



L45120V INSTRUCTIONS

Before assembling this hoist, please familiarize yourself with this manual, as it will lead to a much easier installation process. The following items are a suggested list of tools that will be helpful when assembling this hoist.

- Hammer
- Locking Pliers
- Level
- Tape Measure
- 1/2", 9/16", 5/8", 11/16", 3/4", 7/8" Open End Wrench
- 1/2", 9/16", 5/8", 11/16", 3/4", 7/8" Deep Well Sockets
- Ratchet
- 4 - 4 x 4's (3' or 4' Long)

Hardware Checklist: The following items can be found in the hardware box

Bolt Bag Contents:

- (26) 3/8" Flat Washers Stainless Steel
- (9) 5/8" Nut Nylock
- (9) 5/8" Flat Washer Stainless Steel
- (32) 3/8" x 6 1/2" HHCS Stainless Steel
- (4) 1/2" x 6" HHCS Stainless Steel
- (4) 1/2" Nuts Stainless Steel
- (8) 3/8" x 3 1/2" HHCS Stainless Steel
- (12) 3/8" x 3" HHCS Stainless Steel

- (2) 3/8" x 4" HHCS Stainless Steel
- (4) 3/8" x 3" HHCS Stainless Steel
- (74) 3/8" Nuts Flange

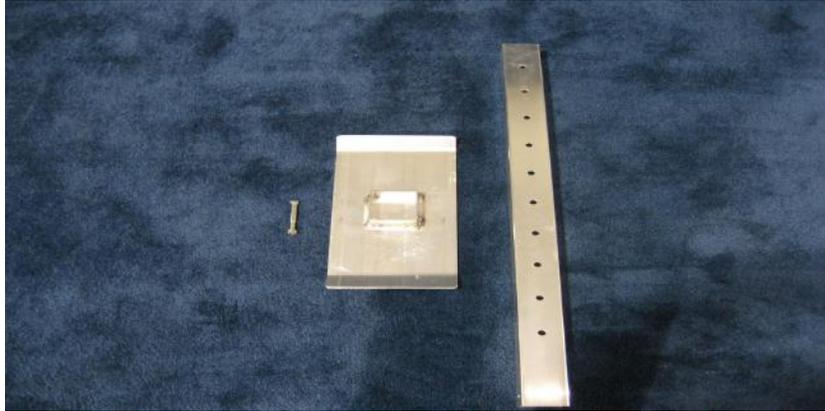
Small Parts Bag:

- (4) 3/8" x 6 1/4" x 4 3/4" U-Bolts
- (1) Spinner Knob With Hardware
- (4) Lower Cable Spacers – 1" Blocks
- (1) Winch Backing Plate – 3" x 12"
- Required Lift Parts:
- 2 Carpeted 10' Bunks
- 2 Front and Rear Bottom Beams
- 2 Bed Side Beams Pre-Strung with Cables
- 2 Front and Rear Bed Beams Pre-Strung with Cables
- 2 Side Bottom Beams
- 4 V-Brace Tubes
- 42" Wheel
- 4 Corner Posts
- Winch
- 4 Foot Pads
- 4 Adjustable Lift Legs
- 4 Bunk Tubes

Be sure to lay all of your parts out and check that you received all of the above-mentioned parts. If for some reason you are missing any parts please contact the dealer that you purchased the lift from. It is important to try and find a level spot to assemble the lift. Concrete works best, but sand or grass will also work, be sure that there is no sand inside the channels. Also, if at anytime you have any questions or concerns do not hesitate to stop and call your dealer for assistance.

Step 1: Assemble Lift Legs

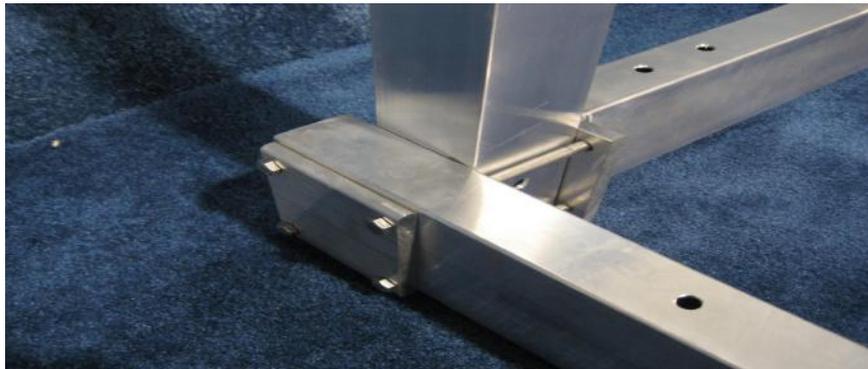
Attach the footpad to the leg using the 3/8" x 3 1/2" hex head bolt and 3/8" flange nut. Tighten the footpad fully, the footpad will move back and forth when fully tightened. Repeat this step for all four footpads and legs. Once assembled slide the legs into the four corner posts.



Step 2: Assemble Lift Frame

Locate the two front and rear bottom beams (119" Long) and two side bottom beams (122" Long) and lay them out on a flat surface in a square with the the 2 bottom beams (119" long) parallel to each other as well as the same for the side beams (122" long).

Locate the winch corner post, which is the longer of the four corner posts and place the winch corner post in-between the front and rear bottom beam and one of the two side bottom beams. Take one of the four reinforcement plates and attach the plate on the outside of the side bottom beam. Attach the plate using four $\frac{3}{8}$ " x $6\frac{1}{2}$ " bolts and flange nuts. Refer to the picture to the below for assistance with the step. Repeat this steps for all four-corner posts. **Be sure to hand tighten only!**



After attaching all for corner posts this is what the lift should look like up to this point. In this picture the winch post is located in the rear left corner.

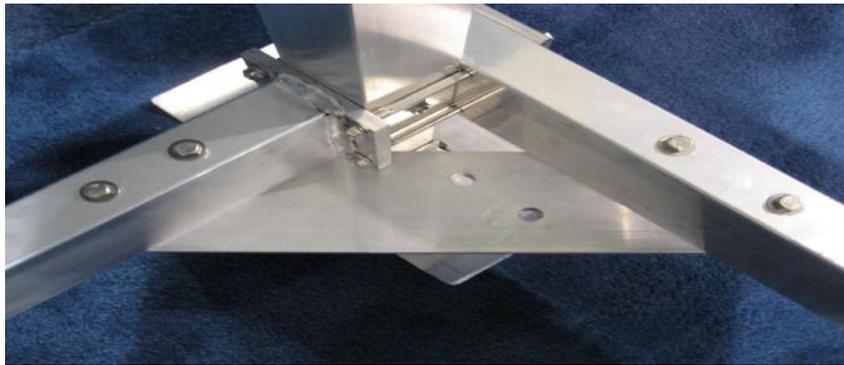
This is what your progress should look like:



Step 3: Attaching Corner Plates

Parts needed for this step includes the four corner plates, 16 $\frac{3}{8}$ " $6\frac{1}{2}$ " hex bolts, 16 flange nuts, and 16 washers.

The corner plate mounts underneath the lift frame with the long side facing the inside of the hoist. Insert the bolts facing down and hand tighten only for now. Repeat this step for the other three corners.



Step 4: Attaching Diagonal Braces

Parts needed for this step are four diagonal braces, eight diagonal brace plates, twelve $\frac{3}{8}$ " x 3" hex head bolts, twelve $\frac{3}{8}$ " flange nuts, four $\frac{1}{2}$ " x 6" hex head bolts, and four $\frac{1}{2}$ " standard nuts. You will also need the three corner post brackets that are not shown in this picture to the left.

Attach two diagonal brace plates to one diagonal brace using two $\frac{3}{8}$ " x 3" hex head bolts and two $\frac{3}{8}$ " flange nuts. Be sure that the flange nuts are on the outside of the frame as shown in the picture to the left. **Hand tighten only!** Repeat this step for the other three diagonal braces.

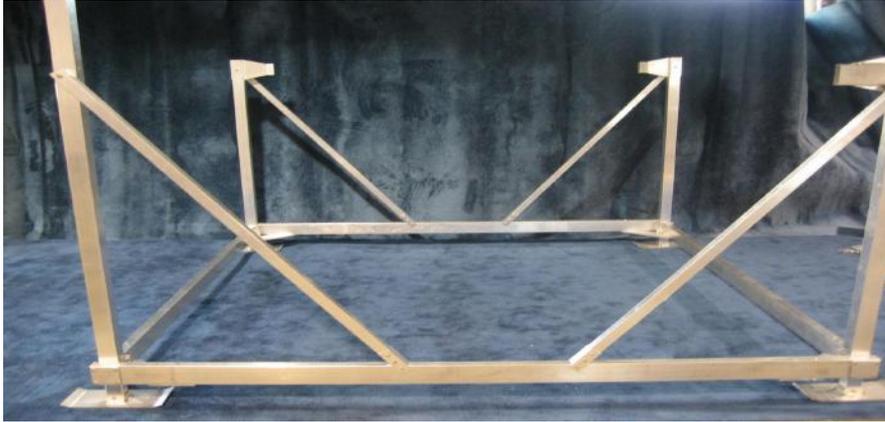


Next, take the corner post bracket and slide it over the top of the column. Slide the diagonal brace so that the holes of the diagonal brace and the corner post bracket align, and using the 1/2" x 6" hex head bolt and flange nut, attach the diagonal brace to the corner post bracket. Repeat this step for the other

You can see in the picture below to see how the diagonal brace is connected to the winch post. It is now time to tighten all the bolts in the frame. Before tightening all the bolts use your tape measure to measure the lift from corner to corner to ensure that the lift is square. This is what the lift frame should look like up to this point.



Here is what your progress should look like:



Step 5: Assembling the Bed Frame

Place a 4 x 4 in each corner of the lift frame. These are used to support the bed beams as they are being assembled.



The front and rear bed beam is shown here to the left. These beams run right to left across the lift and not front to back. The rear bed beam has two cables in the beam and is placed opposite of the winch. The front bed beam has one cable in the beam and is placed alongside the winch running right to left.

This is how the bed frame should be placed up to this point. The upcoming steps will show you how to attach the bed beams to one another, as well as how to attach the cables.



The corner bracket shown on the left is welded onto the bed-side beams. To connect the side beams to the front and rear beams take two 5/8" bolts that are attached to the front and rear beam and use them to attach the beams to one another.



Step 6: Attaching Winch

The following parts are needed to attach the winch to the winch post. The winch, winch backer plate, and two 3/8" x 4" bolts and 3/8" flange nuts.

Before installing the winch on the winch post you need to remove the cover to the winch. Set the cover aside as you will re-attach it later.

The picture below shows how the winch backer plate is attached, as well as how the bolts attach the winch to the winch post. This picture is taken from the back of the winch post. Use the 3/8" x 4" bolt to attach the winch backer plate. Use the flange nuts to attach the winch to the winch post.



Now that the winch is attached to the winch post this is what the winch should look like. It's now time to attach the winch wheel to the winch.



For this step you will need the 42" winch wheel as well as the spinner knob, 3/8" fender washer, and a 5/16" x 2" hex head bolt.

Spin the wheel onto the winch shaft as far as it will go. Use the 5/16" x 2" hex head bolt and the 3/8" fender washer to secure the winch wheel to the winch shaft. Tighten this securely. You can now put the winch cover back on the winch.

Step 7: Attaching / Tightening the Cables

Unwrap the plastic from the cables, as well as the nylock nuts from each cable. The picture below shows how the cables that run up attach to the corner post bracket. Each cable runs

straight up and through its own hole. Tighten these cables until they are taught. **Do not tighten these cables at this time!**

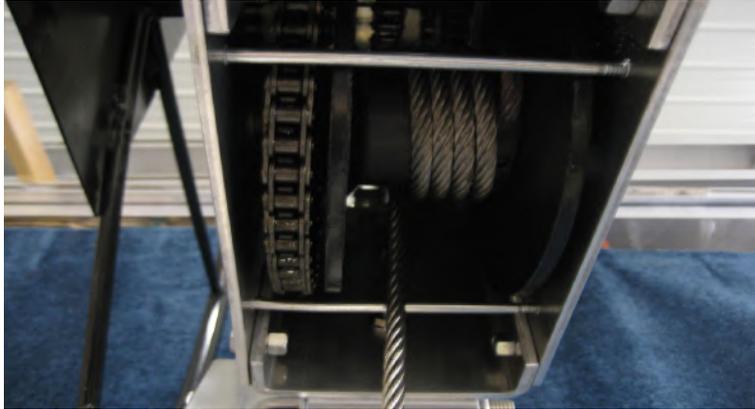


This picture shows how the cables that run down are connected to the corner plate. Here you can see the washer as well as the nylock nut. These cables are tightened as far as possible. **Do not tighten these cables at this time!**



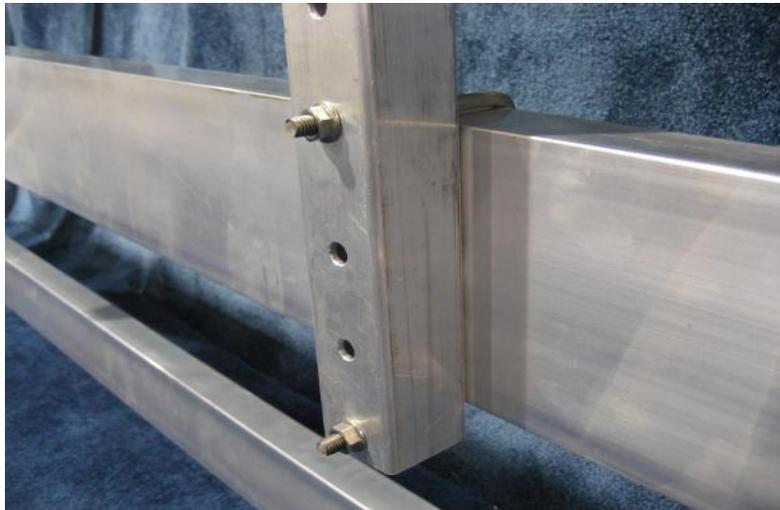
Step 8: Installing the Winch Cable

Attach the end of the winch cable to the winch drum by pushing the cable through the hole provided and tightening the setscrew. Now, begin turning the lift wheel as if you were raising your boat. Guide the cable so that it wraps around the winch like the picture to the left. Do this until all the slack is taken up. It is now time to tighten the rest of the cables as described above.



Step 9: Installing the Bunks

Using one $\frac{3}{8}$ " x $6\frac{1}{4}$ " x $2\frac{3}{4}$ " U-Bolt, attach the bunk tube to the front/rear bed beam by securing the U-bolts with two flange nuts, as shown in the picture below. Bunk width is wherever you would like it to be.



Attach the bunk to the bunk tube by using a $\frac{3}{8}$ " x 3" hex head bolt and flange nut.. The bolt runs underneath the bunk and points out. The flange nut is then placed on the end of the bolt underneath the bunk.



Step 10: Attaching the Side Guides (optional)

Using two 3/8" x 6 1/4" x 2 3/4:" U-Bolts, attach the side guide bracket to the front/rear bed beam so that the bracket is facing inwards. Secure the bracket by using the 3/8" flange nuts. Repeat this step for the other three brackets. It is up to you how far out or how far in you want your side guides to sit.

Attach the side guides to the side guide tube by using a 3/8" x 3" hex head bolt and a flange nut as shown in the picture below. Slide the side guide tube into the side guide bracket and tighten the set screw to your desired height.



Installation of Lift:

1. Survey the area you wish to set your lift and be sure that there are no obstructions, such as rocks, stumps, etc. If necessary you may need to relocate your lift.

2. Check your boat for speedometer pickups, cruise control pickups, etc. If needed, you may have to adjust the width of your bunks to avoid damaging your boat.
3. Raise the bunks so that they are even with the water. Adjust the lift legs until the bunks are all even with each other. Retighten lift legs. If you should happen to require longer lift legs then please contact your dealer you purchased the lift from.
4. Once again inspect the lake bottom to ensure that only the four footpads are resting on the lake bottom. Remove any obstructions if need be.
5. Lower the lift to its lowest position.
6. Float your boat on to the lift and check is there are any obstructions when raising the lift.
7. Raise the lift until the bunks touch the hull of your boat. STOP. Again, check for any obstructions.
8. Raise the lift 6" and wait. Depending on your lake bottom the lift may settle and cause the lift to not be level. Lower the lift and remove your boat. Repeat steps 3-7 until the lift is settled and level.
9. Remove your boat and retighten the bunks. The bunks should have swiveled to contour the bottom of your boat.

