

# SecondAir™



## Tyre bead locking system



- BEAD LOCKING SYSTEM FOR DEFLATING TYRES
- PNEUMATIC
- LIGHTWEIGHT
- EASY TO FIT
- DOES NOT AFFECT WHEEL BALANCE
- BOTH BEADS OF THE TYRE SECURED
- NO SPECIAL RIMS REQUIRED
- MAXIMISES YOUR TYRES FULL POTENTIAL
- PROTECTED BY THE TYRE FROM TERRAIN & WEATHER
- LONG LASTING
- ROAD LEGAL
- 12 MONTH WARRANTY



## Mounting Instructions

The only modification required is the drilling of an additional hole in the rim. This system will fit most one piece steel rims.

## SecondAir™ Preparation Helpful Hints

The extra hole (16mm 5/8th) for the beadlock tube valve should be drilled 150mm (6") from the original valve hole. Drill the hole inboard as far as practicable, this will depend on your wheels offset.

Figure 1

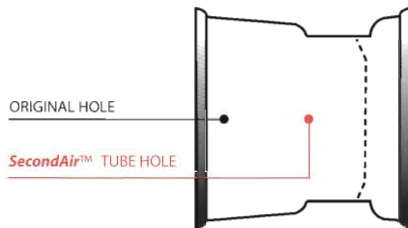
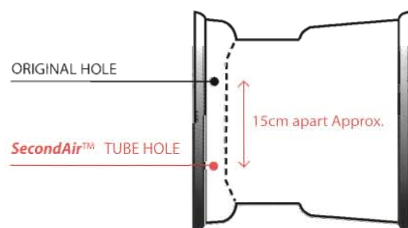


Figure 2



NOTE: If you intend to drill the hole at the halfway mark of your rims width (see figure 1) (e.g. 8" wide rim, drill hole 4" in from wheel rim edge), ask for the centre valved tube.

Flatter areas of your wheel rim are the best place for drilling your second valve hole, **tight radius curves should be avoided**. Make sure the hole is smooth and free of burrs.

Clean the rims sealing edges (where the tyre bead contacts the rim) with a wire brush to remove dirt and flaking paint etc. Check inside the tyre and the outer part of the bead for any foreign body that could cause problems for the tube or sealing of the tyre bead.

## SecondAir™ Mounting Instructions

1. Fit the special valve to the original valve hole and tighten.
2. Mount the inner tyre bead to the wheel rim.
3. Lightly dust the tube and the inside of the SecondAir™ casing with the powder supplied.
4. Mount one side of the SecondAir™ casing making sure the side with 2 tabs is facing out. DO NOT use tyre levers etc. Position the 2 tabs near the special valve.

5. Fit the tube inside the SecondAir™ with the valve in the new drilled hole and secure with the brass nut.
6. Fit the other sideskirt of the SecondAir™ casing over the rim. **Make sure the 2 tabs are positioned on either side of the special valve.** The tabs and fabric flap need to be **folded inwards** under the bead of the casing between the rim and tube. Ensure the tube is completely tucked in and not showing near the SecondAir™ bead.
7. Tighten valve brass nut ensuring O-ring is central and covered by concave washer. If O-ring is forced out when tightening, loosen nut, pull valve in direction of area where O-ring was showing and re-tighten.
8. Inflate the tube (approx 2 psi (14 kpa), look inside the tyre and check with your hand that the SecondAir™ casing is even and centrally located and the tube is not visible.
9. Let the air out, mount the remaining bead of the tyre.
10. Depress tyre bead near special valve to ensure the 2 tabs are inside the tyre and not caught between edge of rim and bead.
11. Inflate to 12-18 psi (83-124 kpa) the SecondAir™ to assist in seating the tyre beads. (Remember Brass nut is the **B**eadlock)
12. Inflate the tyre via the special valve to 12-18 psi (83-124 kpa)
13. Inflate the SecondAir™ to 2 psi (14 kpa) above the normal road pressure.
14. Inflate the tyre to normal road pressure.
15. Check for leaks.

## Recommendations

- A. For normal on-road driving keep SecondAir™ beadlock at 2 psi (14 kpa) above the tyres normal pressure.
- B. For off-road use lower the tyre to the desired pressure. Always maintain the SecondAir™ at the normal on- road pressure.
- C. Never lower SecondAir™ pressure below 34psi (234 kpa) or above 48psi (330 kpa)

## In conclusion

With SecondAir™ properly installed you will have many years of trouble free 4 wheel driving enabling you to travel with confidence knowing your tyres are firmly beadlocked to your rims.

Your tyres real potential will have been realised by increasing your tyres footprint from 20-55%.

## Caution

Beadlock Australia P/L cannot be held liable for SecondAir™ units being incorrectly installed and/or misused in a manner they were not intended. Vehicles driven with low tyre pressures can be less predictable in their on/offroad handling, drive accordingly.



Beadlock Australia P/L  
Ringwood, Victoria, Australia  
Phone 03 9876 1511 Fax 03 9876 1194  
Email [beadlockaustralia@bigpond.com.au](mailto:beadlockaustralia@bigpond.com.au)  
Ring for your nearest distributor

