

Lippert Components 2021104457

Lippert R-Bike 1Rail Bike Carrier for Fiat Ducato User Manual

Model: 2021104457

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1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your Lippert R-Bike 1Rail Bike Carrier. This multi-purpose aluminium bike carrier is specifically designed for Fiat Ducato vans. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in serious injury or property damage.

- Always ensure the bike carrier is securely mounted to the vehicle according to the installation instructions.
- Do not exceed the maximum weight capacity of the carrier (10 kg for 2 e-bikes or 3 standard bikes with appropriate accessories).
- Distribute the weight of the bikes evenly on the carrier.
- Before each trip, verify that all bikes are securely fastened to the carrier and that the carrier itself is firmly attached to the vehicle.
- Check for proper clearance with the vehicle's rear doors, lights, and license plate. Ensure visibility of lights and license plate.
- Drive cautiously, especially over bumps or during turns, as the vehicle's handling characteristics will change with the carrier loaded.
- Regularly inspect the carrier for any signs of wear, damage, or loose components.
- Keep hands and clothing clear of moving parts during loading and unloading.

3. COMPONENTS OVERVIEW

The Lippert R-Bike 1Rail Bike Carrier consists of several key components designed for secure and convenient bike transport. Familiarize yourself with these parts before installation.

- **Main Frame:** The primary support structure, made from anodised aluminium.
- **Bike Rails:** Adjustable trays where bike wheels rest.
- **Bike Arms/Clamps:** Securely hold bike frames in place.
- **Mounting Hardware:** Specific components for attaching the carrier to the Fiat Ducato.
- **Anti-Vibration Device:** Integrated mechanism to reduce noise and movement during transit.

FEATURE AND BENEFITS

In just 10 kg it can hold as many as 2 e-bikes or 3 standard bikes mounting a different accessory



Safe and sturdy anodised aluminium frame to protect the bikes during the trip



Image: Overview of the Lippert R-Bike 1Rail Bike Carrier, highlighting its robust anodised aluminium frame, bike rails, and securing clamps.

FEATURE AND BENEFITS

**Customised design
with easy mounting and
installation**

**Tray rail adjustable in
three different heights to
allow for easy loading and
unloading of the bikes**

**Built-in anti-vibration device
to deter unwanted noise**

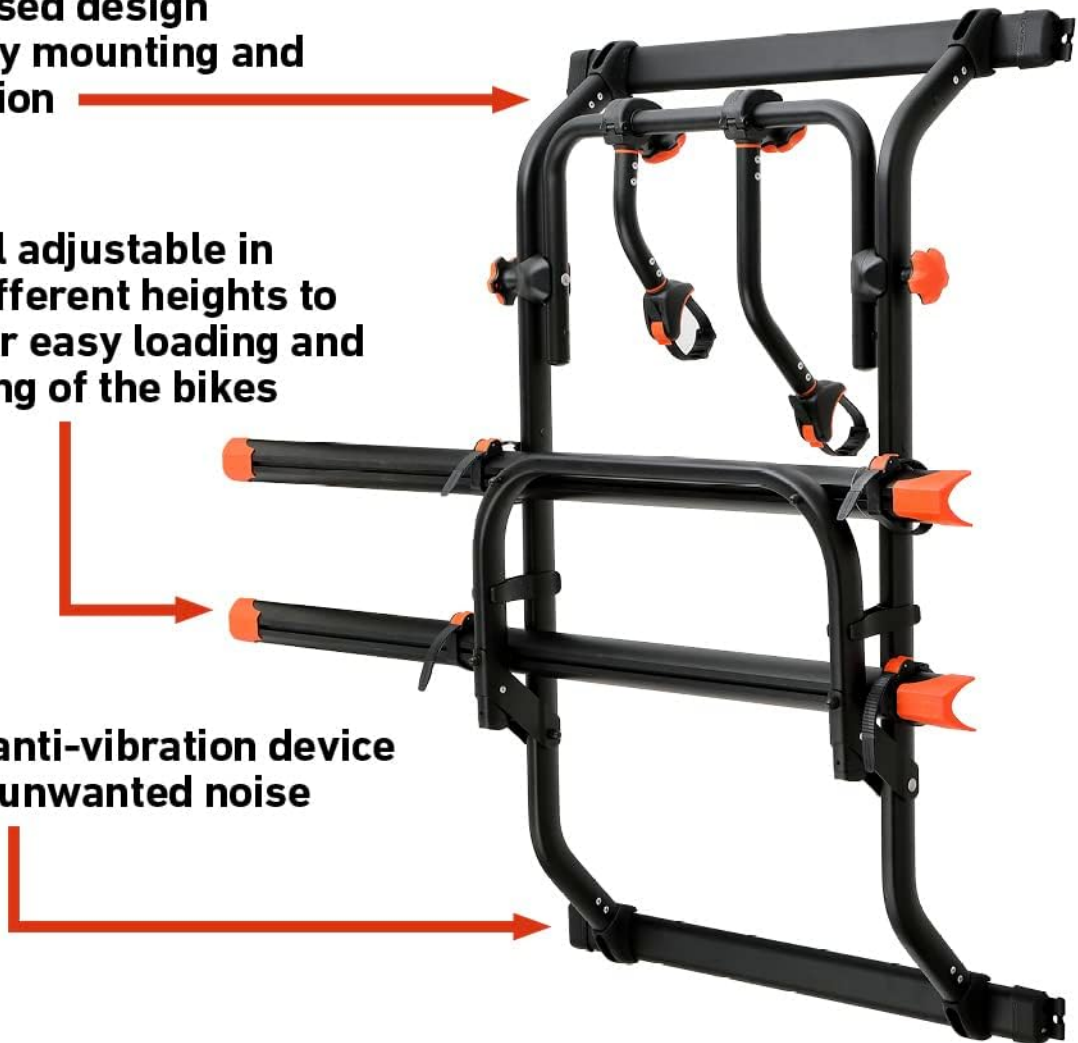


Image: Detailed view of the bike carrier, illustrating the adjustable tray rails and the built-in anti-vibration device.

4. APPROXIMATE DIMENSIONS

Understanding the dimensions of the bike carrier is crucial for installation and ensuring compatibility with your vehicle and bikes. The carrier features a main structure with specific measurements and adjustable rail heights.

- **Overall Width:** Approximately 1328 mm
- **Overall Height:** Approximately 1259 mm
- **Base Width:** Approximately 825 mm
- **Tray Rail Heights (adjustable):**
 - Lowest Position: 277 mm (from base to rail top)
 - Middle Position: 477 mm (from base to rail top)
 - Highest Position: 677 mm (from base to rail top)
- **Tray Rail Width:** Approximately 564 mm

These dimensions are approximate and may vary slightly. Always measure your vehicle and bikes to confirm fitment.

5. SETUP AND INSTALLATION

The Lippert R-Bike 1Rail Bike Carrier is designed for customized mounting and installation on Fiat Ducato vans. Follow these general steps for proper setup. Refer to the detailed installation guide provided with your product for vehicle-specific instructions.

1. **Unpack Components:** Carefully remove all parts from the packaging and verify against the parts list.
2. **Assemble Main Frame:** Connect the primary frame sections as instructed in the detailed guide, ensuring all bolts are tightened to the specified torque.
3. **Mount to Vehicle:** Attach the carrier to the designated mounting points on your Fiat Ducato. This typically involves a hitch-style mounting system. Ensure all mounting hardware is securely fastened.
4. **Install Bike Rails:** Secure the bike rails to the main frame. The tray rails are adjustable in three different heights to accommodate various bike sizes and ease of loading. Select the appropriate height for your needs.
5. **Attach Bike Arms/Clamps:** Install the bike securing arms and clamps onto the frame.
6. **Final Check:** Before first use, perform a thorough inspection to ensure all connections are tight, the carrier is stable, and there is no interference with vehicle functions (e.g., rear doors, lights).

6. OPERATING INSTRUCTIONS

Loading and unloading bikes safely and efficiently is key to using your Lippert R-Bike 1Rail Bike Carrier. The design prioritizes ease of use and bike security.

1. **Prepare the Carrier:** Ensure the carrier is empty and all securing mechanisms are open or in their ready position. Adjust the tray rail height if necessary for easier loading.
2. **Load Bikes:**
 - Lift each bike onto the carrier, placing its wheels into the designated tray rails.
 - Position the bike frame against the securing arms.
 - Secure the bike frame using the clamps provided. Ensure a snug fit without overtightening, which could damage the frame.
 - Use the wheel straps to firmly secure the bike wheels to the rails.
 - For multiple bikes, alternate the direction of the bikes (e.g., one facing forward, the next backward) to optimize space and prevent contact.
3. **Verify Security:** After loading all bikes, gently shake each bike to confirm it is securely fastened and will not move during transit. Check that the anti-vibration device is engaged.
4. **Before Driving:** Double-check all straps, clamps, and mounting points. Ensure no part of the bikes or carrier obstructs the vehicle's lights, license plate, or driver's view.
5. **Unloading Bikes:** Reverse the loading procedure. Release wheel straps, then frame clamps, and carefully lift each bike off the carrier.

EASY TO USE



Image: A person demonstrating the ease of loading a bicycle onto the Lippert R-Bike 1Rail Bike Carrier.



Image: The Lippert R-Bike 1Rail Bike Carrier securely mounted on a Fiat Ducato van, carrying a bicycle, showcasing its integration and stability.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your bike carrier.

- **Cleaning:** Clean the carrier regularly with mild soap and water, especially after exposure to road salt, dirt, or harsh weather conditions. Rinse thoroughly and dry.
- **Inspection:** Periodically inspect all bolts, nuts, straps, and clamps for tightness and wear. Replace any worn or damaged parts immediately.
- **Lubrication:** Apply a light lubricant to moving parts, such as hinges and adjustment mechanisms, to ensure smooth operation.
- **Storage:** When not in use, store the bike carrier in a dry, protected area to prevent corrosion and damage.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your bike carrier.

- **Carrier feels loose or wobbly:**
Solution: Re-check all mounting bolts and connections to the vehicle. Ensure they are tightened to the manufacturer's specifications. Verify that the anti-vibration device is properly engaged.
- **Bikes are not secure:**
Solution: Ensure bike frame clamps are properly tightened and wheel straps are snug. Adjust bike positioning to prevent contact and improve stability. Check for worn straps or damaged clamps.
- **Difficulty loading bikes:**
Solution: Adjust the tray rail height to a lower position for easier lifting. Consider removing front wheels of bikes if necessary, though the carrier is designed to accommodate full bikes.
- **Excessive noise during travel:**
Solution: Confirm all components are tightly secured. Ensure the anti-vibration device is functioning. Check for any loose accessories on the bikes themselves.

9. SPECIFICATIONS

Feature	Detail
Model Number	2021104457
Brand	Lippert Components
Vehicle Service Type	Fiat Ducato
Item Weight	9.5 Kilograms
Is Foldable	No
Mounting Type	Hitch
Material	Aluminium (Anodised)
Capacity	Up to 2 e-bikes or 3 standard bikes (with appropriate accessories)
Tray Rail Adjustment	3 different heights

10. WARRANTY AND SUPPORT

Lippert Components stands behind the quality of its products. For specific warranty information, please refer to the warranty card included with your product or visit the official Lippert Components website. Keep your proof of purchase for warranty claims. For technical assistance, replacement parts, or further inquiries, please contact Lippert Components customer support. Contact details can typically be found on the product packaging or the official brand website.

Online Resources: [Lippert Components Store on Amazon](#)

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.

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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