

Turbo-Tire Changer

www.turbotirechanger.com

IMPORTANT: Tire Changer must be securely mounted.

Bead Breaking:

1. Deflate tire. If there are bead locks, remove them.
2. Place the tire onto the base with the backside of the wheel facing upwards.
3. If the wheel does not have bearings, place the cone onto the shaft to center the wheel. See Figure 1.
4. Place the bead breaker on top of the tire followed by the appropriate spacer. See Table 1.
5. Place nut onto shaft and screw down until both beads break. See Figure 2.

NOTE: It requires an average of 75in/lbs. of torque to break a bead. Most cordless drills are strong enough to break a bead. An air ratchet wrench, small impact, or wrench can also be used.

Tire Demounting:

1. Remove the wheel from the machine.
2. Rear wheel- Place the plate onto the base followed by the wheel with the backside facing upwards. See Figure 3.

Front wheel- Place the 3.5" spacer onto the base. Then place the plate on top of that followed by the wheel, backside facing up.

3. If the wheel does not have bearings, place the cone onto the shaft to center the wheel.
4. Put the appropriate spacer onto the shaft and secure with the nut. See Table 2.
5. Push the portion of the tire bead closest to you into the wheel's recess.
6. Insert the end of the lever marked 'L' between the tire and wheel at the point farthest from you so that the 'L' faces up.

NOTE: Lever 'R' can also be used, the 'R' would just need to face downwards.

7. Pull the lever back towards you so it rests flat on the surface of the wheel with the radiused recess in the lever mating with the spacer. See Figure 4.
8. Now rotate the lever clockwise around the tire while holding the tire in position.
9. To remove the other side, lift the tire and repeat steps 6-8.

Tire Mounting:

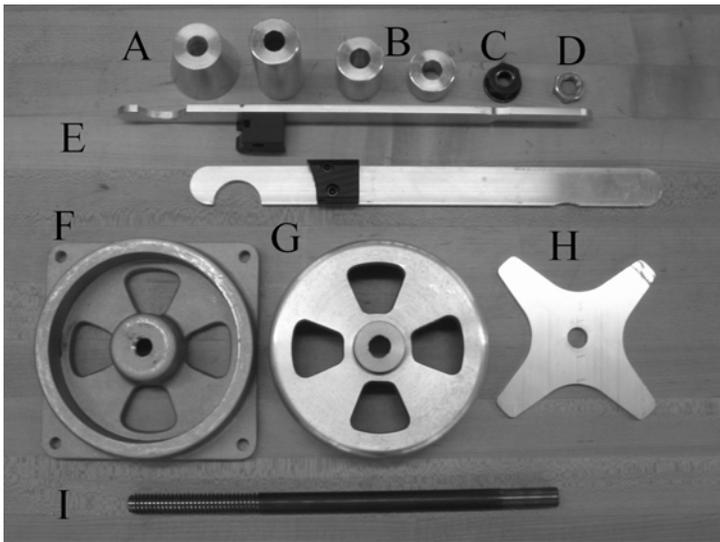
1. Perform steps 2-4 of the Tire Dismounting section.
2. Lubricate the bead area of the tire.
3. Place tire onto wheel at a 45° angle. Push it down and away until the lower bead is on the wheel. See Figure 5.
4. Move the top far edge of the tire towards you until the bead contacts the shaft.
5. Press down on the edge closest to you. Insert the lever marked 'R' on the right side of the shaft so that the groove in the nylon block is engaged with the lip of the wheel.
6. Now insert the lever marked 'L' parallel to and above lever 'R' on the left side of the shaft. Make sure the groove in the nylon block engages with the lip of the wheel.
7. Push the levers apart from each other until the tire bead slides over the wheel lip. See Figure 6.

Table 1

Tire Width	Spacer
4.5"	3.5"
6"	1"
7"	None
8"	None

Table 2

Wheel	Spacer
Front- w/bearings	1"
40mm bore	1"
55mm bore	1"+2"
Rear- 6"	1"+2"
7"	2"
8"	1"



- A – Cone Spacer
- B – Spacers: 3.5”, 2”, 1”
- C – ACME Nut
- D – Jam threaded nut
- E – Levers ‘R’ and ‘L’
- F – Base
- G – Bead Breaker
- H – Plate
- I – Shaft



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

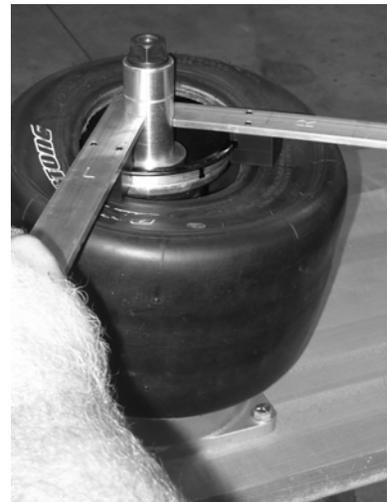


Fig. 6