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› WEIZE 2 E-Bike Rack Instruction Manual

WEIZE CCA-1003

WEIZE 2 E-Bike Rack Instruction Manual

Model: CCA-1003 | Brand: WEIZE

1. INTRODUCTION

Thank you for choosing the WEIZE 2 E-Bike Rack. This hitch-mounted bike rack is designed to securely transport up to two electric bicycles, offering robust construction, smart features, and ease of use. Please read this manual thoroughly before assembly, installation, and operation to ensure safe and optimal performance. Keep this manual for future reference.



Figure 1: Main view of the WEIZE 2 E-Bike Rack.

2. KEY FEATURES

- **Anti-Wobble & Anti-Theft Design:** Features a key locking device for wobble-free installation into a 2-inch hitch receiver, providing enhanced security.
- **Smart Tilting & Folding Design:** The tilting function allows convenient access to your vehicle's rear cargo area even with bikes loaded. The rack can also be folded up when not in use for compact storage.
- **Anti-Scratch Protection:** Equipped with soft locking frame clamps and cradles with gear locking straps to secure bicycles without damaging their paintwork. Includes a safety strap for added protection during transport.
- **High Capacity:** Constructed with reinforced steel, capable of carrying 2 electric bikes weighing up to 80 lbs each, for a total capacity of 160 lbs.
- **Wide Compatibility:** Fits bikes with 17-29 inch wheels, 18.5" to 49.5" bike wheelbase, and up to 5.5 inch fat tires. Designed for 2-inch hitches, suitable for cars, trucks, SUVs, and minivans.

CARRY 2 E-BIKES

Up To 80 lbs Each



Figure 2: Rack designed to carry two e-bikes, up to 80 lbs each.



ANTI WOBBLE & ANTI THEFT DESIGN

ANTI WOBBLE & ANTI THEFT LOOK TIPS:

1. Make sure the rack is locked onto the hitch receiver properly.
2. Insert the key and turn it counterclockwise till the end to trigger the
3. Insert the key and turn it clockwise till the end to disengage the anti-theft function. In this case, you can
 - a. turn the knob counterclockwise to loosen the hitch bike rack.
 - b. turn the knob clockwise to tighten the hitch bike rack.



Figure 3: Anti-wobble and anti-theft design with key lock.

SECURE WHEEL CRADLES



**Fits Road, Mountain, Electric Bike
Fat Tires Up to 5.5" Wide**

Figure 4: Secure wheel cradles for various tire sizes.

3. PARTS LIST

Before beginning assembly, ensure all parts listed below are present and undamaged. Refer to the installation videos for visual identification of each component.

Part No.	Description	Quantity
1	Folding Bracket	1
2	Keys	4
3	Safety Pin	1
4	Vertical Tube	1
5	Horizontal Tube	2
6	Lock Hook (small)	1

Part No.	Description	Quantity
7	Lock Hook (big)	1
8	Left Support Bracket	2
9	Right Support Bracket	2
10	M10x60 Screw, 13.5 Flat Washer, 10 Flat Washer, M10 Lock Nut	4 each
11	M8x60 Screw, Lock Knob	4 each
12	M10x60mm Screw, 10 Flat Washer, 13.5 Flat Washer, M10 Lock Nut	1 each
13	M12x80 Screw, 13.5 Flat Washer, 16 Flat Washer, M12 Lock Nut	1 each
14	Clamping Cover	8
15	Tie Down Strap (9.82 ft)	1
16	Strap (Rubber Sleeve)	4
17	Connecting Bracket	1

QUALITY BIKE RACK

Fits 2" Hitch

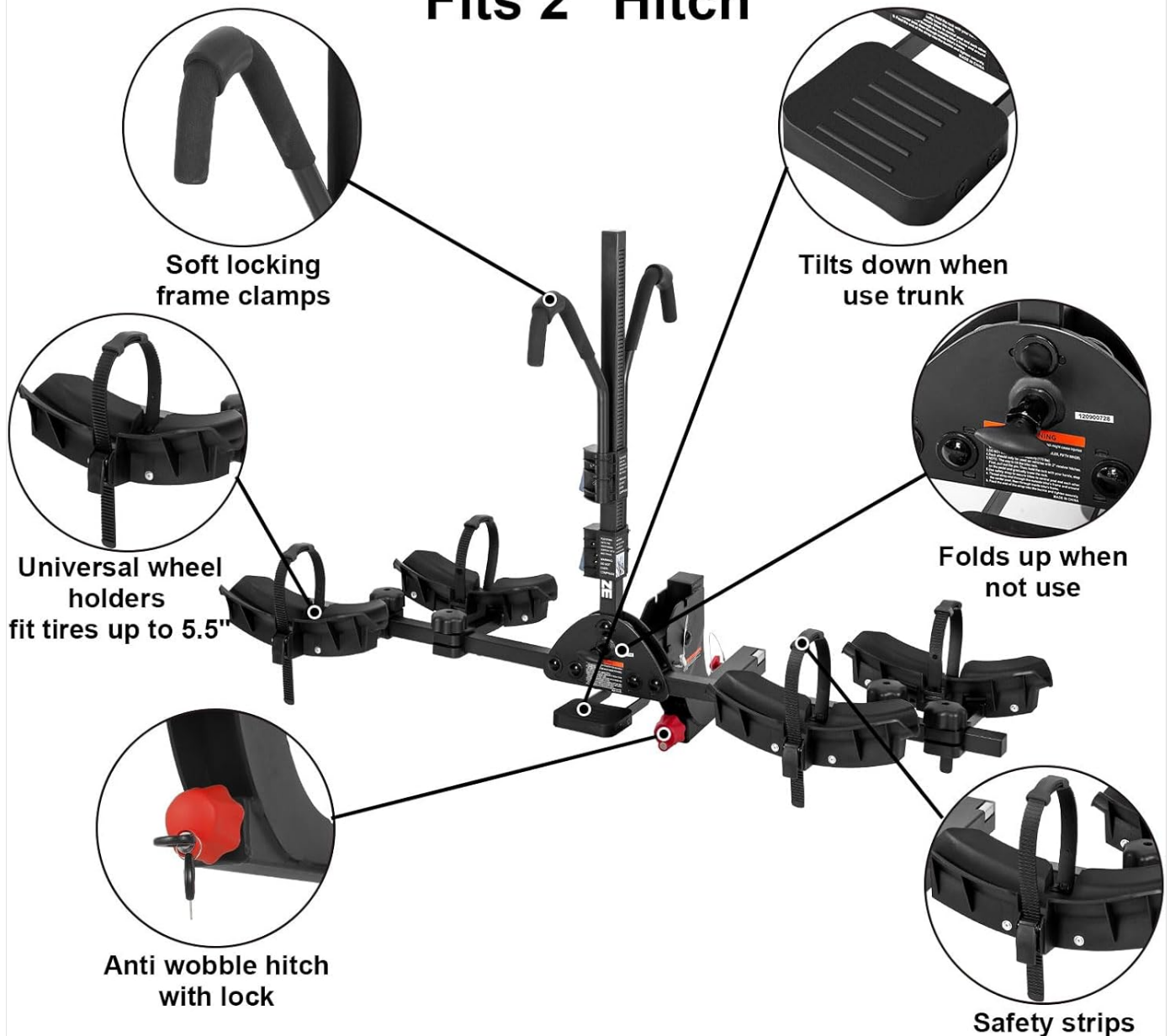


Figure 5: Exploded view of the bike rack components.

4. SETUP AND INSTALLATION

Follow these steps carefully to assemble and install your WEIZE 2 E-Bike Rack. For visual guidance, please refer to the installation videos provided below.

4.1 Assembly Steps

1. Connect the Folding Bracket (Part 1) to the Connecting Bracket (Part 17). Align the holes and secure them using the appropriate screws (Part 13) and the Safety Pin (Part 3).
2. Insert the Horizontal Tubes (Part 5) into the Connecting Bracket (Part 17) on both sides. Match the holes and tighten them with screws (Part 10).
3. Insert the Vertical Tube (Part 4) into the Connecting Bracket (Part 17). Match the hole and tighten with screws (Part 12).
4. Install the Straps (Part 16) onto the Support Brackets (Part 8 & Part 9).

5. Attach two pieces of Clamping Covers (Part 14) on each Horizontal Tube (Part 5). Then, insert the Support Brackets (Part 8 & Part 9) into the groove on the Clamping Covers (Part 14) and tighten them with screws (Part 11).
6. Slide the long Lock Hook (Part 7) and then the short Lock Hook (Part 6) into the Vertical Tube (Part 4). Adjust the hooks to your desired height position and lock them to secure in place.

4.2 Installation on Vehicle

Once assembled, insert the rack into your vehicle's 2-inch hitch receiver. Use the anti-wobble and anti-theft locking mechanism to secure the rack firmly in place.

4.3 Installation Videos

WEIZE 2 Electric Bike Rack Installation Guide 2

This video provides a detailed step-by-step guide for assembling and installing the WEIZE 2 E-Bike Rack onto your vehicle's hitch receiver.

WEIZE 2 Electric Bike Rack Installation Guide

Another comprehensive installation guide for the WEIZE 2 E-Bike Rack, demonstrating key assembly points and proper attachment to the vehicle.

5. OPERATING INSTRUCTIONS

5.1 Loading Bicycles

1. Place the bicycle wheels into the designated wheel cradles on the horizontal tubes.
2. Secure the wheels using the provided straps (Part 16) to prevent movement.
3. Lower the appropriate Lock Hook (Part 6 or 7) over the bicycle frame and tighten the Lock Knob (Part 11) to firmly hold the bike in place. Ensure the frame clamps are soft to prevent scratches.
4. Use the Tie Down Strap (Part 15) to further secure the bikes to the rack, especially for longer trips or rough terrain.

CARRY 2 E-BIKES

Up To 80 lbs Each



Figure 6: Properly loaded bicycles on the rack.

5.2 Tilting Function

To access your vehicle's rear cargo area, the rack can be tilted. Locate the tilting mechanism near the hitch receiver. Follow the instructions on the mechanism to release the lock and tilt the rack downwards. Ensure bikes are securely fastened before tilting.

SMART TILTING DESIGN

Easy To Use Trunk



Figure 7: Rack tilted for easy trunk access.

5.3 Folding Function

When not in use, the rack can be folded up against the vehicle for a more compact profile. Locate the folding release mechanism and follow the instructions to fold the rack upwards. Ensure it locks securely in the folded position.

SMART FOLDING DESIGN

Easy Folds Up When
Not In Use



Figure 8: Rack folded up when not in use.

5.4 Operation Overview Video

WEIZE 2 Electric Bike Rack Hitch Mount, 150 LB Capacity

A brief overview showcasing the WEIZE 2 E-Bike Rack's features, including its capacity and ease of use for mounting electric bikes.

6. MAINTENANCE

Regular maintenance will extend the life of your bike rack and ensure safe operation:

- **Cleanliness:** Regularly clean the rack with mild soap and water, especially after exposure to dirt, salt, or harsh weather conditions. Rinse thoroughly and dry completely to prevent rust.

- **Lubrication:** Periodically lubricate moving parts such as hinges, pins, and locking mechanisms with a silicone-based lubricant to ensure smooth operation and prevent corrosion.
- **Inspect Fasteners:** Before each use, check all bolts, nuts, and straps to ensure they are tight and secure. Re-tighten any loose fasteners.
- **Check Straps and Cradles:** Inspect the wheel straps and frame clamps for any signs of wear, tears, or damage. Replace them if necessary to maintain secure bike transport.
- **Storage:** When not in use for extended periods, store the bike rack in a dry, protected area to prevent exposure to extreme weather.

7. TROUBLESHOOTING

If you encounter issues with your bike rack, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Rack wobbles excessively	Hitch pin not fully tightened; loose connections.	Ensure the anti-wobble key locking device is fully engaged and tightened. Check all assembly bolts for tightness.
Difficulty tilting or folding the rack	Mechanism is stiff or obstructed.	Apply lubricant to hinges and pivot points. Clear any debris or obstructions.
Bikes are not secure or scratching	Straps or clamps are loose/damaged; improper bike placement.	Ensure all straps are tightly secured. Verify bikes are correctly seated in cradles. Replace worn straps or clamps.
Rack does not fit 2-inch hitch	Incorrect hitch size.	This rack is designed specifically for 2-inch hitch receivers. Verify your vehicle's hitch size.

8. SPECIFICATIONS

Attribute	Detail
Brand	WEIZE
Model	electric bike car rack (CCA-1003)
Item Weight	49 pounds
Package Dimensions	28.6 x 14.8 x 11.3 inches
Load Capacity	160 Pounds (80 lbs per bike)
Mounting Type	Hitch Mount (2-inch receiver)
Automotive Fit Type	Universal Fit
Color	Black
Wheel Compatibility	17-29 inch wheels, up to 5.5 inch fat tires
Bike Wheelbase	18.5" to 49.5"

9. WARRANTY AND SUPPORT

WEIZE offers a 1-Year free-return guarantee for any product quality problems. Our goal is to provide quality products backed by quality customer service directly from the manufacturer. A satisfied solution will be given for ANY of your problems. Our support team is on standby for you.

Additionally, protection plans may be available for purchase to extend coverage beyond the manufacturer's warranty. Please check product listing details for available protection plan options.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

How can I get a replacement hitch pin for my WEIZE 2 E-Bike Rack (CCA-1003) because the threads on my current pin are damaged?

If the threads on your WEIZE 2 E-Bike Rack (Model CCA-1003) hitch pin are damaged, you should replace it immediately to ensure the rack remains secure and the anti-wobble mechanism functions correctly. Here are...

[Read full answer](#)

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