

NEW
Since 1977



Automatic Tire Chains

Get A Grip On Snow and Ice At the Flip Of A Switch

MANUFACTURED IN USA by ONSPOT of North America, Inc.



WWW.ONSPOT.COM

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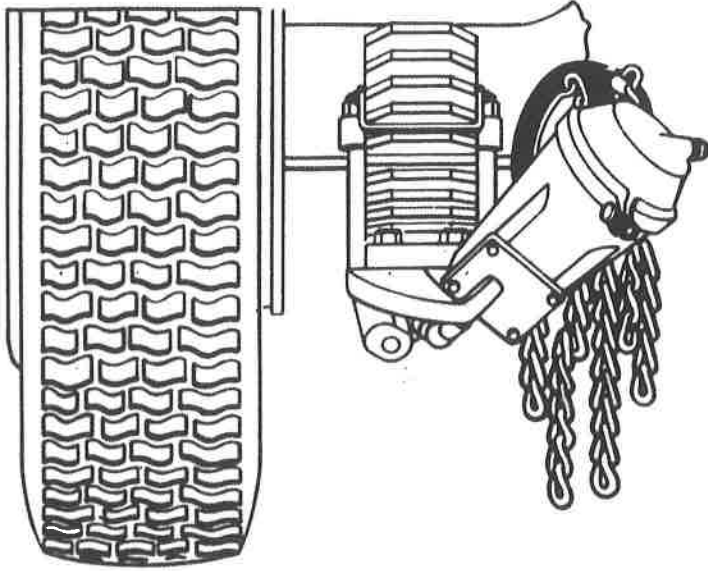
NORTH VERNON, IN
PHONE 1-800-224-2467
FAX 812-346-1819

EVANS, CO
PHONE 1-866-530-8977
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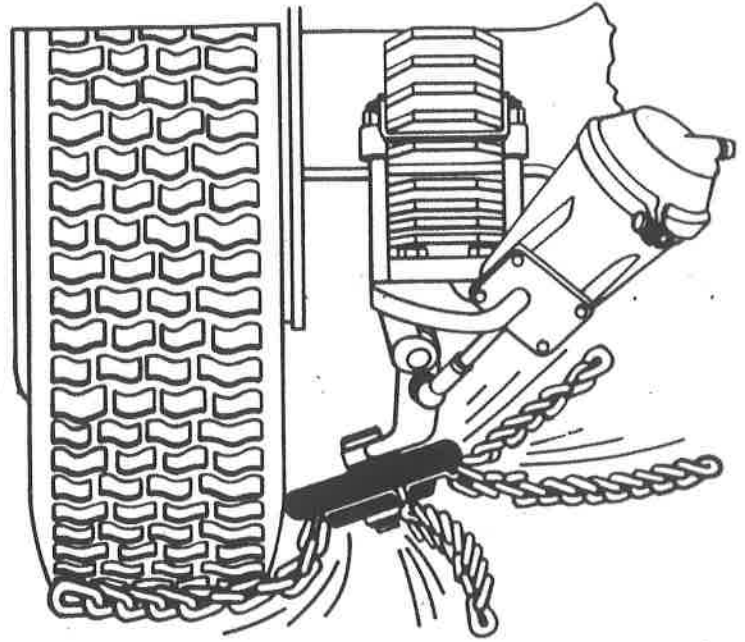
PILOT HILL, CA
PHONE 1-888-404-8689
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ONSPOT TRACTION

Resting Position



Working Position



DESCRIPTION OF OPERATION

The ONSPOT Automatic Tire Chain System offers the traction of a single set of conventional snow chains at the flip of a dashboard switch, without having to stop the vehicle.

An electric switch mounted in the cab provides 12 volts to an air solenoid mounted on the vehicle's frame rail. Compressed air to the solenoid is supplied from either the vehicle's onboard air system or a 12-volt compressor kit.

When the dashboard switch is activated the solenoid opens. This allows compressed air to enter the air cylinder and lower the chainwheel so it contacts the inside of the tire. The friction between the tire and the rubber-covered chainwheel causes the chainwheel to rotate, creating enough centrifugal force to flail

the chains out. (The principle of the system is similar to a small generator driven by a bicycle tire to operate a headlight.)

Six lengths of chain spaced at 60-degree intervals on the chainwheel ensure that there are always 2 chains between the tire and road surface whether you are accelerating, braking, or are in a wheel lockup condition. The traction from the chainwheel is obtained in **FORWARD OR REVERSE.**

When the dashboard switch is turned off, the solenoid exhausts the air provided to the chain units and return springs in the air cylinders bring the chainwheels back to their resting position.

THE ONSPOT SYSTEM FOR THAT EXTRA MARGIN OF SAFETY



CHAIN UNIT ASSEMBLY- (two per vehicle) -

The unit is fastened to the vehicle mounting bracket and consists of an air cylinder, swing arm and chainwheel. The chainplates are replaceable. The air cylinder contains a diaphragm, pushrod, return spring and protective boot.

VEHICLE MOUNTING BRACKET -
(two per vehicle) - The bracket is bolted to the vehicle's rear suspension and is designed to fit the particular vehicle for a permanent installation of the ONSPOT system in a few hours.



AIR SOLENOID -
Allows compressed air to flow to the chain units when the dashboard switch is activated.

**CAB MOUNTED
DASHBOARD
SWITCH -** Used to provide 12 volts to chassis-mounted solenoid.



ONSPOT
Automatic Tire Chains

INSTRUCTIONS FOR:

- Mounting
- Operating
- Maintenance
- Warranty
(PLEASE RETURN COMPLETED CARD)
- Spare Parts Information

ONSPOT MEANS RELIABILITY AND DURABILITY

Built-In Experience/Reliability

ONSPOT, the originator of the automatic tire chain device, has built a solid reputation on its research and design for over 25 years. The ONSPOT device is built to absorb shock and to withstand the hostile environment it operates in: salt corrosion, high vibrations, abrasive, slushy conditions. Its chain, made of special through-hardened alloys, is meant to stand the test of time. And it does! No detail has been overlooked in the multifaceted testing and operation of the ONSPOT device. Less than 4% of ONSPOT's sales are for parts, including the replaceable chainplates. ONSPOT engineering is unparalleled! The ONSPOT system has built-in experience for ongoing reliability.

Individual Adaptation to Each Vehicle

A variety of ONSPOT models are available for either spring or air-suspended vehicles. The system is adaptable to most trucks and buses. ONSPOT fits each vehicle individually, thereby eliminating the problems inherent in universal adapters. ONSPOT helps choose the model best suited for your operating needs. Each system is delivered with an adapter kit that is made to measure in our factory for a particular vehicle. Once the individual vehicle is measured and the system is installed, the ONSPOT device stays adjusted – even throughout years of rigorous daily use.

Correct and Precise Installation

A properly installed ONSPOT system is the basis of effective operation. It is best when a trained ONSPOT professional, equipped with knowledge and experience, handles your installation. Call your nearest ONSPOT representative or dealer to assist you with your installation needs.

Short Distance or Long Runs

Often drivers think that the ONSPOT automatic tire chain system, which works whether you're in **FORWARD OR REVERSE**, is for use only when encountering patches of ice or snow. Not so! The ONSPOT system, while great to have access to when needed on a moments notice, is meant to withstand use for the long hauls.

Safely and Quickly

Once your vehicle is equipped with ONSPOT, the system is at your disposal in a matter of seconds. All it takes is a flip of the switch located in the cab of your vehicle. If black ice looms or packed snow lies ahead, you'll have the additional safety advantage of knowing that you can immediately deploy your ONSPOT automatic chain device. No pulling over to the side of the road to struggle with putting on chains in the freezing cold for what seems like hours. And no exposure to passing vehicles while chaining up at the side of the road. The ONSPOT system is user friendly, safe, and effective.

Saves Time... Saves Money

When cargo needs to be delivered and schedules met, ONSPOT is the only way to go. Down-time is too costly, whether it be a vehicle or personnel. Why gamble with fate – or customer relations for that matter? There are multiple testimonials where the emergency deployment of the ONSPOT device was able to save vehicles and/or lives after the driver had already lost control. ONSPOT is designed to last the service life of the vehicle. Often it can be transferred to the replacement vehicle. The ONSPOT system is both efficient and cost-effective. Ultimately, it saves time and money.

ONSPOT Automatic Tire Chains

MANUFACTURED IN THE U.S.

D.O.T. APPROVED IN ALL 50 STATES

EMAIL: ONSPOT@ONSPOT.COM

WWW.ONSPOT.COM

FEATURES AND BENEFITS

- ✓ PERMANENT INSTALLATION, VEHICLE IS ALWAYS PREPARED
- ✓ ONSPOT MODELS TO FIT MOST VEHICLES FROM PICK UP TRUCKS TO TRACTOR TRAILERS
- ✓ 12 VOLT AIR COMPRESSOR KIT AVAILABLE FOR VEHICLES WITHOUT AIR BRAKES
- ✓ SHIFT ON THE FLY UP TO 25 MPH OPERATING SPEED 2 MPH TO 35 MPH
- ✓ MORE HAULING FORCE
- ✓ FASTER ACCELERATION
- ✓ REDUCES STOPPING DISTANCE
- ✓ TRACTION IN FORWARD OR REVERSE
- ✓ INCREASES VEHICLE SAFETY AND PRODUCTIVITY
- ✓ ELIMINATES WHEEL WELL DAMAGE FROM BROKEN CONVENTIONAL CHAINS
- ✓ DESIGNED FOR ICE, PACKED SNOW AND UP TO 6 INCHES OF SNOW
- ✓ FEW PARTS WITH LITTLE MAINTENANCE
- ✓ REPLACEABLE CHAINPLATES
- ✓ DOT APPROVED IN ALL 50 STATES
- ✓ APPROVED FOR STATES WITH CHAIN CONTROL AREAS

WHEN BLACK ICE OR SNOW APPEARS...

The ONSPOT Story

Black ice and snow pose an ominous threat to transports and emergency vehicles – often when time is of the utmost importance. Whether a blinding snow storm or a deceptively clear, sunny day, black ice appears causing ruinous devastation. Lives and vehicles are crippled or destroyed in just moments; schedules fall by the wayside. The toll is heavy and the cost great.

Encountering this costly dilemma time after time was a lone owner of a transport service that picked up milk from outlying farms in Sweden and delivered the perishable to processing plants. Delays that sometimes resulted in spoiled products, along with expensive vehicle repairs, led to resolve. A select group of engineers was rounded up, determined to significantly reduce, if not eliminate, this dramatic problem. From this, ONSPOT of Sweden was born, and the automatic tire chain device developed.

The Swedish terrain, rugged and mountainous, along with erratic climatic conditions, enabled ONSPOT researchers to study the most hazardous conditions. Conditions duplicated all over the world; from the narrow, twisty passes of the Swiss Alps to the frozen, vast plains of North America. And while ONSPOT is **THE ORIGINATOR** of this world product, its research and commitment to quality is ongoing since its **INCEPTION IN 1977.**

No longer does a driver have to take precious time, in the freezing cold, to chain up; or anticipate whether or not to use chains – and guess wrong. At the flip of a switch, placed within the vehicle's cab, chains are deployed within seconds. That's a safety factor few can ignore.

No longer does an owner or fleet manager have to stay up nights worrying about the loss of a vehicle or his livelihood with the first sign of inclement weather. Worldwide studies have proven the ONSPOT automatic anti-skid device's effectiveness in drastically reducing winter-related accidents. Its use is an additional safety factor that turns into cost savings untold!

And when time is of the essence, ONSPOT can be relied upon to get you to your destination. ONSPOT equates to on time and affords you that extra peace of mind.

ONSPOT has outfitted over a quarter of a million vehicles worldwide. A few have tried to imitate ONSPOT, but no one has even come close to the vast array of knowledge and expertise behind ONSPOT's years of research and development, from the scientific lab to the practical applications of the open roads. ONSPOT automatic tire chains are made from special alloys, and unlike any other, they are made to last!

ONSPOT, **THE ORIGINATOR** of the automatic tire chain system, is the most widely used and recommended automatic anti-skid device in the world.