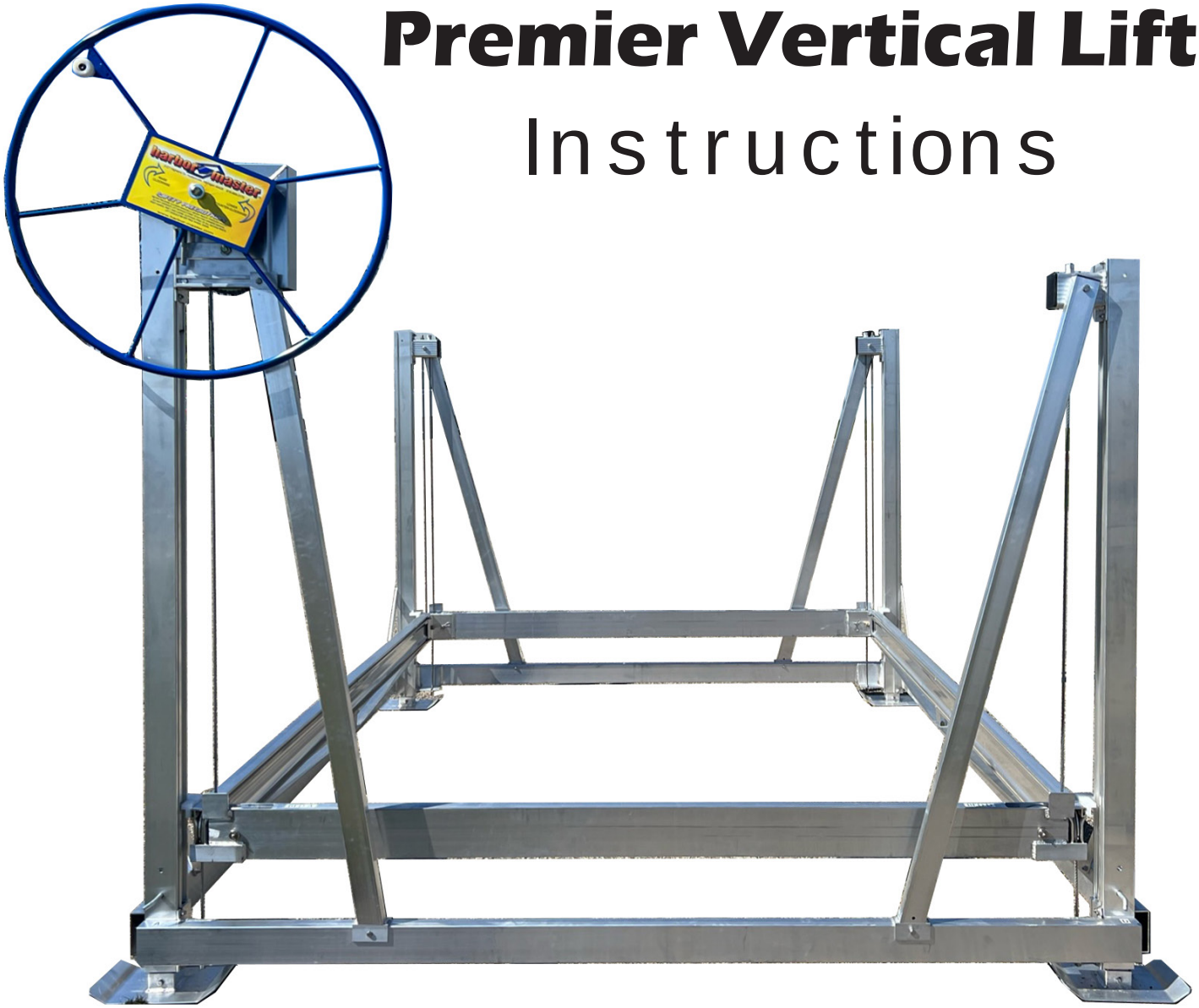
# Premier Vertical Lift

## Instructions



### Step 1: Upright posts
8- 3/8” x 1” carriage bolts SS
8- 3/8” flange nuts

### Step 2: Footpads and Legs
4- 3/8” x 3-1/2” bolts SS
4- 3/8” flange nuts
4- Long leg pins
4- hair pin clips SS

### Step 3: Winch mount
2- 3/8” x 1” carriage bolts SS
2- 3/8” flange nuts

### Step 4 and 5: Base tubes
16- 3/8” x 1” carriage bolts SS
16- 3/8” flange nuts

### Step 6: Cable mount brackets
6- 3/8” x 1” carriage bolts SS
6- 3/8” flange nuts

### Step 7: V braces
4- 3/8” x 2-3/4” bolts SS
1- 3/8” x 1-1/2” bolts SS
3- 1/2” x 6” bolts SS
5- 3/8” flange nuts
3- 1/2” aluminum nuts

### Step 8: Bed and cables
8- 3/8” x 1” carriage bolts SS
8- 3/8” flange nuts

### Step 9: Cable mounts
4- 5/16” x 1” carriage bolts SS
4- 5/16” flange nuts
10- 5/8”-11 aluminum nuts

### Step 10: Flat braces
4- 3/8” x 2-3/4” bolts SS
4- 3/8” x 1” carriage bolts SS
4- 3/8” flange nuts

### Cable Mount Bracket caps
3- 1-1/2” x 3” Black Caps

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## Step 1- The Uprights

Unpackage the bundles. Lay all parts out on a level surface.
Locate the (2) lower side beams. The left lower side beam ends will be labeled A and D. The right lower side beam will be labeled B and C.
Locate the (4) upright posts. Match the labeled uprights with their corresponding corners.


Insert upright A into the A corner. Locate hardware bag (1). Insert the head of (1)3/8” x 1” carriage bolt in the nut channel from the top of the upright. Slide the carriage bolt all the way down until it rests in the slot on the bracket of the side beam. Secure with (1) 3/8” flange nut.

Repeat for the remaining corners and uprights.

Insert the head of (1)3/8” x 1” carriage bolt in the nut channel from the bottom of the upright. Slide the carriage bolt up until it rests in the slot on the bracket of the side beam. Secure with (1) 3/8” flange nut.

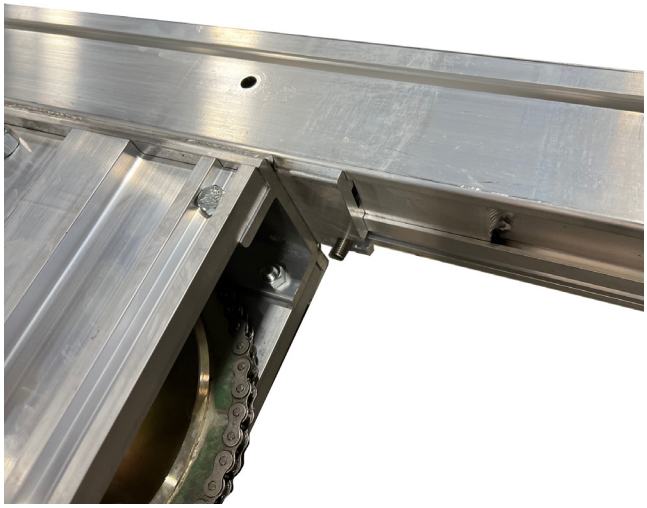
Repeat for the remaining corners and uprights.

## Step 2 - The Leveling Legs

Locate the (4) leveling leg posts and the (4) foot pads.
Insert the legs in to the foot pads and secure with 3/8” x 3-1/2” bolt and 3/8” flange nut.
Insert legs into the upright posts on each corner. Secure with leg pin and clip. Leave the legs in the bottom hole for assembly purposes. Do this on all 4 corners.

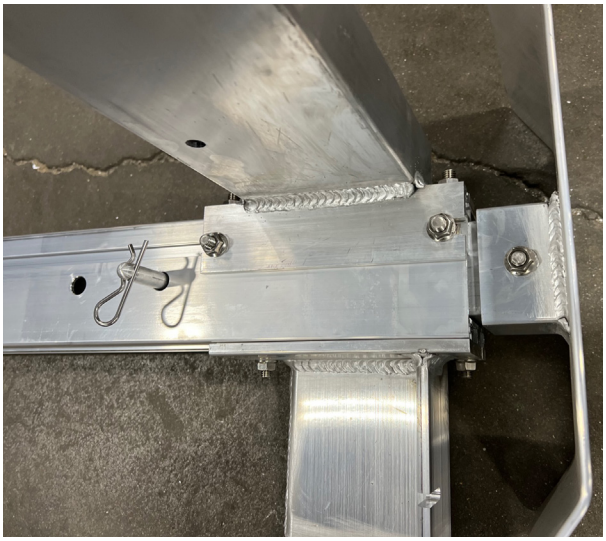
## Step 3- Attaching the Winch

On upright A, slide (1) 3/8” x 1” carriage bolt in the nut channel. Slide the winch box over upright A. The winch will stop on a plate welded in the slot.
HINT: WD-40 might help the winch slide on the post easier.
Slide the carriage bolt up into the slot in the winch mount and fasten with (1) 3/8” flange nut.
Insert another 3/8” x 1” carriage bolt into the slot on the top of the winch mount and fasten with (1) 3/8” flange nut similar to the bottom of the winch mount.
Tighten the nuts.



## Step 4 - The Front and Rear Base Tubes

Go to corner C. Slide the head of (2) 3/8” x 1” carriage bolts into the slot on the upright post and slide into the slot on the top of the angle of the end of the base tube. The bottom of the angle should line up with the bottom of the upright post. Attach with 3/8” flange nuts and hand tighten. Slide (2) more 3/8” x 1” carriage bolts and 3/8” flange nuts into the bottom slots of the angles.
Go to corner A. Repeat the process to attach the other base tube.



## Step 5- Connecting the frame

Lift up both sides of the frame. The front and rear base tubes will act as a kickstand to keep the frames upright. Place the frames facing each other. They should form a square. Ensure that the labeled ends correspond with the correct corner.
Go to one of the corners that needs to be attached. Insert the 3/8” x 1” carriage bolt heads into the slots of the upright posts and angles just like the other corners. Attach with 3/8” flange nuts. Make sure the bottom of the angles are even with the bottom of the upright posts.
Do the same with the last corner and tighten all the bolts.

## Step 6 - Cable mounting bracket

Locate the (3) cable mounting brackets.
Insert the head of (1) 3/8” x 1” carriage bolt into the outer nut channel on upright B. Hand tighten (1) 3/8” flange nut on the carriage bolt.
Slide (1) cable mounting bracket down the upright. The cable mounting bracket should run parallel with the side beam and is flush with top of the upright post.
Insert (1) 3/8” x 1” carriage bolt into the outer nut channel and into the slot on top of the cable mounting bracket.
Repeat for uprights C and D.

## Step 7 - V braces

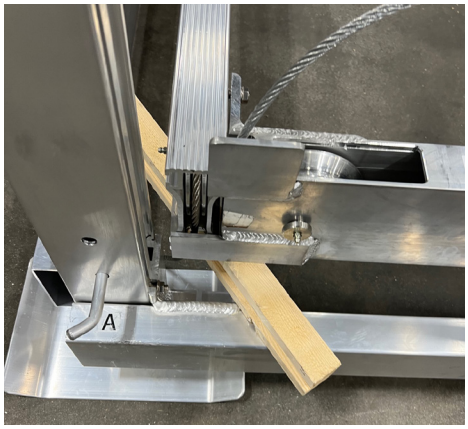
Locate the (4) side frame braces. There are 3 of them that are the same and 1 that is different. The different 1 is for the winch corner.
On the (3) similar side frame braces, line up (1) brace with the hole on the outside of the cable mounting bracket. Secure the top of the brace by inserting (1)1/2” x 6” bolt through the tubes. Fasten with 1/2” nut.
Fasten the bottom angle to the side frame bottom tube with (1) 3/8” x 2 3/4” bolt. Attach 3/8” flange nut and tighten.
Fasten the winch V brace to the winch with (1) 3/8” x 1” bolt and 3/8” flange nut.
Fasten the bottom angle to the bottom side frame tube with (1) 3/8” x 2-3/4” bolt and (1) 3/8” flange nut.

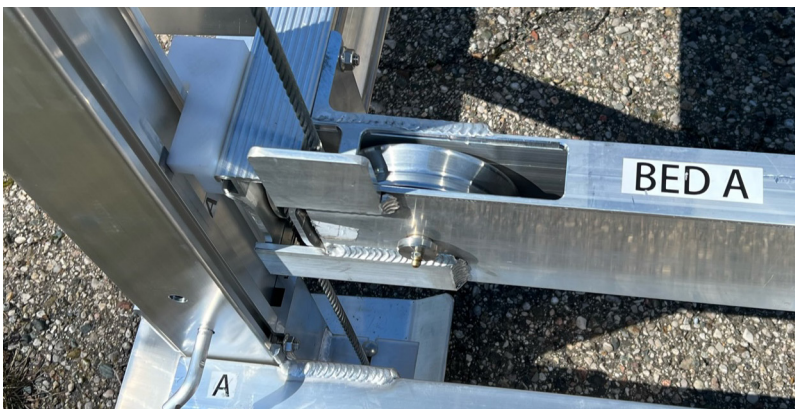
## Step 8 - Bed and Cables

Lay (1) piece of wood diagonally over every corner.

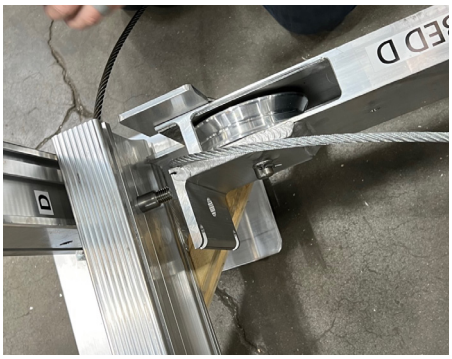
Locate the load tubes labeled A-D and B-C. Lay them inside the frame on top of the wood so they correspond with their labeled corners.
Locate the spreader tubes that correspond with the correct corners (the spreader tubes have the angles welded to the ends). Lay them inside the frame.


On load tube corner A, insert the head of (1) 3/8" x 1" carriage bolt into the top nut channel and bottom nut channel. Repeat for the opposite end or corner D. Also, remove the large nut on the bolt for the pulley in the load tubes that were preset for you. Do not remove the bolt. Repeat for both ends.
For the load tube cables, pull some slack out and place the end of the cable down through the square slot in the bottom of the angle of the spreader tubes.
Pull the slack of the cable from the spreader tubes up around the end of the pulleys and attach the spreader tube A-D to the load tubes (the spreader tubes have the angles welded to the ends). Make sure the cables do not get pinched between the tubes and the angles are pushed all the way to the end of the load tubes. replace the large nut and slide the carriage bolts all the way into the slots of the angles and tighten.


Repeat the spreader tube to load tube connection for corner D.





Move to corner C, insert the head of (1) 3/8" x 1" carriage bolt into the top nut channel and bottom nut channel. Repeat for the opposite end or corner B. Also, remove the large nut on the bolt for the pulley in the load tubes that were preset for you. Do not remove the bolt. Repeat for both ends.
For the load tube cables, pull some slack out and place the end of the cable up through the slot in the top of the load tube.
Pull the slack of the cables from the spreader tubes up around the end of the pulleys and keep them through the square cutouts in the end of the spreader tube. One goes around the top of pulley and out the bottom cutout and the other goes around the bottom of the pulley and out the top cutout. Attach the spreader tube C-B to the load tubes (the spreader tubes have the angles welded to the ends). Make sure the cables do not get pinched between the tubes and the angles are pushed all the way to the end of the load tubes. replace the large nut and slide the carriage bolts all the way into the slots of the angles and tighten.


Repeat steps for corner B.

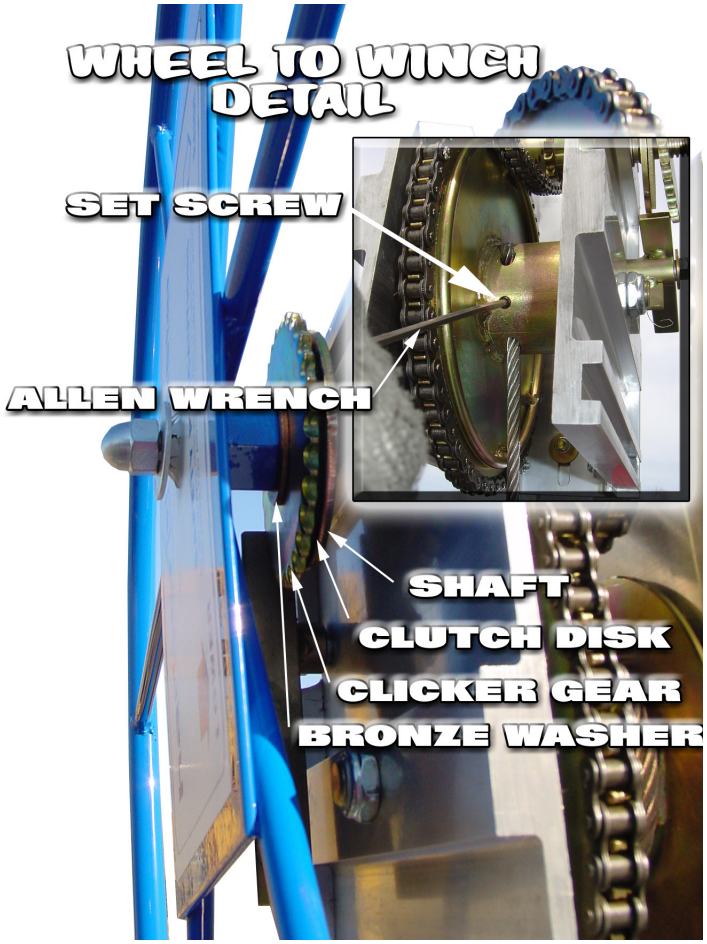

Starting on corner A, take the lower cable and slide it into the slot on the lower angle of the side frame bottom tube. Place (1) 5/16” x 1” carriage bolt in the slot to hold the cable in place. Tighten 5/16” flange nut over the bolt to secure.
Repeat for the remaining 3 corners.

On corner D, insert the winch cable coming up out of the spreader tube into the cable mount and secure with a washer and 2 nuts.

On corners C and B, attach the cables from the load tubes to the outer holes in the cable mounting brackets with washer and double nuts. Attach the spreader tube cables to the inner holes with washer and double nuts.
NOTE: all cables should be snug and not too tight.

## Step 9- Winch cable and wheel mount

Attach winch cable from spreader tube into spool on winch as shown. Using vise grip pliers, hold the chain and attach the wheel to the winch with the clutch disk, gear and thrust washer behind wheel. You can just thread the wheel onto the shaft hand tight. The wheel clutch is self adjusting and will tighten itself as you raise the lift with a load. There will always be a gap between the wheel and the washer on the end of the shaft to make the clutch operate properly. Remove the vise grips and turn the wheel clockwise to raise the lift. You should hear the winch click as you turn the wheel clockwise when raising the lift.
Attach the spinner knob to the wheel with the shoulder bolt and nut.
Raise the bed slightly to make sure all the cables stay tight. You can adjust the cables now to make sure the bed is level and the cables don't have slack in them. Make sure there is always enough threads on the cable studs for the double nuts.




## Step 10- Bracing

Locate the (4) bracing brackets. (1) brace will go on each side of the front and rear frame.
From the top, insert (1) 3/8" x 1" carriage bolt into the inner nut channel. Put the top of (1) brace over the bolt. Secure with (1) 3/8" flange nut. Insert (1) 3/8" x 3-1/2" bolt through the hole in the base tube and through the lower hole in the brace. Use the farthest hole for V bottom boats and the hole closer to the end of the tube if you need the clearance for a pontoon or tritoon boat.

Measure the frame to make sure it is square and tighten all the bolts. Install the bunks and accessories you purchased with the lift.

# GREASE THE 8 GREASE FITTINGS ON THE CORNERS OF THE LIFT WITH A WATERPROOF MARINE GREASE.