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MENABO 000089300000

MENABO Polaris 3 Bike Rack User Manual

Model: 000089300000

INTRODUCTION

The MENABO Polaris 3 Bike Rack is a robust and secure rear-mounted bicycle carrier designed to transport up to three bikes. It features a steel frame and aluminum rails, providing a stable and reliable solution for vehicle-based bike transport. This manual provides essential information for the safe assembly, installation, operation, and maintenance of your Polaris 3 Bike Rack.

The unique strapless fixing system enhances safety, making it a secure choice for transporting your bicycles. It is also designed to accommodate Fat Bikes, offering versatility for various bicycle types.



Figure 1: Overview of the MENABO Polaris 3 Bike Rack, showcasing its robust steel frame and aluminum rails.

SAFETY INFORMATION

Always prioritize safety when installing and using the bike rack. Failure to follow these instructions could result in property damage, personal injury, or death.

- Read and understand all instructions before assembly and installation.
- Ensure the bike rack is securely attached to your vehicle according to the installation guidelines.
- Do not exceed the maximum load capacity of 45 kg (99 lbs) or the maximum number of 3 bikes.
- Verify that all bikes are properly secured to the rack before driving.
- Check the rack and bike security periodically during long trips.
- Be aware of the increased length and width of your vehicle when the rack and bikes are installed, especially when parking, backing up, or driving through low clearances.
- Ensure that vehicle lights and license plate are not obstructed. If they are, consider using an auxiliary light board and license plate holder.
- Drive at reduced speeds, especially over rough terrain or during strong winds.
- Remove the bike rack when not in use to prevent unnecessary wear and tear and to improve fuel efficiency.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. While a detailed list is not provided, the package typically includes:

- Main steel frame assembly
- Aluminum bike rails (3 sets)
- Wheel stop brackets and straps (for 3 bikes)
- Frame attachment clamps/straps
- Mounting straps for vehicle attachment
- Assembly hardware (bolts, nuts, washers)
- Instruction manual

If any parts are missing or damaged, contact MENABO customer support immediately.

SETUP AND ASSEMBLY

The Polaris 3 Bike Rack requires some initial assembly before its first use. Follow these steps carefully:

1. **Unpack Components:** Carefully remove all parts from the packaging and lay them out on a clean, flat surface.
2. **Assemble Main Frame:** Connect the upper and lower sections of the steel frame if they are separate. Secure with the provided bolts and ensure they are tightened firmly.
3. **Attach Aluminum Rails:** Slide the aluminum rails onto the designated slots on the main frame. Ensure they are evenly spaced and secured.
4. **Install Wheel Stop Brackets:** Attach the wheel stop brackets to the aluminum rails. These brackets are adjustable to accommodate different wheelbases.
5. **Secure Frame Attachment Clamps:** Install the bike frame attachment clamps onto the vertical support bars. These clamps will hold the bike frames in place.



Figure 2: Detail of the frame attachment point, showing how the bike's top tube is secured.

Ensure all bolts and fasteners are tightened to the manufacturer's specifications. Do not overtighten.

INSTALLATION ON VEHICLE

The Polaris 3 Bike Rack is designed for rear vehicle mounting. Follow these steps for secure installation:

- 1. Prepare Vehicle:** Clean the areas of your vehicle where the rack will make contact to prevent scratching. Consider applying protective film or soft cloths.
- 2. Position Rack:** Place the bike rack on the rear of your vehicle, ensuring the lower support arms rest firmly on the bumper or trunk lid. The upper arms should rest on the top edge of the trunk or rear door.
- 3. Attach Upper Straps:** Hook the upper straps to the top edge of your trunk or rear door. Pull the straps tight to secure the top of the rack.
- 4. Attach Side Straps:** Hook the side straps to the side edges of your trunk or rear door. Tighten these straps to prevent lateral movement.
- 5. Attach Lower Straps:** Hook the lower straps to the bottom edge of your trunk or rear bumper. Tighten these straps to pull the rack firmly against the vehicle.

6. **Adjust and Verify:** Once all straps are attached, push and pull the rack to ensure it is stable and does not wobble. Re-tighten all straps if necessary. The rack should be firmly seated against the vehicle.



Figure 3: The Polaris 3 Bike Rack securely installed on the rear of a vehicle, demonstrating its capacity to carry multiple bicycles.

Periodically check the tightness of the straps during your journey, especially after the first few miles.

LOADING BIKES

Properly loading bikes is crucial for safe transport. The Polaris 3 is designed for up to three bikes, including Fat Bikes.

1. **Prepare Bikes:** Remove any loose items from your bikes such as water bottles, pumps, or bags.
2. **Position First Bike:** Place the first bike on the rail closest to the vehicle. Position the bike's wheels into the wheel stop brackets.
3. **Secure Wheels:** Use the provided straps to firmly secure the bike's wheels to the aluminum rails. Ensure the straps are tight and the wheels cannot move.
4. **Secure Bike Frame:** Attach the bike's top tube to the frame attachment clamp on the vertical support bar. Tighten the clamp to prevent the bike from swaying.
5. **Load Additional Bikes:** Repeat the process for the second and third bikes, alternating their direction if necessary to optimize spacing and prevent contact between bikes.
6. **Final Check:** Once all bikes are loaded, gently shake each bike to ensure it is securely fastened. Check for any potential contact points between bikes or between bikes and the vehicle. Adjust as needed.



Figure 4: Detailed view of the wheel securing mechanism, showing the strap and wheel stop bracket.



Figure 5: The Polaris 3 Bike Rack configured to hold three bicycles, highlighting its capacity.

OPERATION AND USAGE

Once the rack and bikes are securely installed, observe the following operational guidelines:

- **Driving:** Drive cautiously, especially when turning, braking, or driving over bumps. Avoid sudden maneuvers.
- **Speed:** Maintain a moderate speed. High speeds can increase wind resistance and stress on the rack and vehicle.
- **Clearance:** Be mindful of overhead and rear clearance, particularly when entering garages, car washes, or parking spaces.
- **Fuel Economy:** Expect a decrease in fuel economy due to increased aerodynamic drag.
- **Noise:** Some wind noise or minor vibrations may occur during travel. This is normal, but excessive noise or movement should prompt an immediate stop to check the rack's security.

MAINTENANCE

Regular maintenance will extend the life of your MENABO Polaris 3 Bike Rack:

- **Cleaning:** Clean the rack with mild soap and water after each use, especially if exposed to dirt, salt, or road grime. Rinse thoroughly and dry.
- **Inspection:** Periodically inspect all straps, buckles, bolts, and frame components for signs of wear, damage, or

corrosion. Replace any worn or damaged parts immediately.

- Lubrication:** Apply a small amount of silicone spray or light lubricant to moving parts and hinges to ensure smooth operation.
- Storage:** Store the bike rack in a dry, protected area when not in use. Avoid prolonged exposure to extreme weather conditions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Rack wobbles on vehicle	Straps are not tight enough; incorrect positioning.	Re-tighten all mounting straps. Ensure the rack is properly seated on the vehicle's contact points.
Bikes sway during transport	Bike frame clamps or wheel straps are loose.	Ensure all bike frame clamps are securely tightened and wheel straps are cinched down. Adjust bike positions if necessary.
Scratching on vehicle paint	Dirt/debris under contact points; insufficient protection.	Clean vehicle surface thoroughly before installation. Use protective film or soft cloths at contact points.
Difficulty fitting Fat Bikes	Wheel stop brackets not adjusted.	Adjust the wheel stop brackets on the aluminum rails to accommodate wider tires.

SPECIFICATIONS

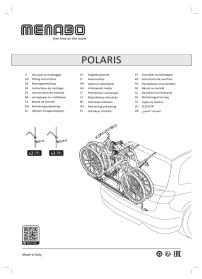
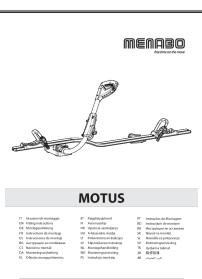
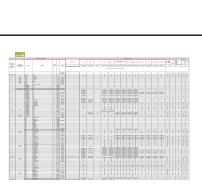
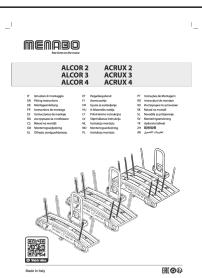
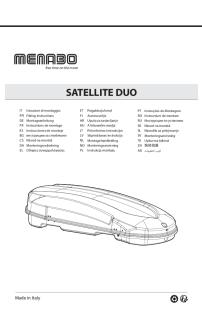
Feature	Detail
Product Name	MENABO Polaris 3 Bike Rack
Model Number	000089300000
Capacity	3 Bicycles
Load Capacity	45 kg (99 lbs)
Material	Steel frame, Aluminum rails
Mounting Type	Rear vehicle mount (strapless fixing system)
Color	Black-Silver
Dimensions (L x W x H)	20.47 x 22.44 x 49.21 inches (approx.)
Item Weight	30.8 pounds (approx.)
Compatibility	Designed for various vehicles, including Fat Bikes.

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please refer to the official MENABO website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Note: Product specifications and features are subject to change without prior notice.

Related Documents - 000089300000

	<p>MENABO POLARIS Bike Rack - Installation and User Manual</p> <p>Comprehensive guide for installing and using the MENABO POLARIS bike rack. Includes parts list, assembly instructions, compatibility information, and specifications for Polaris 2 and Polaris 3 models.</p>
	<p>Menabo Motus Bike Rack: Installation Guide and Specifications</p> <p>Comprehensive installation guide for the Menabo Motus bike rack, detailing component identification, assembly steps, bicycle loading, specifications, and safety precautions.</p>
	<p>Vehicle Compatibility Guide for Bike Racks</p> <p>A comprehensive guide detailing the compatibility of various car models with different bike rack systems, including specific roof types and vehicle features.</p>
	<p>Menabò Alcor & Acrux Bike Racks: Installation and User Manual</p> <p>Comprehensive guide to installing and using Menabò Alcor and Acrux series bike racks. Includes parts lists, assembly instructions, specifications, and safety guidelines for various models.</p>
	<p>Menabo Satellite Duo Roof Carrier Assembly Instructions</p> <p>Comprehensive guide for assembling and fitting the Menabo Satellite Duo roof carrier system. Includes detailed parts list, step-by-step visual instructions translated into text, dimensions, and safety loading information.</p>
	<p>Menabo MANIA 320 MARATHON 320 Roof Box Fitting Instructions and Guide</p> <p>Comprehensive fitting and installation guide for the Menabo MANIA 320 MARATHON 320 roof box. Includes parts list, assembly steps, safety guidelines, and specifications. Learn how to safely mount and use your Menabo cargo box.</p>

