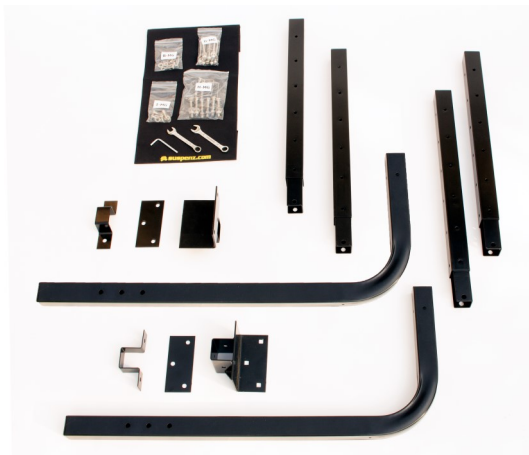


# OVER-WATER 2-BOAT DOCK FRAME

Model  
#32-0634



PARTS LIST	
QTY	Parts
2	Dock Mount Receiver
2	Backer Plate
2	U Support
2	L-Frame Post
4	24" Straight Post
<b>Bag B - Step 3</b>	
8	5/16" x 1" Hex Bolt
8	5/16" Thick Washer
8	5/16" Lock Washer
<b>Bag D - Step 4</b>	
8	5/16" x 3 1/2" Allen Head Bolt
16	5/16" Washer
8	5/16" Lock Nut
<b>Bag H - Step 1</b>	
6	3/8" x 2 1/2" Carriage Bolt
6	3/8" Washer
6	3/8" Lock Washer
6	3/8" Nut
2	Locking Pins
<b>Bag I - Step 2</b>	
4	5/16" x 1 1/4" Lag Screws
4	5/16" Washer
<b>Wrenches</b>	
1	9/16" Wrench
1	13mm Wrench
1	#5 Allen Wrench

## Tools Needed:

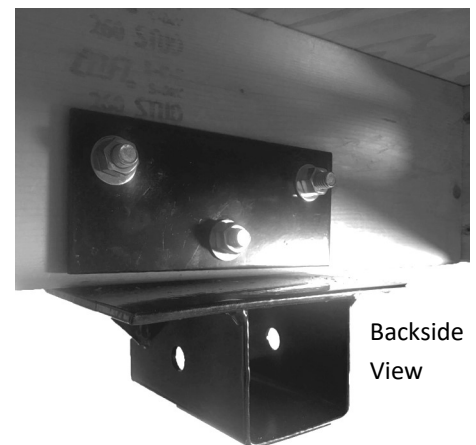
1/2" wrench (included), 9/16" wrench (included), #5 Allen wrench (included), electric drill, 3/16" drill bit, 7/16" or 1/2" drill bit, tape measure and a cold beverage of your choosing.

## Assembly

### Step 1: Attach Dock Mount Receiver to Front of Rim Joist

Parts Needed: (2) Dock Mount Receivers, (2) Backer Plates, and Hardware Bag H

- ◆ Determine the spacing distance between the *Dock Mount Receivers*. The length of your boat will determine this spacing. Ideal spacing is 40% of total boat length: boat length X 0.4 = spacing.
- ◆ Place *Dock Mount Receiver* against underside of rim joist (as seen in Photo 1) and use as a template to mark the three bolt locations.
- ◆ Drill 3 holes at spots marked using a 7/16" to 1/2" drill bit.
- ◆ Place *Dock Mount Receiver* over holes and insert three Carriage Bolts through *Dock Mount Receiver* and front joist. Hold in place with one hand while putting *Backer Plate* over the carriage bolts and loosely secure with a washer, lock washer, and nut to prevent any pieces from falling into water.
- ◆ **Note:** some docks have thicker front joists. In this case, longer carriage bolts from a local hardware store will be required. Use galvanized if stainless steel is not available.



Backside  
View

Photo 1



**Pro Tip:** Sit on your board or kayak while completing this step so a dropped part is caught.

Rev. 7/20

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## Assembly Step 1 continued...

- ◆ Use  $\frac{9}{16}$ " wrench to tighten the *Nuts* making sure not to over-tighten, which can cause a "cold weld" in stainless steel prohibiting future removal of *Dock Mount Receiver*.
- ◆ Repeat all steps for second *Dock Mount Receiver*.

*If you have not yet opened the cold beverage of your choice, now may be a good time to do so... (especially if any of the hardware was dropped in the water!)*

## Step 2: Attach L-Frame Post to Dock Mount Receiver

Parts Needed: (2) *L-Frame Posts*, (2) *U Supports & Hardware Bag 1*

- ◆ Insert the long end of the *L-Frame Post* in to the *Dock Mount Receiver*. Insert far enough so that the under-dock end of the *L-Frame* fully overlaps the next joist.
- ◆ Insert a Locking Pin to secure the *L-Frame Post* to the *Dock Mount Receiver*. See *Photo 2*.
- ◆ There are 5 possible holes in the *L-Frame Post*, use the holes that allow the *L-Frame Post* to extend the farthest over the water while still fully overlapping the back joist.

**Note:** If full contact with the back joist is not possible, either

- a) an additional joist spanning at least 4 feet of deck boards will need to be added to the dock, OR
  - b) purchase a pair of *Marine Grade Expansion Posts (#32-0401)* which will extend the *L-Frame Post* by 28", allowing contact with a joist. It will also allow the frame to extend farther over the water.
- ◆ Take a *U Support* and pinch it together enough so that it will stay in place when slid over the *L-Frame Post*.
  - ◆ From the underside of the dock, place the *U Support* over the *L-Frame Post* so that it contacts the back joist—see *Photo 3*.

...continued on page 3

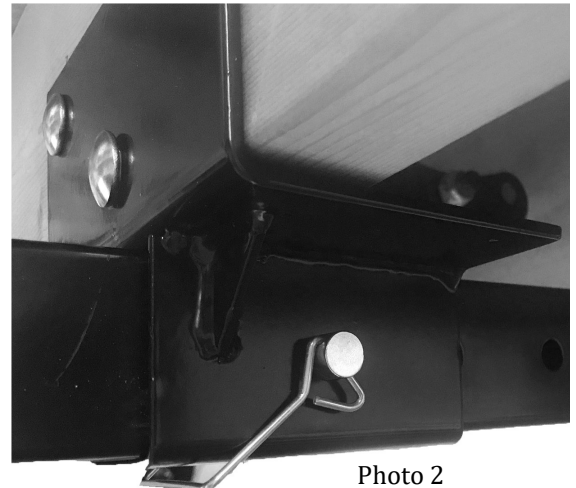


Photo 2



Photo 3

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## Assembly Step 2 continued...

- ◆ Align the *L-Frame Post* so it is square with the dock and mark the hole locations for the *U Support*.
- ◆ Drill with a 3/16" drill bit to the depth of the *Lag Screw*.
- ◆ Secure with the *Lag Screws* using 13mm wrench.
- ◆ See Photo 4 showing completed dock attachment.
- ◆ Repeat for the second *L-Frame Post*.

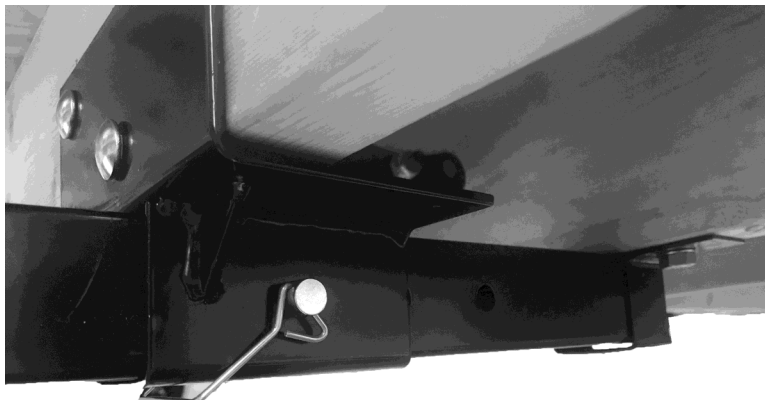


Photo 4



**Pro Tip:** An old woodworkers trick is to rub the screw threads on a bar of soap for easy installation.

## Step 3: Attach The Straight Posts

Parts Needed: (4) *Straight Posts* and *Hardware Bag B*

- ◆ Slide a *Straight Post* (one without a plastic cap) in to the top of the *L-Frame Post* so that the nuts inside the *Straight Post* align with the slotted holes in the *L-Frame Post*.
- ◆ Secure using two pairs of *Hex Bolt*, *Lock Washer*, and *Washer*.
- ◆ Slide a second straight post (one with a plastic cap) in to the top of the first straight post and secure with two pairs of *Hex Bolt*, *Lock Washer*, and *Washer*.
- ◆ Repeat for the second frame.



## Step 4: Attach Suspenz Storage Racks (Rack options Sold Separately—see page 4)

Attach racks using *Hardware Bag D* or use *Free-Standing Brackets* (sold separately—see page 4)

- ◆ This frame is sized to use two sets of *Storage Racks* accommodating 2 watercraft between the frame and the dock. As a starting point, attach first set of arms to the lowest point possible on the front of frame. Place 1st boat onto the bottom set of arms. Position 2nd set of arms to allow space to lift the lower boat on and off the rack. **Note:** See *Wall Rack Instruction Sheet* for more details about the arms.

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## *Rack Options that attach to the Dock Frame...*



**MG Deluxe Racks #12-0113**



**JAY Racks #11-000**  
*(Standard Grade only)*



**MG FLAT Racks \* #12-0104**

*\*Recommended Rack for Dock Frame  
Allows up to 3 SUP's/Kayaks based  
on height of frame & for windy conditions*

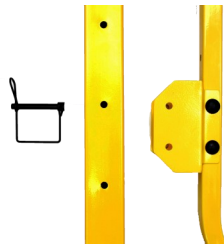


**MG SUP Racks #12-0105**



**MG EZ & MG Big EZ Racks**  
#12-0101 & #12-0102

**MG Free-Standing Brackets - Black**  
(#32-5505) are available to allow  
you to move/remove the arms  
with a quick release locking pin.



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Suspenz® products are warranted for life against defects in material or workmanship to the original owner. Product must be used for its intended purpose under normal conditions. Please visit [www.Suspenz.com](http://www.Suspenz.com) for complete warranty information.

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