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› Snailfly Roof Rack Cross Bars User Manual for Jeep Grand Cherokee L (3-Row) 2021+ and Grand Cherokee (2-Row) 2022+ (Model SN-C1157)

## Snailfly SN-C1157

# Snailfly Roof Rack Cross Bars User Manual

Model: SN-C1157

For Jeep Grand Cherokee L (3-Row) 2021+ and Grand Cherokee (2-Row) 2022+

## 1. INTRODUCTION

Thank you for choosing Snailfly Roof Rack Cross Bars. This manual provides essential information for the correct installation, safe operation, and proper maintenance of your new cross bars. Please read these instructions thoroughly before installation and retain them for future reference.

### 1.1 Compatibility

- Compatible with 2021, 2022, 2023, 2024, 2025, 2026 Jeep Grand Cherokee L 3-Row.
- Compatible with 2022, 2023, 2024, 2025, 2026 Jeep Grand Cherokee 2-Row.

### 1.2 Key Features

- **Durability:** Constructed from high-grade aircraft aluminum alloy, ensuring lightweight, anti-rust, and anti-corrosion properties.
- **Aerodynamic Design:** Engineered with an aerodynamic shape to minimize wind noise during travel, providing a comfortable driving experience.
- **Sunroof Compatibility:** Designed to allow full operation of the panoramic sunroof with the cross bars installed.
- **Easy Installation:** Simple bolt-on installation to original car roof rails, requiring no drilling or cutting.

## 2. PACKAGE CONTENTS

Please verify that all components are present before beginning installation:

- 1 Pair of Cross Bars (Front and Rear)

- Mounting Hardware (Bolts, Washers, Allen Wrench)
- Sponge Pads

# PACKAGE INCLUDE



24-hour  
customer service

**Inside The Package Are  
A Pair of Crossbars and  
Mounting Hardware**

Figure 1: Package Contents - Two cross bars, four mounting feet, bolts, and an Allen wrench.

## 3. SETUP AND INSTALLATION

Follow these steps carefully to ensure proper and secure installation of your Snailfly Roof Rack Cross Bars.

### 3.1 Identify Front and Rear Bars

The front cross bar is longer than the rear cross bar. Identify them before proceeding. The bars are also designed with a round head facing the front of the vehicle and a pointy head facing the rear for optimal aerodynamics.

# COMPATIBLE MODEL

ONLY FIT FOR JEEP GRAND CHEROKEE L 2021+ &  
JEEP GRAND CHEROKEE 2022+



Jeep  
Grand Cherokee L  
3-row 2021+



Jeep  
Grand Cherokee  
2-row 2022+



Figure 2: Front and Rear Cross Bars - Note the 'FRONT' and 'REAR' labels for correct placement.

## 3.2 Assemble Cross Bars

1. Attach the four bases to the middle bars. Insert the screws but **do not tighten them completely** at this stage. This allows for adjustment.
2. Ensure the sponge pads are attached to the base feet to protect your vehicle's roof rails.
3. The length of the cross bars can be adjusted by sliding the bases along the bar. Adjust the length to fit your vehicle's roof rails.

# **COMPATIBLE WITH SUNROOF**



Figure 3: Easy Bolt-on Installation - Illustrates the simple attachment to existing roof rails.

### **3.3 Mount Cross Bars to Vehicle**

4. Carefully place the assembled front cross bar onto the front section of your vehicle's roof rails.
5. Align the mounting holes on the cross bar bases with the designated attachment points on your vehicle's roof rails.
6. Insert the provided bolts through the cross bar bases and into the roof rails. Hand-tighten initially.
7. Repeat steps 4-6 for the rear cross bar.
8. Once both bars are in place and aligned, use the supplied Allen wrench to fully tighten all screws. Ensure they are secure but do not overtighten.

### **3.4 Installation Videos**

Video 1: Roof Rack Cross Bars Installation - A visual guide to installing the cross bars on your vehicle.

Video 2: Dynamic Display of the SUNROOF - Demonstrates sunroof operation with cross bars installed.

## **4. OPERATING INSTRUCTIONS**

## 4.1 Load Capacity

The Snailfly Roof Rack Cross Bars have a maximum load capacity of **220 lbs (100 kg)**. Do not exceed this weight limit. Distribute the load evenly across the cross bars. Always refer to your vehicle's owner's manual for its specific roof load capacity, and never exceed the lower of the two ratings.

# PRODUCT DETAILS



Anti-rust premium Aluminium alloy with black powder-coated finish



Aerodynamic structure to reduce wind noise



Pre-drilled holes for easy installation



Adjustable length for your convenience

Figure 4: Maximum Load Capacity - Examples of items that can be transported within the 220 lbs limit.

## 4.2 Sunroof Operation

The design of these cross bars ensures that the panoramic sunroof can be opened and closed without obstruction. Verify proper sunroof operation after installation.

# MAXIMUM 220 LBS LOAD CAPACITY



Surfboard



Skis



Kayak



Cargo Box



Figure 5: Sunroof Compatibility - The panoramic sunroof can operate freely with the cross bars.

## 5. MAINTENANCE

Regular maintenance will prolong the life and ensure the safe operation of your Snailfly Roof Rack Cross Bars.

- **Regular Inspection:** Periodically check all mounting bolts and connections to ensure they remain tight. Retighten if necessary.
- **Cleaning:** Clean the cross bars with mild soap and water. Avoid abrasive cleaners or solvents that could damage the finish.
- **Seasonal Care:** If not in use for extended periods, consider removing the cross bars to minimize wear and tear, especially in harsh weather conditions.

## 6. TROUBLESHOOTING

If you encounter any issues with your Snailfly Roof Rack Cross Bars, please refer to the following common solutions:

- **Excessive Wind Noise:** Ensure all components are securely tightened. The aerodynamic design

minimizes noise, but loose parts can increase it. Verify correct front/rear bar orientation.

- **Loose Fit:** Recheck all mounting bolts and ensure they are tightened to the recommended specifications. Confirm that the adjustable length of the bases is correctly set for your vehicle's roof rails.
- **Sunroof Obstruction:** Double-check that the cross bars are installed in the correct positions and that no part is interfering with the sunroof's path.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	SN-C1157
Material	High-grade Aircraft Aluminum Alloy
Color	Black
Load Capacity	220 lbs (100 kg)
Item Weight	7.19 pounds
Package Dimensions	38 x 6.2 x 5 inches

## 8. WARRANTY AND SUPPORT

Snailfly products are manufactured to high-quality standards. For any warranty claims, technical support, or inquiries regarding your product, please contact the manufacturer directly through their official channels. Keep your purchase receipt as proof of purchase.