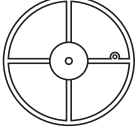




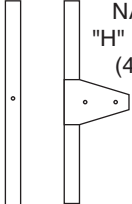
900 LB. (67" X 72") PERSONAL MINI LIFT ASSEMBLY INSTRUCTIONS

LOA09

Before beginning assembly, read instructions completely and check to see that you have the following parts:

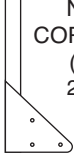


**LWWS
WINCH WHEEL**




**NAM0914
"H" UPRIGHT
(4 per lift)**


2 - Leveling
Legs – LL181
(In hardware bag)




**NAM0906
CORNER POST
(2 per lift)
2 x 2 x 68"**




4 - Bunk Brackets – NAM0930 (In hardware bag)




**NAM0908 45 ANGLE BRACE (2 per lift)
1-1/2 x 1-1/2 x 90"**




**NAM0902 PULL ARM (2 per lift)
1-1/2 x 1-1/2 x 72"**




**NAM0909 FRONT ANGLE BRACE (2 per lift)
1 x 1-1/4 x 35-1/4"**




**NAM0907 LONG BASE (2 per lift)
2 x 2**




**NAM0904 FRONT CROSS BASE (1 per lift)
2 x 2 x 65-7/8"**



**NAM0913 "H" CROSS BAR (2 per lift)
2 x 2 x 66-3/4"**



**NAM0903 BED CROSS BEAM (2 per lift)
2 x 2 x 72"**



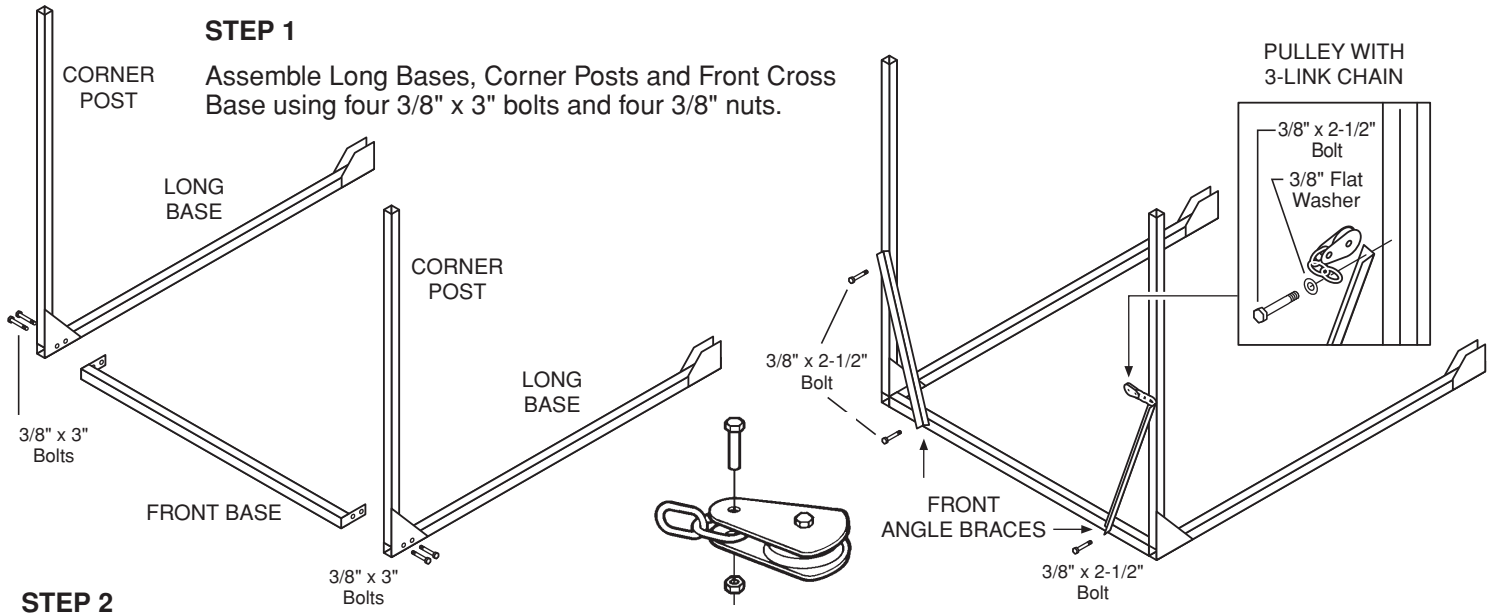
**NAM0910 CARPETED WOOD BUNKS (2 per lift)
2 x 4 x 84"**

1- HARDWARE BAG NAM0950

- 2 - Leveling Legs – LL181
- 1 - B1200 Winch – LWB12
- 1 - Winch Bolt Bag – LWBBS
- 1 - 3/16" x 18-1/2' Cable – L1C18123
- 1 - Spinner Knob w/ Bolt – LKNOB
- 3 - 2" Tear Drop Pulleys – L1P2T
- 2 - 5/16" 2-Link Chain – L1PC5/162L
- 6 - 2" x 2" Black Plastic Plugs – D1PC2SQ
- 2 - 1-1/2" x 1-1/2" Black Plastic Plugs – D1PC1SQ
- 2 - 3/16" Cable Clamp – L1CC3/16
- 8 - 1/2" Lock Nuts – NN12L
- 4 - Bunk Brackets – NAM0930
- 1 - Assembly Sheet – NAASSY900
- 1 - Moisture Bag

1 - BOLT BOX – NAM09BB

- 1 - 3/16" 3-Link Chain – L1PC3/163L
- 6 - 3/8" x 2-1/2" Bolts – NB38212G
- 12 - 3/8" x 2-3/4" Bolts – NB38234G
- 4 - 3/8" x 3" Bolts – NB383G
- 2 - 3/8" x 3-3/4" Bolts – NB38334G
- 28 - 3/8" Nuts – NN38S
- 4 - 3/8" x 2-1/2" Carriage Bolts – NB38212C
- 2 - 1/2" x 3" Bolts – NB123G
- 6 - 1/2" x 4-1/2" Bolts – NB12412G
- 2 - 1/2" x 1-1/2" Set Screws – LLSS
- 1 - 3/8" Flat Washer – NW38FL



Attach 3-link chain to one of the Teardrop Pulleys. (Do not over tighten pulley side plates – pulley must turn freely). Choose which side the winch will be mounted on. On the non-winch side, attach the Front Angle Brace using two 3/8" x 2-1/2" bolts and two 3/8" nuts. On the winch side, attach the bottom of the Front Angle Brace with a 3/8" x 2-1/2" bolt and 3/8" nut. Place the flat washer on a 3/8" x 3" bolt. Run the bolt through the last link on the pulley chain, the top hole of the Angle Brace and the Corner Post. Secure with a 3/8" nut.

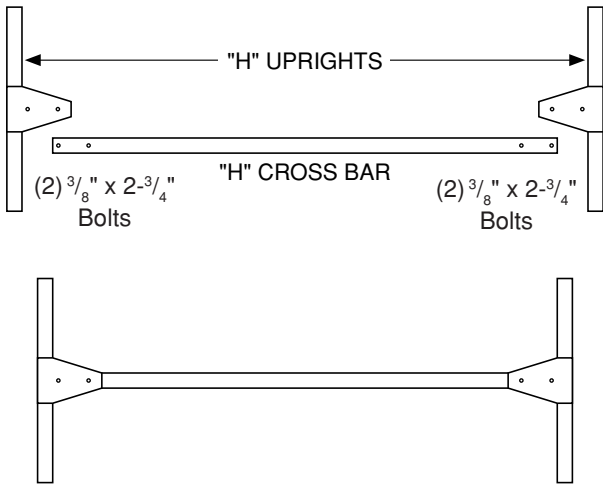
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STEP 3

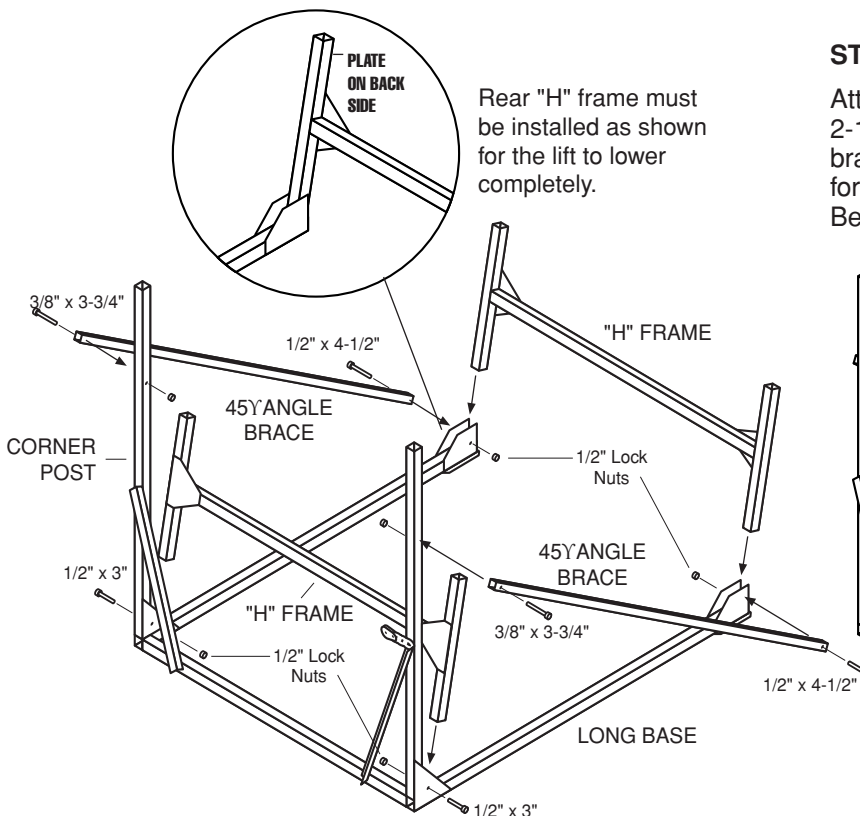
Assemble "H" Cross Bars and Uprights. Use four $3/8" \times 2-3/4"$ bolts for each "H". Front and rear assemblies are identical.



STEP 4

Place bottom ends of one "H" frame between Corner Post side plates and secure with two $1/2" \times 3"$ bolts and two $1/2"$ lock nuts. Attach front ends of 45° Angle Braces to the Corner Posts using two $3/8" \times 3-3/4"$ bolts and two $3/8"$ nuts. Place bottom ends of second "H" frame between Long Base side plates, align 45° Angle Braces and secure with two $1/2" \times 4-1/2"$ bolts and two $1/2"$ lock nuts. (Note: "H" frames may be laid flat for easier assembly).

Important: Do not overtighten lock nuts. "H" frames must move freely for proper lift operation.



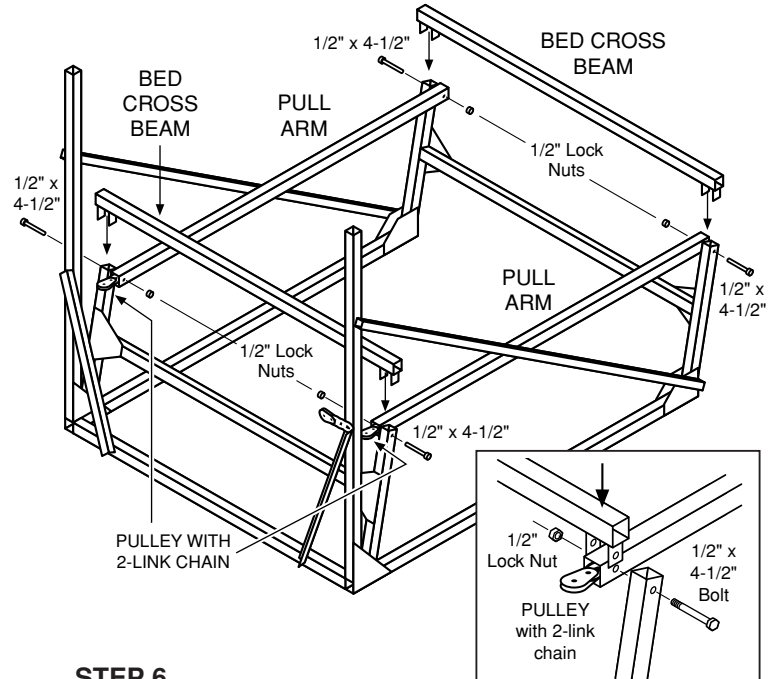
STEP 5

Attach 2-link chains to the two remaining teardrop pulleys. (Do not overtighten pulley side plates – pulleys must turn freely).

Position Pull arms to the inside of the "H" frames. Position Bed Cross Beams so that holes in "U" brackets are in line with the holes in the top of the "H" frames and the Pull Arms. Join parts at each corner with a $1/2" \times 4-1/2"$ bolt and $1/2"$ lock nut.

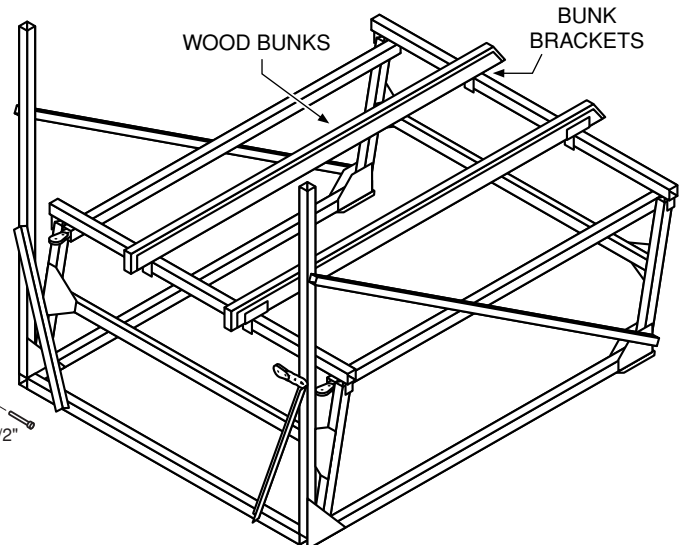
As you run the bolt through each front corner, insert the chain of one pulley assembly into the end of the Pull Arm so the bolt passes through the free link of the chain.

Important: Do not overtighten lock nuts. Pull arms and Cross beams must move freely for proper lift operation.



STEP 6

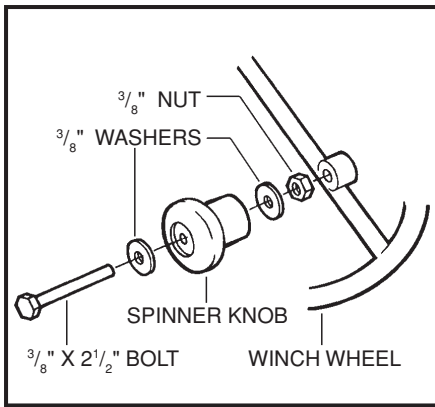
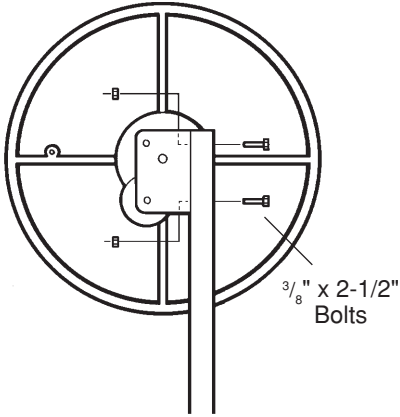
Attach Bunk Brackets to Wood Bunks using four $3/8" \times 2-1/2"$ carriage bolts and four $3/8"$ nuts. Place Bunks with brackets over the Bed Cross Beams. Adjust placement for width of watercraft and secure brackets to Bed Cross Beams using four $3/8" \times 2-3/4"$ bolts and four $3/8"$ nuts.



STEP 7

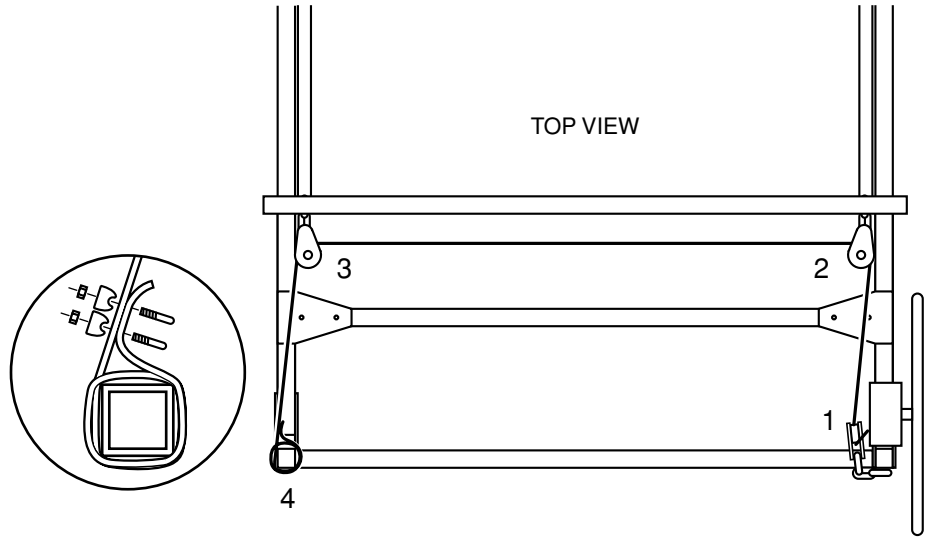
Install winch using two 3/8" x 2-1/2" bolts and nuts. (Diagram shows winch installed on right side. For left side installations, turn winch upside down).

Bolt winch wheel to winch and install spinner knob. Spinner knob should turn freely on bolt.



STEP 8

Run cable down from winch and through pulley (1) mounted on Corner Post. Run cable through pulley (2), over to opposite pulley (3) and secure at opposite Corner Post with two cable clamps (4) Note: cable should be wrapped around the upright two times before securing. If winch is mounted on the other side of the lift, simply route cable in reverse order.



STEP 9

Tip up back of lift and insert leveling legs. Set screws for rear leveling legs are inserted into the welded nuts located between the side plates on the Long Bases. Front leveling legs are also available as an option.

