



THANK YOU FOR YOUR PURCHASE!

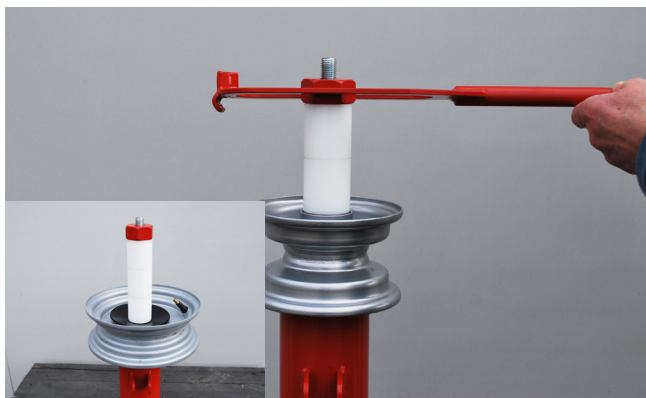
Made in the UK, **THE COMPACT** – is a simplified version of the MTC811. Operating on the same well-recognised centre post principle. Designed to provide for workshops which already have a bead-breaking facility.

Designed for tyres with a wheel diameter of 4" to 8". Accepts bearing type wheels down to 16mm ID bore size.



» INSTALLATION

It is essential that the tyre changer is bolted down very securely to a solid work surface, ideally around 700mm off the ground. The main body should be fixed 300mm from the edge of the work surface.



» WHEEL CLAMPING

Method of clamping the two wheel types is as follows:

- 1) Wheels with bearings. Place 1-3 white plastic bushes over the centre post before clamping down with the clamp nut using the tyre changing bar as a spanner.
- 2) Wheels with bolt holes and a large centre hole are treated exactly the same, apart from the inclusion of the cone piece under the plastic bushes to captivate the wheel.



OPTION 1



OPTION 2

» TYRE REMOVAL

- 1) Un-seat beads.
- 2) Lubricate bead areas with tyre soap.
- 3) Place the wheel over the centre post, ensuring the narrower bead seat is uppermost (if applicable).
- 4) Clamp wheel (as above).
- 5) Push down on the tyre until there is enough room to insert the bar at the end of the bar under the bead, in the vicinity of the tyre valve and lever the tyre up above the rim.
- 6) Hold the tyre to prevent turning, and ensure the bead on the opposite side to being raised is pressed down into the well. Pull the bar around the post, rotating until the bead is totally removed. **Note: The tyre lever may be used if need be, in conjunction with the bar, to help prevent the tyre from slipping round.**
- 7) Lift the tyre up, remove the inner tube if fitted, and repeat the procedure for the lower bead.

» TYRE FITTING

- 1) Lubricate both beads and wheel rims with tyre soap.
- 2) Clamp the wheel with the narrow bead seat uppermost.
- 3) Install a tubeless valve if applicable.
- 4) Place the lower bead of the tyre firmly over the upper wheel rim and according to the width of the tyre being fitted, using the Tyre Changing Bar (Option 1) or the Tyre Lever (Option 2 – used however works best), prise the bead over the rim, ensuring that as much as possible of the bead is down in the well of the wheel during the operation. **Note: Position the valve such as to be where the bead is installed last – if a tubeless valve is fitted.**
- 5) Install an inner tube if appropriate.
- 6) Mount the second bead in the same way, using the tyre changing bar and observing the same rules.



OPTION 3

» BEAD SEATING

Tube-type tyres – Steadily inflate to seat the beads, watching that the tube is not pinched in the bead area and that beads are positioned uniformly around the rim.

Tubeless tyres – Remove the valve core, and using an airline with maximum pressure, inflate until the beads are both seated.

WARNING: This operation is potentially very dangerous. Maximum seating pressures should be respected. Watch for an imbalance of bead positioning. Tyre inflation cage recommended.

Bead seating often presents problems with tubeless tyres, even to experienced tyre fitters. Techniques include:

- a. Simply roll the tyre around the whole attached to the airline.
- b. Placing a strap around the perimeter of the tyre and tightening it – anything to assist the bead in making contact with the wheel.
- c. Blasting a large volume of air into the tyre via the bead area with a very effective specialist piece of equipment called a Bead Booster. This piece of equipment is used while the airline is attached and supplying air into the un-seated tyre. Many tyres are successfully seated in this way by tyre fitters worldwide. Bead Boosters are part of the range of equipment from Redstone.

Having seated the tyre correctly, all that remains is to inflate it, preferably to a maximum permitted pressure initially, to ensure a good seal and then adjust to the desired working pressure. **Note:** Tyres increase in size immediately on inflation, and for this reason, a slight drop in pressure will be experienced at first.

Note: A recently developed clip-on tyre inflator is now available from Redstone – please enquire.