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Snailfly SN-C442

Snailfly Black Crossbar Instruction Manual

Model: SN-C442
Brand: Snailfly

1. PRODUCT OVERVIEW

The Snailfly Black Crossbars are designed to enhance the cargo carrying capacity of your vehicle. These crossbars provide a secure and versatile platform for transporting various items such as bicycles, kayaks, cargo boxes, and snowboards. Constructed from high-quality aviation aluminum alloy, they offer durability and corrosion resistance, ensuring reliable performance for your travel needs.

The aerodynamic design of the crossbars helps to minimize wind resistance and noise, contributing to improved fuel efficiency. Each bar features an adjustable length, allowing for flexible positioning to accommodate different cargo types and mounting requirements.



Image: Snailfly Black Crossbars shown with a Toyota Sienna, illustrating the product's intended use and appearance.

2. COMPATIBILITY

These Snailfly crossbars are specifically designed to fit the following vehicle models:

- 2021 Toyota Sienna
- 2022 Toyota Sienna
- 2023 Toyota Sienna
- 2024 Toyota Sienna
- 2025 Toyota Sienna

Important: Factory raised side rails are required for the proper installation of these crossbars. This product is not compatible with Toyota Sienna models from 2011-2020 or vehicles without existing raised side rails.

COMPATIBLE MODEL

ONLY FIT FOR TOYOTA SIENNA 2021+



**Toyota
Sienna
2021+**



**Toyota
Sienna
2011-2020**



Image: Visual guide indicating compatibility with 2021 and newer Toyota Sienna models, and incompatibility with older models (2011-2020).

3. PACKAGE CONTENTS

Please verify that all components listed below are present in your package before beginning installation:

- 2 x Cross Bars (one longer for front, one shorter for rear)
- 4 x Mounting Brackets (feet)

- Mounting Hardware (screws, washers, Allen wrench)

PACKAGE INCLUDE



2 Cross Bars

Mounting Hardware



**24-hour
customer service**

Image: An illustration of all components included in the Snailfly crossbar package, showing the two crossbars, four mounting brackets, and associated hardware.

4. SETUP AND INSTALLATION

Installation of the Snailfly crossbars is designed to be straightforward and does not require any cutting or drilling into your

vehicle. Follow these steps carefully for proper and secure installation:

1. **Identify Front and Rear Bars:** The two crossbars are of different lengths. The **longer bar is for the front** of your vehicle, and the **shorter bar is for the rear**. While markings (A/B or L/R) may be present, confirm by length. The "L" marking typically indicates the driver's side (left) and "R" indicates the passenger's side (right) when facing forward.



Image: A visual guide to distinguish between the front (longer) and rear (shorter) crossbars, including measurement references.

2. **Position Mounting Brackets:** Attach the four mounting brackets to the ends of the crossbars. Ensure the brackets are oriented correctly to align with your vehicle's raised side rails.
3. **Place Crossbars on Side Rails:** Carefully place the assembled front crossbar onto the front section of your vehicle's raised side rails. Repeat for the rear crossbar on the rear section.
4. **Adjust Length (if necessary):** Each crossbar's length can be adjusted using the provided Allen wrench. Loosen the adjustment screws, slide the bar to the desired length to fit snugly between the side rails, and then securely tighten the screws. Ensure both sides are adjusted evenly.
5. **Secure to Side Rails:** Using the provided hardware (screws and washers), attach the mounting brackets to the designated points on your vehicle's factory raised side rails. Tighten all screws firmly but do not overtighten.
6. **Final Check:** After installation, gently shake each crossbar to ensure it is securely fastened and does not wobble. Verify that all screws are tight and that the bars are level.

It is recommended to periodically check the tightness of all mounting hardware, especially after the first few uses and before long trips.

5. OPERATING AND USAGE

The Snailfly crossbars are designed for versatile cargo transport. Adhere to the following guidelines for safe and effective use:

- **Maximum Load Capacity:** The maximum loading capacity for these crossbars is **150 pounds (68 kg)**. Do not exceed this weight limit. Exceeding the maximum load capacity can lead to damage to the crossbars, your vehicle, or pose a safety risk.
- **Cargo Distribution:** Distribute the weight of your cargo evenly across the crossbars. Secure all items firmly using appropriate tie-downs, straps, or cargo nets to prevent shifting during transit.
- **Aerodynamic Considerations:** While the crossbars feature an aerodynamic design, large or irregularly shaped cargo can significantly increase wind resistance. Drive cautiously and adjust your speed, especially in windy conditions or when carrying bulky items.
- **Compatible Accessories:** These crossbars are compatible with various roof rack accessories, including bike racks, kayak carriers, ski/snowboard carriers, and roof cargo boxes. Ensure any accessory used is compatible with crossbar mounting systems and does not exceed the overall weight limit.



Surfboard



Skis



Kayak



Cargo Box



Bike



**150 LBS MAXIMUM
LOAD CAPACITY**

Image: A Toyota Sienna equipped with Snailfly crossbars, demonstrating the ability to carry bicycles using a compatible roof rack accessory.

MUST-HAVE



Image: A Toyota Sienna with Snailfly crossbars transporting two surfboards, showcasing the versatility for various recreational equipment.

6. MAINTENANCE

Regular maintenance will help prolong the life and ensure the safety of your Snailfly crossbars:

- **Cleaning:** Clean the crossbars periodically with mild soap and water. Avoid abrasive cleaners or solvents that could damage the finish.

- **Hardware Inspection:** Regularly inspect all mounting hardware (screws, bolts, brackets) for tightness. Vibrations during driving can cause fasteners to loosen over time. Tighten any loose components immediately.
- **Damage Check:** Inspect the crossbars and mounting brackets for any signs of damage, cracks, or wear, especially after carrying heavy loads or long trips. If any damage is observed, discontinue use and contact customer support.
- **Seasonal Removal:** If you do not use the crossbars frequently, consider removing them during periods of non-use to minimize exposure to harsh weather conditions and reduce potential wind noise or drag.

7. TROUBLESHOOTING

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
Crossbars feel loose or wobble after installation.	Mounting screws are not sufficiently tightened.	Ensure all mounting screws are tightened firmly using the provided Allen wrench. Re-check all four attachment points.
Difficulty identifying front/rear bars.	Markings are unclear or confusing.	The longer crossbar is always for the front of the vehicle, and the shorter one is for the rear. Use a measuring tape if necessary to confirm lengths.
Increased wind noise during driving.	Improper installation or cargo placement.	Ensure crossbars are installed correctly and securely. Verify that no gaps exist between the bars and mounting points. If carrying cargo, ensure it is streamlined and securely fastened to minimize air turbulence.
Plastic mounting components appear stressed or cracked.	Overtightening of screws, excessive load, or material fatigue.	Do not overtighten screws during installation. Ensure the maximum load capacity of 150 lbs is never exceeded. If components are cracked, discontinue use immediately and contact Snailfly customer service for replacement parts.

8. SPECIFICATIONS

Attribute	Detail
Brand	Snailfly
Model Number	SN-C442
Compatibility	2021-2025 Toyota Sienna (with factory raised side rails)
Material	High-quality Aviation Aluminum Alloy
Color	Black
Maximum Load Capacity	150 Pounds (68 kg)
Item Weight	6.39 pounds (2.9 kg)
Package Dimensions	35.8 x 6.25 x 5.15 inches (90.9 x 15.9 x 13.1 cm)
Mounting Type	Crossbar Mount, Roof Rails

9. CUSTOMER SUPPORT

For any questions, concerns, or assistance with your Snailfly crossbars, please contact our customer service team. We are committed to providing timely after-sales service.

Please refer to your purchase documentation or the retailer's website for specific contact information.

For more information about Snailfly products, visit the official [Snailfly Store on Amazon](#).

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