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VULCAN TH047-PS-K4

VULCAN PROSeries Car Tie Down with Snap Hook - Adjustable Loop - Instruction Manual

Model: TH047-PS-K4

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1. PRODUCT OVERVIEW

The VULCAN PROSeries Car Tie Down system is designed for securely transporting vehicles on flatbeds or trailers. This 4-pack includes adjustable loop straps with snap hooks, engineered to provide a safe working load of 3,300 pounds per strap. The system allows the vehicle to ride on its own suspension, minimizing shock transfer during transit. These tie-downs meet or exceed all CVSA and DOT specifications and comply with NACM recommendations for roadside inspection compliance.



Image: Four VULCAN PROSeries car tie-downs, each with an orange strap, adjustable loop, and snap hook, shown securing vehicle tires.

2. SETUP INSTRUCTIONS

Before initial use, inspect all components for any signs of damage or wear. Ensure the webbing, ratchet mechanism, snap hooks, and rubber tire cleats are in good condition.

2.1 Component Identification

- **PROSeries Webbing:** Thick, durable, cut and UV resistant strap material with retro-reflective fibers.
- **Adjustable Basket-Style Harness:** The loop section designed to fit snugly around the tire.
- **Pocketed Cross Strap:** Allows for precise adjustment of the harness to various tire sizes.
- **4-Way Rubber Tire Cleat:** Provides grip and protection for the tire.
- **Ratchet Buckle:** Mechanism for tensioning the strap.
- **Plated Snap Hook:** Connects to anchor points on the trailer.



Image: A hand holding the black rubber 4-way tire cleat, which helps secure the strap to the tire.

2.2 Preparing the Harness

1. Position the vehicle on the trailer as desired.
2. Take one tie-down strap. The basket-style harness is designed to fit over the tire.
3. Adjust the pocketed cross strap to ensure the harness fits snugly around the tire without being too loose or too tight. The goal is to cradle the tire securely.
4. Ensure the rubber tire cleat is positioned correctly to protect the tire and prevent slippage.

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Image: A VULCAN PROSeries tie-down strap with its adjustable loop correctly placed around a vehicle tire, demonstrating proper harness fit.

3. OPERATING INSTRUCTIONS

Follow these steps to properly secure your vehicle for transport:

1. **Place Harness:** Carefully place the adjusted basket-style harness over the top of the vehicle tire. Ensure it sits evenly and securely around the tire's circumference.
2. **Connect Snap Hook:** Take the end of the strap with the plated snap hook and connect it to a suitable anchor point on your trailer, such as a D-ring, side rail, or stake pocket. Ensure the connection is secure and the hook is fully closed.
3. **Thread Ratchet:** Feed the loose end of the strap through the ratchet buckle. Pull out any slack by hand.
4. **Tension Strap:** Operate the ratchet handle to gradually tighten the strap. Apply tension until the strap is taut and the vehicle tire is firmly secured to the trailer. Avoid overtightening, which can damage the strap or the vehicle.
5. **Secure Ratchet:** Once sufficient tension is achieved, lock the ratchet handle in the closed position.
6. **Repeat for All Tires:** Repeat this process for all four vehicle tires to ensure balanced and secure

transport.

7. **Final Check:** Before moving the vehicle, double-check all tie-downs for proper tension and secure connections. Re-check after the first few miles of travel and periodically during long trips.

Your browser does not support the video tag.

Video: This video demonstrates the proper method for securing a vehicle using VULCAN Car Tie Downs with Snap Hooks and Adjustable Loops.

4. MAINTENANCE

Proper maintenance extends the life of your VULCAN PROSeries tie-downs and ensures continued safe operation.

4.1 Inspection

- Regularly inspect the webbing for cuts, abrasions, fraying, or chemical damage. The PROSeries webbing is designed to be cut and UV resistant, but damage can still occur.
- Check the ratchet mechanism for smooth operation. Ensure there is no rust, bending, or excessive wear on moving parts.
- Examine snap hooks for deformation, cracks, or signs of fatigue. Ensure the spring-loaded gate operates correctly.
- Inspect rubber tire cleats for tears or significant wear.
- If any component shows significant damage, replace the entire tie-down strap. Do not attempt to repair damaged straps.

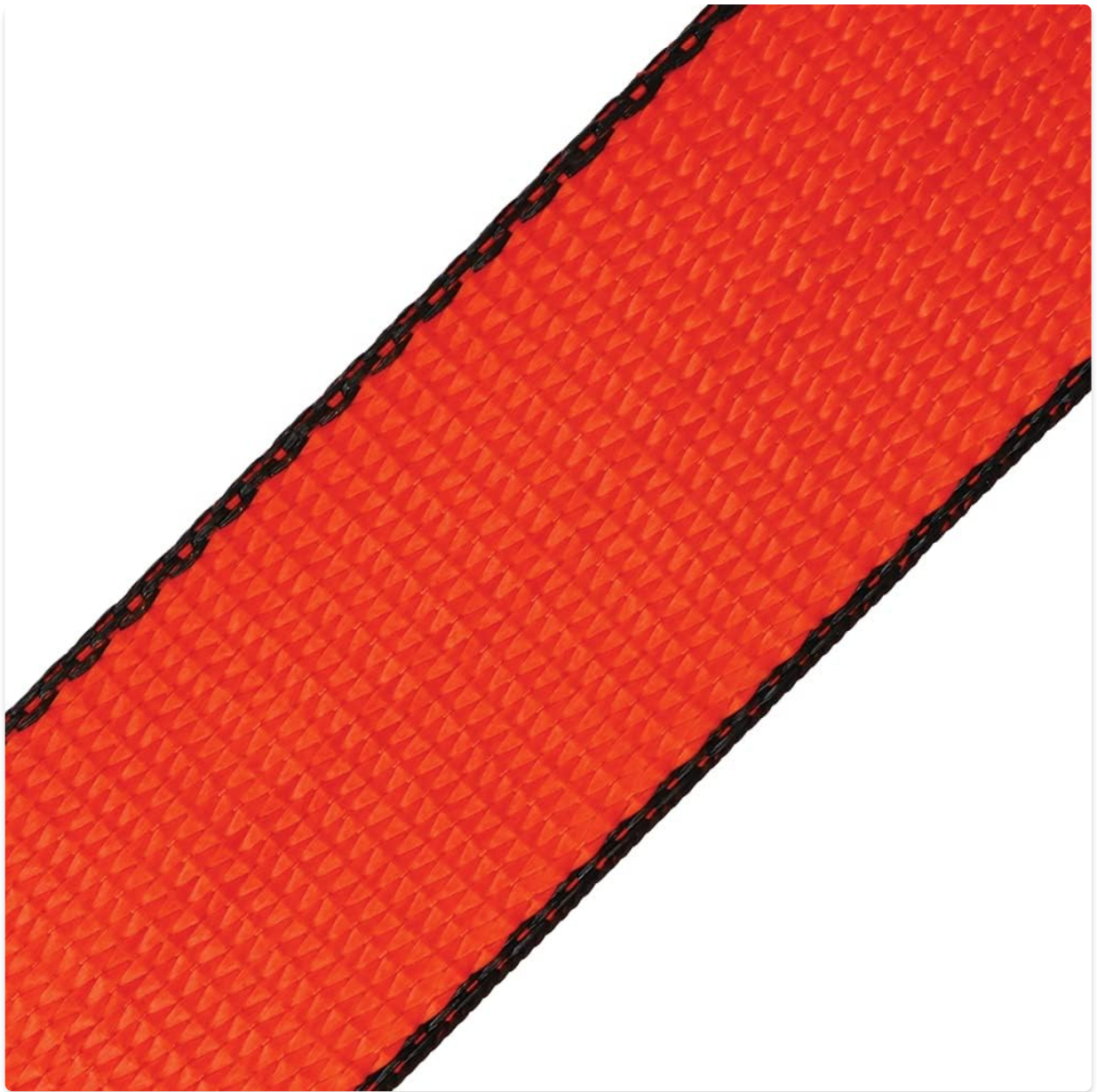


Image: Close-up of the VULCAN PROSeries webbing, showing its robust construction and texture.

4.2 Cleaning and Storage

- Clean straps with mild soap and water. Allow them to air dry completely before storage.
- Store tie-downs in a dry, cool place, away from direct sunlight and harsh chemicals, to prevent degradation.
- Keep straps neatly rolled or folded to prevent tangling and damage.

5. TROUBLESHOOTING

If you encounter issues with your VULCAN PROSeries Car Tie Downs, consider the following:

5.1 Strap Not Holding Tension

- **Improper Threading:** Ensure the strap is correctly threaded through the ratchet buckle. Refer to the operating instructions.
- **Damaged Ratchet:** Inspect the ratchet mechanism for any signs of damage, rust, or worn gears that might prevent it from locking properly.

- **Worn Webbing:** Severely worn or stretched webbing may not hold tension effectively. Replace the strap if this is the case.

5.2 Harness Does Not Fit Tire Properly

- **Incorrect Adjustment:** The pocketed cross strap is designed for adjustment. Ensure it is properly positioned and tightened to cradle the tire snugly.
- **Tire Size Compatibility:** While designed for a wide range of vehicles (car, SUV, light truck), extremely large or small tires may require specific adjustments or different tie-down types.

6. SPECIFICATIONS

Feature	Detail
Model Number	TH047-PS-K4
Safe Working Load (SWL)	3,300 lbs (1,497 kgs) per strap
Material (Webbing)	PROSeries (Cut and UV Resistant)
Material (Hardware)	Stainless Steel
Fastener Type	Snap Hook
Number of Pieces	4
Compatible Vehicle Types	Passenger Car, SUV, Truck, Van
Color	Orange, Black
UPC	702302961637



Image: Product label detailing the item number and working load limit of the VULCAN PROSeries tie-down.

7. WARRANTY & SUPPORT

Manufacturer warranty information for the VULCAN PROSeries Car Tie Down is not explicitly available in the product details.

For any questions, concerns, or support regarding your VULCAN PROSeries Car Tie Downs, please contact the manufacturer directly. You can often find contact information on the product packaging or through the official VULCAN brand website.

You may also visit the official VULCAN Store for additional product information and support resources: [VULCAN Store on Amazon](#)

