

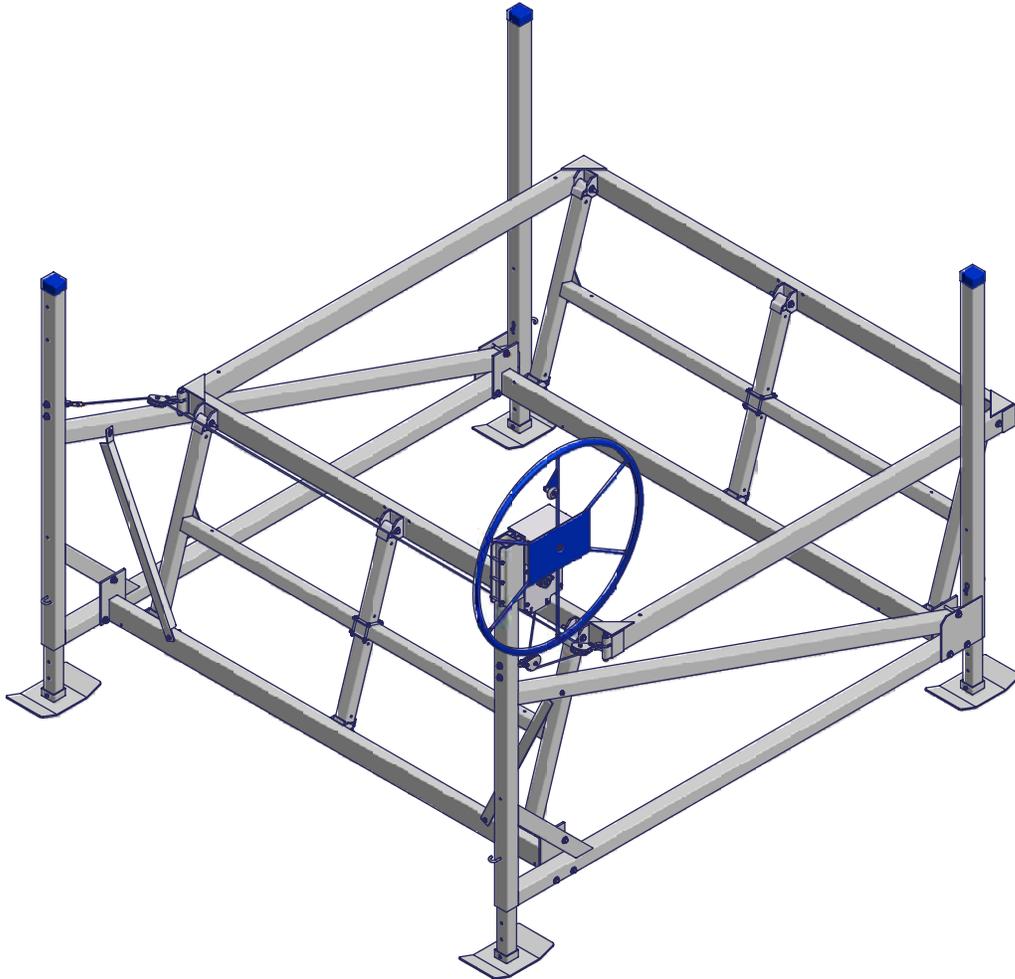


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## 5000# Cantilever Lift:

Instructions and Safety Tips

5000 lb. Capacity

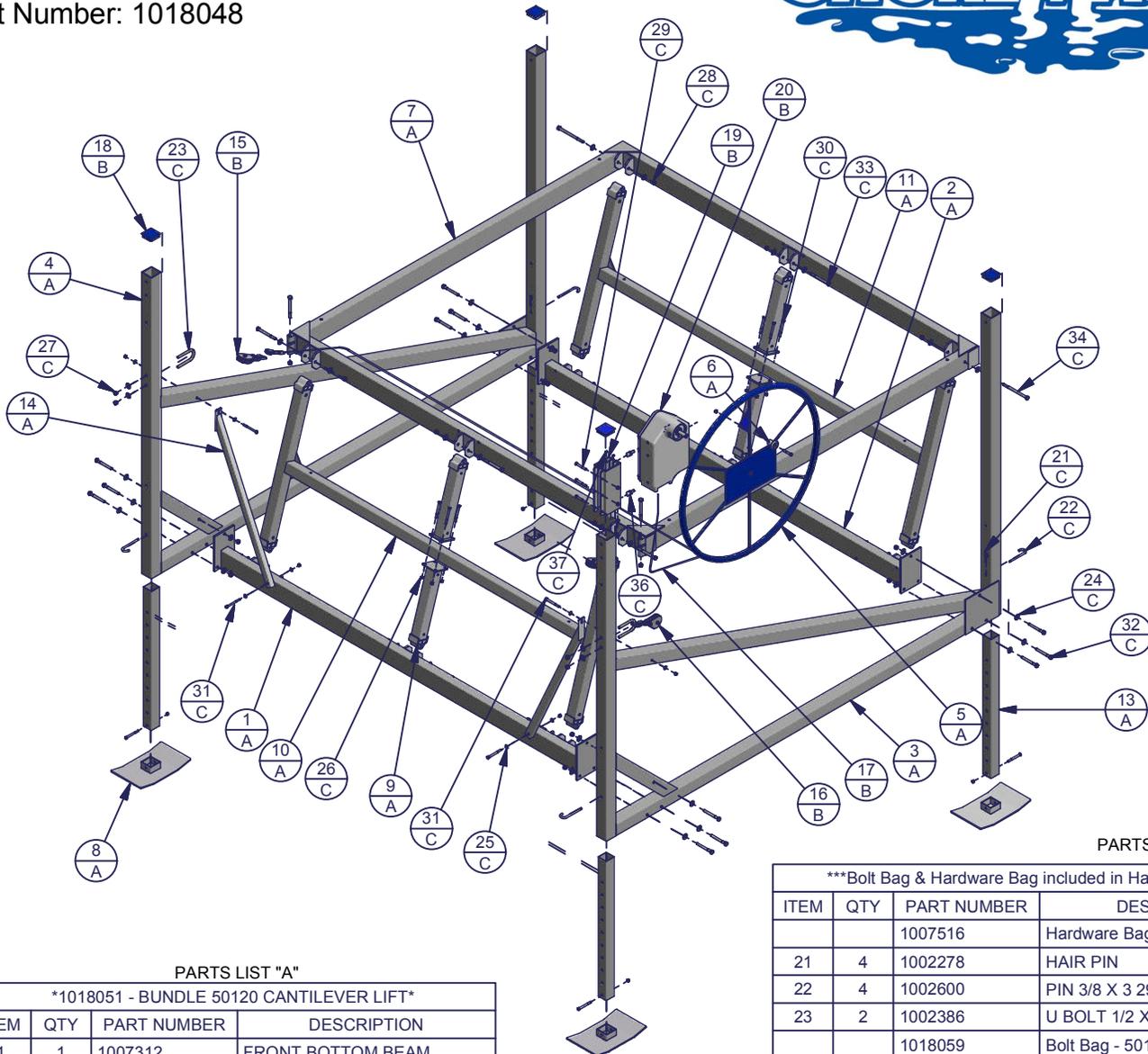


### CAUTION - PUT SAFETY FIRST

1. Before attempting to install or operate this hoist, 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.

# 50120 Cantilever Lift

Part Number: 1018048



### PARTS LIST "A"

*1018051 - BUNDLE 50120 CANTILEVER LIFT*			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1007312	FRONT BOTTOM BEAM
2	1	1007313	REAR BOTTOM BEAM
3	1	1007309	LIFT SIDE LEFT
4	1	1007311	LIFT SIDE RIGHT
5	1	1007201	WHEEL LARGE
6	1	1002277	SPINNER KNOB
7	1	1007308	RACK
8	4	1007404	FOOT PAD - C
9	4	1007310	I BEAM CENTER
10	1	1007351	FRONT I-BEAM
11	1	1007353	REAR I-BEAM
12	12	1007524	I-BEAM BUSHING (6/I-BEAM)
13	4	1003944	LEG POST - C
14	2	1017650	Wdmt 41.2 - Lift Support Brace

### PARTS LIST "B"

*1018054 - HARDWARE BOX 50120 CANTILEVER LIFT*			
ITEM	QTY	PART NUMBER	DESCRIPTION
15	2	1007248	Pulley 3.0 w/3 Link Chain
16	1	1024417	Pulley 3.0 w/4 Link Chain
17	1	1007679	CABLE COMPLETE
18	4	1001034	Cap Press-In 3.0x3.0 Blue W/Logo
19	1	1001791	WINCH MOUNT
20	1	1015523	Whisper Winch Model - 24:1

### PARTS LIST "C"

***Bolt Bag & Hardware Bag included in Hardware Box***			
ITEM	QTY	PART NUMBER	DESCRIPTION
		1007516	Hardware Bag
21	4	1002278	HAIR PIN
22	4	1002600	PIN 3/8 X 3 29/32
23	2	1002386	U BOLT 1/2 X 4.5
		1018059	Bolt Bag - 50120
24	52	1002565	WASHER FLAT 1/2
25	4	1002599	WASHER FLAT 3/8
26	8	1001803	NUT 3/8 BRASS
27	18	1001792	NUT 1/2 BRASS
28	12	1001795	NUT 1/2 NYLOC BRASS
29	3	1002431	BOLT 3/8 X 2.75
30	12	1002434	BOLT 3/8 X 3.5
31	4	1002437	BOLT 3/8 X 3.75
32	12	1002387	BOLT 1/2 X 4.25
33	12	1002388	BOLT 1/2 X 5
34	2	1002393	BOLT 1/2 X 7
35	11	1001802	Nut Hex Flange 3/8-16 Serrated
36	2	1000513	Bolt Custom 1/2-20 x 1.0 - Winch
37	2	1000536	Set Screw 3/8-16 x .375 SS

### PULLEY PARTS

QTY	PART NUMBER	DESCRIPTION
3	1007249	PULLEY BRASS LESS CHAIN
2	1003489	PULLEY SIDE PLATE (ALUM)
2	1007626	SHEAVE INSERT (STEEL)
1	1002420	BOLT 3/8 X 1.5
2	1001806	NUT JAM 3/8 NYLOC
2	1007687	BRASS SHEAVE ASSEMBLY 3.0
1	1024418	4 Link - CHAIN 3/8 GALV.
2	1007165	3 Link - CHAIN 3/8 GALV.

# 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.

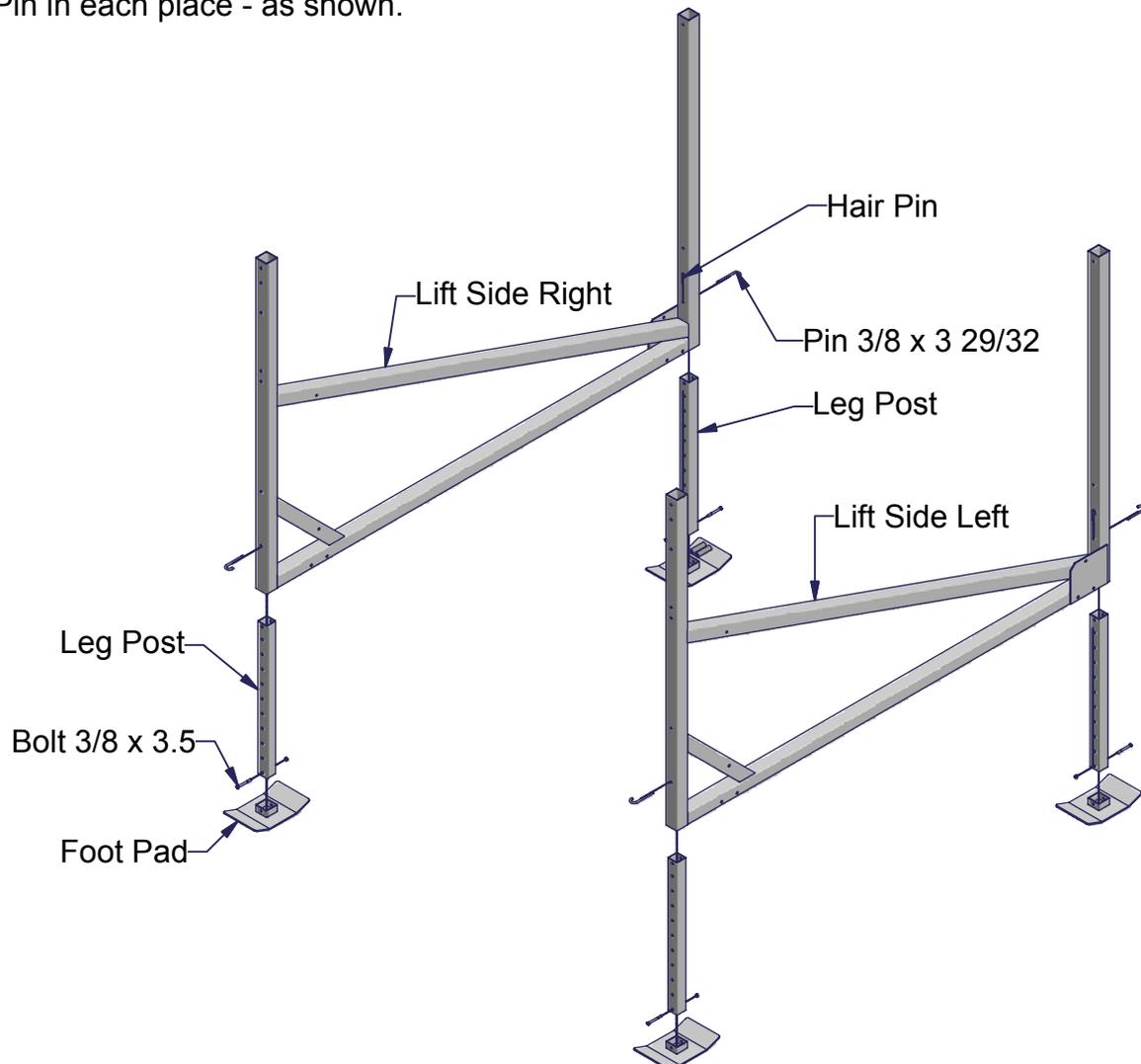
For ease of assembly find a flat area with plenty of room to assemble lift. The following tools will be needed for assembling lift:

1. Pair of 7/16" Wrench
2. One 1/2" Wrench
3. Pair of 9/16" Wrenches
4. Pair of 3/4" Wrenches
5. Measuring Tape
6. Sharp Knife or Razor
7. 3/16" Allen Wrench

## STEP 1

Insert all four Leg Posts into Foot Pads, secure using one Bolt 3/8 x 3.5 and one Nut 3/8 Brass in each place - as shown.

Insert all four Leg Posts into Lift Sides. At the desired height secure with one Pin 3/8 x 3 29/32, and one Hair Pin in each place - as shown.

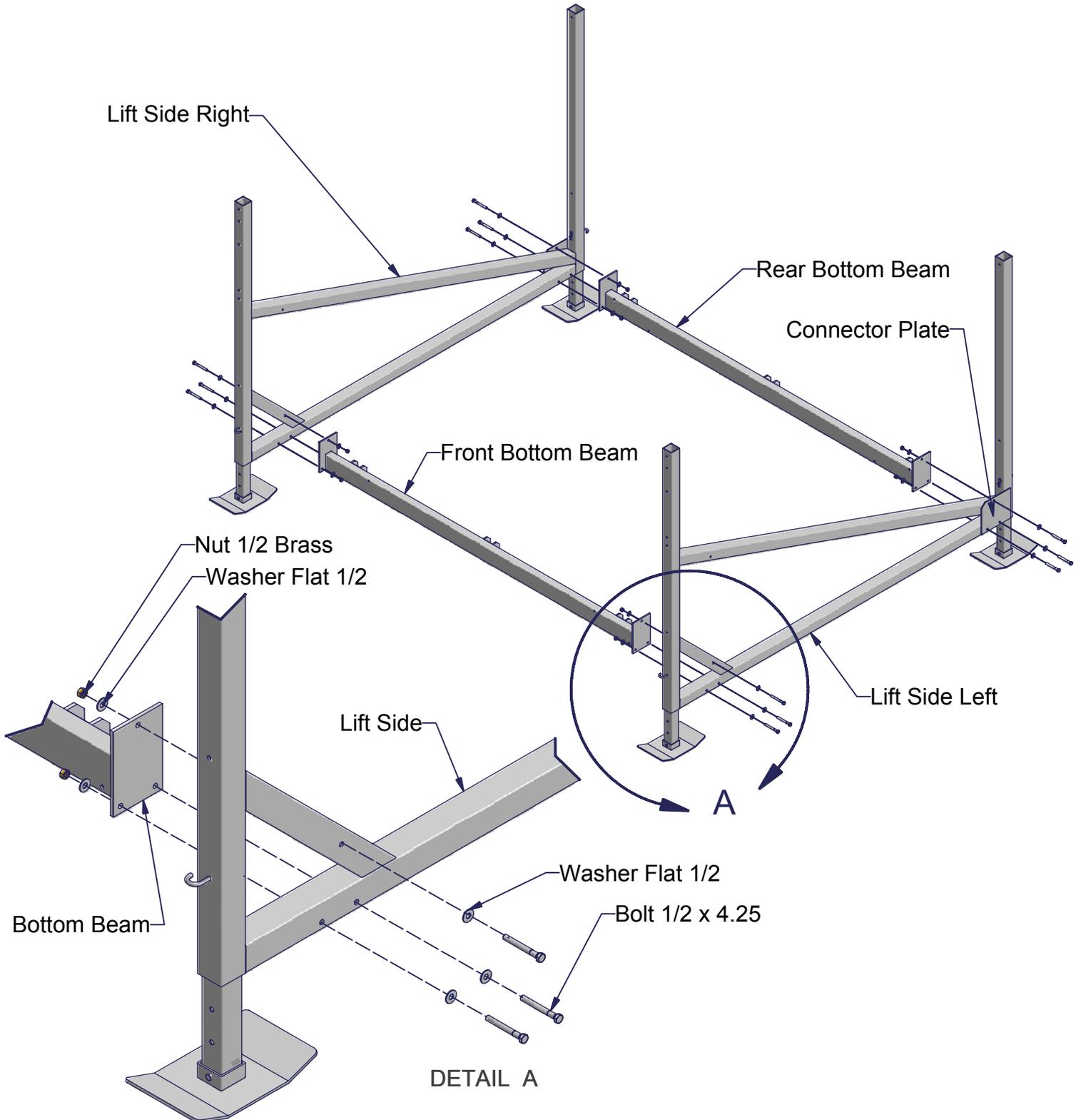


# STEP 2

Place the Lift Sides nine or ten feet apart depending on the lift size. Attach the Front and Rear Bottom Beams to each Lift Sides Right and Left with three Bolts 1/2 x 4.25, six Washers Flat 1/2, and three Nuts 1/2 Brass at each place - as shown in Detail "A."

**Note:** The Lift Side Connector Plates must be positioned to the outside of the lift - as shown.

**Note:** The Front Bottom Beam Lift Hinges are closer to each other than the Rear Bottom Beam. The Bottom Beams must be positioned to the rear of the lift - as shown.

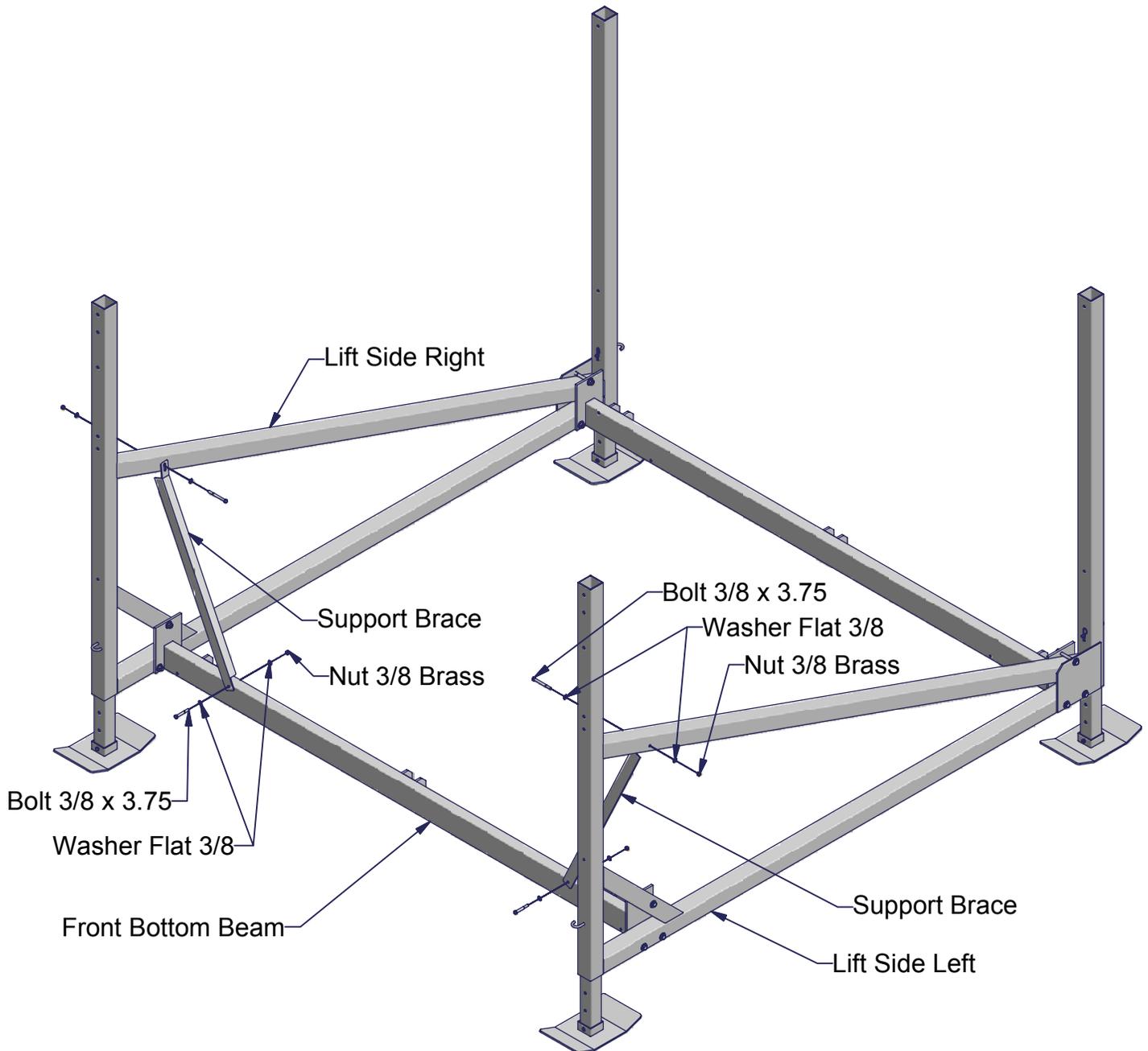


# STEP 3

Attach the Support Brace Left to the Lift Side Left and the Support Brace Right to the Lift Side Right with one Bolt 3/8 x 3.75, two Washers Flat 3/8 and one Nut 3/8 Brass in each place - as shown.

Attach the Support Braces to the Front Bottom Beam with one Bolt 3/8 x 3.75, two Washers Flat 3/8 and one Nut 3/8 Brass in each place - as shown.

**Note:** The Slot end of the support braces should be attached to the lift sides and the hole end of the support braces should be attached to the Front Bottom Beam.



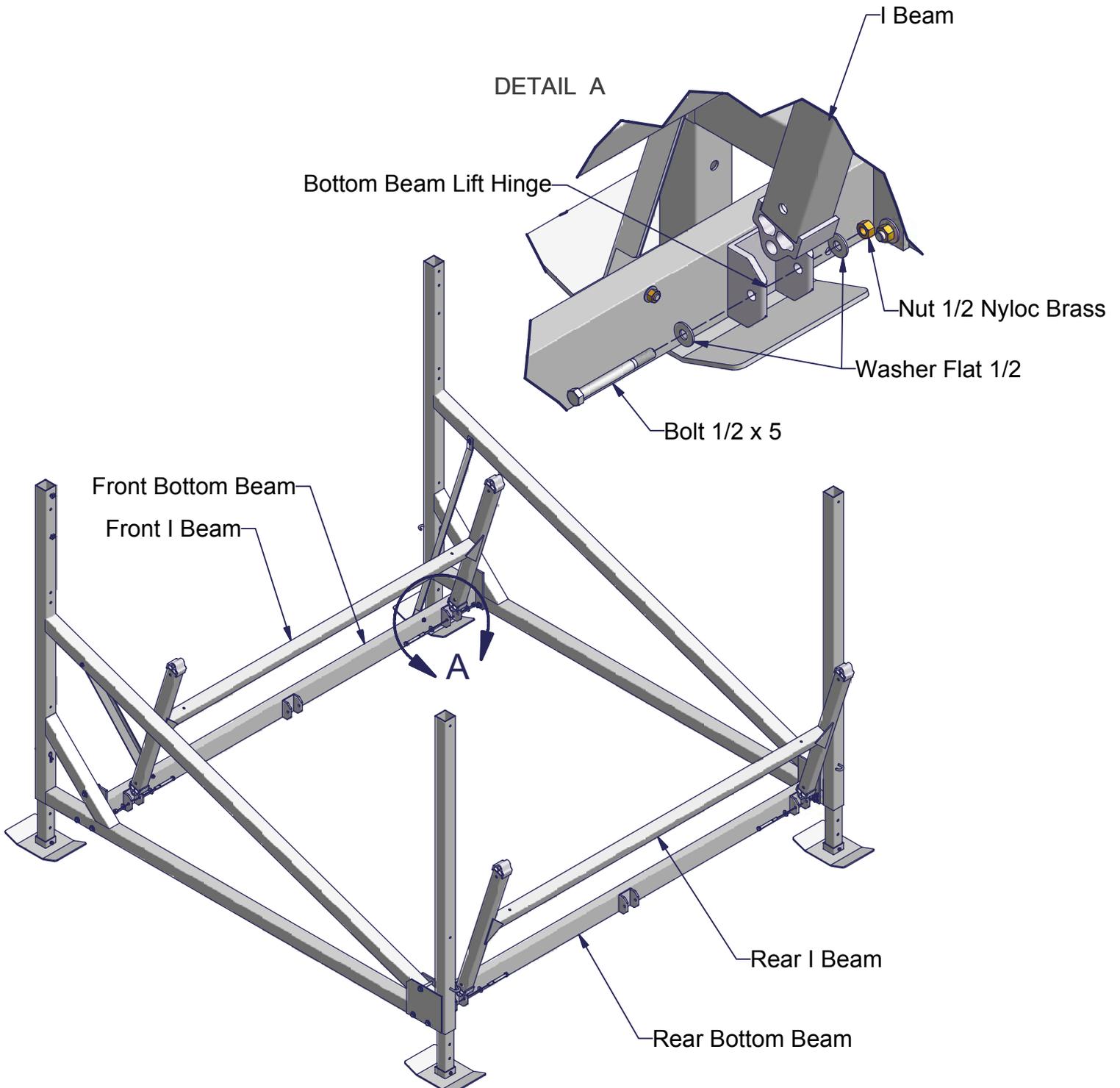
# STEP 4

Attach the Front I Beam to one Front Bottom Beam Lift Hinge with one Bolt 1/2 x 5, two Washers Flat 1/2 and one Nut 1/2 Nyloc Brass in two places - as shown.

Attach the Rear I Beam to one Rear Bottom Beam Lift Hinge with Bolt 1/2 x 5, two Washers Flat 1/2 and one Nut 1/2 Nyloc Brass in two places - as shown.

**Note:** The Front I Beam is narrower than the Rear I Beam.

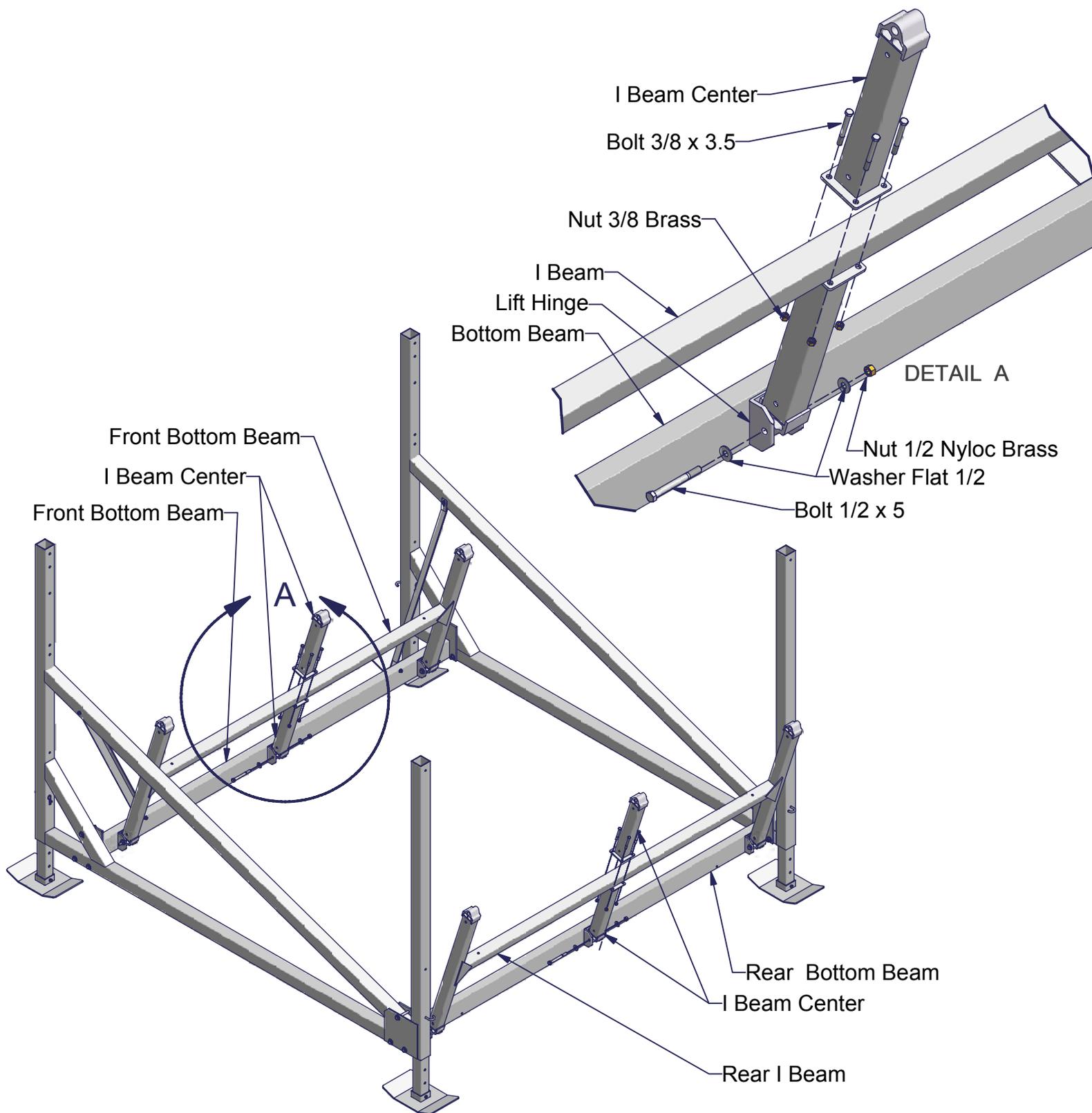
**Note:** Do not overtighten Nyloc Nuts. Do not reuse Nyloc Nuts. If a Nyloc Nut is removed it must be replaced with a new Nyloc Nut.



# STEP 5

Attach one I Beam Center to the middle Lift Hinge of the Front and Rear Bottom Beams. Secure with one Bolt 1/2 x 5, two Washers Flat 1/2 and one Nut 1/2 Nyloc Brass in each place - as shown in Detail "A."

Attach one I Beam Center to each I Beam. Secure I Beam Centers together with four Bolts 3/8 x 3.5 and four Nuts 3/8 Brass so they straddle the I Beam - as shown in Detail "A."

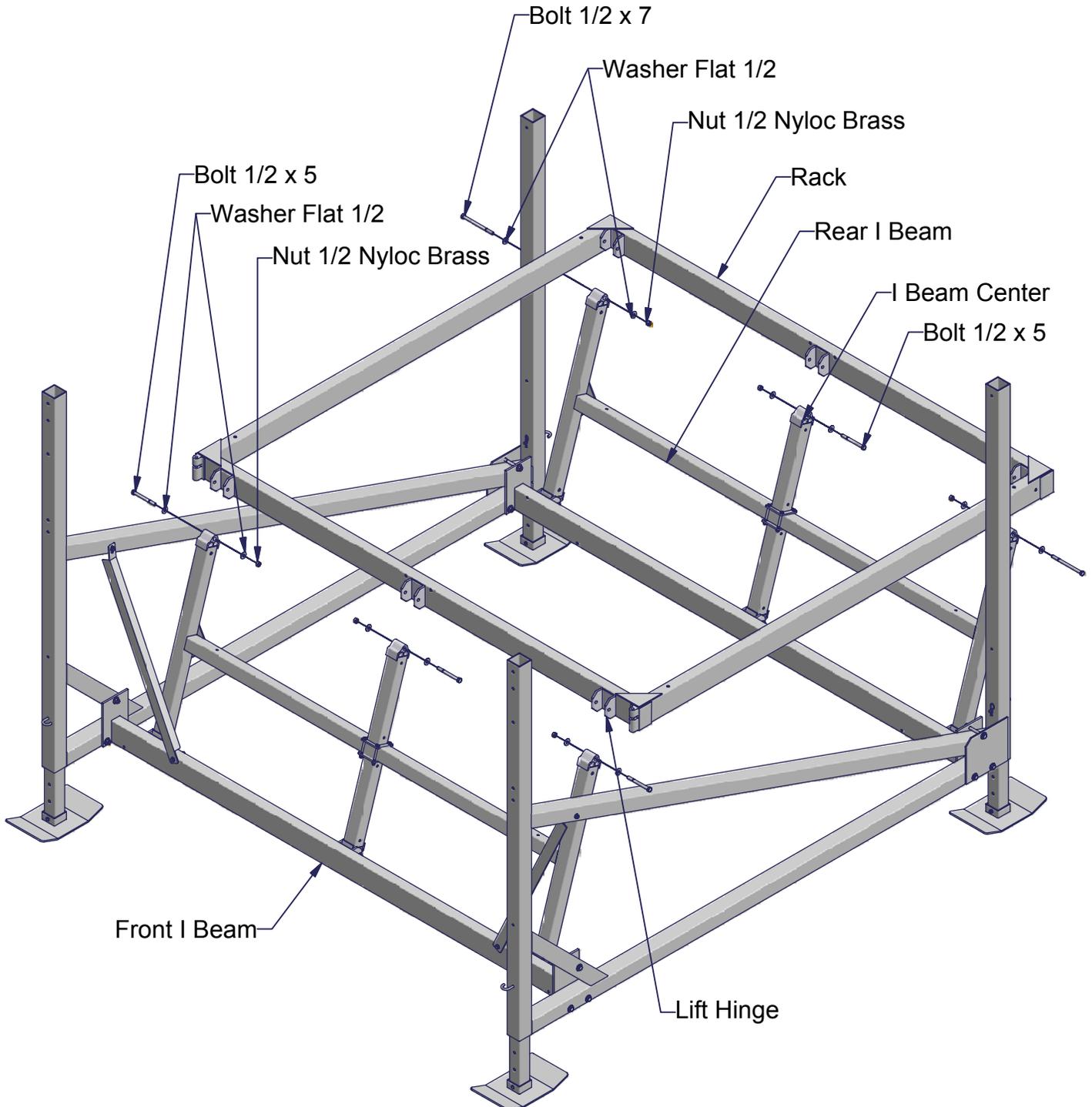


# STEP 6

Attach the Rack to the Front I Beam with one Bolt 1/2 x 5, two Washers Flat 1/2 and one Nut 1/2 Nyloc Brass connecting the Rack Lift Hinge to the I Beam in three places - as shown.

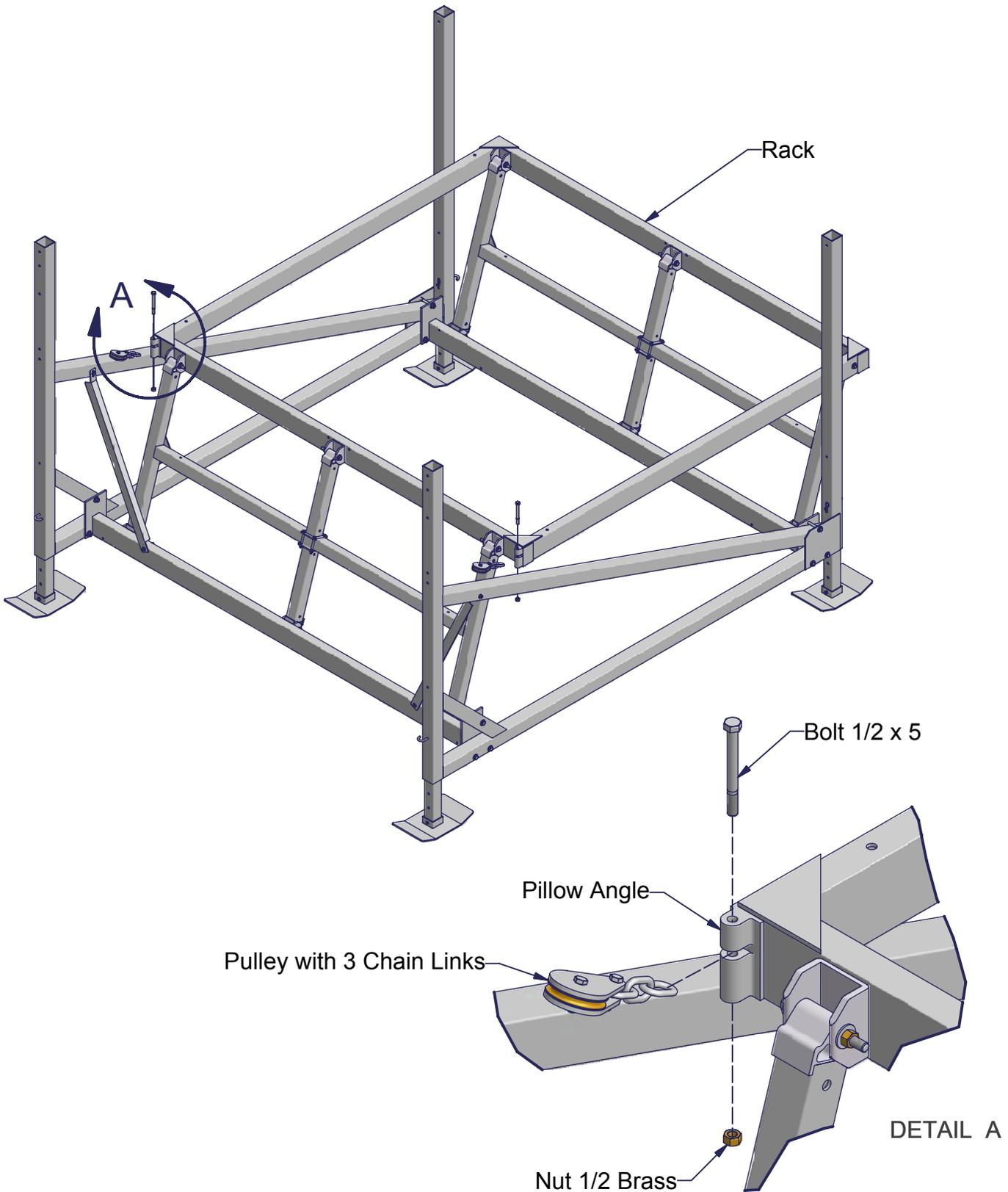
Attach the Rack to the Rear I Beam with one Bolt 1/2 x 7, two Washers Flat 1/2 and one Nut 1/2 Nyloc Brass connecting the outside Rack Lift Hinge to the I Beam in two places - as shown. Secure the middle Rack Lift Hinge to the I Beam Center with one Bolt 1/2 x 5 - as shown.

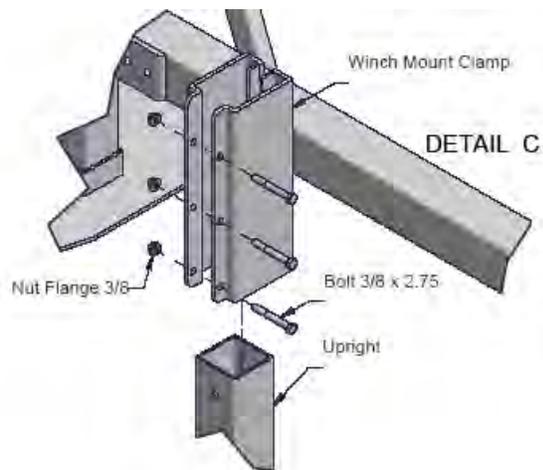
**Note:** The Lift Hinges should face forward - as shown.



# STEP 7

Attach one Pulley with 3 Chain Links to one of the Rack Pillow Angles with one Bolt 1/2 x 5 and one Nut 1/2 Brass in two places - as shown in Detail "A."





## STEP 8

Slide Winch Mount onto Lift Side Winch Upright with the bolt holes facing the front of the lift. Secure Winch Mount by using three Bolts 3/8 x 2.75 and three Nuts Flange 3/8 - as shown in Detail "C."

The Winch Mount is attached to the Lift Side Winch Upright that is 12" longer than the three other Uprights, and the top should be flush with the top of Lift Side Winch Upright.

**Note:** On the 3000 Lifts with the Silent Brake Winch, this step must be done with the winch installed on the Winch Mount Clamp.

## STEP 9

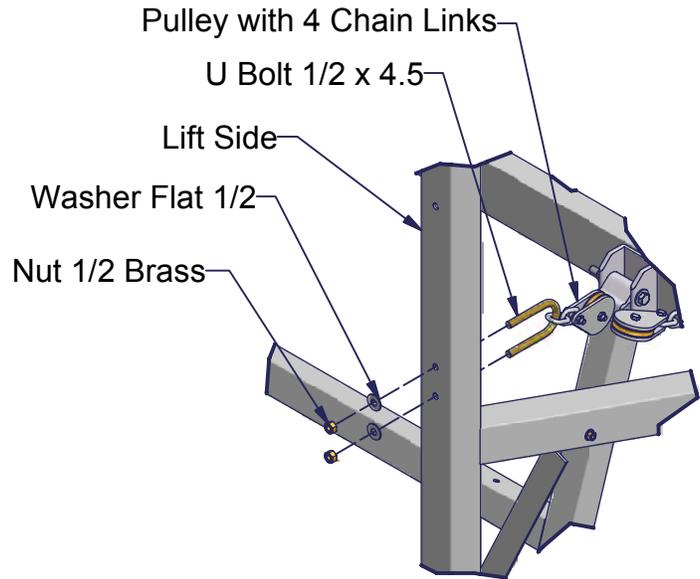
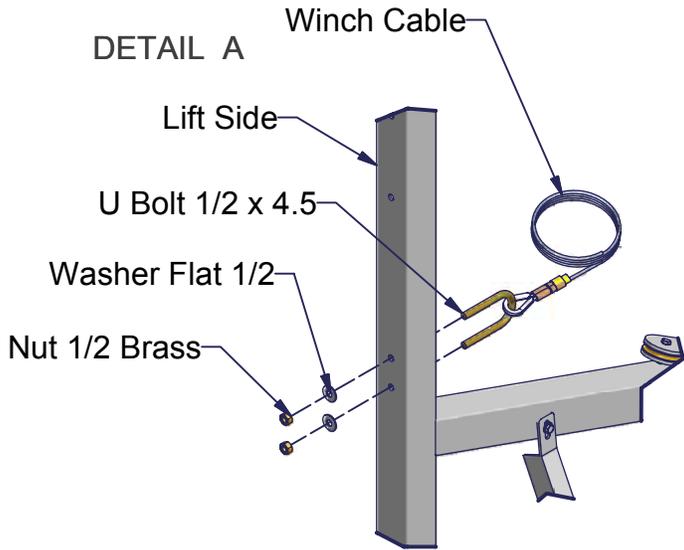
Now firmly tighten all nuts and bolts.

**Note:** Nylon Locking Nuts (Nuts Nyloc) should not be reused, if one is removed it should be replaced with a new one.

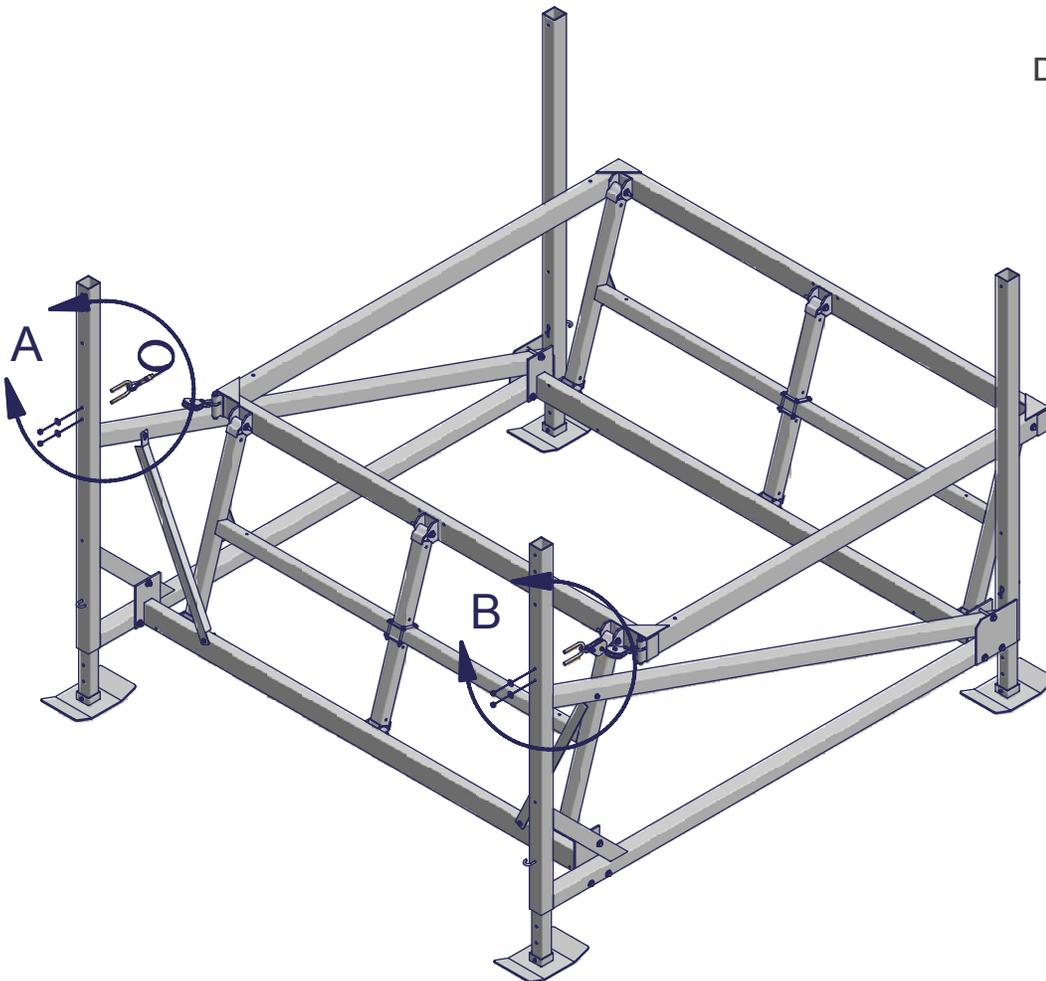
# STEP 10

On the side of the lift that the Winch will be attached slide the Pulley with 4 Chain Links onto a U Bolt 1/2 x 4.5 and insert the U Bolt 1/2 x 4.5 through the holes just above the Lift Side Diagonal. Secure with two Washers Flat 1/2 and two Nuts 1/2 - as shown in Detail "A."

On the opposite side slide the Winch Cable onto a U Bolt 1/2 x 4.5 and insert the U Bolt 1/2 x 4.5 through the holes just above the Lift Side Diagonal. Secure with two Washers Flat 1/2 and two Nuts 1/2 - as shown in Detail "B."



DETAIL B

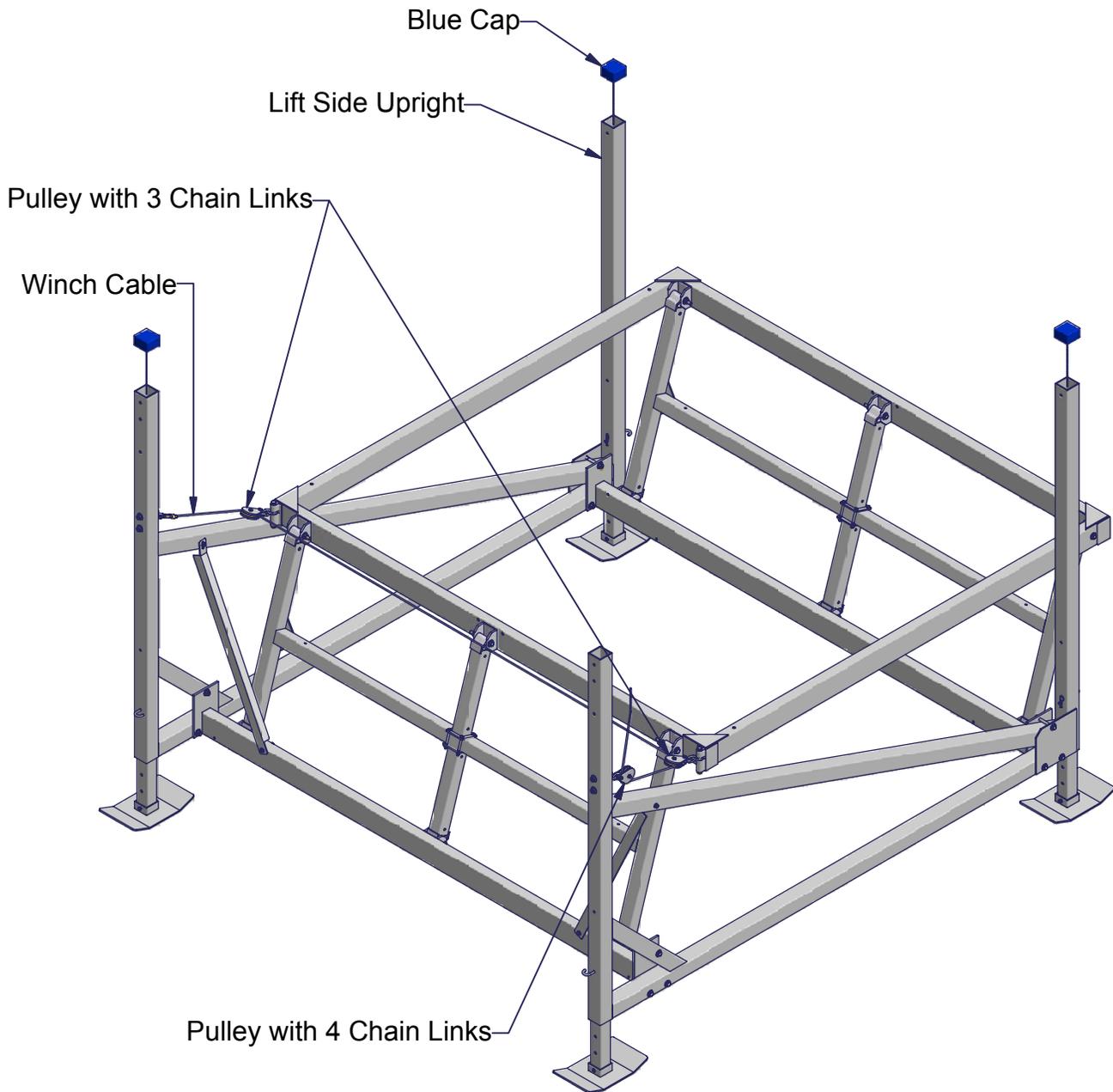


# STEP 11

Route the Winch Cable through the two Pulleys with 3 Chain Links and the one Pulley with 4 Chain Links - as shown.

**Note:** Wear leather gloves while handling the Winch Cable.

Place one Blue Cap in all four Lift Side Uprights.



**Note:** This lift requires bunks or "V" rack to be installed prior to use. Instructions for bunks and racks are included separately. See your dealer if you have not yet purchased bunks or racks.

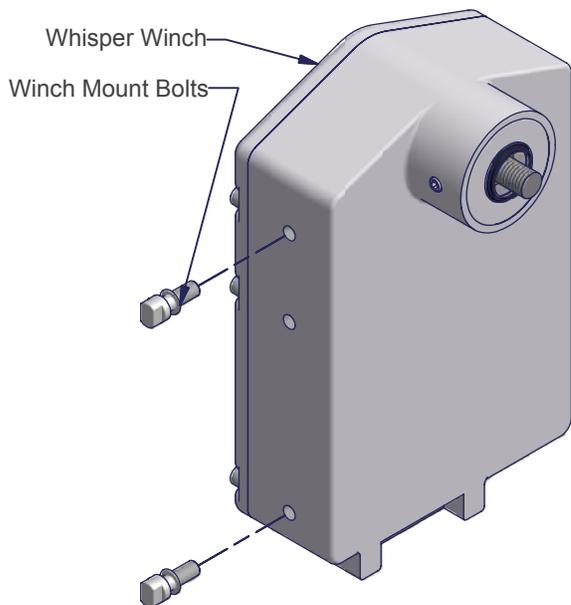
# Whisper Winch Attachment

## Part #: 1004488

Parts List		
QTY	PART NUMBER	DESCRIPTION
2	1000513	Winch Mounting Bolt
2	1000536	Set Screw 3/8 x 3/8

### STEP 1

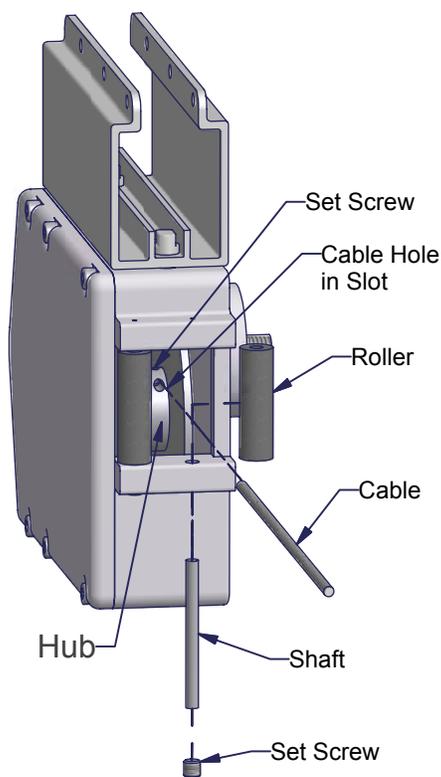
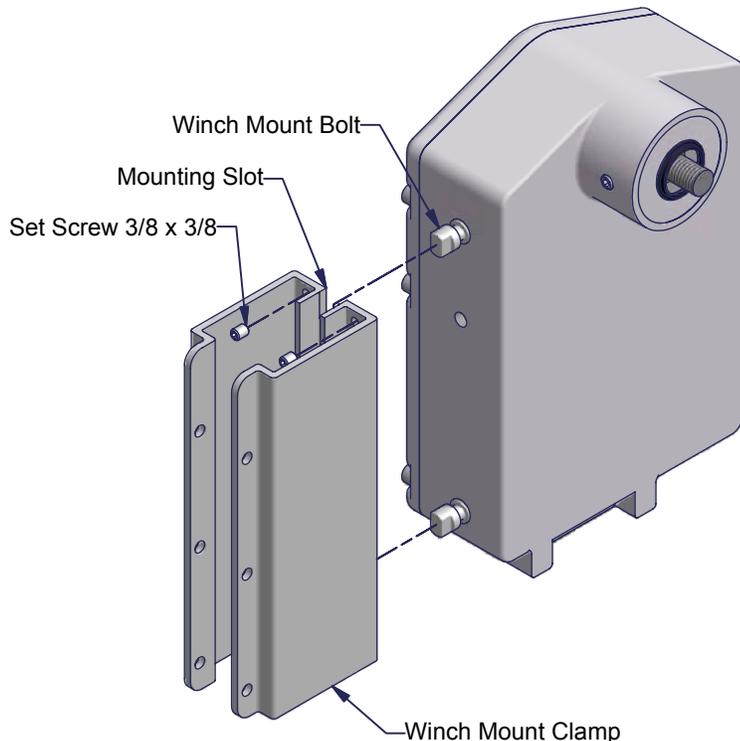
Attach the two Winch Mounting Bolts to the Whisper Winch - as shown.



### STEP 2

Insert the the Winch Mounting Bolts into the Mounting Slots of Winch Mount - as shown.

Thread two Set Screws 3/8 x 3/8 into the holes at the top of the Winch Mount Clamp and tighten against the Whisper Winch, locking it in place - as shown.



### STEP 3

Loosen Set Screw on the side of the Whisper Winch that has the Brake assembly. Remove the Shaft and Roller to access the Hub.

Slide the end of the cable into the Slotted opening on the Hub. Tighten Set Screw using a 5/32" allen wrench to secure the cable to the Hub - as shown.

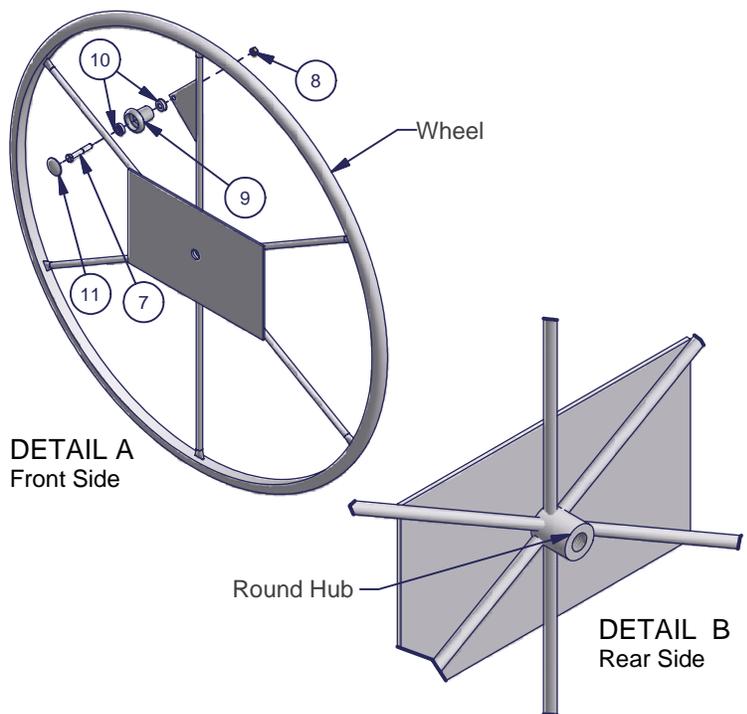
Replace the Roller, Shaft and Set Screw.

**NOTE:** Cable must run between Rollers and 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.

# Wheel Kit & Spinner Knob Instructions

## Part #: 1004493

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	1002608	Washer Flat 5/16
2	1	1006016	Washer Aluminum 1 1/8
3	1	1000442	Bolt Nyloc 5/16 x 1.25
5	1	1000515	MH Spacer .75x.69 Alum - Wheel Kit
6	1	1000514	MH Spacer .75x.27 Alum - Wheel Kit
7	1	1002429	Bolt 3/8 x 2.25
8	1	1001805	Nut Nyloc 3/8
-	1	1002277	Spinner Knob, Bearings and Cap
9	1	----	Knob Handle
10	2	----	Knob Bearing
11	1	----	Knob Cap



### Assembly:

Pound two Knob Bearings into Knob Handle. Attach Knob Handle with Bearings to the Wheel on the front side - as shown. Secure with one Bolt 3/8 x 2.25 and one Nut Nyloc 3/8. Set Knob Cap into the open face of the Knob Handle and tap with a hammer to indent slightly.

Thread the Wheel clockwise on to shaft of the Winch. You must thread wheel all the way on winch shaft. The wheel hub must be fully against brake pad. Cut a small hole in the middle of the wheel, where the wheel sticker covers the attaching bolt hole.

Prior to securing wheel in place using the Bolt 5/16 x 1 Nyloc, stack a Spacer and/or up to six 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.

**Note:** Small Spacer is for the Whisper Winch, Large Spacer is for the Winch 3000.

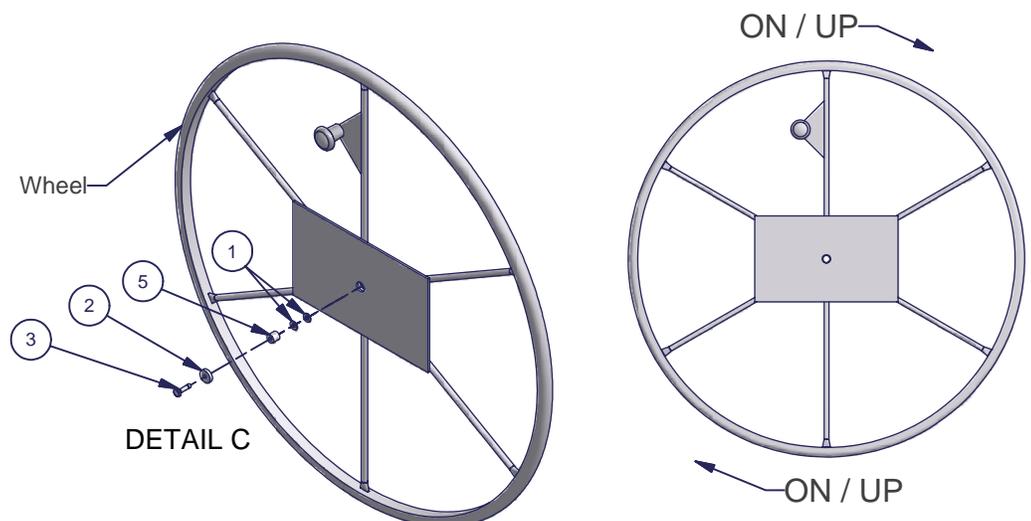
Once the correct number of Washers has been determined, secure the wheel in place using the Washer Flat Aluminum 1 1/8 and the Bolt 5/16 x 1 Nyloc - as shown in Detail "C."

**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 Aluminum 1 1/8.

Thread excess cable onto winch hub by turning wheel clockwise. Be sure cable wraps tight and uniformly on hub with each strand lying snugly 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.



# 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

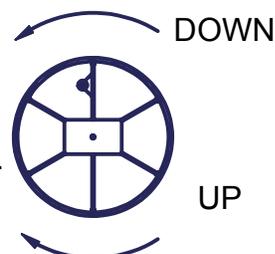
Be sure the lift rack and cradles or bunks are positioned below the water surface so they will not interfere with the boat floating into position.

## 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. A clicking sound is heard when properly raising 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. 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

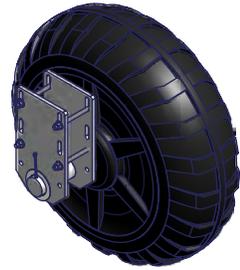
1. Inspect nuts and bolts for damage, wear or loose connections. Tighten or replace parts as needed.
2. Inspect lift frame, pulleys, winch and pivot points for unusual wear, damage or bent parts. Replace or repair as needed.
3. Lubricate winch and wheel threads. Do not get lubricant on brakepads! Brake will fail and wheel will spin down if brake pads are lubricated.
4. Check and lubricate pulleys to ensure that they are turning freely.
5. Check U 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.

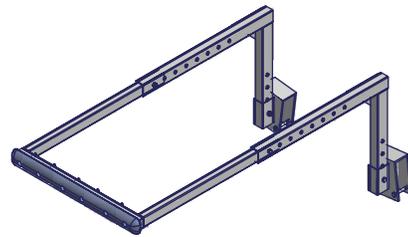
# LIFT ACCESSORIES



FULL LENGTH GUIDE  
ALUM/ CARPETED WOOD  
P/N - LAFULLGDE



UNIVERSAL LIFT  
WHEEL CADDY  
P/N - LAUNICADD



MOTOR STOP  
P/N - LAADJSTOP



FULL LENGTH ALUM/  
VINYL BUNKS  
11' P/N - LAFULLBNK  
14' P/N - LAFUL50BK



GUIDE ONS - 53"  
W/ BLUE VINYL  
P/N - LAGDEON53