

# Quick Guide to Motorcycle Tire Ball™ Installation

*Video installation instructions may be accessed at [www.tireballs.com](http://www.tireballs.com)*

## 1) Rim Preparation.

Remove the loose rim strip or duct tape covering the spoke nipples. Inspect and de-burr any sharp edges of spokes or nipples that may be present in the interior surface of the rim. Install an adhesive backed rim liner. If you use duct tape make sure it does not cover the tire bead seating area of the rim.



## 2) Install a loose valve stem in the rim hole.

This will keep debris outside the rim and can help seat the bead by pressurizing the tire through the valve stem.



## 3) Lubricate the inside of the tire carcass and the surface of each Tire Ball. You may use either the aerosol or liquid silicone lubricant. We find that the pure liquid silicone oil (included in the installation kit) lasts longer and offers the best lubrication.



- 4) Install a quick clamp onto the tire side-wall so that it projects into the interior of the tire carcass to use as a backstop for the insertion of Tire Balls™.



- 5) Insert fully inflated Tire Balls™ into the tire carcass pressing them against the quick clamp. Make sure that the inflation inserts are all facing the same direction.



- 6) Install as many Tire Balls™ into the tire carcass as will fit. Typically, the number required will be 35-38 Tire Balls™ in a front (in kit of 40) and 24-28 in a rear tire (in kit of 30)



- 7) If you intend to raise the pressure above the preset psig, then bring each ball up to the final pressure gradually, alternating between every other ball, much as you would torque a cylinder head, using the inflation regulator and pressure gauge. The intent is to inflate the balls so that they are the same size and pressure.



- 8) Lubricate the tire beads with the water-based tire bead lube.



- 9) After checking and aligning for tire direction and wheel direction, force the first tire bead over the rim flange starting at the rim lock. Force as much as possible by hand before picking up the tire irons to complete this step.



- 10) Use long tire irons to force the remainder of the first bead over the rim flange.



- 11) Force the tire down onto the rim so that the remaining tire bead is lying next to the rim flange. Next position the Bead Hold Down clamp in between the closest parallel spokes to the rim lock. Take 2 tire irons and lever a section of the tire bead over the rim flange so that the Bead Hold Down clamp can be locked into position, a small amount of bead lube smeared between the clamp and tire makes the installation process easier.



12) Once the motorcycle Bead Hold Down clamp is in place, long tire irons can be used to force the remainder of the tire bead over the rim.



Once the tire bead is stretched tightly and it becomes difficult to insert the tire iron between the tire and rim, use a tire iron adjacent the bead hold down clamp to force the first portion of the tire bead into the rim recess area.

The remainder of the tire bead can then be easily forced over the rim flange. Using a quick clamp (seen in step 4) helps to hold the rim lock down during this step.



13) After removing the Bead Hold Down Clamp, attach an inflation hose to the valve stem (core removed) and inflate to seat the tire beads onto the rim.



14) Remove the remote inflator, install the valve core and cap; tighten the rim lock nut. The tire is now ready for mounting on the vehicle.



If you have any questions regarding installation contact our toll free customer service department at 1-877-TIREBAL or email us at [info@tireballs.com](mailto:info@tireballs.com).

**High Performance *Flat-Proof* Inflation System**

**Tire Mounting Stands**

**Tire Irons**

**Motorcycle Bead Hold Down Clamps**

**ATV Bead Hold Down Clamps**

**Inflation Regulators**

**Adhesive Rim Liner**

**ATV Bead Lock Rim Stud Kit**

**Tire Ball Lubricant**

**Tire Bead Lubricant**

**Inflation Needle Lubricant**