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› Meeviz SCOUT Ebike Hitch Rack User Manual

Meeviz M091

Meeviz SCOUT Ebike Hitch Rack User Manual

Model: M091

INTRODUCTION

Thank you for choosing the Meeviz SCOUT Ebike Hitch Rack. This manual provides essential information for the safe and efficient assembly, operation, and maintenance of your new bike rack. Please read this manual thoroughly before use and retain it for future reference.

PRODUCT OVERVIEW

The Meeviz SCOUT Ebike Hitch Rack is designed for secure and convenient transport of up to two bicycles, including ebikes, mountain bikes, fat tire bikes, and standard bicycles. It features a robust construction with a total capacity of 200 lbs (100 lbs per bike). Its innovative design allows for easy tilting and folding, providing convenient trunk access and compact storage.



Figure 1: Meeviz SCOUT Ebike Hitch Rack main view.

Key Features:

- **Enhanced Durability:** Robust construction supporting up to 200 lbs total, 100 lbs per bike.
- **Tilting & Folding Design:** Folds for space-saving storage and tilts down for easy trunk access (does not fit swing-out tailgates).
- **Secure & Stability:** Features a thread-locking hitch pin and anti-sway receiver insert to prevent wobble. Adjustable wheel cradles with tire straps secure wheels.
- **Anti-Scratch Protection:** Soft frame clamps with locks ensure secure fastening without scratching bike paint.
- **Versatile Compatibility:** Fits bikes with wheelbases up to 50" and tires up to 5" wide, with wheel sizes between 20"-29". Suitable for standard, fat tire, mountain, and electric bikes.

WHAT'S IN THE BOX

Upon unpacking, please verify that all components listed below are present:

- Bike Rack Assembly
- Hitch Pin Lock
- Safety Strap
- Instruction Manual (this document)

SETUP AND INSTALLATION

The Meeviz SCOUT Hitch Rack is designed for simple assembly and mounting onto a 2-inch hitch receiver. Follow these steps for proper installation:

1. **Assemble the Rack:** Refer to the included step-by-step instruction manual for detailed assembly of the rack components. Ensure all bolts are securely tightened.
2. **Insert into Hitch Receiver:** Slide the rack's hitch arm into your vehicle's 2-inch hitch receiver.
3. **Secure with Hitch Pin Lock:** Align the hitch pin hole and insert the provided thread-locking hitch pin. Tighten the pin to secure the rack and engage the anti-sway receiver insert to prevent wobble.

Threaded 2" Receiver Hitch Locking Pin with Anti-Rattle Hitch Insert



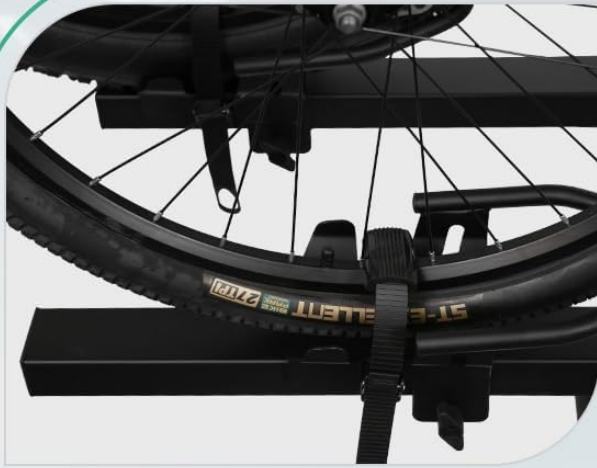
Figure 2: Secure the rack using the threaded hitch pin and anti-rattle insert.

4. **Adjust Wheel Cradles:** Position the adjustable wheel cradles to accommodate your bike's wheelbase (up to 50 inches) and tire width (up to 5 inches).

ADJUSTABLE WHEEL CRADLES

with high-strength extended straps

the straps can withstand
breaking strengths up to 500 lbs



Tailor-made for different tire widths



Road



MTB



Fat Tire

Figure 3: Adjustable wheel cradles for various tire widths.

5. **Prepare Frame Clamps:** Ensure the soft frame clamps are in an open position, ready to receive the bike frame.

Note: For step-through bikes, an extra bike adapter bar is required for proper and secure mounting.



ONE RACK ANY BIKE

Compatible with the majority of bicycles

NOTE: For step-through bikes, extra top bars are required to properly secure them to the rack.

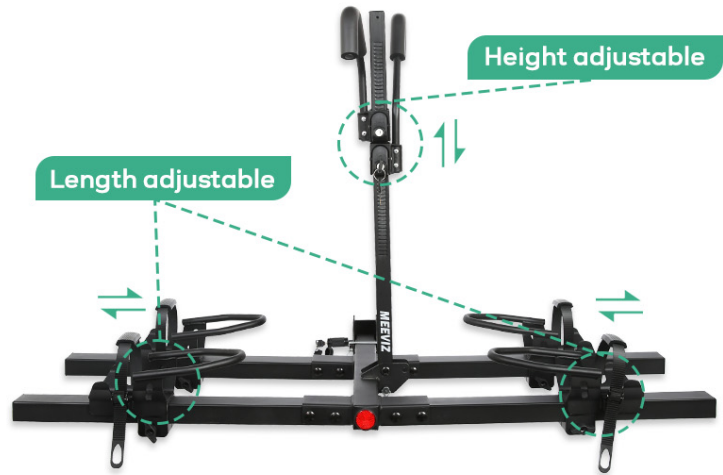


Figure 4: The rack is compatible with various bike types, but step-through bikes require an adapter bar.

OPERATING INSTRUCTIONS

Loading Bikes:

1. Place the first bike onto the rack, ensuring its wheels rest securely in the adjustable wheel cradles.
2. Lower the soft frame clamps over the bike's top tube and lock them into place. This prevents wobbling and protects the bike's finish.
3. Secure the wheels using the provided tire straps. Ensure the straps are tight and the wheels cannot spin.
4. Repeat for the second bike, if applicable.
5. Attach the safety strap to the bikes and rack as an additional security measure.

CARRY 2 BIKES AND E-BIKES

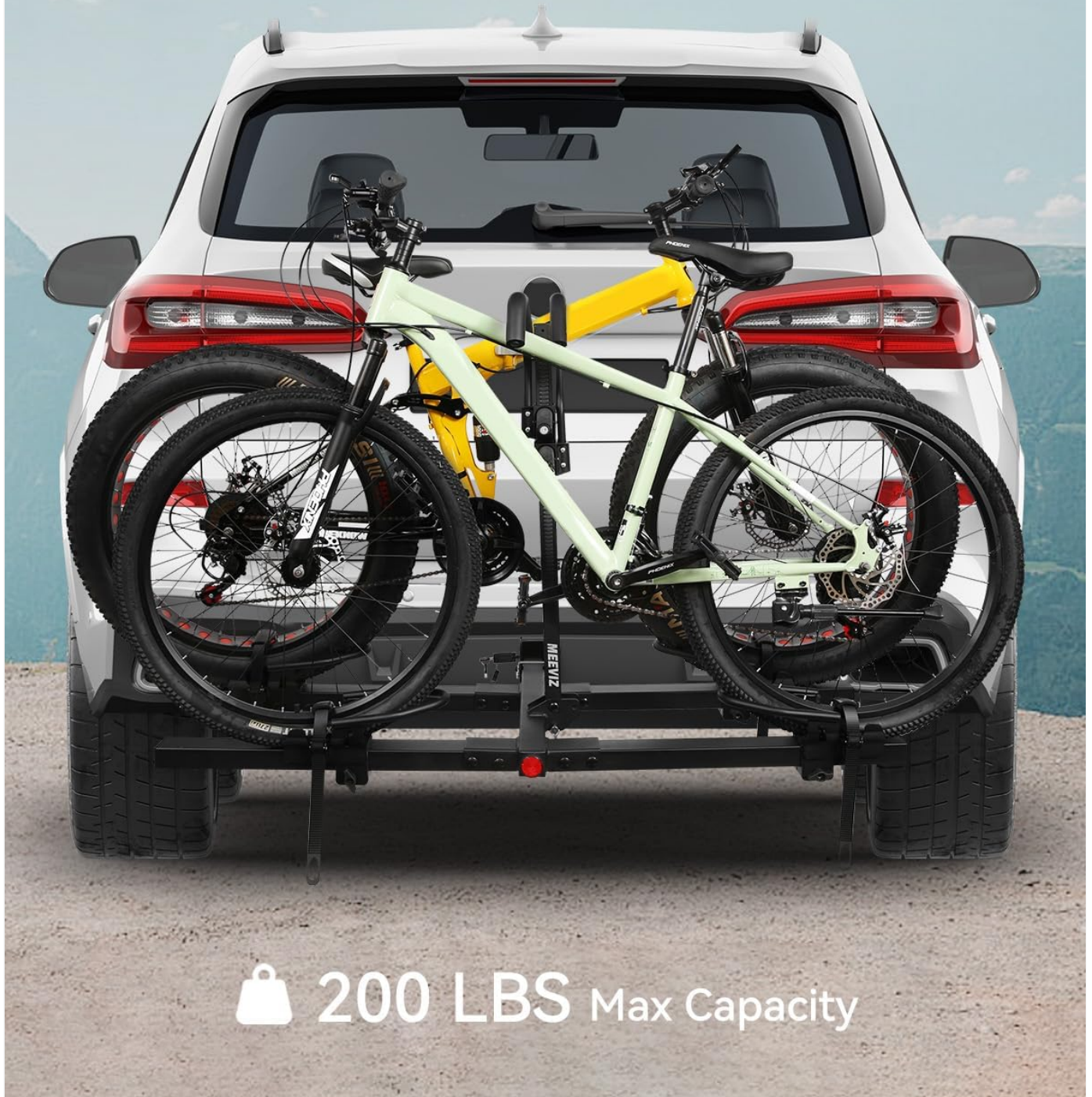


Figure 5: The rack can carry two bikes with a maximum capacity of 200 lbs.

Tilting Function for Trunk Access:

To access your vehicle's trunk without removing the bikes, utilize the tilting feature:

1. Locate the quick-release pin mechanism near the base of the rack where it connects to the hitch arm.
2. Pull the quick-release pin to disengage the locking mechanism.
3. Carefully tilt the entire rack assembly downwards, away from the vehicle.

4. Once you have accessed your trunk, lift the rack back into its upright position until the quick-release pin re-engages and locks securely.

Important: This tilting function does NOT fit vehicles with swing-out tailgates.

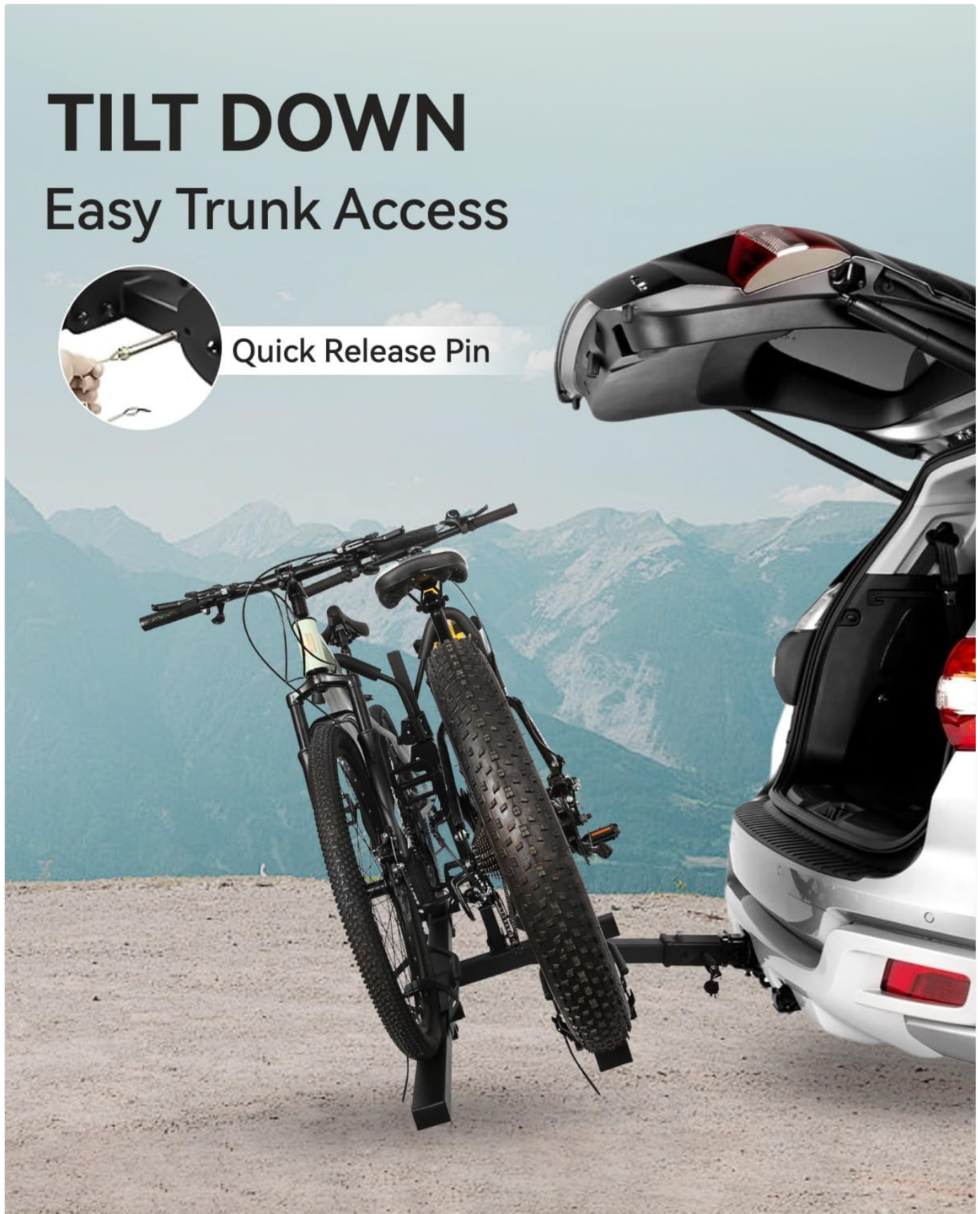


Figure 6: Tilting the rack provides easy access to the vehicle's trunk.

Folding for Storage:

When not in use, the rack can be folded up for compact storage or when driving without bikes:

1. Ensure no bikes are loaded on the rack.
2. Locate the quick-release pin mechanism that allows the main arms to fold upwards.
3. Pull the pin and fold the arms upwards until they lock into the folded position.

FOLDS AWAY

Folds up when not in use



Quick Release Pin



Figure 7: The rack folds away compactly when not in use.

MAINTENANCE

Regular maintenance will ensure the longevity and safe operation of your Meeviz SCOUT Hitch Rack:

- **Cleaning:** Clean the rack regularly with mild soap and water. Rinse thoroughly and dry to prevent rust.
- **Inspect Fasteners:** Periodically check all bolts, nuts, and pins to ensure they are tight and secure. Re-tighten as necessary.
- **Lubrication:** Apply a light lubricant to moving parts, such as the tilting and folding mechanisms, to ensure smooth operation.
- **Strap Condition:** Inspect tire straps and safety straps for any signs of wear, fraying, or damage. Replace if necessary.
- **Storage:** When not in use, store the rack in a dry place, preferably indoors, to protect it from the elements.

TROUBLESHOOTING

If you encounter any issues with your Meeviz SCOUT Hitch Rack, please refer to the common problems and solutions below:

Problem	Possible Cause	Solution
Rack wobbles excessively.	Hitch pin not fully tightened; anti-sway insert not engaged.	Ensure the thread-locking hitch pin is fully tightened and the anti-sway receiver insert is properly engaged.
Bikes are not secure.	Frame clamps or tire straps are loose; incorrect bike placement.	Ensure soft frame clamps are locked and tire straps are tightly secured. Verify bikes are properly seated in wheel cradles.
Rack does not tilt or fold smoothly.	Mechanism is dirty or lacks lubrication.	Clean the tilting/folding mechanisms and apply a light lubricant.
Cannot close trunk with rack tilted.	Vehicle has a swing-out tailgate.	The rack is not compatible with swing-out tailgates. Consider removing the rack for full tailgate access.

If the issue persists, please contact Meeviz customer support for further assistance.

SPECIFICATIONS

Attribute	Detail
Brand	Meeviz
Model	SCOUT (M091)
Color	Black
Load Capacity	200 Pounds (Max 100 lbs per bike)
Item Dimensions (L x W x H)	54 x 38 x 38 inches
Item Weight	45.9 pounds
Mounting Type	Strap, Wheel Cradle, Frame Clamp with Lock

Attribute	Detail
Automotive Fit Type	Universal Fit (for 2" hitch receiver)
Max Wheelbase	50 inches
Max Tire Width	5 inches
Wheel Size Compatibility	20" - 29"

WARRANTY AND SUPPORT

Meeviz is committed to providing high-quality products and excellent customer service. Your Meeviz SCOUT Hitch Rack is backed by our professional customer service team.

For any questions, assistance, or warranty inquiries, please contact us via Amazon. Our 24/7 customer support team is ready to help.

Returns: This product is eligible for 30-day easy returns.

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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.

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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

Answered questions about this manual

I don't have the bag of bolts needed for the assembly of the Meeviz Scout 2 bike rack. How do I get it?

If your Meeviz SCOUT Ebike Hitch Rack (Model M091) is missing the assembly hardware, you should contact the manufacturer directly for a replacement set. According to the manual, Meeviz provides support through the following...

[Read full answer](#)

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