



Assembly Instructions & User Manual

Three Tier Kayak Rack

FSMGMC7003



Please keep this instruction manual for future reference

Customer Service: (888) 922-2336

7:00 am to 12:00 am CST (daily)

Live Chat at: www.academy.com

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Note: Before beginning assembly of product, make sure all parts are present. Compare parts with package content list and hardware contents. If any part is missing or damaged, do not attempt to assemble the unit. Contact customer service for replacement parts.

Warnings
















Read carefully and understand all INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury. It is the user's responsibility to read and follow all instructions.



The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

- Recommended for two capable adults for assembly.
- Keep these instructions with the product at all times and review before each use.
- Keep work area clean, free of clutter, and well lit. Cluttered and dark work areas can cause accidents.
- Keep children and bystanders away while assembling the Kayak Rack. Distractions can cause you to lose control, so visitors should remain at a safe distance from the work area.
- Use safety apparel and equipment when assembling the Kayak Rack.
- Inspect the product before each use to ensure it is assembled properly and all parts are in safe working order and free of defects.
- Never modify this product in any way.
- **DO NOT** exceed the 100 lb weight capacity on each holder set.



Parts List

A	Left Leg Frame		1pcs
B	Right Leg Frame		1pcs
C	Cross Support for Leg Frame		2pcs
D	Bottom Upright		2pcs
E	Cross Support for Bottom Upright		1pc
F	Top Upright		2pcs
G	Cross Support for Top Upright		1pc
H	Bottom Upright Support		2pcs
I	J-Holder		4pcs
J	L-Holder		2pcs
K	U-Clip		6pcs
L	Safety Strap with Buckle		6pcs
M	Leg Extension		2pcs

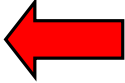


Hardware

1	Leveling Foot		6pcs
2	M8X60 Hex Screw		8pcs
3	Ø8mm Washer		52pcs
4	M8 Nylon Lock Nut		28pcs
5	M8X16 Hex Screw		14pcs
6	M8X75 Round Phillips Screw		12pcs
7	M5X60 Round Phillips Screw		6pcs
8	Ø5mm Washer		6pcs
9	M5 Nylon Lock Nut		6pcs
10	J-Hook		8pcs
11	M8 Hex Nut		8pcs
12	M8X90 S/S Lag Screw		2pcs
13	Plastic Bushing		2pcs

Tools Required

1	Wrenches (Included) 8mm, 12mm & 13mm	
2	#2 Philips screwdriver (Not Included)	

Marking

M1		Indicates where to install screw, washer & nut set.
M2		Indicate where to install part to.
M3		Indicates the direction of looping the safety strap.

Assembly Instructions

Step 1:

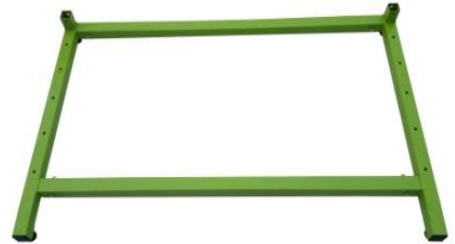
Install and fully insert Leveling Foot (1) to Left Leg Frame (A) and Right Leg Frame (B). **FIG.1**

Align and assemble the Left Leg Frame, Right Leg Frame, and Cross Support for Leg Frame (C). **FIG.2**

FIG.1



FIG.2



Step 2:

Align and assemble the Bottom Upright (D) and Cross Support for Bottom Upright (E). Carefully put it on the Leg Frame Assembly. **FIG.3**

Align and assemble the Top Upright (F) and Cross Support for Top Upright (G). Carefully put it on the Bottom Upright Assembly. **FIG.4**

FIG.3



FIG.4



Assembly Instructions

Step 3:

Align Leg Frame, Bottom Upright, and Bottom Upright Support (H) mounting holes. Align the mounting holes of Bottom Upright(D) and Top Upright (F) . Install and tighten **(do not firmly tighten yet)** M8X60 Hex Screw (2), Ø8mm Washer (3) and M8 Nylon Lock Nut (4). **FIG.5**

Repeat this step to assemble the other side.

To complete the assembly, you will need **M8X60 Hex Screw x 8pcs, Ø8mm Washer x 8pcs and M8 Nylon Lock Nut x8pcs**. Hardware for this assembly is packed together.


* Remove the Hex Screws, Washers, and Nylon Lock Nuts where  are pointed first, when J-Holders are mounted here.

FIG.5

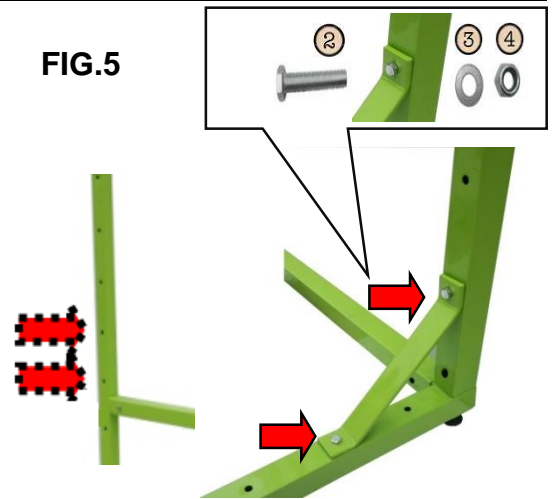
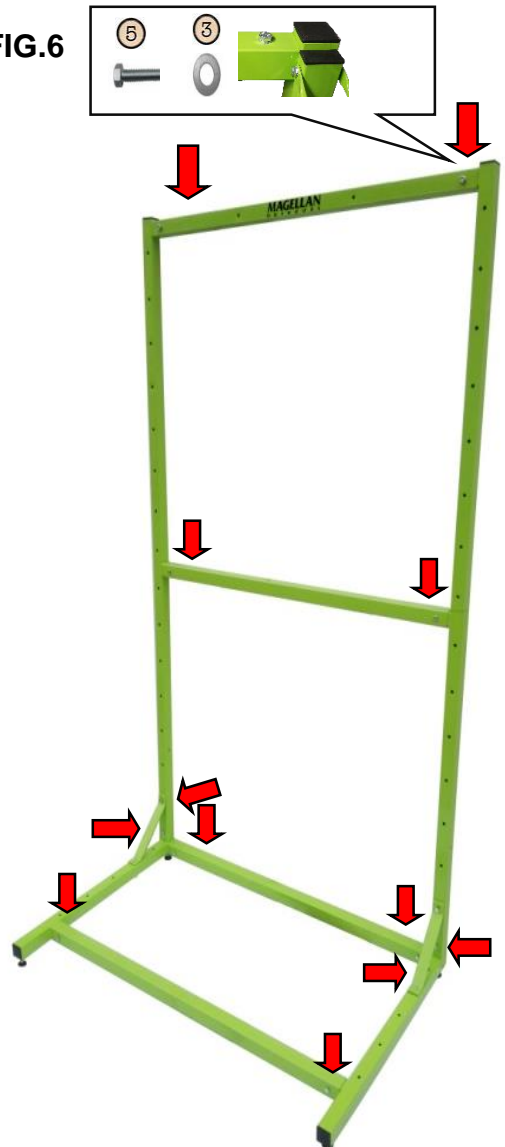


FIG.6



Step 4:

Install and tighten **(do not firmly tighten yet)** M8X16 Hex Screw (5), Ø8 mm Washer (3), to the Leg Frame, Cross Supports ,Top Upright, and Bottom Upright assembly. **FIG.6**

* To complete the assembly, you will need **M8X16 Hex Screw x 12pcs, Ø8mm Washer x 12pcs**, Hardware for this assembly is packed together.

Assembly Instructions

Step 5:

Align the J-Holder (I), Top Upright, and Bottom Upright mounting holes. Install and tighten (**do not firmly tighten yet**) M8X75 Round Phillips Screw (6), Ø8mm Washer (3), and M8 Nylon Lock Nut (4).

FIG.7

There are several mounting holes on Top & Bottom Uprights. Options for assembling the J-Holders to different positions to suit your best need.

- There are two J-Holders with logo, and two without. Mount two J-Holder with logo to the middle of Bottom Upright; the two without logo to the top Upright.

Align the L-Holder (J) and Leg Frame mounting holes. Install and tighten (**do not firmly tighten yet**) M8X75 Round Phillips Screw (6), Ø8mm Washer (3), and M8 Nylon Lock Nut (4).

- There are several mounting holes on Leg Frames, options for assembling the L-Holder to different positions to fit different sizes of kayak or canoe here.

FIG.8

* To complete the J-Holder & L-Holder assembly, you will need **M8X75 Round Phillips Screw x 12pcs**, **Ø8mm Washer x 12pcs** and **M8 Nylon Lock Nut x 12pcs**. Hardware for this assembly is packed together.

FIG.7

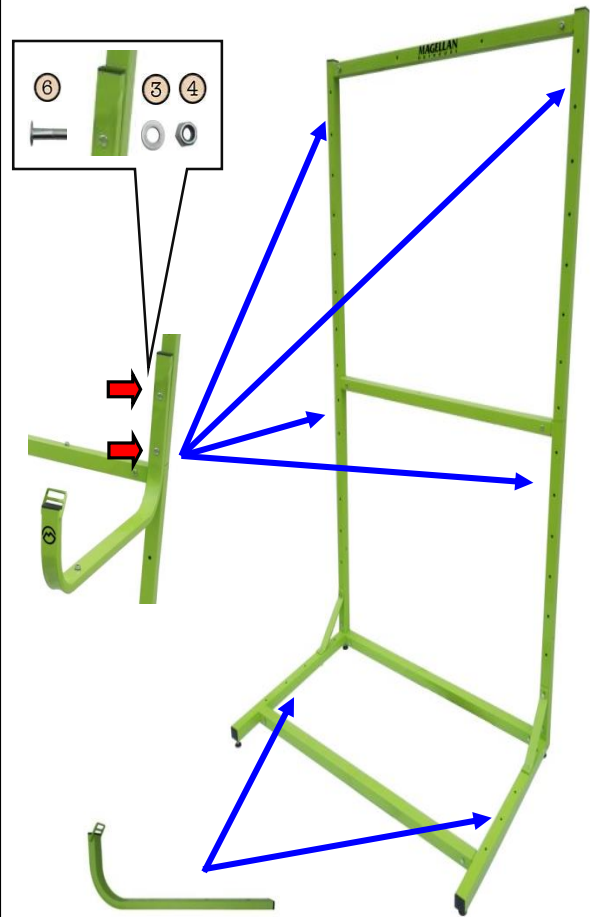
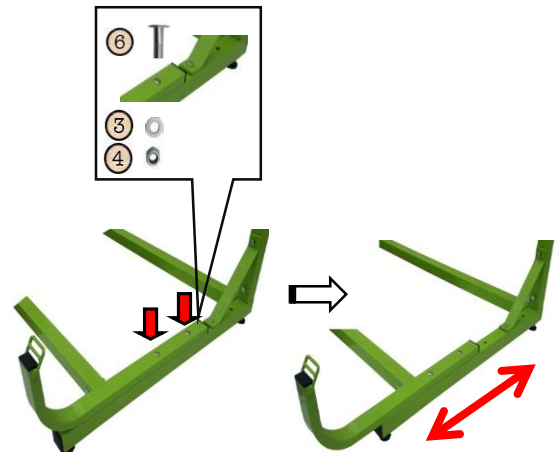


FIG.8



Assembly Instructions

Step 6:

Un-tie the Safety Strap(L). **FIG.9**

(a. Male Buckle ; b. Female Buckle ; c. Loop.)

Find the loop sew on the strap, and slip it through U-Clip (K).

Align the U-Clip and J-Holder mounting holes. Install and firmly tighten M5X60 Round Phillips Screw (7), Ø5mm Washer (8), and M5 Nylon Lock Nut (9). **FIG.10**

Repeat above to assemble the U-Clip to the rest of the J-Holders.

*To complete the U-Clip assembly, you will need **M5X60 Round Phillips Screw x 6pcs, Ø5mm Washer x 6pcs, and M5 Nylon Lock Nut x 6pcs.**

4 sets for U-Clip / J-Holder assembly; 2 sets for U-Clip / Bottom Upright assembly (**Step 7**).

Hardware for Step 6 & 7 are packed together.

FIG.9

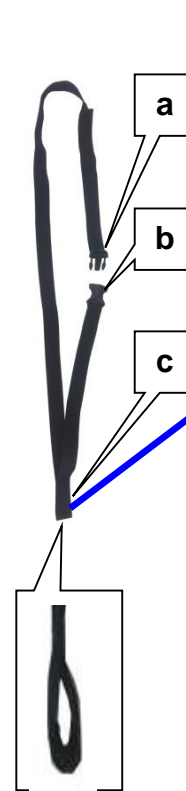
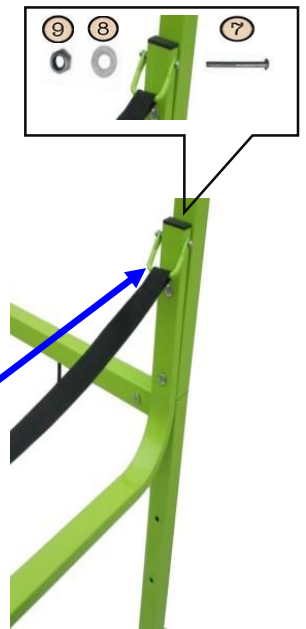


FIG.10



Step 7:

Slip the loop on the safety strap through U-Clip.

Align the U-Clip and Bottom Upright mounting holes. Install and firmly tighten M5X60 Round Phillips Screw (7), Ø5mm Washer (8), and M5 Nylon Lock Nut (9). **FIG.11**

Repeat above to assemble U-Clip to the other Bottom Upright.

Before installing safety straps to the J-Holders and L-Holders (**Step 8**), **check the complete Kayak Rack Assembly, firmly tighten all screws attached.**

FIG.11



Assembly Instructions

FIG.12



FIG.13



FIG.14



FIG.15



Step 9:

Follow the image steps above to install the Safety Straps to all 4 J-Holders & 2 L-Holders.

1. Remove the male buckle from the strap.
2. Slip the strap (**male buckle removed**) through the hole at bottom. **FIG.12**
3. Slip the strap through the hole at top. **FIG.13**
4. Loop the strap and slip it through the hole at bottom **FIG.14** * **go under the Strap that done in FIG.12**
5. Take the male buckle on hand with "Insert end" facing the sky. Slip the strap through the hole in middle. **FIG.15**
6. Slip the strap through the hole at the end. **FIG.16**

FIG.16



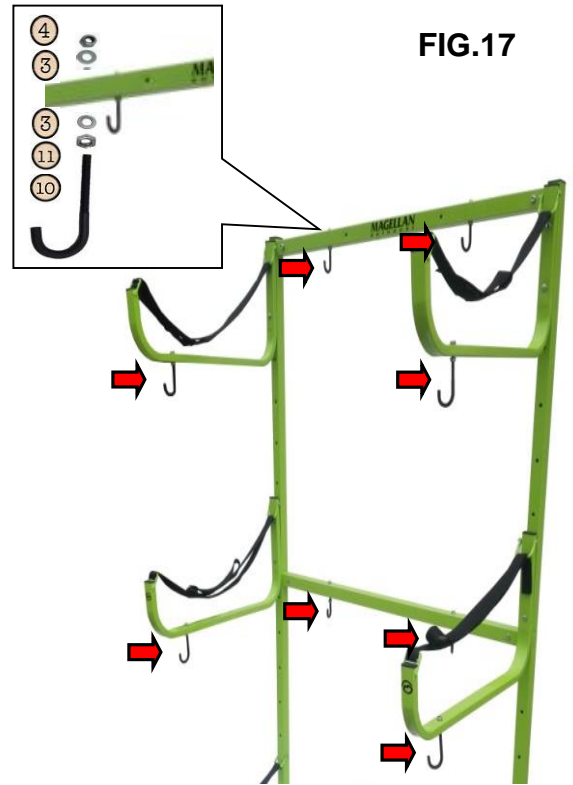
Assembly Instructions

Step 10:

Align the J-Hooks (10), J-Holder, & Cross Supports mounting holes. Install and firmly tighten M8 Hex Nut (11), Ø8mm Washer (3), and M8 Nylon Lock Nut (4). **FIG.17**

* To complete the J-Hook assembly, you will need **J Hook x 8pcs**, **M8 Hex Nut X 8pcs**, **Ø8mm Washer x 16pcs**, and **M8 Nylon Nut x 8pcs**.

•**M8 Hex Nut, Ø8mm Washer and M8 Nylon Lock Nut.** Hardware for this assembly is packed together with the hook. The length of the hook on rack can be adjusted by adjusting the position of hex nut on hook.



Step 11:

Now, the Kayak Rack is almost completed.

If wall mounting is preferred, mount it to the wall with enclosed M8X90 S/S Lag Screws (12) X 2pcs, Ø8mm Washer (3) X 2pcs, & Plastic Bushing (13) X 2pcs. **FIG.18**

Put the Lag Screws through the holes on top Cross Support, put the washer & plastic bushing on it. Firmly tighten the Lag Screws to the wall.

FIG.18



Assembly Instructions

Step 12:

If free standing is preferred, follow the below directions.

Assemble the enclosed Leg Extension (M) to the Kayak Rack.

-Install the Leveling Foot (1) to the Leg Extension. **FIG.19**

-Remove the Leveling Foot from the Leg Frame (assembled at Step 1.) where it connects to Bottom Upright. **FIG.20**

-Insert the Leg Extension to the Leg Frame. Install the removed Leveling Foot back to position. **FIG.21**

-Tighten Leg Extension to Leg Frame with **M8 X16 Hex Screw (5)**, **Ø8mm Washer (3)**. **FIG.22**

* you will need **M8 X16 Hex Screw X 2pcs**, **Ø8mm Washer x 2pcs**

You now have a sturdy storage system for your Kayak(s).

FIG.19



FIG.20



FIG.21

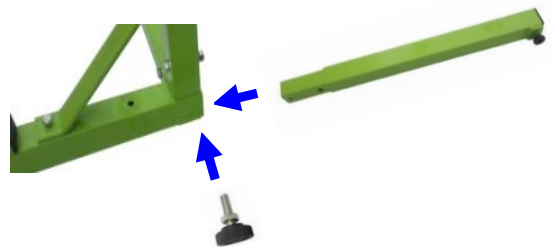
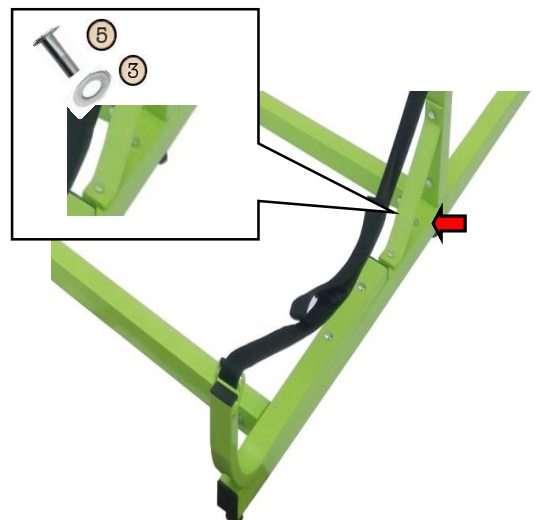


FIG.22



User Instructions

To Load Kayak:

- Center the kayak onto the support webbing.
- Make sure the kayak is set on arms so that it is stable.
- Confirm the safety straps can be connected over the top of the kayak. Adjust the strap if more length is needed. Buckle the straps and pull the strap for snug fitting

To Unload Kayak:

- Unfasten the safety straps.
- Carefully lift the kayak and move the kayak away from the rack.

TO PREVENT INJURY FROM KAYAK RACK FAILURE:

DO NOT use damaged equipment. If Kayak Rack is damaged or if abnormal noise or vibration occurs, have the problem corrected before further use.

1. BEFORE EACH USE, inspect the general condition of the Kayak Rack.

Check for:

- Loose hardware.
- Misalignment or binding of parts.
- Cracked or broken parts and any other condition that may affect its safe operation.

2. AFTER EACH USE, wipe external surfaces of the Kayak Rack with a clean cloth.

Warranty Information

This product has been manufactured under the highest standards of quality and workmanship. We warrant to the original consumer purchaser that all aspects of this product will be free of defects in material and workmanship for one year from the date of purchase. A replacement for any defective part will be supplied free of charge for installation by the consumer. Defects or damage caused by the use of other than genuine parts are not covered by this warranty. This warranty shall be effective from the date of purchase as shown in the purchaser receipt.

This warranty is valid for the original consumer purchaser only and excludes industrial, commercial, or business use of the product, product damage due to shipment or failure which results from alteration, product abuse, or product misuse, whether performed by a contractor, service company, or consumer. We will not be responsible for labor charges and/or damage incurred in installation, repair, or replacement nor for incidental or consequential damage.

Any modification or unintended use of this product shall immediately void all our warranties. We disclaim all liability for injuries to persons or property resulting from any modification to, or unintended use of this product.