

Spikes-Spider is the convenient alternative to snow chains and studded tires. It's designed to be installed anytime, anywhere, by anyone in just 30 seconds.

These text instructions are the script for the video demonstration available at [Spikes-SpiderUSA.com](http://Spikes-SpiderUSA.com).

### **INSTALLING SPIKES-SPIDER SPORT**

To install Spikes-Spider Sport, first remove the decorative hub cover. The green traction bars, visible here, identify the mounting zone. Drape the Sport traction element over the tire with the mounting zone in front and behind the bottom of the tire.

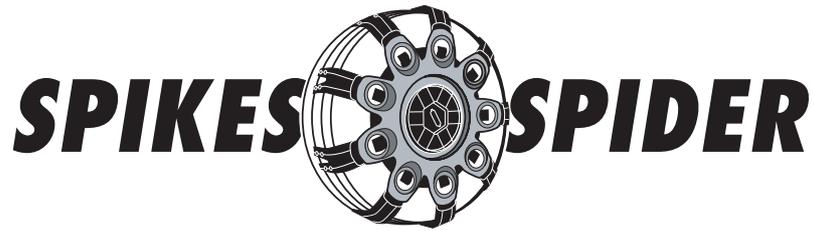
To test for correct sizing, your hand should be able to fit snugly but comfortably between the top of the tire and the traction element. If not, remove it to increase the size of the traction net.

Move the chain hooks on the inside hole of the traction bar to the outside hole. This move on one side of the traction bar increases the size of the traction element by 3.4mm.

Remount the traction element with the green mounting zone at the bottom of the tire. Slide the double hooks located in the mounting zone toward you - into the free position. Lastly, insert the locking ring and turn until the red security grip snaps into place. Recheck the sizing. Your hand should be able to fit snugly but comfortably between the top of the tire and the traction element. This gives the Sport traction element enough slack in the traction net to self-mount.

To remove, unlock the red security grip and pull the Sport traction element off the tire. Repeat this on the other side, and then move the vehicle to free the bottom two traction arms.

Remember to reattach your decorative hub cover.



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## **INSTALLING THE HARDWARE**

At the beginning of the winter season or before you leave on a trip, you need to install your Spikes-Spider hubs. This takes about five minutes per wheel. In order for the Spikes-Spider traction element to fit the tire correctly, the hub assembly needs to be mounted in the same plane as the outer sidewall of the tire. To establish the correct distance between the Spikes-Spider wheel nuts or fix-clips and the tire sidewall, use the distance gauge located in your hub kit.

Pull out the red slide and place the black tip against the wheel nuts or fix-clip adapters. Push the distance gauge toward the tire until the red edges of the gauge touch the tire sidewall. Spikes-Spider Sport and Alpine owners use the arrow on the left side of gauge; Quick and Compact owners use the arrow on the right. The number to which the arrow points specifies the hardware needed to space the hub plate correctly. If the arrow points directly to the line between two numbers, chose the higher number.

The distance gauge indicates which attachment hardware to use to install the hub onto the Spikes-Spider wheel nuts or fix-clip adapters. Place the socket wrench over the spacer or bolt and insert the short end of the torque handle through the holes in the socket wrench. Turn the torque handle clockwise until the loop in the torque handle is closed.

The hub plate fits wheels with four, five or six lugs. The flat hub is equipped with 10 oblong holes that are marked for the applications. Place the bolt through the hub plate and screw it into the spacers. Tighten the bolts with the socket wrench and torque handle. The proper amount of force closes the loop of the torque handle.

Lastly, install the decorative hub cover.