Rough Country 99049 Installation Instructions

99049

Part number: 99049

trailfortress.com/rough-country-roof-top-tent-99049

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

ROUGH COUNTRY ROOFTOP TENT

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

IMPORTANT INFORMATION: PLEASE READ BEFORE BEGINNING INSTALLTION

The Rough Country Tent will mount to factory or after market roof rack configurations. Utilizing the adjustable mounting rail hardware capturing all applications and other mounts other than the intended track mount could be needed depending on type of mounting desired and are not included.
Check manufacturer rack capacities before installing. Rough Country is not responsible for damage as a result of mounting to factory rack that are not rated for the load intended when tent is installed.
It is recommended to erect tent in calm conditions. Mild to high winds can hinder deployment of the tent. Always use caution when deploying tent in any conditions. Not for use when in motion. Always take into consideration the added height of the tent on top of the vehicle concerning any low hanging obstacles and the added weight of the tent. It is important to check local and state laws regarding roof mounted load capacities. The Rough Country Tent weight is approx. 140 lbs. Always use caution near any open flame or heat source and do NOT use any open flames in side the tent.
Full install the protective cover before operating the vehicle.

The tent can be mounted either as a side deployment or rear deployment. Most applications will be a side setup as shown.

Ladder Extension Part # 99051 is available from Rough Country if needed for lifted applications. Generally this extension is needed for vehicles with 35” tires and above.



Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

OUTLANDER ROOFTOP TENT MOUNTING OPTIONS:

MOUNTING DIRECTION

OFF THE BACK

- Determine the direction the tent will open before installation.
- Mounting off of the back will be best for multi door vehicles.
- The mounting of the tent opening to the rear of the vehicle is optimal for weather protection.
- Provides clearance for luggage and roof rack mounting points.
- Full Opening of the Rear tail gate and use of the tail gate table and more Rough Country accessories can be accessed from this position.

OFF THE SIDE

- For two door and shorter wheel base vehicles, the tent will be centered better on the top of the vehicle.
- The mounting of the tent opening to the side will have better wind resistance. Generally Jeep Vehicles will be a side mount install.
- Full Opening of the Rear tail gate and use of the tail gate table and more Rough Country accessories can be accessed from this position.

PROPER DEPLOYING OF THE TENT

- Fully extend the ladder, excessive force will damage the tent floor.
- Use the ladder as leverage to open the ten, pushing down while pulling straight back.
- Carefully guide the ladder to the ground.
- Install ladder extension if needed at this time. Generally 25-30 degrees is needed for safe (Part # 99051 ladder extension is available for lifted vehicles with 35” tires and above
- Install the window flap rods.
- Part # 99050 includes added feature of sunroof panel. This feature will be used when the tent rain fly is removed. Rain fly is to be used for wet conditions.

KIT CONTENTS:
Storage Cover x1
Rough Country Tent x1
Rain Fly Cover x1
Mounting Rails x2
Mounting Rail End Caps x4
Rail Mount Sliders x8
Lower Straps x4
Collapsible Ladder x1
Window Prop Rods x8

Accessory Pack
12 Volt Vehicle Adaptor x1
12 Volt Extension Wire x1
12 Volt USB Port x1
LED Light Strip x1
Shoe Storage Bag x1

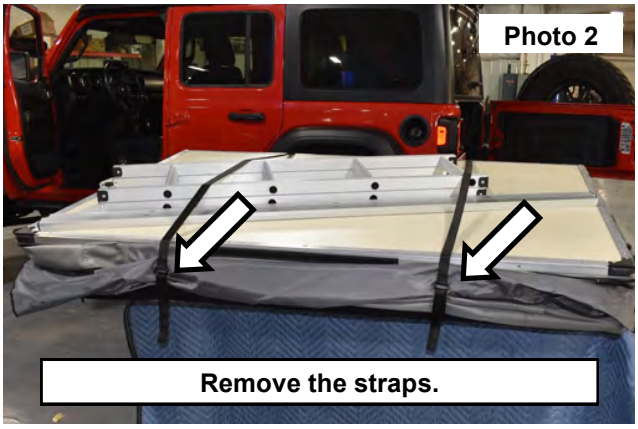
TOOLS NEEDED:
10mm Wrench or Socket
13mm Wrench or Socket
Thread locker

HARDWARE INCLUDED:
8mm x 55mm Bolts x8
8mm Nuts x8
6mm x 40 Hex Head Bolts x10
6mm x 20 Hex Head Bolts x2
6mm Nylock Nuts x10
6mm Flat Washer x22
Spring Washer x2
Plastic Washer x2

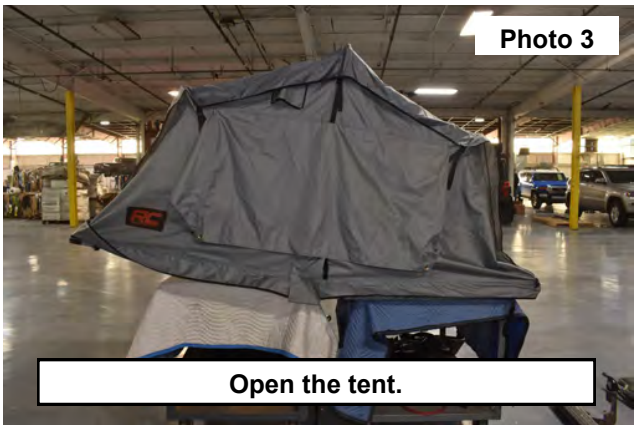
INSTALLATION INSTRUCTONS

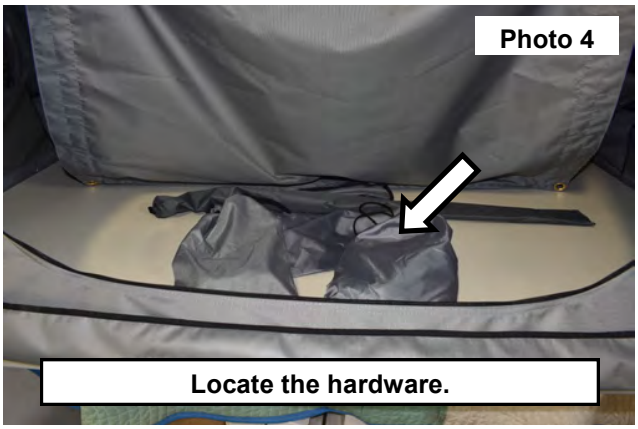
1. Place the tent onto a large flat table. Remove the packaging and then remove the cover from the tent. **See Photo 1.**
2. Remove the (6) straps from the tent and place the ladder and the mounting rails to the side. **See Photo 2.**



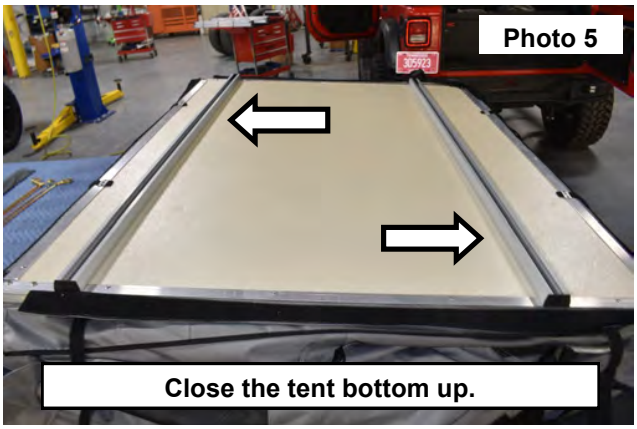


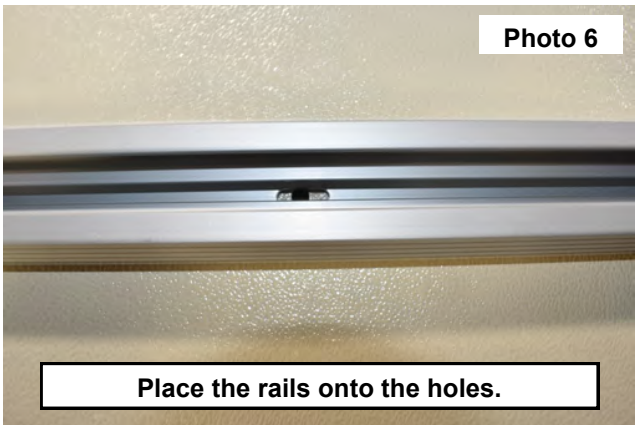
3. Using caution, open the tent and locate the supplied bag of hardware and remove from the tent. **See Photos 3 and 4.**



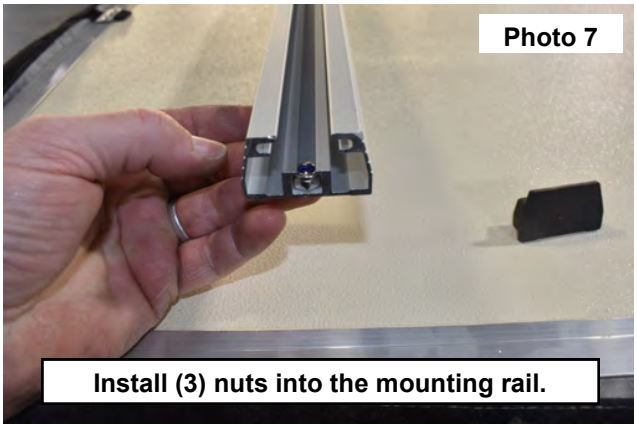


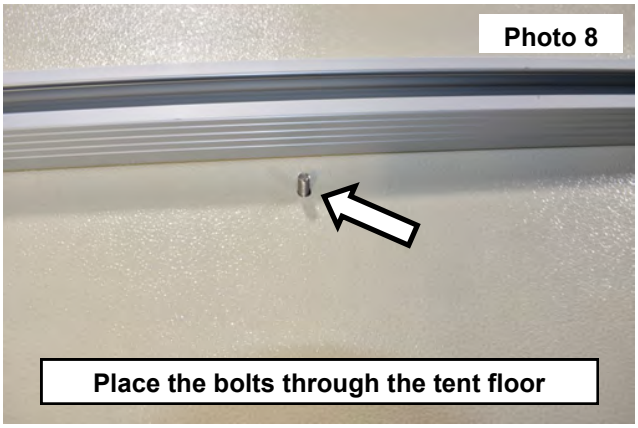
4. Using care, close the tent bottom side up exposing the mounting holes. **See Photo 5.**
5. Place the mounting rails over the (3) holes in each rail. **See Photo 6.**



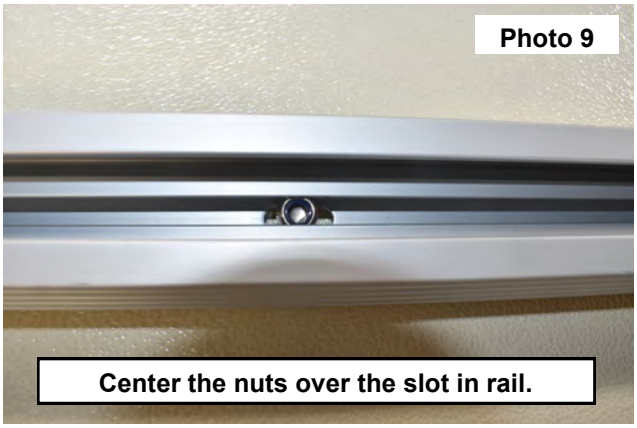


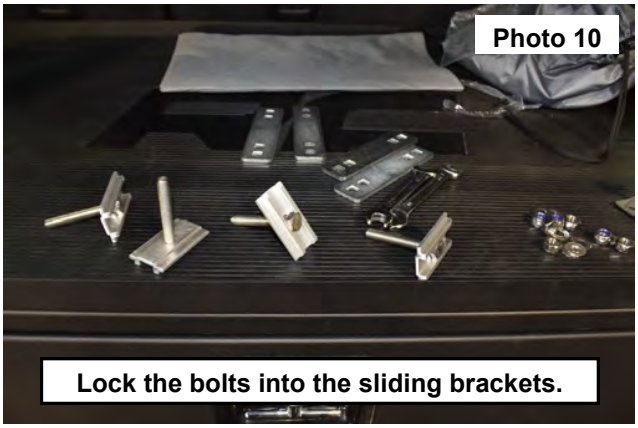
6. Locate the (4) mounting rail end caps and (6) 6mm Nylock nuts.
7. Install (3) of the 6mm nuts into (1) of the mounting rails. **See Photo 7.**
8. Place (3) of the 6mm bolts and 6mm washers through the bottom of the tent floor leaving the threads exposed to the out side of the tent. **See Photo 8.**



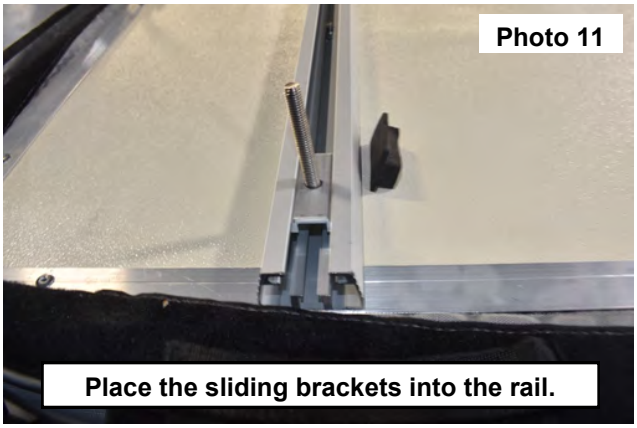


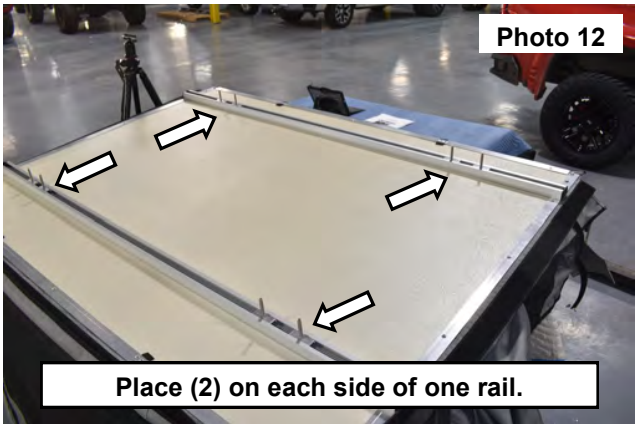
9. Secure the rail, aligning the nuts into the slot and threading the (3) bolts into the (3) nuts. Tighten using a 10mm socket. **See Photo 9.**
10. Install the second mounting rail using the supplied (3) 6mm bolts (3) 6mm washers and (3) 6mm nuts.
11. Place the 8mm x 55mm bolts into the sliding brackets. **See Photo 10.**





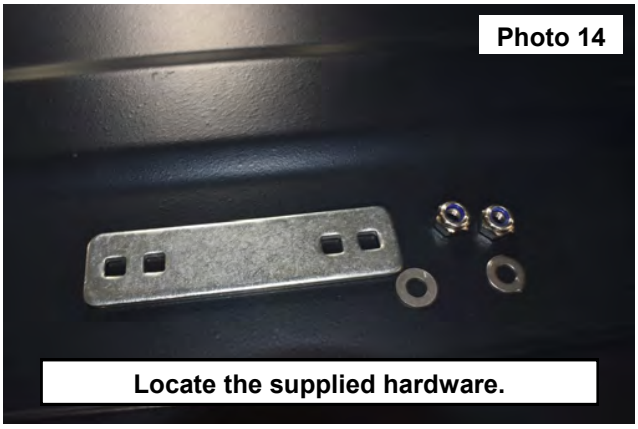
12. Install (4) of the sliding brackets and bolts into the mounting rail. Place (2) on each side and secure the end cap onto the mounting rail. **See Photos 11 and 12.**
13. The next steps may vary depending on mounting preference or additional hardware used to mount the assembly to your vehicle. Mounting is shown on the Rough Country roof rack kit.
14. Measure the roof rack mounting area. Then set the tent sliding mounts to accommodate this area.



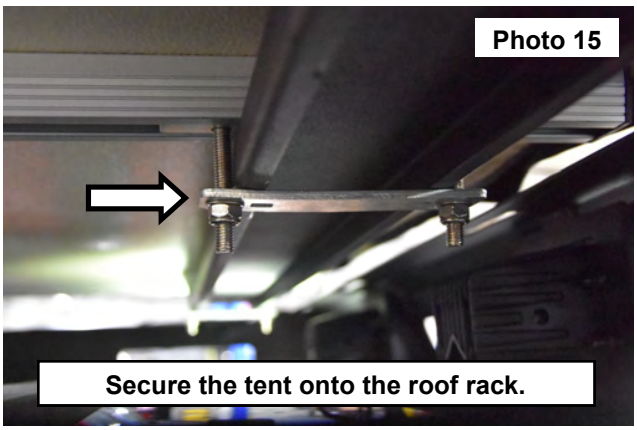


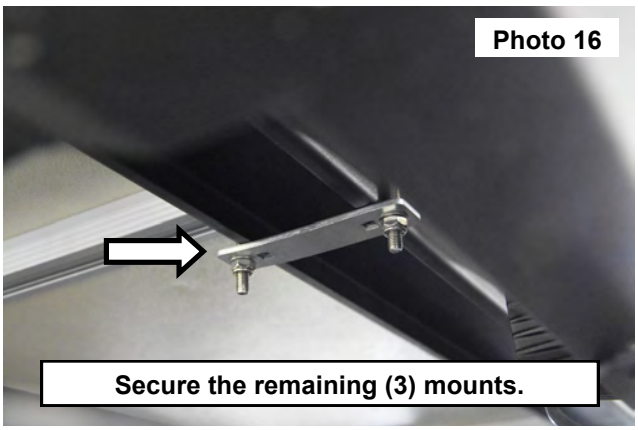
15. Connect the straps and with assistance, place the tent on top of the roof rack. **See Photo 13.**
16. Locate (1) of the supplied lower plate (2) 8mm flat washers and (2) 8mm nylock nuts. **See Photo 14.**



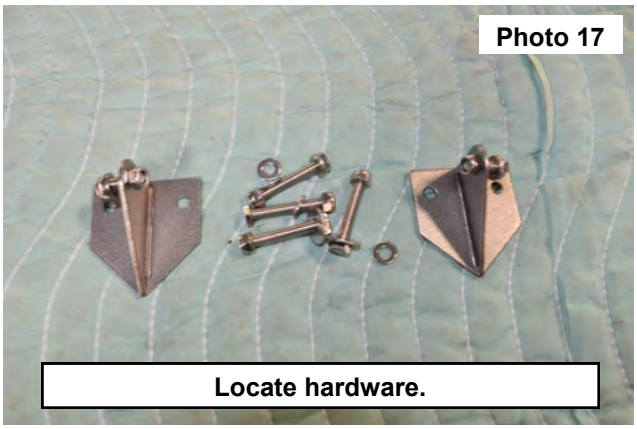


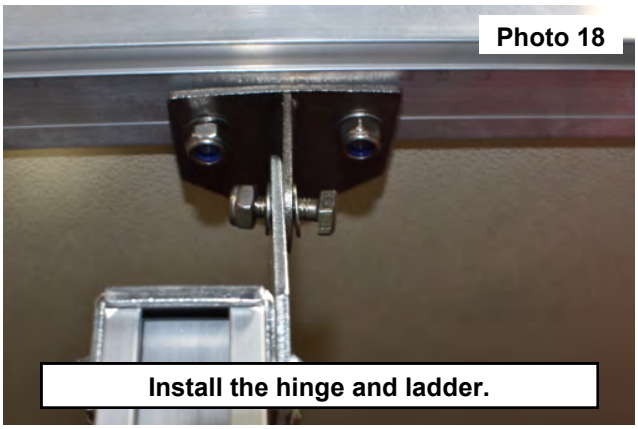
17. Place the sliding brackets and bolts snug to the outside of the roof rack mounting point. Then install the lower plate onto the bolts and secure using (2) of the supplied 8mm flat washers and (2) 8mm nylock nuts. Use a 12mm wrench or socket to tighten the hardware. **See Photo 15.**
18. Repeat step 16 for the remaining (3) roof rack mounts. **See Photo 16.**



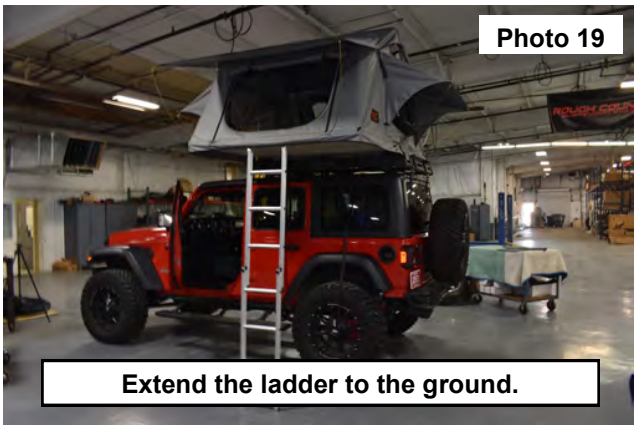


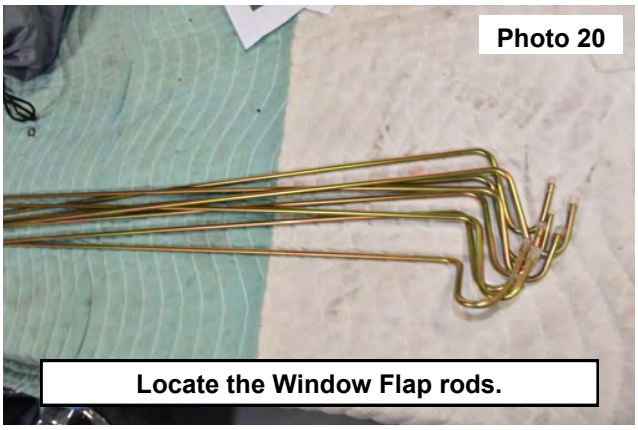
19. Remove the straps and open the tent.
20. Locate the ladder hinge and ladder hardware. Thread locker is highly recommended when installing. **See Photo 17.**
21. Install the (2) 6mm bolts and (2) 6mm flat washers into the outer holes of the tent then place the ladder hinge onto the bolts. Secure the hinge using (2) of the 6mm flat washers and (2) 6mm nylock nuts. **See Photo 18.**
22. Place the ladder onto the hinge using (2) 6mm hex head bolts, (4) 6mm flat washers and (2) 6mm nylock nuts (2) plastic nuts on each side of the ladder hinge. Tighten using a 10mm socket and wrench.



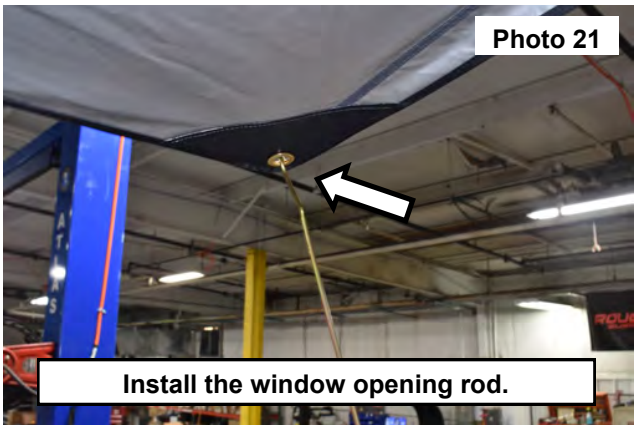


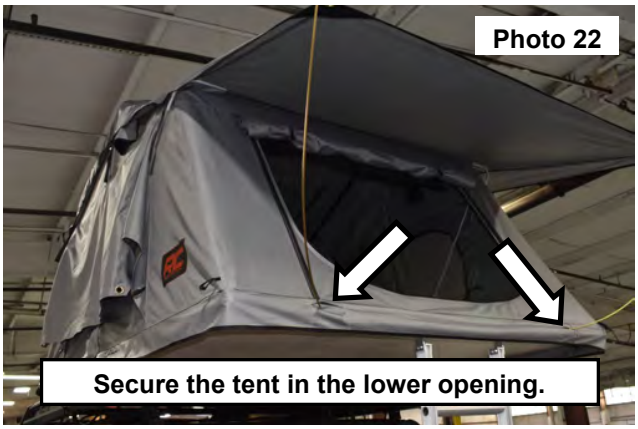
23. Fully extend the ladder to the ground supporting the bottom of the tent making sure that the spring loaded knob/pins are fully engaged in the ladder rail **See Photo 19. NOTE:** Rough Country offers a ladder extension for lifted vehicles **Part # 99051**. It is important that the ladder have an angle up to the tent to have a safe accent and decent from the tent. If not, then the 12" ladder extension is required. 25-30 Degree ladder angle is recommended.
24. Locate the supplied rods. **See Photo 20.**





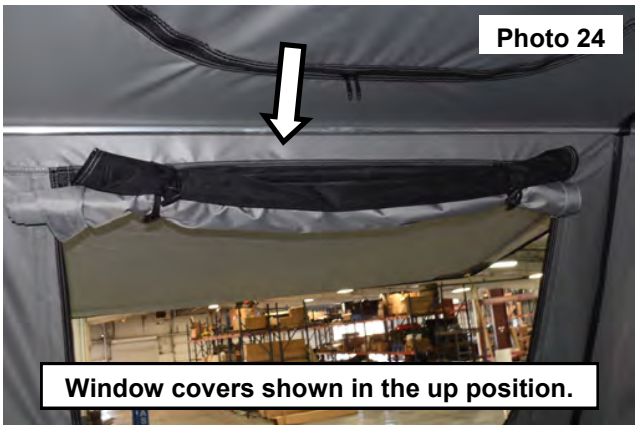
25. Insert the rods in the holes of the tent window opening. Then insert the rod into the holes located in the slot of the tent cover in the frame under the window openings. Please note that these hole are drilled at an angle, Please ensure that the prop rods are positioned correctly. **See Photos 21 and 22.**



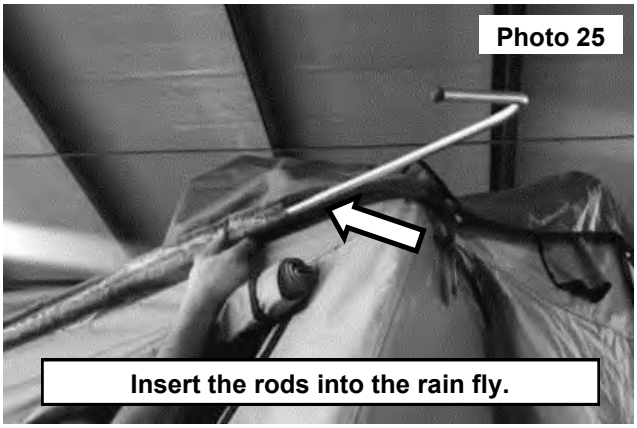


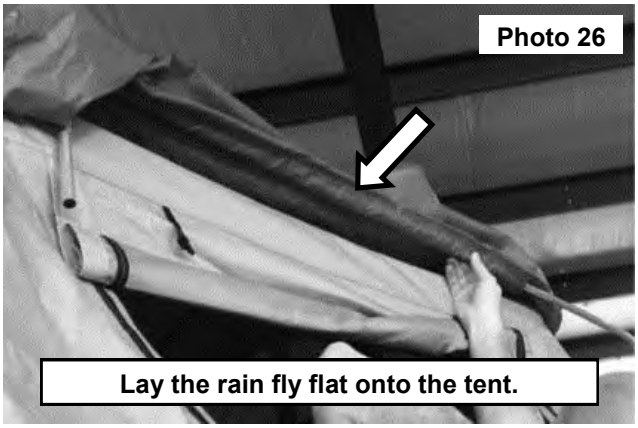
26. Place the rods in the remaining desired window openings. **See Photo 23.**
27. Once inside the tent secure the window openings can the rolled and secured in the up position. Using the supplied straps. **See Photo 24.**



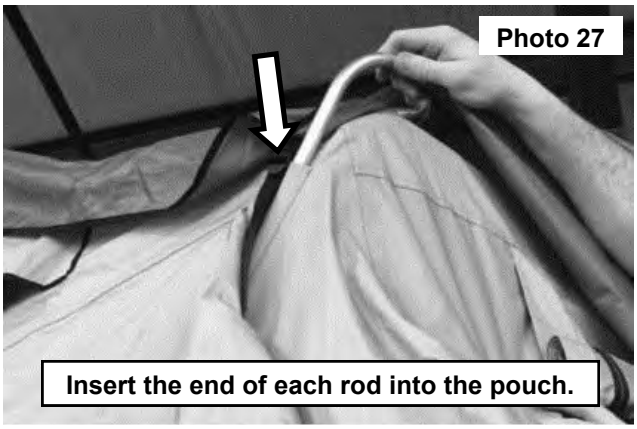


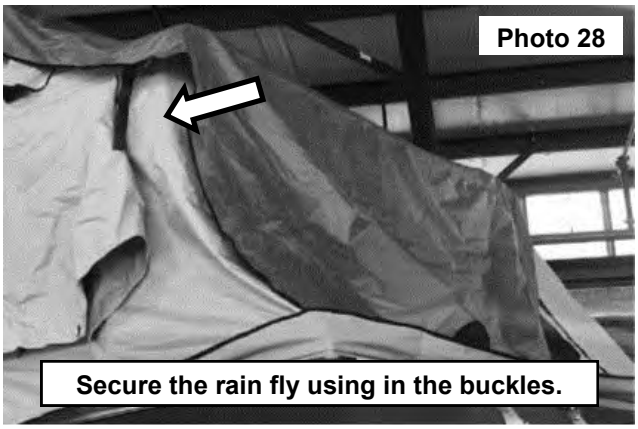
28. Locate the rain flap and the (2) rain flap rods and install them into the outer sleeve of the bottom of the rain flap on each side. **See Photo 25.**
29. Place the rain fly flat on the tent. See Photo 26.





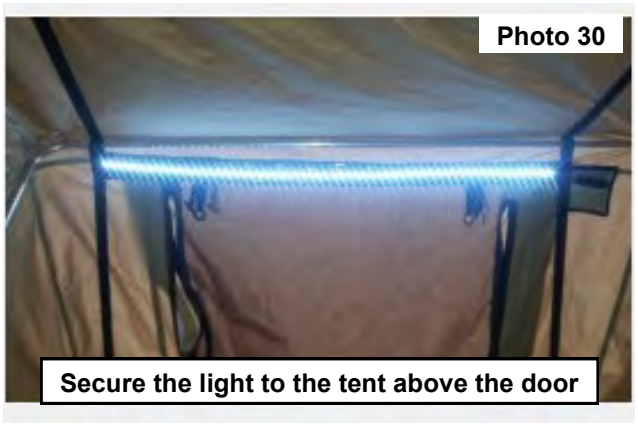
30. Insert the end of each rod into the pouch in the upper corner of the tent. **See Photo 27.**
31. Secure the rain fly using in the buckles on each side of the tent. **See Photo 28.**





32. Locate the 12 volt accessory items and install into vehicle. **See Photo 29.**
33. Secure the LED light strip to the top center bar on the hook and loop portion of the tent. **See Photo 30.**







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