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**CARBON FIBER CROSSBAR KIT
INSTALLATION GUIDE**

V.111924

Thank you for purchasing our Carbon Fiber Crossbar Kit!

Please take a moment to carefully review the instructions and safety warnings included in this manual. If you have any questions or need assistance, feel free to contact our support team at:

support@inspiredoverland.com

Disclaimer

This Carbon Fiber Crossbar Kit is designed to securely mount to the top of your rooftop tent and accommodate additional accessories, such as solar panels, cargo boxes, skis, snowboards, surfboards, and more. While the kit is engineered for versatility and durability, it is crucial to adhere to the following weight guidelines and usage recommendations to ensure the safety and longevity of your equipment:

- The factory gas struts on the Carbon Fiber RTT are rated for 55 lbs each.
- If upgraded, the provided gas struts are rated for 67 lbs each.
- **Maximum weight limit:** Do not exceed a total of 67 lbs of added weight on the crossbars.

Exceeding the specified weight limit may compromise the performance of the gas struts, accelerate wear, or cause damage to the tent's mechanism. Failure to comply with these weight restrictions or proper usage guidelines may void your warranty and lead to additional repair costs.

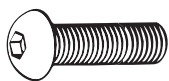
Proper Use Recommendations

- Ensure weight is evenly distributed across the crossbars.
- Regularly inspect the crossbar kit, mounting hardware, and struts for signs of wear or damage.
- Periodically check all fasteners during use to maintain stability and safety.
- Follow all instructions provided in the installation and maintenance guide.

By using this product, you acknowledge and accept these terms and the associated risks of exceeding the recommended limits. If you have questions or need assistance, please contact support@inspiredoverland.com.

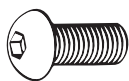
Carbon Fiber Rails and Crossbars Installation Guide

Package Contents



12x

Mounting Bolts (A)



8x

Crossbar Bolts (B)



14x

T-Track Nut



14x

Flat Washer



14x

Lock Washer



2x

Carbon Fiber Rails



2x

Crossbars



2x

67 lb Gas Struts



6x

Support L Brackets

Required Tools

- Hex key or Allen wrench (appropriate size for bolts)

Pre-Install Notes:

In this guide, we will begin by installing one rail on one side of the tent, followed by mounting the crossbars to this rail. Once the crossbars are in place, we will proceed with installing the final rail. This method simplifies the installation process and ensures proper alignment of your crossbars.

Installing Carbon Fiber Rails

Insert T-Track Nuts

Insert three T-track nuts into the t-slot channel of your Carbon Fiber Rooftop Tent.

Align the T-Track Nuts

Position the T-track nuts so they align with the mounting holes on the Carbon Fiber Rail.

Position the Rail

Adjust the Carbon Fiber Rail to your desired placement for optimal functionality.

Tip: You can insert the bolt into the T-track nut to help position the rail. This will keep everything secure as you make adjustments.

Attach the L-Brackets

Place an L-bracket over each mounting hole on the Carbon Fiber Rail, ensuring they align with the crossbar mounting holes on top.



Secure the Rail

Insert **Mounting Bolt (A)** through the L-bracket and rail holes, followed by a lock washer and flat washer. Ensure these components align with the T-track nut.

Tighten the Bolts

Hand-tighten the bolts into the T-track nuts. Avoid using a drill or overtightening to protect the rail and threading.

Installing the Crossbars

Identify Crossbar Mounting Positions

The top of the Carbon Fiber Rails has six (6) predefined positions for crossbar installation.

Position the Crossbars

Place both crossbars on top of your rooftop tent, ensuring they are positioned under the Carbon Fiber Mounting Rails.

Insert T-Track Nuts

Insert a T-track nut into each crossbar's channel and slide them toward the ends of the crossbars.

Align the Crossbars

Position the crossbars at your preferred mounting points, ensuring the T-track nuts align with the Carbon Fiber Mounting Rail holes.



Secure the Crossbars

Insert **Crossbar Bolt (B)** through the mounting holes, followed by a lock washer and flat washer. Ensure they align with the Carbon Fiber Rail and T-track nuts.

Tighten the Bolts

Hand-tighten the bolts into the T-track nuts. Avoid using a drill or overtightening to protect the rail and threading.

Installing Gas Struts

The installation of the gas struts will depend on the weight of your accessories. If you plan to open the tent with your accessories still attached, we recommend upgrading to the provided 67 lb gas struts to support the additional weight if it exceeds 55 lbs. This ensures proper functionality and prevents strain on the tent's mechanism.

Please note that closing your tent may require more effort due to the increased strength of the upgraded struts.

Important Note: We do not recommend sleeping in the tent with fully loaded crossbars, as gas struts can lose pressure in colder climates. Lower temperatures may cause the gas inside the struts to compress, reducing their lifting capacity and overall effectiveness.

To ensure safety and stability when sleeping in colder climates, we also recommend looking into hood strut clamps. These clamps will lock your gas struts in place and prevent unintentional lowering of the tent.

To replace the gas struts:

- Remove the existing gas struts by detaching them from their mounting points.
- Reuse the same hardware to attach the new gas struts securely.