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Allen 532RR

Allen Deluxe 3-Bike Hitch Mount Rack User Manual

Model: 532RR | Brand: Allen Sports

INTRODUCTION

This manual provides comprehensive instructions for the assembly, installation, operation, maintenance, and troubleshooting of your Allen Deluxe 3-Bike Hitch Mount Rack (Model 532RR). Designed for vehicles with either a 1.25-inch or 2-inch trailer hitch, this rack offers a secure and convenient way to transport up to three bicycles. Please read this manual thoroughly before use to ensure safe and proper operation.

SETUP AND INSTALLATION

Follow these steps to properly assemble and install your Allen Deluxe 3-Bike Hitch Mount Rack.

Video Guide: Installation of Model 532RR



This video demonstrates the complete installation process for the Allen Model 532RR hitch rack, including assembly of components, attaching the rack to the vehicle's hitch receiver, and securing it with the no-wobble bolt. It also shows how to fold the arms and tilt the rack for access.

Step-by-Step Installation

- Unpack Components:** Carefully remove all parts from the packaging. Verify all components are present according to the packing list.
- Assemble Main Mast:** Attach the main mast to the hitch insert. Ensure all bolts are tightened securely.
- Attach Carry Arms:** Slide the carry arms onto the main mast and secure them with the provided hardware. These arms can be folded down when not in use.



Image: Detailed view of the individual tie-down cradles on the rack's carry arms, designed to secure and protect bicycles.

4. **Install Rack onto Vehicle:** Insert the hitch receiver into your vehicle's hitch. Align the holes and insert the no-wobble bolt. Tighten the bolt firmly to eliminate movement.



Image: Close-up view of the hitch pin and bolt mechanism, showing how the rack connects to the vehicle's receiver.



Image: The Allen Deluxe 3-Bike Hitch Mount Rack securely installed on the rear of an SUV, demonstrating its upright position.

5. **Check Stability:** Ensure the rack is stable and does not wobble. Re-tighten any loose bolts if necessary.

OPERATING INSTRUCTIONS

Proper operation ensures the safety of your bicycles and vehicle.

1. Loading Bicycles:

- Lift each bicycle and place its top tube onto the rack's carry arms.
- Utilize the patented tie-down cradle system to individually secure each bicycle. Wrap the straps around the bike frame and through the cradles, ensuring a snug fit.
- For optimal stability, load the heaviest bike closest to the vehicle.



Image: The Allen bike rack with bicycles loaded, demonstrating how bikes are secured to the carry arms.

2. **Folding Carry Arms:** When not transporting bikes, the carry arms can be folded down. Locate the quick-release pin or lever at the base of the arms, disengage it, and fold the arms downwards. Re-engage the pin to secure them in the

folded position.

3. **Tilting Rack for Vehicle Access:** The rack features a tilt-back system for easy access to your vehicle's rear cargo area (e.g., lift-gate). Follow the instructions for your specific model to release the tilt mechanism, allowing the rack to pivot away from the vehicle.

MAINTENANCE

Regular maintenance will prolong the life of your bike rack.

- **Cleaning:** Clean the rack periodically with mild soap and water. Rinse thoroughly and dry to prevent rust. Avoid harsh chemicals or abrasive cleaners.
- **Lubrication:** Apply a light lubricant to moving parts, such as the folding arm hinges and tilt mechanism, every few months or as needed to ensure smooth operation.
- **Inspect Hardware:** Regularly check all bolts, nuts, and pins for tightness. Re-tighten any loose fasteners to prevent wobbling and ensure safety. Pay special attention to the no-wobble bolt.
- **Strap Inspection:** Inspect the tie-down straps and cradles for any signs of wear, tears, or damage. Replace worn components immediately to ensure bikes remain secure.
- **Storage:** When not in use, store the rack in a dry place to protect it from the elements and extend its lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Rack wobbles excessively in hitch.	No-wobble bolt not tightened sufficiently or incorrect hitch size.	Ensure the no-wobble bolt is fully tightened. Verify your vehicle's hitch receiver is either 1.25 or 2 inches and the correct adapter (if applicable) is used.
Bikes are not secure or rub together.	Tie-down cradles not properly used or bikes improperly loaded.	Ensure each bike is individually secured with its tie-down cradles. Adjust bike positions to prevent contact. Consider using additional straps for extra security if needed.
Carry arms are difficult to fold or unfold.	Lack of lubrication or obstruction.	Apply a light lubricant to the pivot points of the folding arms. Check for any debris or obstructions preventing smooth movement.
Rack does not tilt back smoothly.	Tilt mechanism is stiff or obstructed.	Lubricate the tilt mechanism's pivot points. Ensure the quick-release pin is fully disengaged before attempting to tilt.

SPECIFICATIONS

- **Model:** 532RR


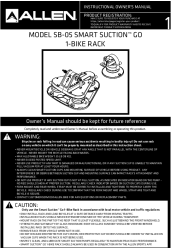
- **Capacity:** 3 Bicycles
- **Hitch Compatibility:** 1.25-inch or 2-inch Receiver
- **Carry Arm Length:** 16 inches
- **Construction Material:** Steel
- **Finish:** Black Powder Coat
- **Item Weight:** 22.6 pounds
- **Product Dimensions (L x W x H):** 16.6 x 4 x 25.9 inches
- **UPC:** 765271532000

WARRANTY AND SUPPORT

The Allen Deluxe 3-Bike Hitch Mount Rack comes with a **Lifetime Warranty** from Allen Sports, covering defects in materials and workmanship. For warranty claims, technical support, or replacement parts, please contact Allen Sports directly.
Official Website: www.allensportsusa.com
Please retain your proof of purchase for warranty purposes.

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Related Documents - 532RR

	<p>Allen SB-05 Smart Suction™ Go 1-Bike Rack User Manual</p> <p>Comprehensive user manual for the Allen SB-05 Smart Suction™ Go 1-bike rack, covering installation, usage, pairing with the Allen Sports app, troubleshooting, and maintenance. Learn how to safely transport your bicycle.</p>
	<p>Allen SB-05 Smart Suction Go 1-Bike Rack: Owner's Manual & Setup Guide</p> <p>Comprehensive owner's manual and setup guide for the Allen SB-05 Smart Suction Go 1-Bike Rack. Learn how to install, use, and maintain your bike rack for secure transport.</p>

	<p>Allen SB-01 Smart Suction 1-Bike Rack: Owner's Manual and Installation Guide</p> <p>Comprehensive owner's manual and installation guide for the Allen SB-01 Smart Suction 1-Bike Rack. Learn how to assemble, install, adjust, use, and maintain your bike rack for secure bicycle transport.</p>
	<p>Allen SB-05 Smart Suction™ Go 1-Bike Rack User Manual</p> <p>Comprehensive user manual for the Allen SB-05 Smart Suction™ Go 1-Bike Rack. Covers product registration, safety warnings, parts list, installation, app integration, troubleshooting, and maintenance for secure bicycle transport.</p>
	<p>Allen SB-05 Smart Suction™ Go 1-Fahrradträger Bedienungsanleitung</p> <p>Diese Bedienungsanleitung von Allen Sports USA bietet detaillierte Anweisungen zur Installation, Verwendung und Wartung des SB-05 Smart Suction™ Go 1-Fahrradträgers. Erfahren Sie, wie Sie Ihr Fahrrad sicher auf Ihrem Fahrzeug montieren und die Funktionen des Trägers, einschließlich der App-Konnektivität, optimal nutzen.</p>
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