GROOVE SLIDE MOTOR INTO GEARBOX SECURE WITH (4) 1" LONG BOLTS.



- ③ SLIDE GEARBOX AND MOTOR OVER SHAFT AND SECURE WITH THE DRIVE BOLT.



- ④ SECURE DRIVE HEAD TO LIFT BEAMS USING TORQUE ARMS AND TORQUE BOLTS AS SHOWN.

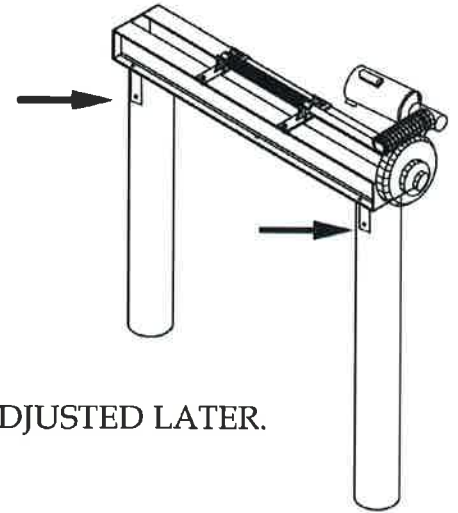
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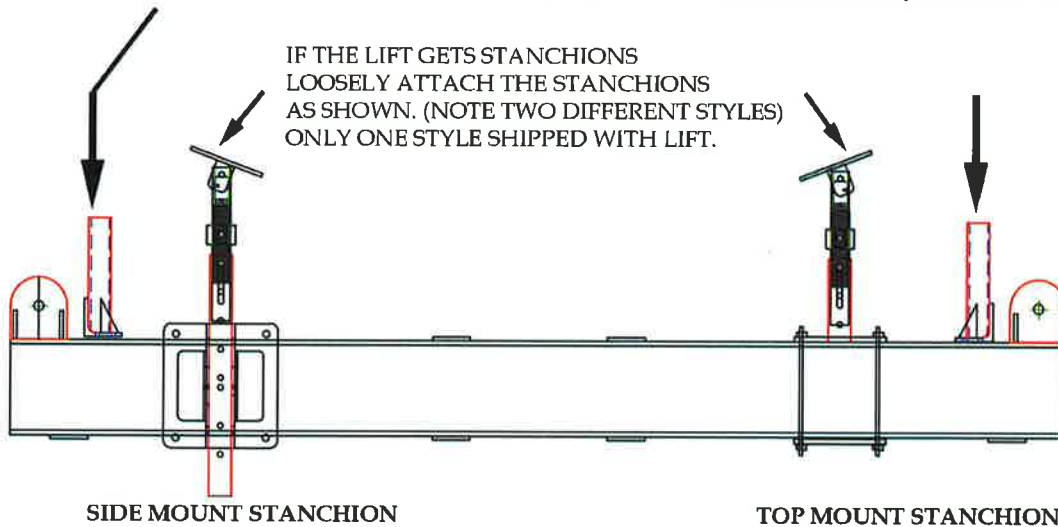
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GRAPHICAL INSTRUCTIONS CONTINUED

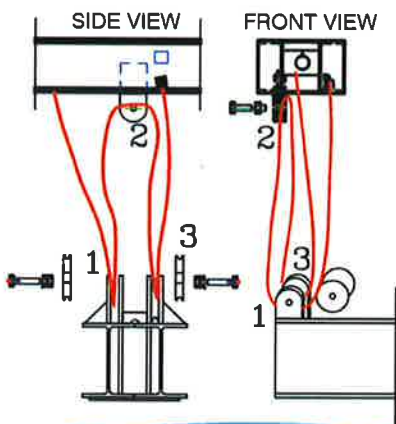
- ⑤ LOOSEN THE PILE STRAPS AND SLIDE THEM OUT OF THE WAY. LIFT THE ASSEMBLED TOP BEAM ONTO THE PILE AND FASTEN THEM WITH 4 LAG BOLTS. 32K AND 40K LIFTS USE 4" LONG BOLTS, 56K LIFTS USE 6" LONG BOLTS. CONCRETE PILES REQUIRE A SUITABLE CONCRETE FASTENER. REPEAT FOR ALL FOUR TOP BEAMS.



- ⑥ LOOSELY ATTACH GUIDE POLE BASES. THEY WILL BE ADJUSTED LATER.



4 PART CABLE INSTALLATION



- ⑦ THE LIFT IS SHIPPED WITH THE TIGHT LOOP NICO THREADED THRU THE BEAM AND THE WINDER WRAPPED WITH SHIPPING WEDGE IN PLACE. YOU WILL FIND A LARGE LOOP. PLACE THE CRADLE BEAM ON THE BARGE UNDER THE WINDERS AND REMOVE THE PULLEY AND BOLT #1. LOOP THE CABLE THRU AND REPLACE THE BOLT. NEXT REMOVE THE CABLE BEAM PULLEY AND BOLT #2 AND LOOP THE CABLE THRU THEN REPLACE THE PULLEY AND BOLT. LAST REMOVE THE PULLEY AND BOLT #3 AND LOOP THE CABLE THRU. REPLACE THE PULLEY AND BOLT. REPEAT FOR THE OTHER END OF THE BEAM.

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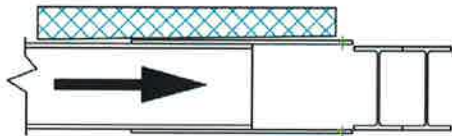
GRAPHICAL INSTRUCTIONS CONTINUED

ATTACH THE KEEL BEAM. IF YOUR LIFT WAS SHIPPED WITH THE I-BEAM BUNKS SKIP TO THE NEXT SECTION - "INSTALLING THE BUNKS"

THE KEEL BEAM HAS BEEN FACTORY PRE-ASSEMBLED TO ASSURE A PROPER FIT.

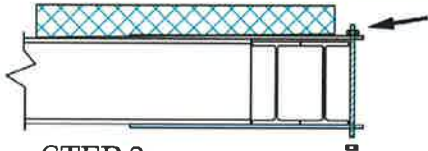
STEP 1

SLIDE THE KEEL BEAM OVER THE CRADLE BEAMS EXACTLY IN THE CENTER OF THE LIFT



STEP 2

INSERT ALL OF THE THREAD RODS INTO THE HOLES AND TIGHTEN BOLTS.

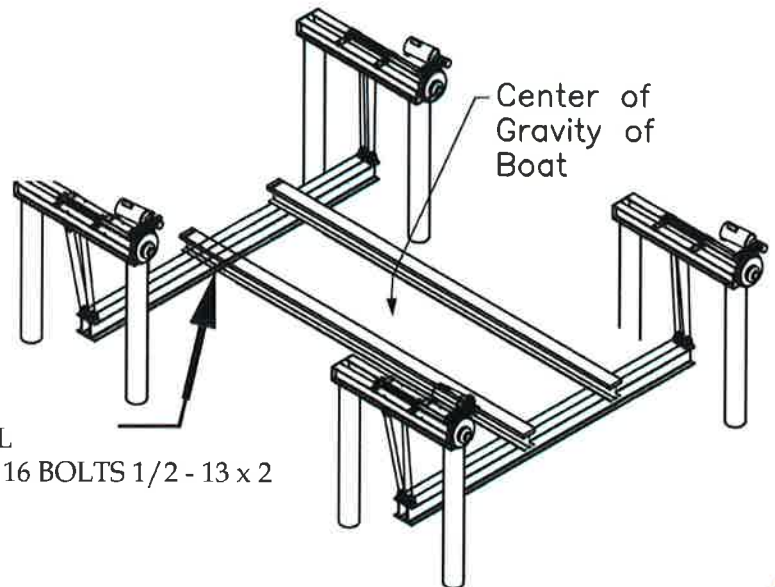
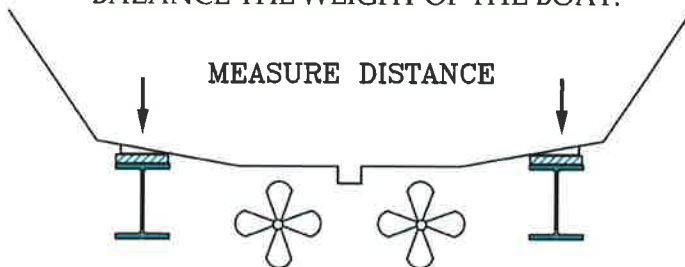


STEP 3

REPEAT FOR THE OTHER END.

INSTALLING THE BUNKS

MEASURE THE HULL AND PLACE THE BUNKS WHERE THEY WILL FULLY SUPPORT THE BOAT. BUNKS MUST BE INSTALLED EQUIDISTANT FROM THE CENTER OF THE CRADLE BEAMS TO BALANCE THE WEIGHT OF THE BOAT.



WHEN BUNKS ARE PROPERLY PLACED, DRILL AND BOLT TO THE CRADLE FLANGES USING 16 BOLTS 1/2 - 13 x 2

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At this point the equipment is all in place and you are ready to run the lift.

Have the electrician wire the motors and control box. If the lift has an Auto-Stop, locate its position and read the instructions under the cover.

Set Auto-Stop and level the lift.

With the motors wired, run the lift up to the approximate final up position. Set the upper limit at this location. Repeat this for the lower limit with the cradles near the floor of the berth. Check both top and lower limit and adjust or fine tune until the lift is stopping correctly. Adjust the level of the lift using the level switches on the control box. Each motor switch cuts off that motor. Run the lift until the low point is raised to level.

LIFTING THE BOAT

ONLY EXPERIENCED PERSONNEL SHOULD ATTEMPT THIS!

Move the boat into the slip and over the cradle beams. Raise the lift until the keel or cradle beam contacts the boat.

For lifts with keel beams:

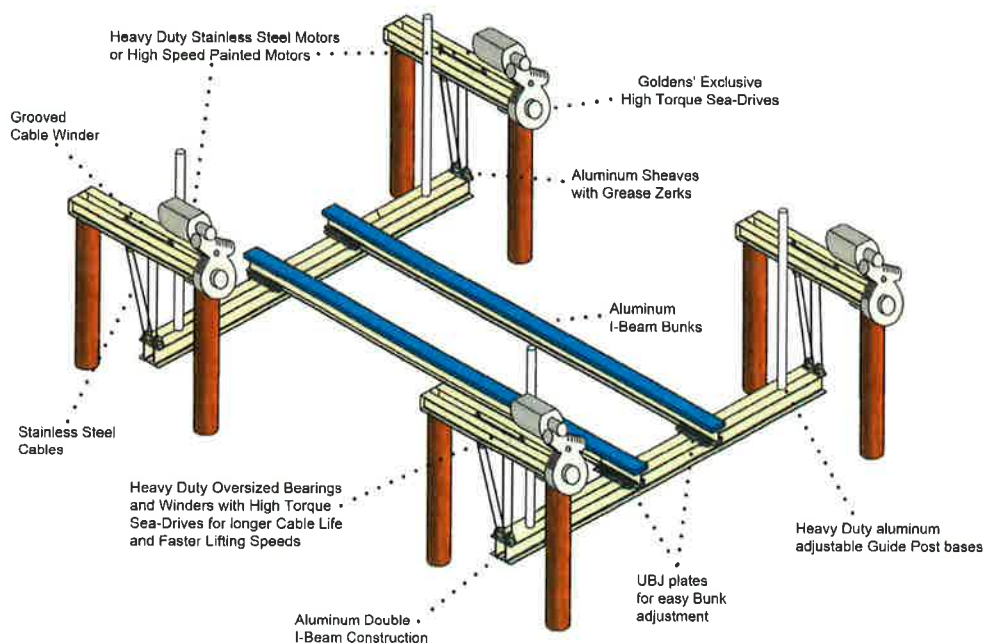
Slide the stanchion pads up to the hull equally on port and starboard. Adjust until they just touch the boat. Make sure the boat is straight on the keel beam.

FOR BOATS WITH BUNKS VERIFY CORRECT LOCATION.

Lift the boat a little more and check all around. Look for anything hull fitting in contact pads. Make sure the boat is sitting on the keel beam fully and the stanchion pads are just touching the hull. Continue to raise the boat slowly until it is fully out of the water while checking the boat and lift.

Insert the guide poles into the receiver tubes and adjust to the edge of the boat. This insures that the boat is centered on the lift.

THIS COMPLETES THE INSTALLATION



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