



## Passenger Cable Chain

### Installation and Removal Instructions

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**Z-Chain** is the choice of professional fleets needing a winter traction product. Please follow the installation and usage tips shown here. A few moments spent familiarizing yourself with this product's features will yield many hours of safe and trouble-free winter driving.

- \* **Meets S.A.E. Class "S"** requirements for vehicles with limited clearance. (Refer to your vehicle owner's manual)
- \* This product is intended for use on snow and ice covered roads. As such, it is legal in every state and province in North America, including those where studed tires are prohibited.
- \* Refer to page three of this booklet for important information regarding the use of this product.

#### A properly installed chain:

**Important:** We strongly recommend that the chains be fitted to the tire prior to actual use to ensure proper fit. Tire sizes may vary because of age, manufacturer, tread or type. Please ensure that the following points are correct when installing your chains.

1. The cable chain should drape at least 2 inches over each side of the tire from the edge of the tread.
2. Excess side cable should be secured by plastic spiral holder or in cross member anchor points.
3. Adjustments should be as equal as possible on all fasteners.
4. The chains should be tightened as snug as possible without using chain tighteners.

#### Snow tires or all-season tires with aggressive lugs:

Install chains hand tight and then loosen each side cable by one bushing. Chains should slowly rotate around the tire during normal operation for optimum performance. When chains are installed on snow tires or certain types of all-season tires too tightly, they are prevented from rotating.



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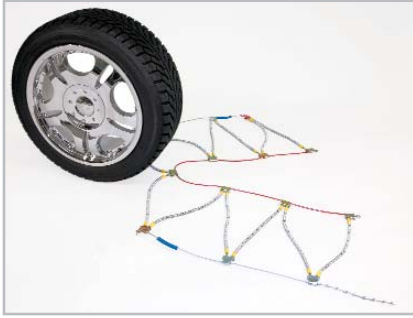
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**CAUTION: CHAIN TIGHTENERS MUST NOT BE USED**

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## Installation



**1** Park vehicle on firm, level ground and away from the flow of traffic. Set the emergency brake. Chains should be installed on drive wheels. Lay the cable chain on the ground with the smooth side (TIRE SIDE) of the crossmember hooks up.



**2** Move the chain in a sweeping motion under the vehicle so the open mid-section is positioned up against the backside of the tire. This sweeping motion can best be done while kneeling in front of the tire.



**3** Reach around each side of the tire and grasp both ends of the non-split side cable (that is furthest away from you). Pull both ends to the top of the tire so the fasteners can be seen and manipulated more easily. Connect the inside fastener.



**4** Grasp the outside cable with both hands and pull it toward you to create as much slack as possible. Connect the top fastener (the red one) as tightly as possible by inserting the silver "beads" on the cable through the keyhole.



**5** Repeat this process with the gold adjustment fastener. Ensure that both fasteners are adjusted within one bead of each other. Move the vehicle a few feet. Remove cable "slack" by retightening both adjustment points as equally as possible.



**6** To secure the free ends of the cable, slide the plastic spirals over them with a twisting motion. If insufficient cable is available for plastic spirals to secure, "tuck" the short end up next to the crossmember anchor points, as shown.



## Removal

Drive vehicle off highway to safe level ground. Turn off the engine and set the parking brake. Unhook the red outside fastener then the inside fastener. Lay the chain on the ground and drive off of it. Examine the chains for damage or worn parts. Dry off and spray with an all-purpose lubricant. Roll chains together and place back in package.



**CAUTION:** All winter traction products will wear out with extended use. They can also break due to misfit, misapplication or misuse. If this should occur, stop immediately and remove the chain. If these cautions are ignored, SCC, and its distributors are not responsible for injury or vehicle damage.

## Important:

- \* We strongly recommend that the chains be fitted to the tire prior to actual use to ensure proper fit. Tire sizes may vary because of age, manufacturer, tread or type.
- \* Z-Chain meets SAE Class "S" clearance requirements (15.00mm). Once the chains have been installed, drive a short distance. If you hear any contact of the chain to any vehicle part, remove chains immediately.
- \* Vehicle manufacturers' determine the clearance requirements based on the original (OEM) tires provided with the vehicle. Placing different size tires on your vehicle may affect the clearance necessary to operate this product.
- \* During installation of the chain, ensure that the chain drapes at least 2 inches over each side of the tire from the edge of the tread.
- \* With traction devices installed, the vehicle will handle differently (for example, a longer braking distance on pavement without snow or ice). Adjust your driving to these changed conditions.
- \* Z-Chain is intended for use on snow and ice-covered roads. As such, it is legal in every state and province in North America, including those where studded tires are prohibited. (Check local laws and regulations for any restrictions in your area.)

## For maximum chain life:

- \* Avoid speeds over 30 mph and use on bare pavement. Traction coils on cross members will fragment and cause cross members to break. Damage could occur to chains, tires and vehicles.
- \* Never use chain tighteners on Z-Chain. The chains could be pulled off-center.
- \* Avoid spinning tires: start slowly, even in uphill conditions.
- \* Avoid locking brakes: the best braking technique is a pumping action.
- \* If a cross member should break, stop & remove or replace it immediately.
- \* Chains should be tightened periodically during extended use.
- \* After use, clean and spray with an all-purpose lubricant.

## One Year Limited Warranty

This product is warranted free from defect in workmanship and material for one year from the date of delivery to the user. Defective product may be returned to the manufacturer, freight prepaid, within 10 days of alleged defect. Inspection will be made to determine cause of failure. Chain determined to be defective will be repaired or replaced. Buyer shall not be entitled to recover any incidental or consequential damages. No compensation will be made for any labor claim, delays or damages incurred by using this product. Although this warranty gives you specific rights, you may have other legal rights which differ from state to state. For more information, please write to:

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***Speeds over 30 mph, improper fit or improper installation voids this warranty.***