# Rough Country 99057 Installation Instructions

99057

Part number: 99057

trailfortress.com/rough-country-hard-shell-roof-top-tent-99057

Scan for fitment, price and install help

929905700

ROUGH COUNTRY
SUSPENSION SYSTEMS®

# Rough Country Hard Shell 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 Hard Shell 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. 160 lbs. Always use caution near any open flame or heat source and do NOT use any open flames in side the tent.
Always ensure the hard shell cover is properly secured before operating the vehicle.



**KIT CONTENTS:**
**Hard Shell Tent w/**
**Window Prop Rods x6**
**Shoe Storage Bag**

**TOOLS NEEDED:**
**1/2” Wrench or Socket**

**HARDWARE INCLUDED:**
**Bolt Plates x8**
**Bolts x8**
**Nuts x8**
**Flat Washers x8**

**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 |

# Installation Tips

Installation Orientation:

- Install the hard shell integrated storage area toward the rear of the vehicle. The tent is tapered in the front to allow less restriction of air flow over the top of the tent shell.
- The tent top will open toward the drivers side of the vehicle and the ladder will be deployed on the passenger side.

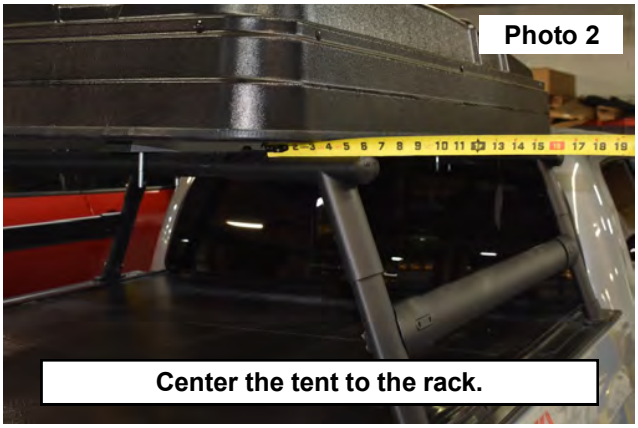
Deployment of the Tent:

- A step stool does ease deployment but is not required.
- Fully extend the lower sections of the ladder, excessive force will damage the tent floor.
- Use the ladder as leverage to open the tent, pushing down while pulling straight back.
- Carefully guide the ladder to the ground, allowing the lower sections of the ladder to extend and the upper last sections to be compressed until the proper angle is determined. Fine tuning is accomplished using the upper last sections of ladder.
- Generally 25-30 degrees max on the ladder is optimum to ensure safety and no damage to the ladder occurs.

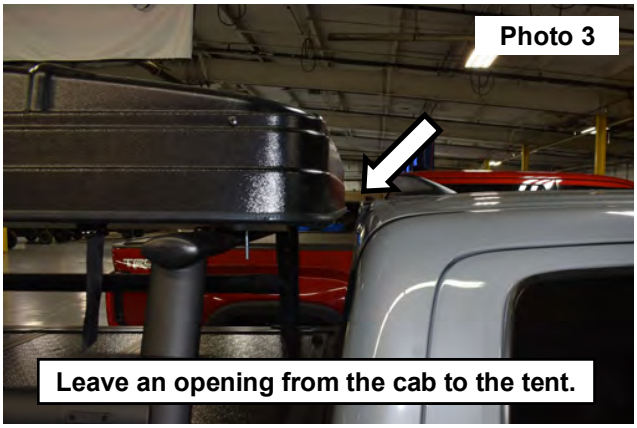
## INSTALLATION INSTRUCTONS

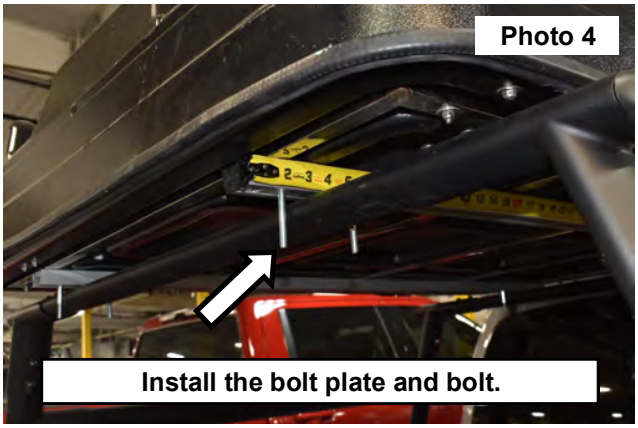
1. The tent allows mounting to several types of rack systems utilizing the adjustable sliding channel on the tent base. Determine the best option and install the hardware into the channels on the base of the tent to prepare to mount.
2. (Tent shown on bed rack system). Install the sloped portion of the hard shell roof top tent to the front of the vehicle, with the opening to the passengers side.
3. With assistance and using care, install the hard shell tent onto the rack. **See Photo 1.**
4. Center the front and back of the tent onto the rack using a tape measure. **See Photo 2.**



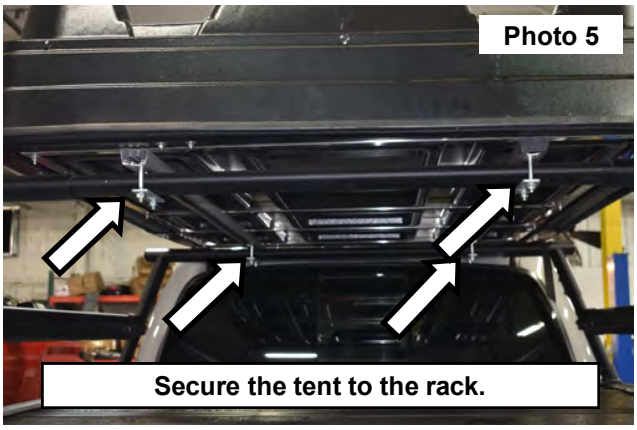



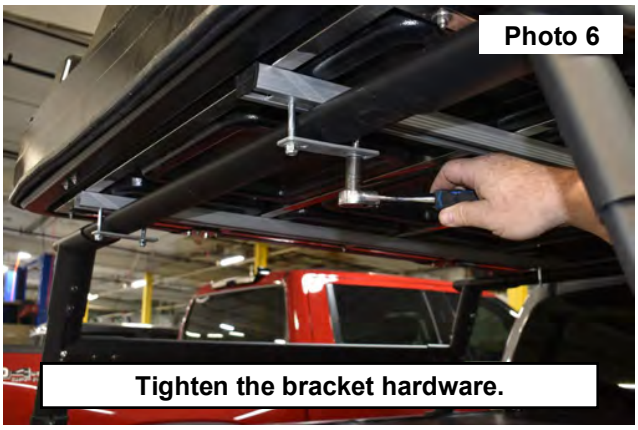

5. If applicable, check clearance between the cab and the tent shell. **See Photo 3.**
6. Install the supplied bolt plate and bolts on each side of the rack support. **See Photo 4.**




7. Secure the tent to the rack using (4) of the supplied brackets under the rack support. Then place (1) per bolt, Nylock nut and (1) flat washer to secure the brackets. **See Photo 5.**
8. Tighten each side of the bracket to the roof support until the bracket is even on each side using a 1/2” socket. Do not over tighten the bracket. **See Photo 6.**



9. Release the (2) buckles from the bottom of the tent. **See Photos 7 and 8.**







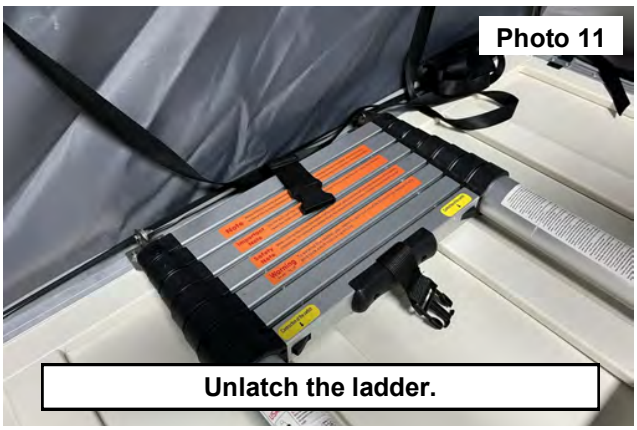
10. Open the tent enough to locate the strap from the lid of the tent. **See Photo 9.**
11. Push the tent up and use the straps to easily fully extend the lid as shown in **Photo 10.**

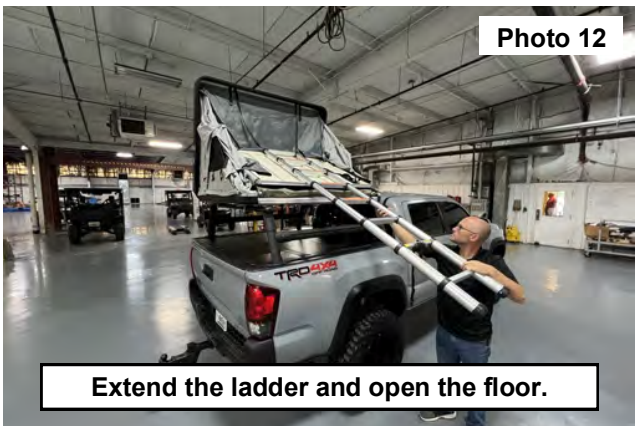






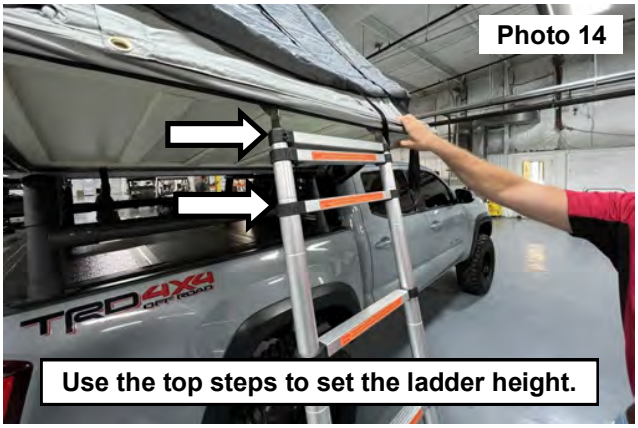
12. Unlatch the ladder inside of the tent. **See Photo 11.**
13. Extend the ladder, locking the lower steps into place first. Then pull the tent floor over flat into place. **See Photo 12.**



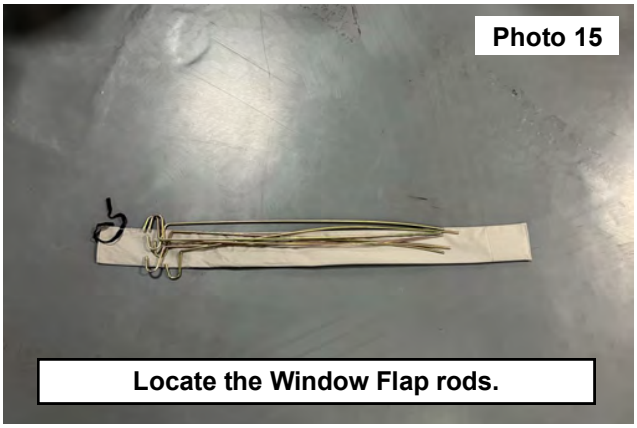



14. Fully extend the ladder to the ground supporting the bottom of the tent making sure that the spring loaded knob/pins are fully engaged in the ladder rail **See Photo 13.**
15. It is important that the ladder have an angle up to the tent to have a safe accent and decent from the tent. Maximum 25-30 Degree ladder angle is recommended to avoid damage to the ladder.
16. Extend the lower rungs of the ladder and use the top steps of the ladder to set the height of the ladder to the ground. **See Photo 14.** (***NOTE:*** The tent fabric is extremely tight which will pull up the extended portion of the tent but will slightly relax with use and will lay flat when the tent is occupied.)



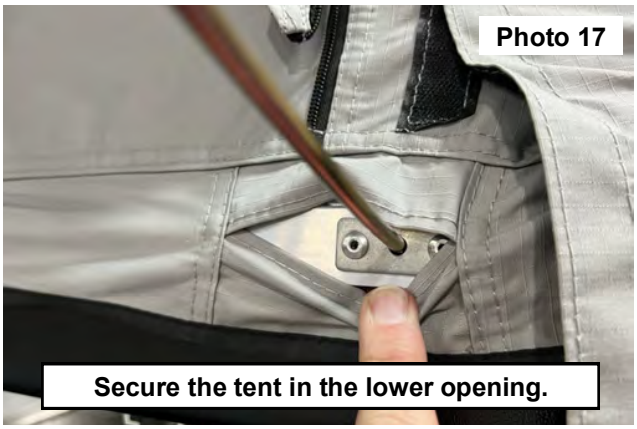

17. Locate the supplied rods. **See Photo 15.**
18. Insert the rods in the holes of the tent window opening. Then insert the rod into the holes located in the slot of the tent cover in the frame under the window openings. Please note that the main entrance holes are drilled at an angle and the side windows are straight drilled. Please ensure that the prop rods are fully engaged in the hole. **See Photos 16 and 17.**







19. Place the rods for the window openings. **See Photo 18.**






20. Place the rods in the window openings. **See Photo 19.**
21. Secure the rain fly using the buckles on the base and the straps on the cover on each side of the tent. **See Photo 20.**







22. The tent window openings can the rolled and secured in the up position if desired using the supplied straps. **See Photo 21.**
23. Side window rain flaps can also be secured in the closed position using the eyelets and toggle buttons in the lower corners. **See Photo 22.**







24. If desired, secure the rain flap to the tent by placing the toggle button through the eyelet in the rain flap on each side. **See Photo 23.**
25. Light weight storage area shown in the rear of the roof of the tent. **See Photo 24.**







26. To close the tent reverse the steps from 8-21. Use the strap to pull the top closed and be sure to tuck any material that is protruding back inside the cover. Secure using the (2) buckles.


TRD 4X4

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