

towcar TCTR002

Towcar TR2 Bike Carrier User Manual

Model: TCTR002 | Brand: towcar

1. INTRODUCTION

Thank you for choosing the Towcar TR2 Bike Carrier. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your bike carrier. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage or injury.

Safety Notice: Always ensure the carrier is securely attached to your vehicle and bikes are properly fastened before driving. Adhere to all local traffic laws and regulations regarding vehicle dimensions and load limits.

2. PRODUCT OVERVIEW

The Towcar TR2 ball carrier is designed for transporting bicycles, including electric bikes, on your vehicle's tow hitch. It offers a robust and convenient solution for bike transport with a focus on security and ease of use.



Image: The Towcar TR2 Bike Carrier, showcasing its structure, rear lights, license plate holder, and bike securing arms. The carrier is designed to attach to a vehicle's tow ball.

Key Features:

- **Ball Bike Rack:** Designed for secure attachment to a vehicle's tow ball.
- **Suitable for E-bikes:** Robust construction to accommodate the weight of electric bicycles.
- **Flip-up Mechanism:** Allows the carrier to be tilted or folded even with bikes loaded, providing access to the vehicle's trunk.
- **Tongs with Silicone:** Features silicone clips to protect bike frames from scratches and damage during transport.
- **Wheel Timing Belts:** Utilizes toothed straps for secure fastening of bike wheels to the carrier.
- **High Load Capacity:** Supports a maximum load of 50 kilograms (approximately 110.2 pounds).
- **13 to 7 Pole Adapter:** Includes an adapter for electrical connections, ensuring compatibility with various vehicle wiring systems.
- **Compact Storage:** Foldable design allows for compact storage in a trunk (approx. 95x65x30cm when folded).

3. SETUP

Follow these steps for the initial setup and mounting of your Towcar TR2 Bike Carrier:

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Verify that all parts are present and undamaged. Refer to the packing list for included items.
2. **Attach to Tow Ball:** Position the carrier onto your vehicle's tow ball. The carrier features a **Power Click** mounting type for secure and quick attachment. Ensure the mechanism engages fully and locks into place.
3. **Secure the Carrier:** Tighten all securing mechanisms according to the instructions provided with the carrier. The carrier must be firmly seated on the tow ball without any play.
4. **Connect Electricals:** Plug the carrier's electrical connector into your vehicle's trailer socket. Use the included **13 to 7 pole adapter** if your vehicle has a 7-pin socket. Test all lights (brake, turn signals, tail lights) to ensure they are functioning correctly.
5. **Install License Plate:** Mount your vehicle's license plate onto the designated area on the carrier. Ensure it is clearly visible and securely fastened.

Important: Before each use, double-check that the carrier is securely mounted and all connections are tight. A loose carrier can be extremely dangerous.

4. OPERATING INSTRUCTIONS

Loading Bikes:

1. **Prepare the Carrier:** Ensure the bike support arms are in the upright position and ready to receive bikes.
2. **Place Bikes:** Lift each bicycle onto the carrier, positioning the frame within the designated clamps. The carrier has a maximum load capacity of **50 kg (110.2 lbs)**. Do not exceed this limit.
3. **Secure Bike Frames:** Use the provided silicone clips (tongs with silicone) to firmly secure the bike frames to the carrier's support arms. These clips are designed to prevent damage to your bike's paintwork.
4. **Fasten Wheels:** Secure the wheels of each bike using the **toothed straps** (wheel timing belts). Ensure the wheels are tightly strapped to prevent movement during transit.
5. **Check Clearance:** After loading, verify that there is adequate ground clearance and that the bikes do not obstruct your vehicle's lights or license plate.

Folding Mechanism (Flip-up Function):

The Towcar TR2 features a convenient flip-up mechanism, allowing you to tilt the carrier away from the vehicle, even with bikes loaded. This provides easy access to your vehicle's trunk or tailgate without having to remove the bikes or the carrier.

- Locate the release lever or pedal (refer to specific diagrams in the full product manual if available).
- Engage the mechanism to tilt the carrier.
- Once you have accessed your trunk, return the carrier to its upright and locked position before driving.

Storage:

When not in use, the Towcar TR2 can be folded for compact storage. Its folded dimensions are approximately **95 x 65 x 30 cm**, making it suitable for storage in most vehicle trunks or garages.

5. MAINTENANCE

Regular maintenance will prolong the life of your Towcar TR2 Bike Carrier and ensure its safe operation:

- **Cleaning:** After each use, especially after exposure to dirt, salt, or rain, clean the carrier with mild soap and water. Rinse thoroughly and dry completely to prevent corrosion.
- **Lubrication:** Periodically lubricate moving parts, such as hinges and locking mechanisms, with a suitable lubricant to ensure smooth operation.
- **Check Fasteners:** Regularly inspect all bolts, nuts, straps, and clamps for tightness. Tighten any loose fasteners.
- **Inspect for Damage:** Before each use, check for any signs of wear, cracks, bends, or other damage to the frame, straps, or electrical components. Do not use the carrier if it is damaged.
- **Electrical Connections:** Keep the electrical plug and socket clean and free of corrosion. Use dielectric grease if necessary.

6. TROUBLESHOOTING

Here are some common issues and their potential solutions:

- **Carrier feels loose on tow ball:**
Solution: Ensure the Power Click mounting mechanism is fully engaged and locked. Re-tighten the securing handle or bolt according to the installation instructions.
- **Lights on carrier not working:**
Solution: Check the electrical connection between the carrier and the vehicle. Ensure the 13 to 7 pole adapter (if used) is correctly inserted. Inspect the vehicle's trailer fuse. Check for damaged wiring or bulbs on the carrier.
- **Bikes are not stable/moving during transit:**
Solution: Ensure bike frames are securely clamped with the silicone tongs. Verify that all wheel straps (toothed belts) are tightly fastened. Redistribute bike weight if necessary, ensuring the heaviest bike is closest to the vehicle.
- **Difficulty folding/unfolding:**
Solution: Check for any obstructions. Lubricate hinges and moving parts as part of routine maintenance.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact Towcar customer support or your retailer.

7. SPECIFICATIONS

Specification	Value
Model	TCTR002 (Towcar Towcar Tr2 Ball Portable)
Brand	towcar
Color	Black/Orange
Item Dimensions (L x W x H)	38.19 x 9.45 x 22.83 inches
Load Capacity	50 kg (110.2 Pounds)
Mounting Type	Power Click
Item Weight	35.2 pounds

Specification	Value
Manufacturer	KING RACK
Folded Dimensions (Approx.)	95 x 65 x 30 cm
Electrical Adapter	13 to 7 pole adapter included

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, claims, or technical support for your Towcar TR2 Bike Carrier, please refer to the warranty documentation included with your purchase or contact the manufacturer, KING RACK, or your authorized retailer directly. Keep your proof of purchase for any warranty inquiries. For further assistance, you may also visit the official Towcar website or contact their customer service department.