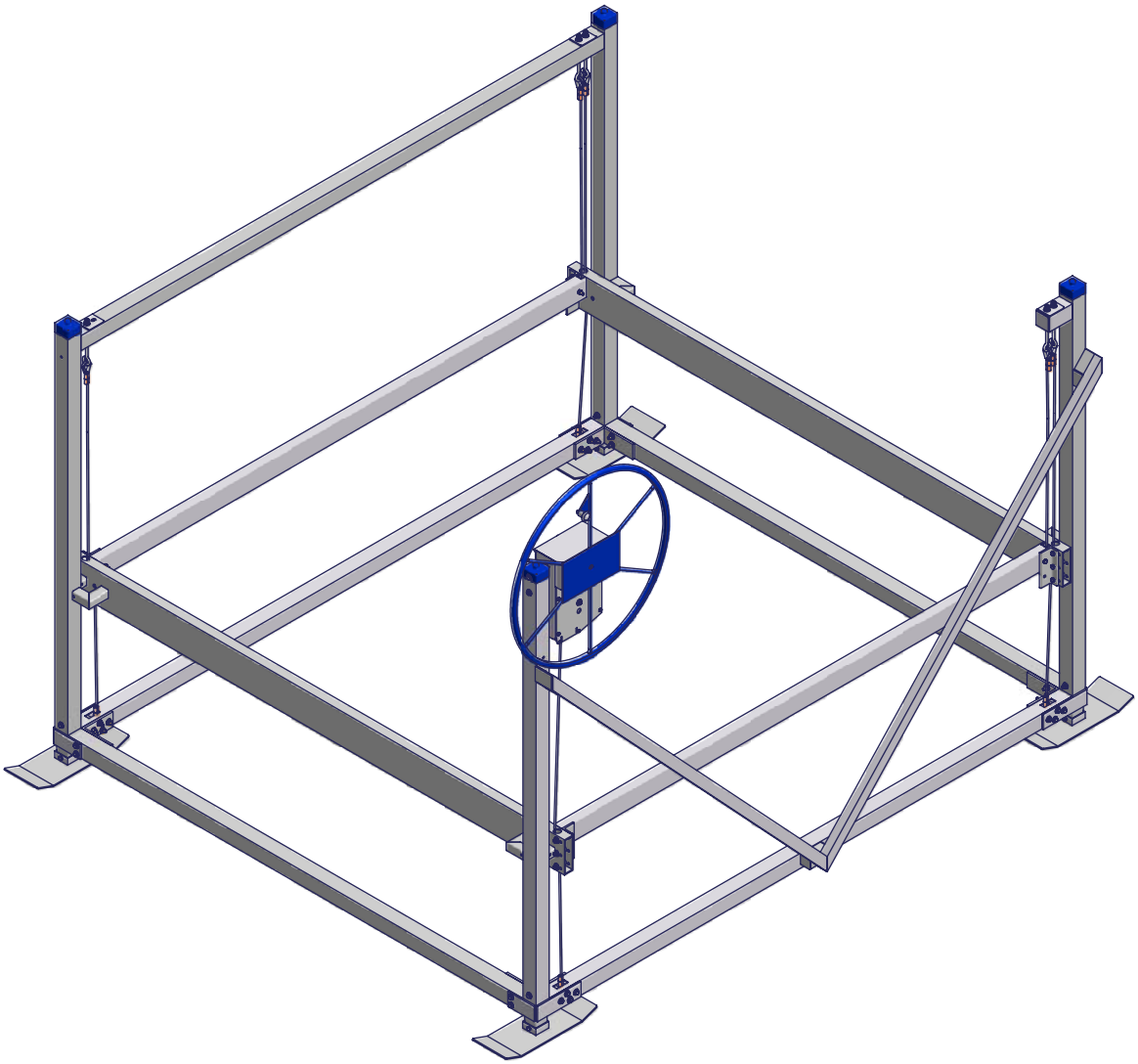
www.shoremaster.com

701068 Vertical Lift:

Frame Assembly Instructions.

Model: 701068 - 10ft Wide
7000lb Capacity - Part #: 1007101



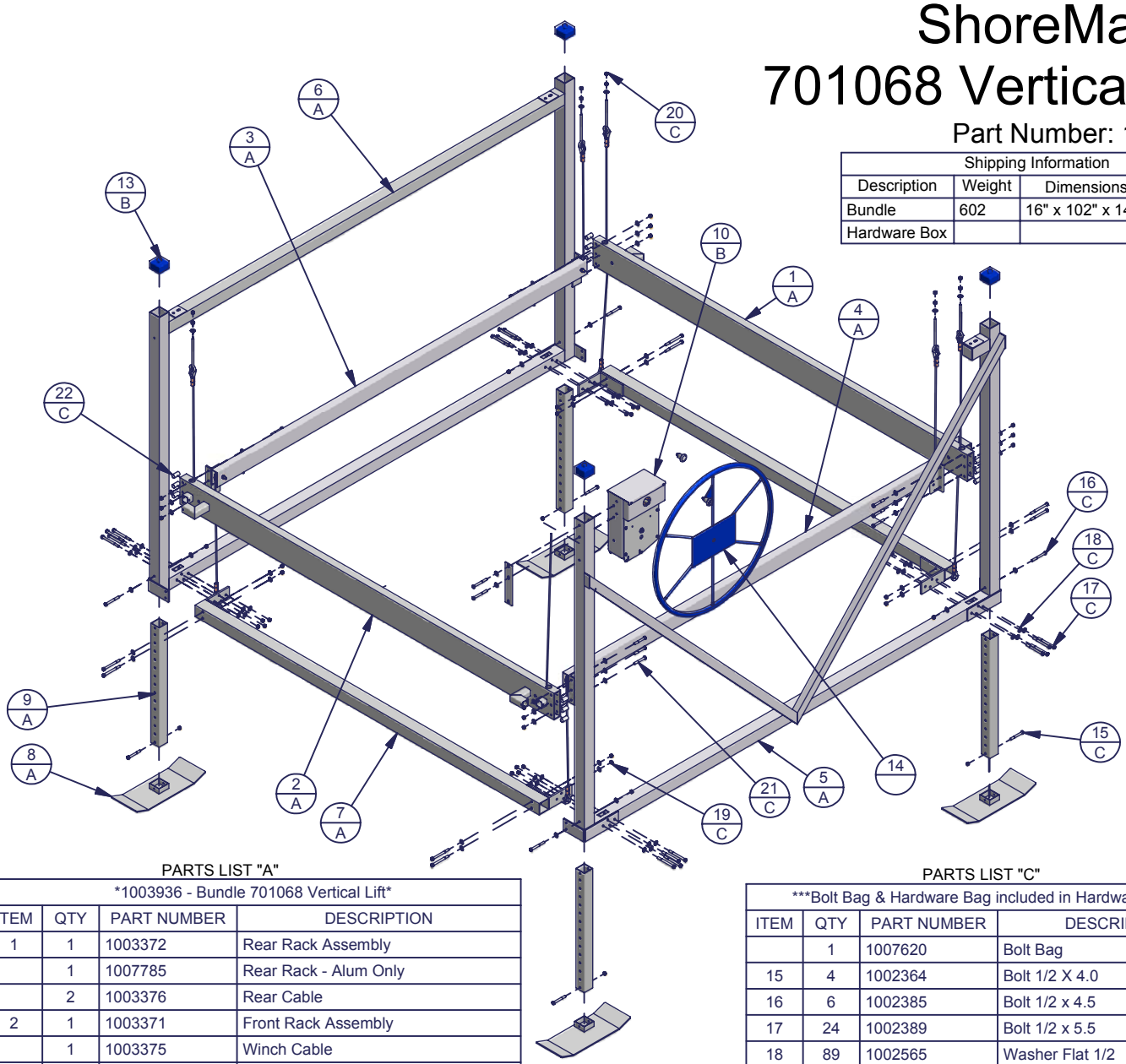
CAUTION - PUT SAFETY FIRST

1. Before attempting to install or operate this lift, study and fully understand the proper operating procedures and safety precautions outlined in this owner's manual.
2. Never exceed the recommended weight capacity of your lift. The lifted weight will include hull, engine, fuel, battery, and added accessories or gear. Weigh your fully loaded boat at a certified scale to be absolutely sure of the total weight.
3. Do not allow anyone on, in, or under the lift while operating.
4. NOT COMPLYING WITH THE PROCEDURES AND PRECAUTIONS OUTLINED IN THIS MANUAL WILL INVALIDATE THE WARRANTY AND MAY RESULT IN PERSONAL INJURY OR DEATH.
5. If you have any questions about assembly, installation, operation or suitability of this product, contact an authorized dealer.

ShoreMaster
701068 Vertical Lift

Part Number: 1007101

Shipping Information			
Description	Weight	Dimensions	Cubic Ft
Bundle	602	16" x 102" x 146"	137.89
Hardware Box			



PARTS LIST "A"

1003936 - Bundle 701068 Vertical Lift			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1003372	Rear Rack Assembly
	1	1007785	Rear Rack - Alum Only
	2	1003376	Rear Cable
2	1	1003371	Front Rack Assembly
	1	1003375	Winch Cable
	1	1007784	Front Rack - Alum Only
3	1	1003374	Right Rack Side Assembly
	1	1003377	Side Cable
	1	1007783	Right Rack Side - Alum Only
4	1	1003373	Left Rack Side Assembly
	1	1003377	Side Cable
	1	1007782	Left Rack Side - Alum Only
5	1	1003642	Lift Side Winch
6	1	1003643	Lift Side Opposite
7	2	1007376	Bottom Beam
8	4	1007409	Foot Pad - I
9	4	1004744	Leg Post - I3

PARTS LIST "B"

1007045 - Winch Hardware Box			
ITEM	QTY	PART NUMBER	DESCRIPTION
10	1	1007374	WINCH 7000
11	1	1004881	Winch Support Plate
12	1	1007716	WHEEL SPACER KIT
13	1	1001827	BLUE CAP 3.425 X 3.425
	4	1007519	Bolt 3/4 x 4.0 w/ Zerk
14	1	1007201	WHEEL LARGE
	1	1002277	SPINNER KNOB
	4	1007519	Bolt 3/4 x 4.0 w/ Zerk

PARTS LIST "C"

Bolt Bag & Hardware Bag included in Hardware Box			
ITEM	QTY	PART NUMBER	DESCRIPTION
	1	1007620	Bolt Bag
15	4	1002364	Bolt 1/2 X 4.0
16	6	1002385	Bolt 1/2 x 4.5
17	24	1002389	Bolt 1/2 x 5.5
18	89	1002565	Washer Flat 1/2
19	46	1001792	Nut 1/2 Brass
20	10	1002078	Nut 1/2 Galv
21	12	1002383	Bolt 1/2 x 3.5
	1	1007511	Hardware Bag
22	12	1003504	Pipe Spacer

PULLEY/RACK PARTS			
ITEM	QTY	PART NUMBER	DESCRIPTION
	4	1006914	Bushing (Rear)
	6	1002209	Sheave 7.25 (Front & Rear)
	4	1006913	Bushing (Front)
	4	1006916	Sheave 3.75
	8	1006908	Bushing (Side)
	4	1001795	Nut Nyloc 1/2
	4	1002383	Bolt 1/2 x 3.5
	4	1007519	Bolt 3/4 x 4.0 w/ Zerk

Frame Assembly Instructions

Your safety is the most important issue related to this product.

- Fully read and understand each step before proceeding with that step.
- Wear protective gloves, clothing and eyewear when assembling and installing the lift.
- Do not assemble, install or use this product if items are missing or damaged.

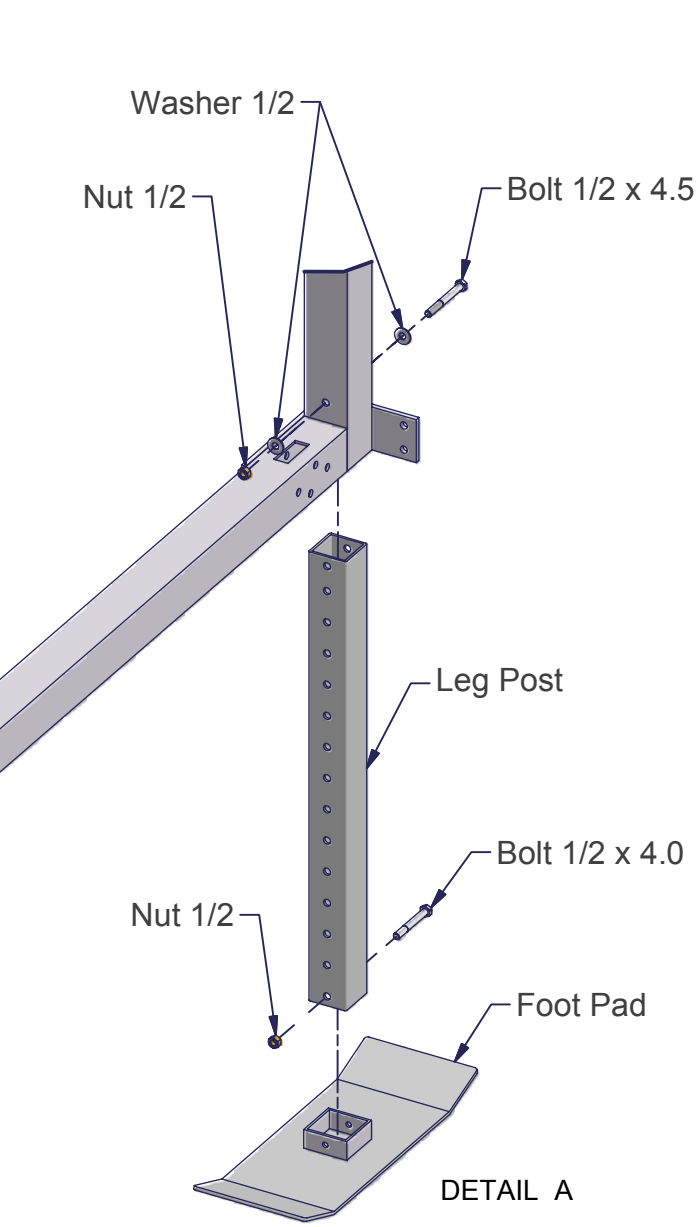
For ease of assembly find a flat area with plenty of room to assemble lift. The following tools will be needed for assembling lift:

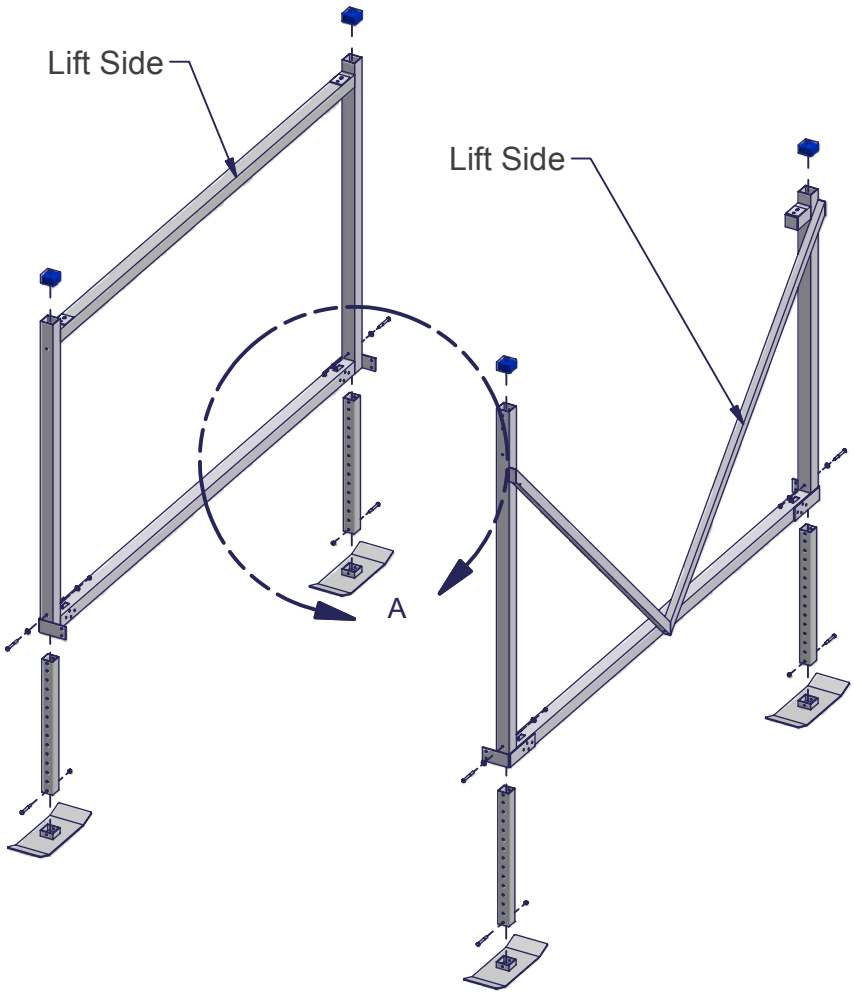
1. Pair of 7/16” Wrenches
2. Pair of 9/16” Wrenches
3. 3/4” Wrench
4. Measuring Tape
5. Hammer
6. 3/16” Allen Wrench

Only hand tighten bolts and nuts until lift is completely assembled.

STEP 1

Press in Blue Caps on Uprights as shown. Insert all four Leg Posts into Foot Pads. Secure using one Bolt 1/2 x 4.0 and one Nut 1/2 in each place. Insert Leg Posts into Lift Sides as shown. Secure with one Bolt 1/2 x 4.5, two Washers 1/2 and one Nut 1/2 for each Leg Post.



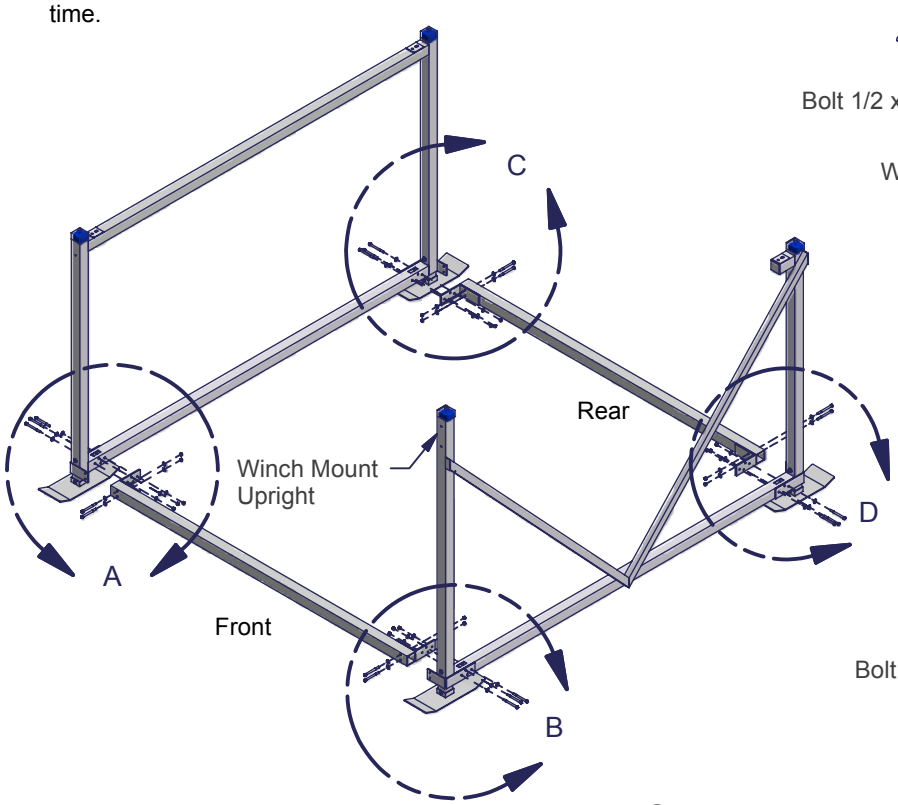


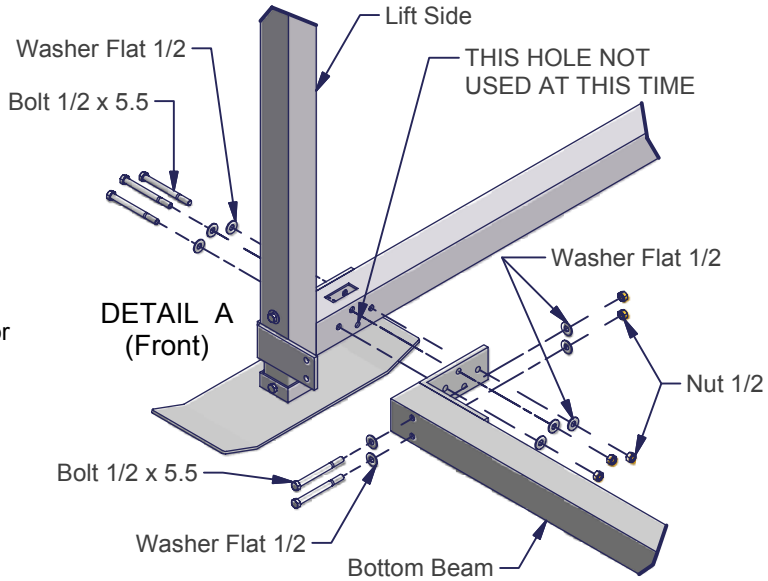
STEP 2

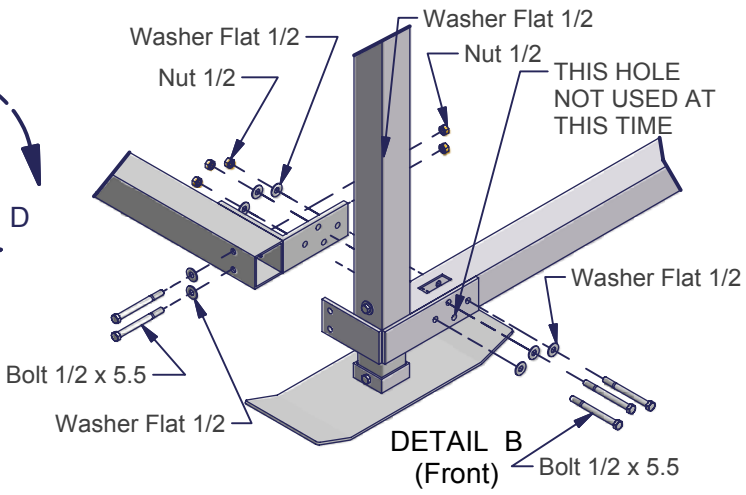
Attach one Bottom Beam to the front of both Lift Sides. Secure each end of the Bottom Beam with five Bolts 1/2 x 5.5, ten Washers Flat 1/2 and five Nuts 1/2 - as shown in Detail "A" and "B."

Note: The front is indicated by the Winch Mount Upright - as shown.

Note: Bolt only five of the six holes at each corner at this time. The remaining hole will be used in a later step. See each detail for the one connection hole (in each front corner) not used at this time.



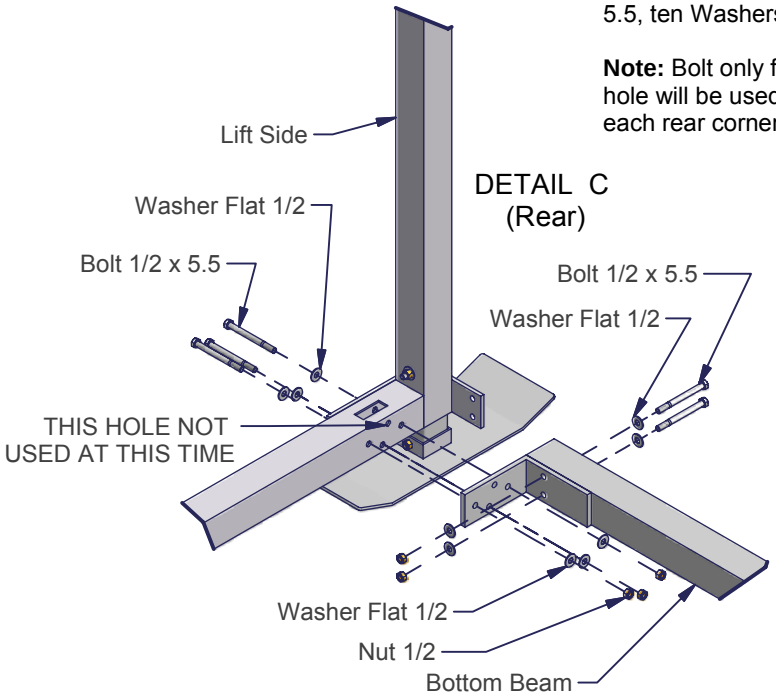


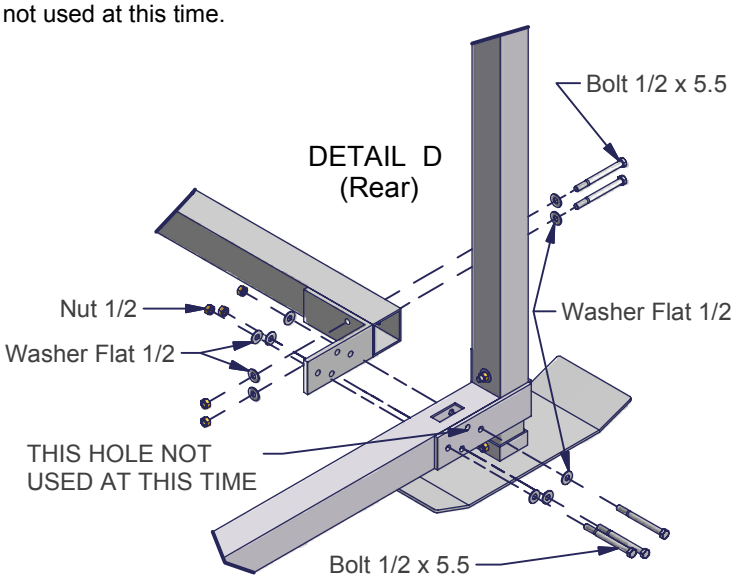


STEP 3

Attach the Bottom Beam to rear of the Lift Sides. Secure with Five Bolts 1/2 x 5.5, ten Washers Flat 1/2 and five Nuts 1/2 - as shown in Detail "C" & "D."

Note: Bolt only five of the six holes at each corner at this time. The remaining hole will be used in a later step. See each detail for the one connection hole (in each rear corner) not used at this time.





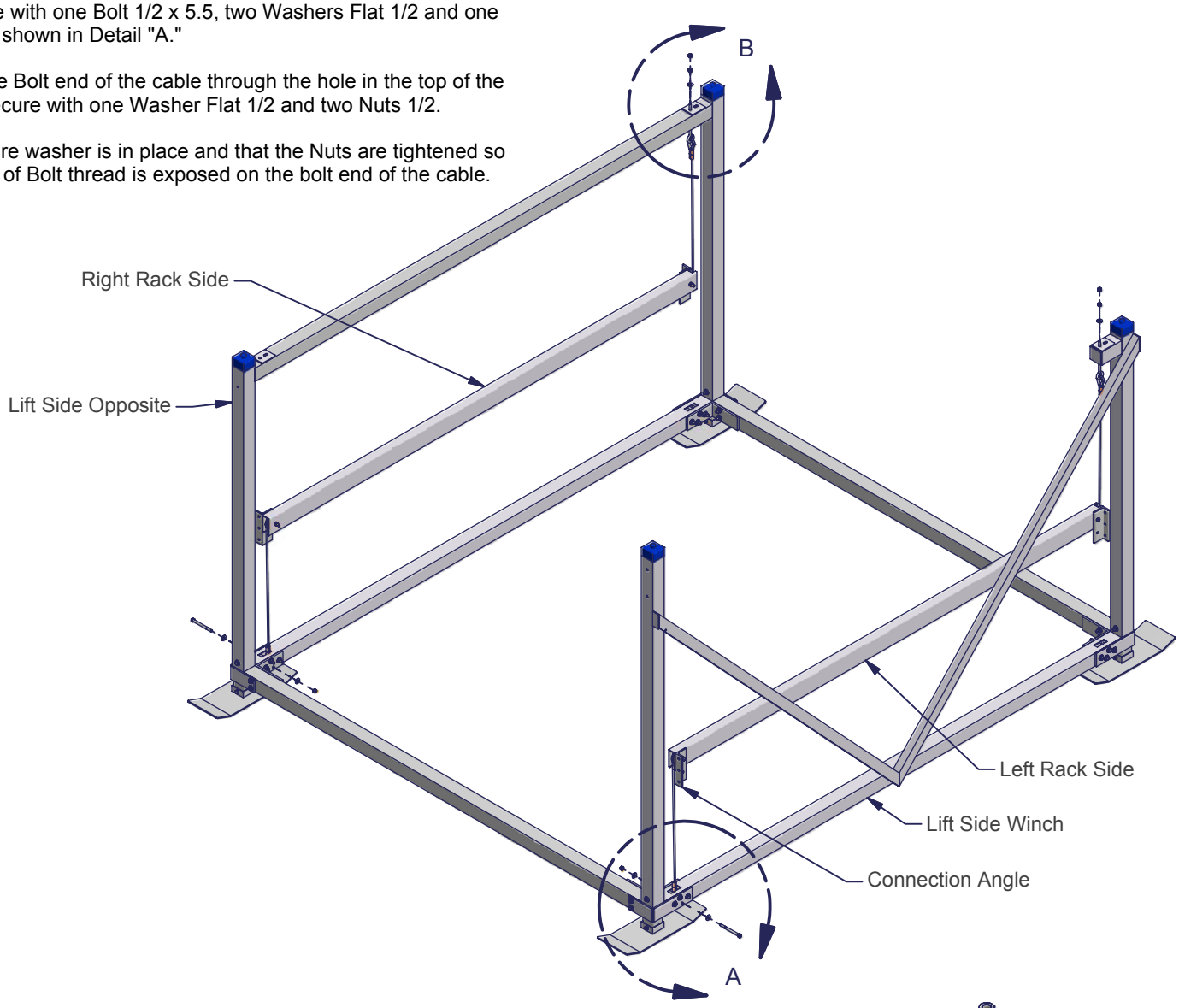
STEP 4

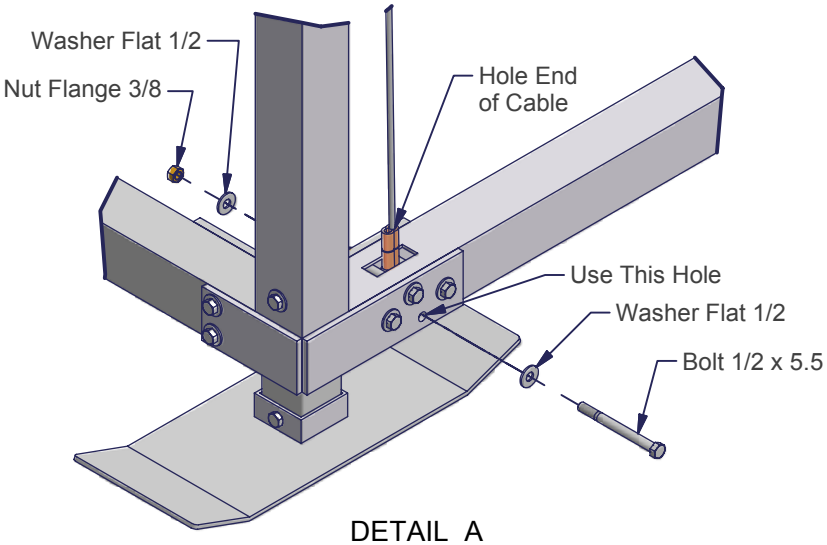
Place the Rack Sides in the Lift Sides as shown with Connection Angles facing out.

A - Set the Hole end of the cable into the slot in the front of the lift side. Secure with one Bolt 1/2 x 5.5, two Washers Flat 1/2 and one Nut 1/2 - as shown in Detail "A."

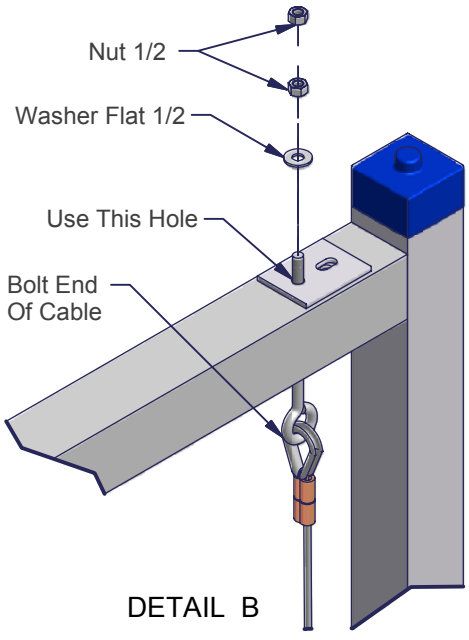
B - Insert the Bolt end of the cable through the hole in the top of the Lift Side. Secure with one Washer Flat 1/2 and two Nuts 1/2.

Note: Be sure washer is in place and that the Nuts are tightened so at least 1/4" of Bolt thread is exposed on the bolt end of the cable.





DETAIL A



DETAIL B

STEP 6

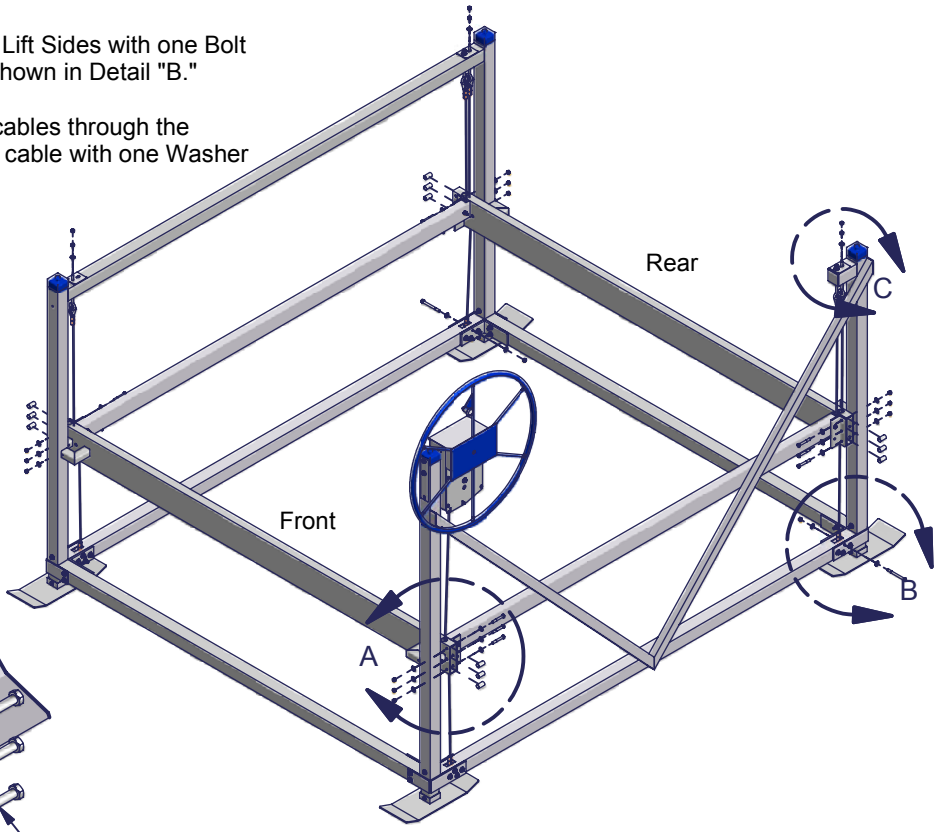
A - Attach the Front and Rear Racks to the Rack Sides. Secure at each end with three Bolts 1/2 x 3.5, three Spacers, six Washers Flat 1/2 and two Nuts 1/2 - as shown in Detail "A."

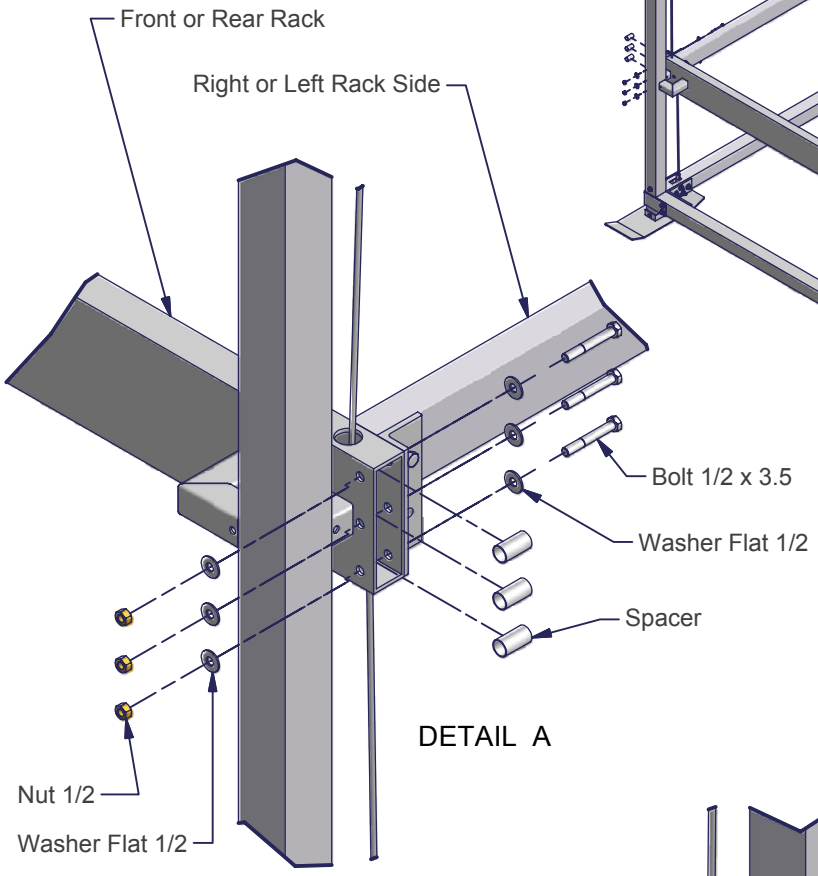
NOTE: Rack Side Angles should face out and down.

B - Secure bottom end of the Rear Rack cables to the Lift Sides with one Bolt 1/2 x 5.5, two Washers Flat 1/2 and one Nut 1/2 - as shown in Detail "B."

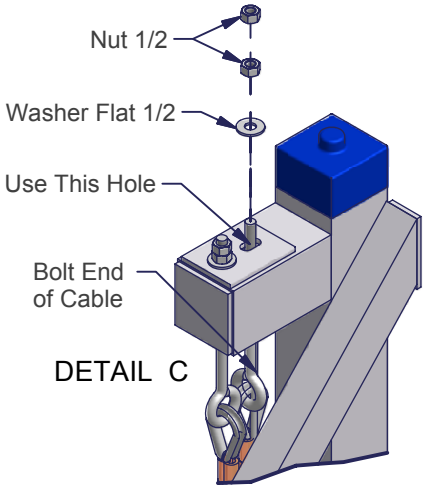
C - Insert the Bolt End of of the Front and Rear Rack cables through the specified hole in the top of the Lift Sides. Secure each cable with one Washer Flat 1/2 and two Nut 1/2 as shown in Detail "C."

Install grease zerks in all pulley bolts.

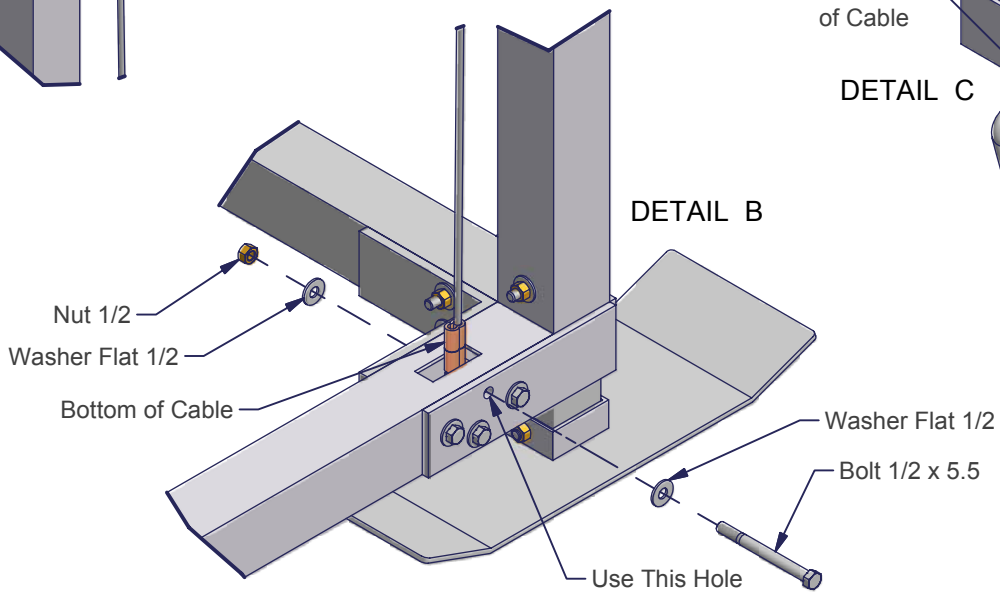




DETAIL A



DETAIL C



DETAIL B

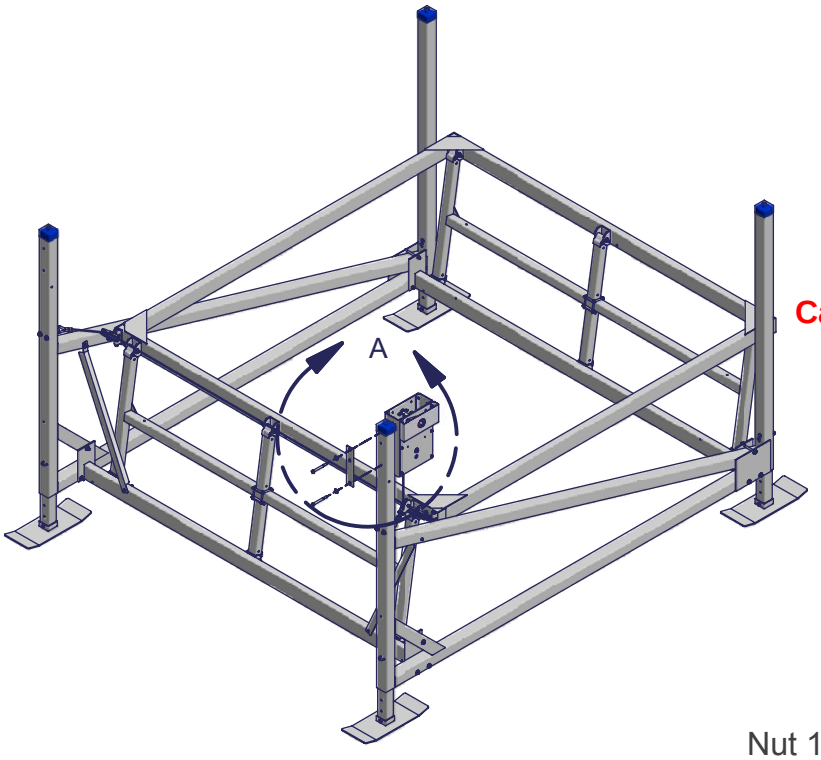
WINCH / WHEEL INSTRUCTIONS

STEP 1

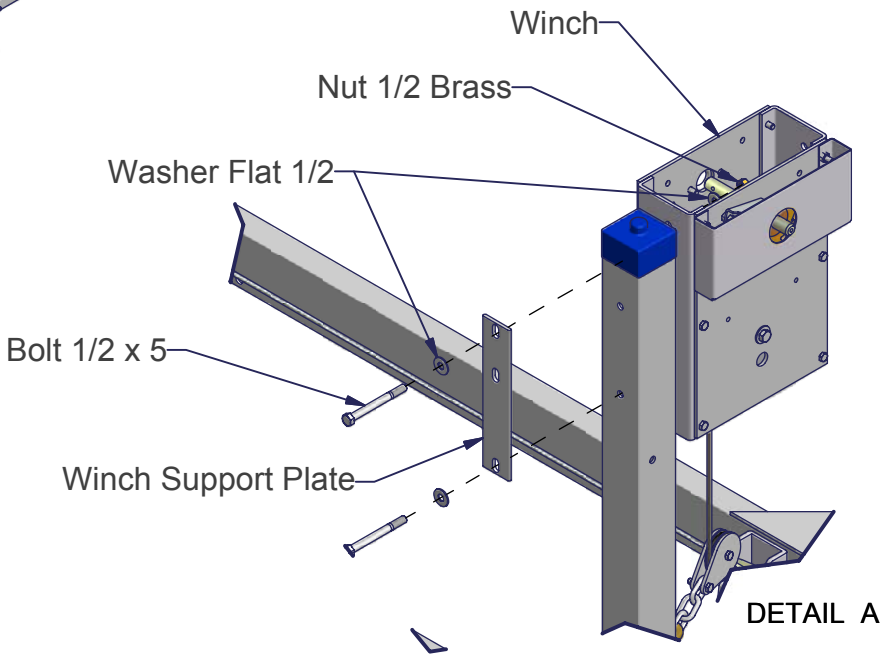
Remove the Winch Cover by unscrewing the three screws.

STEP 2

Attach the Winch and Winch Support Plate to the Lift Side Upright. Secure with two Bolts 1/2 x 5, four Washers Flat 1/2 and two Nuts 1/2 - as shown in Detail "A."



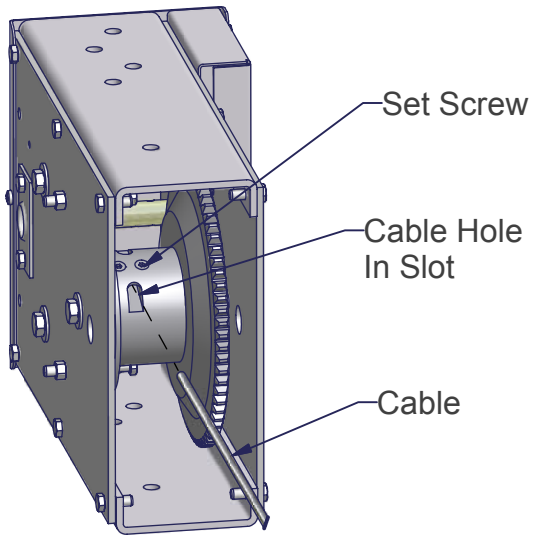
Cantilever Lift Shown



STEP 3

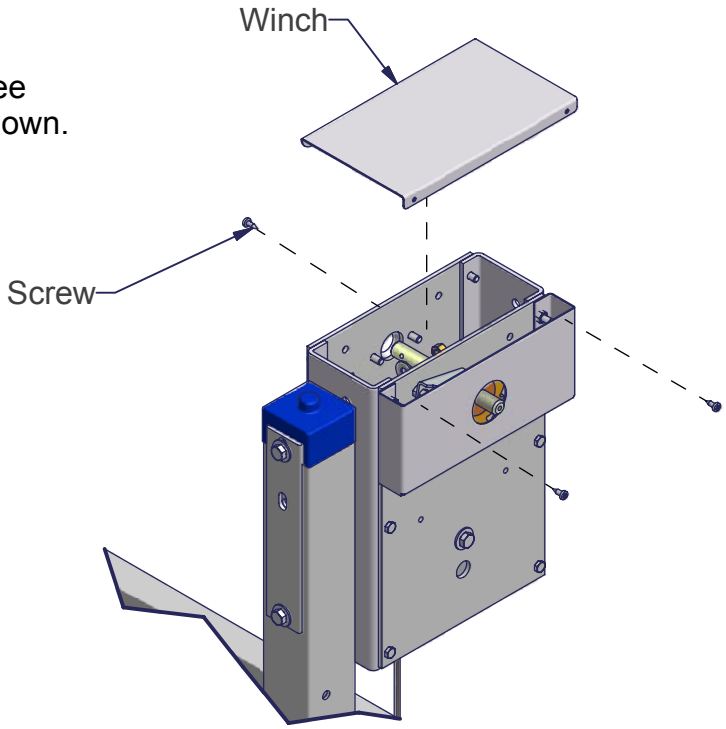
Slide end of cable into slotted opening on winch hub. Using a 3/16" Allen Wrench, tighten winch hub set screw to secure cable to winch hub.

NOTE: Cable must enter at slotted end of opening through hub as shown. Slide cable fully into hub opening. However do not go so far that the cable sticks out the other side of hole. This would interfere with proper cable wrapping.



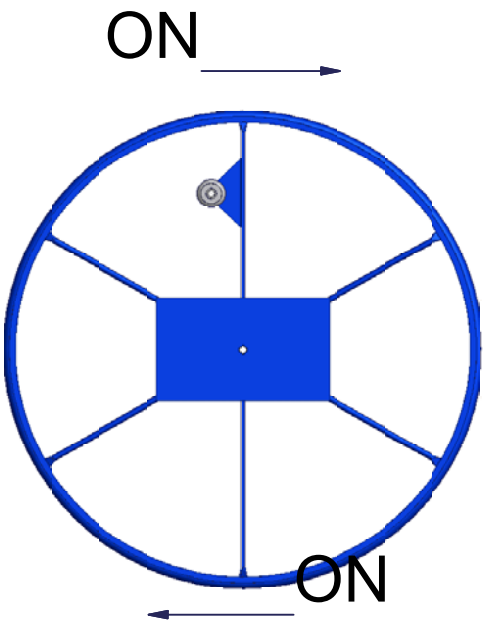
STEP 4

Set cover on winch and secure with the three screws that were removed in Step 1 - as shown.



STEP 5

Thread Wheel clockwise on to shaft of Winch.You must thread wheel all the way on winch shaft. The wheel hub must be fully against brake pad when turning wheel up!

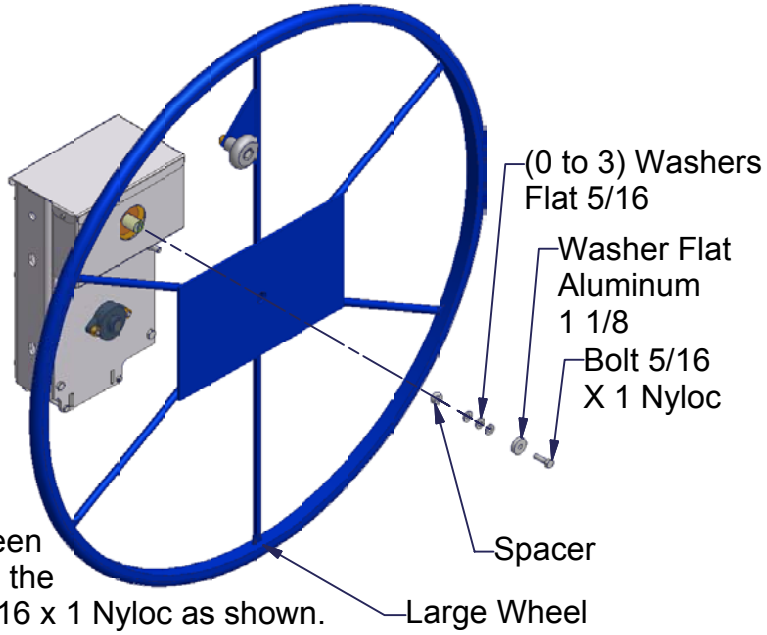


STEP 6

Using a sharp knife or razor blade, cut a small hole in the middle of the wheel, where the wheel sticker covers the attaching bolt hole.

STEP 7

Prior to securing wheel in place using the Bolt 5/16 x 1 Nyloc, stack the spacer and three Washers Flat 5/16. Then place the stack in the bolt hole in the middle of the wheel. The stack should just barely protrude out of the center bolt hole. Remove one Washer Flat 5/16 at a time until the stack just barely protrudes out of the center hole.



Once the correct number of Washers has been determined, secure the wheel in place using the Washer Flat Aluminum 1 1/8 and the Bolt 5/16 x 1 Nyloc as shown.

NOTE: You should be able to slide a piece of paper in the gap between sticker in the center of the wheel and the washer. The wheel should turn 1/8 to 1/4 turn prior to engaging the Washer Flat Aluminum 1 1/8.

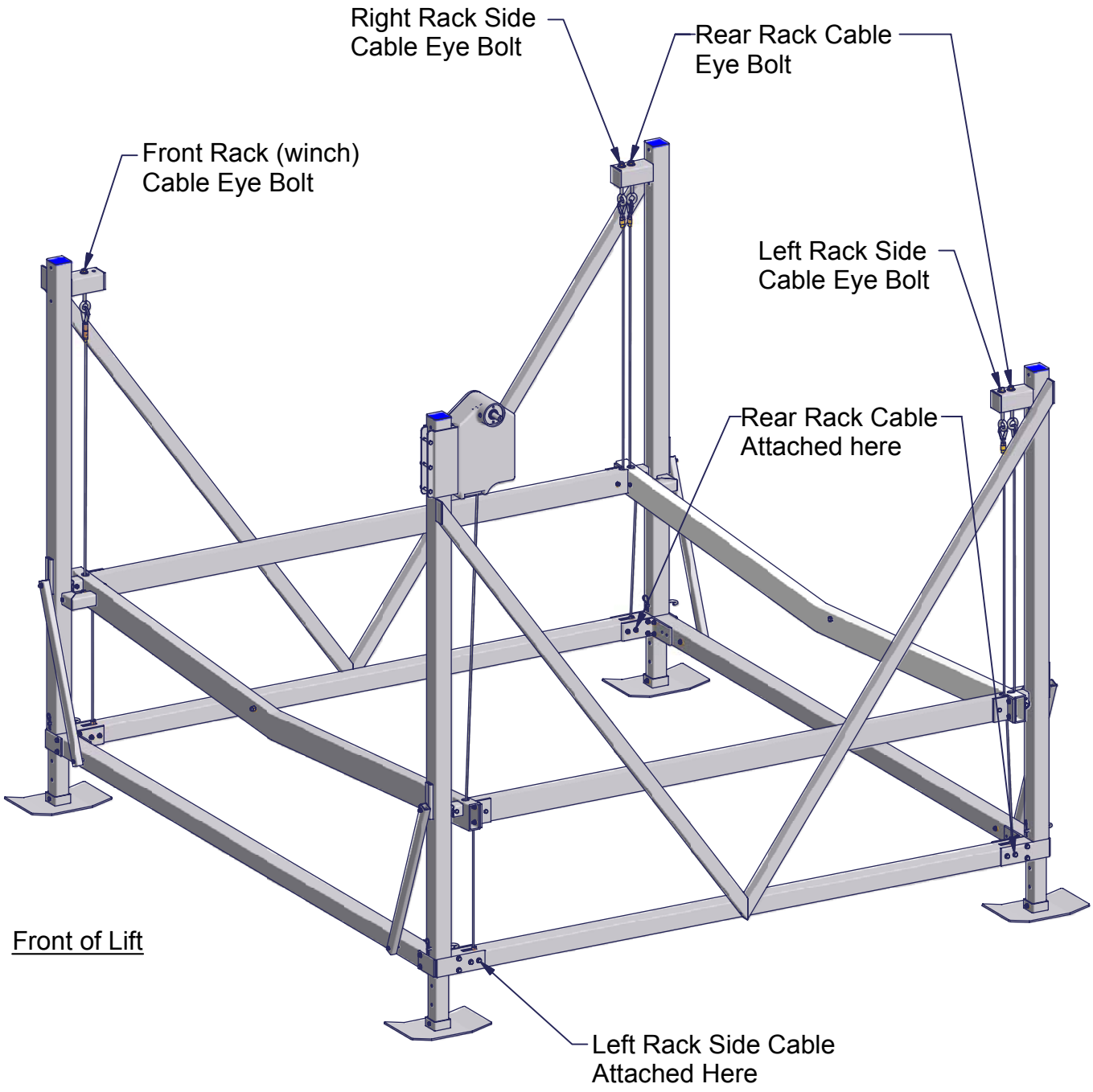
STEP 8

Thread excess cable onto winch hub by turning wheel clockwise. Be sure cable wraps tight and uniformly on hub with each strand lying snuggly next to the adjacent strand. Keep tension on the cable by holding it tight when turning the wheel to develop a proper wrap. Do not allow cable to wind up loosely on hub.

CAUTION

Use a leather glove or other hand protection to avoid cuts when applying cable pressure. Cables wrapping incorrectly will result in rapid cable wear.

Proper Cable Locations



CAUTION

Be sure washer is in place and that Nyloc Nut is tightened so at least 1/4" is exposed. Failure to attach cables, Eye Bolts, Washers and Nuts correctly could result in a severe crushing, cutting or pinching injury. Severe damage to lift or boat could also occur.

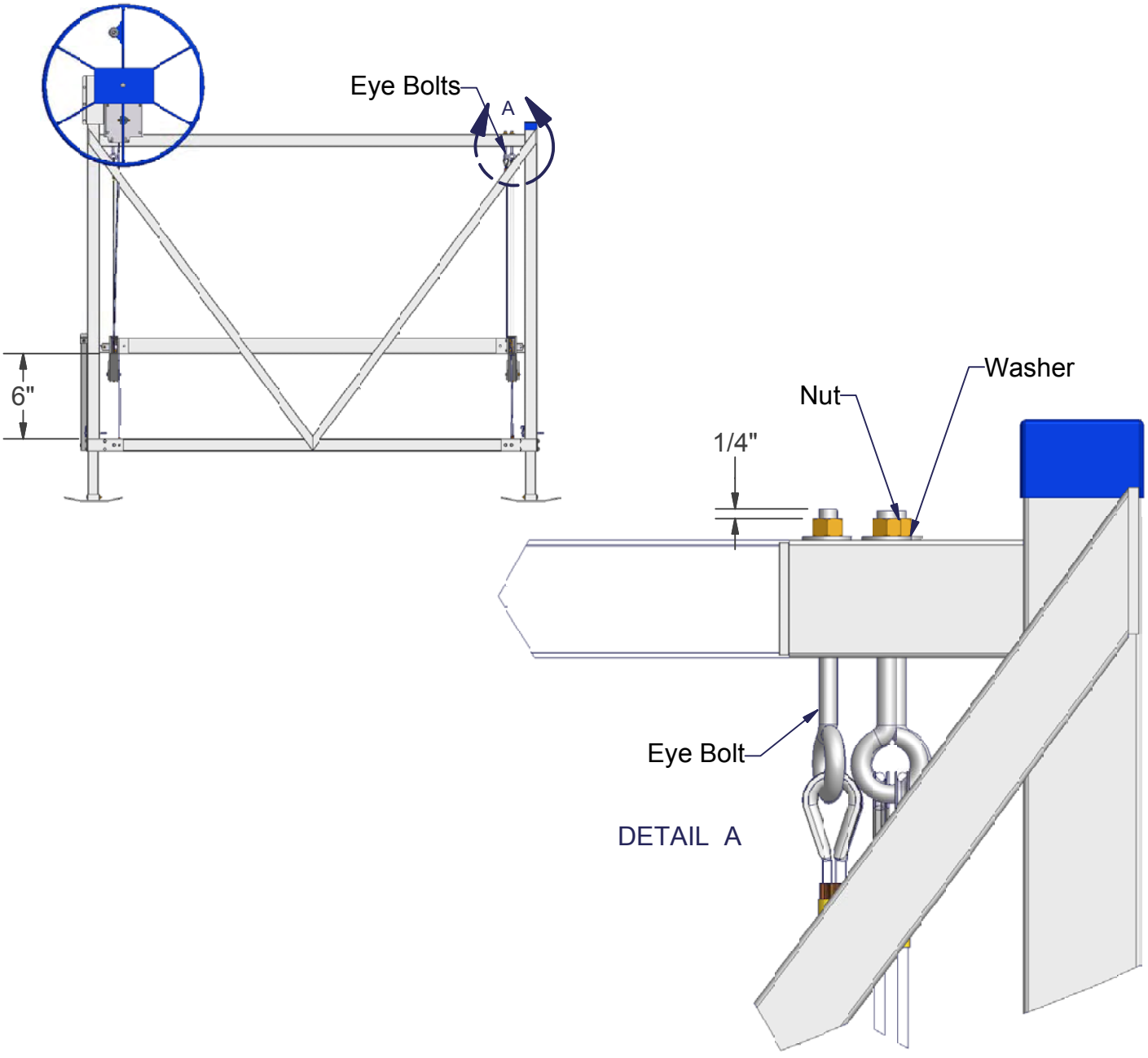
Proper Cable Adjustment

a) There are four cables with Eye Bolts and nuts that must be adjusted to properly level cables. These Eye Bolts are all located near the rear uprights as shown.

b) Turn wheel so front rack beam raises about 6" above the bottom of frame. Adjust cables so all corners of rack are the same distance from frame.

Note: Adjust the cable length by turning the nut on top of the Eye Bolt. Hold the Eye Bolt stationary while adjusting the top nut. Using the frame below the rack as your reference point, measure the distance from frame to rack in each corner. These distances should all be within a 1/4 inch.

Note: Be sure washer is in place and that Nyloc Nut is tightened so at least 1/4" of Eye Bolt thread is exposed. 3/4" is a good starting point for leveling the Rack.



INSTALLATION INSTRUCTIONS

Do not under any circumstances, endanger yourself or risk damage to your lift or boat when installing.

- Situations will widely vary between installation sites. ShoreMaster recommends that your dealer or other trained boat lift installer train you and perform the initial installation.
- Wear protective gloves, clothing and eyewear when assembling and installing the lift.
- Do not assemble, install or use this product if items are missing or damaged.

The following are guidelines or suggestions for installation:

STEP 1

Measure the water depth of the position you want to locate the lift. Measurements should be taken at both the projected position of the end nearest shore and end furthest from shore.

STEP 2

Before installing, adjust lift legs so the boat can float into position before raising, while still allowing a high enough position so the boat can be fully raised up and out of the water.

STEP 3

Carry, lift, roll, float or slide the lift into position alongside the dock. Ask your dealer about a wheel caddy unit to allow your lift to be rolled into position.

STEP 4

Ensure that your lift is level. Measure the distance from the top of the cross beam to the water surface. The distance at each of the four corners of the lift should be within two inches of each other. If they are not, adjust the legs accordingly.

Note: If the lift legs will extend 3 feet or more, ShoreMaster recommends deep water braces to stabilize and strengthen the lift. Ask your dealer for more information.

CAUTION

The lift must be resting on the water bottom in a level, secure and stable position for safe operation. An unstable lift installation could result in tipping of the lift during operation, causing damage to watercraft and a crushing or pinching injury to the operator or bystanders.

STEP 5

After loading and operating the lift pursuant to the operating instructions, remove the boat and recheck that the lift remains level.

OPERATING INSTRUCTIONS

CAUTION

When first using the boat lift after installation, the weight of the boat may cause the lift to settle and become unbalanced. Until you are certain the lift has stabilized, make sure people are not in the immediate vicinity of the lift.

Now that you have installed and leveled the lift, you are ready to raise your boat for the first time. Prior to use, see to it that anyone who may use the lift looks upon the unit not as a toy but a piece of heavy equipment that deserves your respect and good judgment.

- Before allowing anyone to operate the lift, be sure they fully understand the proper operating procedure.
- Do not exceed maximum capacity of the lift; overloading may cause mechanical failure and serious personal injury.
- Do not allow anyone who is in the water within six feet of the lift.
- Do not allow anyone on, in or under the lift while operating.

When operating the lift, the following procedures should be adhered to:

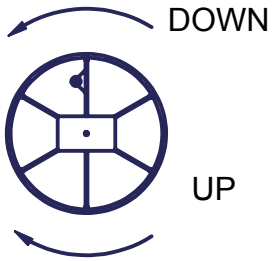
STEP 1

Be sure the lift rack and cradles or bunks are positioned below the water surface so they will not interfere with the boat floating into position.

STEP 2

Properly balance and center the boat on the lift prior to raising. The boat should be positioned with the center of gravity near the middle of the lift. For most rear engine mounted boats, this requires you to position the boat somewhat forward in the lift.

STEP 3



Turn wheel in direction of arrow (clockwise) to raise lift.
Turning wheel and wrapping cable in wrong direction may cause fast spin down of wheel.

WARNING

Stay clear of lifts (facing wheel) while operating. Do not allow anyone on, in or under lift. A cable or lift part failure can cause a sudden drop of boat, resulting in a crushing or falling injury or death!

CAUTION

Do not touch wheel or attempt to stop it if fast spin down of wheel occurs. Placing hands or feet on spinning wheel can cause broken or cut limbs.

STEP 4

Carefully bring the lift up until the bunks or cradles have secured the boat. Then, stop the lift and check to see that the bunks or cradles have automatically positioned themselves to the shape of the hull, as they are designed to do. If so, continue bringing the boat out of the water until it is about one foot above the surface. Stop the lift again and check the stability of the lift, particularly to see that it is fairly level and will not topple over. Finally, continue lifting the boat while paying close attention to the positioning of the lift until it is at its desired height.

STEP 5

After loading and operating the lift, remove the boat and recheck that the lift remains level. (See Step 4 of the Installation Instructions.) If the lift is not level, the legs should be adjusted accordingly. Because the lift may settle and become unbalanced, the lift levelness should be rechecked two weeks after installation and periodically as needed.

STEP 6

If lift is without a boat in it for more than one day, raise the rack (pulleys) fully out of the water to help prevent corrosion of these parts. At all times, make sure the boat is stored high enough out of the water to avoid wave action against the hull. A moving boat as a result of wave action will damage the lift and can take the boat off the lift.

CAUTIONS:

1. Do not over raise lift rack. Stop before top of rack hits cable loops attached to Eye Bolts. Over raising could cause damage to winch, cables or other parts.

2. Do not over lower rack so slack develops in cable. Doing this could cause cable to jump off winch spool. This may result in sloppy wrapping of cable next time you raise the lift, resulting in premature wear or cable breaking.Turn wheel down one or two turns past point when craft begins to float (This must always be at some point before lift rack is contacting rear bottom beam). Then turn wheel up slightly until clicking sound is heard to secure wheel position and brake on winch.

3. Properly cover your boat, or pull your boat's plug when the boat is in a raised position. Rain water accumulating in your bilge can quickly increase your gross weight over the capacity of the lift.

4. Do not leave lift, or boat on lift, in water if ice formation is possible. Ice can severely damage your boatlift.

SAFETY MAINTENANCE

Monthly Checks

Check cables for frays, corrosion or breaks at least once a month. A cable breaking while boat is in lift could damage boat or lift. Severe bodily injury could also occur.

Spring and Fall Checks

1. Inspect nuts and bolts for damage, wear or loose connections. Tighten or replace parts as needed.

2. Inspect lift frame, pulleys, winch and pivot points for unusual wear, damage or bent parts. Replace or repair as needed.

3. Check that the rack is level with the bottom frame of your lift. Cable stretching or settling of lift could require you to adjust nuts on Eye-Bolts.

4. Lubricate winch and wheel threads. Do not get lubricant on brakepads! Brake will fail and wheel will spin down if brake pads are lubricated.

5. Check and lubricate pulleys to ensure that they are turning freely.

6. Check Eye-Bolts to make sure they are not working themselves loose.

ShoreMaster dealers usually offer service visits. Please contact them if you are unable or unwilling to perform maintenance or service to lift.