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> [VEVOR Universal Roof Rack Cross Bars Instruction Manual \(Model HJ-RB017-108CM\)](#)

VEVOR HJ-RB017-108CM

VEVOR Universal Roof Rack Cross Bars Instruction Manual

Model: HJ-RB017-108CM

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective installation, operation, and maintenance of your VEVOR Universal Roof Rack Cross Bars. Designed for vehicles with bare roofs, these cross bars offer a robust solution for transporting various items. Please read this manual thoroughly before installation and retain it for future reference.



Image 1.1: VEVOR Universal Roof Rack Cross Bars, showing the two black aluminum cross bars with mounting feet and locking mechanisms.

2. SAFETY INFORMATION

- Always ensure the roof rack is securely installed and all fasteners are tightened before driving.
- Regularly check the tightness of all mounting hardware, especially before and after long trips, or after driving on rough terrain. Loose components can lead to detachment and potential hazards.
- Do not exceed the maximum load capacity of 155 lbs (70 kg). Overloading can damage the roof rack, your vehicle, and create unsafe driving conditions.

- Distribute the load evenly across the cross bars. Secure all cargo firmly to prevent shifting during transit.
- Be aware of the increased height and width of your vehicle when the roof rack is installed and loaded. Exercise caution when entering garages, car washes, or areas with low overhead clearance.
- This roof rack is designed for 4 or 5-door vehicles with bare roofs. It is not recommended for 2-door models or vehicles with raised side rails, fixed points, or flush rails.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 2 x Roof Rack Cross Bars
- 2 x Keys (for locking mechanism)
- 1 x Allen Key (M5)
- Mounting hardware (various clamps, rubber pads, and strips)



Image 3.1: All components included in the VEVOR Universal Roof Rack Cross Bars package, laid out for inspection.

4. SETUP AND INSTALLATION

These cross bars are designed for vehicles with a "naked" or bare roof, meaning no existing side rails, fixed points, or flush rails. Installation typically takes approximately 10 minutes.

4.1 Vehicle Compatibility

This product is suitable for 4 or 5-door vehicles with bare roofs. It is not recommended for 2-door models or vehicles with other roof types.

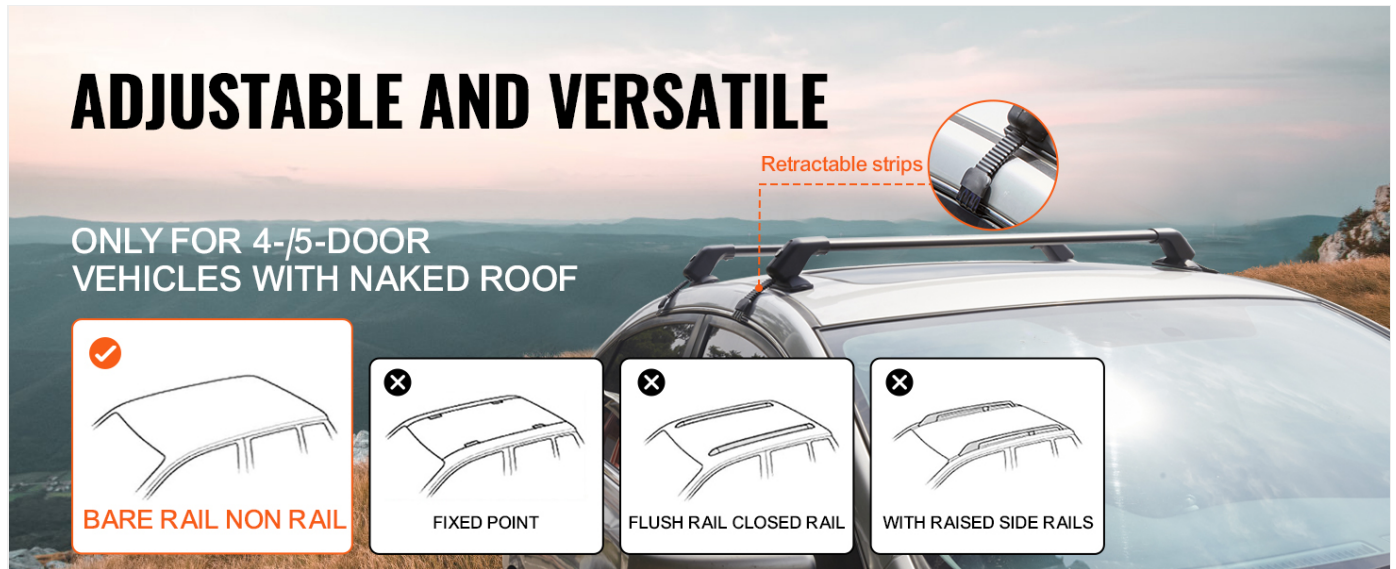


Image 4.1.1: Diagram illustrating compatible "Bare Rail Non Rail" roof type and incompatible "Fixed Point", "Flush Rail Closed Rail", and "With Raised Side Rails" roof types.

APPLICABLE TO VEHICLES WITH NAKED ROOF



NAKED/SMOOTH

Only for 4 or 5-door vehicles, not recommended for 2-door models



Image 4.1.2: VEVOR roof rack cross bars installed on a vehicle with a naked roof, demonstrating proper fitment.

4.2 Measurement and Model Selection

Before installation, measure the inner distance between your vehicle's roof gutters and the distance from the gutter to the window to ensure proper fitment.



Check the inner distance between roof rails and choose the right model

Inner Distance Between Roof Gutters	Gutter to Window Distance (Ratchet Strap with Adjustable Length)	Compatible Crossbar Length	Item Model Number
41.3-42.9 in /1050-1090 mm	2.4 in/60 mm	42.5 in/1080 mm	HJ-RB017
			HJ-RB017-105CM

Image 4.2.1: Diagram showing how to measure the inner distance between roof gutters and the gutter-to-window distance for proper crossbar selection.

Inner Distance Between Roof Gutters	Gutter to Window Distance (Ratchet Strap with Adjustable Length)	Compatible Crossbar Length	Item Model Number
41.3-42.9 in / 1050-1090 mm	2.4 in / 60 mm	42.5 in / 1080 mm	HJ-RB017-108CM

4.3 Installation Steps

- Step 1: Mount the base on the crossbar.** Attach the mounting feet to the aluminum crossbar. Ensure they are oriented correctly.
- Step 2: Attach the rubber pad under the base.** Place the protective rubber pads onto the underside of the mounting feet. These pads protect your vehicle's paint from scratches.
- Step 3: Adjust the strip and rubber sleeve.** Position the crossbar on your vehicle's roof. Adjust the retractable strap and rubber sleeve to match the distance between the window and the bracket. The metal sheet can be adjusted to fit your vehicle's roof contour.
- Step 4: Insert the strip and lock it.** Securely insert the strap into the locking mechanism and tighten it until the

crossbar is firmly attached to the roof. Repeat the process for the second crossbar. Use the provided Allen key to ensure all connections are tight.

DAMAGE-FREE INSTALLATION



Image 4.3.1: Visual representation of the four installation steps: mounting the base, attaching rubber pads, adjusting the strap, and locking the crossbar.

After installation, ensure both cross bars are parallel and evenly spaced. Double-check all connections for tightness. The anti-theft lock system can then be engaged using the provided keys for added security.

5. OPERATING INSTRUCTIONS

5.1 Load Capacity

The VEVOR Universal Roof Rack Cross Bars have a maximum load capacity of **155 lbs (70 kg)**. This capacity allows for the transport of various items such as luggage racks, surfboards, camping gear, mountain bikes, and skis. Always adhere to this limit to prevent damage and ensure safety.

CARRY MORE WITH 155LBS LOAD CAPACITY

155 lbs



Image 5.1.1: Illustration of the roof rack carrying various items like camping gear, bikes, cargo baskets, cargo boxes, and surfboards, highlighting the 155 lbs load capacity.

CARRY ALL YOUR NEEDS

155±10%LBS
Capacity



Image 5.1.2: Another view of the roof rack carrying diverse cargo, emphasizing its 155 lbs capacity for different outdoor equipment.

5.2 Securing Cargo

Always use appropriate tie-downs, straps, or cargo nets to secure items to the cross bars. Ensure cargo is centered and distributed evenly to maintain vehicle balance. Periodically check cargo security during long journeys.

5.3 Anti-Theft Lock System

The cross bars are equipped with an anti-theft lock system. Once installed and tightened, use the provided keys to lock the mounting feet. This secures the cross bars to your vehicle and prevents unauthorized removal.



Image 5.3.1: Close-up view highlighting the soft-padded feet for vehicle protection and the anti-theft lock mechanism on the VEVOR roof rack.

6. MAINTENANCE

- **Regular Inspection:** Periodically inspect the cross bars, mounting feet, straps, and all fasteners for any signs of

wear, damage, or looseness.

- **Tightness Check:** It is crucial to check the tightness of all mounting hardware before **every** use, especially after initial installation, long drives, or driving on uneven roads. Loose connections can compromise safety.
- **Cleaning:** Clean the aluminum cross bars and plastic components with mild soap and water. Avoid abrasive cleaners or solvents that could damage the finish.
- **Storage:** If removing the roof rack for extended periods, store it in a dry place away from direct sunlight to prolong its lifespan.

7. TROUBLESHOOTING

Issue: Cross bars feel loose after installation or during use.

Solution: Re-check and tighten all mounting straps and Allen bolts. Ensure the metal sheet is properly adjusted to match the roof contour. It is critical to check tightness before every use.

Issue: Excessive wind noise or whistling.

Solution: The aerodynamic design minimizes noise, but some wind noise is normal, especially at higher speeds or with certain cargo. Ensure no gaps exist between the rubber pads and the vehicle roof. Verify that the cross bars are installed correctly and not twisted. Adjusting the position slightly may help.

Issue: Difficulty locking the anti-theft mechanism.

Solution: Ensure the locking mechanism is free of debris. Apply a small amount of graphite lubricant if the key is stiff. Do not force the key.

8. SPECIFICATIONS

Feature	Detail
Brand	VEVOR
Model Number	HJ-RB017-108CM
Load Capacity	155 lbs (70 kg)
Material	6063-T6 Aluminum (Cross Bars), PP Material (Mounting Feet)
Color	Black
Item Dimensions (L x W x H)	42.52 x 8.46 x 4.53 inches (1080 x 215 x 115 mm)
Compatible Inner Distance Between Roof Gutters	41.3-42.9 in / 1050-1090 mm
Gutter to Window Distance	2.4 in / 60 mm
Mounting Type	Easy Snap (Bare Roof)
Item Weight	6.83 lbs (3.1 kg)
UPC	840349949819, 197988214496, 197988844105, 197988986348



Item Model Number:	HJ-RB017-108CM
Quantity:	2 pcs
Net Weight:	6.8 lbs/3.1 kg
Product Size:	42.5 × 6.1 × 3.9 inch/1080 × 154 × 99 mm
	1100 ± 10 × 215 ± 10 × 115 ± 6 mm

Image 8.1: Technical drawing with detailed dimensions of the cross bars and individual components, including keys and Allen key.

SPECIFICATION

Item Model Number: **HJ-RB017-108CM**

Quantity: **2 pcs**

Net Weight: **6.8 lbs/3.1 kg**

Product Size: **42.5 × 6.1 × 3.9 inch/1080 × 154 × 99 mm**

Crossbars Spacing Range: **23.6-31.5inch/600-800mm**



Image 8.2: Another specification overview showing item model number, quantity, net weight, product size, and crossbars spacing range.

9. WARRANTY AND SUPPORT

For warranty information, product support, or to inquire about replacement parts, please contact VEVOR directly through their official channels or visit their brand store.

VEVOR Brand Store: <https://www.amazon.com/stores/VEVOR/page/09A776F6-0EB9-4948-918D-9FF03FC17370>



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