

EZ ROLLER™ V-RACK

Model # 44-0166



PARTS LIST	
Qty	Part Name
1	V-Rack with EZ Roller™ Pads
1	V-Rack with Static Pads
2	Tie Down Strap
2	Bow & Stern Tie Down
4	Underside Brackets
8	SS Bolt Set (60mm)
8	SS Bolt Set (75mm)
8	SS Plastic T-Knob
8	SS Washer



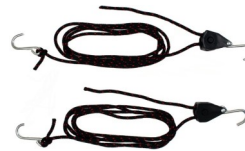
V-RACK WITH STATIC PADS

**Holds up to
90lbs**

**V-RACK WITH EZ ROLLER™
PADS (YELLOW COLLARS)**



**MOUNTING
HARDWARE**



**BOW & STERN
TIE DOWNS**




**TIE DOWN
STRAPS**

Rev. 4.21

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.

SUSPENZ, INC.
8725 ROSWELL ROAD #0-220
ATLANTA GA 30350



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Install Racks on Vehicle

This carrier mounts to an existing crossbar on your vehicle. Suspenz carriers are compatible with factory mounted crossbars and with after market crossbars.



The crossbars must be spaced a minimum of 24" apart.

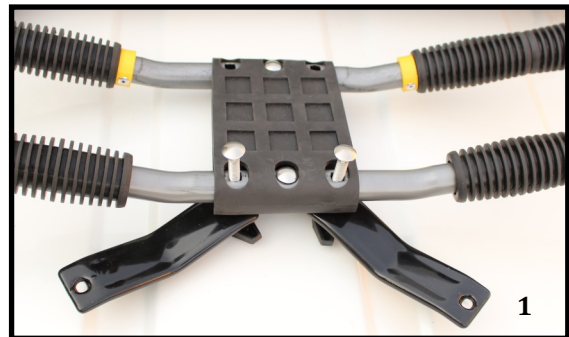


Do not exceed the vehicle manufactures rated loading for roof racks shown in the owners manual. For factory installed crossbars add the weight of these Suspenz roof racks (13 lbs. for two) to the weight of your watercraft and compare to the allowable load in the owners manual.

For after market crossbars, add the weight of the crossbars to the weight of these Suspenz roof racks (13 lbs. for two) to the weight of your watercraft and compare to the allowable load in the owners manual.

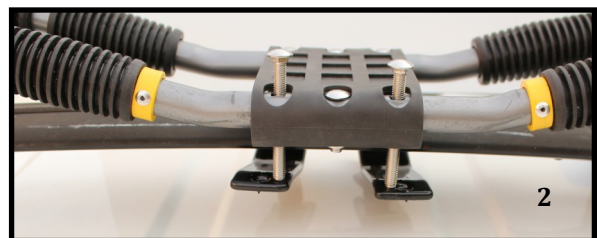
STEP 1: Mount Brackets on V-Rack with EZ Roller Pads (the one with the yellow collars).

- 60mm and 75mm bolts are supplied. Select the longer bolts for thick crossbars and the 60mm bolts for thin crossbars.
- Insert 2 bolts in the V-Rack as shown (Fig. 1). Put an underside bracket on each bolt (you may need to push a little). Secure loosely with a washer and T-Knob.



STEP 2: Install V-Rack with EZ Roller Pads on back crossbar of vehicle.

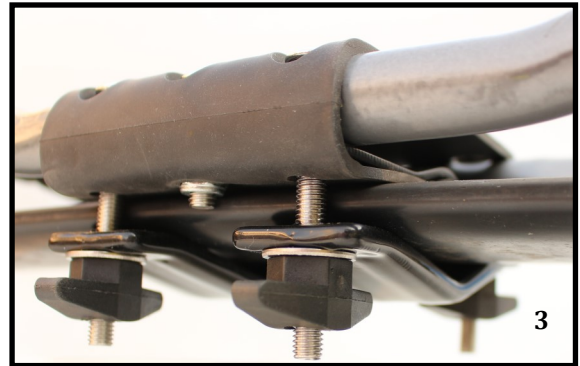
- Place the V-Rack on the back crossbar of the vehicle with the yellow collars at the rear of the vehicle. These rotating EZ rollers are the first point the watercraft will touch during loading (Fig. 2)
- Swing the brackets around, push bolts into the brackets, and secure with a washer and T-Knob.



NOTE: If the 75mm bolts are not long enough, contact Suspenz as 100mm bolts are available.

STEP 3: Fully tighten all four T-Knobs by hand (Fig. 3)

- Switch between the T-Knobs during tightening so that each bolt protrudes from the knob by the same amount
- If the bolts protrude too far such that they may damage the vehicle roof when the crossbar flexes, change to the shorter bolts.



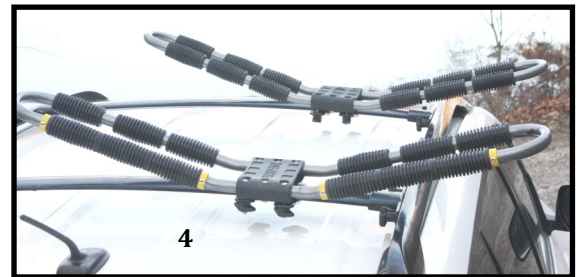
The T-Knobs must fully engage each of the four bolts. Check to make sure each bolt sticks through the nuts in the T-Knobs. If they do not, switch to the longer 75mm bolts (supplied). If these are still too short, contact Suspenz for 100mm bolts.



After fully tightening the T-Knobs, try sliding and twisting the V-Rack Carrier on the crossbar. If the V-Rack Carrier moves or twists retighten the T-Knobs to eliminate this play.

STEP 4: Repeat steps 1-3 for the second V-Rack with the non-rotating static pads (no yellow collars) that mounts to the front crossbar.

- Mount the Suspenz V-Rack Carriers so they are aligned along the length of the vehicle (fig. 4)



The V-Racks must not extend beyond the width of the vehicle.

V-Rack Removal

Remove the V-Racks when not being used.

- Loosen all four T-Knobs.
- Remove two of the T-Knobs from one side of V-Rack and rotate the brackets to free the rack..
- Reattach washers and T-Knobs so they do not get lost.



Always remove the V-Racks before going through a carwash.

Loading and Securing

STEP 5: Load Kayak or Canoe or up to three SUPs (watercraft) from the back of vehicle so that the first point of rack contact is on the rotating pads (side with yellow collar). (fig. 5)

- Push watercraft forward along the rollers.
- Gently allow watercraft to pivot down to contact the front rack.
- Adjust position of watercraft so it is centered fore-aft on the crossbars.
- Adjust position of the watercraft so it is centered left-right on the V-Racks.



Note: The static pads can be moved along the frame using a rotating motion. Position the static pads to best fit the watercraft.

STEP 6: Strap Watercraft to Vehicle

- Start from the side of the car. Pass buckle end through the open loop of the V-Rack. (Fig. 6)
- Toss the free end of the strap over the watercraft. From the other side of the vehicle, thread the strap around the crossbar such that the strap is inside the V-Rack loop. (Fig. 7)
- Toss the strap back over the watercraft.



Loading and Securing (continued)

STEP 6: Strap Watercraft to Vehicle (continued)

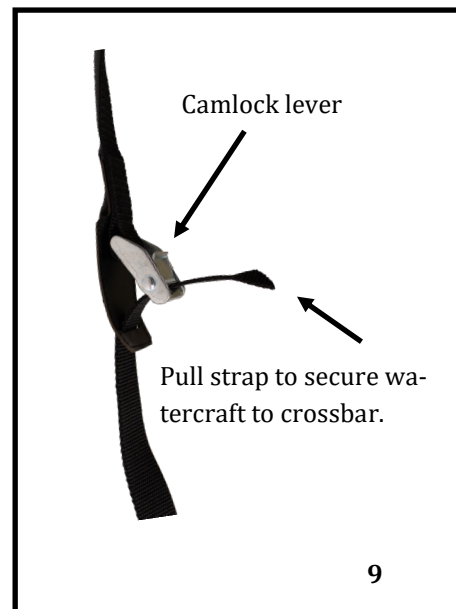
- From the side of the car, pass the strap through the open loop of the V-Rack, around the crossbar, and back through the open loop of the V-Rack. (Fig. 8)
- Depress the camlock lever on the buckle and thread the end of the strap through the buckle from the underside. (Fig. 9)
- Ensure the fabric buckle protector sits against the watercraft then pull down on the free end of the strap to tighten. It is easiest to tighten when the camlock lever is depressed. (Fig. 10)



It is important that the straps loop around the crossbar so that the watercraft is secured to the crossbar



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



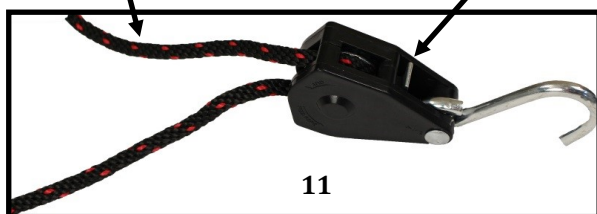
Loading and Securing (continued)

STEP 7: Attach Bow & Stern Tiedowns

- Push the lever down to release the rope and lengthen the distance between the hooks (Fig. 11)
- Attach one hook to a secure point near the bow of the watercraft. Attach the other hook end to the metal frame of the vehicle. Tighten by pulling on the loose end of the rope.
- Repeat for the stern of the watercraft. (Fig. 12)

Pull to tighten

Push lever to release and loosen



The Bow & Stern tiedowns must connect to metal not plastic on the vehicle.



Use caution when tightening Bow & Stern tiedowns as over-tightening can deform the watercraft



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These instructions cover the installation and use of Suspenz Roof Rack 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 Rack Carriers and to adequately secure the load to the Vehicle. Failure to do so can result in the racks and/or load coming loose during travel causing a serious accident.

Suspenz is not responsible for the installation, condition, or security of after market roof racks and crossbars.

Crossbar attachment points must be spaced a minimum of 24" apart along the length of the vehicle.

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

Be aware that during transportation ropes and straps can stretch and shift. In addition, attachment hardware can loosen. Check and tighten straps, ropes, and hardware 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, the roof racks, or this Suspenz 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.

Supplied straps must be used (according to instructions) on each Carrier along with the supplied Bow & Stern straps to secure the load.

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 rack carriers through an automated carwash. Remove the roof rack carriers first.

Be aware of the total height of the carriers and 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 rack 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 Rack Carriers for the storage of your Watercraft.