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Allen MT2-B

Allen Sports Ultra Compact Folding 2-Bike Trunk Mount Rack, Model MT2-B User Manual

1. Important Safety Information

Please read and understand all instructions and safety warnings before installing or using your Allen Sports bike rack. Failure to follow these instructions may result in property damage or personal injury.

- Ensure all straps and buckles are securely threaded and tightened before each use.
- Inspect all straps for fraying, cuts, wear, or damage regularly. Do not use the rack if straps are worn or damaged.
- Ensure contact surfaces between the vehicle and rubber feet are clean and free of dirt to prevent scratching and ensure proper grip.
- Remove all loose items from bicycles before loading them onto the rack.
- Check that all quick-release hubs on bicycles are tight.
- Load bicycles with chains and gears facing away from the rack to prevent damage.
- Always check that the entire rack is secure and bikes are firmly in place before driving.
- Do not exceed the maximum load capacity of 70 pounds (3.3 kilograms per bike).
- Consult the manufacturer's webpage for specific vehicle fit information.
- Be aware that the rack may block your vehicle's license plate. Ensure compliance with local regulations.

2. Product Overview

The Allen Sports Ultra Compact Folding 2-Bike Trunk Mount Rack, Model MT2-B, is designed for convenient and secure transportation of up to two bicycles. Its ultra-compact folding design allows for easy storage in a carrying bag or backpack when not in use. The rack features padded legs and adjustable straps to ensure a secure fit on various vehicle types, including sedans, hatchbacks, minivans, and SUVs.

Key Features:

- Ultra-compact folding design for easy storage and portability.
- Capacity for two bicycles.
- Three padded legs for vehicle protection and stability.
- Adjustable security straps for a secure fit.
- Tie-downs and padding to keep bikes secure and prevent contact with the vehicle.
- Fully assembled, set up, and installed in seconds.
- Durable metal construction with a red/black finish.



Figure 2.1: Allen Sports Ultra Compact Folding 2-Bike Trunk Mount Rack, Model MT2-B.

3. Setup and Installation

Follow these steps to properly set up and install your bike rack on your vehicle.

3.1 Unfolding the Rack

1. Remove the rack from its carrying bag.
2. Start with the rack in its folded position.
3. Rotate the tie-down arms outwards.
4. Fully extend the bottom foot until it locks into place.
5. Rotate both top feet downwards by 90 degrees to fully engage the pins.
6. Rotate the main carry arms into an upright position, ensuring the pop-up pins are fully engaged when the arms are extended.



Figure 3.1: The rack in its compact, folded state.



Figure 3.2: Detail of the padded feet designed to protect your vehicle's finish.



Figure 3.3: The rack securely mounted on the rear of a vehicle.

3.2 Attaching the Rack to Your Vehicle

Before attaching, ensure all contact surfaces on your vehicle (trunk/hatchback, bumper) are clean and free of dirt or debris.

1. Position the rack against the rear of your vehicle. The padded feet should rest firmly against the vehicle's surface.
2. Hook the top straps over the metal edge at the top of your trunk, rear door, or hatchback. Ensure they are completely hooked.
3. Adjust the length of the top straps to position the rack so its carry arms are inclined slightly upwards.
4. Hook the bottom straps to a metal edge below the bumper or at the bottom of the rear door. If no metal edge is available, refer to the alternative attachment methods below.
5. Tighten all straps by pulling on their free ends until the elastic portions of the straps are stretched, ensuring a snug and secure fit.
6. For the MT2-B rack, install the left and right side straps. These are labeled "SIDE STRAP" and have small metal hooks. Attach them to the right and left sides of the trunk/rear door.

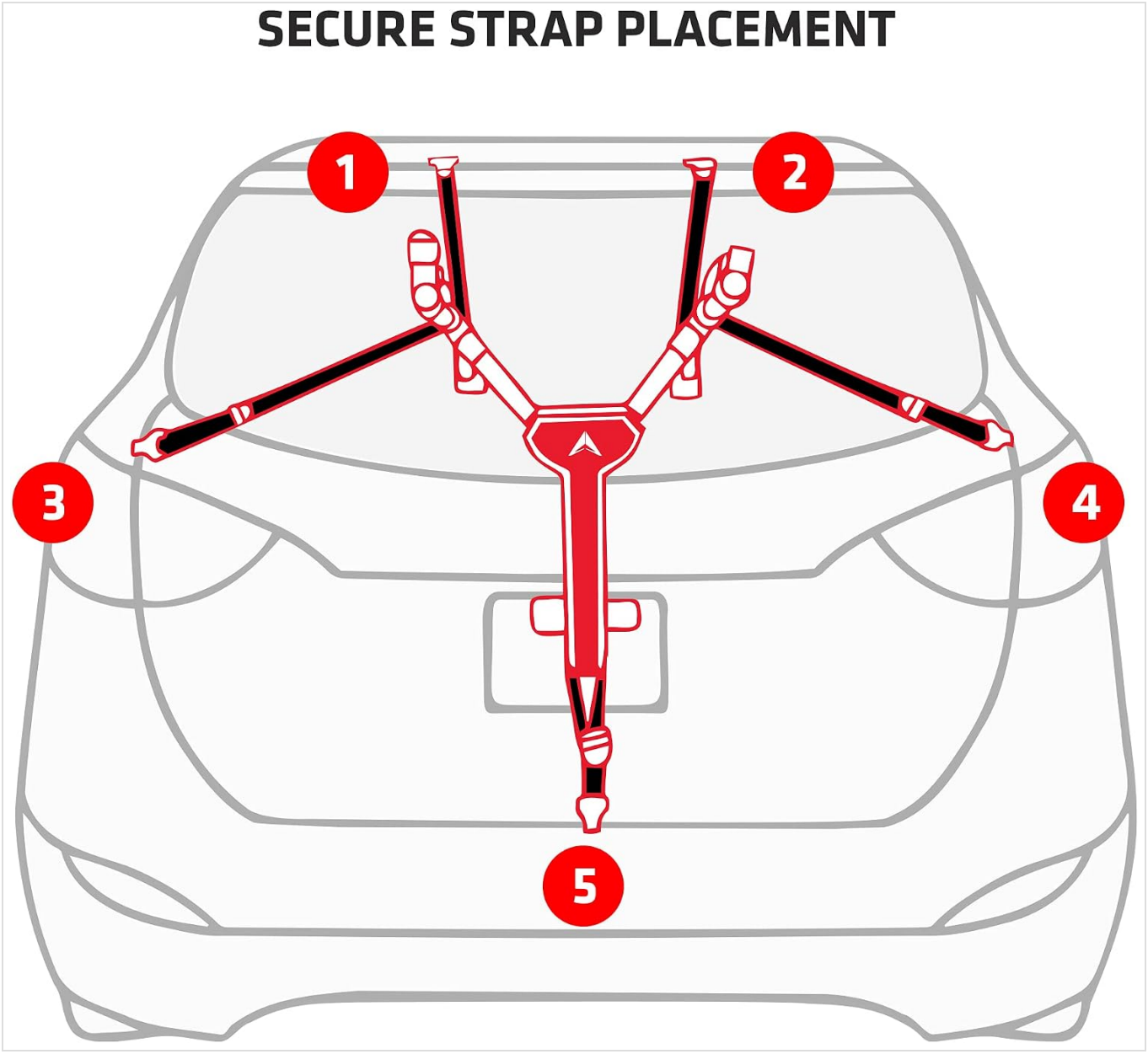

Figure 3.4: Diagram illustrating the correct placement of all straps for secure installation.

Alternative Bottom Strap Attachment (if no metal edge below bumper):

- **Method 1:** Remove the bottom strap from its bracket. Thread the bottom strap through the slot in the spine cover. Attach the hook to the lower edge of the trunk/rear hatch. Carefully close the trunk on the strap. Pull the strap to bring the hook against the inside of the trunk. Re-thread the bottom strap through its bracket and tighten.
- **Method 2:** Remove the bottom strap. Open the trunk slightly and place the bottom hooks just inside the trunk/hatch. Carefully close the trunk on the strap. Pull the strap to bring the hooks against the inside of the trunk. Mount the rack onto the car and re-thread the bottom straps.

3.3 Setup and Installation Video Guide

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Video 3.1: Detailed installation guide for the Allen Sports MT Rack.

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Video 3.2: Overview of the Allen Sports Ultra Compact Folding 2-Bike Trunk Mount Rack setup.

4. Operating Instructions

4.1 Loading Bicycles

1. Before loading, remove all loose items from your bicycles (e.g., water bottles, pumps, bags).
2. Check that all quick-release hubs on your bicycles are tight.
3. Load the first bicycle into the first tie-down position. Position the bicycle with its chain and gears facing away from the rack to prevent damage.
4. Thread the tie-down straps around the bicycle frame and through the buckles. Pull the straps tight to secure the bike.
5. If loading a second bicycle, load it in the opposite direction (alternating directions) to optimize space and balance.
6. For women's style frames or bikes with non-standard frames, place one carry arm under the front top tube. For the other carry arm, rotate the tie-down cradle and place the carry arm in the space behind the seat tube and below the rear downstay. An adapter bar (sold separately) may be required for optimal fit.
7. After all bikes are loaded, double-check that the entire rack is secure and that the bikes are firmly in place with no excessive movement.



Figure 4.1: The rack with two bicycles securely mounted.

5. Maintenance

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

- **Cleaning:** Clean the rack regularly with mild soap and water. Rinse thoroughly and dry completely to prevent rust or corrosion.
- **Strap Inspection:** Before each use, inspect all straps for fraying, cuts, or excessive wear. Replace any damaged straps immediately.
- **Padded Feet:** Ensure the padded feet are clean and free of debris. Check for any tears or damage to the padding that could scratch your vehicle.
- **Joints and Pins:** Periodically check all pivot points and pop-up pins to ensure they operate smoothly and lock securely. Lubricate if necessary.
- **Storage:** When not in use, fold the rack into its compact form and store it in the included carrying bag in a dry place, away from extreme temperatures.





Figure 5.1: The rack folds compactly for easy storage in its bag.

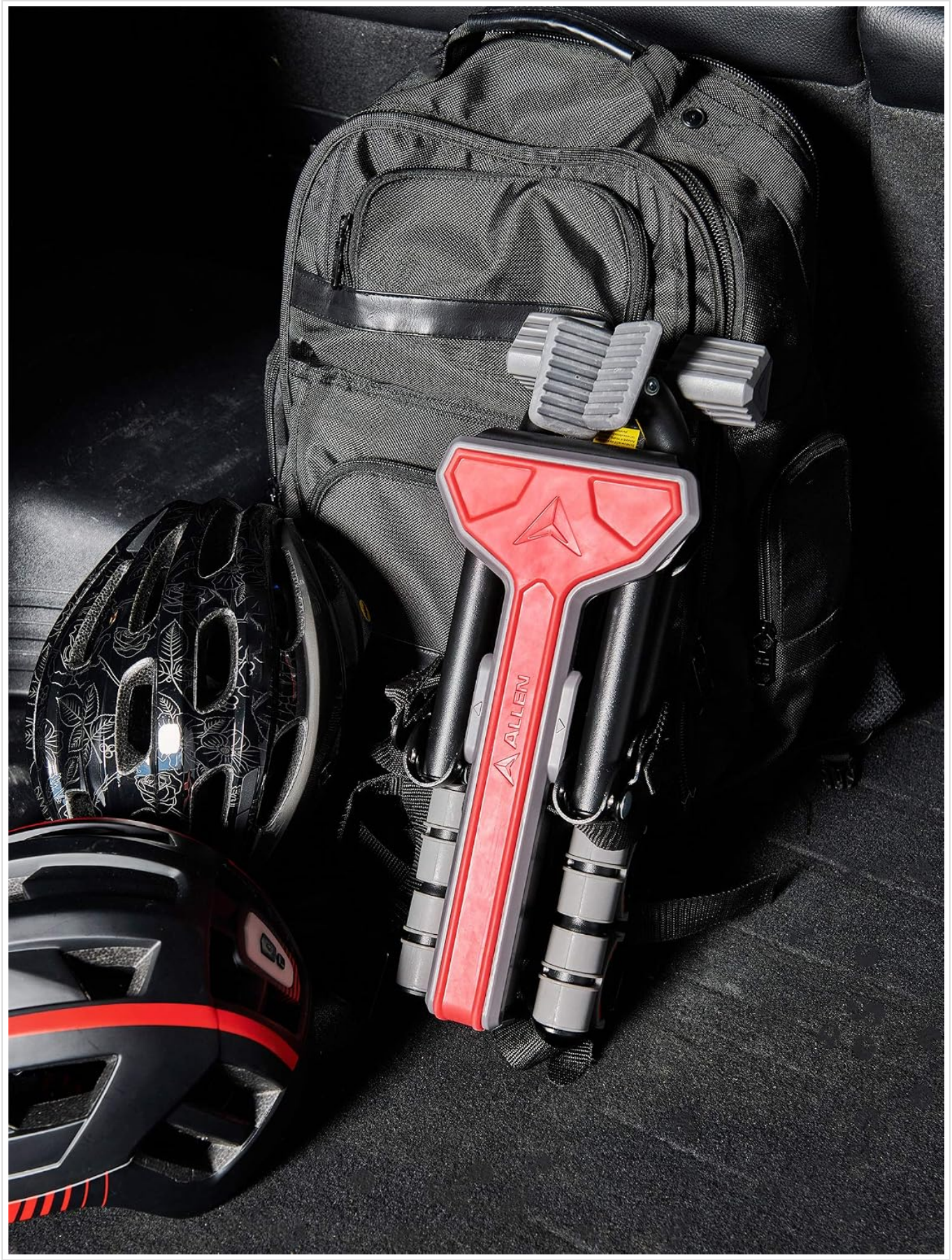

Figure 5.2: The compact size of the folded rack, ideal for travel or storage.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Rack feels loose or unstable on vehicle.	Straps not tightened sufficiently; hooks not properly engaged; dirty contact surfaces.	Re-tighten all straps. Ensure all hooks are fully engaged over metal edges. Clean vehicle contact points and rack feet.
Bikes wobble or swing during transport.	Bike tie-down straps are loose; quick-release hubs are not tight.	Ensure all bike tie-down straps are pulled tight. Check and tighten quick-release hubs on bikes. Consider using an additional strap to secure bike wheels.
Scratches on vehicle paint.	Dirty contact surfaces; damaged padded feet; improper installation.	Always clean vehicle contact points and rack feet before installation. Inspect padded feet for damage. Ensure rack is installed according to instructions.
Cannot close trunk/hatch with bottom straps.	Incorrect bottom strap attachment method used.	Refer to "Alternative Bottom Strap Attachment" in Section 3.3 for proper methods when a metal edge below the bumper is not available.

7. Specifications

Feature	Detail
Model Number	MT2-B
Brand	Allen
Color	Red/Black
Material	Metal
Load Capacity	70 Pounds (3.3 Kilograms per bike)
Item Dimensions (L x W x H)	17 x 6.5 x 4 inches (folded)
Mounting Type	Strap
Is Foldable	Yes
Compatible Vehicle Types	Sedans, Hatchbacks, Minivans, SUVs (Vehicle Specific Fit - consult manufacturer's fit list)
Included Components	Bike rack

8. Warranty and Support

Manufacturer Warranty Description: If an Allen Rack fails to function properly due to a defect in workmanship or material over the lifetime of the original purchaser, simply return the product with your original receipt, and Allen will repair or replace the rack free of charge. This warranty does not cover damage or wear which occurs as a result of day to day use or general wear and tear.

For further support or inquiries, please visit the official Allen Sports website or contact their customer service.

Note: Allen's warranty does not cover items purchased through third-party sellers.

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