



upTOP
4036/4039
TENT RISERS

Thank you for selecting upTOP™ as the choice for your vehicle. The accessory mount you've purchased requires competency with basic hand tools, measurement, and assembly procedures. If you are not comfortable or you feel it is above your pay grade you are encouraged to seek professional installation of this product.

TOOLS REQUIRED

- 5/32 Allen wrench
- Tape Measure
- 13mm Wrench (Most Roof Top Tent Hardware-Sizes may vary)

You are encouraged to inspect the contents of your package prior to completing assembly and installation. For any missing/damaged parts email pictures and descriptions to support@uptopoverland.com with your order number as reference in the subject line. A specialist will assist you with the process for field repair or component replacement.

- **The hardware included with this kit is compatible with all 2x1" (25.4x50.8mm) 10 series extrusion products.**
- **Supplied hardware is m6x1.00**
- **Machined holes and slots are compatible with m8 as well as 5/16-18 hardware size.**

upTOP products are designed, manufactured and tested in the Rocky Mountains of Colorado. Each product is meticulously engineered to rigorous standards with emphasis on rigidity, practicality and the signature upTOP look. Never use a product in a manner inconsistent with its design. Never exceed verified product load capacity. Never alter, manipulate or otherwise modify our product without express written permission.



WARNING

The included tent riser brackets must be mounted to a common plane. DO NOT attach a portion of this kit to a roof rack and the remainder to a bed rack or any other structure. Vehicle articulation causes cabs and beds to flex opposite of one another which can result in product failure, damage to your roof top tent, or vehicle damage.

OVERVIEW

This guide covers the following product(s):

- 4036 2.0" (50.8mm)
- 4039 1.0" (25.4cm)

Both kits are available in four (4) or six (6) piece kits.

PART #	Maximum Tent Size (Length/IN)	Maximum Tent Weight (Dynamic/LB)
4036.4	62.00	150
4036.6	96.00	225
4039.4	62.00	150
4039.6	96.00	225

SIZE/WEIGHT RESTRICTIONS

Manufacturer	Hardware Size	Included (Yes/No)
upTOP overland	M6x1.00	Yes
Prinsu Design Studio	M6x1.00	Yes
Prinsu Design Studio Copies	M6x1.00	Yes
Front Runner	M8x1.25	No
Rhino-Rack	M8x1.25	No

HARDWARE COMPATIBILITY

PART #	Quantity	Description
C764*	8/12**	M8x20mm T Bolt
W022*	8/12**	M10x38mm Flat Washer
N028*	8/12**	M8 Nyloc Nut

Rhino-Rack Proprietary Hardware. *Denotes Rhino-Rack Part Number **Denotes Quantity for 4/6 Riser Kits

PART #	Quantity	Description
91310A535*	8/12**	M8x1.25x25mm Hex Head Bolt Class 10
91116A160*	8/12**	8x24mm Stainless Steel Fender Washer
97260A102**	8/12**	M8x1.25 Nylon Lock Nut Class 10

Front Runner Compatible Hardware *Available from McMaster-Carr ** Denotes Quantity for 4/6 Riser Kits

MOUNTING OPTIONS

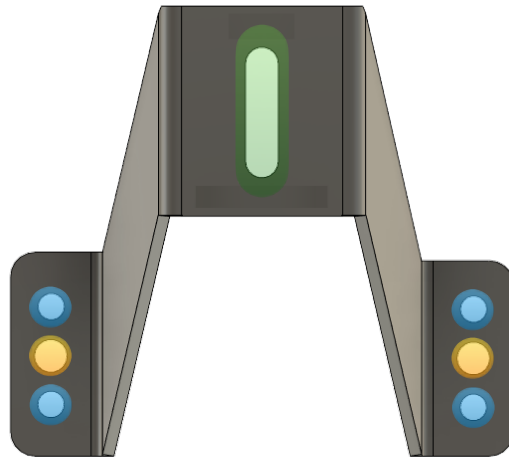


Figure 1
Tent Riser
4039 (2") Shown from top

Holes shown in **BLUE** are compatible with upTOP/Prinsu Load Bars.
Holes shown in **ORANGE** are compatible with Rhino-Rack/Front Runner.
Slot shown in **GREEN** is for tent attachment.*

*Tent attachment hardware is provided by tent manufacturer and **NOT** included with this kit.
Consult installation guide from tent provider for information on tent related hardware.

The **BLUE** holes will align with 2x1 (25.4x50.8mm) load bars. The provided M6 hardware will be used for attaching the risers (4039/4036) to the load bars.

The **ORANGE** holes will align with Rhino-Rack/Front Runner load bars. You will require M8 hardware (**NOT INCLUDED**) for completing this task. See chart on previous page for recommendations.

It is CRITICAL that the riser mounts are fully supported by the load bar they are being installed on.

You want the tent risers as far apart from one another as you can get them to distribute the weight of the tent across the rack the tent is being mounted on. Think of it as a center of gravity. The closer to the front/back of your tent the risers are attached to the more stable the foot print of the whole assembly.

ALIGNMENT

Prior to installation you need to determine the mounting location of the risers on your load bars.

The following formula will help determine placement.

- Take a measurement of the width of the load bar in your roof rack and record that here:

A: _____

- Take a measurement of the mounting rails on the bottom of your tent (Center to Center as shown) and

Record that here. B: _____

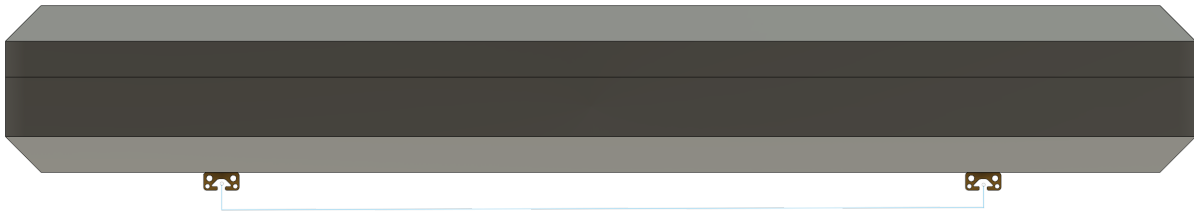


Figure 2

Tent Mounting Rails Center to Center

Measure from the center of each track. This will give you the distance that the tent risers need to be placed apart from one another.

Subtract B from A and record that number here. C: _____

Divide C by 2 and record that number here. D: _____

The answer you solved for (D) represents the distance from the edge of your load bar to the center slot of your tent riser from each side of your rack.

Example: (5G 4Runner)

A: 50 Inch Load Bar

B: 32" Center to Center of Tent Mounting Rail.

C: Subtracted B from A = 18"

D: $18"/2 = 9"$

The center of the slot in our riser needs to be 9" from the edge of the load bar. The number you get (D) will be the same for all risers/load bars being used in any application.

LOAD BAR MOUNTING

With the math in place you can position the tent risers onto the load bars of your rack with the provided M6x1.00 hardware. Each tent riser will receive the same hardware assortment so repeat the process as many times as you have tent risers.

The following steps outline the hardware used for an upTOP load bar. If you are installing this product onto Rhino-Rack or Front Runner you will follow the same basic idea with the appropriate hardware you've sourced for your rack.

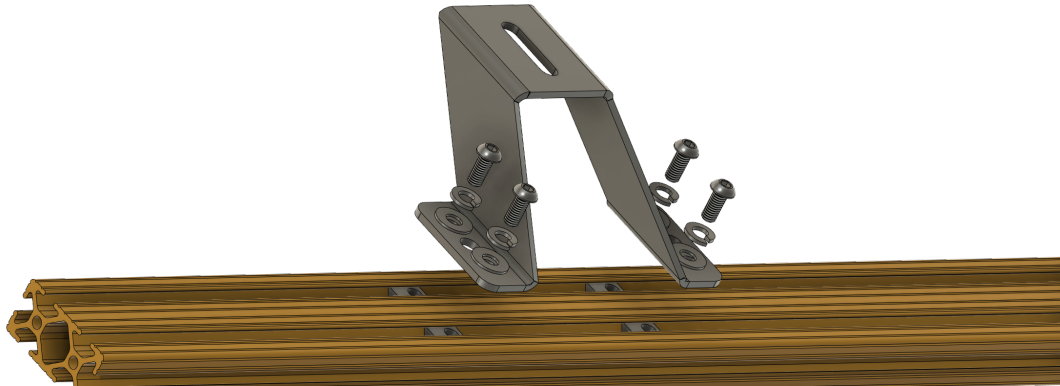


Figure 3
upTOP Load Bar Hardware
4039 Shown

The provided threaded inserts are designed to “roll” into position inside the track of your load bar without the need for disassembly. Drop four (4) threaded inserts in the general area that a riser is to be mounted.

Place the riser onto the load bar and align the hardware into each of the threaded inserts. Each connection point will receive the following:

- (4) M6x1.00 14mm Bolts
- (4) 6mm Lock Washers
- (4) 6x18mm Fender Washers

Start the hardware for each tent riser but **DO NOT** tighten. You will want to be able to slide them into position and verify your measurements prior to tightening.

Repeat the process for all of the risers in your kit. Remember that you want them as far apart as possible in respect to the front/rear of the tent.

The offset design of the risers allow you to flip them either direction for better spacing and to access the bolts that will secure your tent with tools. The risers can be faced in either direction. There is no wrong answer here. Simply place them in the orientation that will best allow you to gain access to the tent hardware once you've set it in place.

Double check your measurements to align the risers to the load bars to match the center to center measurements of your tent mounting rails. (Remember the number you solved for “D”.)

With the risers in position you can tighten the hardware for each tent riser.

For provided M6x1.00 hardware the final torque specification is **74 inch pounds**. M8 hardware is usually in the neighborhood of 115-135 but check with the supplier of your hardware and apply sufficient torque.

TENT INSTALLATION

It goes without saying here that roof top tents are **HEAVY**. They are also awkward and nearly impossible to lift into place while aligning to the slots in the tent risers.

YOU ARE STRONGLY ENCOURAGED TO COMPLETE THE NEXT STEP WITH A COMPANION.

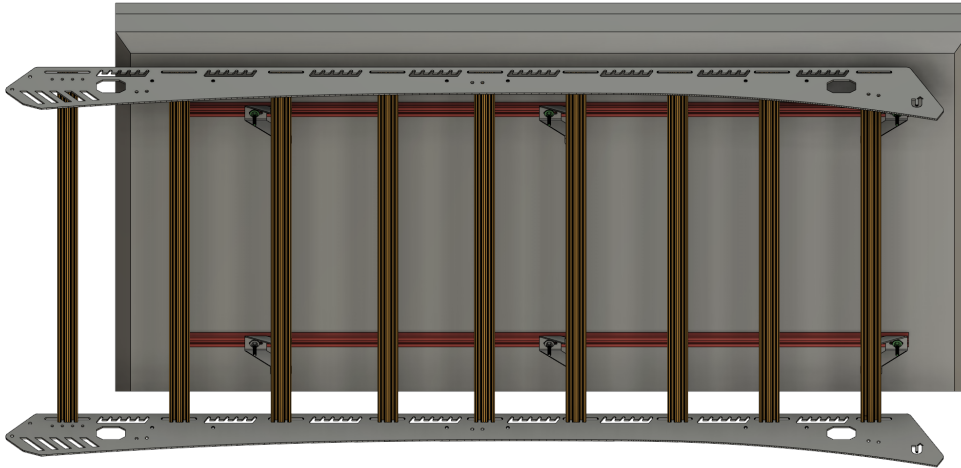


Figure 4
4039 Shown with typical clam shell tent

Consult the tent installation manual for hardware specifications. Most tents mount in similar fashion but there are a few “pioneers” out there that will provide you space age hardware that needs to be modified to work with the risers.

Each riser location will accommodate one (1) mounting bolt.

Slide your tent mounting hardware (NOT INCLUDED) into the mounting rails of your tent. Pretty Simple math here:

1 bolt for each riser location per side.

WITH THE HELP OF ANOTHER PERSON (OR TWO) CAREFULLY lift your tent onto the vehicle and **GENTLY** lower into position aligning the bolts in your tent track with the slots in the tent risers.

Once you are aligned **SOFTLY** sit the tent down into position.

Visually verify that your math was correct and that the tent is sitting **LEFT to RIGHT** (Driver to Passenger) centered on the vehicle. If it is you may proceed. If it is not take measurements of how far off you are, remove the tent, adjust and reinstall.

Once the tent is center on the vehicle you should be able to adjust the position (front to back) to place the tent in the area on your rack that you are comfortable with. We like to load them to the rear of the vehicle to help keep weight over the rear axle. It also helps with the aerodynamics of the tent. The further back it is the less you will “feel” it up**TOP** ;) when underway.

TENT HARDWARE

I could write a novel on tent mounting hardware variance. Something rather simple can and has been overcomplicated into a “sales feature” for some roof top tent manufacturers.

For the purposes of getting you out of your driveway and off to staring at the stars this guide covers the more common carriage bolt hardware.

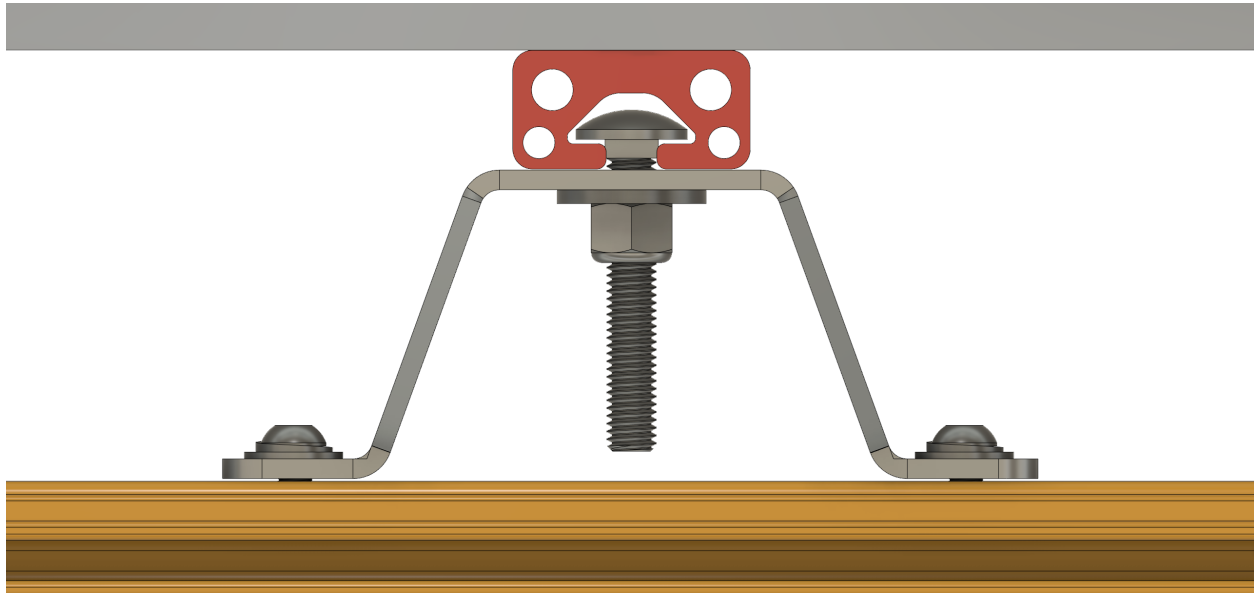


Figure 5
Carriage Bolt Hardware

With the tent in position access and install the hardware provided with your tent. IF your tent did NOT arrive to you with quality fender washers you are encouraged to source them. The fender washer helps distribute the weight of the tent to the riser under extreme off road conditions.

Refer to tent manufacturer torque specifications for hardware tightening.

TECH TIP

Applying some lubrication to the hardware for the tent will aide in installation. We use a bit of WD40 on the threads of the bolts to prevent seizing hardware. This will be particularly useful if your tent will be installed/removed multiple times throughout the seasons.

Verify all hardware is torqued to specification after the first 100 miles and then periodically thereafter. It is the responsibility of the end user to verify hardware is sufficiently set in place.

upTOP finePRINT

- **It is recommended to inspect the rack hardware at regular intervals to ensure fasteners are tight. If the rack ever needs to be removed and reinstalled you will need to repeat the silicone sealant steps before reinstallation of the rack to roof hardware.**
- **The powder coated finish on your rack uses a chemical compound to maintain UV stability for years to come. Wash the roof rack at regular intervals to keep the load bar channels, drip rails and mounting components free of dirt and debris. Foreign objects (mud) can dry and cause noise and vibration.**
- **If your color matched components are painted care for them in the same manner as you care for the exterior finish of your vehicle.**
- **Repair or replace worn parts with expediency. All hardware is available for purchase by calling our technical support line at 720.730.6381 Monday-Friday 8am to 4pm MDT or by email 24/7 364 (we don't answer email on Christmas-get over it) support@uptopverland.com**
- **It is the responsibility of the end user to ensure all electrical connections are secured and fused properly for the circuit load they are carrying.**
- **upTOP Roof Rack dynamic (moving) weight capacity can often exceed the OEM vehicle manufacturers specification. In all cases the OEM specifications supersede the upTOP dynamic rated load capacity.**
- **DO NOT use the upTOP product in a manner inconsistent with its design intention. This will void your warranty.**
- **DO NOT modify or alter structural components of upTOP roof rack assemblies. This will void your warranty.**
- **Excessive speeds over rough terrain can exceed dynamic weight loads causing structural fatigue or failure of aluminum and steel components. Use your best judgement and common sense before committing to full send with an overloaded rack product.**
- **Component damage or failure due to negligence will result in voided warranty claims. Any failed component must be returned to upTOP with a properly submitted RMA request. Any product received without authorized RMA request will be returned to sender at their expense.**
- **Leave. No. Trace. Our planet is fragile. Some parts of it have been undisturbed for generations. Stay on trails and designated routes. DO NOT LITTER. Pack it in Pack it out. Basically be a decent human and protect our culture, wild lands and ecosystems.**