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Garvee roof-s

Garvee Steel Roof Rack Cargo Carrier (Model roof-s, S Size) Instruction Manual

Model: roof-s | Size: S (117x91x13cm)

1. Product Overview

The Garvee Steel Roof Rack Cargo Carrier is designed to provide additional storage space for your vehicle, allowing you to transport luggage, camping gear, and other items safely. Constructed from durable carbon steel with a rust-resistant coating, this roof rack features an aerodynamic design to minimize wind noise and improve fuel efficiency. It is equipped with reflective plates for enhanced visibility during night travel.



Image 1.1: Garvee Steel Roof Rack Cargo Carrier (S Size) on a vehicle.

Key Features:

- **Durable Construction:** Made from high-strength carbon steel with a 2-layer powder coating for superior hardness, wear resistance, and rust prevention.
- **Aerodynamic Design:** Features a 27° inclined fairing that reduces wind noise by approximately 12% and can improve fuel efficiency by up to 6% compared to conventional roof racks.
- **Enhanced Safety:** Includes two reflective plates for increased visibility and safety during nighttime driving.
- **Universal Compatibility:** Designed for a wide range of vehicles, including light vehicles, SUVs, small cars, passenger cars, and light vans. Compatible with square, oval, and round crossbars (refer to Section 3 for detailed compatibility).
- **High Load Capacity:** Supports a maximum load of 90 kg (198 lbs).

2. Safety Information

Please read and understand all safety instructions before installing and using the Garvee Roof Rack Cargo Carrier. Failure to follow these instructions may result in property damage, personal injury, or voiding of the product warranty.

General Safety Guidelines:

- **Maximum Load Capacity:** Do not exceed the maximum load capacity of 90 kg (198 lbs) for the roof rack or your vehicle's roof load limit, whichever is lower. Overloading can compromise vehicle stability and safety.
- **Secure Fastening:** Ensure all mounting hardware is securely tightened before each use. Regularly check the tightness of bolts and clamps, especially after driving on rough roads or at high speeds.
- **Cargo Distribution:** Distribute cargo evenly across the roof rack. Place heavier items at the bottom and center to maintain vehicle balance.
- **Secure Cargo:** Always secure cargo using appropriate straps, nets, or tie-downs to prevent shifting or falling during transit. Loose cargo can be a hazard to other drivers.
- **Vehicle Clearance:** Be aware of the increased height of your vehicle with the roof rack and cargo. Exercise caution when entering garages, car washes, or areas with low overhead clearance.
- **Driving Habits:** Adjust your driving speed and style when carrying cargo on the roof rack. Avoid sudden maneuvers, sharp turns, or excessive speeds, as this can affect vehicle handling and stability.
- **Regular Inspection:** Periodically inspect the roof rack for any signs of wear, damage, or corrosion. Replace any damaged components immediately.

3. Setup and Installation

This section provides instructions for assembling and installing your Garvee Roof Rack Cargo Carrier. A base carrier (crossbars) is required for installation and is not included with this product. Please ensure your vehicle has a compatible base carrier installed before proceeding.

3.1 Package Contents

Verify that all components are present before beginning assembly:

- Roof Rack Frame Sections
- Mounting Clamps and Hardware
- Aerodynamic Fairing
- Reflective Plates
- Assembly Tools (if included)

3.2 Assembly Instructions

The Garvee roof rack is designed for easy assembly. Follow these general steps:

1. Unpack all components and lay them out on a clean, flat surface.
2. Connect the main frame sections of the roof rack according to the included diagrams. Ensure all connections are secure.
3. Attach the aerodynamic fairing to the front section of the roof rack.
4. Install the reflective plates at the designated positions, typically on the rear of the rack.



Image 3.1: Detailed view of roof rack components and construction.

3.3 Mounting to Vehicle

Once assembled, the roof rack can be mounted to your vehicle's base carrier (crossbars). It is recommended to have at least two people for lifting and positioning the roof rack onto the vehicle to prevent damage or injury.

1. Carefully lift the assembled roof rack onto your vehicle's crossbars. Position it centrally and ensure it is level.
2. Attach the universal mounting clamps to secure the roof rack to your crossbars. Ensure the clamps fit snugly around your crossbars.
3. Tighten all bolts on the mounting clamps evenly until the roof rack is firmly secured to the crossbars. Do not overtighten.
4. Perform a final check to ensure all connections are tight and the roof rack is stable on the vehicle.

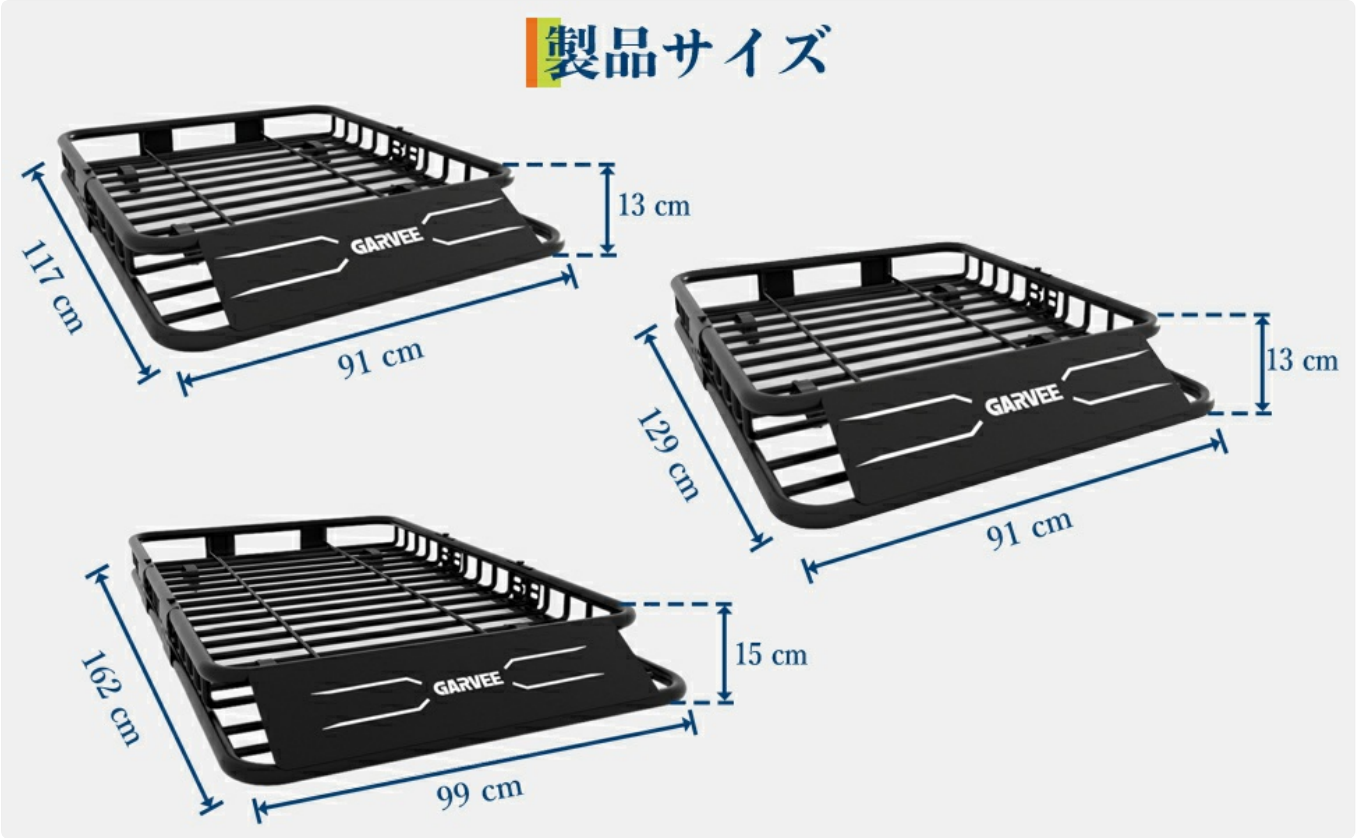


Image 3.2: Universal clamp compatibility with square, oval, and round crossbars. Applicable dimensions: Square/Oval (W≤15.68cm, H≤2.5cm); Round (Diameter≤2.5cm).

4. Operating Instructions

4.1 Loading Cargo

- Ensure the total weight of your cargo does not exceed 90 kg (198 lbs) or your vehicle's roof load limit.
- Distribute the weight of your cargo as evenly as possible across the roof rack.
- Use high-quality tie-down straps, bungee cords, or cargo nets to secure all items firmly to the roof rack. Ensure there is no movement or shifting of cargo during transit.
- Avoid placing items that could obstruct your view or interfere with vehicle operation.

4.2 Driving Considerations

- The aerodynamic design helps reduce wind noise and improve fuel efficiency. However, carrying cargo on the roof will still affect your vehicle's aerodynamics and center of gravity.
- Drive at reduced speeds, especially in windy conditions, on rough roads, or when making turns.
- Be mindful of increased vehicle height and width when driving, parking, or entering restricted areas.

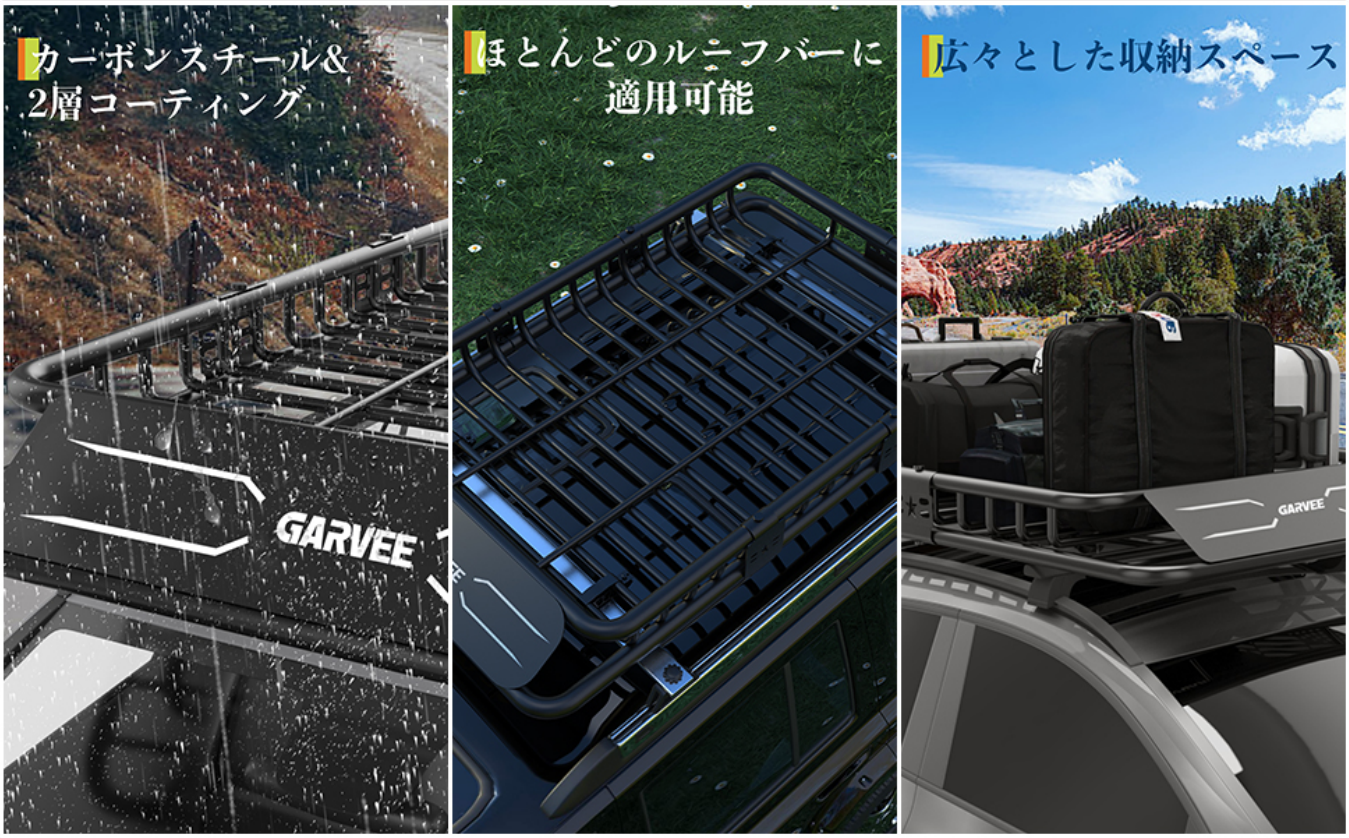


Image 4.1: Aerodynamic fairing design for reduced wind noise and improved fuel efficiency.

5. Maintenance

Proper maintenance will ensure the longevity and safe operation of your Garvee Roof Rack Cargo Carrier.

- **Cleaning:** Regularly clean the roof rack with mild soap and water to remove dirt, road grime, and salt. Rinse thoroughly and dry completely to prevent water spots and corrosion.
- **Inspection:** Periodically inspect all components for signs of wear, damage, or loose fasteners. Pay close attention to welds, joints, and mounting points.
- **Rust Prevention:** The 2-layer coating provides excellent rust resistance. However, if any scratches or chips occur, touch them up promptly with rust-inhibiting paint to prevent corrosion.
- **Storage:** If not in use for extended periods, consider removing the roof rack and storing it in a dry, protected area to prolong its lifespan.

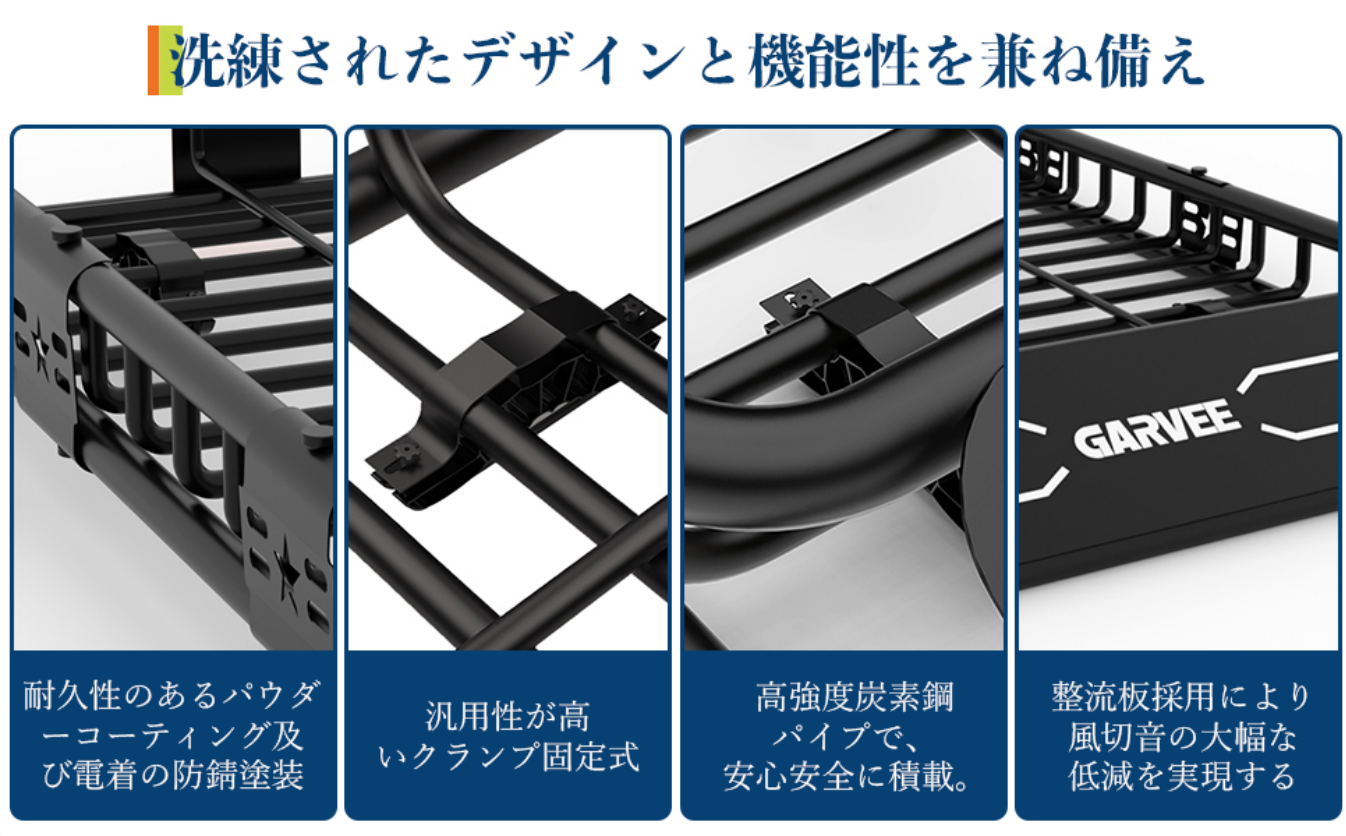


Image 5.1: The roof rack's durable coating provides protection against elements like rain.

6. Troubleshooting

This section addresses common issues you might encounter with your roof rack.

6.1 Excessive Wind Noise

- **Check Fairing:** Ensure the aerodynamic fairing is correctly installed and securely fastened at the front of the rack.
- **Cargo Placement:** Improperly loaded or unsecured cargo can create additional wind noise. Re-position and secure all items.
- **Crossbar Position:** Experiment with slightly adjusting the position of your vehicle's crossbars (if adjustable) to find a position that minimizes noise.

6.2 Rack Feels Loose or Unstable

- **Check Mounting Clamps:** Re-tighten all bolts on the mounting clamps that secure the roof rack to your crossbars. Ensure they are evenly tightened.
- **Crossbar Stability:** Verify that your vehicle's base carrier (crossbars) are themselves securely attached to the vehicle.
- **Inspect for Damage:** Check the roof rack frame and mounting hardware for any signs of damage or bending. Replace damaged parts if necessary.

7. Specifications

Feature	Detail

Feature	Detail
Brand	Garvee
Model Name	roof-s
Product Dimensions (L x W x H)	117 x 91 x 13 cm (S Size)
Product Weight	11.2 kg
Material	Carbon Steel
Color	Black
Load Capacity	90 kg (198 lbs)
Mounting Type	Strap (Universal Fit for Crossbars)
Foldable	No
Compatible Vehicle Type	Universal (Passenger cars, Vans, SUVs, Small Cars)



Image 7.1: Available sizes and dimensions for Garvee Roof Racks.

8. Warranty Information

The Garvee Roof Rack Cargo Carrier comes with a**1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, accidents, modifications, or normal wear and tear.
Please retain your proof of purchase for warranty claims.

9. Customer Support

If you have any questions regarding the installation, operation, or maintenance of your Garvee Roof Rack Cargo Carrier, or if you encounter any issues not covered in this manual, please contact Garvee customer support through the retailer where you purchased the product.
For the fastest service, please have your product model number (roof-s) and proof of purchase available when contacting support.

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