

Meeviz MV086

MEEVIZ 4-Bike Rack Hitch Mount (Model MV086) Instruction Manual

For Car, SUV, Truck, RV, Van, and Trailer

1. INTRODUCTION

This manual provides essential instructions for the safe and proper installation, operation, and maintenance of your MEEVIZ 4-Bike Rack Hitch Mount. Please read all instructions carefully before use and retain this manual for future reference.

Key Features:

- **4-Bike Capacity with eBike Support:** Holds up to 4 bikes, including electric bikes (eBikes). Total weight capacity 260 lbs—inner bike positions support 80 lbs each, outer positions 50 lbs each.
- **Heavy-Duty Steel Construction:** Built from high-strength steel with a rust-resistant coating for lasting durability.
- **4-to-2 Bike Convertible Design:** Easily converts from a 4-bike rack to a 2-bike rack by removing the add-on frames.
- **Scratch-Free & Enhanced Safety:** Features soft padded hooks to protect bike frames from scratches, plus security straps on tire cradles for extra stability.
- **Universal 2-Inch Receiver Fit:** Compatible with most vehicles featuring a 2-inch hitch receiver.

2. WHAT'S IN THE BOX

The MEEVIZ 4-Bike Rack Hitch Mount package includes the following components:

- 1 x MEEVIZ 4-Bike Rack Hitch Mount
- All necessary mounting hardware (bolts, nuts, washers, pins)
- Security straps for tire cradles

3. SPECIFICATIONS

Attribute	Detail
Model Number	MV086
Color	Black
Material	Alloy Steel
Item Dimensions (L x W x H)	52.36 x 48.43 x 32.28 inches
Item Weight	61.9 Pounds
Load Capacity	260 Pounds (Total)
Per Bike Capacity (Inner)	80 Pounds
Per Bike Capacity (Outer)	50 Pounds
Is Foldable	Yes
Mounting Type	Strap, Wheel Cradle
Vehicle Service Type	Car, RV, SUV, Trailer, Truck, Van

4. SETUP AND INSTALLATION

Follow these steps to properly install your MEEVIZ 4-Bike Rack Hitch Mount onto your vehicle's 2-inch hitch receiver.

4.1 Attaching the Rack to the Vehicle Hitch

1. Insert the main hitch arm of the bike rack into your vehicle's 2-inch hitch receiver.
2. Align the hitch pin hole on the rack with the hole on your vehicle's receiver.
3. Insert the hitch pin through the aligned holes and secure it with the provided clip.
4. Tighten the anti-wobble bolt (if included) to eliminate any play between the rack and the hitch receiver.



Image: MEEVIZ 4-Bike Rack Hitch Mount securely attached to a vehicle's hitch receiver.

4.2 Assembling the Bike Holding Arms and Wheel Cradles

1. Attach the main vertical support arm to the hitch base using the provided bolts and pins. Ensure all connections are secure.
2. Slide the horizontal bike holding arms onto the vertical support.
3. Attach the wheel cradles to the horizontal arms. These are adjustable to accommodate various tire sizes, including fat tires up to 5 inches.
4. Secure all components with the provided hardware, ensuring no loose parts.

Fit Tires Up to 5" Fat Tires



Image: Close-up of adjustable wheel cradles designed to fit tires up to 5 inches wide.

Adjustable Hooks And Wheel Cradles

Widely Applicable To 17"-29" Bikes



Image: Adjustable hooks and wheel cradles providing versatility for bikes ranging from 17 to 29 inches.

5. OPERATING INSTRUCTIONS

5.1 Loading Bikes

1. Place the first bike into the innermost position. Ensure the wheels rest securely in the cradles.
2. Lower the padded hook onto the bike's frame and secure it firmly.
3. Use the security straps to fasten the bike's wheels to the cradles, preventing movement during transport.
4. Repeat for additional bikes, alternating handlebar directions to maximize space and prevent contact between bikes. Place heavier bikes (e.g., eBikes) in the inner positions first.

Carry Up To 4 Bikes



Image: Four bikes, including mountain bikes and fat tire bikes, securely loaded onto the MEEVIZ rack on the back of an SUV.



Image: Detail of the anti-scratch padded hooks and security straps ensuring bikes are held firmly without damage.

5.2 4-to-2 Bike Convertible Design

To convert the rack from a 4-bike capacity to a 2-bike capacity:

1. Remove the outer add-on frames by disengaging their securing pins/bolts.
2. Store the removed frames safely.
3. Ensure any remaining components are securely fastened.

Convert the "4-bike rack" into a "2-bike rack"



1. Remove the add-on rack



2. You will get a 2-bike rack

Image: Visual guide demonstrating how to remove the outer sections to convert the 4-bike rack into a 2-bike rack.

5.3 Folding and Tilting Functions

The rack features folding and tilting mechanisms for convenience:

- **Folding:** When not in use, the vertical support and horizontal arms can be folded upwards against the vehicle to reduce the rack's footprint. Follow the specific release mechanism (pin/lever) to fold.
- **Tilting:** To access your vehicle's trunk or tailgate without removing the bikes, use the tilting function. Engage the

release mechanism (usually a lever or pin) to tilt the loaded rack downwards. Ensure the rack is securely locked back into the upright position before driving.

6. MAINTENANCE

- Regularly inspect all bolts, nuts, and pins for tightness. Tighten as needed.
- Check straps and padded hooks for wear and tear. Replace if damaged.
- Clean the rack periodically with mild soap and water to remove dirt and road grime.
- Lubricate moving parts (e.g., folding/tilting mechanisms) annually or as needed to ensure smooth operation.
- Store the rack in a dry place when not in use to prevent rust and prolong its lifespan.

7. TROUBLESHOOTING

- **Rack Wobbles:** Ensure the anti-wobble bolt is fully tightened. Check that the hitch pin is correctly inserted and secured.
- **Bikes Shift During Transport:** Verify that all padded hooks are firmly secured to the bike frames and all wheel straps are tight. Ensure handlebars are alternated for optimal spacing.
- **Difficulty Folding/Tilting:** Check for any obstructions or debris in the mechanism. Apply lubricant if necessary. Ensure release pins/levers are fully engaged.

8. SAFETY GUIDELINES

- Do not exceed the maximum weight capacity of 260 lbs total, or 80 lbs per inner bike and 50 lbs per outer bike.
- Always ensure the rack is securely attached to the vehicle's hitch receiver before loading bikes.
- Verify that all bikes are properly secured to the rack with padded hooks and wheel straps.
- Check the rack and bikes regularly during long trips for any signs of loosening or shifting.
- Be aware of the increased length and width of your vehicle when the bike rack is installed, especially when backing up or maneuvering in tight spaces.
- Do not use the bike rack if any parts are damaged or missing.

9. WARRANTY AND SUPPORT

The MEEVIZ 4-Bike Rack Hitch Mount comes with a**Lifetime Warranty** from the manufacturer. For warranty claims, technical support, or any questions regarding your product, please refer to the contact information provided with your purchase documentation or visit the official Meeviz store on Amazon.

Meeviz Store: [Visit the Meeviz Store](#)

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