



# TYRE CHANGER - PNEUMATIC/MANUAL OPERATION

MODEL NO: **TC962.V2**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual



Wear eye protection



Wear ear protection



Wear safety footwear



Warning:  
Crushing of hands



Wear protective gloves

## 1. SAFETY

- ☐ **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment. Under Health and Safety Law, Employers and Self Employed Personnel have a legal duty to ensure Safe Working Conditions for all employees and personnel that may come into contact with this equipment. In particular they must carry out a specific risk and hazard assessment in the workplace to eliminate or reduce any risk found and must record, update and retain records of the results of this inspection.
- ✓ Familiarise yourself with the applications, limitations and any possible or potential hazards of the tyre changer.
- ✓ Maintain the tyre changer in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ☐ **WARNING!** Check regularly for damaged parts. Any part that is damaged must be repaired or replaced before the equipment is next used.
- ✓ Locate the tyre changer in a suitable work area, keep area clean, tidy and free from unrelated materials. Ensure that there is adequate lighting.
- ☐ **WARNING!** Use on a level surface, preferably concrete, to which the tyre changer must be bolted.
- ✓ Keep the tyre changer clean for best and safest performance.
- ✓ Keep hands and feet well clear of the bead breaker.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip safety shoes.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery and contain and/or tie back long hair.
- ✓ Keep children and unauthorised persons away from the work area.
- ✗ **DO NOT** use the tyre changer for any purpose other than that for which it is designed.
- ✗ **DO NOT** operate the tyre changer if any parts are damaged or missing as this may cause failure and/or personal injury.
- ✗ **DO NOT** allow untrained persons to operate the tyre changer.
- ✗ **DO NOT** stand on the tyre changer.
- ✗ **DO NOT** operate the tyre changer when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ☐ **WARNING!** Ensure correct air pressure is maintained and not exceeded. Recommended maximum pressure 150psi (10.3 bar).
- ☐ **WARNING!** Disconnect the tyre changer from the air supply before changing accessories, servicing or performing any maintenance.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use, and ensure that all connections are secure.
- ✗ **DO NOT** pull the hose from the air supply.
- ✗ **DO NOT** direct air from the air hose at yourself or others.
- ✓ When not in use ensure the air supply is turned off.

## 2. INTRODUCTION

Heavy steel construction. Pneumatic bead breaker. Suitable for use on most automotive/light commercial open centred wheels. Features an additional air line coupling tyre inflator / accessory. Supplied with standard tyre bar and PCL couplings.

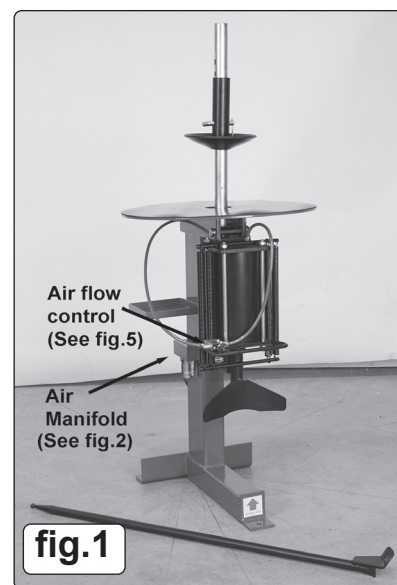
To prevent damage to the rims of alloy wheels, it is essential to use a TC963 Tyre Bar.

## 3. SPECIFICATION

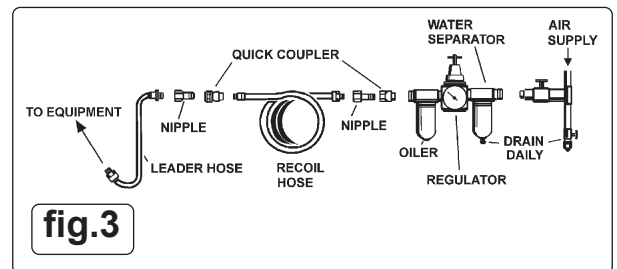
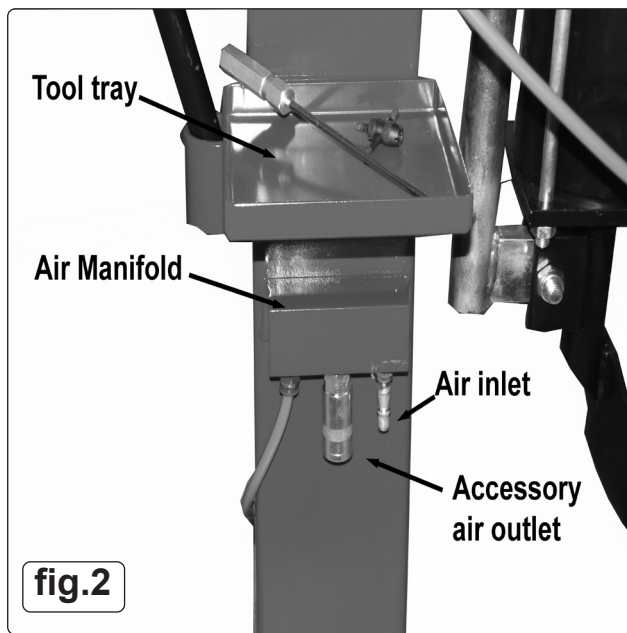
Model no. .... TC962  
Working Pressure..... 100psi  
Maximum Pressure ..... 150psi  
Wheel Diameter (Minimum/Maximum) ..... 203 / 460mm  
Wheel Depth (Minimum/Maximum) ..... 40 / 300mm  
Working Height ..... 800mm  
Tyre Bar for Aluminium Wheels (Optional) ..... TC963

## 4. AIR SUPPLY

- 4.1. Ensure the air valve (fig.5) is in the "off" position before connecting to the air supply.
- 4.2. Ensure an air pressure of between 100 and 150psi.
  - ☐ **WARNING!** Ensure that the air supply is clean and does not exceed 150psi. Too high an air pressure and/or unclean air will cause excessive wear and may cause damage and/or personal injury.
- 4.3. Drain the air tank daily. Water in the air line will damage the tyre changer.



- 4.4. Clean the compressor air inlet filter screen weekly. The recommended hook-up is shown in fig.3.
- 4.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres).
- 4.6. Keep hose away from heat, oil and sharp edges. Check hoses for wear and make certain that all connections are secure.



## 5. OPERATION

The **TC962** Tyre Changer is air operated. It is designed for removing/fitting tyres from/to most sizes of open-centre wheels (see Section 3 Specifications). **DO NOT** use the tyre changer for any other purpose.

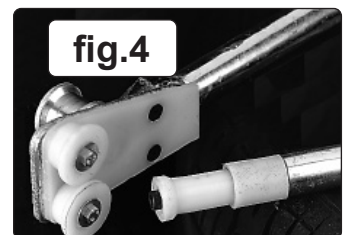
**Alloy Wheels.** If tyres are to be changed on aluminium wheels the optional tyre bar, Sealey model no. **TC963** (fig.4), must be used to prevent damage to the wheel rims (See fig.4). Use a rim shield to protect the wheel finish when levering a bead over the wheel rim.

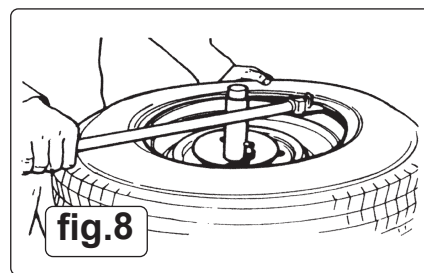
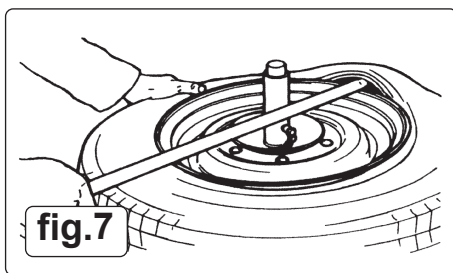
**IMPORTANT! Never attempt to fit or remove a tyre without first lubricating both beads.**

- 5.1. **BEAD BREAKING** (For 406mm wheels refer to section 5.4)
  - 5.1.1. Deflate the tyre fully and remove all balance weights.
  - 5.1.2. Place the wheel under the bead breaker, locating the rim as indicated. Position the bead breaker ram so that the spade is under the rim flange (fig.6).
 

**NOTE:** Before operating breaker place one foot on the wheel, opposite the spade, to prevent wheel 'KICK-UP'.
  - 5.1.3. Open the air valve (fig.5) slightly to lower the spade - **DO NOT** use full pressure. Check that the spade is firmly set on the tyre bead, close to the rim and then increase the pressure gradually until the bead breaks free.
  - 5.1.4. Rotate the wheel and repeat around the rim until the whole bead is free.
  - 5.1.5. Turn wheel over and repeat to free the other bead.
- 5.2. **TYRE REMOVAL**
  - 5.2.1. Lubricate both tyre beads with an approved rubber lubricant.
  - 5.2.2. Remove the wheel retaining cone from the centre post.
  - 5.2.3. Place the cone onto the rubber mat on the stand **with the narrow bead seat uppermost**.
  - 5.2.4. Replace cone over centre post and fit locating pin through post and both sides of cone tube. (Precautions should be taken to protect the finish of an alloy wheel from the pressure exerted by the cone).
  - 5.2.5. Activate the bead breaker slowly - this will pull down the centre post and so clamp the wheel.
 

❑ **WARNING!** Make sure that feet and legs are clear of the spade when carrying out this operation.
  - 5.2.6. Insert the ball end of the tyre bar beneath the top bead and press the opposite side of the bead down into the wheel well.
  - 5.2.7. Lever the bar against the cone tube and rotate the bead over the rim (fig.7).
  - 5.2.8. If a tube is fitted, remove it.
  - 5.2.9. Lift the tyre up and repeat the procedure for the lower bead.
- 5.3. **TYRE FITTING**
  - 5.3.1. Lubricate both tyre beads with an approved rubber lubricant.
  - 5.3.2. Mount and lock the wheel to the stand as in 5.2.2. to 5.2.5.
  - 5.3.3. Place the lower bead of the tyre over the wheel rim and insert the fitting head of the tyre bar between the bead and the rim with the bead on the ledge of the fitting head.
  - 5.3.4. Lever the bar against the cone tube and rotate the bead over the rim (fig.8).
  - 5.3.5. Fit a tube if appropriate and then seat the upper bead in the same manner.



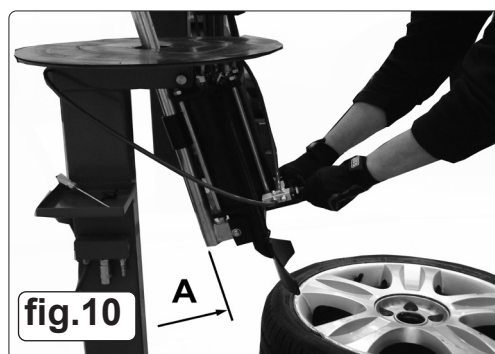


#### 5.4. BEAD BREAKING ON 406mm WHEELS.

With a 406mm wheel resting on the tyre changer foot there is insufficient clearance at 'X' in fig.9 to access the tyre bead. To remedy this situation refer to fig.10. Butt the tyre up against the end of the tyre changer foot, take hold of the handle on the ram mechanism and pull it away from the main support so it is at an angle as shown at fig.10-'A', with the spade close to the bead.

**NOTE:** Before operating breaker place one foot on the wheel, opposite the spade, to prevent wheel 'kick-up'.

Position the bead breaker ram so that the spade is under the rim flange. Open the air valve slightly to lower the spade - **DO NOT** use full pressure. Check that the spade is firmly set on the tyre bead, close to the rim and then increase the pressure until the bead breaks free. To proceed refer back to section 5.2.



#### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.

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