

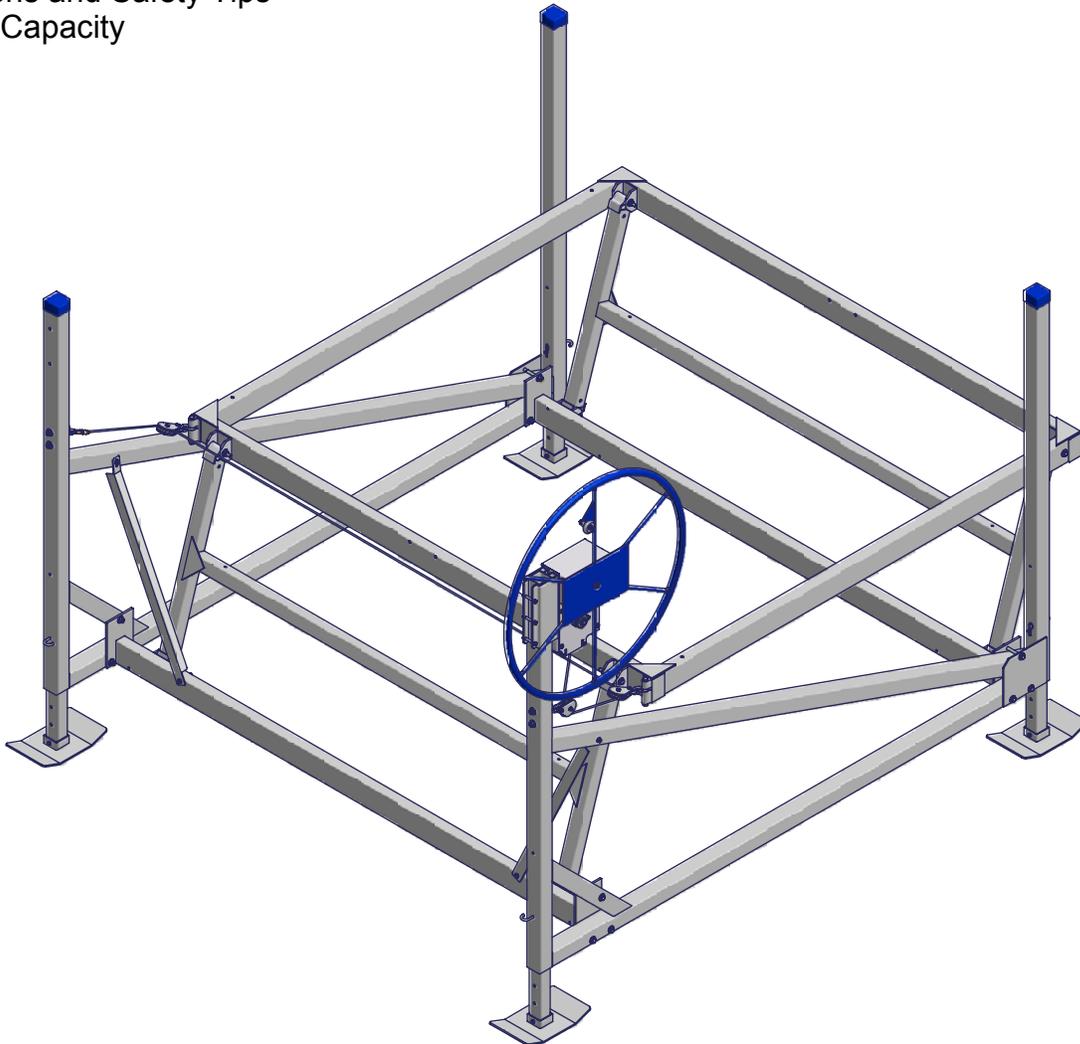


www.shoremaster.com

4000# Cantilever Lift:

Instructions and Safety Tips

4000 lb. Capacity

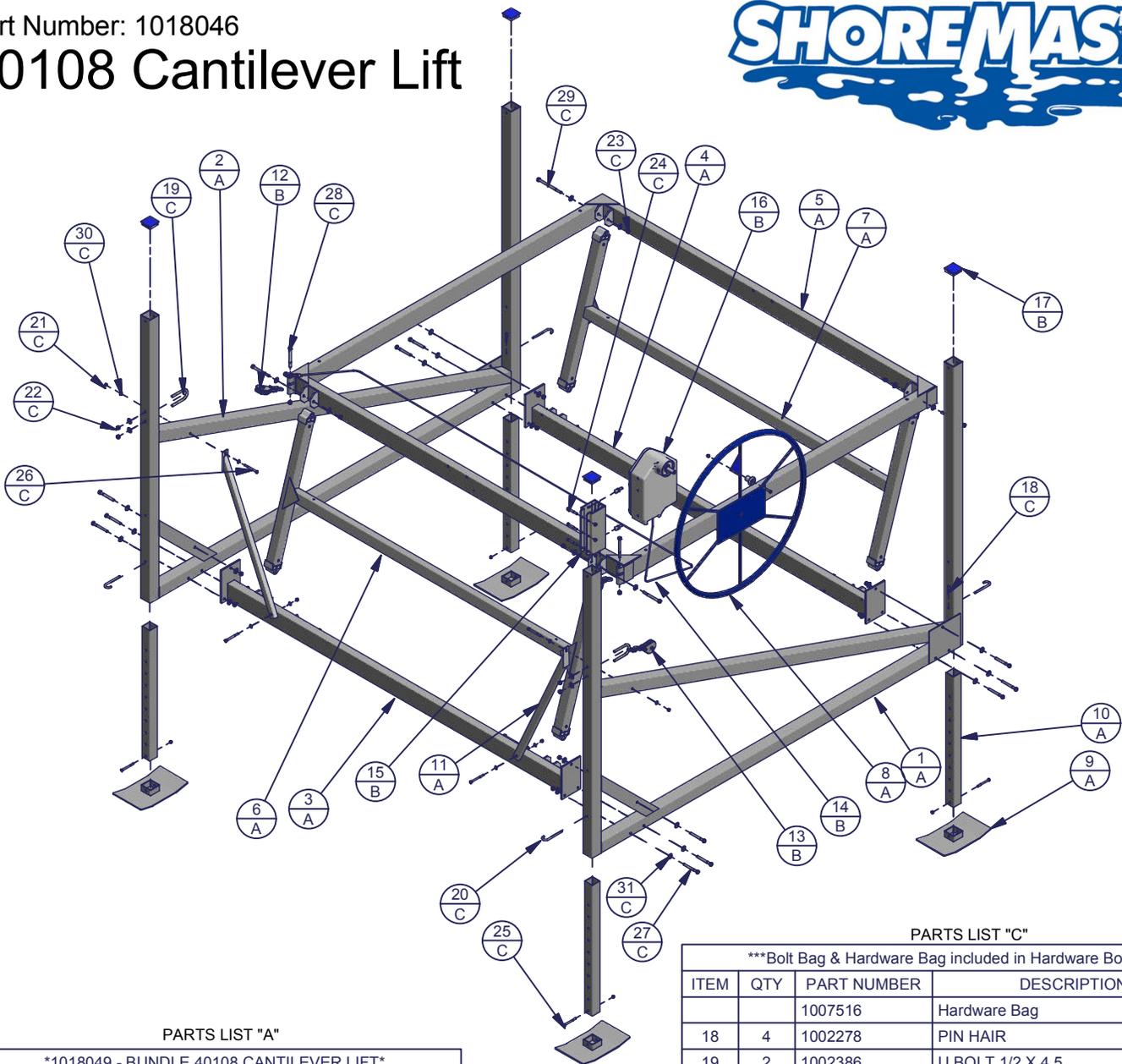


CAUTION - PUT SAFETY FIRST

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.

Part Number: 1018046

40108 Cantilever Lift



PARTS LIST "A"

1018049 - BUNDLE 40108 CANTILEVER LIFT			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1007268	LIFT SIDE LEFT
2	1	1007269	LIFT SIDE RIGHT
3	1	1007273	FRONT BOTTOM BEAM
4	1	1007274	REAR BOTTOM BEAM
5	1	1007267	RACK
6	1	1007315	FRONT I BEAM
7	1	1007317	REAR I BEAM
8	1	1005409	I-BEAM BUSHING (4/I-BEAM)
8	1	1007201	WHEEL LARGE
9	4	1007404	FOOT PAD - C
10	4	1003944	LEG POST - C
11	2	1017650	LIFT SUPPORT BRACE

PARTS LIST "C"

Bolt Bag & Hardware Bag included in Hardware Box			
ITEM	QTY	PART NUMBER	DESCRIPTION
		1007516	Hardware Bag
18	4	1002278	PIN HAIR
19	2	1002386	U BOLT 1/2 X 4.5
20	4	1002600	PIN 3/8 X 3 29/32
		1018058	Bolt Bag
21	11	1001803	NUT 3/8 BRASS
22	18	1001792	NUT 1/2 BRASS
23	8	1001795	NUT 1/2 NYLOC BRASS
24	3	1002431	BOLT 3/8 X 2.75
25	4	1002434	BOLT 3/8 X 3.5
26	4	1002437	BOLT 3/8 X 3.75
27	12	1002387	BOLT 1/2 X 4.25
28	8	1002388	BOLT 1/2 X 5
29	2	1002393	BOLT 1/2 X 7
30	8	1002599	WASHER FLAT 3/8
31	44	1002565	WASHER FLAT 1/2

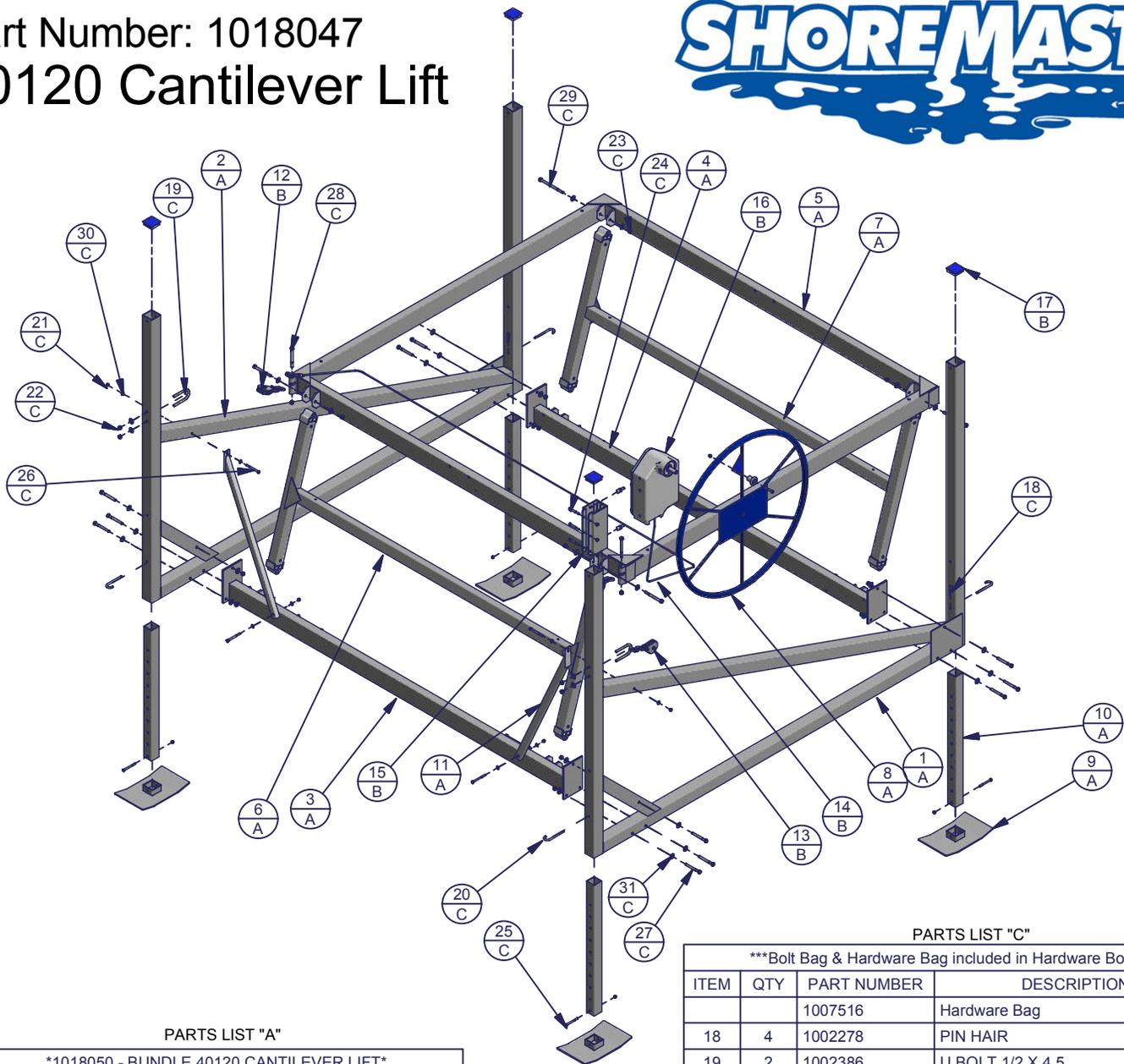
PARTS LIST "B"

1018052 - HARDWARE BOX 40108			
ITEM	QTY	PART NUMBER	DESCRIPTION
12	2	1007248	Pulley 3.0 w/3 Link Chain
13	1	1024417	Pulley 3.0 w/4 Link Chain
14	1	1007678	WINCH CABLE
15	1	1001791	WINCH MOUNT
16	1	1015521	Whisper Winch Model 141
17	4	1001034	Press-In Cap
18	1	1004488	Hardware Bag Whisper Winch

PULLEY PARTS

ITEM	QTY	PART NUMBER	DESCRIPTION
	3	1007249	PULLEY BRASS LESS CHAIN
	2	1003489	PULLEY SIDE PLATE (ALUM)
	2	1007626	SHEAVE INSERT (STEEL)
	1	1002367	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 8 GALV.

Part Number: 1018047 40120 Cantilever Lift



PARTS LIST "A"

1018050 - BUNDLE 40120 CANTILEVER LIFT			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1007268	LIFT SIDE LEFT
2	1	1007269	LIFT SIDE RIGHT
3	1	1007271	FRONT BOTTOM BEAM
4	1	1007272	REAR BOTTOM BEAM
5	1	1007270	RACK
6	1	1007315	FRONT I BEAM
7	1	1007317	REAR I BEAM
7.1	8	1005409	I-BEAM BUSHING (4/I-BEAM)
8	1	1007201	WHEEL LARGE
9	4	1007404	FOOT PAD - C
10	4	1003944	LEG POST - C
11	2	1017650	LIFT SUPPORT BRACE

PARTS LIST "B"

1018053 - HARDWARE BOX 40120			
ITEM	QTY	PART NUMBER	DESCRIPTION
12	2	1007248	Pulley 3.0 w/3 Link Chain
13	1	1024417	Pulley 3.0 w/4 Link Chain
14	1	1007679	WINCH CABLE
15	1	1001791	WINCH MOUNT
16	1	1015521	Whisper Winch Model 141
17	4	1001034	Press-In Cap
18	1	1004488	Hardware Bag Whisper Winch

PARTS LIST "C"

Bolt Bag & Hardware Bag included in Hardware Box			
ITEM	QTY	PART NUMBER	DESCRIPTION
		1007516	Hardware Bag
18	4	1002278	PIN HAIR
19	2	1002386	U BOLT 1/2 X 4.5
20	4	1002600	PIN 3/8 X 3 29/32
		1018058	Bolt Bag
21	11	1001803	NUT 3/8 BRASS
22	18	1001792	NUT 1/2 BRASS
23	8	1001795	NUT 1/2 NYLOC BRASS
24	3	1002431	BOLT 3/8 X 2.75
25	4	1002434	BOLT 3/8 X 3.5
26	4	1002437	BOLT 3/8 X 3.75
27	12	1002387	BOLT 1/2 X 4.25
28	8	1002388	BOLT 1/2 X 5
29	2	1002393	BOLT 1/2 X 7
30	8	1002599	WASHER FLAT 3/8
31	44	1002565	WASHER FLAT 1/2

PULLEY PARTS

ITEM	QTY	PART NUMBER	DESCRIPTION
	3	1007249	PULLEY BRASS LESS CHAIN
	2	1003489	PULLEY SIDE PLATE (ALUM)
	2	1007626	SHEAVE INSERT (STEEL)
	1	1002367	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 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.

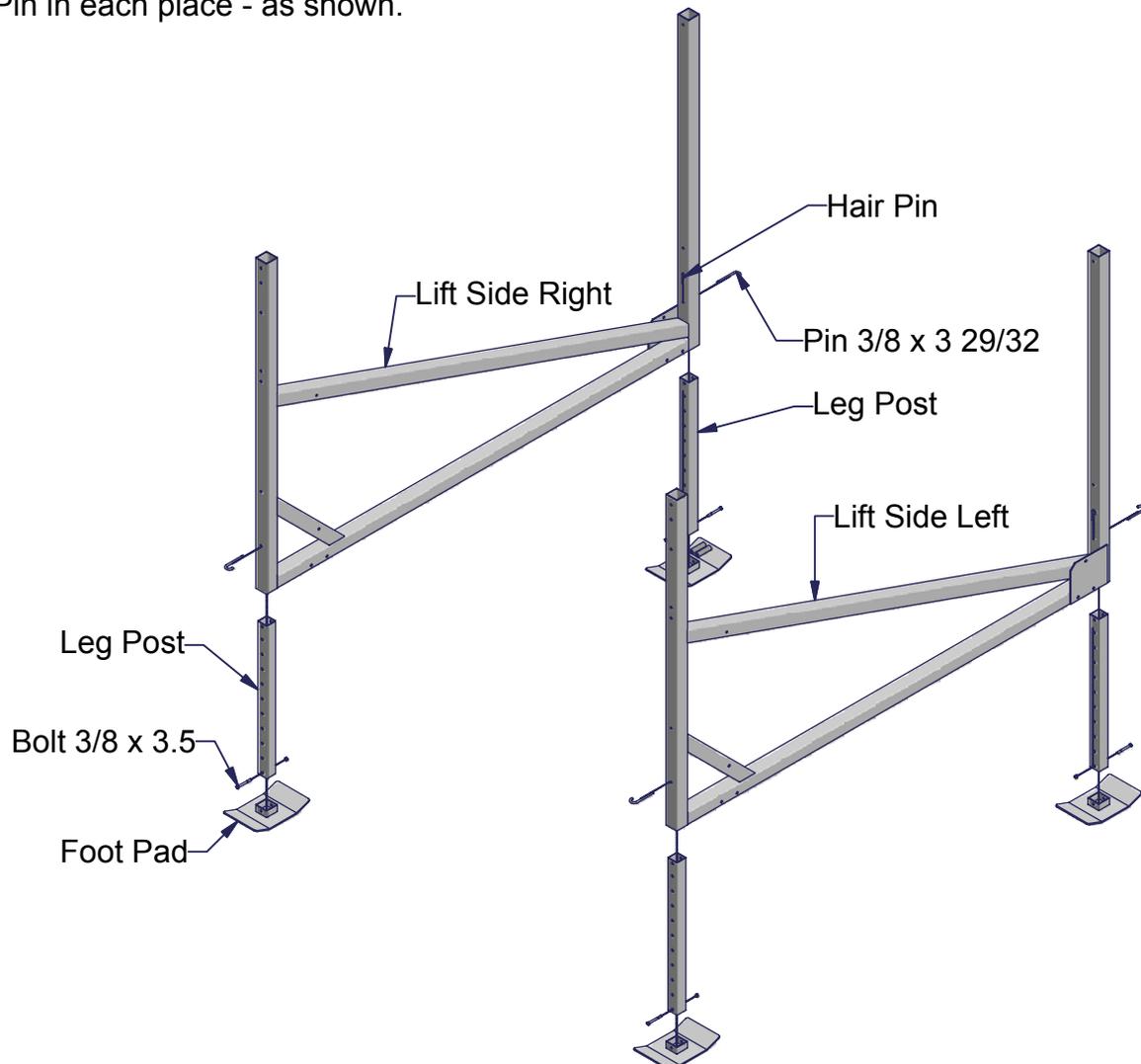
For ease of assembly find a flat area with plenty of room to assemble lift. The following tools will be needed for assembling lift:

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" and 5/16" Allen Wrenches (or 5mm and 8mm)

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.

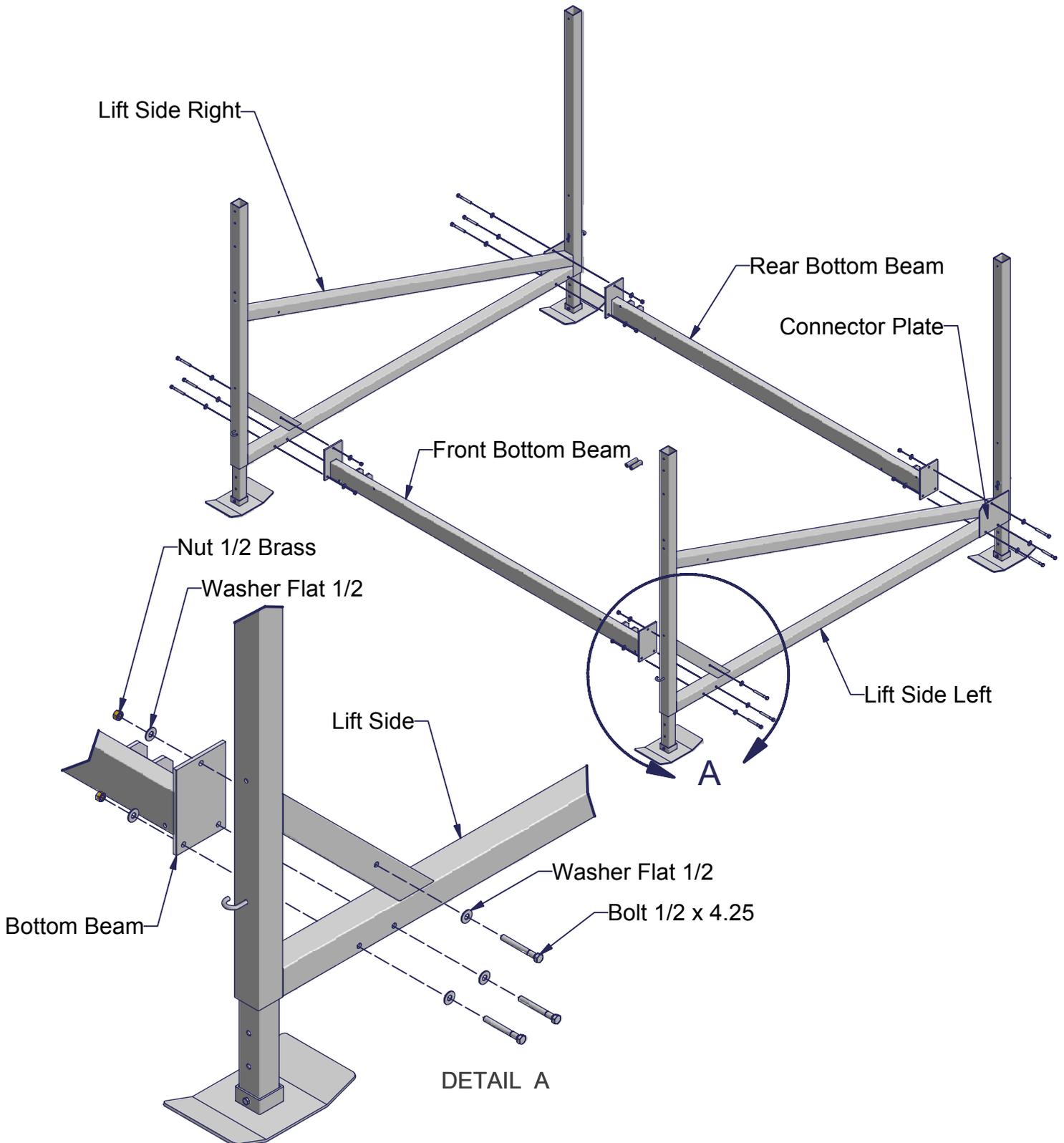


STEP 2

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.

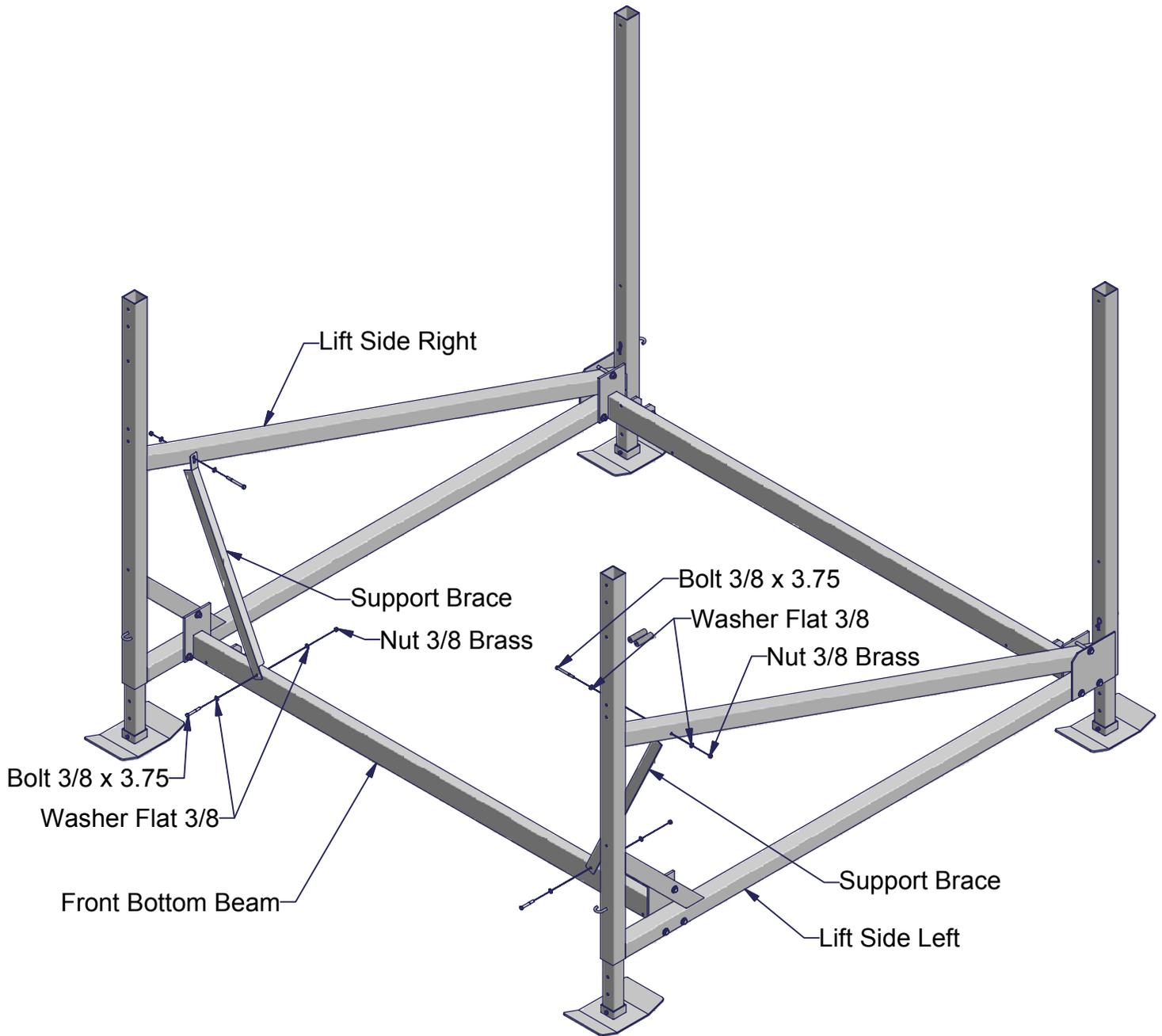


STEP 3

Attach the Support Braces to the Lift Side Left and 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.



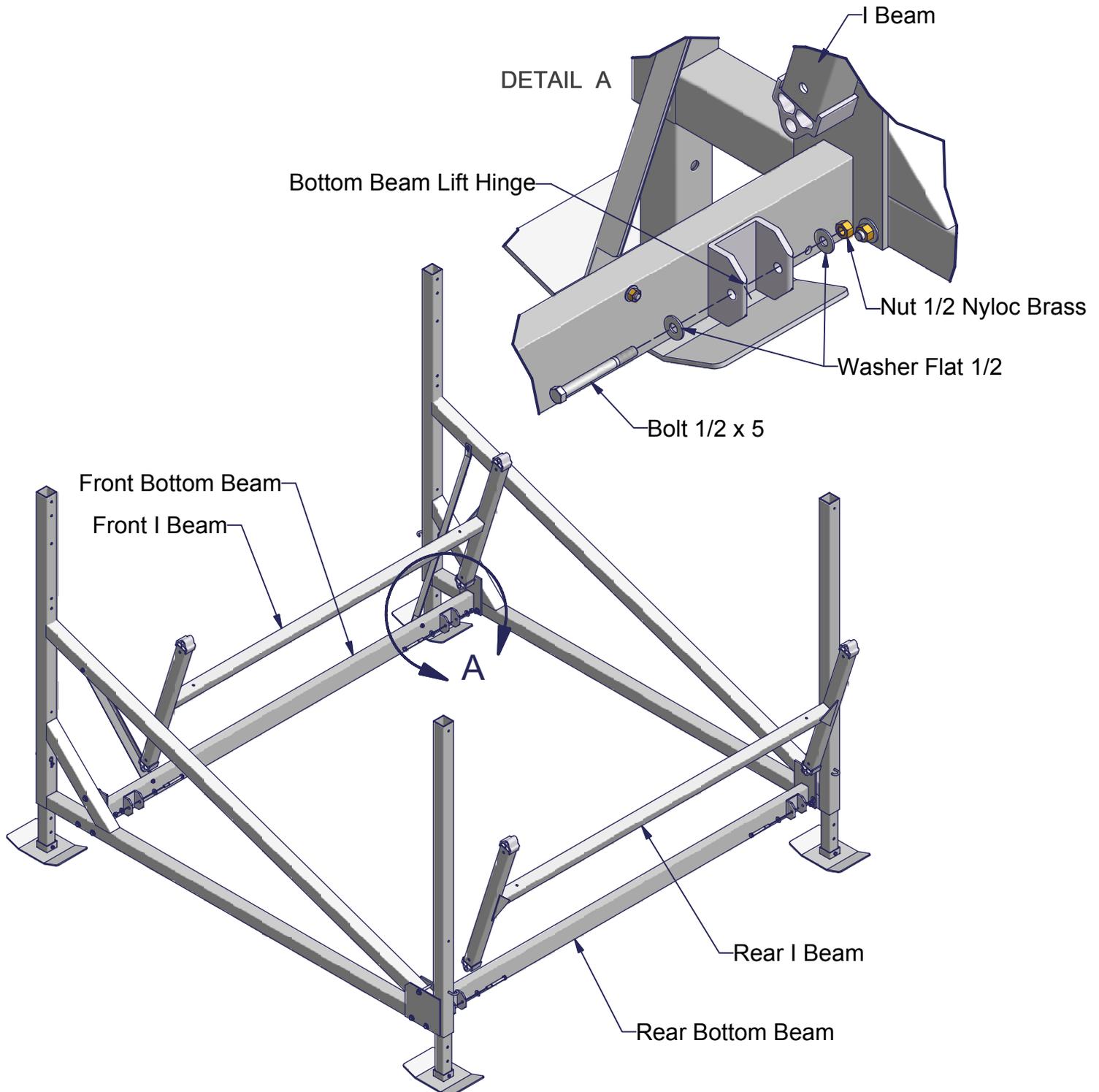
STEP 4

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.

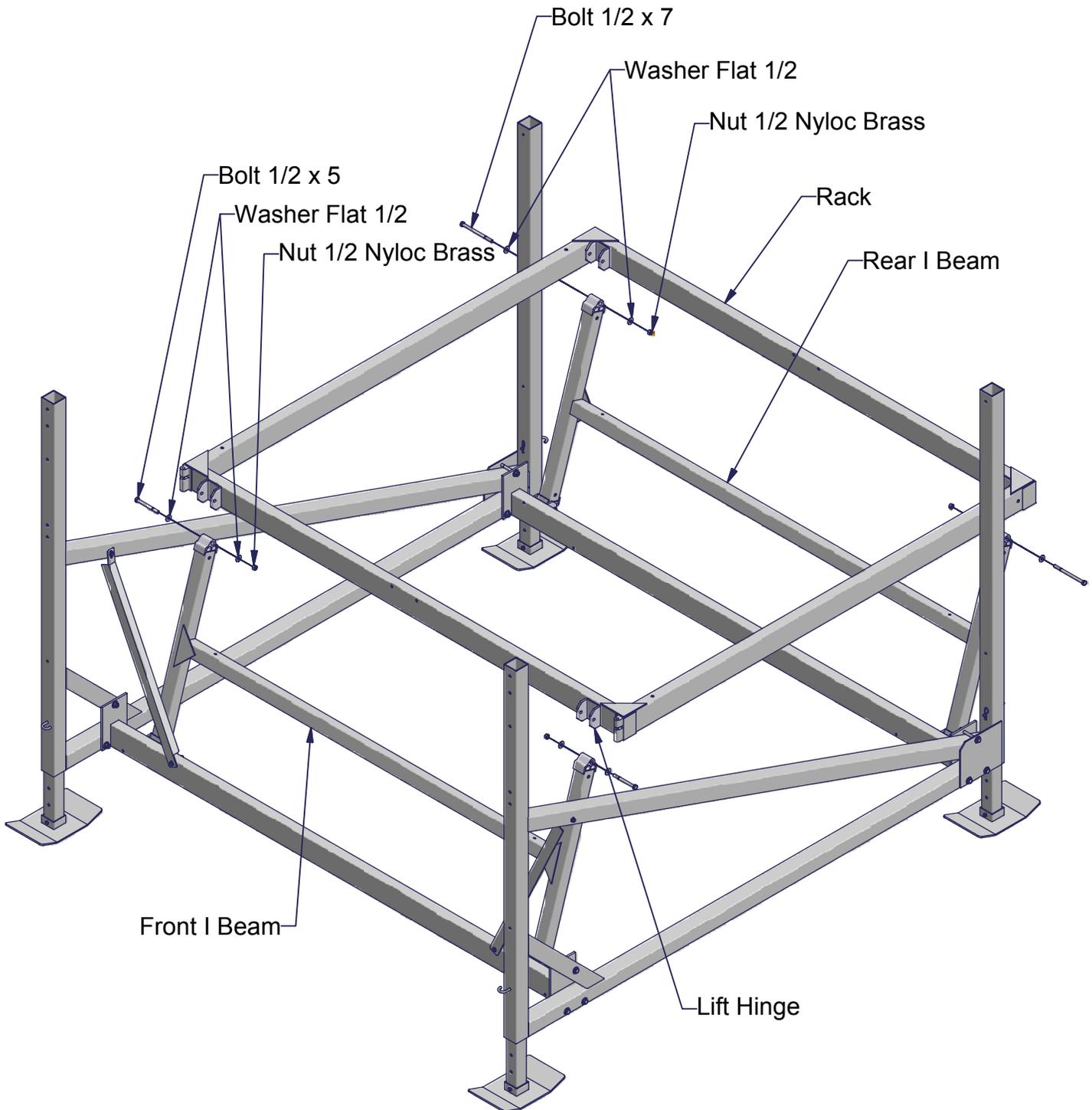


STEP 5

Attach 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 two places - as shown.

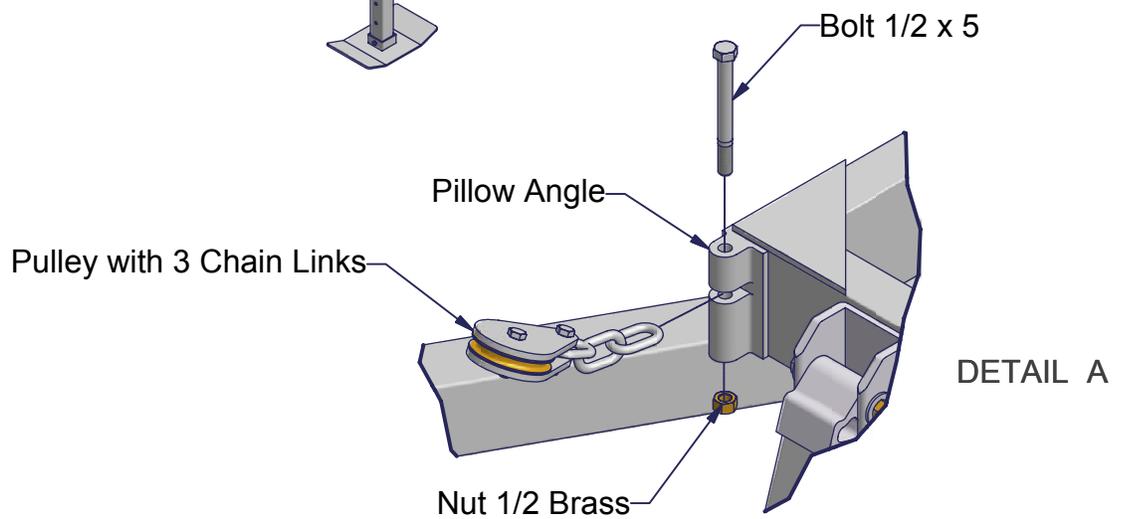
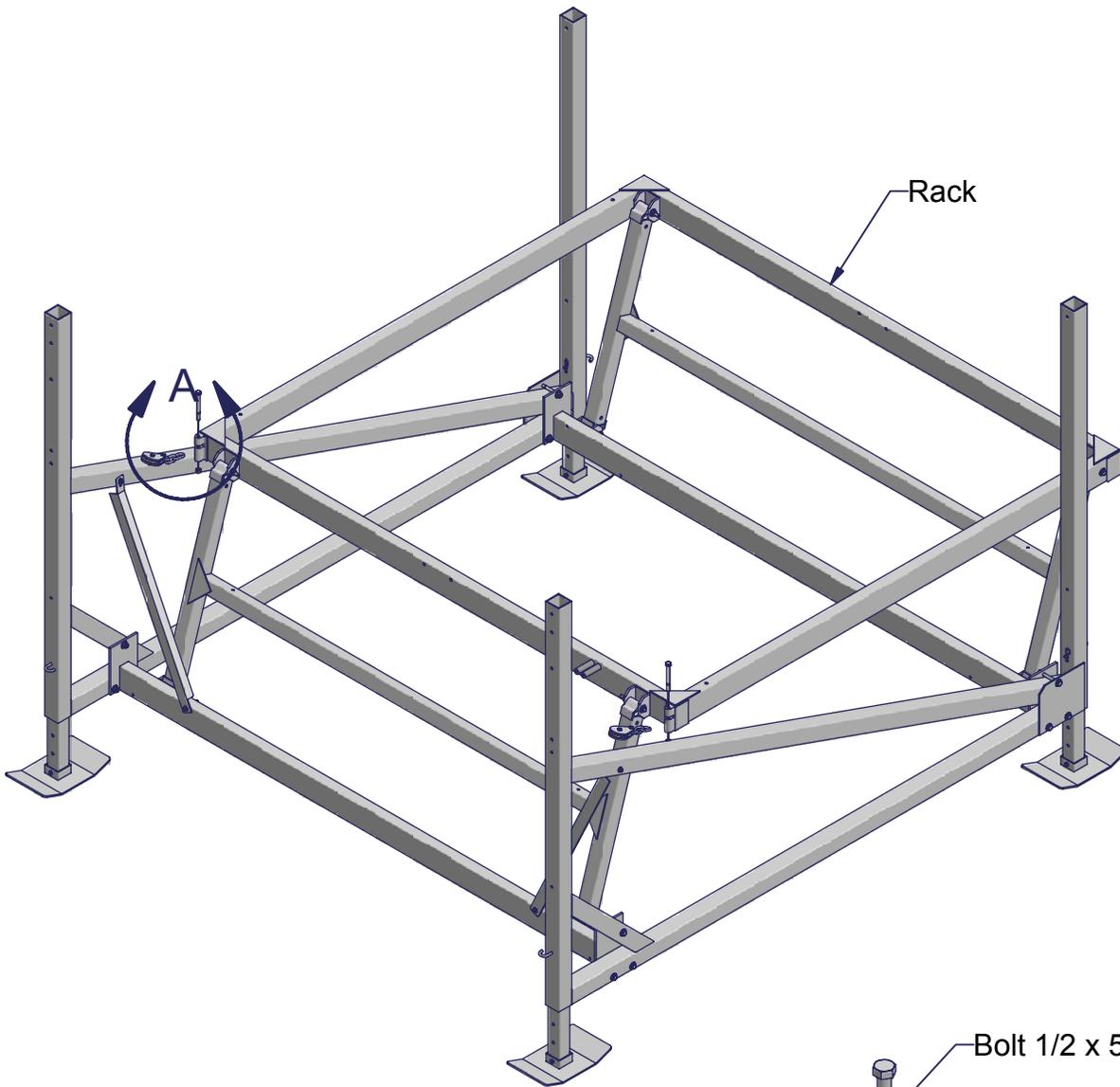
Attach the Rack to the Rear I Beam with one Bolt 1/2 x 7, two Washers Flat 1/2 and one Nut 1/2 Nyloc Brass connecting the Rack Lift Hinge to the I Beam in two places - as shown.

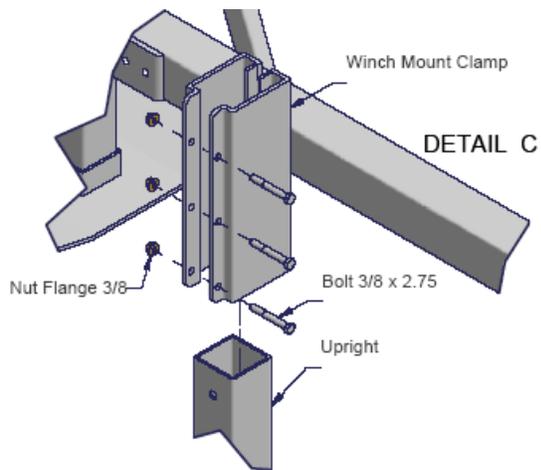
Note: The Lift Hinges should face forward - as shown.



STEP 6

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 7

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 8

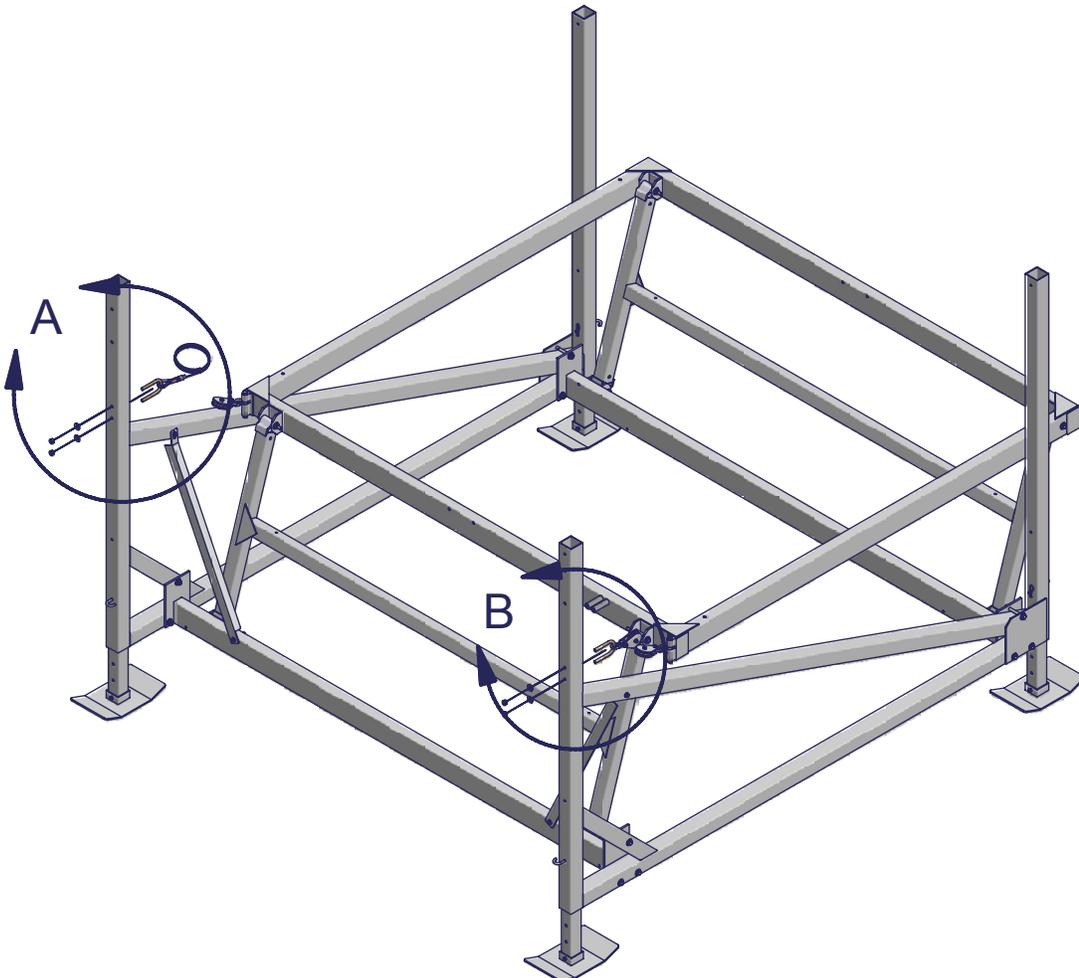
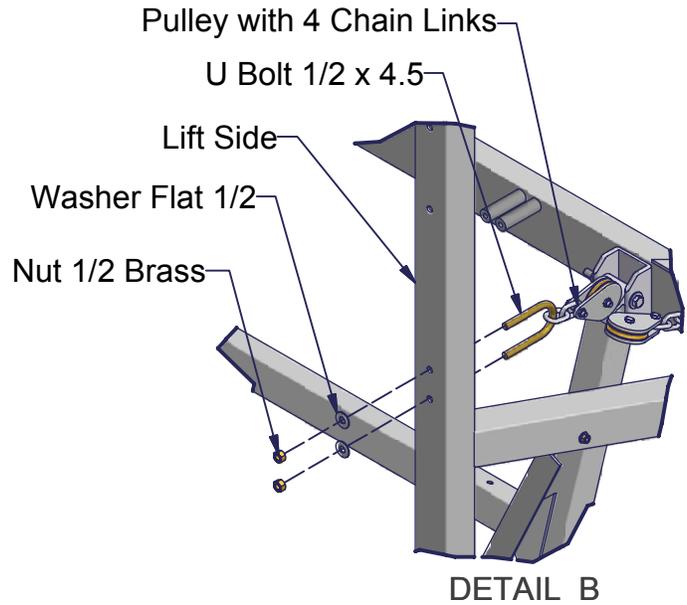
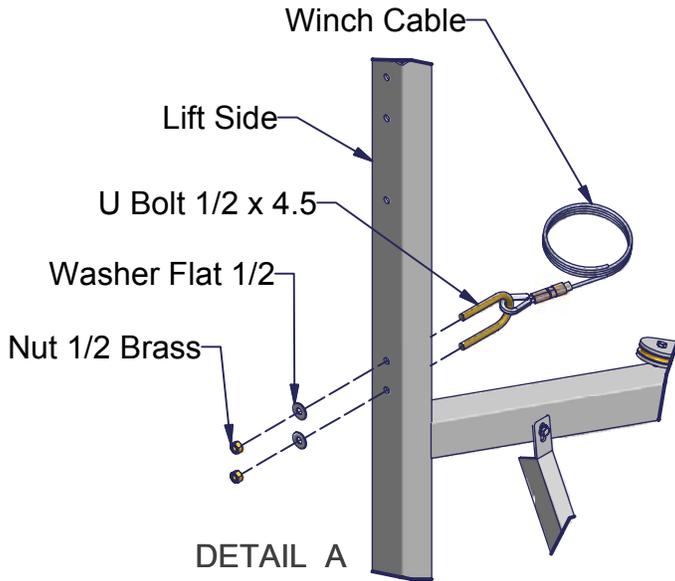
Now firmly tighten all nuts and bolts.

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

STEP 9

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."



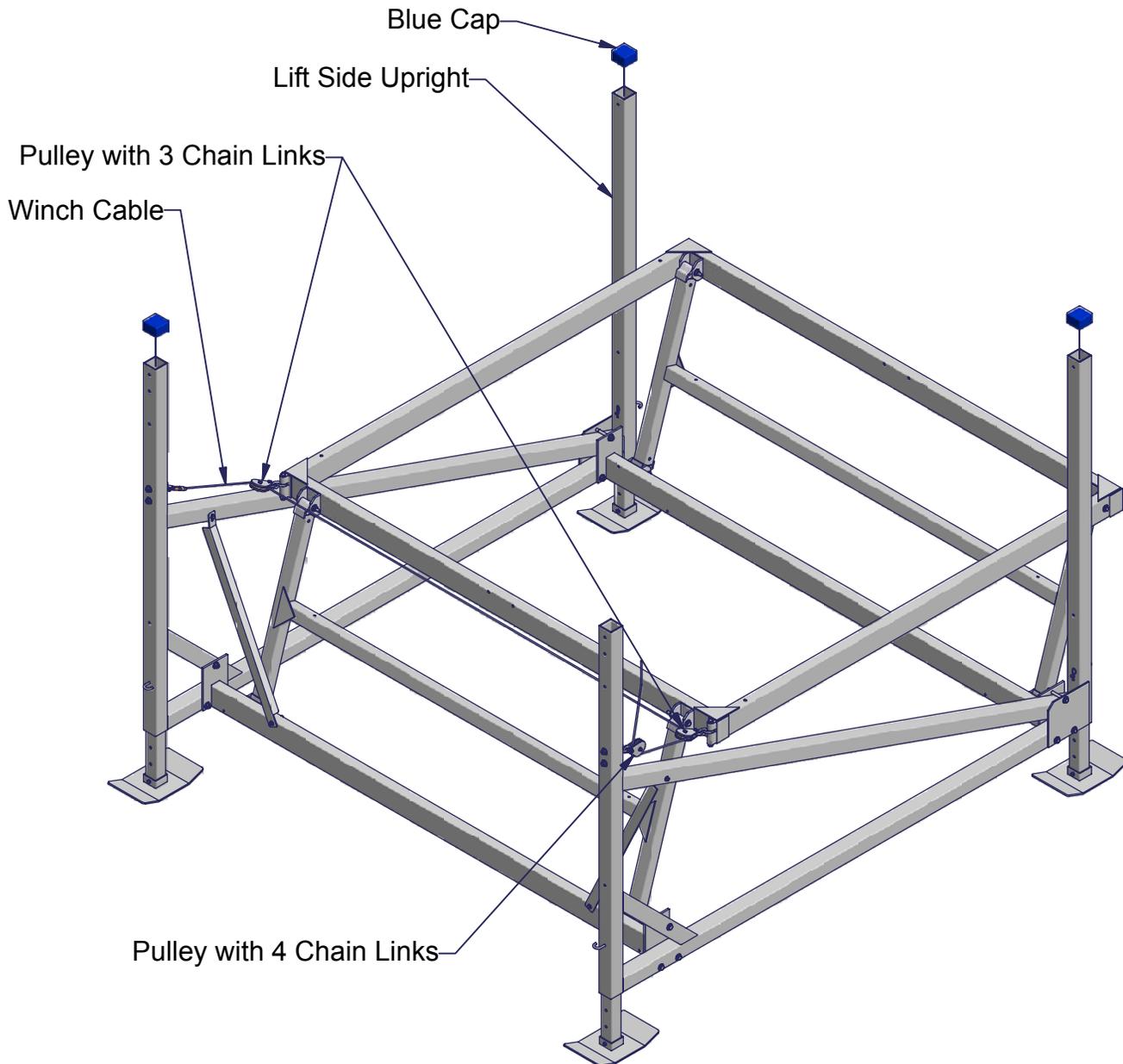
STEP 10

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 on three of the four Lift Side Uprights.

Note: Do not Place a Blue Cap on the Upright that the Winch will be attached - as shown.



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.

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

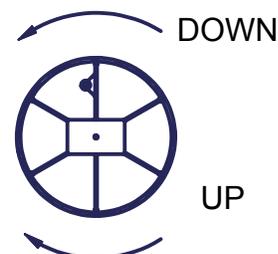
Be sure the lift rack and cradles or bunks are positioned below the water surface so they will not interfere with the boat floating into position.

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. 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.