



TIRE CHANGER



**AMR KART PRODUCTS
SOUTH BEND, IN**

Change your tires standing up

Introduction

- ◆ Our Tire Changer is designed to be kind to your rims as only plastic is contact the wheel. It does not matter how careful you are with metal tire irons, you can still damage you rims.
- ◆ The inside offset of the wheel is smaller than the outside. Therefor the inside of the wheel should be facing up when dismounting and mounting tires.

Stabilize the tire changer by standing on the horizontal legs of the stand, one foot on the rear and the other foot on the front.



Secure the wheel (inside of wheel facing up) to the tire changer by placing the mounting rod through the wheel hub opening and then down the tire changer stem.



Note, use a lubricating spray on the the locking handle occasionally to prevent galling of the screw threads

Tire dismounting



After deflating the tire and breaking the bead on each side, place the tire and rim on the changer. Slide the centering post into the tire changer and tighten the shaft locking handle. This will center the rim. Collapse one side of the tire so that the bead can be pushed into the narrow part of the wheel.

Use caution as the removal end of the tool is designed to be the weak point.



This allows the opposite side to move away from the wheel rim just enough to slip the plastic tire iron between the bead and rim,





Grasp the tire and by spinning the tire counter-clockwise and the tire iron clockwise the inside bead can be popped over the inside rim.



Pull the right outside bead into the narrow portion of the wheel. This will allow the left outside bead to move away from the wheel rim enough to pass the plastic tire iron between the rim and bead.

Force the tire iron as horizontal as you can against the rim of the wheel and pop the bead over the rim.



While pulling up on the tire rotate the tire iron clockwise against the center post. The tire should pop off the wheel.

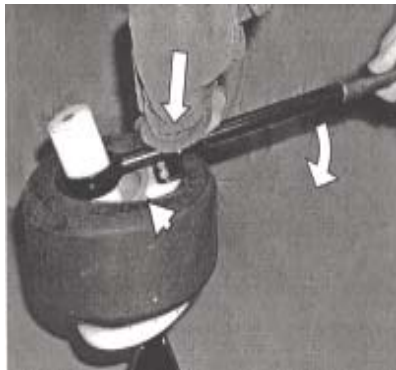
Tire Mounting

The outside bead of the tire is pressed over the inside of the wheel. The angle the bead approaches the rim is important and should be about 45 degrees. Lubrication spread around the bead and/or the rim can help but is not always necessary. Lean full body weight into the tire and give it a little twist if it does not slip on easily. Grasping the outer sidewall pulling it over the rim instead of pushing on the inner sidewall may help.

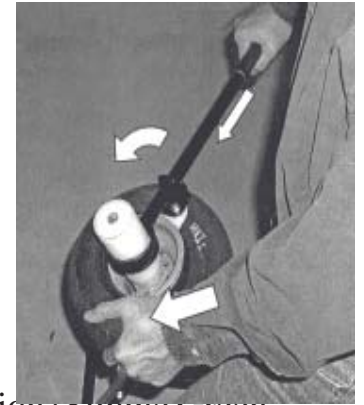


Pass the Tire Tool ring over the center post and force the small plastic shoe portion of the tire tool

By applying a downward force and a rotation force (large arrows) the lip of the Tire Tool shoe (small arrow) can be forced under the rim of the wheel.



Maintain force on the tire with the left hand (large straight arrow) while rotating the Tire Tool counterclockwise to force the tire bead under the rim of the wheel. Keep some inward pressure on the Tire Tool to maintain the plastic shoe under the rim of the wheel. Applying some lubrication (Simple Green, WD40, etc;) where the plastic shoe rides on the tire sidewall is of GREAT help.



Continue to rotate the Tire Tool Counterclockwise to force the tire onto the wheel. It is important to apply inward pressure (small straight arrow) to the Tire Tool so the plastic shoe does not slip out from under the wheel rim.

Before taking the wheel and tire off the changer make sure the sidewalls and tread are not collapsed, otherwise inflating the tire to seat the bead will be difficult. The tire can be straightened on the wheel by pushing on the opposite sides of the tread portion of the tire as you rotate the tire.

