

SHOWN WITH OPTIONAL
CRANK WHEEL & FRONT LEGS



PERSONAL WATERCRAFT LIFT ASSEMBLY MANUAL

Models: **C1460 Single & C1460DC Dual**



DAKA Corporation

955 Industrial St. N.E. • Pine City, Minnesota 55063

Phone: 320-629-6737 • Fax 320-629-3677

www.dakadock.com



FIG. 1

ASSEMBLY TIPS

Review the parts identified in FIG. 1 before proceeding with the assembly instructions.

A good understanding of part names and shapes will greatly speed the assembly process.

Note the “X” in FIG. 1 at the lake end of the lift. If a left or right direction is given in the instructions, it is given from this position, as if you were driving onto the lift.

Also note the terms “**Lake End**” and “**Shore End**” (See FIG.1). These two terms will also be used as directional tools. When the assembled lift is placed in the water, the shore end of the lift will be closest to the shoreline.

EXAMPLE OF USING LEFT/RIGHT AND SHORE END/LAKE END IN ASSEMBLY STEPS.

During the side frame assembly step, take a minute before completing the step and make sure that you are positioning your parts correctly as to shore end/lake end. Also look at the photo for positions of weldments and brackets for positioning as to left/right. Note their shape in relationship to lake end vs. shore end. Once you understand the correct position of the part, then proceed to assemble it.

In summary, **take a minute before and after each step and view the position of parts as shown in photos compared to your assembly. This will eliminate mistakes and greatly speed up your assembly process.**

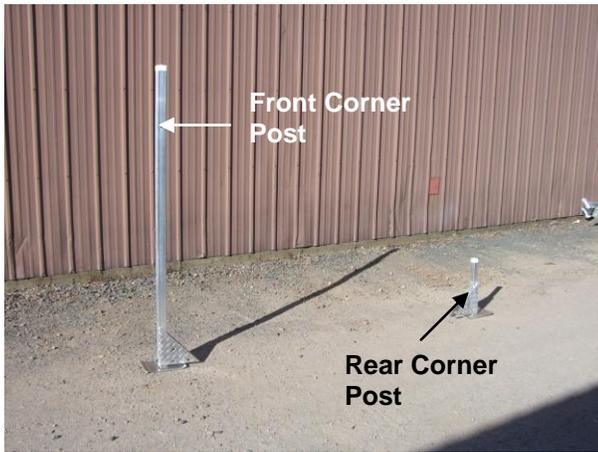


FIG. 2

UNPACK ITEMS

Locate a level surface and unpack items. Review part identification in FIG. 1 on preceding page. Do not proceed with assembly until you have a good understanding of part identification.

STEP 1 - Side Frame Assembly

Locate one front corner post and rear corner post (FIG. 2). Position corner post assemblies on floor as shown in FIG. 2. Next locate side frame bottom tube and side frame diagonal tube (FIG. 3). Connect side frame bottom tube to front corner post and rear corner post using 3/8" carriage bolts (FIG. 4 & 5). **Note: Do not tighten down bolts at this time. Also, make sure to run carriage bolts so that nut is to the inside of lift.** Next, bolt side frame diagonal tube to rear corner post using 3/8" carriage bolts (FIG. 5). **Note: There are 2 side frame diagonal tubes. One has a large slotted hole for winch cable to pass through. This diagonal tube needs to be located on side frame that winch is to be installed on.** Using 2 connector plates at the top of each diagonal tube and two 3/8" carriage bolts and one 3/8" hex bolt attach top of diagonal tube to front post (FIG. 6). Repeat the above processes for second side frame assembly.

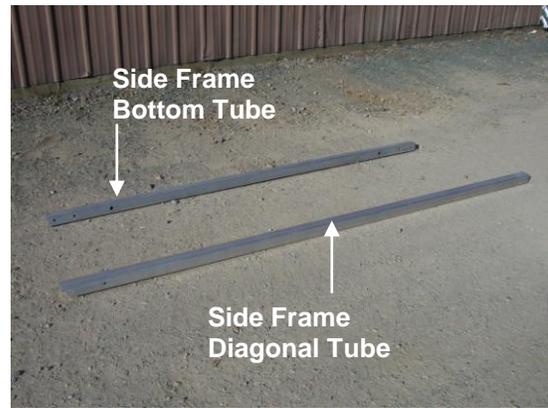


FIG. 3

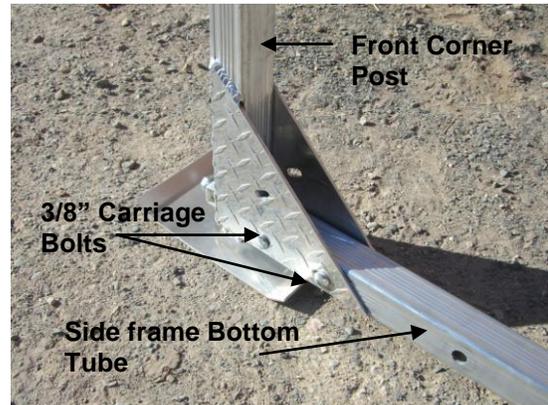


FIG. 4

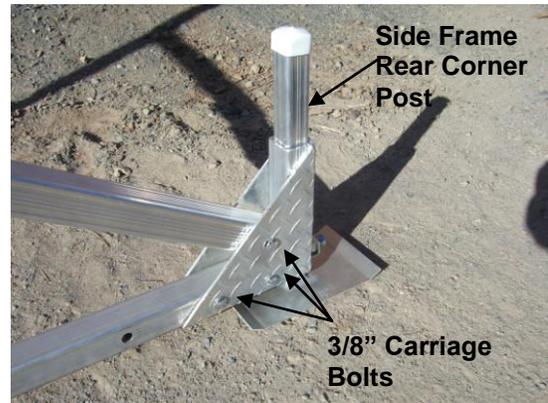


FIG. 5

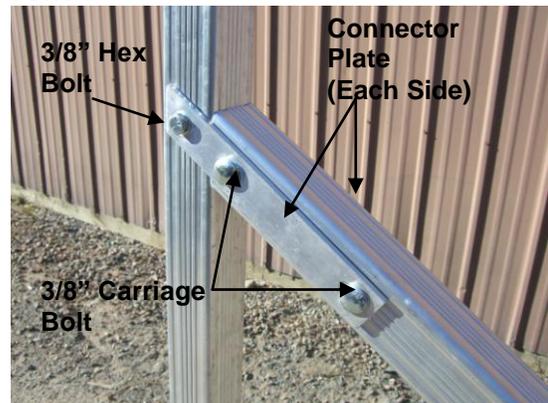


FIG. 6

STEP 2 - ATTACH FRONT SIDE FRAME CONNECTOR TUBE

Locate the three connector tubes (FIG. 7). Notice that the side frame connector tube is 6 inches longer than the other two pivot arm connector tubes. Use the longer side frame connector tube in the next step.

Locate the longer side frame connector tube and attach it to the front of the two side frames using four 3/8" carriage bolts (2 per side) and four 3/8" flange nuts (FIG. 8). Firmly tighten all bolts.

STEP 3 - PIVOT ARM ASSEMBLY

Connect pivot arms together with pivot arm connector tubes (FIG. 9). Repeat this step to form 2 pivot arm assemblies (FIG. 10).

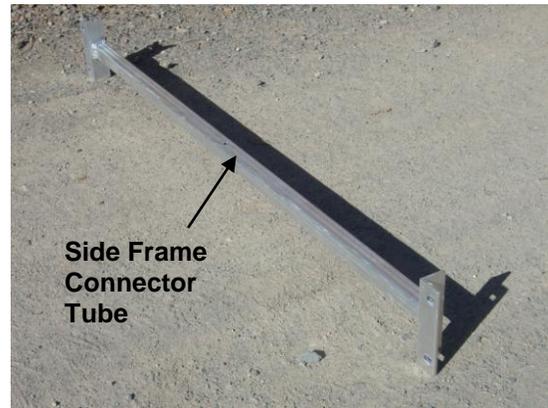


FIG. 7

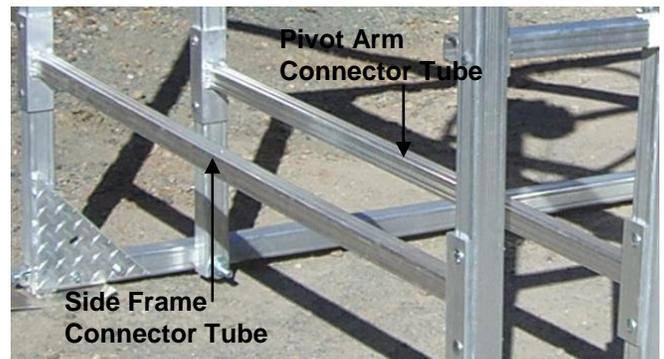


FIG. 8

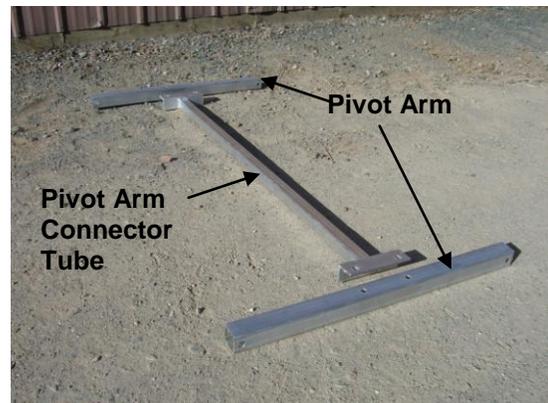


FIG. 9

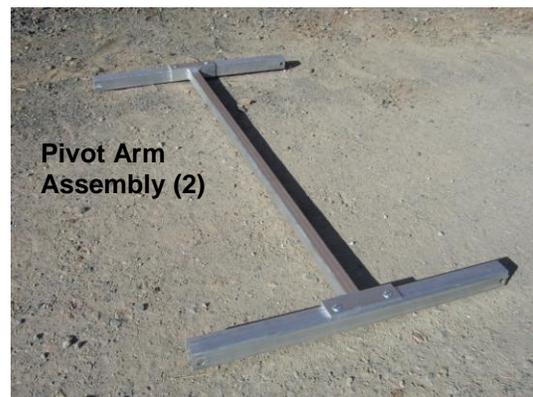


FIG. 10

STEP 4 - ATTACH PIVOT ARMS

Attach pivot arm assemblies to side frames using the 5/8" bolts, 5/8" washers and 5/8" lock nut (FIG. 11 & 12). Make sure to insert nylon bushing in between side tubes and the pivot arms. Firmly tighten, but do not over tighten. The pivot arms should be able to swing freely yet have no side-to-side play.

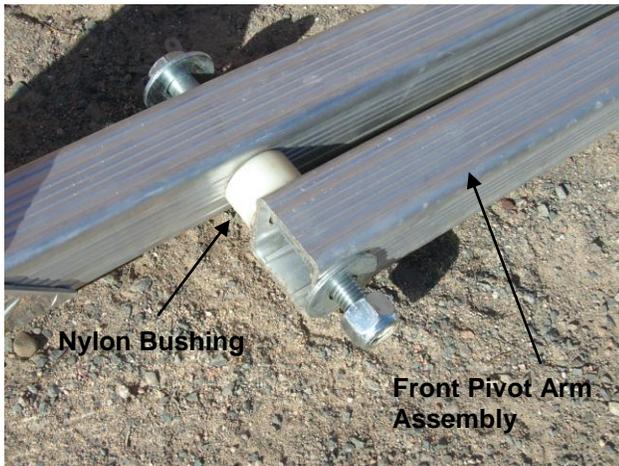


FIG. 11

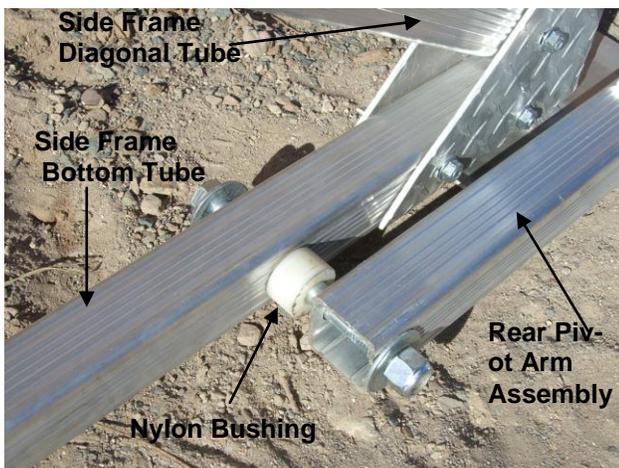


FIG. 12

NOTE: DUAL CARRIAGE/DOUBLE PWC LIFT ONLY

Attach pivot arms as shown in FIG. 11A & 12A. Use 5/8" x 9" long bolts to attach front and rear pivot arm assemblies.

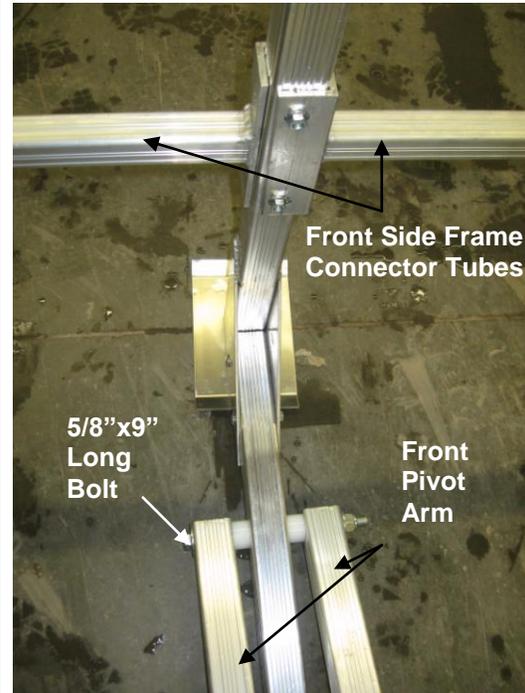


FIG. 11A
Dual Carriage/Double PWC Lift Only

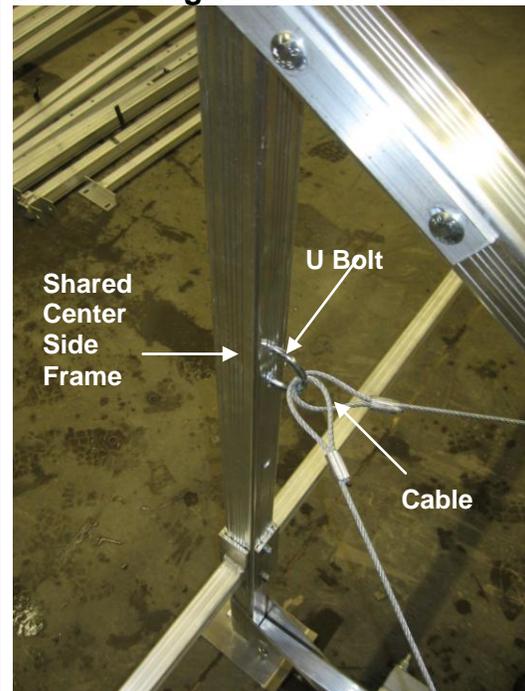


FIG. 12A
Dual Carriage/Double PWC Lift Only

STEP 5 - ATTACH PULLEYS TO FRONT CARRIAGE CROSS BEAMS

Locate the front carriage cross beam (FIG. 13). Before attaching front carriage cross tube onto the front pivot arms, attach pulley assemblies. Using 2 U bolts and 4 nylock nuts attach 2 pulley blocks to front carriage cross beams (FIG. 15 & 16).



FIG. 13



FIG. 14

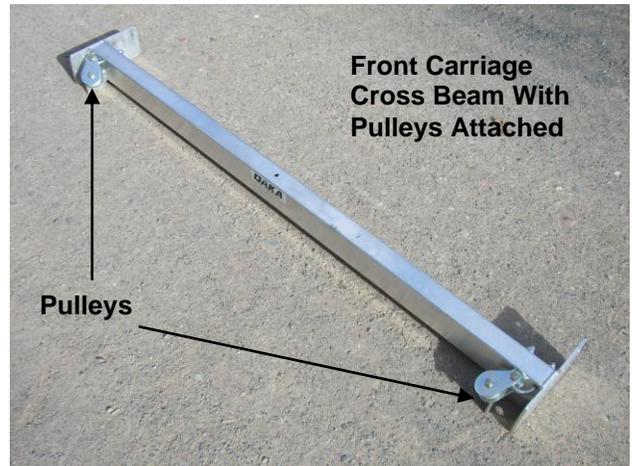


FIG. 15

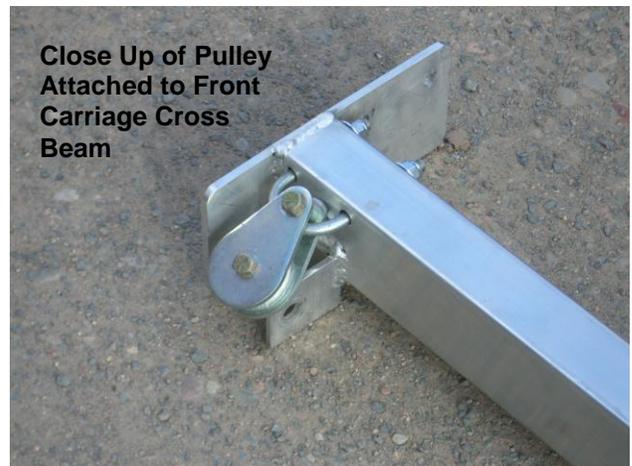


FIG. 16

STEP 6 - ATTACH FRONT CARRIAGE CROSS BEAM

Using two 1/2" bolts and two 1/2" nylock nuts, attach front carriage cross beam with pulley assemblies attached to front pivot arm assembly (FIG. 17).

STEP 7 - ATTACH REAR CARRIAGE CROSS BEAM

Using two 1/2" bolts and two 1/2" nylock nuts attach rear carriage cross beam to rear pivot arm assemblies (FIG. 18)

NOTE: Firmly tighten but do not over tighten pivot bolts. The pivot arms should be able to swing freely

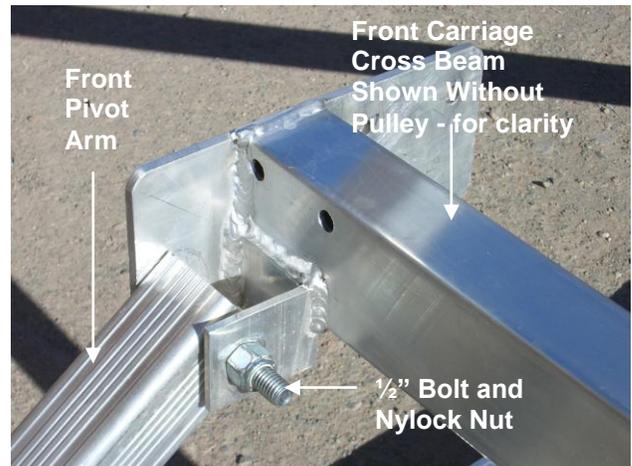


FIG.17

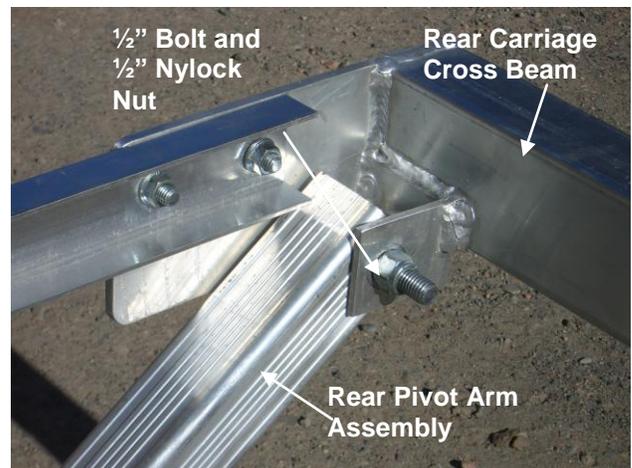


FIG. 18

STEP 8 - ATTACH CARRIAGE SIDE CHANNELS TO FRONT AND REAR CROSS BEAMS

Using four 3/8" hex bolts, attach side channels to carriage cross beams (FIG. 18 & 19). Repeat on other side.

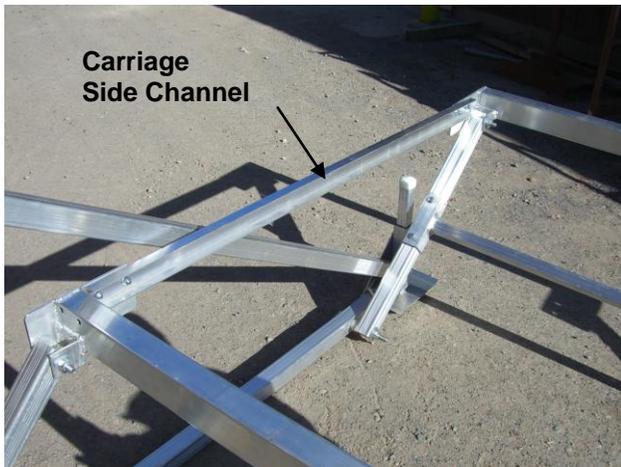


FIG. 19

STEP 9 - INSTALL WINCH

Mount the winch to the shore end corner post using two 3/8" bolts and 3/8" nuts (FIG. 20).

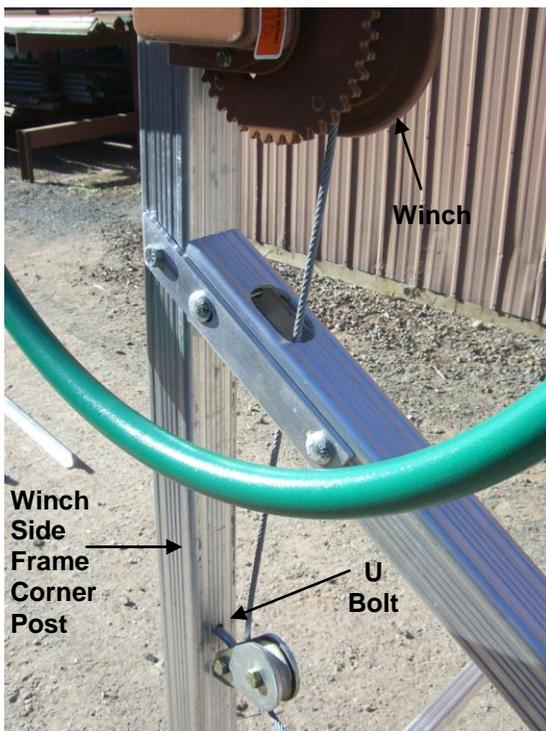


FIG. 20

STEP 10 - INSTALL CABLE PULLEYS

Mount a pulley and U-bolt to the corner winch post just below the side frame diagonal tube (FIG. 20 & 21.) Install a U-bolt through the pre made loop on one end of cable. Using two 3/8" nylock nuts and washers attach that U-bolt to side frame corner post (FIG. 22).

Thread the cable back through the pulleys to the winch corner post (FIG. 21). Attach cable to winch hub using cable retainer provided. See directions on back of cable retainer packaging.



FIG. 21

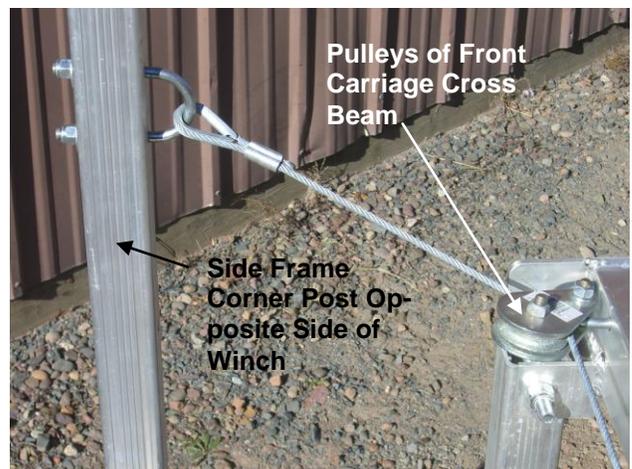


FIG. 22

STEP 11 - INSTALL CRANK WHEEL

Install 26" diameter crank wheel onto threaded winch shaft. Rotate clockwise until all cable slack has been taken up on winch spool. Install 1/4" Flat washer, 1/4" bushing and spring onto 1/4" hex bolt. Screw bolt into hole end of threaded shaft. Complete tightening hex bolt. Rotate winch handle until all cable slack has been removed.

STEP 12 - STOP ARM ASSEMBLY

Attach stop arm assembly to winch corner post using one 3/8" bolt (FIG. 22).

STEP 13 - INSTALL BUNKS

Install bunks as shown in instruction manual supplied with bunk hardware.

NOTE: With lift fully assembled, recheck all bolts for tightness and inspect lift for smooth operation.

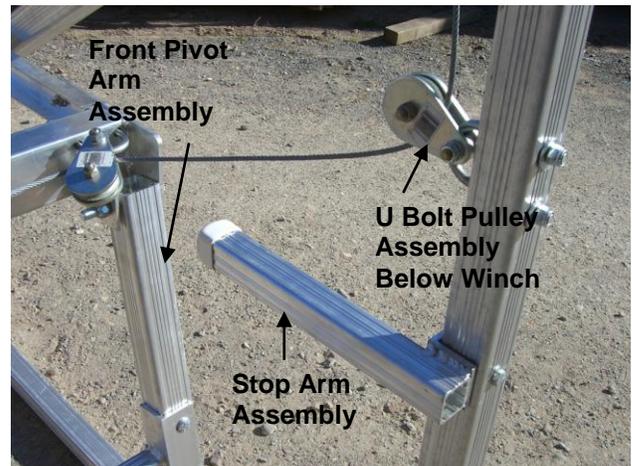


FIG. 22

 **Caution:**

Do Not Exceed Maximum Lifting Capacity of 1400 pounds!!

 **Caution:**

Do Not Sit On Watercraft When In Raised Position!!!
Lower & Raise Lift Before Sitting On Watercraft!!!

 **Caution:**

Do Not Let Children Play On Or Around Lift!!

 **Caution:**

This product is not a toy. It is capable of lifting very heavy objects.
The lift should be respected as power equipment.
High forces are created when using a lift, creating potential safety hazards.
Never allow children or anyone who is not familiar with the operation of the lift to use it.

 **Caution:**

Not for moving of humans. This product is not a hoist. Never use in application where persons could be positioned on or under the load.

 **Caution:**

Keep the lift area free of all persons. Never stand between load and lift.

 **Caution:**

Keep hands and fingers clear of all moving parts.
(i.e. winch, crank wheel, cables)

Boat lift should be placed in a minimum of 18" of water at lake end of the lift.

- Maintenance -

Before installing lift in the spring and after removing lift in the fall, lightly oil cables and pulleys. Check all cables and bolts for deterioration. Replace if necessary.



LIMITED WARRANTY

DAKA Corporation warrants its boat docks and boat lift components purchased new by the original owner to be free of defects in material or workmanship, from the date of sale for the periods of time set forth below:

New DAKA built aluminum boat docks and lifts carry a 15 year conditional warranty on all aluminum and aluminum welds, and a 5 year pro-rated warranty on canopy tops, excluding fading.

New DAKA built steel boat docks carry a 10 year conditional warranty on steel and steel welds. There is no warranty on paint and/or finish.

DAKA Corporation further warrants all other parts, excluding wood, used on DAKA built lifts, boat docks and accessories, purchased new by original owner, to be free from defects in the material and workmanship under normal use for a period of 24 months from the date of purchase (excluding components and options which carry their own manufacturer's warranty, wherein that warranty will apply). Excluded from this warranty are all paint and/or finishes, and wood decking. There is no other express warranty. DAKA Corporation is not liable for incidental or consequential damages or injuries of any kind due to installation, removal, use, misuse, snow or ice, electrolysis, severe weather, acts of God, misapplication, or improper selection of one of our purchased or displayed products. DAKA agrees to repair or replace only defective parts returned to the factory (prepaid) and deemed defective by DAKA. Warranty is void when misuse or neglect is the cause. Specifications are subject to change without notice.

DAKA is not responsible for removal, dismantling or reinstallation cost. This warranty is void if the boat lift or dock is used in other than normal residential service, or installed in salt water. *For commercial boat dock and lift warranty, see Commercial Warranty.*

For services under this warranty, contact selling dealer or DAKA Corporation, Customer Services Department, 955 Industrial Street, N.E., Pine City, Minnesota 55063; Telephone (320) 629-6737.

Implied warranties including that of merchantability are expressly limited in duration of this warranty. DAKA Corporation disclaims any liability for incidental or improper selection, removal, use, misuse, misapplication, neglect or improper selection of our product. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages so this limitation and exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This is our exclusive written warranty.

Effective 09/03

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