

PENGUIN FEET® ROOF CARRIER

Model # 1000SF

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PARTS LIST	
Qty	Part Name
2	Penguin Feet

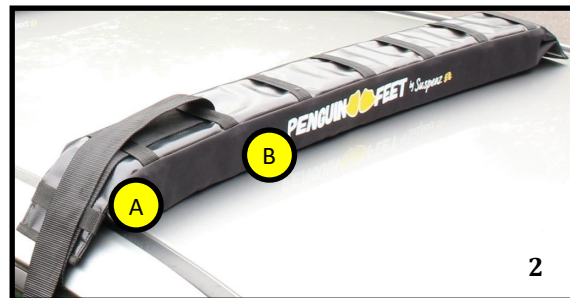
Supports up to 80 lbs.

With the Suspenz integrated strap, securing the roof carrier to the vehicle and securing the watercraft to the *Penguin Feet* roof carrier is performed at the same time.

Install *Penguin Feet* on Vehicle and Load Watercraft

STEP 1: Position and Prepare the Penguin Feet


- Place *Penguin Feet* on top of vehicle then open/close door so the buckle end of the strap hangs down about 1 foot on inside of vehicle (Fig. 1).
- The strap must pass through the first 2 hold down loops on the *Penguin Feet* (Fig. 2). **A**
- The strap can then pass through any additional hold down loops to best fit the watercraft (Fig 2.) **B**



Rev. 7.22

SAFETY INFORMATION

Suspenz® is very serious about safety. It is critical that you properly secure this rack to your vehicle. Failure to do so could result in serious bodily injury or property damage. Before assembly read the complete manual. Be sure that you have all the parts and that they are not damaged in any way. Do not modify the rack or the mounting hardware in any manner. Check to make sure that both the rack and watercraft are secure before driving. Periodically inspect the rack and all parts for signs of wear or damage.

 This symbol in the instructions indicates an important warning. Please heed these warnings.

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The Penguin Feet Carriers must be spaced a minimum of 24" apart.



Do not place the Penguin Feet over the glass part of a sunroof.

STEP 2: Load watercraft on to the *Penguin Feet*

- Place watercraft on the Penguin Feet centered front-to-back on the *Penguin Feet*. Align the edge of the watercraft with the selected hold down loop (Fig. 2). **B**
- For carrying one or two SUP's (Fig. 3):
 - Place the widest SUP on the bottom
 - Load SUP's upside down with the stern of the top SUP facing forward. The top SUP should extend slightly forward of the bottom SUP (*this allows the use of a mandatory front tie down line*).
- Kayaks or Canoes should be loaded bottom side up.

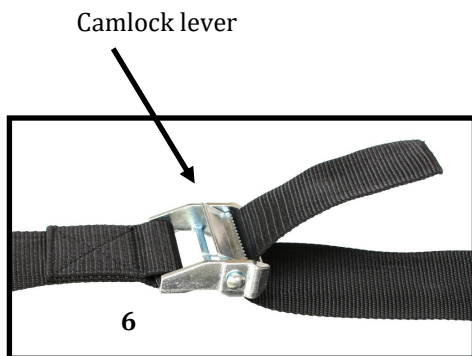


STEP 3: Secure the watercraft and the *Penguin Feet* to the Vehicle

- Toss the end of the strap over the watercraft then thread it through all available hold down loops starting just under the edge of the watercraft. It is important to pass through at least the last two hold down loops. (Fig. 4).
- Pass the strap through the open car door, then thread it through the Camlock Buckle, and pull tight to both secure the Penguin Feet to the vehicle and to secure the watercraft to the *Penguin Feet*. (Fig. 5)

Pro Tip: Putting a couple twists in the strap can reduce noise due to strap hum





Use of the Cam Buckle (Fig. 6):

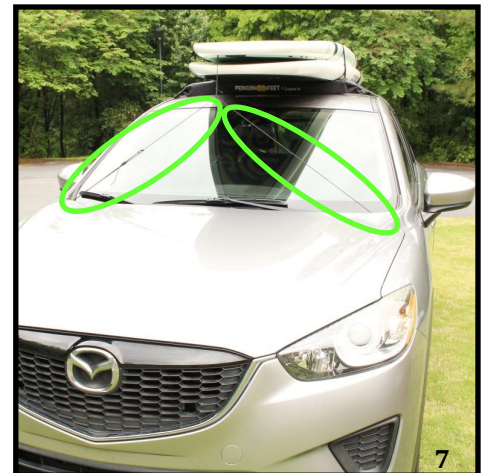
- Thread the strap from the **underside** of the Camlock Buckle
- Depress Camlock lever to thread the strap
- Pull strap end to tighten



If the strap is threaded through the Camlock Buckle the wrong way, the buckle will not grip the strap and the system will not secure itself to the vehicle.

STEP 4: Attach a Front Tiedown (not supplied) - (Fig. 7)

- For SUPs, it is **mandatory** to connect to the leash strap connection point on the top SUP.
- Use of 3mm paracord (available and most watersports retailers) is recommended for a front tiedown.
- Fig. 7 shows the paracord tied to the metal hood hinges under the hood.



*The front tie down is **critical to safe transport**. Watercraft and especially SUP's can lift off the vehicle due to wind created by vehicle speed.*



Use caution when tightening the front tiedown as over-tightening can deform the watercraft.



Do not exceed the vehicle manufactures rated loading for the roof of the vehicle as shown in the owners manual.

STEP 5: Remove the Penguin Feet from vehicle when not in use

- Note that during a rain storm water can wick along the strap and drip inside the vehicle.



Always remove the Penguin Feet before going through a carwash.

These instructions cover the installation and use of Suspenz Roof Carriers. It is important to read & understand the requirements and limitations of the roof rack on the vehicle and the operating instructions for the vehicle.

Installation, maintenance and use must comply with product and vehicle instructions. It is important to securely mount these Roof Carriers and to adequately secure the load to the Vehicle. Failure to do so can result in the Roof Carriers and/or load coming loose during travel causing a serious accident.

Modification of the Suspenz mounting system and carriers is not safe, not permitted, and will void the warranty.

Be aware that during transportation ropes and straps can stretch and shift. Check and tighten straps, ropes, and buckle at the start of a trip and at intervals along the way. These intervals can depend on distance travelled, speed, weather (rain and wind), severity of terrain.

If you have stopped and left your vehicle unattended, inspect the security of the load for possible damage by others.

Do not exceed the maximum loads specified for the vehicle roof, or this Suspenz Roof Carrier.

Water can add significant weight to watercraft, exceeding the load capacity of racks, carriers, and vehicle roof.

- Before loading a watercraft on the Carriers, empty all water that may have entered into hatches and bulkhead areas.
- During and after rain, check the load to verify water has not become trapped. Empty all trapped water.

Loads attached to the roof of the vehicle can affect the handling characteristics of the vehicle (steering, braking, and cornering, for example). This is especially true in areas of high side winds.

Do not take the roof carriers through an automated carwash. Remove the Roof Carriers first.

Be aware of the total height of the Roof Carriers with watercraft. Be sure there is adequate clearance before entering a garage, carport, fast food drive through or other area of restricted height.

Maintain the Roof Carrier using fresh water and mild cleaning solutions. Do not use bleach, ammonia, or alcohol solutions which can damage the plastic and rubber parts.

In saltwater environments, rinse off the salt spray with fresh water.

Do not use these Roof Carriers for the storage of your Watercraft.