ARKSEN 005-TH-RRN54C

ARKSEN Universal Roof Rack System User Manual

Model: 005-TH-RRN54C

Introduction

This manual provides comprehensive instructions for the safe and effective installation, operation, and maintenance of your ARKSEN Universal Roof Rack System. Please read this manual thoroughly before use to ensure proper handling and to prevent damage or injury.

The ARKSEN Universal Roof Rack System is designed to expand your vehicle's cargo capacity, allowing for the secure transport of various items such as camping gear, luggage, and sports equipment. It features a robust steel construction with a protective finish and an aerodynamic design for reduced wind noise and improved fuel efficiency.

Package Contents

Upon opening the package, verify that all components listed below are present and undamaged:

- 1 x Cargo Rack
- 1 x Cargo Net
- 2 x Ratchet Straps
- 1 x 600D PVC Waterproof Cargo Bag
- 1 x User Manual (this document)



Figure 1: Overview of included components.

Safety Information

Adherence to the following safety guidelines is crucial for preventing accidents and ensuring the longevity of your roof rack system:

- **Maximum Load Capacity:** Do not exceed the maximum load capacity of 150 pounds (68 kg) for the roof rack. Also, consult your vehicle's owner's manual for its specific roof load limits.
- **Secure Installation:** Always ensure the roof rack is securely mounted to your vehicle's crossbars using all provided U-bolts. Regularly check the tightness of all fasteners, especially before and after long trips.
- **Weight Distribution:** Distribute cargo evenly across the roof rack. Place heavier items at the bottom and center to

maintain vehicle stability.

- **Cargo Securing:** Always use the provided cargo net and ratchet straps to firmly secure all items within the basket. Loose items can shift during transit, posing a hazard.
- **Speed Limits:** Driving at excessive speeds with a loaded roof rack can affect vehicle handling and stability. Adhere to reduced speed limits, especially in windy conditions or on uneven terrain. The manufacturer recommends not exceeding 60 mph with a loaded rack.
- **Overhead Clearance:** Be aware of increased vehicle height when the roof rack is installed, particularly when entering garages, car washes, or low-clearance areas.
- **Regular Inspection:** Periodically inspect the roof rack for any signs of wear, damage, or corrosion. Replace any damaged components immediately.
- **Weather Conditions:** In adverse weather conditions (strong winds, heavy rain, snow), exercise extra caution and consider reducing speed.

Setup and Installation

The ARKSEN Universal Roof Rack is designed for easy installation on vehicles equipped with factory or aftermarket crossbars. Crossbars are not included with this product.

Pre-Installation Checklist:

- Ensure your vehicle has existing crossbars.
- Verify that the crossbar distance is at least 29.7 inches for optimal fit.
- Gather all components as listed in the "Package Contents" section.
- Have basic hand tools available (e.g., wrench for U-bolts).

Installation Steps:

1. **Assemble the Cargo Rack:** Follow the assembly instructions provided in the separate manual for the cargo rack itself. The rack can be configured to two sizes: 54 x 34 x 6 inches or 35 x 34 x 6 inches, depending on your needs and vehicle size.



Figure 2: Roof Rack Dimensions and Capacity.

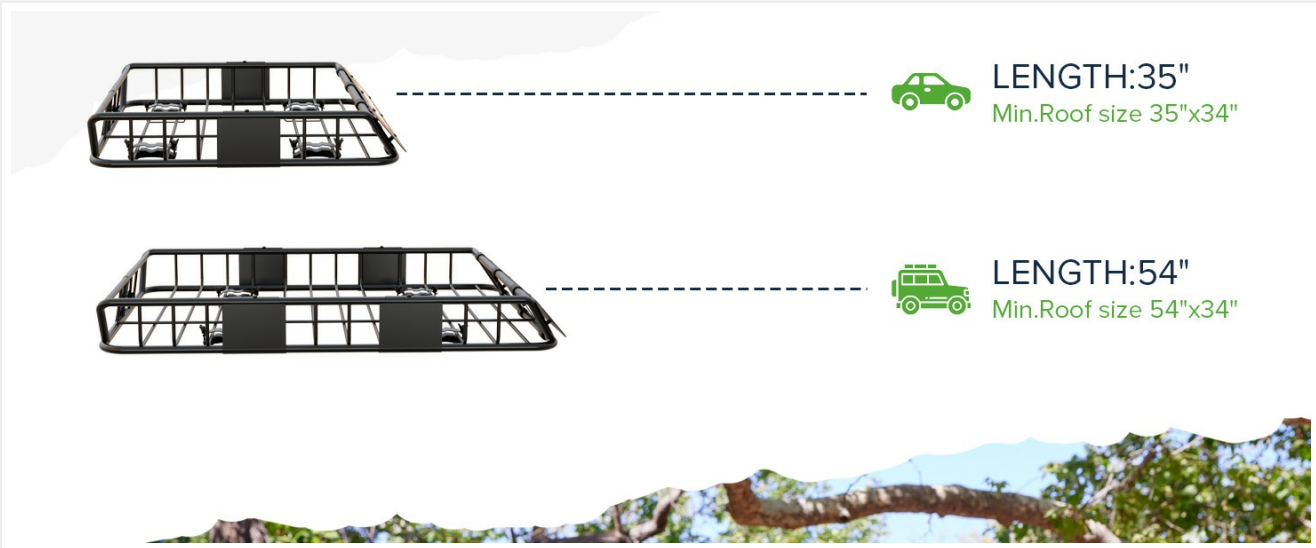


Figure 3: Multiple Size Options for the Roof Rack.

2. **Position the Rack on Crossbars:** Carefully lift the assembled cargo rack onto your vehicle's crossbars. Center the rack to ensure even weight distribution.



Figure 4: Roof Rack positioned on crossbars, showing U-bolt attachment points.

3. **Secure with U-Bolts:** Use the four universal U-bolts to attach the cargo rack to your vehicle's crossbars. Insert the U-bolts around the crossbars and through the designated holes on the rack's mounting brackets. Secure them with the provided nuts and washers. Tighten all nuts firmly but do not overtighten.



Figure 5: Detail of U-Bolt Mounting.

4. **Install Wind Deflector:** Attach the steel wind deflector to the front of the cargo rack. This component helps reduce wind noise and drag during travel.
5. **Final Check:** Before driving, double-check all connections to ensure they are tight and secure. Gently shake the rack to confirm it is stable.

Operating and Use

Once installed, the ARKSEN Roof Rack System is ready for use. Follow these guidelines for optimal performance and safety:

Loading Cargo:

- **Weight Limit:** Do not exceed the 150 lbs (68 kg) weight capacity of the roof rack.
- **Even Distribution:** Distribute the weight of your cargo as evenly as possible across the basket. Place heavier items centrally and lower.
- **Use Waterproof Bag:** For weather-sensitive items, utilize the included 600D PVC waterproof cargo bag. Ensure the

bag is properly sealed.



Figure 6: Waterproof Cargo Bag Features and Installation Methods.

- **Secure Cargo:** Use the provided cargo net and ratchet straps to firmly secure all items within the basket. Ensure there is no movement or shifting of cargo.



Figure 7: Versatile Use of the Roof Basket for various cargo types.

Driving with Loaded Rack:

- **Aerodynamic Design:** The integrated steel wind deflector is designed to minimize drag and noise.



Figure 8: Aerodynamic Design Benefits.

- **Adjust Driving:** Be mindful of the altered center of gravity and increased wind resistance. Adjust your driving style accordingly, especially when cornering, braking, or in strong crosswinds.
- **Regular Checks:** During long journeys, periodically stop and check the security of the roof rack and its cargo.

Maintenance

Proper maintenance will extend the lifespan of your ARKSEN Roof Rack System:

- **Cleaning:** Clean the roof rack with mild soap and water. Avoid abrasive cleaners or solvents that could damage the powder-coated finish.
- **Rust Prevention:** The rack features a black powder-coated and galvanized finish for rust resistance. To further extend its lifespan, it is recommended to store the roof rack indoors when not in use, especially in areas with high humidity or salt exposure.



Figure 9: Durable Construction for Longevity.

- **Fastener Checks:** Regularly inspect all bolts, nuts, and mounting hardware for tightness. Re-tighten as necessary.
- **Component Inspection:** Check the cargo net, straps, and waterproof bag for any signs of wear, tears, or damage. Replace worn components to ensure safe cargo securing.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Rack feels loose or unstable after installation.	U-bolts not tightened sufficiently.	Re-tighten all U-bolts firmly. Ensure they are evenly tightened.
Excessive wind noise during driving.	Wind deflector improperly installed or damaged. Cargo not loaded aerodynamically.	Ensure wind deflector is securely attached and facing forward. Try to load cargo with a lower profile, placing smaller items at the front.

Problem	Possible Cause	Solution
Cargo shifting during transit.	Cargo not properly secured with net and straps.	Always use the cargo net and ratchet straps. Ensure straps are taut and cargo is tightly bound. Distribute weight evenly.
Water inside cargo bag.	Bag not properly sealed or damaged.	Ensure all zippers and flaps on the waterproof bag are completely closed and sealed. Inspect the bag for any punctures or tears.

Specifications

Feature	Detail
Model	005-TH-RRN54C
Brand	ARKSEN
Color	Black
Material	Heavy-duty tubular steel with black powder-coated and galvanized finish
Dimensions (L x W x H)	Adjustable: 54 x 34 x 6 inches or 35 x 34 x 6 inches
Load Capacity	150 Pounds (68 kg)
Mounting Type	U-Bolt (requires vehicle crossbars)
Item Weight	37.7 pounds (17.1 kg)
Included Bag Material	600D PVC Waterproof
UPC	192928043440

Warranty and Support

Warranty Information:

The ARKSEN Universal Roof Rack System is covered by a **1-Year Warranty** from the date of purchase, covering manufacturing defects in materials and workmanship. This warranty 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.



Figure 10: 1-Year Warranty.

Customer Support:

For technical assistance, warranty claims, or inquiries regarding replacement parts, please contact ARKSEN customer support. Refer to the contact information provided on the product packaging or the official ARKSEN website.
For more information and product updates, visit the official ARKSEN Store:ARKSEN Store on Amazon.

© 2025 ARKSEN. All rights reserved.
This manual is subject to change without notice.