12PWC Cantilever Personal Watercraft Lift.

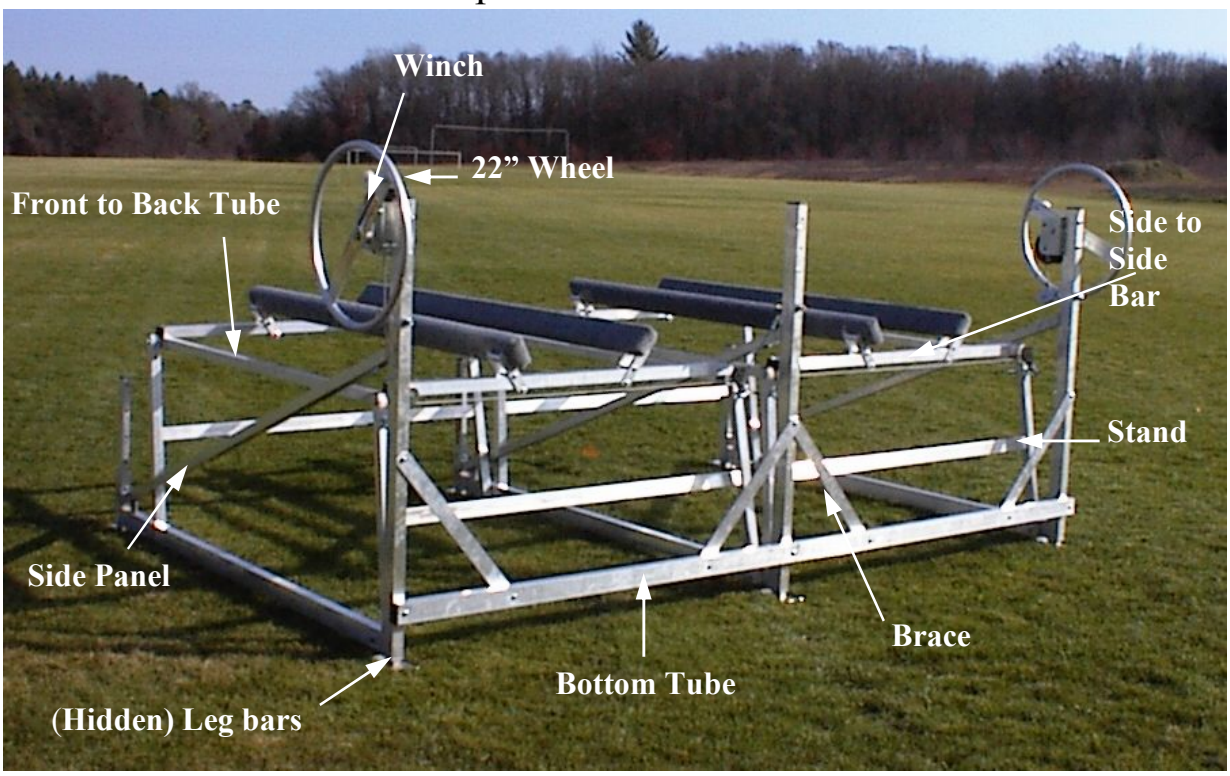
Manual, Safety Information, Assembly Instructions, & Drawing

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

Rev: 2/04/08

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

Frame parts as labeled below.

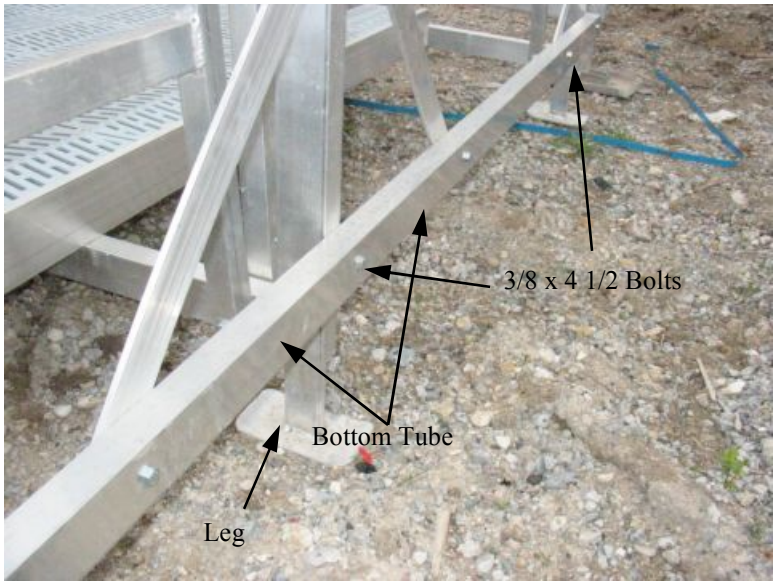


*Steps are listed as below. Steps may vary because there are various ways of putting this hoist together. This is just 2 hoists put together (conjoined), so what you do to one side you’ll most always do it to the other side.

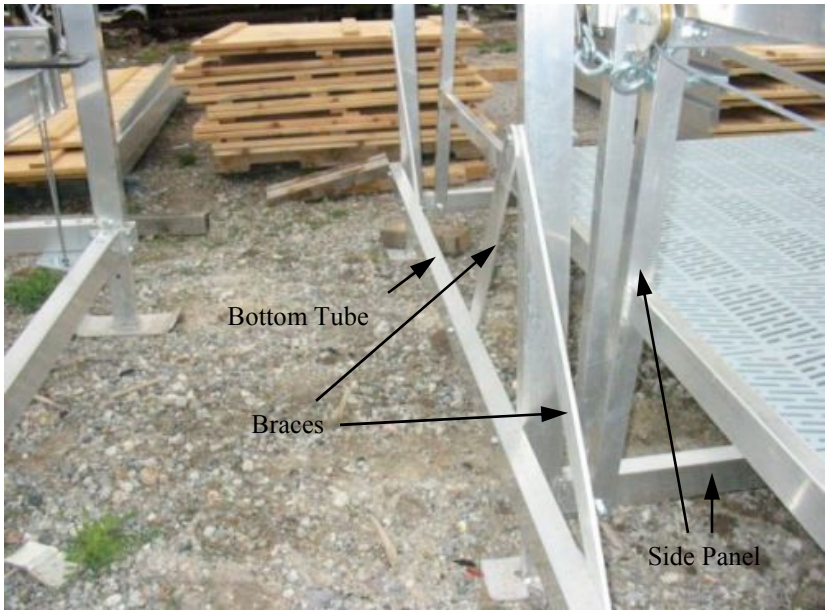
Steps

1. Take the side panels and lay them down. Then put the leg bars in the end where the triangle points. As pictured above. Use a 3/8 x 3” bolt to go through the two and use a whiz nut. In between the foot and the side panel there should be about 1” of room

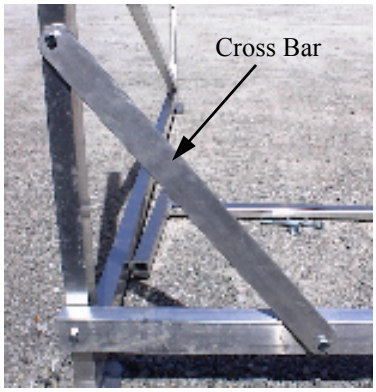
2. Then stand the side panels up. Put the other leg bars in the opposite side of the Side Panels. Take the bottom tube and put it against the Side Panel.



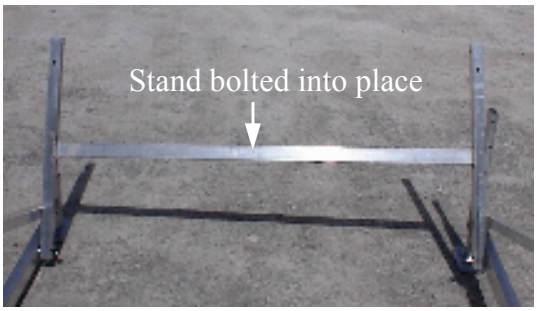
Then bolt all three together (Side Panel, Leg, Bottom Tube) on all 3 Side Panels using 3/8 x 4 1/2” bolts. As pictured above (side panel not in view).



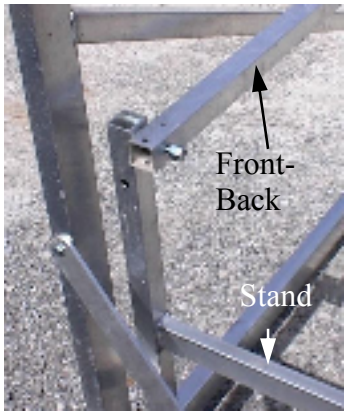
Once done, if done right, it should look like this from the side. Make sure the bolts are secure, but are not tight yet.



3. Bolt braces to bottom tube and side panel. Use 3/8 x 2 1/2" bolts on the bottom tube and use 3/8 x 3 1/2" bolts on the side panel.



4. Attach stand to side panel in front and in the back. Use 1/2 x 4" bolts 1/2" washers(put washer between Side Panel and Stand), and use 1/2" locknuts. This is a tricky step because you can not tighten the bolts too much or the stands won't rotate. Also, the stands are **wider at the bottom than at the top** so make sure you have them going the right way.



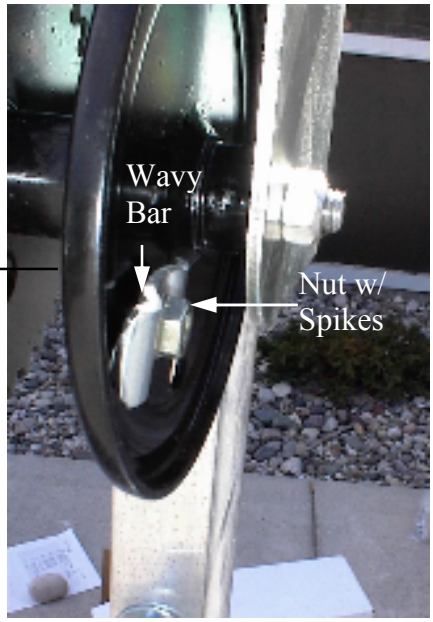
5. Lift the rear stand up and attach the front to back tube to it. After attaching them to the rear, attach them to the front. Use 1/2 x 4" bolts and 1/2" washers. The washer will go between the Side Panel and the Stand. Picture shown of front stand.

6. Now attach side to side tubes to front to back tubes with 5/16 x 3 1/2" bolts.

7. Bolt the pulleys onto the hoist. See parts list and assembly directions as to where the pulleys go.

Step 8 is a very long step.

8.Step one: Bolt on the winch box with 3/8 x 3 1/2" bolts to the left front part of the side panel. See assembly drawing for more details. Then, like the picture shows, take the carriage bolt and put it through the square hole in the winch. Loosely put on the cable clamp and the nut with the spikes. Then do the same to the right side (in the winch box).

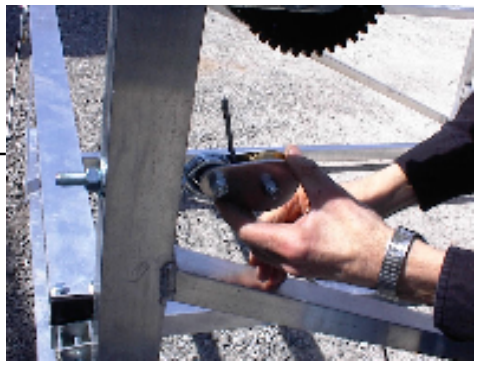


8. Step two: Take the Eye Bolt with the two cables attached and put the eye bolt through the middle Side Panel of the hoist.

8. Step three: Take one cable and run it through all of the pulleys on the left on the way to the winch box.

8. Step four: Take the other cable and run it to the right through all the pulleys on the way to the other winch box.

8. Step five: Pull the cable up through the pulley just below the winch. Do this on both sides.



8. Step six: Take the cable and put it through the circular hole beneath the square hole you used in step one in **8**. Once again, do this on both sides.

8. Step seven: Stick the loose end of the cable through the far groove on the Cable Clamp . This part is difficult because you have to wedge it in there, and unfortunately you have to do it twice

8. Step eight: Put the other part of the cable through the groove closest to you on the wavy bar. Your going to have to wedge it in there. Pull the cable so it makes a small loop, and tighten the spiky nut. I think you know what I'm going to say: "do it to the other side," you got it.

8. Step nine: Now thread the 22" wheel on the winch clockwise until it engages the brake pad. You should hear a clicking noise. Now grab the cable with a gloved hand and turn the wheel in the up (clockwise) direction. Guide the cable across the cable drum making sure one strand doesn't overlap another. When you have reached the other side of the cable drum the cable will start winding itself back to the opposite side. Continue to guide the cable until all excess cable has been wound up in the winch. The cable should now be tight at the pulleys. Do it to both sides.

8. Step ten: Take 5/16 x 1 1/4 bolt, the Fender Washer, and the spacer (in the Winch box) and thread the bolt into the wheel. You'll need to use a wrench to help screw it in. YOU WILL NEVER USE THE SPRING THAT COMES IN THE WINCH BOX. I think you should know by now to do it to both sides

8. Step eleven: Screw in the knobs onto the wheels. Put the 3/8 x 2 1/2" bolt through the Knob. Then spin a 3/8" whiz nut on the bolt so serrated portion is facing away from the Knob. Leave a small gap from the Knob. Put what is left of the bolt through the hole in the wheel plate. Use a 9/10" socket to hold the bolt head and tight a nut on the bolt. This is a jamming effect where the Knob should spin freely.

Your hands should look some what like this when you are done with this never ending step.

9. Attach bunks to the side to side bars on the hoist. See the instructions inside the bunk bolt bag. X on the drawing = side to side bars. Above are the bars bolted onto the side to side beam. These you will put together. Watch out because the holes on the flat bars are spaced accordingly. Picture above

10. Put the caps on the top of the stands (1 1/2 sq."), on the ends of the bottom bar, on the top of the side panel (1 1/2 x 2 1/2"), and on the rear 3 legs (1 x 2"). Often times they are hard to get in, you may need to use a hammer.

11. Tighten all the bolts. Make them secure, but don't make them strip or bend the aluminum.

Your hoist should look like this when you're done.

Please read the following. Thank You.

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 continue to turn counter clockwise hoist will begin to raise causing winch damage and **brake will not work** which could cause injury. Under no circumstances should one raise the platform by turning the wheel counter clockwise.

Sticker on wheel

Lower (counter clockwise)

Raise clockwise

Lower

Raise

Column sticker

These stickers are similar to ones on the hoist wheel and column. Wheel brake works when cranking in the up direction only.

Stickers say:

Failure to follow below instructions will result in **uncontrolled spin down** and possible **personal injury** and or hoist damage.

Lift wheel must be turned clockwise for lifting. Do not raise hoist by turning wheel counter clockwise/down direction.

Possible personal injury and or hoist damage may result.

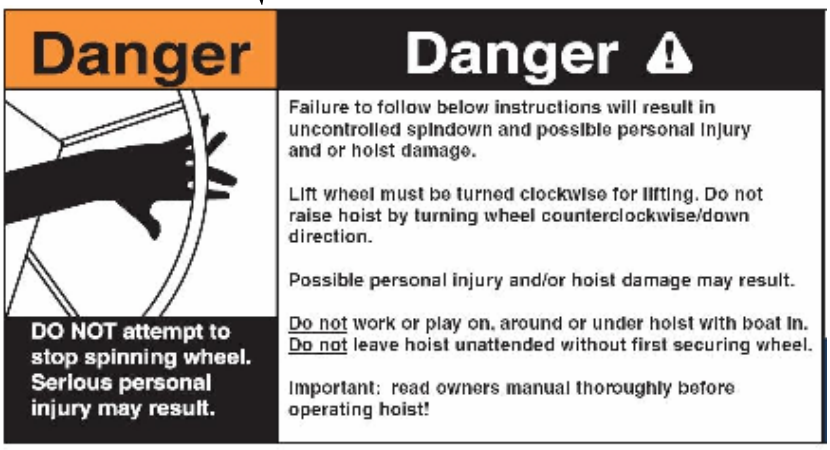
DO NOT work or play around or under hoist with boat in.

Do NOT leave hoist unattended without first securing wheel.

DO NOT reach through hoist wheel serious personal injury may result.

DO NOT attempt to stop spinning wheel. Serious injury may

Wheel sticker



Blow up of left hand side of sticker.

Follow instructions on the stickers on the hoist and manual. Do not disregard.

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 (described as carriage sometimes). 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 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**. Install wheel back on lift with retaining bolt and washer and follow the raising instructions in this manual. The Winch manual is in the Winch box.

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

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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