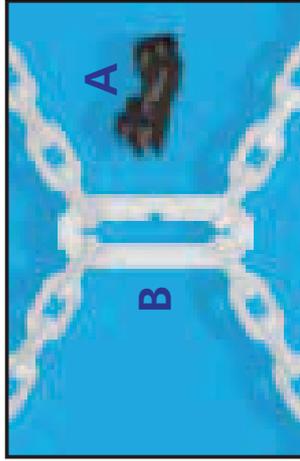
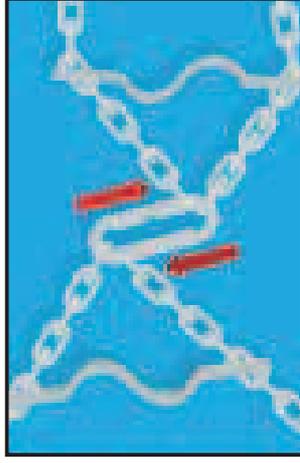


## Adjusting the chain length at the adjustment joint

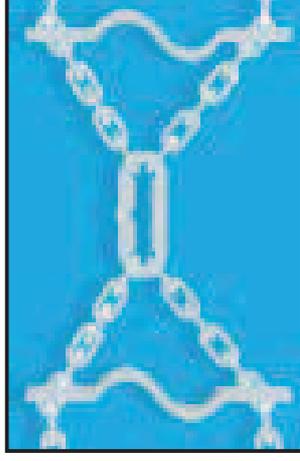


Press out safety clip (A).

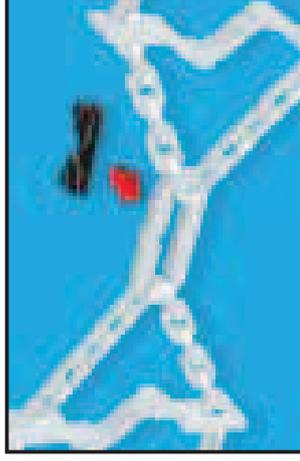
Picture: Adjustment joint (B) in position "short".



To increase the diameter of the chain, move the left chain segment below upward and the right upper chain segment downward.



Adjustment joint in position "long".



Insert safety clip.

## Adjusting the chain length at the synthetic bow



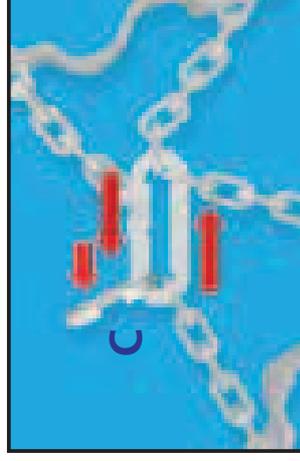
Press out safety clip (A).

Unscrew the nut and pull out the screw hereafter.

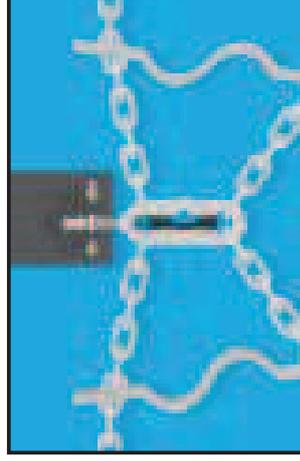
Picture: Adjustment in position "long".



Tilt the synthetic bow (D) towards the adjustment joint (B) and remove the synthetic bow.



Slide the connecting hook (C) to the left and the left chain segment from the left to the right. Shift the upper right chain segment from the right to the left afterwards.



Hook in the connecting hook into the synthetic bow, fasten it with the screw and the nut and insert the safety clip.

Picture: Adjustment joint in position "short".

## Please refer to the table in the annex for determination of the recommended pre-adjustment A (large tire size), B (medium tire size) or C (small tire size).

The chain is already pre-adjusted to fit the most common tire sizes. All adjustment joints connected to the synthetic bows of the chain are in position "long" and all adjustment joints in-between the synthetic bows are in position "short".

### Adjustment "A" (large tire size)

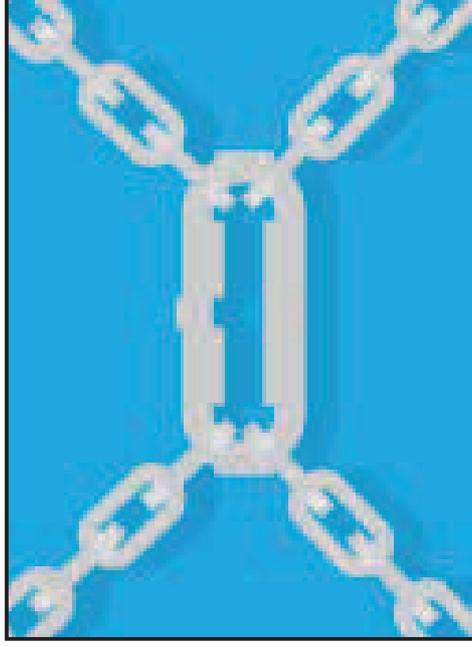
It may be necessary to change the adjustment at the adjustment joints in-between the synthetic bows of the chain (not at the adjustment joints connected to the synthetic bows) depending on the tire dimension. Proceed with fine adjustment and make sure that a flat hand fits between tire and chain (ref. to Mounting - Step 5).

### Adjustment "B" (medium tire size)

For adjustment "B" please shorten first the chain by changing the position of two adjustment joints which are facing each other and are connected to the synthetic bows to adjustment "short". For fine adjustment you must only change the position of the adjustment joints in-between the synthetic bows. Proceed with fine adjustment and make sure that a flat hand fits between tire and chain (ref. to Mounting - Step 5).

### Adjustment "C" (small tire size)

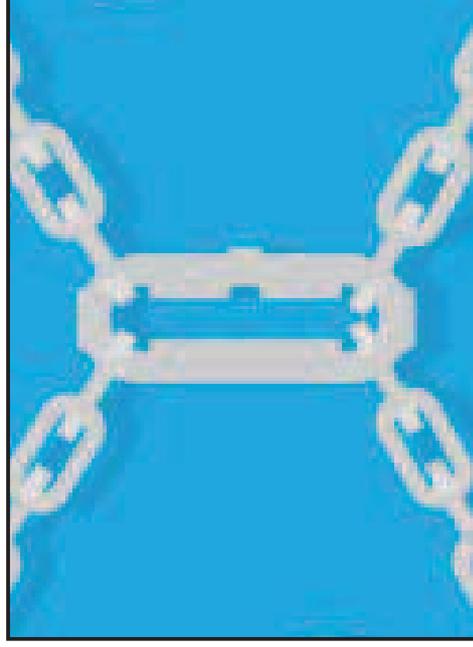
For adjustment "C" please shorten first the chain by changing the position of all four adjustment joints which are connected to the synthetic bows to adjustment "short". For fine adjustment of the chain you must only change the position of the adjustment joints in-between the synthetic bows. Proceed with fine adjustment and make sure that a flat hand fits between tire and chain (ref. to Mounting - Step 5).



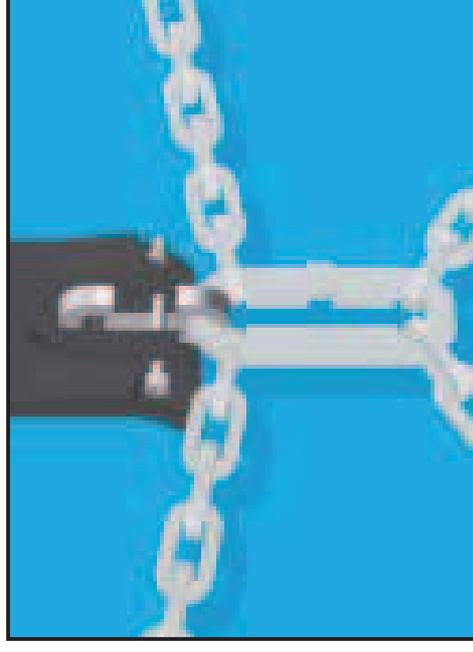
Adjustment joint in position "long"  
(in direction of driving)



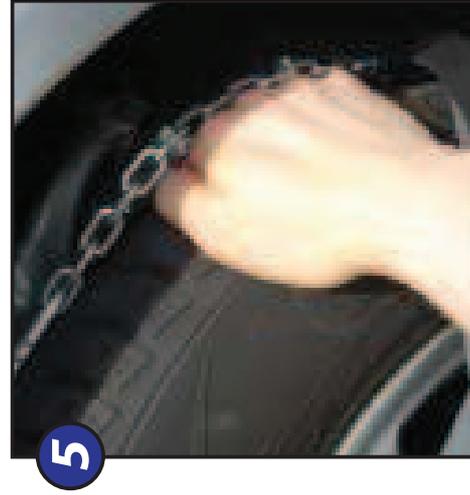
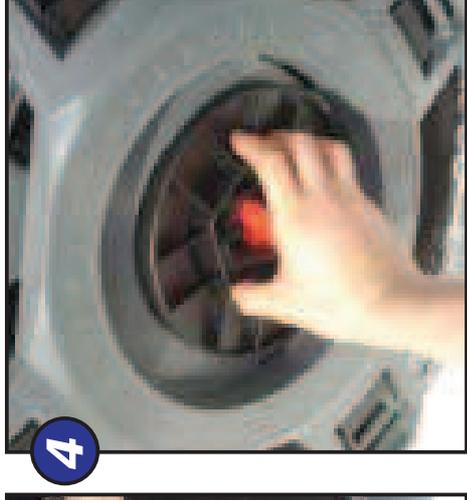
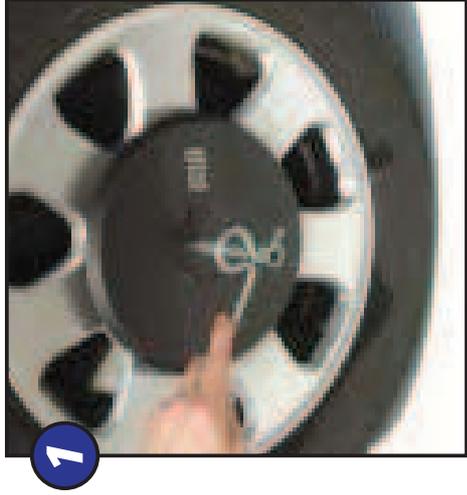
Adjustment joint in position "long"  
(in direction of driving)



Adjustment joint in position "short"  
(across to direction of driving)



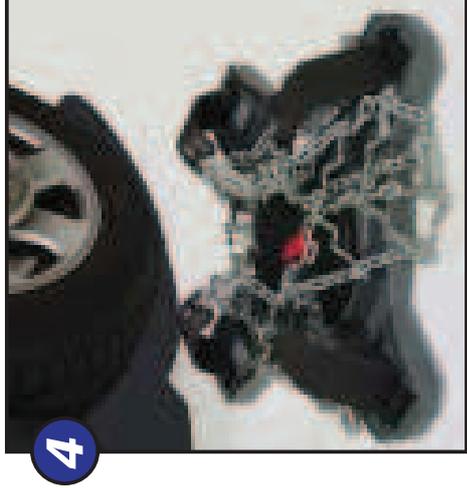
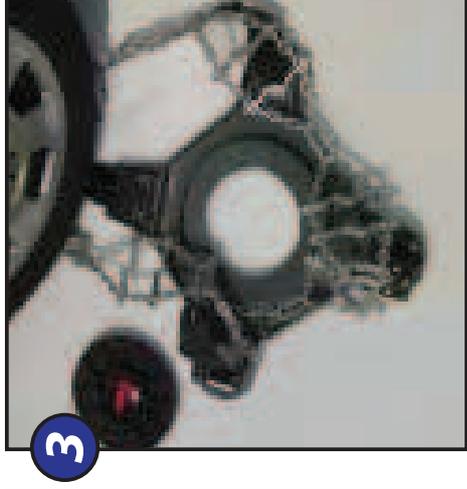
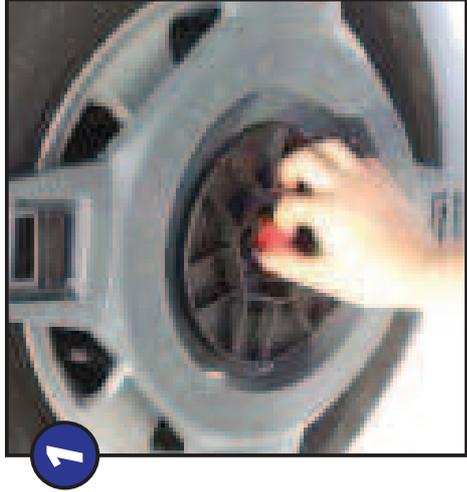
Adjustment joint in position "short"  
(across to direction of driving)



- 1** Remove the hub cover. Put the box wrench into the center of the hub cover and turn the torque handle (metal bar) under slight pressure to the left.
- 2** Spread the synthetic bows and make sure that the half circled slit in the circular holding device of the SPIKES-SPIDER is positioned to the bottom / the road.
- 3** Push the bows with the chain of the SPIKES-SPIDER first over top, then on the left side and then on the right side of your tire, while pressing the holding device as close to your rim as possible.
- 4** Put on the locking disc, press it against the adapter plate and turn it to the right or left, until the red security bar "clicks" in completely.

The lower part of the chain, which is aside to your tire now, will mount itself while starting to roll.

- 5** Please check the size adjustment before you continue to drive. A flat hand must fit between your tire and the chain. Size adjustment is easy to do with the SPIKES-SPIDER (ref. to Adjustments).



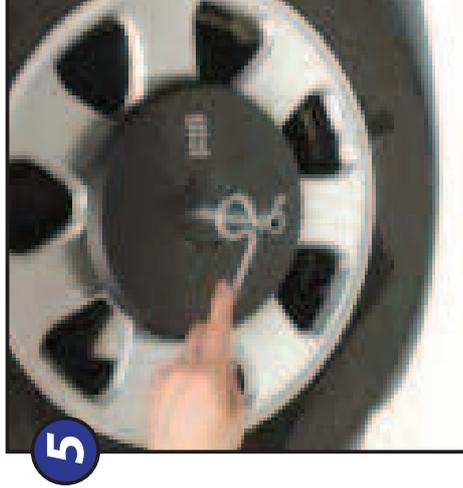
**1** Detach the locking disc by pulling out the red security bar in the middle and turning the disc to the left or right until the locking disc may be removed easily.

**2** Pull down the SPIKES-SPIDER from the upper part of the tire.

**3** The SPIKES-SPIDER will slide of the wheel while one chain segment is still under the wheel.

**4** Move your vehicle forward or backward to release the chain and the SPIKES-SPIDER is aside of your tire. Fold up the SPIKES-SPIDER and put it into your trunk.

**5** Put on the hub cover with the box wrench and the torsion bar carefully.



## SAFETY REQUIREMENTS

### 1. Accuracy in Fitting

The correct size adjustment of the SPIKES-SPIDER and the SPIKES-SPIDER ADAPTER are mandatory for accuracy in fitting and function of the product. Only original parts are permitted for the configuration. SPIKES-SPIDER needs to be mounted on the driven wheels. For four wheel drive vehicles preferably on the front wheels. In any case, the instruction manual of the manufacturer of your vehicle must be followed when using snow chains.

We recommend to check the correct size adjustment of the SPIKES-SPIDER after approx. 10 km and to readjust if necessary. This should be done approximately every 50 km afterwards.

### 2. Legal Guidelines

The maximum speed for SPIKES-SPIDER is 50 km/h (30 mph). Please also refer to the legal rules for anti skid devices or snow chains of the respective country. The included hub cover should be mounted on the adapter plate while driving without the chain.

### 3. Tire Pressure

Please obey the prescribed tire pressure for your vehicle in order to minimize the wear of your SPIKES-SPIDER and to prevent possible damages resulting from wrong tire pressure.

### 4. Longer braking distance

Keep in mind that driving characteristics of your vehicle change when driving with snow chains. The braking distance of the car is getting longer on snow covered or icy roads. The wheels without traction device react differently to the ones with.

### 5. Starting on Ice and Snow

Please start moving carefully with SPIKES-SPIDER and avoid spinning wheels.

### 6. General Instructions

Avoid spinning wheels (especially on gratings) and do not drive on curbs etc.. Please note that, in case of a standstill of one wheel, the rotation of the other unblocked wheel is twice as high as the speedometer states! High centrifugal forces may lead to damages. Reduce speed with your SPIKES-SPIDER also when wheel clearance is very narrow.

The wear rate of the components is much higher when driving on bare pavement, adversely affecting the life of the product. Take advantage of the fast mounting and fast removal of the SPIKES-SPIDER. Remove the SPIKES-SPIDER as soon as possible, in a safe location, when bare road conditions are encountered unless otherwise instructed by law enforcement officials or road signs.

### **7. Replacement of SPIKES-SPIDER parts**

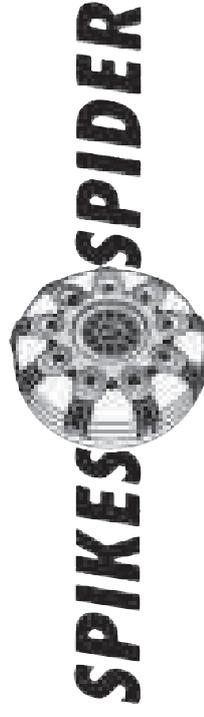
The individual parts of the SPIKES-SPIDER are subject to wear out even when used properly and need to be replaced at given time. Please ask your local dealer for original replacement parts.

### **8. Storage and Maintenance of the SPIKES-SPIDER**

Clean the SPIKES-SPIDER with warm water after use and store it at room temperature. Do not stress or deform the synthetic components heavily.

### **9. Liability**

Under no circumstances shall the manufacturer be liable to purchaser or any other person for any special or consequential damage arising out of improper installation and / or use of our products.



## **WARRANTY**

***The basis for any warranty claim is the compliance of the operating instructions.***

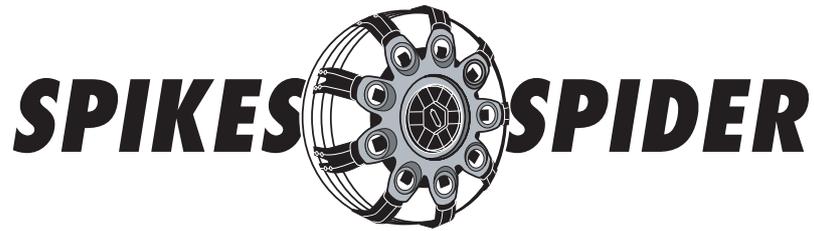
Dear driver.

Thank you for buying our product. With choosing SPIKES-SPIDER, you have acquired a product which allows you safe driving under snowy or icy conditions in winter. SPIKES-SPIDER is being designed and manufactured with greatest care and by using high-quality materials. We warrant the quality of workmanship and/ or materials of this product for a period of 2 years from the date of the original purchase.

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Date of purchase

dealers stamp / signature



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 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.