

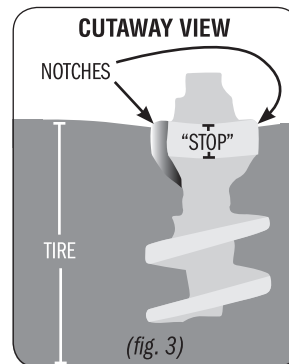
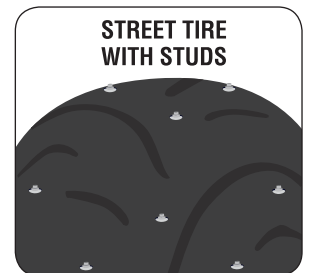
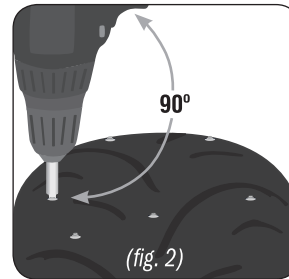
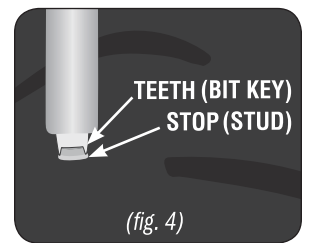
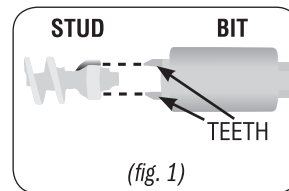
INTRODUCTION: Thank you for purchasing your Self-Tapping Tire Studs. Made of corrosion-proof, super hard, abrasion-resistant tungsten carbide, these ingeniously designed studs allow most of the tire's rubber tread to remain in contact with clear pavement while providing increased traction over mixed snow or ice. The exact number and placement of studs is dependant upon each rider's personal preference and climate. Do not use studs on used tires, or tires with soft rubber components (such as race tires), as the studs may loosen or pop out. After studs are installed, ride at a moderate speed and check your tires after a few minutes to make sure the studs have seated properly. Thereafter, check tires daily, or after every 20-25 miles of riding. Loose studs can be re-installed without causing damage to your tire. If you have questions or comments, please call us at 800 222 1994.

RECOMMENDED USAGE

STUD	ROAD	OFF-ROAD
A (#4706)	++	+
B (#4707)	+	+
C (#4708)	++	+
D (#4714)	-	++
E (#4719)	S++	S-
F (#4720)	S++	S-

++ = Recommended.
 + = Can sometimes be used.
 - = Should not be used.
 S = For scooters only.

INSTALLATION: All you need for installation is an electric drill (preferably clutch driven) and a stud kit. We also recommend a pencil or piece of chalk for marking the stud locations on your tires. Each kit includes 100 studs (50 per tire) and an bit key for installation. Place your bike on it's centerstand (or a milk crate, etc.) so tires are off the ground. It is not necessary to your remove tires for installation. Using a pencil or piece of chalk, mark the desired stud locations. Insert the included bit key into your electric drill. Each stud has two small notches that match two "teeth" in the bit key (see fig. 1). Insert the head of the stud into the bit. Slowly drill (screw) the stud into the tire at a 90 degree angle to the surface of the tire (see fig. 2). Slowly drill the stud only to the "stop" of the stud before the teeth of the bit key touch the tire (see fig. 3 & fig. 4). **DO NOT OVERTIGHTEN.** Over-drilling will potentially lacerate and damage your tire. **DRILL SLOWLY.**



Important Notes:

- #4719 & #4720 are the only studs recommended for scooter tires. All others (4706, 4707, 4708 & 4714) are for motorcycle tires.
- Studs should be installed on **NEW MOTORCYCLE TIRES ONLY**. Do not install studs on old tires. Do not remove conventional studs from an already-studded tire and install these studs in their place. Install studs only on a fresh set of tires.
- If you live in an area with exceptionally heavy snowfall and/or icy road conditions, you may want to purchase extra sets in order to install additional studs.

Gluing the studs:

The studs are specially treated to work in harmony with your tire and will not be rejected as "foreign objects". Therefore, glue is not necessary, but if so desired as an added precaution... make a "pilot hole" by screwing a stud into the tire. Switch your drill to reverse, remove the stud, and place a drop of Loctite 480, 496, or Cyberbond 1008, 1070, or 2243 into the pilot hole, and re-install the stud. Outside temperature must be at least 62°F for glue to make a complete and full bond. Wait 48 hours for glue to dry before riding on studs.

SAFETY WARNING

- MAXIMUM STUDED TIRE GRIP ON DRY OR WET PAVEMENT IS REDUCED COMPARED TO NON-STUDED TIRES. RIDE WITH CARE WHILE LEARNING THE CAPABILITIES OF STUDED TIRES. STUDED TIRES MAY NOT BE LEGAL IN SOME JURISDICTIONS. CHECK LOCAL LAWS (SEE OTHER SIDE FOR NORTH AMERICAN REGULATIONS).

STUDED SNOW TIRE REGULATIONS FOR PASSENGER CARS IN NORTH AMERICA (2007)

STATE (USA)	STUDED TIRE REGULATIONS
ALABAMA	Rubber Studs: PERMITTED / Metal: ILLEGAL
ALASKA	PERMITTED (Sept. 15 – May 1 / Sept. 30 – Apr. 15, South of 60° N)
ARIZONA	PERMITTED (Oct. 1 – May 1)
ARKANSAS	PERMITTED (Nov. 15 – Apr. 15)
CALIFORNIA	PERMITTED (Nov. 1 – Apr. 1)
COLORADO	PERMITTED (Year Round)
CONNECTICUT	PERMITTED (Nov. 15 – Apr. 30)
DELAWARE	PERMITTED (Oct. 15 – Apr. 15)
DIST OF COLUMBIA	PERMITTED (Oct. 15 – Apr. 15)
FLORIDA	Studs that do not damage highway are PERMITTED
GEORGIA	PROHIBITED Except for snow and ice driving conditions.
HAWAII	PROHIBITED
IDAHO	PERMITTED (Oct. 1 – Apr. 15)
ILLINOIS	PROHIBITED
INDIANA	PERMITTED (Oct. 1 – May 1)
IOWA	PERMITTED (Nov. 1 – Apr. 1)
KANSAS	PERMITTED (Nov. 1 – Apr. 15)
KENTUCKY	PERMITTED
LOUISIANA	PROHIBITED
MAINE	PERMITTED (Oct. 1 – May 1)
MARYLAND	PROHIBITED Except in western counties from Nov. 1 –Mar. 31.
MASSACHUSETTS	PERMITTED (Nov. 2 – Apr. 30)
MICHIGAN	PROHIBITED Except under certain conditions.
MINNESOTA	PROHIBITED Except for non-residents.
MISSISSIPPI	PROHIBITED
MISSOURI	PERMITTED (Nov. 1 –Mar. 31)
MONTANA	PERMITTED (Oct. 1 – May 31)
NEBRASKA	PERMITTED (Nov. 1 – Apr. 1)
NEW HAMPSHIRE	PERMITTED
NEW JERSEY	PERMITTED (Nov. 15 – Apr. 1)
NEW MEXICO	NO REGULATION
NEW YORK	PERMITTED (Oct. 15 – Apr 30)
NORTH CAROLINA	PERMITTED
NORTH DAKOTA	PERMITTED (Oct. 15 – Apr 15)
OHIO	PERMITTED (Nov. 1 – Apr. 15)
OKLAHOMA	PERMITTED (Nov. 1 – Apr. 1)
OREGON	PERMITTED (Nov. 1 – Apr. 1)
PENNSYLVANIA	PERMITTED (Nov. 1 – Apr. 15)
RHODE ISLAND	PERMITTED (Nov. 15 – Apr. 1)
SOUTH CAROLINA	PERMITTED If projection is less than 1/16 when compressed.
SOUTH DAKOTA	PERMITTED (Oct. 1 – Apr. 30)
TENNESSEE	PERMITTED (Oct. 1 – Apr. 15)
TEXAS	Studs that do not damage highway are PERMITTED
UTAH	PROHIBITED Except for special alloy studs.
VERMONT	PERMITTED
VIRGINIA	PERMITTED (Oct. 1 – Apr. 15)
WASHINGTON	PERMITTED (Nov. 1 – Apr. 1)
WEST VIRGINIA	PERMITTED (Nov. 1 – Apr. 15)
WISCONSIN	PROHIBITED
WYOMING	PERMITTED

PROVINCE (CANADA)	STUDED TIRE REGULATIONS
BRITISH COLUMBIA	PERMITTED (Oct. 1 – Apr. 30)
ALBERTA	PERMITTED
SASKATCHEWAN	PERMITTED
MANITOBA	PERMITTED (Oct. 1 – Apr. 30)
ONTARIO	PROHIBITED
QUEBEC	PERMITTED (Oct. 1 – May 1)
NEW BRUNSWICK	PERMITTED (Oct. 15 – Apr. 30)
NOVA SCOTIA	PERMITTED (Oct. 15 – Apr. 30)
PRINCE EDWARD ISL.	PERMITTED (Oct. 1 – May 31)
NEWFOUNDLAND	PERMITTED (Nov. 1 – Apr. 30)
YUKON	PERMITTED
NORTHWEST TERR.	PERMITTED