



Kayak-N-Rack™

Assembly and Installation Instructions

Manufacturer of Dock Building Components and Accessories **For Floating Dock**

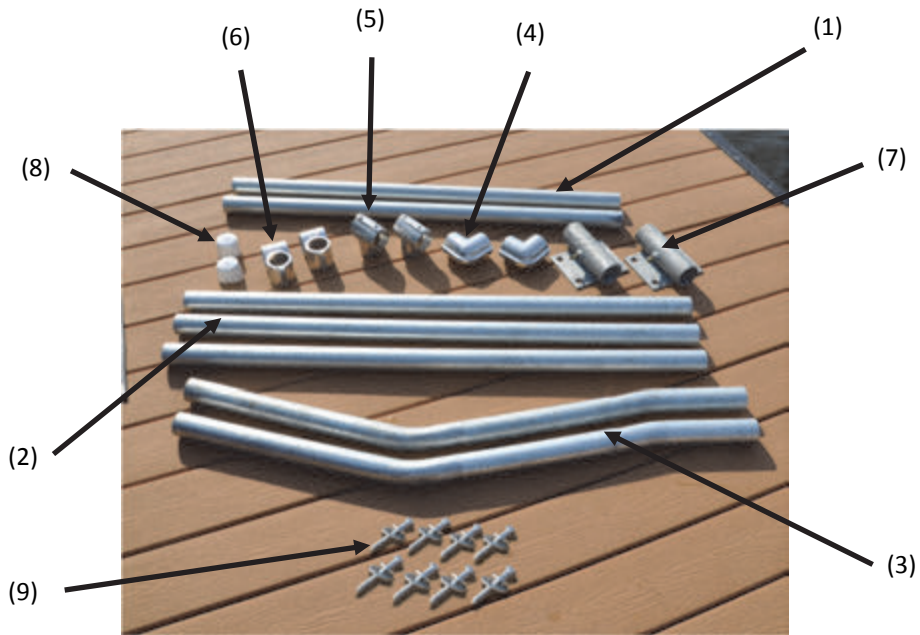


Parts List:

- (1) 2- PIPE-2 41" Lengths of light pipe
- (2) 3- PIPE-112G 46" Straight Pipes
- (3) 2- PIPE-112GB Angled bottom braces
- (4) 2- HF-3 Elbows
- (5) 2- HF-5 Tee's
- (6) 2- HF-12 Crosses
- (7) 2- WH-P2 Pipe holders w/ set screws
- (8) 2- SC-W150 Safety Caps
- (9) 8- B-L3 3" Lag Bolts

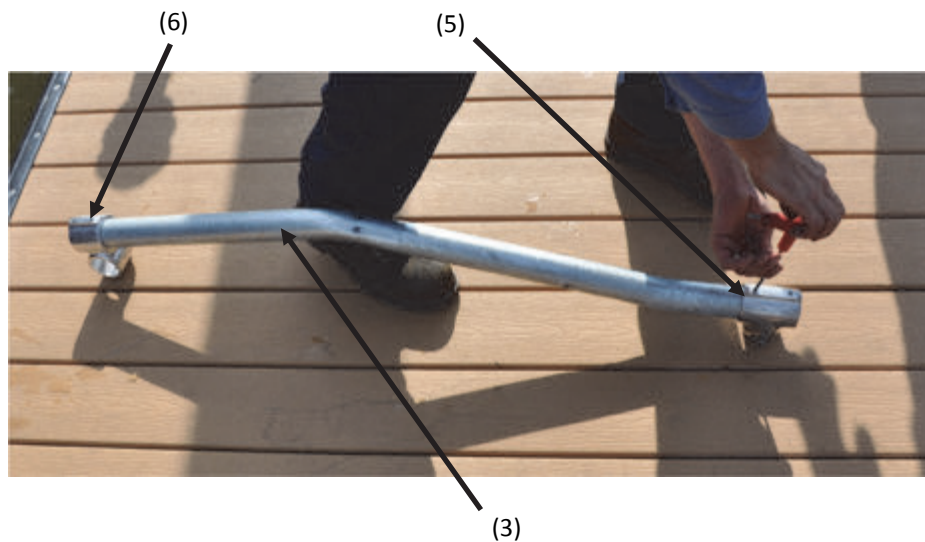
Step 1

Make note of and separate the following 9 different parts:



Step 2

Assemble (3) with (5) & (6) as shown. The ends of the fittings are flush with the ends of the pipe. Note: (6) goes on the end that has the longer straight section. Also note the direction of the fittings (5) & (6), compared to the angles in the pipe. Tighten all set screws that are touching the pipe in this step.



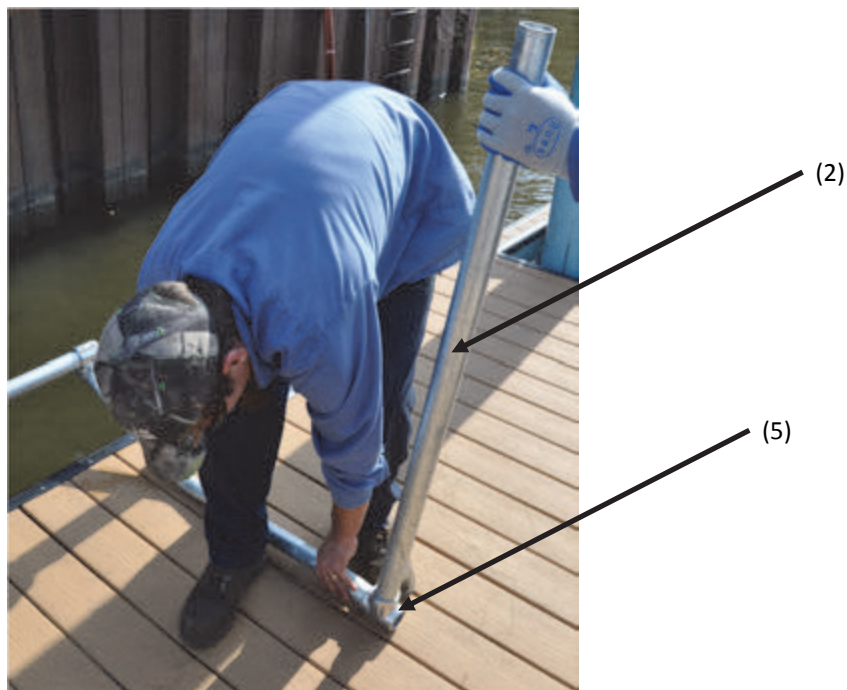
Step 3

Attach assembled parts from Step 2 to one of the three pipes labeled (2). Tighten all set screws touching the pipe.



Step 4

Insert the remaining two components (2) into the tees (5) that were assembled in step 2. Tighten all set screws.



Step 5 Insert pipe holder (7) onto vertical pipe (2) and LOOSELY tighten (do not fully tighten) it's square head set screw as you set the measurement shown below. (12" from the top of the Tee (5) to the bottom of the bracket (7))



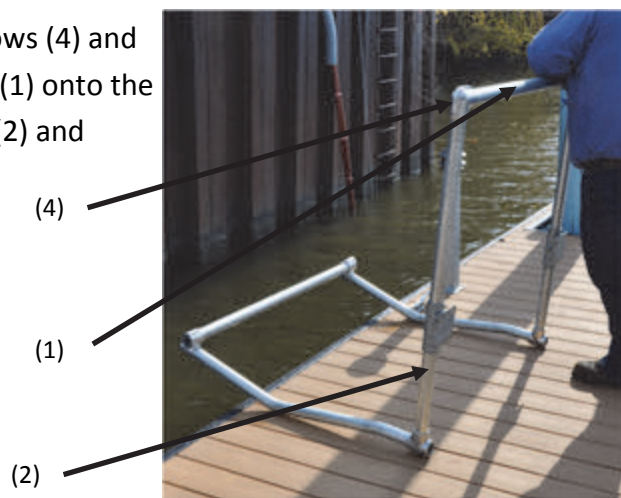
Note: Measure the distance from the water to the top of your decking. This measurement is called your freeboard. If your freeboard is within 1/2" of 24" (which is freeboard of example) continue to step 6.

If not, you need to make some adjustments to the location of bracket (7). A good rule of thumb is that you want your rack to be sticking out of the water as shown below.



After your rack is mounted to your dock locate the unit as shown to the right and then fully tighten the square set screw on bracket (7)

Step 6 Assemble elbows (4) and one light pipe (1) onto the vertical pipes (2) and loosely tighten set screws.



Step 7 Have your bolts (9) ready as well as a 1/4" drill bit and a 9/16" socket and ratchet wrench or impact driver. Get a friend to help you lower the unit into position. Try to keep the unit level with your dock. If you have a magnetic level it will help getting it level however, you can use the horizontal pipe (1) as a reference between the pipe and your dock. Note: If this attachment method will not work for you see "Alternate" after Step 12.



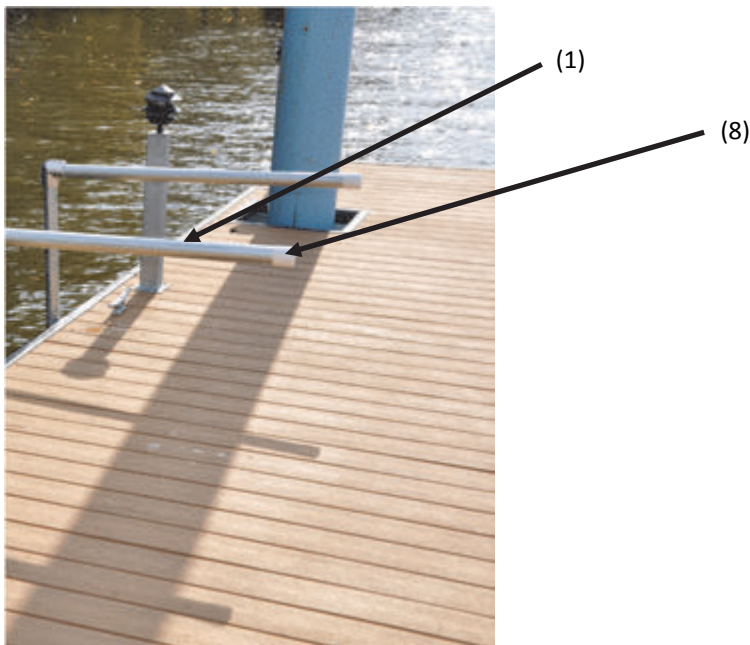
Step 8 While your friend holds the unit in place drill one hole in one side of bracket (7) and insert one lag bolt (9) and tighten. Do the same on the other side. Get one bolt in each bracket (9) and then go back around and insert the remaining six lag bolts. (bolts could be used instead of supplied lags)



Step 9 If you want to use the storage rack portion (optional) do as follows, otherwise skip to step 11. Loosen both elbows (4) and rotate pipe (1) 90 degrees in towards your dock. Insert the remaining unused pipe (1) into the other elbow attached to vertical pipe (2). Tighten all set screws.



Step 10 Insert the two white (8) safety caps onto pipes (1)



Step 11 Double check to make sure that all set screws on the pipe fittings are fully tightened. Don't forget to tighten the square set screws on bracket (7), especially if you don't have a freeboard of 24" and you had to do some adjusting.

Step 12

Enjoy your new Kayak-N-Rack storage unit. This unit was designed with several things in mind by Merco Marine. We wanted to offer a stable way to use your kayak from a floating dock so that you don't

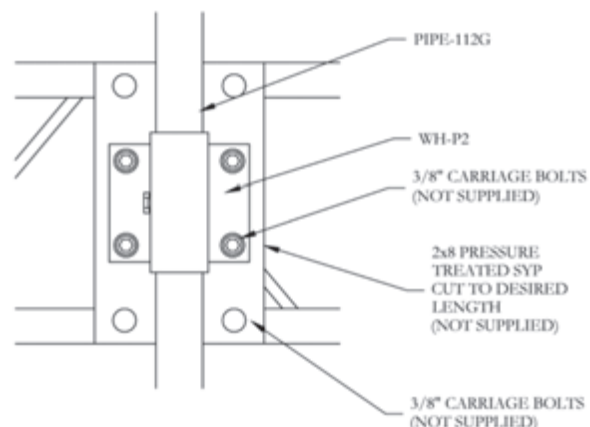


capsize. The unit offers secure places to hold onto while entering and exiting your kayak. The unit will hold your kayak in place temporarily in the water while preparing to use your kayak. Lastly, while your kayak is not in use you can store it on the rack part of the unit as shown below to keep it away from critters and valuable dock space. When using the storage rack we recommend you store your kayak upside down, and use bungee cords to hold it to the rack when not in use.

Alternate

The instructions here use a wood dock frame that is 3-1/2" thick. If you are using the Kayak-N-Rack unit on other types of dock construction the alternative attachment method to the right should provide you some guidance.

ALTERNATIVE ATTACHMENT METHOD OF BRACKETS FOR KAYAK-N-RACK FOR DOCK FRAME TYPES OTHER THAN WOOD (MERCO MARINE STEEL TRUSS SHOWN)





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