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Snailfly SN-UCB42022GCL

Snailfly Heavy-Duty Roof Rack Cross Bars Instruction Manual

Model: SN-UCB42022GCL
Brand: Snailfly

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Snailfly Heavy-Duty Roof Rack Cross Bars. These cross bars are designed to enhance the cargo carrying capabilities of your vehicle, allowing for the secure transport of various rooftop accessories.

Compatibility: These cross bars are specifically designed to fit the following vehicle models:

- 2021-2025 Jeep Grand Cherokee L 3-Row
- 2022-2025 Jeep Grand Cherokee 2-Row



Figure 1.1: Snailfly Roof Rack Cross Bars mounted on a Jeep Grand Cherokee L.



Figure 1.2: Visual guide to compatible Jeep Grand Cherokee models.

2. What's in the Box

Your Snailfly Roof Rack Cross Bars package includes the following components:

- Two (2) Cross Bars (Front and Rear)
- Mounting Hardware Kit (screws, washers, tools)

- Instruction Manual (this document)

3. Setup and Installation

Installation of the Snailfly cross bars is designed to be straightforward, requiring no drilling or cutting. Follow these steps for proper installation:

1. **Identify Front and Rear Bars:** The front cross bar is typically longer than the rear cross bar. Ensure you use the correct bar for each position.

   Your browser does not support the video tag.

   Video 3.1: Detailed installation guide for Snailfly Roof Rack Cross Bars. This video demonstrates the process of assembling the bars and securing them to the vehicle's roof rails.

2. **Assemble Bars Off-Car:** It is recommended to assemble the cross bars with their mounting brackets off the vehicle first. Loosen the screws that connect the bar to the bracket to allow for adjustment.
3. **Position on Roof Rails:** Carefully place the assembled cross bars onto the existing preset locations on your vehicle's roof side rails.
4. **Adjust for Fitment:** Slide the cross bar within its brackets to align with the mounting points on your roof rails. Ensure a snug fit.
5. **Secure Mounting Screws:** Once positioned correctly, tighten the screws that secure the cross bars to the roof rails. Then, tighten the screws that connect the cross bar to its brackets. Ensure all screws are tightened securely to prevent movement.



Figure 3.1: The aerodynamic design of the cross bars helps minimize wind noise during travel.

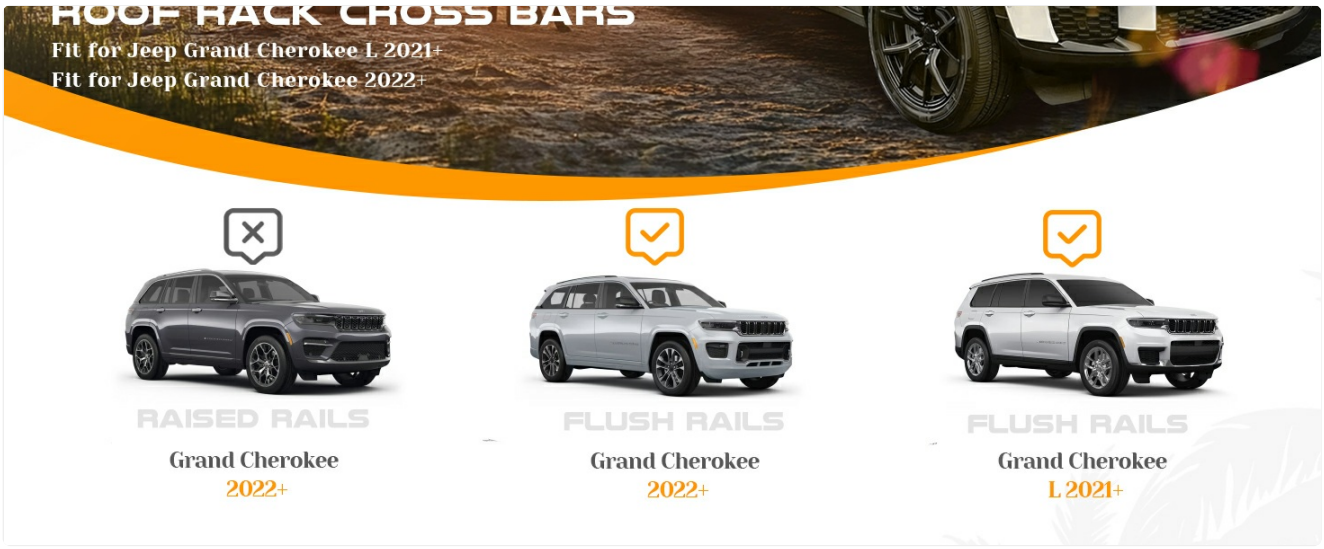


Figure 3.2: Noise reduction characteristics of the cross bars at various speeds.

4. Operating Instructions

Your Snailfly cross bars are designed for heavy-duty use and offer flexible mounting options for various cargo needs.

- **Load Capacity:** The maximum load capacity for these cross bars is 220 lbs (approximately 100 kg). Do not exceed this weight limit to ensure safety and prevent damage to your vehicle or the cross bars.

  Your browser does not support the video tag.

  Video 4.1: A demonstration of the load-bearing capability of the Snailfly Roof Rack Cross Bars.

- **Flexible Mounting Positions:** Both the front and rear bars are adjustable. The rear bar can be positioned in both mid and rear locations on the roof rails, providing versatility for mounting different rooftop accessories such as:
  - Bikes
  - Kayaks
  - Snowboards
  - Ski Racks
  - Cargo Boxes



Figure 4.1: Illustration of the adjustable mounting positions for both cross bars.



Figure 4.2: The cross bars support various outdoor activities and cargo types.

5. Maintenance

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

- **Regular Inspection:** Periodically check all mounting hardware (screws, clamps) to ensure they remain tight and secure. Vibrations during driving can sometimes loosen fasteners.
- **Cleaning:** Clean the cross bars regularly with mild soap and water to remove dirt, grime, and road salt. Avoid abrasive cleaners or solvents that could damage the finish.

- **Seasonal Check:** Before and after long trips or seasonal changes, inspect the bars for any signs of wear, corrosion, or damage. Address any issues promptly.
- **Storage:** If removing the cross bars for extended periods, store them in a dry, protected area to prevent exposure to harsh weather conditions.

6. Troubleshooting

This section addresses common issues you might encounter with your cross bars.

- **Excessive Wind Noise:**
  - Ensure all components are securely tightened. Loose parts can vibrate and cause noise.
  - Verify the cross bars are installed in the correct orientation (aerodynamic side facing forward, if applicable).
  - Check for any gaps between the cross bars and the roof rails.
- **Bars Feel Loose After Installation:**
  - Re-tighten all mounting screws, ensuring they are torqued to the recommended specifications (if provided in a separate guide, otherwise tighten firmly).
  - Confirm that the bars are correctly seated in the vehicle's factory mounting points.
- **Difficulty Installing:**
  - Refer to the installation video (Video 3.1) for a visual step-by-step guide.
  - Ensure you have identified the front and rear bars correctly.
  - Do not force components; if they don't fit, re-check alignment and instructions.

7. Specifications

Brand	Snailfly
Model Number	SN-UCB42022GCL
Item Weight	11.28 pounds
Package Dimensions	41.25 x 6.5 x 5.5 inches
Country of Origin	China
Load Capacity	220 Pounds (100 kg)
Mounting Type	Clamp Mount, Crossbar Mount, Rails, Roof Mount
Material	Upgraded Aluminum Alloy (for brackets and clamps)

8. Warranty and Support

Snailfly is committed to providing high-quality products. For any questions regarding installation, operation, or troubleshooting, please contact Snailfly customer support. Refer to your purchase documentation or the Snailfly official website for specific warranty details and contact information.
We recommend retaining your proof of purchase for warranty claims.

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