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Kuat B204

KUAT Beta Hitch-Mounted Bike Rack Instruction Manual

Model: B204 (1.25" Hitch Size)

Brand: Kuat

1. INTRODUCTION AND OVERVIEW

The Kuat Beta Hitch-Mounted Bike Rack is engineered for secure and convenient transportation of up to two bicycles. This hanging-style rack is constructed from high-quality aluminum with a durable powder-coated finish, ensuring both lightweight handling and robust performance. Its design prioritizes ease of use, featuring a hand-tight cam system for stability and a tilting function for vehicle access.

The Beta rack is designed to be nimble and efficient, weighing approximately 14 pounds, making it easy to install, remove, and store. It accommodates two bicycles, with a maximum weight capacity of 40 pounds per bike, totaling 80 pounds.





Image 1.1: The Kuat Beta Hitch-Mounted Bike Rack, showcasing its compact and upright design.

2. SAFETY INFORMATION

Before each use, inspect the bike rack for any signs of damage, wear, or loose components. Ensure all connections are secure and that the rack is properly seated in the hitch receiver.

- **Weight Capacity:** Do not exceed the maximum load capacity of 80 pounds total, or 40 pounds per bicycle. Overloading can lead to rack failure and potential accidents.
- **Vehicle Clearance:** Verify that the loaded rack does not obstruct your vehicle's taillights, license plate, or rear visibility. Adjust bikes as necessary.

- **Secure Bikes:** Always use all provided anti-sway carriages and rubber straps to secure bicycles firmly to the rack. Bikes should not swing or move excessively during transit.
- **Driving Habits:** Drive cautiously, especially over bumps or during turns, as the added weight and length can affect vehicle handling. Reduce speed on rough roads.
- **Proposition 65 Warning:** This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

3. COMPONENTS LIST

The Kuat Beta Hitch-Mounted Bike Rack includes the following main components:

- Main Rack Assembly (vertical mast and hitch arm)
- Bike Support Arms (horizontal arms with cradles)
- Anti-Sway Carriages (integrated into bike support arms)
- Rubber Straps (for securing bike frames)
- Hand-Tight Cam System (for securing rack in hitch receiver)
- Gated Hitch Pin (for primary hitch connection)



Image 3.1: Detail of the bike cradles and securing straps.

4. SETUP AND INSTALLATION

The Kuat Beta rack is designed for straightforward installation. No complex assembly is required out of the box.

1. **Prepare the Hitch:** Ensure your vehicle's 1.25-inch hitch receiver is clean and free of debris.
2. **Insert Rack:** Slide the hitch arm of the Beta rack into your vehicle's hitch receiver.
3. **Secure with Pin:** Align the pin hole on the hitch arm with the hole on your vehicle's receiver. Insert the gated hitch pin through both holes and secure it.
4. **Engage Cam System:** Tighten the hand-tight cam system located on the hitch arm. This system expands within the receiver to eliminate wobble and provide a secure, rattle-free fit. Turn the knob clockwise until it is hand-tight.
5. **Unfold Support Arms:** If the rack is in its folded storage position, release the pin at the base of the vertical mast and pivot the bike support arms upwards until they lock into place. Re-insert the pin to secure the arms.

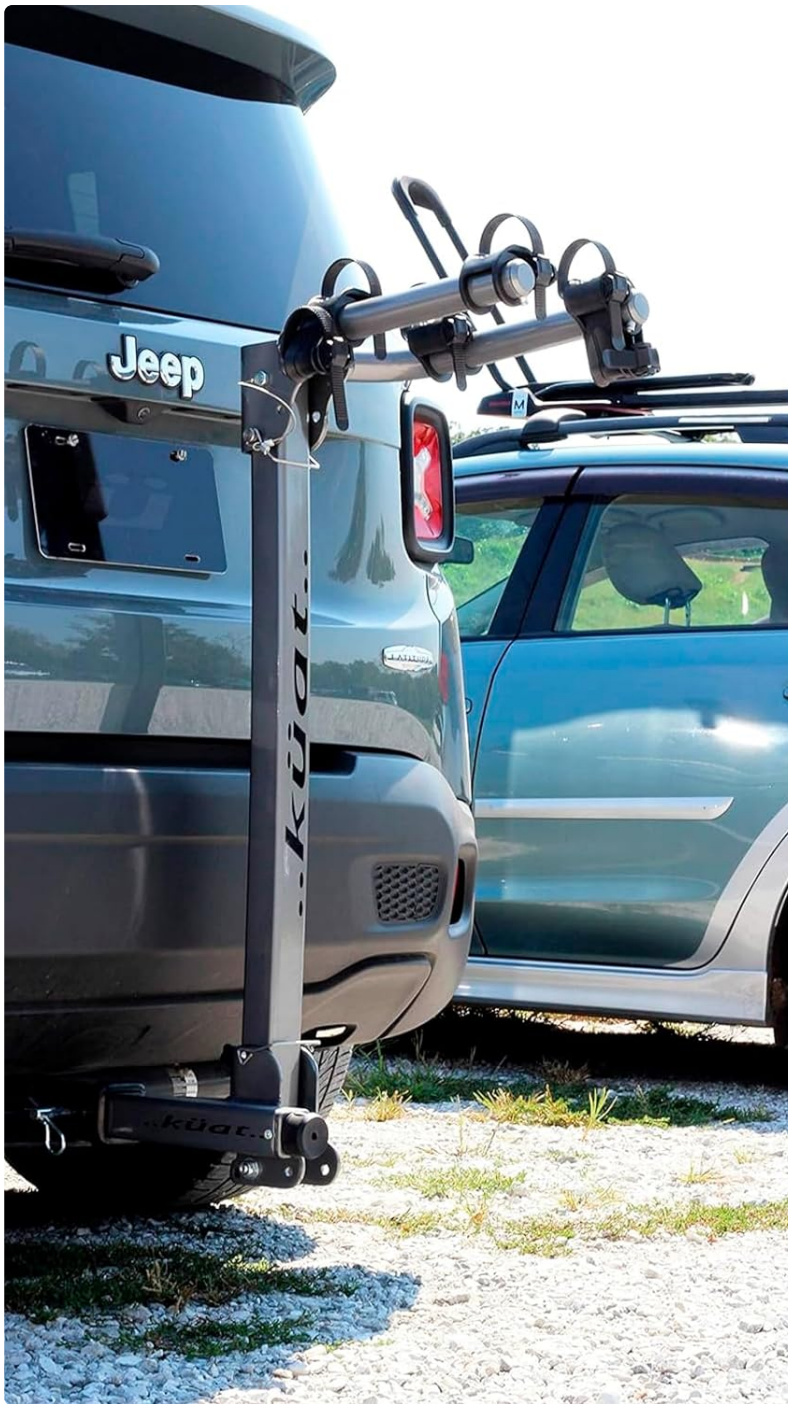


Image 4.1: Illustrates the ease of installation into a vehicle's hitch.

5. OPERATING INSTRUCTIONS

Once installed, the Kuat Beta rack is ready for use.

1. **Loading Bicycles:** Lift each bicycle and place its top tube onto the cradles of the support arms. Ensure the bike is centered and balanced.
2. **Secure Bikes with Straps:** Wrap the rubber straps around the bicycle's frame and secure them firmly into the cradles. Utilize the anti-sway carriages to prevent bike-to-bike and bike-to-rack contact during transit.
3. **Tilting Down for Access:** To access your vehicle's rear cargo area without removing the rack, locate the tilt mechanism (typically a pin or lever near the base of the vertical mast). Release it and carefully tilt the rack downwards. After accessing your cargo, lift the rack back into its upright position until it locks securely.
4. **Folding for Storage:** When not in use, the rack can be folded for compact storage. Release the pin securing the bike support arms in the upright position and fold them down parallel to the vertical mast. This allows the rack to be stored in smaller spaces, such as a vehicle's trunk or garage corner.



BETA

Number of Bikes

2

Weight Per Bike

40 lb

36 kg

Image 5.1: The Kuat Beta rack with a bicycle securely loaded for transport.



Image 5.2: The Kuat Beta rack in its folded position, ready for compact storage.

6. MAINTENANCE

Regular maintenance will prolong the life and ensure the safe operation of your Kuat Beta bike rack.

- **Cleaning:** Clean the rack periodically with mild soap and water to remove dirt, road grime, and salt. Rinse thoroughly and dry to prevent corrosion, especially on the powder-coated aluminum finish.
- **Inspect Connections:** Regularly check all bolts, pins, and the hand-tight cam system for tightness. Re-tighten as necessary.
- **Strap Inspection:** Inspect the rubber straps for cracks, tears, or excessive wear. Replace any damaged straps immediately to ensure secure bike attachment.
- **Lubrication:** Apply a small amount of silicone spray or light grease to moving parts, such as the tilt mechanism and folding joints, to ensure smooth operation.
- **Storage:** When not in use, store the rack in a dry, protected area to prevent exposure to harsh weather conditions, which can degrade materials over time.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Rack wobbles excessively in hitch receiver.	Hand-tight cam system not fully engaged or loose.	Ensure the hand-tight cam system knob is turned clockwise until it is completely tight. Check that the hitch pin is fully inserted and secured.

Problem	Possible Cause	Solution
Bikes are not secure or sway during transport.	Rubber straps are loose or damaged; anti-sway carriages not properly positioned.	Ensure all rubber straps are tightly secured around the bike frame. Adjust the anti-sway carriages to firmly contact the bike frame, minimizing movement. Replace worn or damaged straps.
Rack is difficult to tilt or fold.	Moving parts are stiff or dirty.	Clean the pivot points and apply a lubricant (e.g., silicone spray) to ensure smooth operation. Check for any obstructions.

8. SPECIFICATIONS



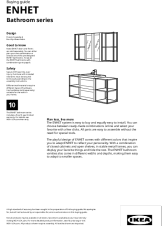



- **Model Name:** BE12G
- **Part Number:** B204
- **Hitch Size:** 1.25 inches
- **Bike Capacity:** 2 Bicycles
- **Load Capacity:** 80 lbs (total), 40 lbs per bike
- **Material:** Aluminum
- **Finish:** Powder Coated
- **Color:** Gray
- **Item Dimensions (L x W x H):** 44 x 13 x 9 inches
- **Item Weight:** Approximately 14 lbs
- **Mounting Type:** Hitch Mount
- **UPC:** 896581002065, 896581002966

9. WARRANTY AND SUPPORT

The Kuat Beta Hitch-Mounted Bike Rack comes with a Limited Warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the warranty documentation included with your product or visit the official Kuat website.

For product support, technical assistance, or to inquire about replacement parts, please visit the Kuat Store online or contact Kuat customer service directly. Contact information can typically be found on the Kuat official website.

Visit the Kuat Store: [Kuat Store on Amazon](#)

 <p>SHERPA™ 2.0</p> <p>RACK PACKAGING IS AN ASSEMBLY FIXTURE. READ UNBOXING INSTRUCTIONS TO EASE ASSEMBLY.</p>	<p>Kuat Sherpa 2.0 Hitch Rack Assembly and Installation Guide</p> <p>Comprehensive guide for assembling, installing, and loading bicycles onto the Kuat Sherpa 2.0 hitch rack. Includes parts list, step-by-step instructions, safety warnings, and warranty information.</p>
 <p>TRIO</p>	<p>Kuat Trio Bike Rack User Manual and Warranty Information</p> <p>Comprehensive guide for the Kuat Trio bike rack, covering installation, usage, and limited lifetime warranty details. Learn how to mount your bike securely and understand the terms of Kuat's warranty.</p>
 <p>ENHET Bathroom series</p>	<p>IKEA ENHET Bathroom Series Buying Guide</p> <p>Explore the IKEA ENHET bathroom series, a versatile and stylish collection for your bathroom. This guide covers planning, combinations, individual parts, accessories, sinks, faucets, knobs, handles, and lighting, helping you create a personalized and functional bathroom space.</p>
 <p>ENHET Bathroom series</p>	<p>IKEA ENHET Bathroom Series: Complete Guide to Vanities, Storage & Design</p> <p>Explore the IKEA ENHET bathroom series. Find complete bathroom solutions, modular storage units, cabinets, sinks, faucets, and lighting. Design your perfect bathroom with ENHET's flexible and stylish options.</p>
	<p>Faucet Repair Parts Catalog and Guide</p> <p>Comprehensive catalog of faucet repair parts and replacement components for various brands including Acorn, American Standard, Delta, Moen, and more. Find detailed part numbers, descriptions, and compatibility information.</p>
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