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> Electric Bike Rear Rack with Wooden Panels for Eden Saiga - Instruction Manual

## FD FREEDARE Saiga

# Electric Bike Rear Rack with Wooden Panels for Eden Saiga - Instruction Manual

Model: Saiga | Brand: FD FREEDARE

## INTRODUCTION

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Thank you for choosing the FD FREEDARE Electric Bike Rear Rack with Wooden Panels. This manual provides essential information for the safe and proper installation, operation, and maintenance of your new rear rack. Please read this manual thoroughly before installation and keep it for future reference.

## SAFETY INFORMATION

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- Always ensure the rack is securely mounted before use. Loose connections can lead to accidents.
- Do not exceed the maximum load capacity of 50 kg (110 lbs). Overloading can damage the rack, bike, or cause instability.
- Distribute weight evenly on the rack to maintain bike balance.
- Regularly inspect the rack for any signs of wear, damage, or loose fasteners. Replace or repair components as needed.
- Be aware that adding weight to the rear of your bike can affect handling and braking. Practice riding with a loaded rack in a safe area before riding in traffic.
- Ensure that items secured to the rack do not interfere with the bike's moving parts (wheels, chain, brakes) or obstruct lights/reflectors.

## SETUP AND INSTALLATION

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This rear rack is designed for rear seat mounting on compatible electric bikes, specifically the Eden Saiga model. A tool kit is included for installation.

### Components Included:

- Rear Rack Frame (AL6061 Aluminum)

- Wooden Panels (pre-attached)
- Mounting Hardware (bolts, washers, nuts)
- Tool Kit

### Installation Steps:

1. **Unpack Components:** Carefully remove all components from the packaging. Verify that all parts listed above are present.
2. **Identify Mounting Points:** Locate the designated mounting points on the rear frame of your Eden Saiga electric bike. These are typically eyelets near the rear axle and under the seat stay.
3. **Attach Lower Supports:** Align the lower arms of the rack with the eyelets near the rear axle. Secure them using the provided bolts and washers. Do not fully tighten yet.
4. **Attach Upper Supports:** Extend the upper support arms of the rack to align with the eyelets under the seat stay. Secure them with the remaining bolts and washers. Adjust the length of the upper supports if necessary to ensure the rack is level.
5. **Final Tightening:** Once the rack is properly aligned and level, systematically tighten all bolts using the included tool kit. Ensure all connections are firm and secure.
6. **Check Stability:** Gently shake the installed rack to confirm it is stable and does not wobble. Re-tighten any loose bolts if necessary.



Figure 1: The FD FREEDARE Electric Bike Rear Rack, showing its aluminum frame and wooden top panels. This image illustrates the rack's design before installation.

### OPERATING AND USAGE

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The FD FREEDARE rear rack is designed to carry additional cargo on your electric bike. Its robust AL6061 aluminum

construction and wooden panels provide a stable platform.

- **Load Capacity:** The rack has a maximum load capacity of 50 kg (110 lbs). Do not exceed this limit.
- **Securing Cargo:** Always use bungee cords, straps, or panniers to securely fasten items to the rack. Ensure cargo does not shift during riding, especially over bumps or during turns.
- **Visibility:** Be mindful that large items on the rack may obstruct your bike's rear light or reflectors. Consider adding additional lighting or reflective tape to your cargo or the rack itself for improved visibility.
- **Handling:** Riding with a loaded rack will change your bike's center of gravity and handling characteristics. Practice in a safe environment to get accustomed to the change.



Figure 2: The FD FREEDARE Electric Bike Rear Rack shown installed on an electric bike. This demonstrates how the rack integrates with the bike's rear frame, providing a functional cargo solution.

## MAINTENANCE

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Proper maintenance will extend the life of your FD FREEDARE rear rack.

- **Regular Inspection:** Periodically check all mounting bolts for tightness. Vibrations from riding can cause bolts to loosen over time.
- **Cleaning:** Clean the rack with a damp cloth and mild soap. Avoid harsh chemicals that could damage the finish or wooden panels.
- **Wooden Panels:** The wooden panels are durable but can benefit from occasional treatment with a wood protector or oil, especially if frequently exposed to moisture or direct sunlight.
- **Damage Check:** Inspect the aluminum frame for any cracks, bends, or signs of fatigue. If damage is found,

discontinue use and replace the rack.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Rack wobbles after installation.	Loose mounting bolts.	Re-tighten all mounting bolts securely. Ensure proper alignment before tightening.
Rack is not level.	Upper support arms incorrectly adjusted.	Loosen upper support bolts, adjust arm length to level the rack, then re-tighten.
Difficulty attaching to bike.	Incorrect mounting points or bike incompatibility.	Ensure your bike is the Eden Saiga model. Verify you are using the correct eyelets for mounting. Consult your bike's manual if unsure.
Squeaking noises from rack.	Loose connections or friction between parts.	Check and tighten all bolts. Apply a small amount of grease to contact points if necessary, avoiding wooden surfaces.

## SPECIFICATIONS

**Model Name:** Saiga

**Brand:** FD FREEDARE

**Material:** AL6061 Aluminum, Wooden Panels

**Color:** Black

**Product Dimensions (W\*D\*H):** 546\*195\*309 mm (21.5"L x 7.68"W x 12.17"H)

**Load Capacity:** ≤50 kg (110 lbs)

**Package Weight:** 1.2 KG (2.65 lbs)

**Mounting Type:** Rear Seat Mount

**Included Components:** Rear Rack, Tool Kit

**Manufacturer:** Freedare Technology Co.,Limited

**ASIN:** B0CRYVFXRL

**Date First Available:** January 10, 2024

## WARRANTY AND SUPPORT

FD FREEDARE is committed to providing high-quality products. For warranty information or technical support, please contact the manufacturer directly.

**Manufacturer:** Freedare Technology Co.,Limited

Please refer to the product packaging or the official FD FREEDARE website for the most current contact information and detailed warranty terms.

For general inquiries or to explore other products, visit the [FD FREEDARE Store on Amazon](#).

