V2500

Assembly Manual and Warranty Information

Proudly Made in Michigan
By
NuCraft Metal Products
402 Southline Rd.
Roscommon, MI 48653
By: Rachel Wiltse

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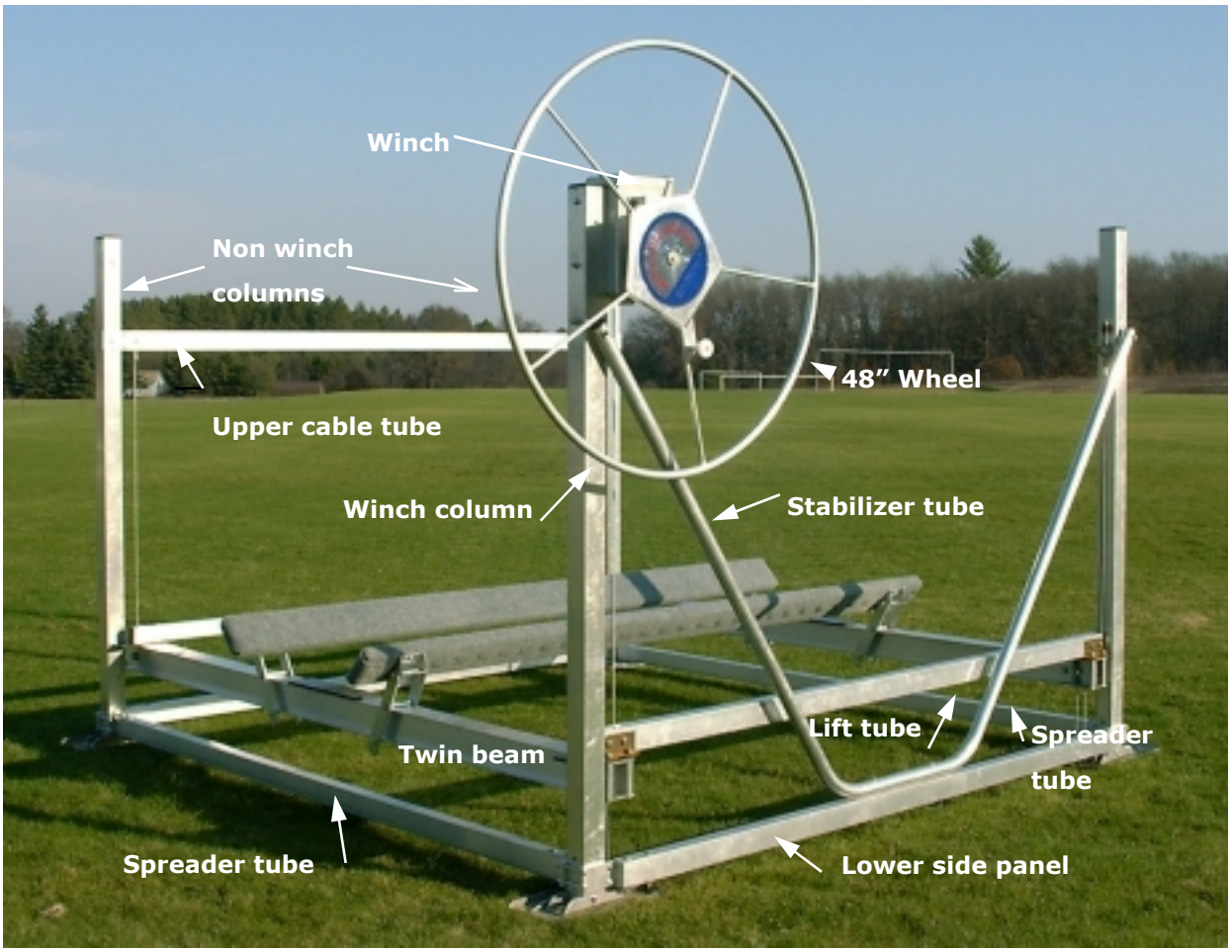
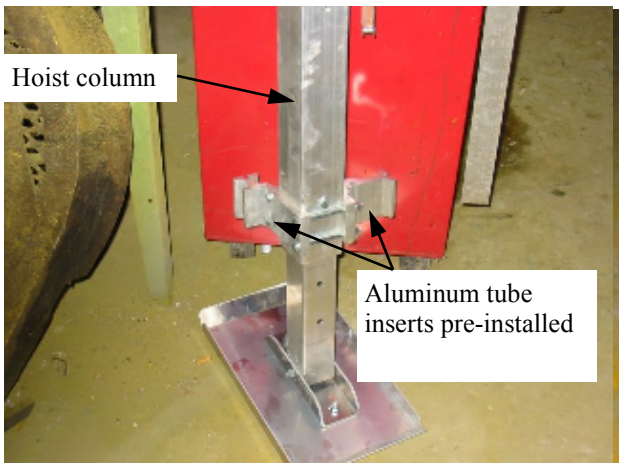
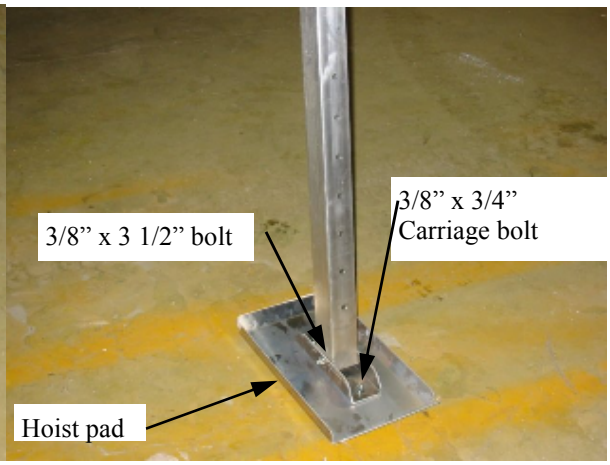
The manuals and drawings are also on the web at www.Craftlander.com

Suggested frame assembly method shown below.





1.) Assemble telescoping legs in hoist columns. Aluminum tube inserts pre-attached for lower tube frame.



View of hoist pad, pad bracket and telescoping leg.

2.) Insert lower side panel tube over "L" shaped clamp on a column. See below. Note DO NOT OVE TIGHTEN BOLTS ON TUBES WITH NO SUPPORT INSIDE OF TUBING. One bolt on "L" clamp locations is one of those places.

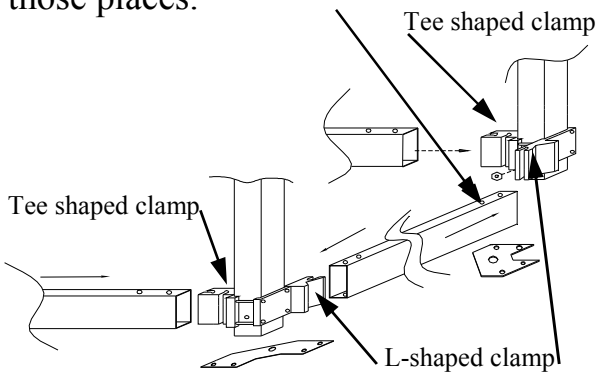
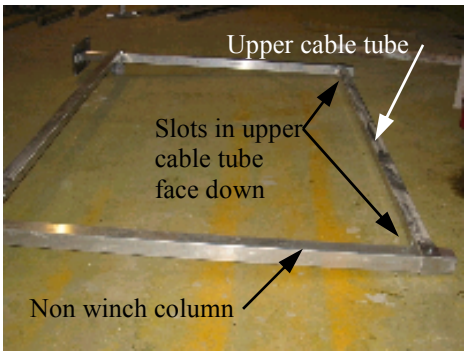
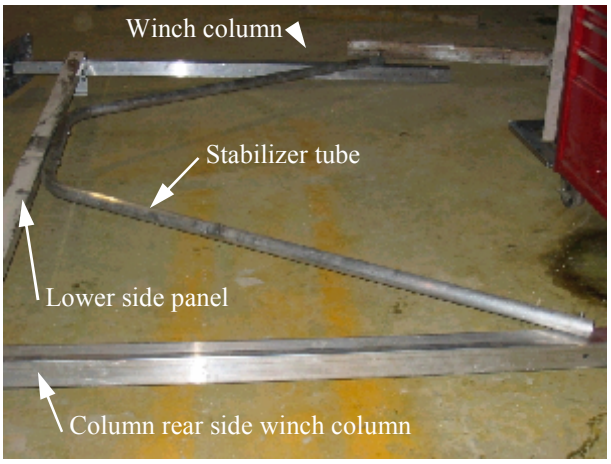


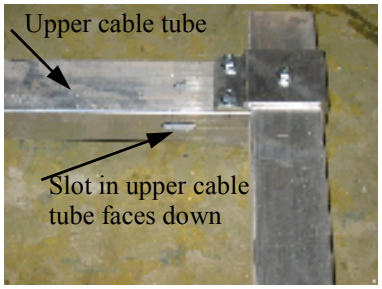
Illustration showing lower framing components.



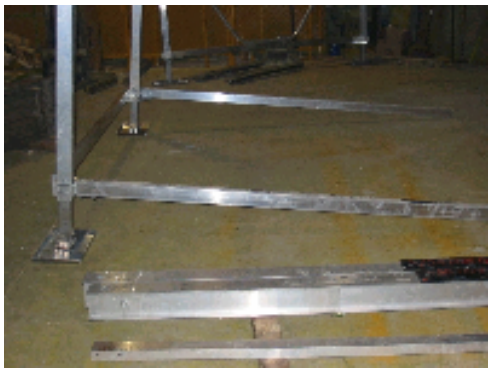
4.) Assemble lower side panel, non winch columns, and upper cable tube next. Similar to step 3



3.) Insert lower side panel tube with over "L" shaped clamp on winch column (has winch holes toward top of column). Repeat on rear winch side column (has 9/16" hole near top). Clamps will be bolted on opposite to one another. See below illustration.



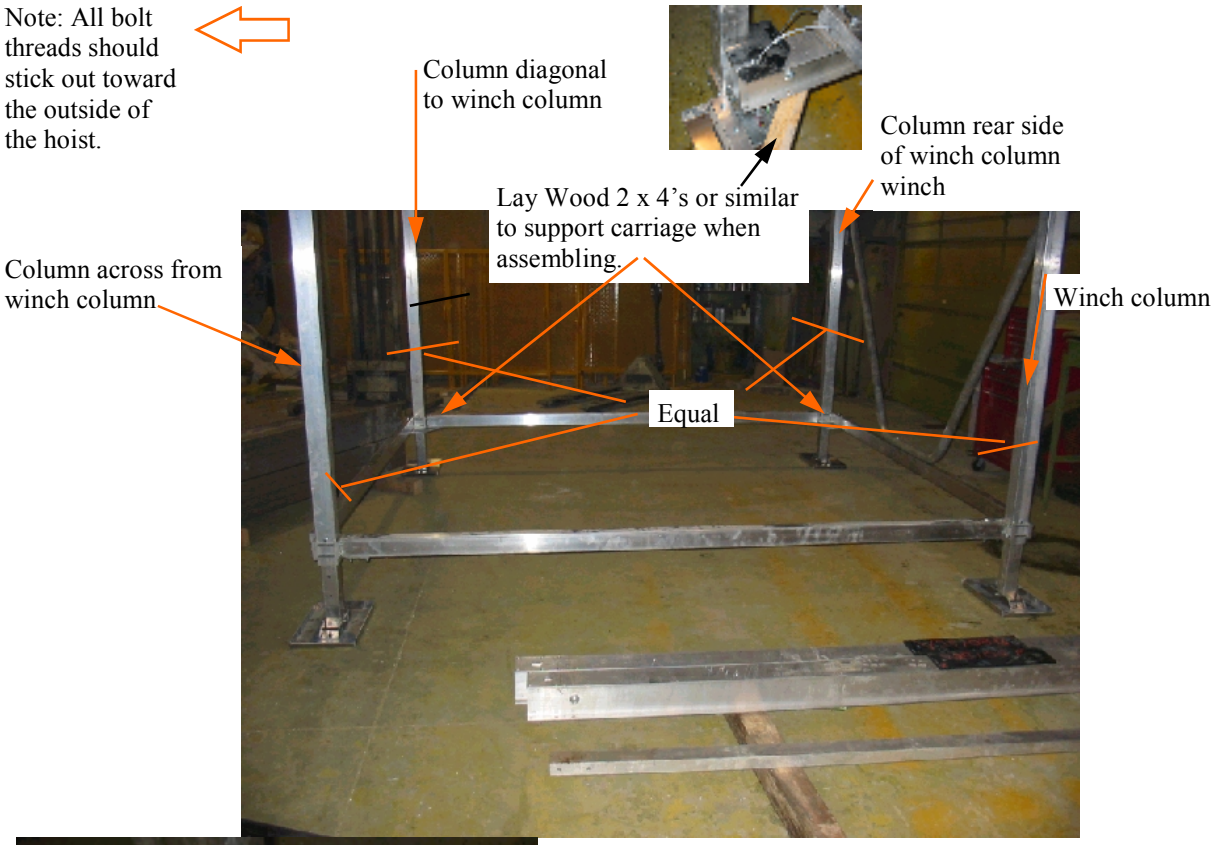
View of column clamp on upper cable tube side.

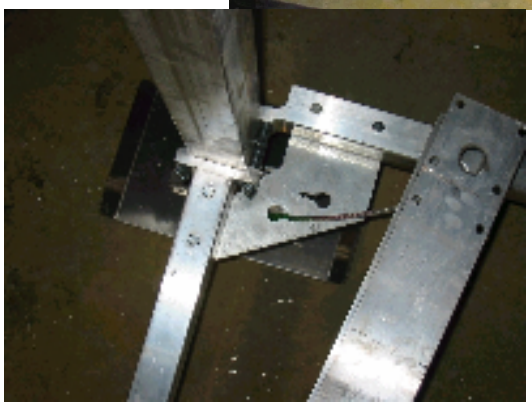


5.) Stand assembled side up and insert spreader tube over tee clamp on column. Repeat on other side assembled.

Suggested frame assembly method shown below.

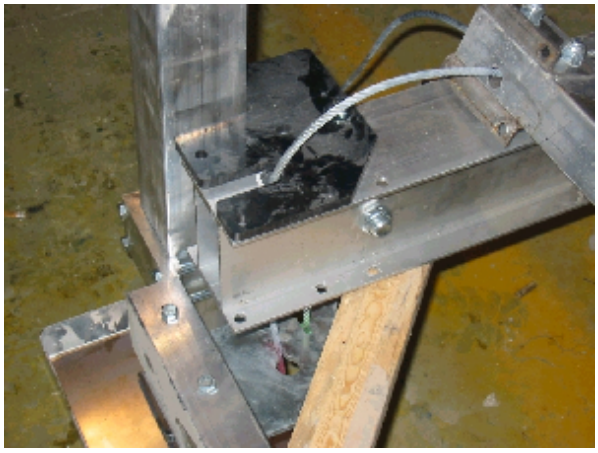
Caution: Cables should not be real tight. Keep loose enough to shake around a little.



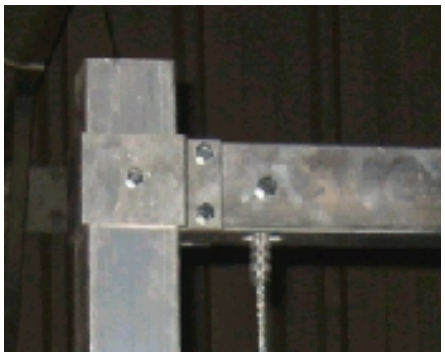


A view of column rear side of winch column. Steel plates shown bolted to bottom of tubes.

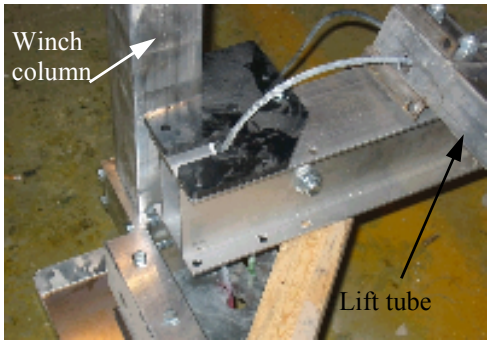
6.) It helps when assembling the frame to keep bolts loose until the aluminum bottom parts and galvanized plates are attached to the lower corners. Square the hoist (tram) from column to opposite column diagonally with equal measurements then tighten.



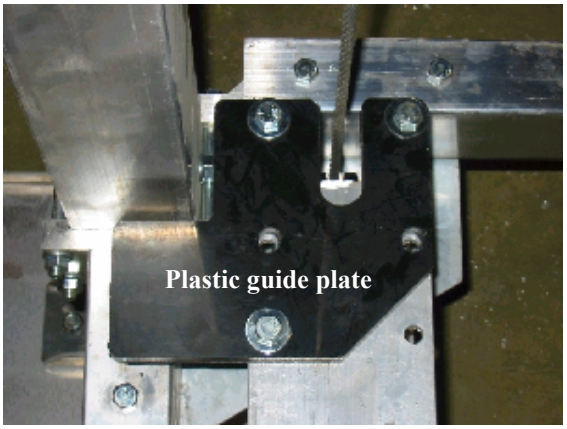
7.) Set some short boards on the corners of the assembled frame to hold the twin beams, cradle tube and lift tube for their assembly.



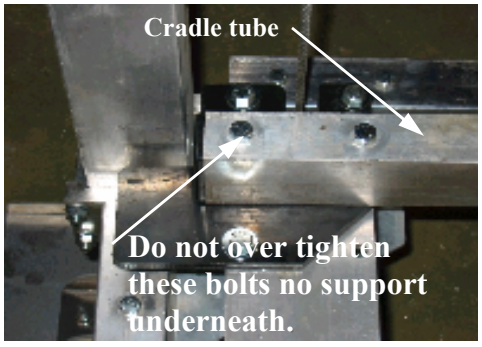
9.) Take the cable loop and put it thru the slot in the bottom of upper cradle tube and put a 7/16” x 2 1/2” bolt thru tube and loop. Typical each end.



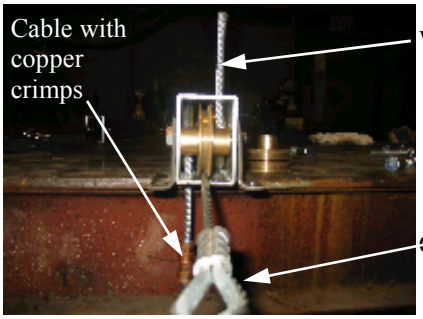
11.) On winch side of hoist lay plastic guide plate on twin beams and set the lift tube on top of it. The end with a loop coming out is the winch end. See picture to the right.



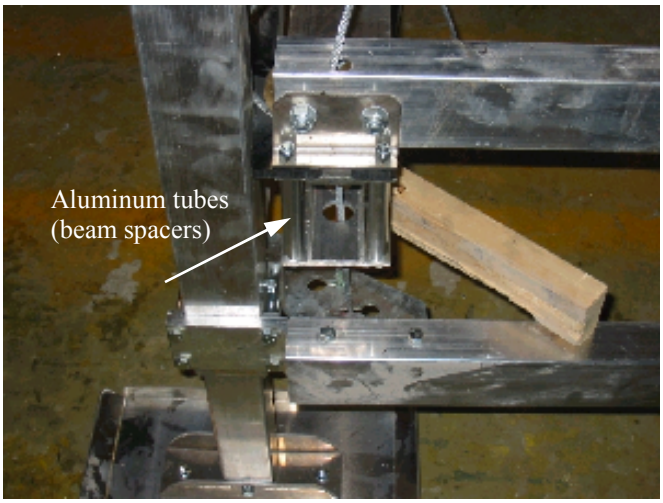
8.) Lay twin beams on the boards (plastic pad on beam facing up) with the cable loop sticking out from beam facing away from the winch side. Set plastic guide plates on the twin beams and line up holes.



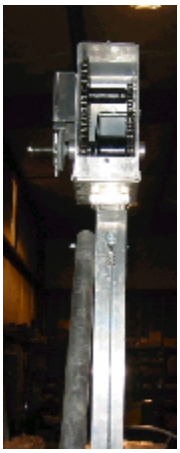
10.) Set the cradle tube on top of the plastic guide plate and leave bolts loose until assembly is complete. Do each end of cradle tube.

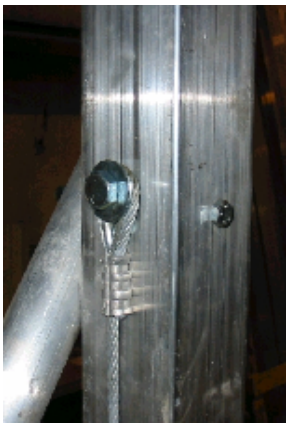


Cable with (2) copper crimps goes into top hole on twin beam and down thru to key hole in bottom metal plate. Loop goes up to bolt in winch column and cable with nothing on it goes into winch.

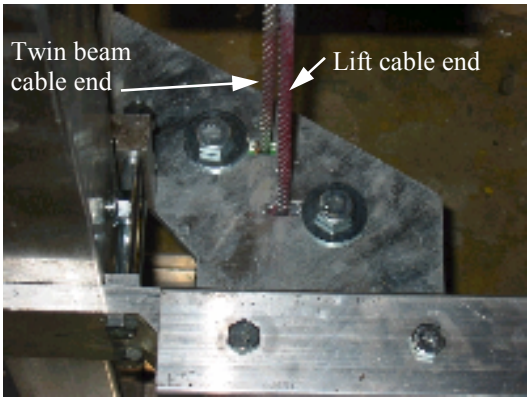


12.) Set lift tube on twin beam and bolt down thru aluminum tubes between flanges on twin beam.

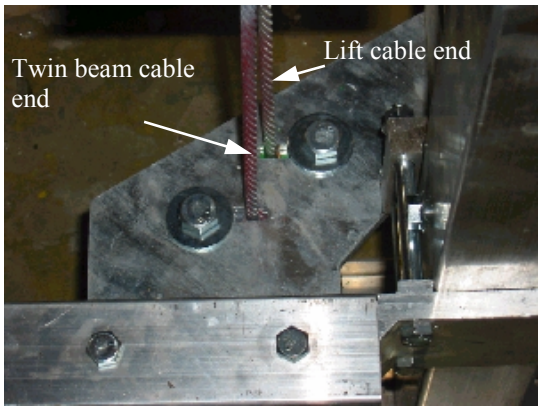




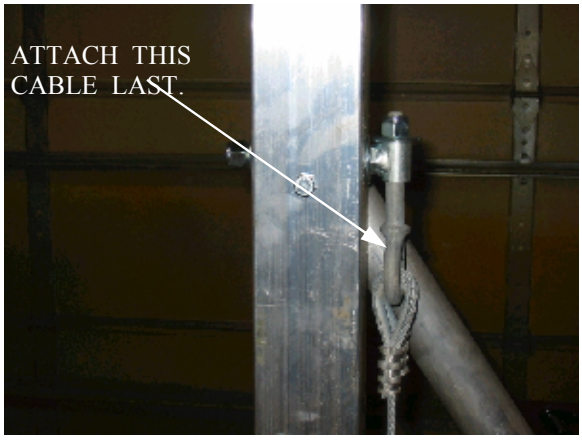
13.) Raise looped cable end and attach to winch column with 1/2" x 4 1/2" bolt, nut and washer.



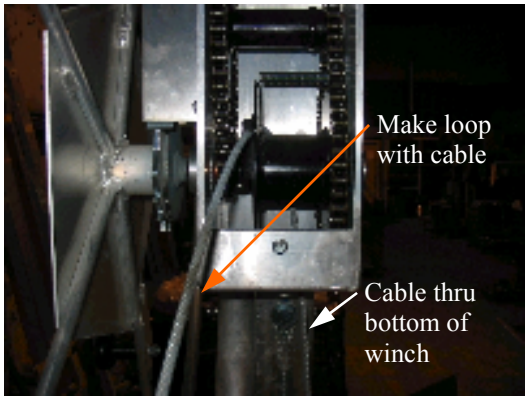
13.) Install cables from twin beam (upper in photo) and lift tube cable. Both cables have (2) copper crimps on the cable bottoms. Put in key hole slots and put 3/8" x 1 1/4" bolt with washer on top side as in photo to prevent cable from moving out.

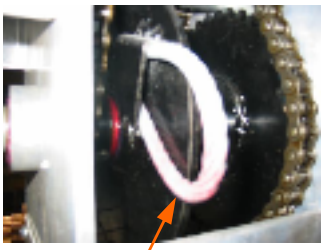


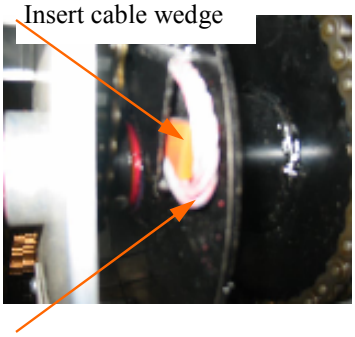
14.) Winch side rear has cables attached similar to winch side but a mirror image of.



15.) Attach on winch rear side a bolt welded to a pipe to column as shown. The stick eye bolt with the cable attached from the lift tube thru pipe and lock nut it on top. THIS MUST BE THE LAST CABLE END ATTACHED OR OTHERS MAY NOT REACH WHERE THEY NEED TO GO.



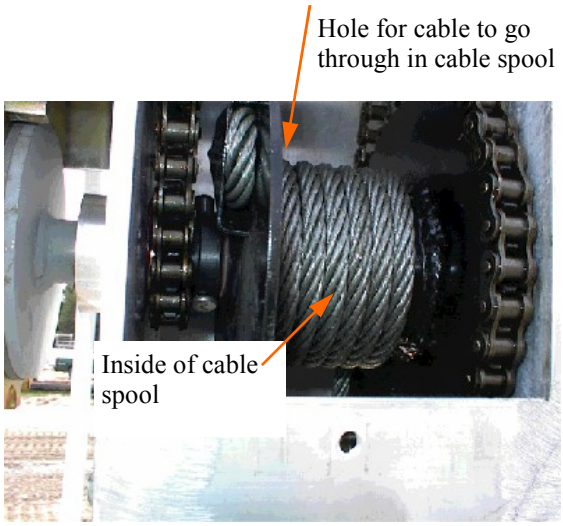


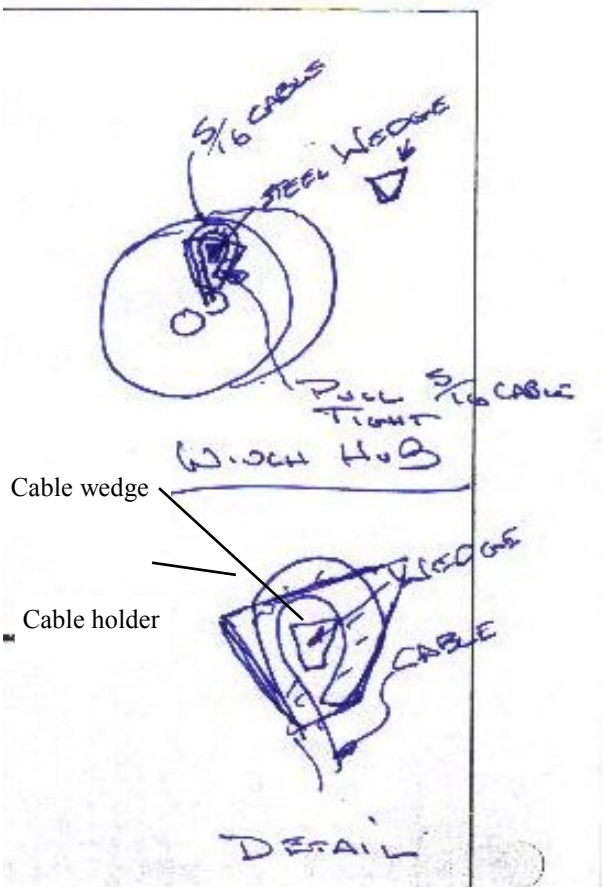


Then pull cable tight through bottom of winch.

Installing winch. Take cover off and bolt to winch column with (2) 3/8" x 4" bolts if not already done. Take bolt and washer off threaded winch stud and screw 48" wheel on clockwise. Replace bolt and washer on winch stud. Take the winch cable end (end without fitting) and thread through the bottom of the winch and through the hole on the inside of the spool. Pull cable out and make a loop then put the end of the cable in the cable holder on the outside of the spool. Place the cable wedge in the loop then pull cable tight and lock wedge in tight within cable loop.

View looking from the front at the side with the winch with cable being pulled thru the cable retainer clip.





SEE NEXT 2 PAGES FOR WINCH USAGE AND TESTING

Safety Precautions!!!

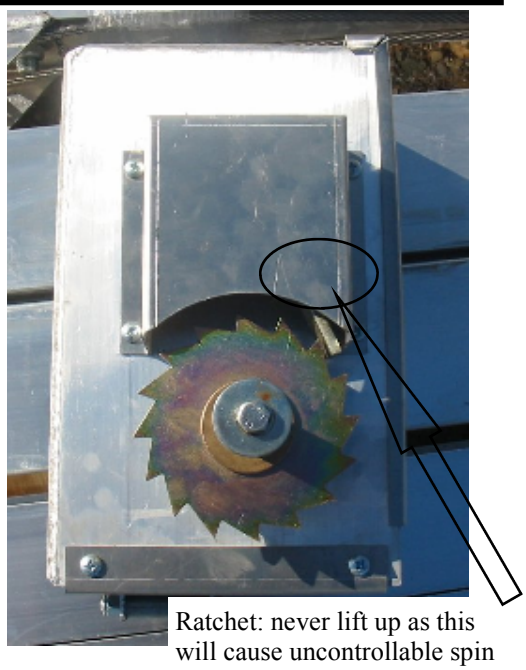
In order to prevent possible injury to both the operator and equipment it is extremely important that the lift wheel is always turned clockwise (clicking of ratchet should be heard) when raising the platform. Close attention should be paid to the decal on wheel raise and lower arrows. (***clockwise raises, counter clockwise lowers***) If cable is unwound counter clockwise and continues to turn counter clockwise the hoist will begin to raise causing winch damage and the **brake will not work .** This could cause injury. Under no circumstances should one raise the platform by turning the wheel counter clockwise. Never flip the ratchet located at the lower left corner of the winch box up or raise counter clockwise, as this will cause uncontrollable spin.

Lower (counter clockwise)

Raise clockwise

Lower

Raise



Ratchet: never lift up as this will cause uncontrollable spin

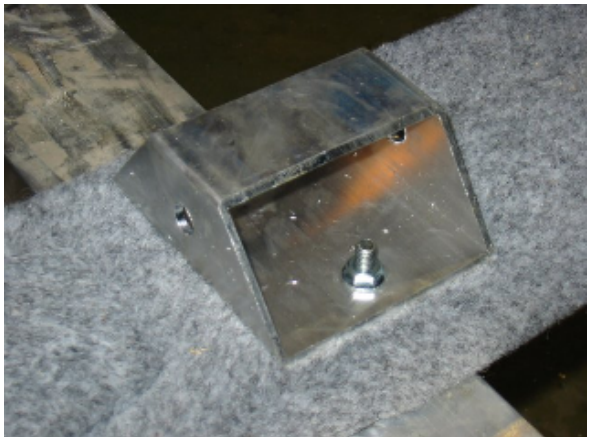
Winch

After the hoist is installation is complete, it is important to next check and see that the winch mechanism is functioning properly. You can do this by raising the empty platform up about a 1/3 of the way up and releasing your grasp on the lift wheel. If the winch is operating properly, clutch brake will automatically hold the platform (sometimes described as carriage). Repeat at higher locations. Next repeat this with your boat on the hoist. If the lift wheel begins to spin down freely from any of these test positions, at no time should you attempt to prevent it from doing so. Such action could result in injury to arms and hands. Instead simply let the platform spin down into the water. Doing so will neither damage your boat or hoist.
If for some reason your winch mechanism does not function as described call you local Craftlander dealer. Do not tamper with winch mechanism.

It is recommended that your Craftlander Hoist be thoroughly inspected at least once a season. Tighten all bolts. Check all pulleys and make sure they are turning freely. Inspect all cables for fraying, wearing or deteriorating. If any signs appear, replace cables. Check frame thoroughly. Grease the winch drive chain. Turn lift wheel off shaft. Remove washer and grease threads on winch—**do not grease clutch plate on winch**. Check for rust on clutch plate then sand and clean off if needed. Install wheel back on lift with retaining bolt and washer and follow the raising instructions in this manual.

This is a typical safety precaution sticker with is applied to our hoists. If yours is not legible be contact your Craftlander dealer for a new one.

Carpeted bunk photos

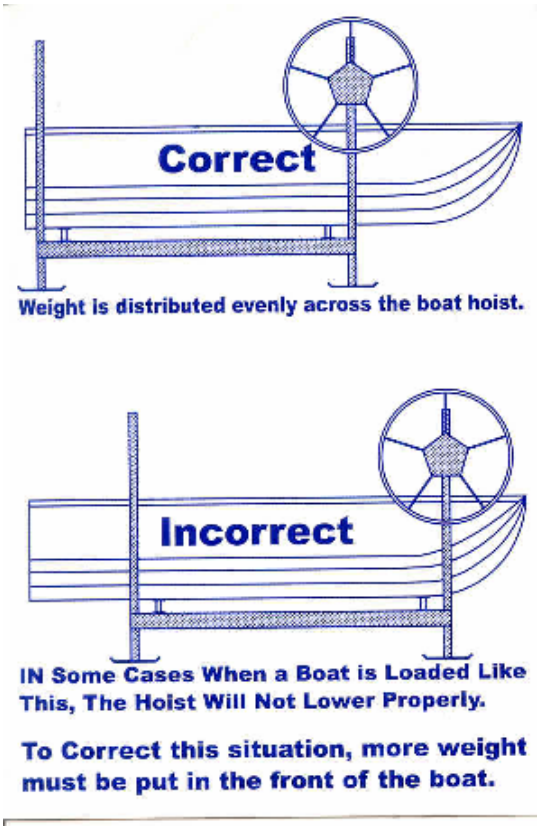


Back side of carpeted bunk with aluminum tube attachment.

Bunks shown assembled on the hoist. Fit and adjust to boat. Boat weight should be loaded 100% on the bunks.

CRAFTLANDER

Hoist loading sticker. On all Vertical hoists.



This is a typical sticker put on our vertical lifts. If a boat is loaded on the hoist with too much weight on one end the lift will not work properly going down. The lift may bind and only one end will go down. If this situation happens, more weight needs to placed on the light end of hoist to relieve pressure on the cables leveling it in that direction. (Do not have people in the boat for weight as injury could result). When the hoist is down remove the weight and reload load the hoist with better weight distribution.

Since 1979

Craftlander Boat Hoists

Your Craftlander Hoist Limited Warranties

During the terms of the Limited Warranties on your aluminum Craftlander hoist, NuCraft Metal Products, Inc. (hereafter referred to as "NuCraft") covers the cost of all parts and labor needed to repair or replace any NuCraft supplied item that proves defective in material, workmanship or factory preparation. These repairs or replacements (parts and labor) will be made by your dealer at no charge using new or remanufactured parts.

Your Legal Rights Under NuCraft's Limited Warranties

All of the NuCraft Limited Warranties stated in this booklet are the only express written warranties made by NuCraft applicable to the aluminum Craftlander hoist. These Limited Warranties give you specific legal rights and you may also have other rights which vary from state to state. You may have some implied warranties, depending on the state in which your aluminum hoist is registered.

For example, you may have:

1. An "implied warranty of fitness for a particular purpose," (that your hoist is reasonably fit for the general purpose for which it was sold);

2. An "implied warranty of fitness for a particular purpose," (that your hoist is suitable for your special purposes; if your special purposes were specifically disclosed to NuCraft itself-not merely to the distributor or dealer-prior to purchase.)

These implied warranties are limited, to the extent allowed by law, to the time period covered by the written warranties set forth in this publication. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

SUBSEQUENT BUYER/OWNER

This Warranty is extended only to the first buyer/owner of the hoist. This is defined as the first legal owner of a NuCraft aluminum Craftlander other than an authorized Distrubutor or Dealer who has bought the hoist from NuCraft for resale to the public.

HOIST ALTERATION

This warranty does not cover alteration of the aluminum Craftlander hoist, or failure of hoist components caused by such alteration.

PRODUCTION CHANGES

NuCraft and its distributors/dealers reserve the right to make changes in aluminum Craftlander hoists built and/or sold by them at any time without incurring any obligation to make the same or similar changes on hoists previously built and/or sold by them.

Your 2-Year Basic Limited Warranty

WHAT IS COVERED:

The 2-Year "Basic Warranty" covers every NuCraft supplied part on your aluminum Craftlander hoist and aluminum canopy support frame.

The “Basic Warranty” begins on your hoist’s Warranty Start Date. The Warranty Start Date is the earlier of (1) the date you take delivery of your new aluminum Craftlander hoist, OR (2) the date the hoist was first put into service (for example, as a dealer “demo” or as a NuCraft company hoist). The “Basic Warranty” lasts for 2 years (24 months) from this date.

The “Basic Warranty” covers the cost of all parts and labor needed to repair any item on your aluminum Craftlander hoist that is defective in material, workmanship or factory preparation. You pay nothing for these repairs.

Your 15-Year Fabricated Frame & Extrusion Warranty

WHAT IS COVERED:

The “Frame and Extrusion Warranty” covers these parts and components of your aluminum Craftlander hoist frame for 15 years counted from your hoist’s Warranty Start Date:

Extruded Aluminum: columns, rails, spreaders, crossmembers, “Twin Beams”, legs, stands, extensions, canopy inserts, bows, rails, and clamps.

Fabricated: hoist wheel, winch, corner brackets, column guide plates, and footpads.

What your NuCraft Limited Warranties Do Not Cover

Vinyl canopy covers are covered by a 5-Year Limited Warranty by the material manufacturer.

Your NuCraft Limited Warranties do not cover the costs of repairing damage caused by environmental factors or acts of God. “Environmental factors” include such things as airborne fallout, chemicals, tree sap, salt, ocean spray, and water hazards. “Acts of God” include such things as hailstorms, windstorms, tornadoes, sandstorms, lightning, floods and earthquakes.

Your NuCraft Limited Warranties do not cover the costs of repairing damage caused by poor or improper maintenance.

Your NuCraft Limited Warranties do not cover the costs of normal/scheduled maintenance of your aluminum Craftlander hoist. They do not cover the cost of lubrication, replacing cables or fasteners unless done as the result of repair covered by your 2-year “Basic Warranty”.

Your NuCraft Limited Warranties do not cover the costs of repairing damage or conditions caused by fire or accident; by abuse or negligence; by misuse: by tampering with parts; by improper adjustment or alteration; or by any changes made to your aluminum Craftlander hoist; the cost of rental hoist or slip; gasoline, telephone, travel or lodging; the loss of personal or commercial property; the loss of revenue, etc. NOTE: Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

How To Get Warranty Service for Your Hoist

Please contact the dealer from whom you bought the hoist for warranty service. When contacting your dealer, please provide them with your hoist’s model number, hoist serial number, date of purchase and the nature of the problem. If contact with the dealer is not feasible, please contact NuCraft Metal Products for further assistance.

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By
NuCraft Metal Products
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Roscommon, MI 48653