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› Multinautic 2,000 lb. Capacity Boat Loading Ramp Kit User Manual

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Model: 2,000 lb. Capacity Boat Loading Ramp Kit

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Multinautic 2,000 lb. Capacity Boat Loading Ramp Kit. This system is designed for safely storing and launching small boats or personal watercraft (PWC), protecting the hull and turbine from shoreline elements like sand, rocks, and turbulent wave action. Please read all instructions carefully before beginning assembly or operation.

INCLUDED PARTS

Verify that all components listed below are present in your kit before starting assembly. If any parts are missing or damaged, please contact Multinautic customer support.

2000 LBS CAPACITY ROLLER RAMP KIT



No 19224

INCLUDED PARTS



6 x



1 x



1 x



1 x



1x



6 x



18 x



2 x



2 x



2 x



3/8" x 2 1/2"
36 x



3/8" x 4 1/2"
2 x



#10 x 1" S.S.
8 x



#10 x 3"
50 x

NOT INCLUDED



2" x 8" x 16'
2 x



2" x 6" x 8'
2 x



2" x 4" x 10'
1 x

Treated wood*

*Lumber sizes may slightly vary depending on boat width type

Image: Overview of all components included in the Multinautic 2,000 lb. Capacity Boat Loading Ramp Kit. This includes 6 double rollers, 1 keel roller, 1 winch, 1 strap, various galvanized steel brackets, bolts, and screws.

- 6 Double Rollers with 5" Wheels and Auto-Adjusting Axles
- 1 Keel Roller (8")
- 1 Two-Way Winch
- 1 Winch Strap
- Galvanized Steel Brackets (various types for structural support and roller mounting)
- Adjustable Posts and Base Plates
- Mounting Hardware (bolts, nuts, screws)

REQUIRED MATERIALS (NOT INCLUDED)

The following lumber is required for the construction of the ramp frame and is not included in this kit. Lumber sizes may vary slightly depending on boat width type. Ensure all lumber is treated for marine environments.

- 2" x 8" x 16' Treated Wood (2 pieces)

- 2" x 6" x 8' Treated Wood (2 pieces)
- 2" x 4" x 10' Treated Wood (1 piece)

SETUP AND ASSEMBLY INSTRUCTIONS

Follow these steps carefully to assemble your boat loading ramp kit. It is recommended to have at least two people for assembly.

1. Prepare the Lumber Frame

Cut and prepare the treated lumber according to the dimensions required for your specific watercraft. Construct the main frame of the ramp using the 2" x 8" and 2" x 6" lumber, ensuring a sturdy and level base.

2. Attach Winch Assembly

Mount the two-way winch securely to the designated end of the ramp frame using the provided galvanized steel brackets and hardware. Ensure the winch is positioned for easy access and operation.



Image: Winch assembly securely mounted to the wooden ramp structure.

3. Install Rollers

Attach the 6 double rollers and the 8" keel roller to the ramp frame. Position them strategically to support the hull of your watercraft evenly. The rollers feature auto-adjusting axles to accommodate varying hull shapes and simplify alignment.

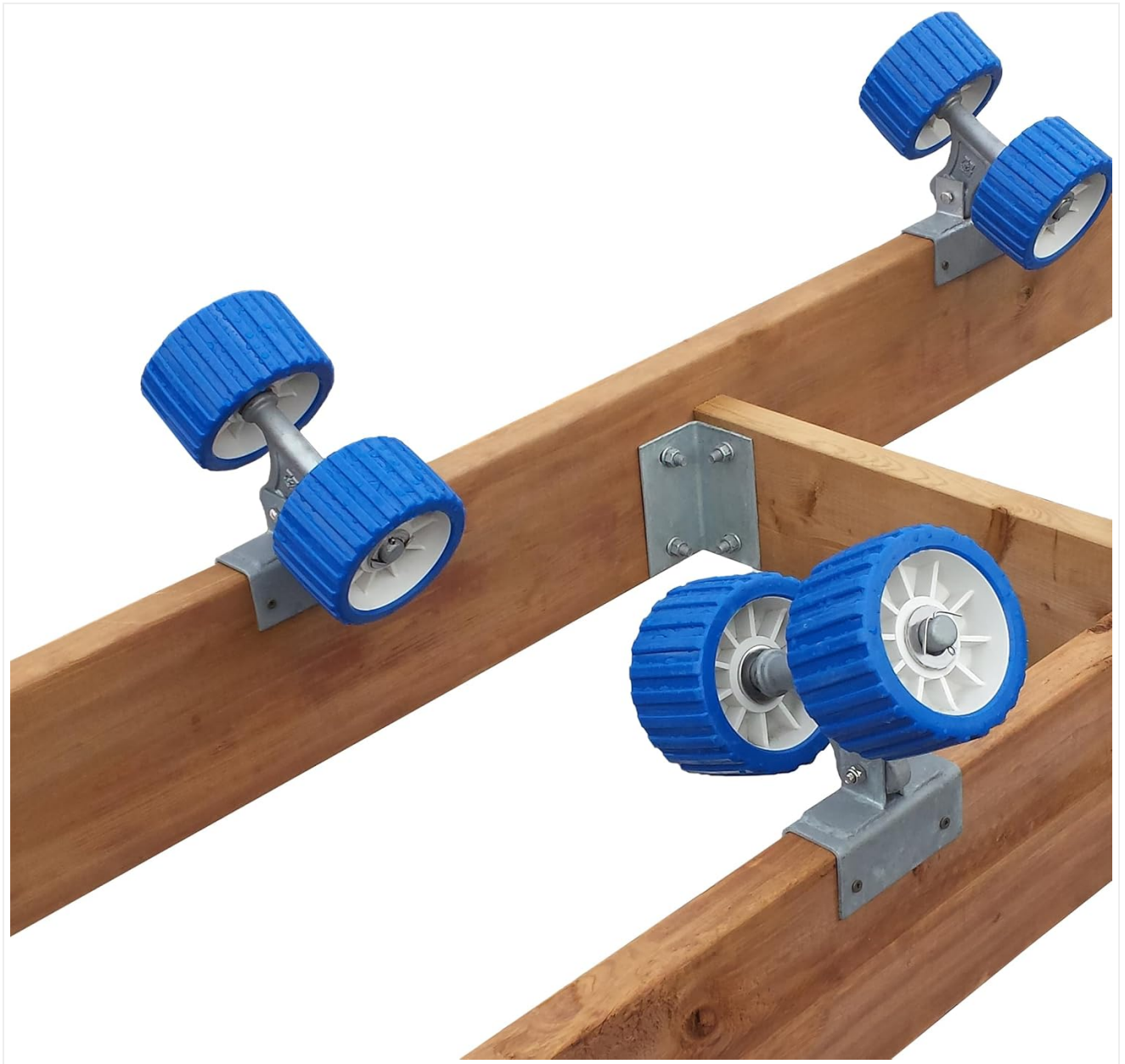


Image: Double rollers installed on the wooden ramp frame, designed to pivot and adjust to the watercraft's hull.

4. **Adjust Height and Stability**

Utilize the adjustable posts, leg holders, and base plates to customize the ramp's height and ensure secure anchoring to match your specific shoreline or dock conditions. This allows for stable positioning regardless of water levels.



Image: Adjustment of the ramp's height and stability using the provided posts and base plates.

5. **Secure the Ramp**

Ensure the ramp is firmly anchored to prevent movement, especially during rough weather. The design prevents rubbing against or under the dock.



Image: Fully assembled Multinautic boat ramp extending into the water from the shoreline.

OPERATING INSTRUCTIONS

Proper operation ensures the longevity of your watercraft and the ramp system.

1. **Launching Your Watercraft**

Carefully release the winch strap and allow your watercraft to roll smoothly down the ramp into the water. The auto-adjusting rollers will guide the watercraft, minimizing effort.

2. **Loading Your Watercraft**

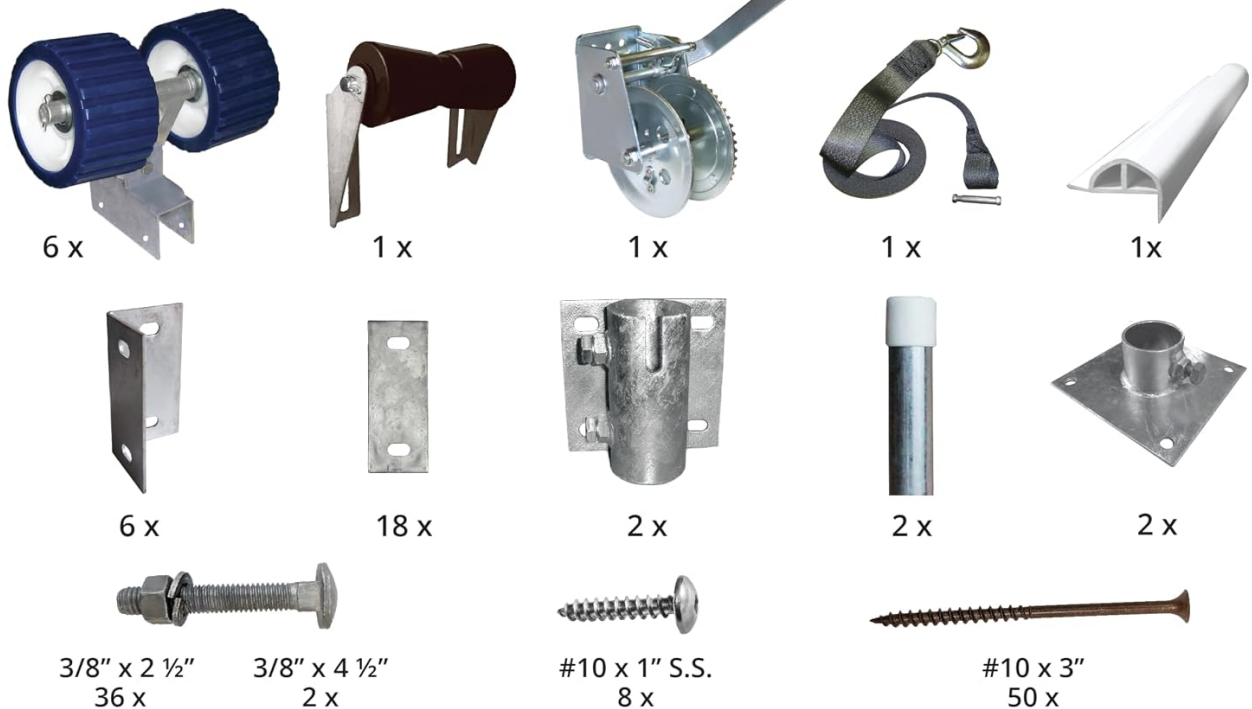
Guide your watercraft onto the submerged end of the ramp. Attach the winch strap securely to the watercraft's bow eye. Use the two-way winch to smoothly pull the watercraft up the ramp until it is fully clear of the water and securely positioned on the rollers.

2000 LBS CAPACITY ROLLER RAMP KIT



No 19224

INCLUDED PARTS



NOT INCLUDED

Treated wood*



*Lumber sizes may slightly vary depending on boat width type

Image: Operating the winch to load a personal watercraft onto the ramp.

3. Securing After Loading

Once the watercraft is fully loaded, ensure the winch is locked and the watercraft is stable on the rollers. Consider additional tie-downs if strong winds or currents are expected.

MAINTENANCE

Regular maintenance will extend the life of your Multinautic boat loading ramp kit.

- **Inspection:** Periodically inspect all components, especially the galvanized steel brackets, rollers, winch, and strap, for any signs of wear, corrosion, or damage.
- **Cleaning:** Clean rollers and the ramp structure regularly to remove sand, debris, and marine growth that could impede smooth operation.
- **Hardware Check:** Ensure all bolts, nuts, and screws remain tight. Re-tighten as necessary.
- **Winch and Strap:** Inspect the winch mechanism for smooth operation and lubricate moving parts if needed. Check the strap for fraying or cuts and replace if damaged.
- **Lumber:** Inspect the treated lumber for rot or structural integrity issues. Replace damaged sections as needed.

TROUBLESHOOTING

This section addresses common issues you might encounter.

- **Watercraft not rolling smoothly:**
 - Check rollers for debris or damage. Clean or replace as needed.
 - Ensure the ramp is properly aligned and level. Adjust posts if necessary.
 - Verify that the watercraft's hull is clean and free of obstructions.
- **Ramp instability:**
 - Ensure all anchoring points are secure and posts are firmly set in the ground or attached to the dock.
 - Check all structural connections and tighten any loose hardware.
 - Verify that the base plates are properly seated on the shoreline.
- **Winch difficulty:**
 - Inspect the winch mechanism for obstructions or corrosion. Lubricate if stiff.
 - Check the winch strap for proper winding and ensure it is not twisted or damaged.
 - Ensure the watercraft is aligned correctly on the rollers to minimize resistance.

SPECIFICATIONS

Feature	Detail
Model Name	Multinautic 2,000 lb. Capacity Boat Loading Ramp Kit
Load Capacity	2,000 lbs. (expandable to 2,500 lbs. with optional Wheel Set SKU 34111)
Rollers	6 Double Rollers with 5" Wheels, Auto-Adjusting Axles, 1 x 8" Keel Roller
Material	Galvanized Steel (brackets), Metal (winch), Plastic/Rubber (rollers)
Color	Silver (metal components)
Included Components	Dock Kit (Winch, Strap, Rollers, Brackets, Posts, Base Plates, Hardware)
Lumber Required	2" x 8" x 16' (2), 2" x 6" x 8' (2), 2" x 4" x 10' (1) - <i>Not Included</i>

WARRANTY AND SUPPORT

This Multinautic product comes with a **1-Year Limited Warranty**. For warranty claims, technical support, or replacement parts, please contact Multinautic customer service. Keep your purchase receipt as proof of purchase. For further assistance, please visit the official Multinautic website or refer to the contact information provided with your purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question