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YHTAUTO YHTRR10169

YHTAUTO Car Roof Rack Cross Bar User Manual

Model: YHTRR10169
Brand: YHTAUTO

1. Introduction and Overview

The YHTAUTO Car Roof Rack Cross Bars are engineered to provide a robust and versatile solution for transporting various types of cargo on your vehicle's rooftop. Constructed from high-strength aluminum alloy, these cross bars offer a substantial load capacity and feature an aerodynamic design to minimize wind noise during travel. They are specifically designed for vehicles equipped with flush side rails, ensuring a secure and integrated fit for your adventures.

2. Product Features

- **High Load Capacity:** Supports up to 165 lbs (75 kg) of cargo, suitable for a wide range of equipment.
- **Durable Construction:** Made from premium aluminum alloy, treated with an electrophoretic painting process for superior corrosion and rust resistance.
- **Aerodynamic Design:** Streamlined profile reduces wind noise and vibration, contributing to a quieter ride.
- **Anti-Theft Lock:** Integrated locking mechanism provides security for your cross bars and mounted cargo.
- **Rubber Contained Components:** Features premium rubber elements designed to further reduce wind noise and prevent water from entering the bars.
- **Easy Installation:** Designed for straightforward setup with clear labels on the bars and included installation tools.

3. Compatibility

These cargo cross bars are precisely compatible with the following vehicle models:

- Kia Sportage 2023-2024 with Flush Rails

Important Note: These cross bars are designed exclusively for vehicles with**flush side rails**, meaning there is no gap between the rails and the car roof. This type of rail is commonly found on wagons and SUVs. Please verify your vehicle's rail type before installation.

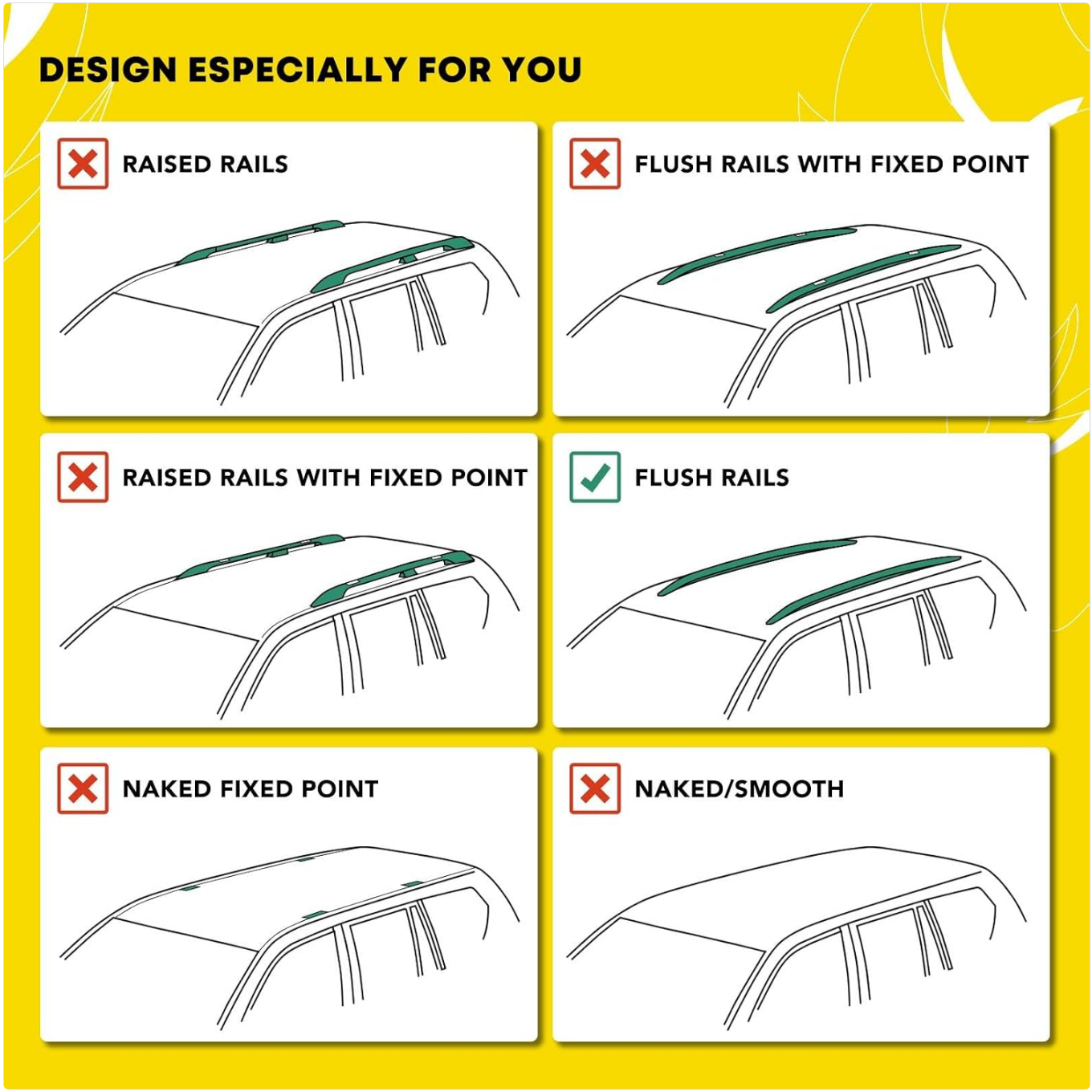


Figure 3.1: Illustration of compatible flush rails versus incompatible rail types.



Figure 3.2: Specific Kia Sportage models compatible with this roof rack system.

4. Package Contents

Upon opening your package, please ensure all the following components are present:

- 2 x Roof Rack Cross Bars
- 4 x Mounting Bases (ABS Hard Plastic)
- 2 x Keys for Anti-Theft Lock
- Mounting Hardware (bolts, Allen wrench)
- Detailed Installation Instructions



Figure 4.1: All components included in the YHTAUTO Roof Rack Cross Bar package.

5. Setup and Installation

The YHTAUTO Roof Rack Cross Bars are designed for straightforward installation. Please follow the detailed instructions provided in your package for the best results. Improper installation can lead to increased wind noise and reduced performance.

General Installation Steps:

1. Identify the front and rear cross bars using the clear labels.
2. Attach the mounting bases to the cross bars as per the instructions.
3. Position the assembled cross bars onto your vehicle's flush side rails.
4. Secure the cross bars to the flush rails using the provided hardware and tools. Ensure all bolts are tightened

evenly and securely.

5. Engage the anti-theft locks on each mounting base using the provided keys.

For visual guidance and specific torque requirements, always refer to the comprehensive installation manual included with your product.



Figure 5.1: YHTAUTO Roof Rack Cross Bars installed on a compatible vehicle.

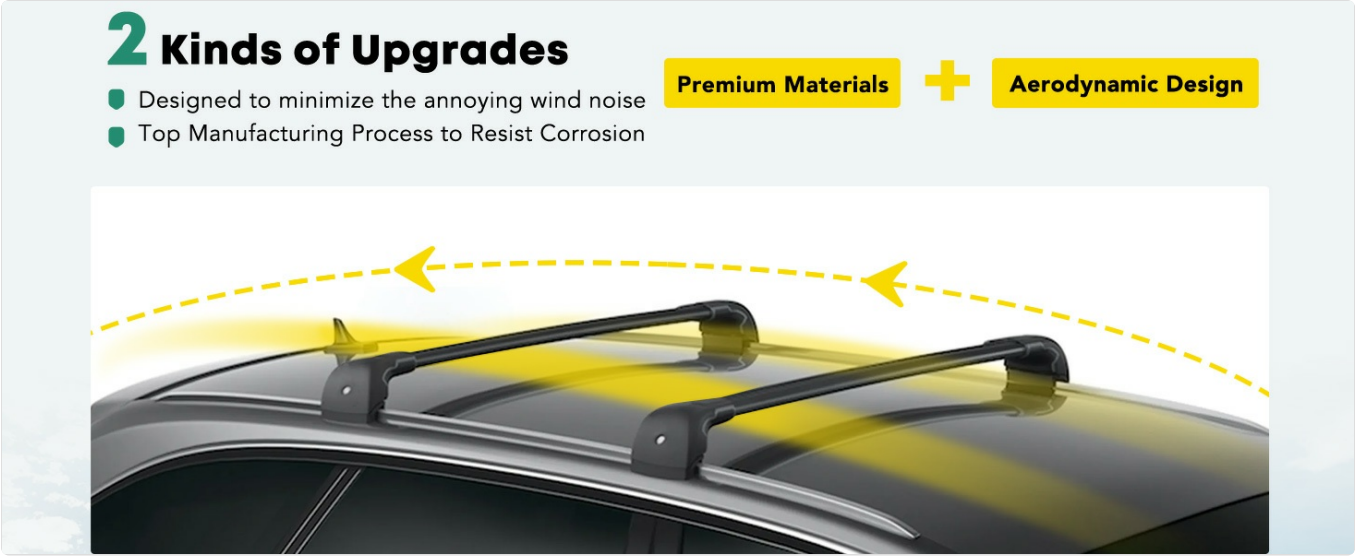


Figure 5.2: Proper installation is crucial to minimize wind noise.

6. Operating Instructions (Usage)

Once installed, your YHTAUTO Roof Rack Cross Bars are ready to transport a variety of cargo. Always ensure cargo is securely fastened and does not exceed the maximum load capacity.

Cargo Types:

These cross bars are suitable for carrying:

- Kayaks
- Bicycles
- Snowboards
- Ski Boards
- Canoes
- Rooftop Tents
- Luggage and Cargo Baskets/Boxes

Loading Guidelines:

- Distribute weight evenly across the cross bars.
- Secure all cargo using appropriate straps, ropes, or cargo nets to prevent shifting during transit.
- Do not exceed the maximum load capacity of 165 lbs (75 kg).
- Periodically check the security of your cargo and the cross bars during long trips.



Figure 6.1: The roof rack supporting bicycles, demonstrating its 165 lbs load capacity.



Figure 6.2: Examples of various cargo types that can be transported using the cross bars.



Figure 6.3: Detail of the anti-theft lock for securing the cross bars.

7. Maintenance

To ensure the longevity and optimal performance of your YHTAUTO Roof Rack Cross Bars, regular maintenance is recommended:

- **Cleaning:** Clean the cross bars regularly with mild soap and water to remove dirt, road grime, and salt. Rinse thoroughly and dry completely to prevent water spots.
- **Inspection:** Periodically inspect all mounting points, bolts, and the anti-theft lock mechanism for any signs of wear, damage, or looseness. Tighten any loose fasteners as needed.
- **Corrosion Protection:** While the bars feature electrophoretic painting for corrosion resistance, avoid prolonged exposure to harsh chemicals or abrasive cleaners that could damage the finish.
- **Rubber Components:** Check the rubber seals and inserts for cracks or deterioration. These components are

crucial for reducing wind noise and preventing water ingress.



Figure 7.1: Detail of the rubber components designed for noise reduction and water prevention.

8. Troubleshooting

Increased Wind Noise:

- **Cause:** Improper installation, loose components, or incorrect positioning.
- **Solution:** Re-check all mounting points and ensure they are securely tightened according to the installation instructions. Verify that the cross bars are positioned correctly on the flush rails. Ensure the rubber contained components are properly seated.

Difficulty with Anti-Theft Lock:

- **Cause:** Debris in the lock mechanism, worn key, or internal mechanism issue.
- **Solution:** Ensure the key is fully inserted and not bent. Clean any visible debris from the keyhole. If the issue persists, contact customer support.

Cross Bars Feel Loose:

- **Cause:** Bolts are not sufficiently tightened or have loosened over time.
- **Solution:** Re-tighten all mounting bolts using the provided Allen wrench. Always ensure the vehicle's flush rails are clean and free of obstructions before tightening.

9. Specifications

Attribute	Detail
Brand	YHTAUTO
Model Number	YHTRR10169
Item Weight	12.1 pounds
Package Dimensions	39.96 x 8.66 x 5.51 inches
Load Capacity	165 Pounds
Mounting Type	U-Bolt
Automotive Fit Type	Vehicle Specific Fit
Color	Black
Manufacturer	YTAUTOPARTS

10. Warranty and Support

For information regarding the product warranty, please refer to the warranty card included in your package or contact YHTAUTO customer service directly. Keep your proof of purchase for any warranty claims.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please contact YHTAUTO customer service through their official website or the contact information provided in your product documentation.

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