

# INSTALLATION & OPERATION MANUAL



## TC255 No Touch Tire Changer Single Phase



**Atlas Automotive Equipment**  
[www.atlasautoequipment.com](http://www.atlasautoequipment.com)  
(866) 898-2604

**Read this entire manual before operation begins.**

Record below the following information which is located on the serial number data plate.

Serial No. \_\_\_\_\_

Model No. \_\_\_\_\_

Date of Installation \_\_\_\_\_

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## Printing Characters And Symbols

Throughout this manual, the following symbols and printing characters are used to facilitate reading:

	Indicates the operations which need proper care
	Indicates prohibition
	Indicates a possibility of danger for the operators
<b>BOLD TYPE</b>	Important information

	<b>WARNING: before operating the machine, read carefully Chapter 7 <i>Installation</i> where all proper operations for a better functioning of the machine are shown.</b>
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# Introduction

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## 1.1 Introduction

Thank you for purchasing an Atlas tire changer. The machine has been manufactured in accordance with the very best quality principles. Follow the simple instructions provided in this manual to ensure the correct operation and long life of the machine. Read the entire manual thoroughly and make sure you understand it.

## 1.2 Machine Identification Data

A complete description of the "Tire Changer Model" and the "Serial number" will make it easier for our technical assistance to provide service and will facilitate delivery of any required spare parts. For clarity and convenience, we have inserted the data of your tire changer in the box below. If there is any discrepancy between the data provided in this manual and that shown on the plate fixed to the tire changer, the latter should be taken as correct.

<b>LOGO</b>		
Type:		
Volt:	Amp:	Kw:
Ph:	Hz:	
Year of manufacturing:		
Air supply: 8-10 bar (115 – 145 PSI)		

## 1.3 Manual keeping

For a proper use of this manual, the following is recommended:

- Keep the manual near the machine, in an easily accessible place.
- Keep the manual in an area protected from the damp.

- Use this manual properly without damaging it.
- Any use of the machine made by operators who are not familiar with the instructions and procedures contained herein shall be forbidden.

This manual is an integral part of the product: it shall be given to the new owner if and when the machine is resold.



**The illustrations have been made out of prototypes pictures. It is therefore possible that some parts or components of standard production differ from those represented in the pictures.**

## 1.4 General Safety Precautions



**The tire changer may only be used by specially trained and authorized expert personnel.**

- Any tampering or modification to the equipment carried out without the manufacturer's prior authorization will free him from all responsibility for damage caused directly or indirectly by the above actions.
- Removing or tampering with safety devices immediately invalidates the guarantee.
- The tire changer comes complete with instruction and warning transfers which are designed to be long-lasting. If they should for any reason be damaged or destroyed, please ask immediately for replacements from the manufacturer.

## 1.5 Scrapping

When your machine's working life is over and it can no longer be used, it must be made inoperative by removing any connection to power sources.

These units are considered as special waste material, and should be broken down into uniform parts and disposed of in compliance with current laws and regulations.

If certain parts are pollutants or non-biodegradable, deliver them to the appropriate handling station.

## To The Reader

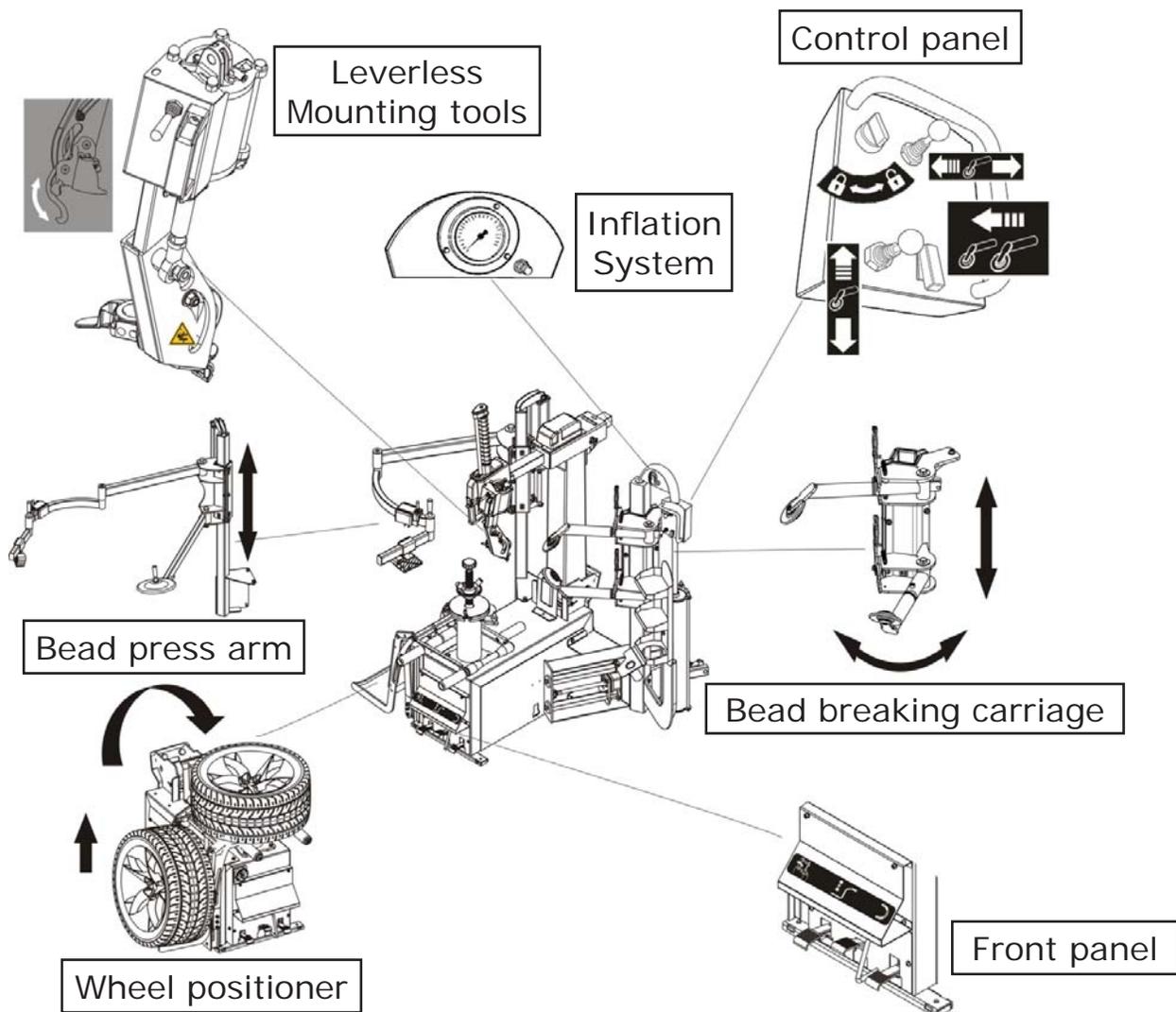
Every effort has been made to ensure that the information contained in this manual is correct, complete and up-to date. The manufacturer is not liable for any mistakes made when drawing up this manual and reserves the right to make any changes due the development of the product, at any time.

# General Information

## 2.1 Intended Use

- This automatic tire changer has been designed and manufactured exclusively for removing and mounting tires from/onto rims from 10" to 30" and a maximum diameter of 47".
- In particular **THE MANUFACTURER** cannot be held responsible for any damage caused through the use of this tire changer for purposes other than those specified in this manual, and therefore inappropriate, incorrect and unreasonable.

## 2.2 Description Of Machine



## 2.3 Description Of Controls

### 2.3.1 Pedals On Front Panel

#### PEDAL "L"

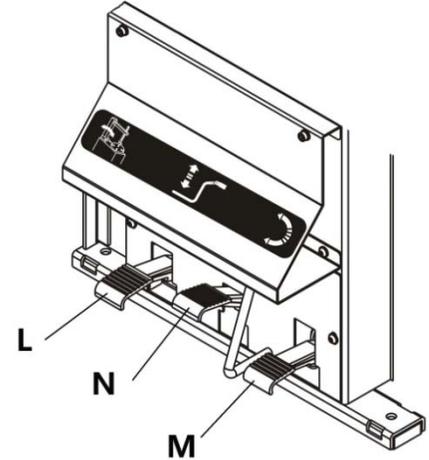
This pedal is used to tilt back the vertical arm out of the working position.

#### PEDAL "M"

This pedal is used to rotate the spindle clockwise or anticlockwise, in slow or fast rotation mode.

#### PEDAL "N"

This pedal is used to lift the tire from the ground onto the spindle flange or lower it back down to the ground.



### 2.3.2 Control Panel

#### SELECTOR "A"

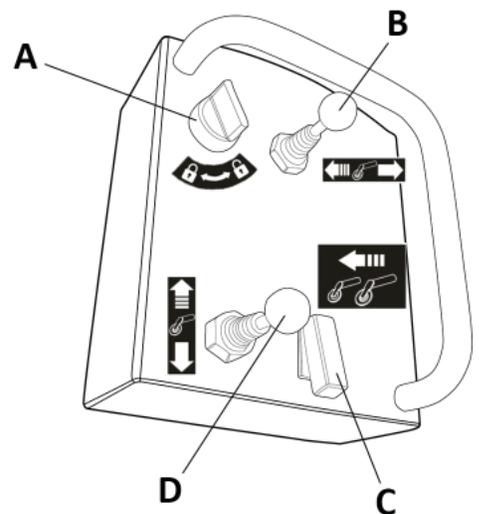
- When it is selected into LOCKING position, the horizontal movement of the bead breaker carriage is restricted, and in the meantime the button (C) is activated.
- When it is selected into UNLOCKING position, the bead breaker arm can have the normal movements horizontally.

#### CONTROL LEVER "B"

- When it is pushed leftwards, the bead breaker carriage moves forwards.
- When it is pushed rightwards, the bead breaker carriage moves backwards.

#### BUTTON "C"

- This button works only when the selector (A) is set in LOCKING position.
- When it is pressed, the bead breaker carriage makes an over stroke: moves forwards about 1".
- When it is released, the bead breaker carriage moves back to the initial position automatically.



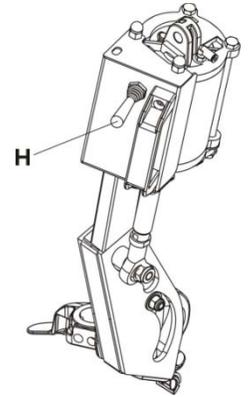
## CONTROL LEVER "D"

- When it is pushed upwards, the bead breaker arm moves upwards.
- When it is pushed downwards, the bead breaker arm moves downwards.

### 2.3.3 Leverless Mounting Tools

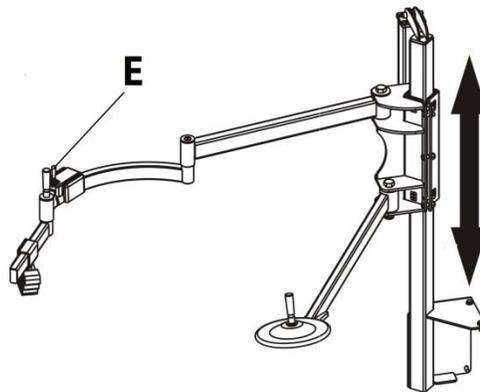
## CONTROL LEVER "H"

- When it is pushed downwards, the tool is out of its seat and moves downwards.
- When it is pushed upwards, the tool moves back in position.



### 2.3.4 Bead Press Arm

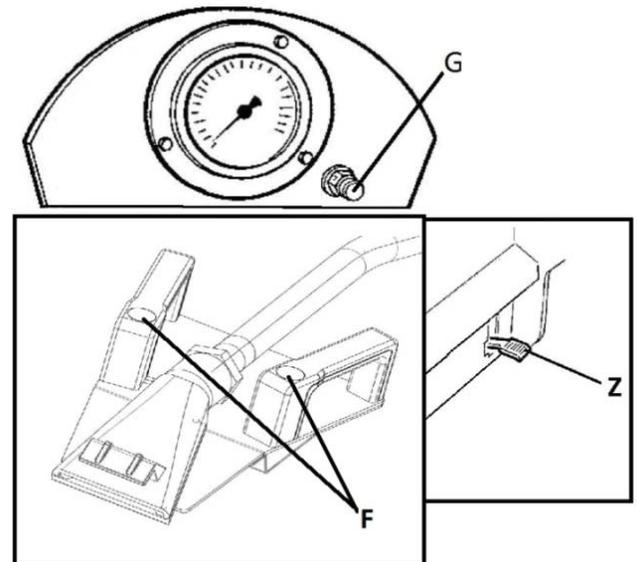
The bead press arm is used to facilitate mounting and demounting the run-flat tire. It can be moved upwards and downwards by means of the control lever (E).



### 2.3.5 GT Inflation System

The GT inflating system consists of the gauge, the tire deflation button (G) and the quick blasting device.

- To inflate the tire, press the pedal (Z) at side of the machine.
- During inflation, if the pressure exceeds the value recommended by the tire manufacturer, press the button (G) to deflate the tire.
- To make the quick blaster, position the blasting nozzle towards the rim center just under the rim lip and press the buttons (F).





## 2.5 Technical Specification

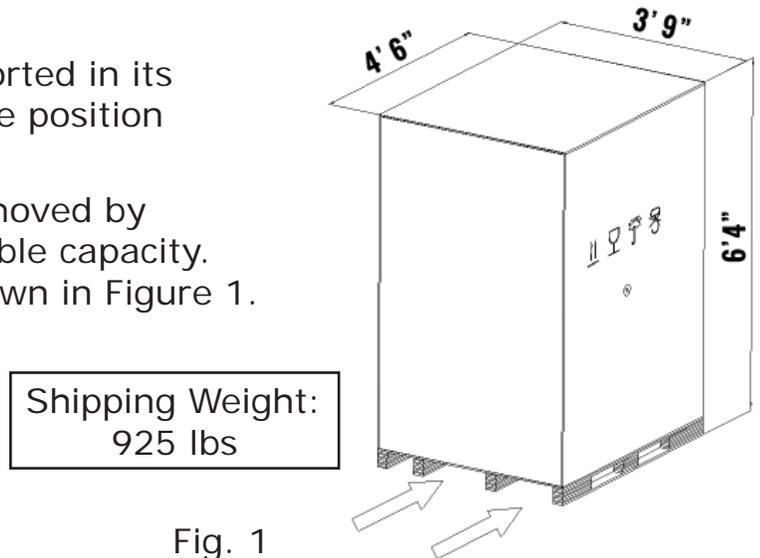
Handle rims from	10" – 30"
Max. tire diameter	47" (1200mm)
Max. tire width	15" (390mm)
Max. bead breaking force	2700 lbs force (12000N)
Max. lifting capacity	176 lbs
Working pressure	145 psi (10 bar)
Inflating pressure device max.	50 psi (3.5 bar)
Power supply voltage	220V/1Ph
Motor power	0.8kw for 220V/3Ph
Rotating speed	6 – 12 rpm
Max spindle torch	885 ft/lbs (1200 NM)
Packing dimension	53" x 55" x 82"
Shipping weight	925 lbs
Noise level in working condition	< 70 dB (A)

# Transportation, Unpacking And Storage

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## 3.1 Transportation

- The tire changer must be transported in its original packaging and kept in the position shown on the package itself.
- The packaged machine may be moved by means of a fork lift truck of suitable capacity. Insert the forks at the points shown in Figure 1.



## 3.2 Unpacking

- Remove the protective cardboard and the nylon bag.
- Check that the equipment is in perfect condition, making sure that no parts are damaged or missing. Use fig. 1 for reference.



**If in doubt do not use the machine and contact your retailer.**

## 3.3 Storage

In the event of storage for long periods of time, be sure to disconnect all sources of power and grease the clamp sliding guides on the turntable to prevent them from oxidizing.

# Installation

## 4.1 Space Required



**When choosing the place of installation, be sure that it complies with current safety at work regulations.**

- The tire changer must be connected to the main electric power supply and the compressed air system. It is therefore advisable to install the machine near these power sources.
- The place of installation must also provide at least the space shown in pictures 2 - 2/A so as to allow all parts of the machine to operate correctly and without any restriction.
- If the machine is installed outside it must be protected by a protective shelter.



**The tire changer with electric motor cannot be used in explosive atmospheres, unless it is a proper version.**

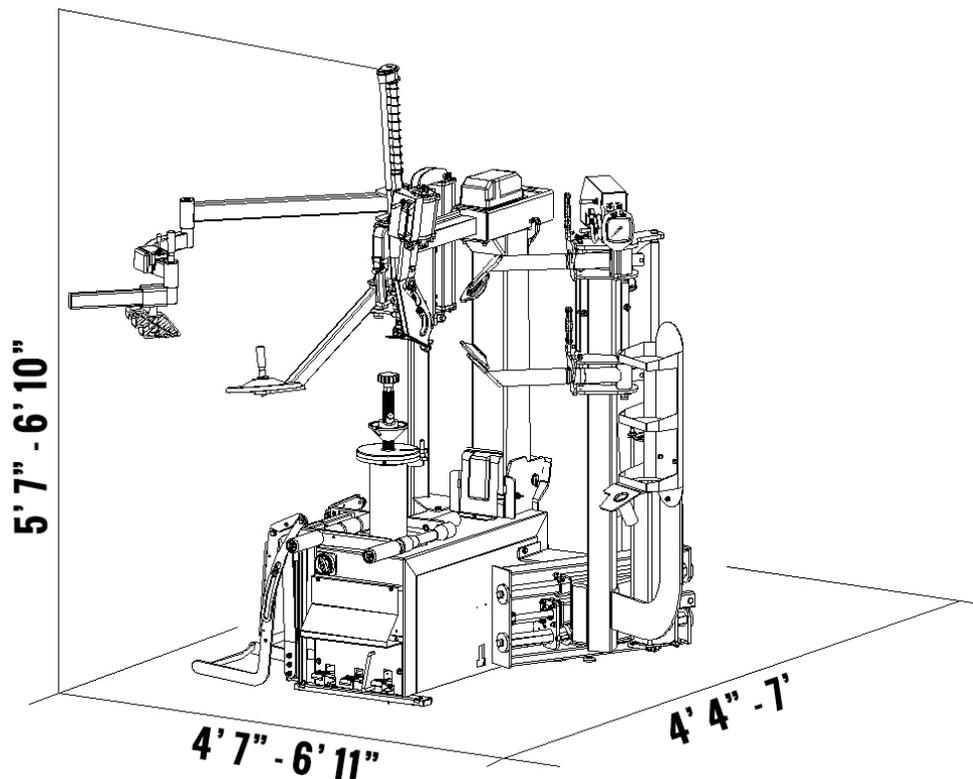


Fig. 2

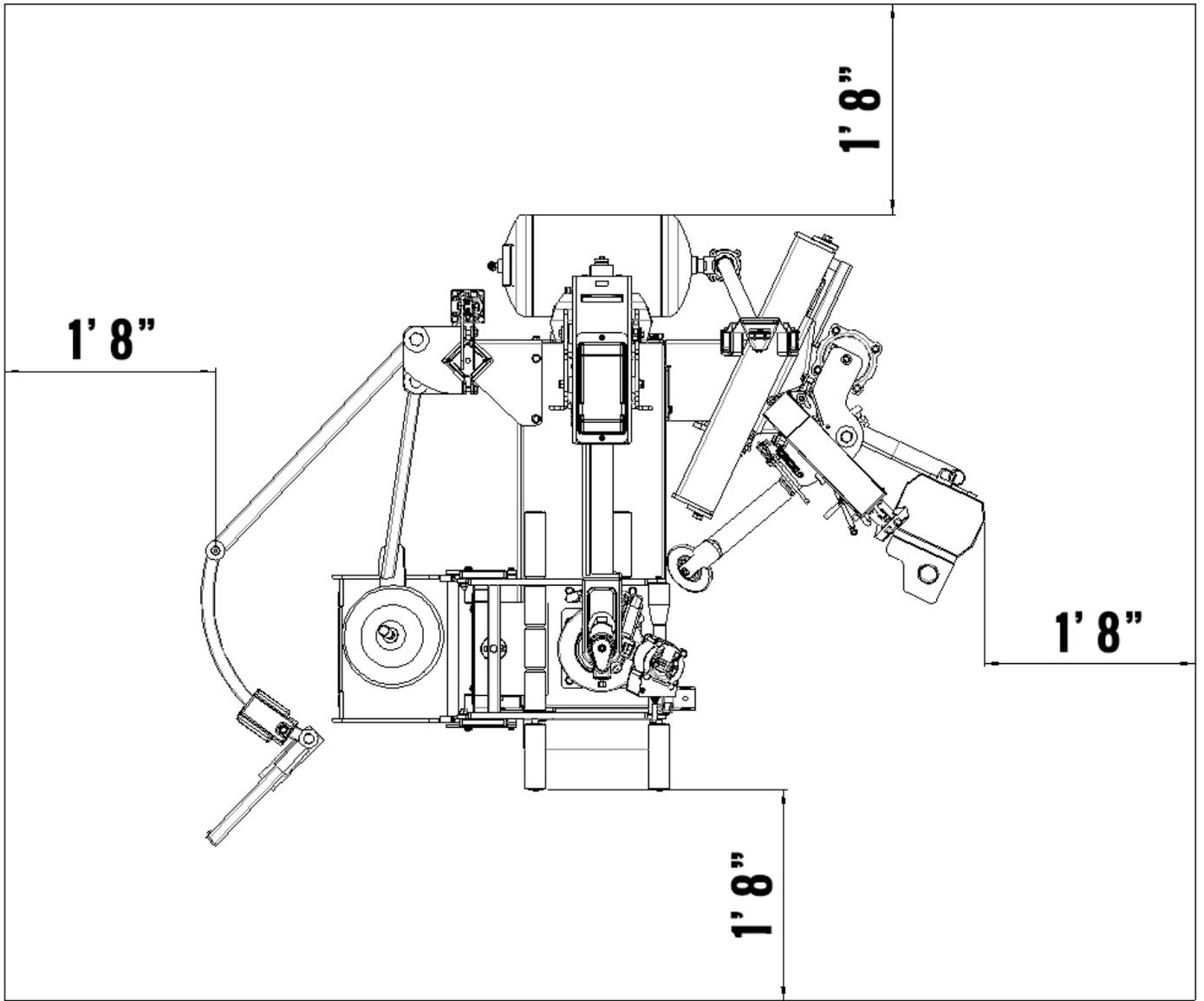


Fig. 2/A

## 4.2 Parts Assembly

### 4.2.1 Adjustment of control panel position (ref. fig. 3)

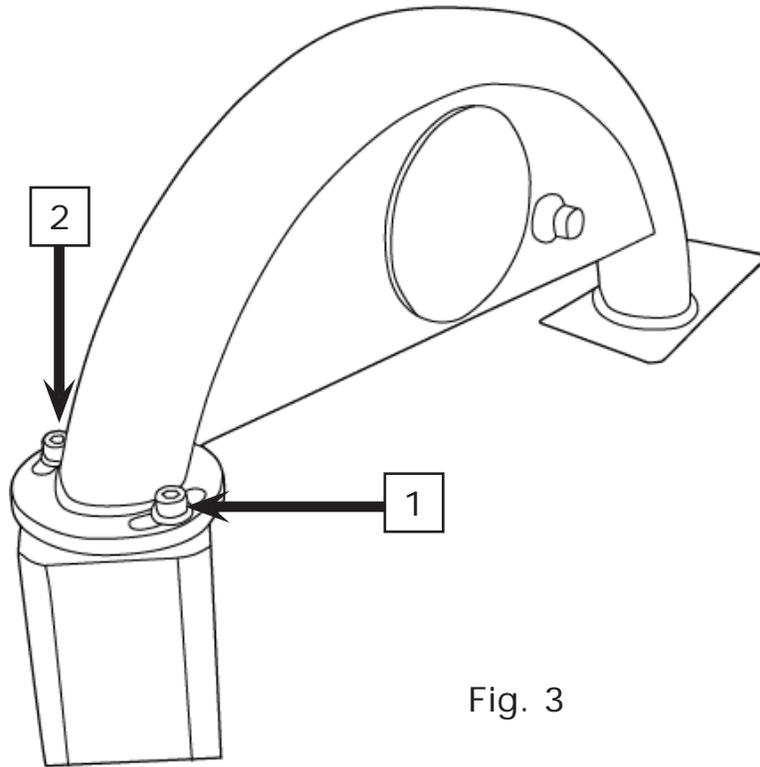


Fig. 3

- Loosen screws (1) and (2) slightly, then swing the control panel forward or backward.
- Tighten the screws after repositioning.

## 4.2.2 Installation of tool tray (ref. fig. 4)

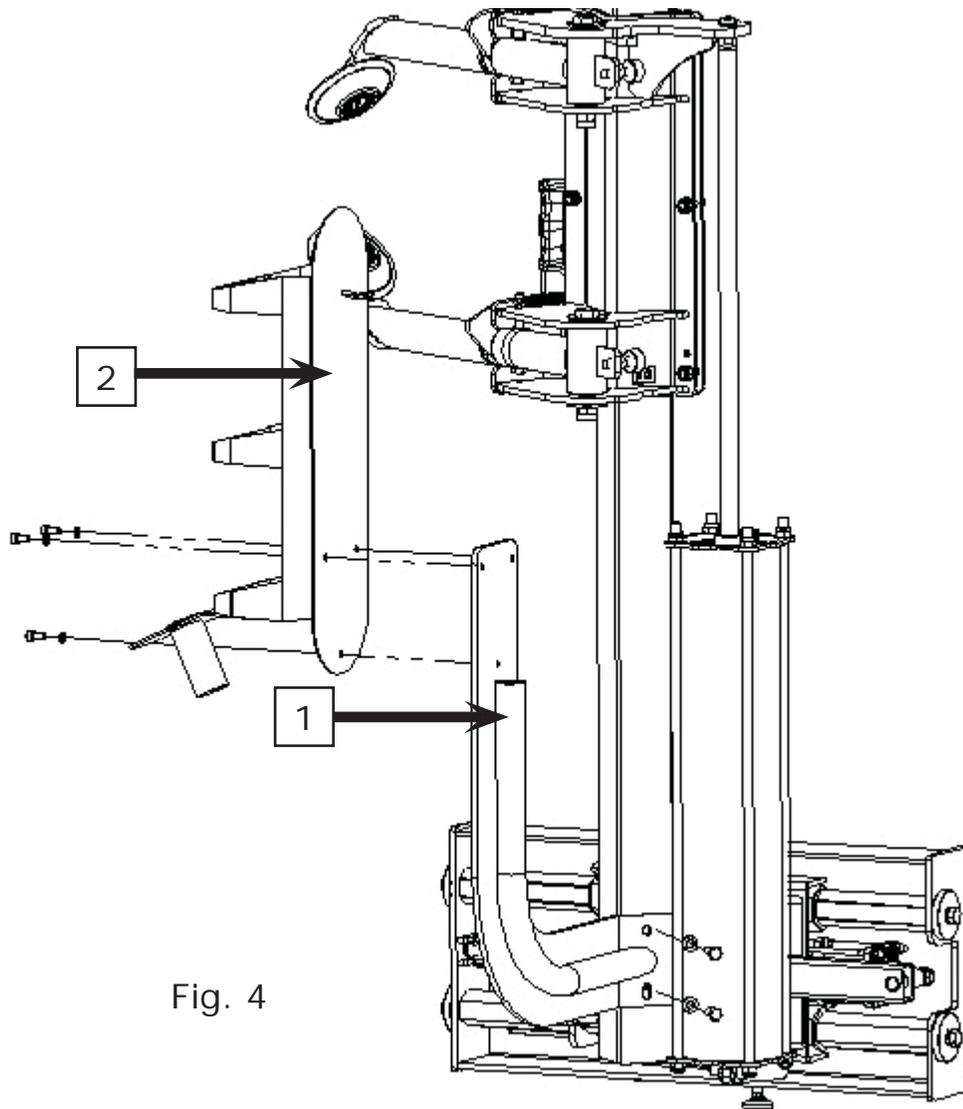


Fig. 4

- Install the support (1) onto the bead breaking arm using the supplied screws and washers as shown in the figure 4, and then tighten the screws;
- Install the tool tray (2) onto the support (1) using the supplied screws and washers as shown in figure 4, and then tighten the screws.

### 4.2.3 Mounting and connecting the GT tank (ref. fig.5)

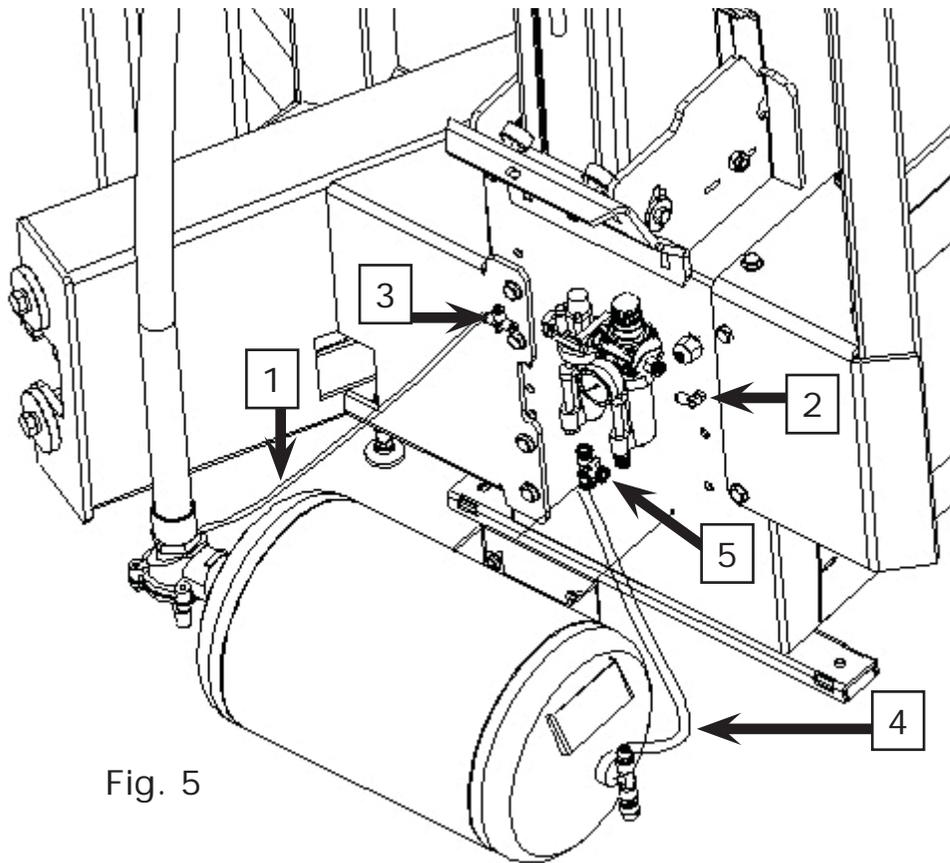


Fig. 5

- Fix the tank on the back side of the machine body using the proper screw as shown in the figure 5;
- Connect the hose (1) protrudes from the GT pipe to the machine through the elbow union (2) and the T union (3);
- Connect the hose (4) to the T union (5) situated in the lubricator.
- Connect the hose (4) to the tank through the proper union.

## 4.3 Commissioning

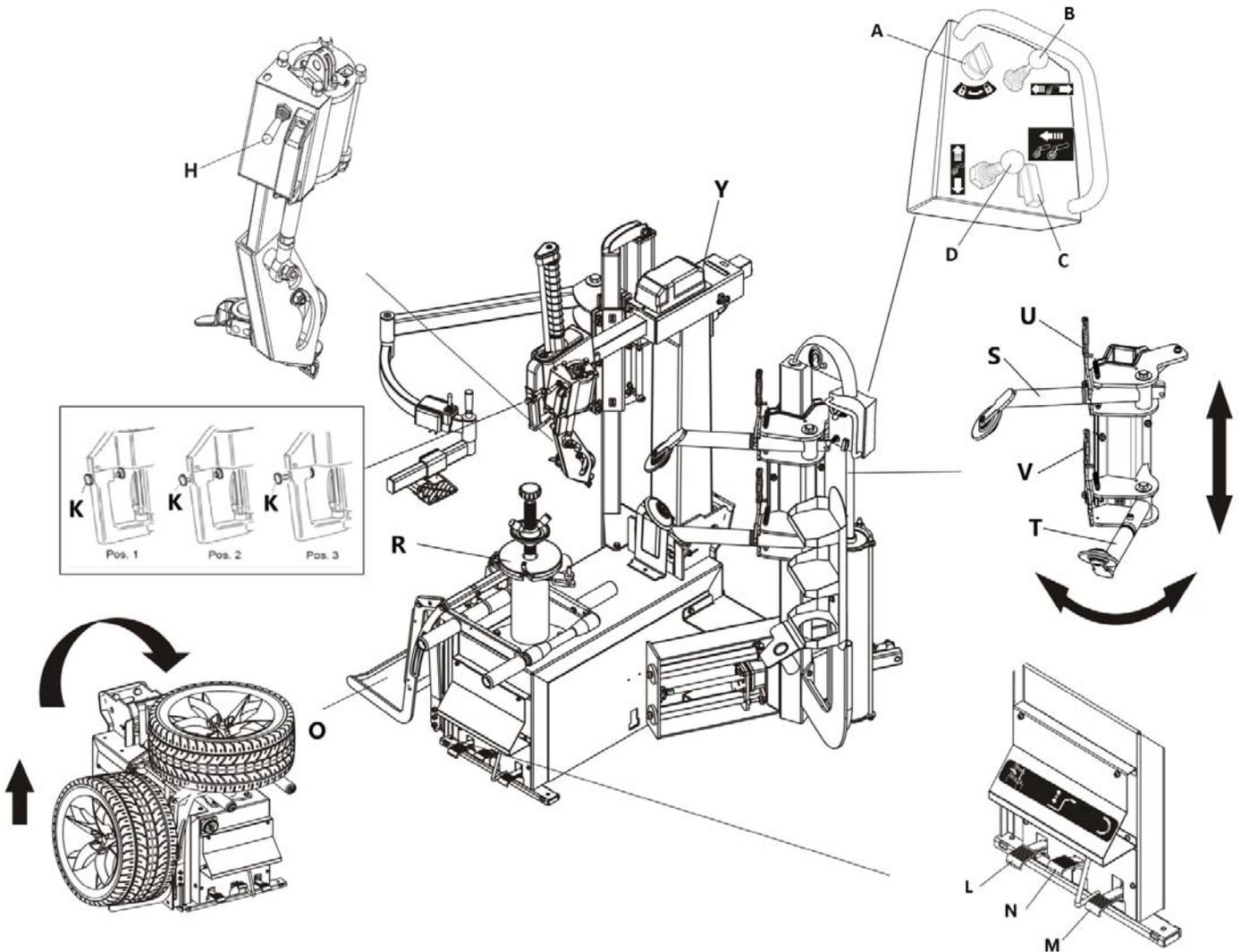
	<p><b>Any electric connection job must be carried out by professionally qualified personnel.</b></p> <p><b>Make sure the connection of the phases is right. Improper electrical hook-up can damage motor and will not be covered under warranty.</b></p> <p><b>Connect the machine to the electric network, which must be provided with line fuses, a good earth plate in compliance with regulations in force and it must be connected to an automatic circuit breaker (differential) set at 30 mA.</b></p> <p><b>Should the tire-changer be lacking in electric plug, the user must set one, which is at least 16 A and which conforms to the voltage of the machine, in compliance with the regulations in force.</b></p>
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- Connect the machine to the electric mains. Check to make sure the characteristics of your systems correspond to those required by the machine.
- Connect the machine to the compressed air system by means of the air filer/lubricator that protrudes from the rear section.

## 4.4 Operating Tests



The testing procedure must be performed without using a tire, making sure that no other parts of the machine interfere with the movements.



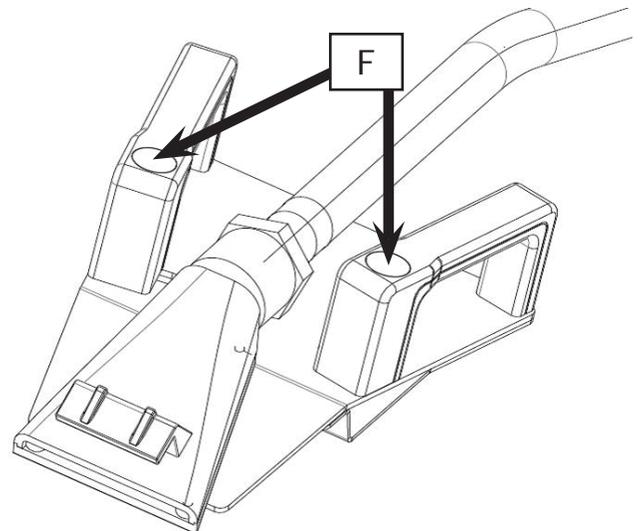
- Press pedal (M) down, the spindle (R) should turn in a clockwise direction. Lift up the pedal, the spindle should turn in an anticlockwise direction. If the turntable turns in the opposite direction to that shown, reverse two of the wires in the three-phase plug.
- Press the pedal (L) to tilt the vertical arm (Y). Press it again it returns to its working position.
- Press the pedal (N) to raise the wheel positioner (O) off the ground to the same level as the spindle flange. Press it again to lower it back down to the ground.

- Set the locking button (K) in Pos. 2, the arms are unlocked and the mounting head goes down onto the rim or reaches the minimum working height.
- Set the button (K) in Pos. 3, the arms are unlocked and the mounting head goes up to the out-of-work position.
- Set the button (K) in Pos. 1, the mounting bar and the horizontal arm are locked. The mounting head positions itself automatically at about 1/8" from the rim.
- Turn the selector (A) into UNLOCKING position, push the lever (B) leftwards, the bead breaker carriage moves forwards. Push the lever rightwards, the bead breaker carriage moves backwards.
- Push the lever (D) upwards, the bead breaker arm moves upwards. Push the lever downwards, the bead breaker arm moves downwards.
- Turn the selector (A) into LOCKING position, press the button (C), the bead breaker carriage moves forwards about 1". Release the button, the bead breaker carriage moves back to the initial position automatically.
- Lift up the handle (U), the upper bead breaker disc arm (S) can be swung out of the working position. Push the disc arm to the working position and release the lever, the disc arm can be locked.
- Lift up the handle (Y), the lower bead breaker disc arm (T) can be swung out of the working position. Push the disc arm to the working position and release the lever, the disc arm can be locked.
- Push the lever (H) downwards, the mounting hook is out of its seat and moves downwards. Push it upwards, the tool moves back in position.



**NEVER point the nozzle at people. Make sure to hold the handles of nozzle firmly. Failure to do so can be dangerous.**

- Press the blasting buttons (F) by hands, a powerful jet of air can be come out of the nozzle.



# Operation

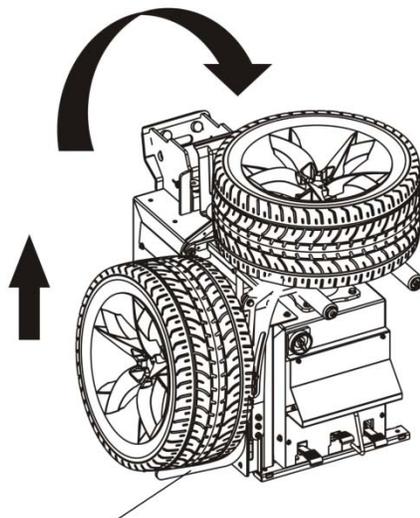


Do not use the machine until you have read and understood the entire manual and the warning provided.

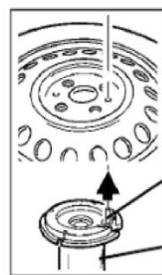
Before carrying out any operation, make sure to deflate the tire and take off all the wheel balancing weights.

## 5.1 Clamping The Wheel

- Check to make sure that the tire is deflated and all balancing weights are taken off.
- Place the wheel onto the wheel positioner. Make sure the worker area is free of any object.

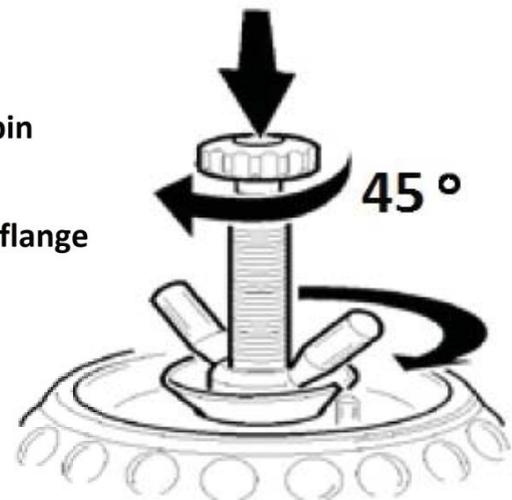


Wheel positioner



Driving pin

Spindle flange



45°

- Raise the wheel positioner with the wheel to the full height.
- Slip the wheel onto the top of spindle flange with help of rollers.
- Lower the wheel positioner so that the wheel can be positioned on the center of the spindle flange and in the meantime align the driving pin with one of the wheel lug holes so that the pin goes into the lug hole.
- Select the cone that best fits the center hole in the wheels. Slide the cone onto the center post with the small end towards the central hole of the rim.

- Install the centering post into the spindle flange through the central hole of the rim. Lock the post by turning it clockwise at about 45°.
- Place the quick locking nut to the central post. Tighten it securely.

	<p><b>To mount/demount a tire with an alloy rim, the cone protection and the spindle flange production must be used.</b></p> <p><b>For the wider wheel, the longer driving pin can be supplied at request.</b></p> <p><b>To mount/demount the tire without a central hole, the universal adapter should be ordered.</b></p>
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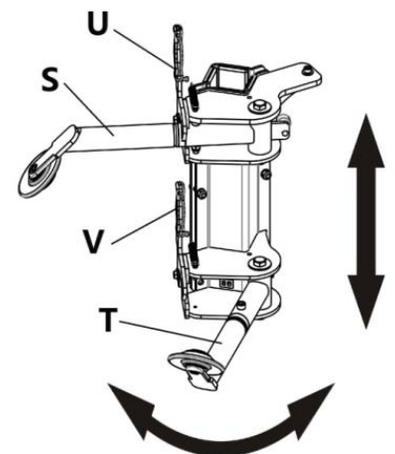
## 5.2 Breaking The Bead

	<p><b>Bead breaking must be done with the utmost care and attention. When the bead breaker pedal is operated the bead breaker disks moves powerfully. Anything within its range of action can be in danger of being crushed.</b></p> <p><b>During bead breaking operations NEVER touch the side of the tire by hands.</b></p>
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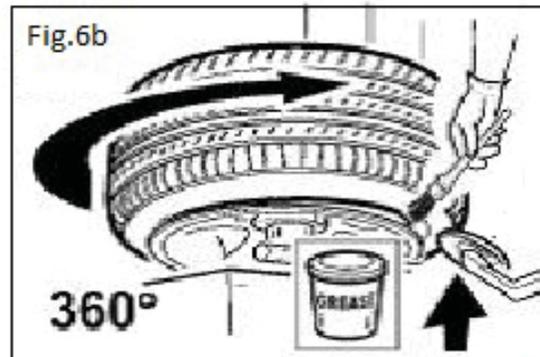
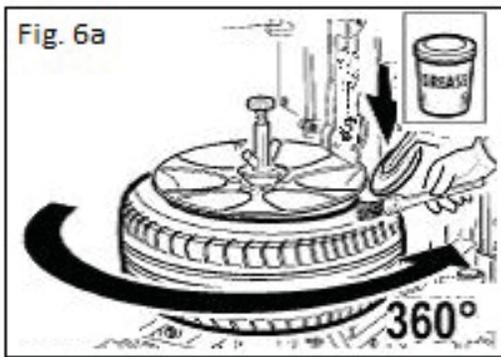
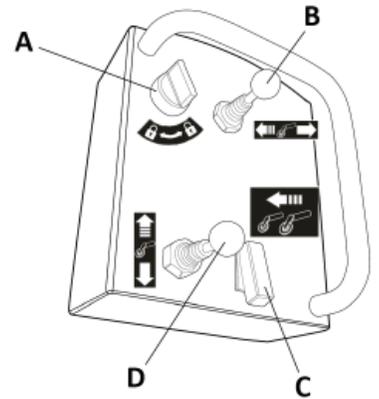
	<p><b>Chains, bracelets, loose clothing or foreign objects in the vicinity of the moving parts can represent a danger for the operator.</b></p>
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To break the upper bead of the tire, do as follows:

- Bring the lower breaker disc (T) out of working position.
- Set the selector (A) to UNLOCKING position.
- Bring the upper bead breaker disk (S) within 1/8" - 1/4" of the rim edge by operating the levers (B) and (D).
- Set the selector (A) to LOCKING position.
- Make sure to rotate the valve at 2 o'clock position so that the valve cannot be damaged during the breaking procedures.



- Lower the upper bead breaker disc until it touches the tire. At the same time start to rotate the spindle flange clockwise.
- Push down the lever (D) gently so that the upper bead breaker disks go down in small increments when the tire rotates to begin the breaking operations.
- Once the bead breaker disc has created enough space, start to lubricate carefully with the special grease on both the rim and the tire bead (ref. fig.6a).
- Keep turning the spindle flange until the upper bead goes into the rim's drop center and then keep pushing the button (C) until the upper bead of tire is come out of the rim completely. Then release the button (C).
- Raise and moves back the bead breaker carriage to the initial position by operating the levers (D) and (B).
- Bring the upper breaker disc (S) out of working position.



To break the lower bead of the tire, do as follows:

- Set the selector (A) to UNLOCKING position.
- Bring the lower bead breaker disk (T) within 1/8" - 1/4" of the rim edge by operating the levers (B) and (D).
- Set the selector (A) to LOCKING position.
- Raise the lower bead breaker disc until it touches the tire. At same time start to rotate the spindle flange clockwise.
- Raise the lever (D) gently so that the lower bead breaker disks goes down in small increments when the tire rotates to begin the breaking operations.
- Once the bead breaker disc has created enough space, start to lubricate carefully with the special grease on both the rim and the tire bead (ref. fig.6b).

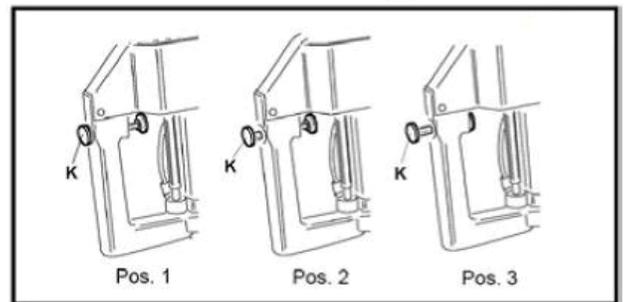
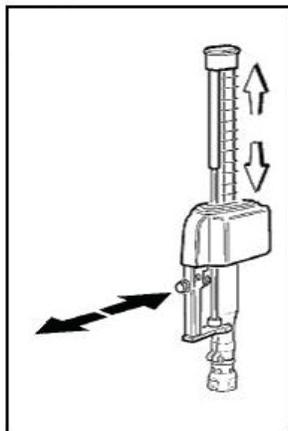
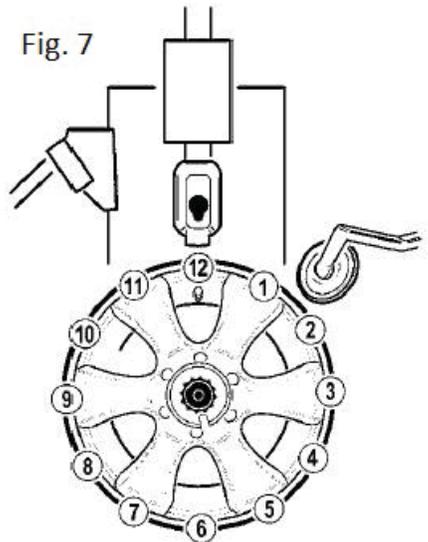
- Keep turning the spindle flange until the lower bead goes into the rim's drop center and then keep pushing the button (C) until the upper bead of tire comes out of the rim completely. Then release the button (C).
- Bring the lower breaker disc (T) out of working position.

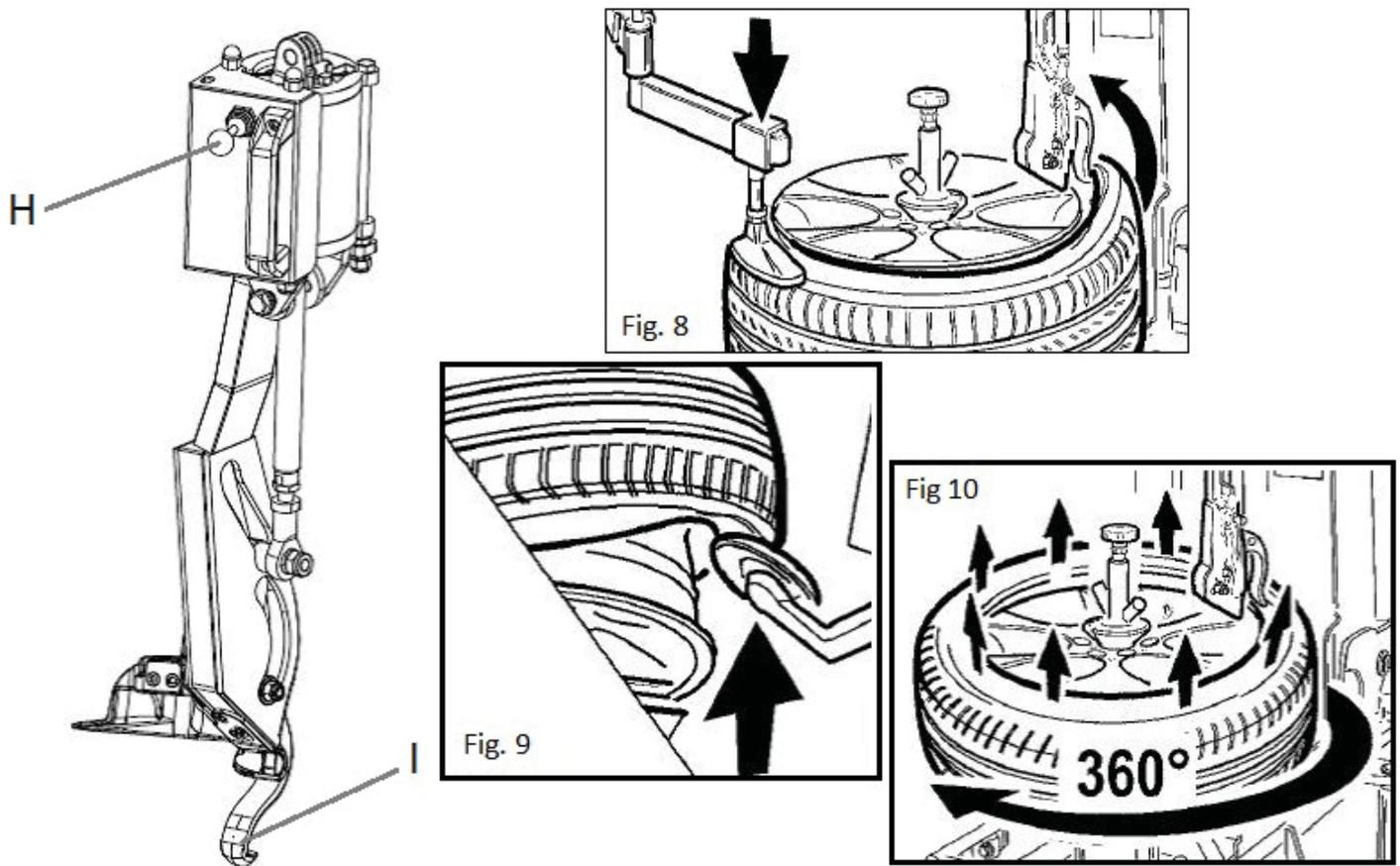
### 5.3 Removing The Tire

	<p><b>Never keep your hands on the wheel: the arm recovery to “working position” could risk the operator’s hand crushing between rim and mounting head.</b></p>
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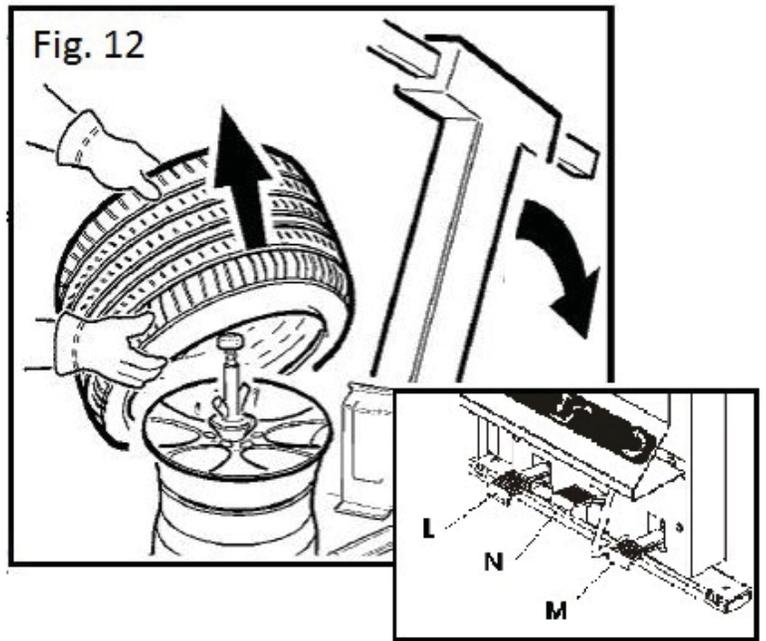
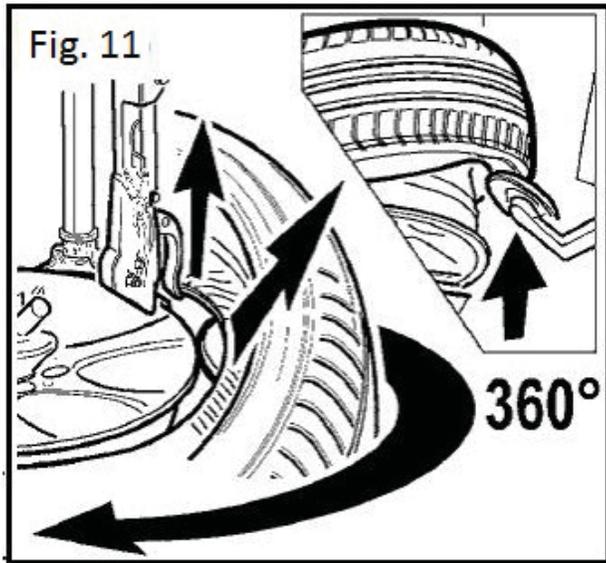
	<p><b>Demounting and mounting are always done with the clockwise rotation. Counter clockwise rotation is used only to correct operator’s errors.</b></p> <p><b>To avoid damaging the tire valve, make sure to arrange the valve in the position indicated following the instructions when mounting and demounting the tire.</b></p>
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- Make sure to rotate the valve at 1 o'clock (ref. fig.7) so that the valve cannot be damaged during the demounting procedures.
- Set the locking button (K) in Pos. 2, the arms are unlocked and the mounting head goes down onto the rim or reaches the minimum working height.
- Set the button (K) in Pos. 1, the mounting bar and the horizontal arm are locked. The mounting head positions itself automatically at about 1/8" from the rim.
- Pressing the lever (H) to insert the mounting hook (I) between the upper bead and the rim. Position it on the top part without forcing the side of the tire excessively.





- With the mounting hook (H) inserted between the bead and the rim, lift the tire bead up by raising the lever (H). **Note:** if it is difficult to attach the end of the hook to the tire bead, rotate the spindle flange until the end of the hook attaches the tire bead correctly.
- To facilitate moving the tire with stiff sidewall, it is suggested to press the tire in the opposite position of the tool with help of the bead press arm as shown in the figure 8 and press the bottom side of the tire with help of the lower bead breaker disc as shown in the figure 9.
- Rotate the spindle flange 360° in a clockwise direction until the upper bead is completely separated from the rim (ref. fig. 10). **Note:** to remove the tire with stiff sidewall, it is advisable to rotate the spindle flange in the slow mode (if the double speed mode is available with the machine).
- Insert the mounting hook (I) between the lower bead and the rim by operating the lever (H).
- Position the lower bead breaker disc in the bottom of the tire (ref. fig.11) and lift the lower bead upwards until it is raised about 1/3" beyond the upper edged of the rim (ref. fig. 11).
- Raise the mounting tool so that the lower bead is in the demounting position.



- Rotate the spindle flange 360° in a clockwise direction until the lower bead is completely separated from the rim. Pay attention that the tire is not strained excessively during the last removing phase.
- Tilt the vertical arm backwards out of working position by pressing the pedal (L) and remove the tire remounted (ref. fig. 12).



**During arm tilting make sure that nobody stands behind the tire changer.**

- After completing the removing procedure, bring the lower bead breaker out of the working position.

## 5.4 Mounting The Tire

It is of utmost importance to check the tire and rim to prevent tire explosion during the inflating operations. Before beginning mounting operation, make sure the tire and cord fabric are not damaged.

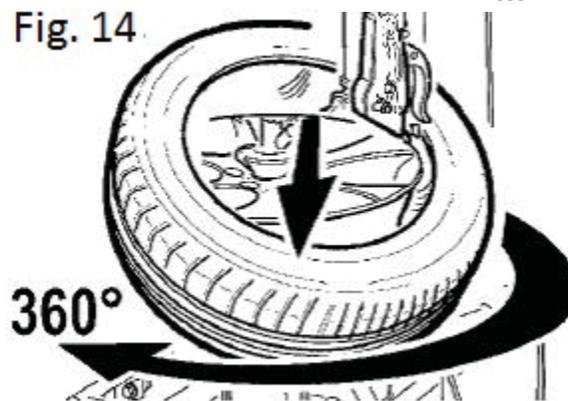
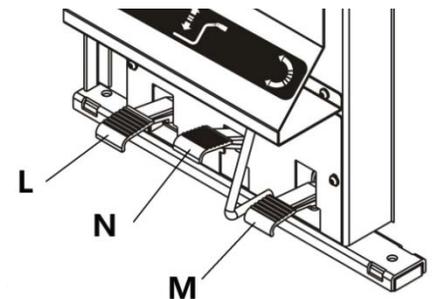
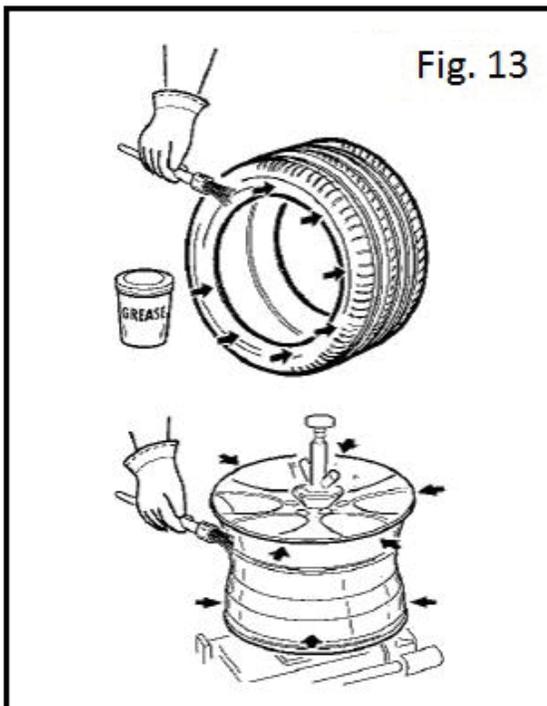


Make sure the diameter of the rim and tire are exactly the same.

Keep hands and other parts of the body as far as possible from the tool arm when the spindle flange is turning.

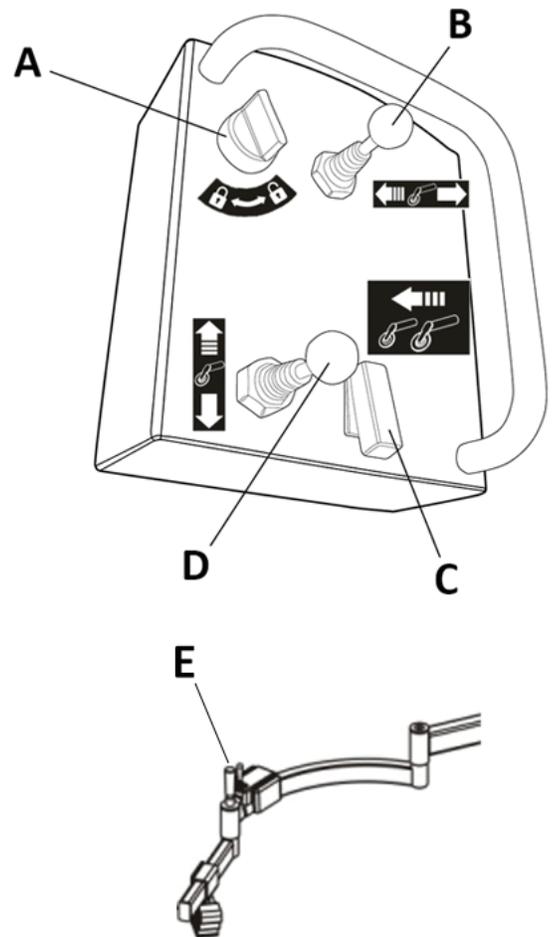
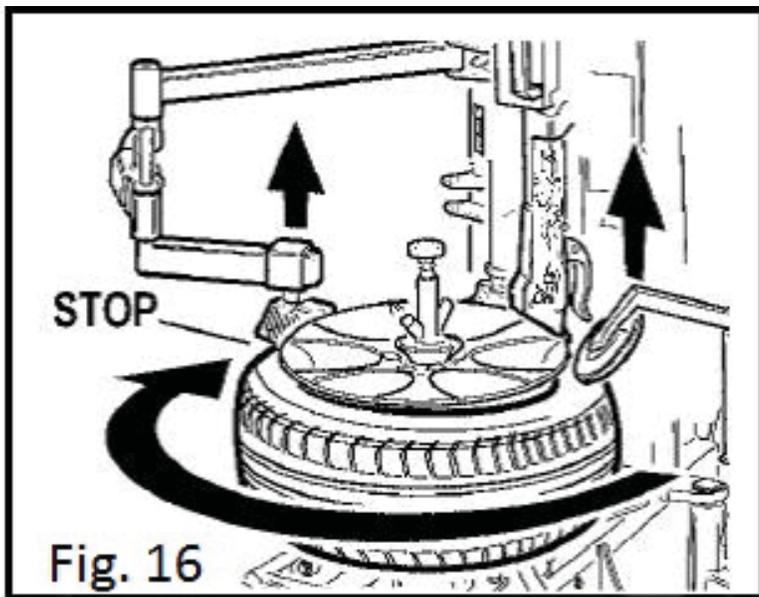
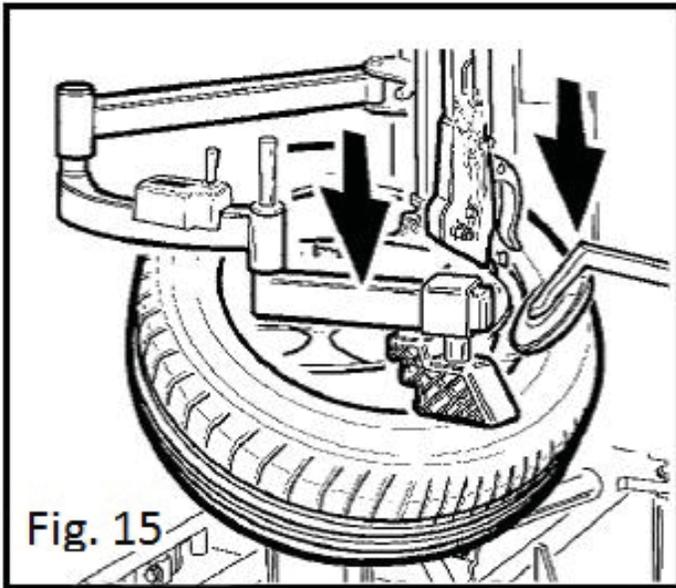
During arm tilting make sure that nobody stands behind the tire changer.

- Lock the rim on the spindle flange as described above in this chapter.
- With the special grease carefully lubricate the whole inner surface of the rim and the tire beads, both externally and internally around the circumference for thickness of 1" (ref. fig.13).



- Place the tire horizontally on the rim.
- Lower the mounting head so that the rear section of the mounting head rests on the rim edge (ref. fig.14).
- Position the tilted tire towards a 3 o'clock position (ref. fig.14).

- Press down on the pedal (M) to rotate the spindle flange in a clockwise direction until the lower bead drops below the top edge of the rim completely.
- Press the upper bead of tire with the upper bead disc by approximately 1" (ref. fig.15).
- Press the upper bead in 5 o'clock position with the press tool of the press arm (ref. fig.15).
- Press down on the pedal (M) to rotate the spindle flange in a clockwise direction until the upper bead drops below the top edge of the rim completely (ref. fig.16).



# Inflating



The greatest attention is called for when inflating the tires. Strictly follow the instructions since the tire changer is **NOT** designed and built to protect (or anyone else in the vicinity of the machine) if the tire bursts accidentally.

**⚠ DANGER**



A burst tire can cause serious injury or even death of the operator.

Check carefully that the wheel rim and the tire are of the same size.

Check the state of wear of the tire and that it has no defects before beginning the inflation.

Inflate the tire with brief jets of air, checking the pressure after every jet.

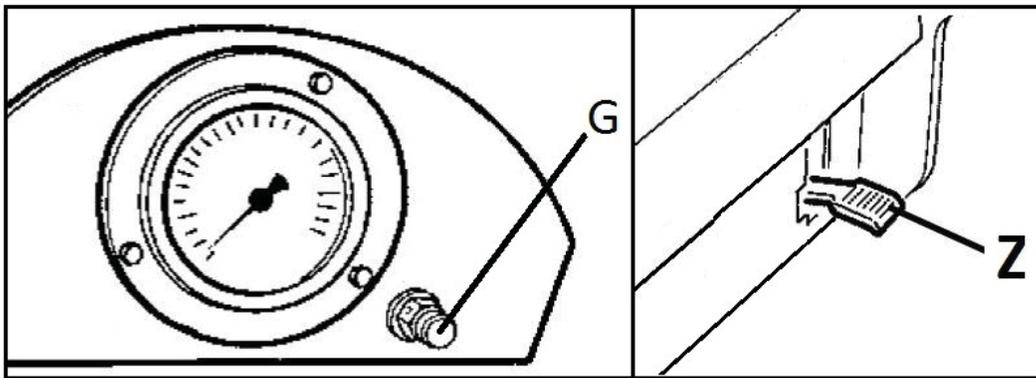
The tire changer is automatically limited to a maximum inflating pressure of 51 psi (3.5 bar). In any case **NEVER EXCEED THE PRESSURE RECOMMENDED BY THE MANUFACTURER.**

Keep your hands and body as far away as possible from the tire.

## 6.1 Inflating Tires With GT System

The GT inflation system provides a powerful jet of air to seat the tire beads.

 <p><b>▲ DANGER</b></p>	<p><b>ONLY special trained personnel are allowed to perform these operations. Do not allow other persons to operate or to stay near the tire changer.</b></p> <p><b>Never exceed 51 psi (3.5 bar) when seating beads or inflating tires.</b></p> <p><b>Never exceed the max. inflating pressure given by the tire manufacturer.</b></p> <p><b>Make sure to hold on to the inflating handles firmly while doing the quick blaster.</b></p>
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- Lock the wheel on the spindle flange.
- Make a last check to be certain that tire and rim diameter correspond.
- Check to be certain that rim and beads are sufficiently lubricated. If necessary lubricate some more.
- Press and release the pedal (Z) continuously and check the pressure on the gauge frequently until the tire bead seats completely on the rim.
- If the bead of tire is not well seated due to a strong bead, position the blasting nozzle towards the rim center just under the rim lip (ref. fig.17), then press the buttons (F) all the way down: a strong jet will be released through the nozzles in the slides and this will help the bead seal. Make sure to hold the blasting handles firmly during this operation.

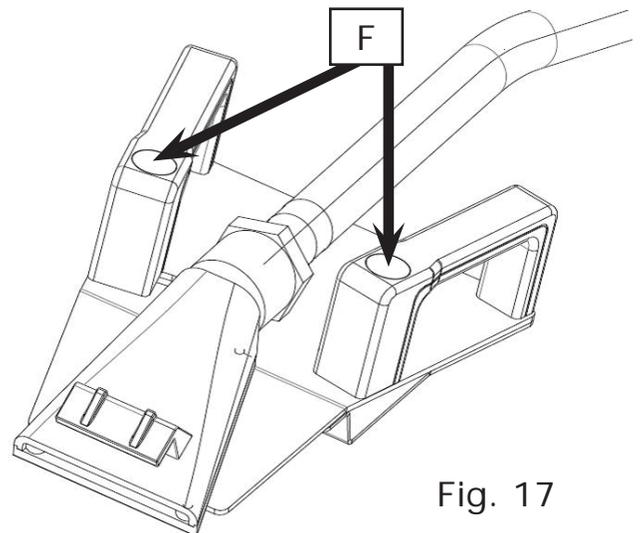


Fig. 17



**During the phase of quick blasting, the level of noise can reach 85db (A). It is advisable to use a noise protection.**

**NEVER point the nozzle at people.**

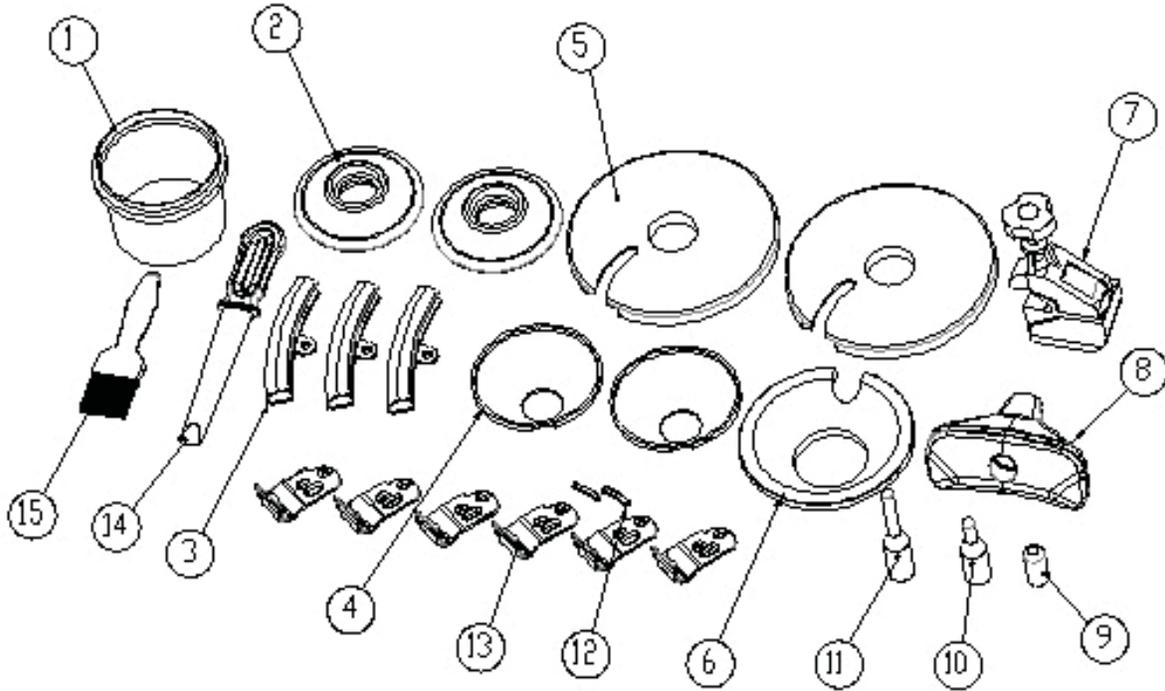
**Make sure to hold the handles of nozzle firmly. Failure to do so can be dangerous.**

- Continue inflating by pressing the pedal (Z) until the pressure reaches the recommended pressure by the tire manufacturer. Always inflate in short blasts and always check the pressure while inflating.
- If the pressure exceeds the value recommended by the tire manufacturer, press the deflation button (G) to deflate the tire.

# Accessories

## 7.1 Standard Accessories

The following standard accessories are supplied with the tire changer in the accessory box:

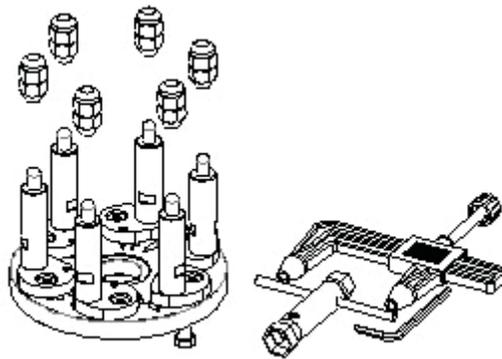


Item	Part number	Description	Q'ty
1	YC1-4299984	Grease cup	1
2	C32A323001	Bead breaker disc	2
3	0604085	Rim protection	3
4	C33A540003	Cone protection	2
5	C33A500002	Flange protection	2
6	C33A540007	Pre-centering cone	1
7	0604083	Hand free clamp	1
8	YCP-3008404A	Bead press tool	1
9	C107000006	Driving pin protection	1

10	C33A500008	Driving pin 85	1
11	C33A500007	Driving pin 124	1
12	YC1-3013650	Mounting tool protection	2
13	C01C700006	Mounting tool protection	6
14	0604092	Plastic lever	1
15	0511063	Grease brush	1

## 7.2 Optional Accessories

The universal flange C107030000 can be supplied by the manufacturer if requested specially for clamping the wheels without the central hole.



# Maintenance

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## 8.1 General Warnings

	<p><b>Unauthorized personnel may not carry out maintenance work.</b></p> <p><b>Before carrying out any maintenance work, make sure to disconnect the electric and pneumatic supplies</b></p>
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- Regular maintenance as described in the manual is essential for correct operation and long lifetime of the tire changer.
- If maintenance is not carried out regularly, the operation and reliability of the machine may be compromised, thus placing the operator and anyone else in the vicinity at risk.
- Defective parts must be replaced exclusively by expert personnel using the manufacturer's parts.
- Removing or tampering with safety devices is extremely forbidden.

	<p><b>In particular the Manufacturer shall not be held responsible for complaints deriving from the use of spare parts made by other manufacturers or for damage caused by tampering or removal of safety systems.</b></p>
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## 8.2 Routine Maintenance

To ensure that this tire changer works perfectly over the years, carry out the routine maintenance schedule described below:

- The tire changer has to be properly cleaned at least once a month using self-cleaning clothes. Lubricate all pivot pins and the sliders at least once a week.
- Check the oil level in the lubricator (A/fig.18) at least once a month. If the oil level is below the middle of glass cup, add the oil SAE30.

- Check function of the pressure regulator (B/fig.18) at least once a month. Be sure the pressure regulator should never be adjusted to exceed 145 psi (10 bars).
- All air silencers should be removed and cleaned properly by a jet of compressed air every three months (ref. C/fig.19), or replace if it is damaged.
- In the event of a loss of power, check that the drive belt is tight. Adjust its tension if necessary.

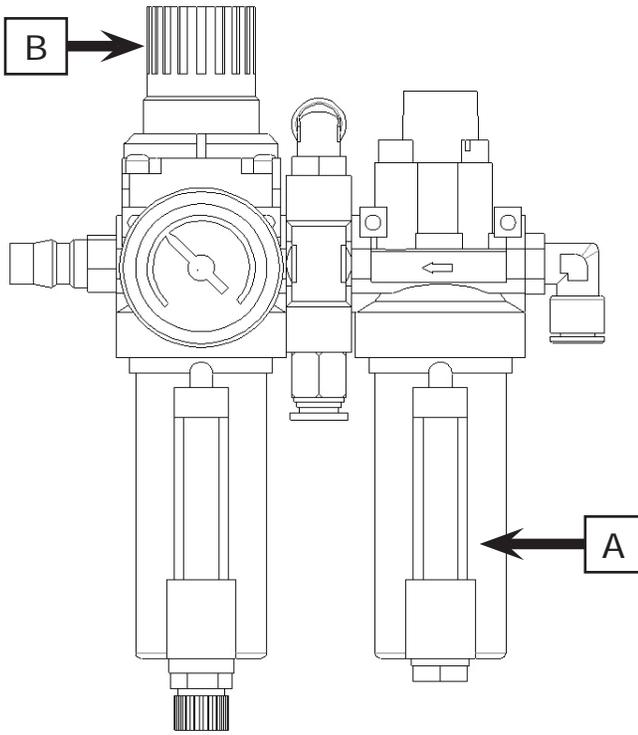


Fig. 18

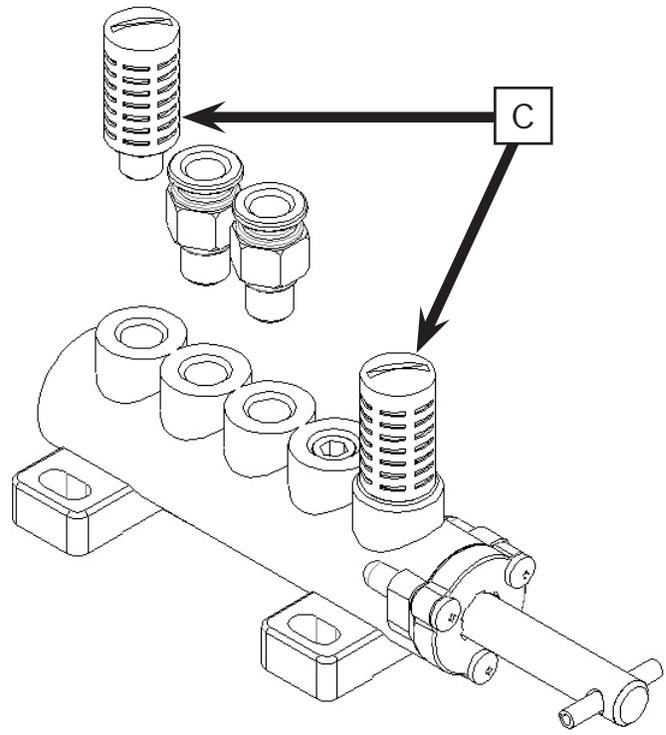


Fig. 19

# Trouble-Shooting

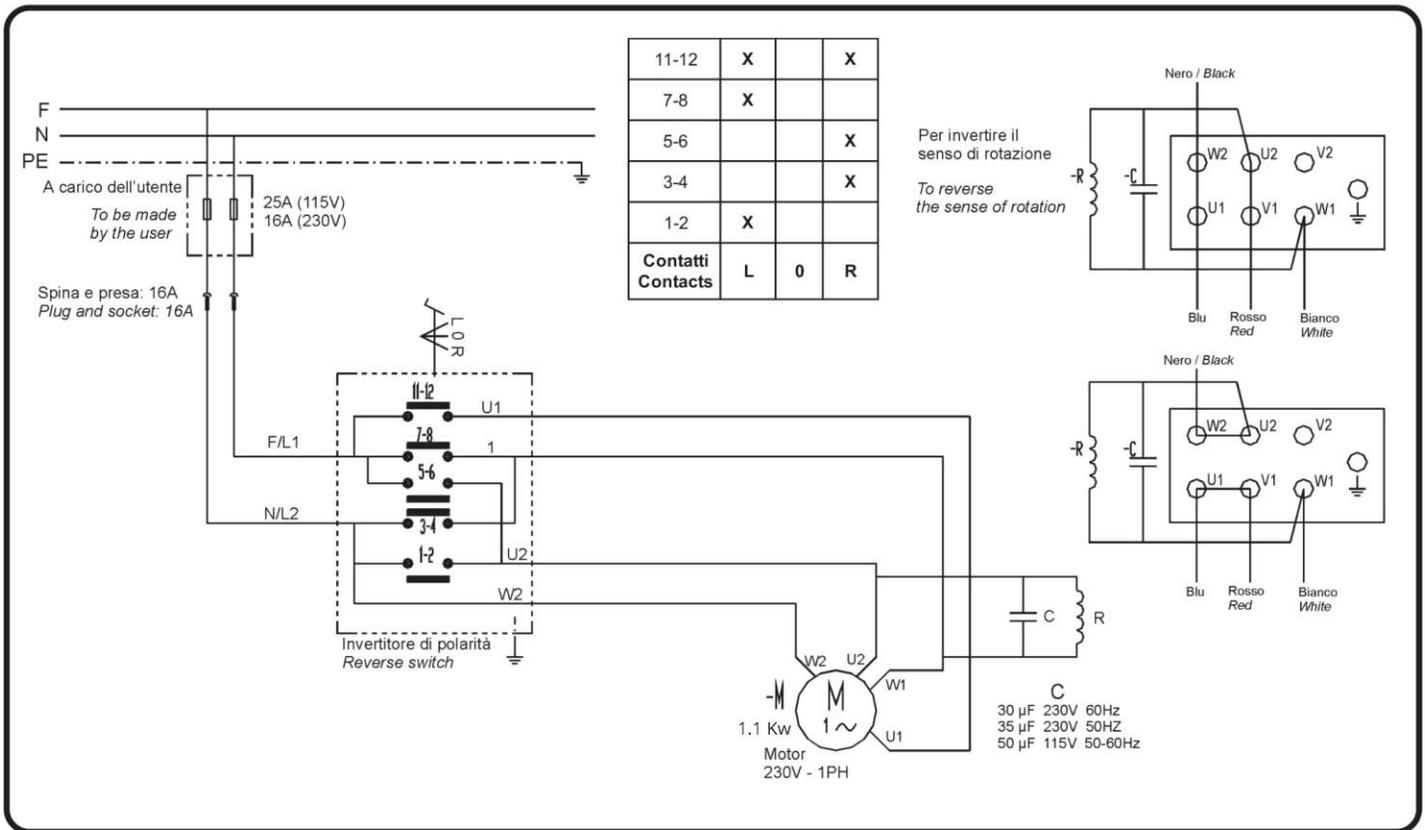
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<b>Trouble:</b>	<b>Possible Cause:</b>	<b>Solution:</b>
Spindle flange rotates only in one direction.	Reverser broken	Replace the reverser
Spindle flange does not rotate.	No electric power	Check the machine is plugged in the power
	Motor pulley loosen	Secure the pulley
	Belt loosen or broken	Tension the belt or replace
	Reverser broken	Replace the reverser
	Motor faulty	Check for loose wire in the motor, plug or socket.
Replace motor		
Spindle flange rotates continuously	Reverser broken	Replace the reverser
	Pedal spring broken	Replace the spring
Spindle flange rotates but the wheel stays still	Quick locking nut is not tightened	Tighen the nut
The bead breaker disc does not move or moves very slowly	No air supply	Check the line pressure
	Control valve disconnected or broken	Check or replace the valve
	Silencer obstructed	Clean the silencer or replace it
	Cylinder seal broken	Replace the seal
	Distributing valve broken or ma-function	Check and replace the valve if necessary

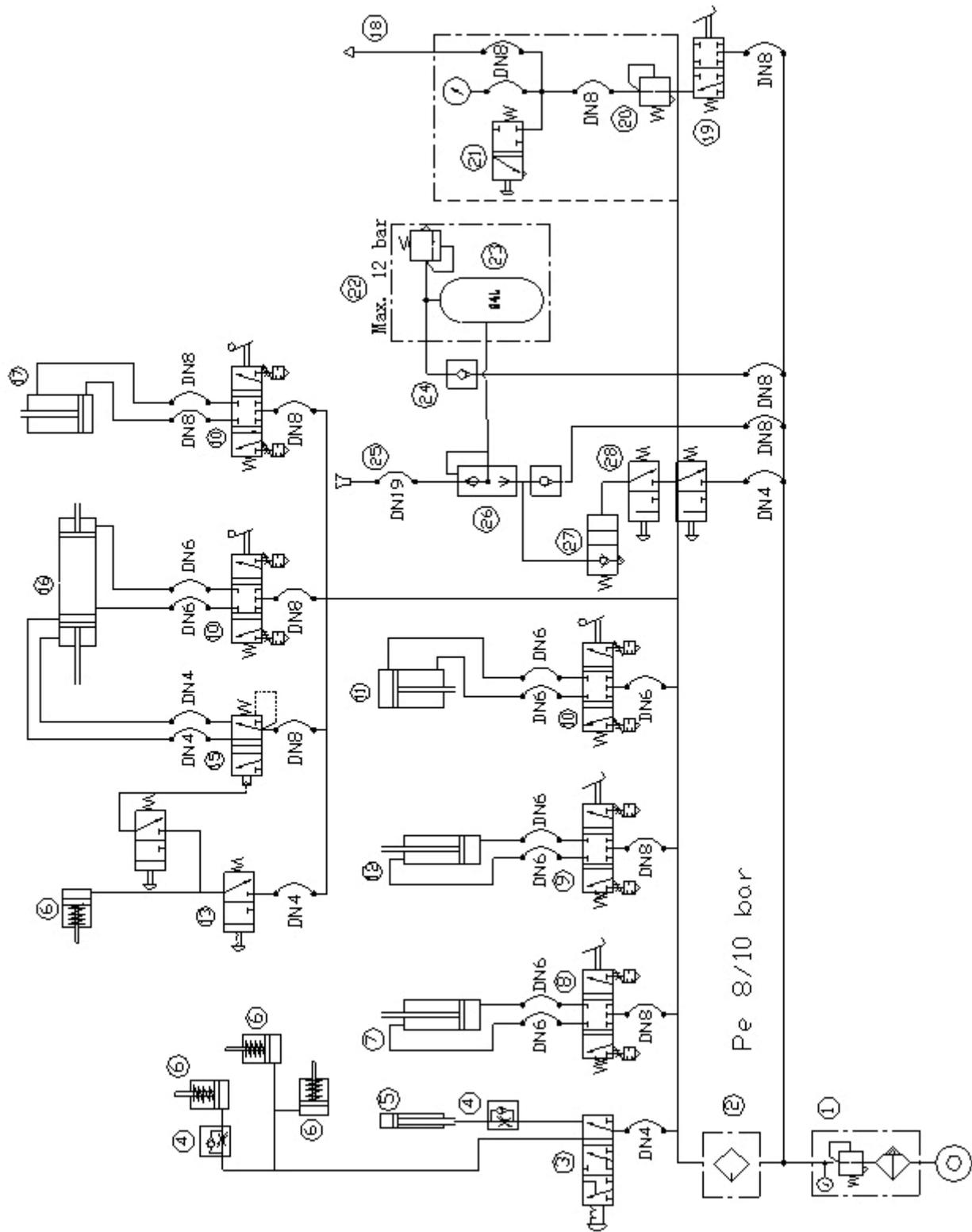
The bead breaker disc moves correctly but does not make the over stroke movement	No air supply	Check the line pressure
	Control valve disconnected or broken	Check or replace the valve
	Silencer obstructed	Clean the silencer or replace it
	Cylinder seal broken	Replace the seal
	Distributing valve broken or ma-function	Check and replace the valve if necessary
	Over stroke button faulty	Replace the button
The tool touches the rim during the tire removing or mounting operations	Locking plate incorrectly adjusted or defective	Adjust or replace locking plate
The tool does not move vertically	No air supply	Check the line pressure
	The fitting disconnected	Reconnect the fitting correctly
	Control valve disconnected or broken	Check or replace the valve
	Silencer obstructed	Clean the silencer or replace it
	Cylinder seal broken	Replace the seal
The wheel positioner does not move or moves very slowly	No air supply	Check the line pressure
	Control valve disconnected or broken	Check or replace the valve
	Silencer obstructed	Clean the silencer or replace it
	Cylinder seal broken	Replace the seal
The wheel positioner does not stop its stroke	Control valve disconnected or broken	Check or replace the valve
	Pedal spring broken	Replace the spring

# Electric And Pneumatic Diagram

220V/230V – 1PH



# Pneumatic System Diagram



1	Filter + regulator	15	Air distribution valve
2	Lubricator	16	Bear breaker horizontal cylinder
3	Arm locking control valve	17	Bear breaker vertical cylinder
4	Flow regulator	18	Inflation head
5	Mounting head cylinder	19	Inflation control valve
6	Locking cylinder	20	Safety valve 3.5 bar
7	Arm tilting back cylinder	21	Deflation valve
8	Arm tilting back pedal	22	Safety valve 12 bar
9	Wheel positioner pedal	23	Air tank
10	Control valve	24	One way valve
11	Press arm cylinder	25	GT blasting nozzle
12	Wheel positioner cylinder	26	GT valve
13	Selector	27	One way safety valve
14	Over stroke button	28	GT blasting button

# Warranty

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This item has a one (1) year LIMITED warranty.

Atlas® Automotive Equipment warrants the equipment to the original purchaser against defects in material or workmanship under normal use for a period of one year from the date of purchase. This warranty shall be limited to the replacement of materials or parts found defective, at the discretion of Atlas®

Automotive Equipment and/or its authorized distributors. This limited one (1) year warranty DOES NOT apply to normal wear items (turntable jaws, belts, gauges, plastic jaw protectors, etc.). The limited one (1) year warranty does not include a labor warranty. Warranties do not apply to items that have been abused or misused.

Returned goods must be authorized to be returned (in writing) by Atlas® Automotive Equipment and/or an authorized distributor and must be prepaid to a designated location. All returns may be subject to a 15% handling and restocking charge. Returned goods must be in like-new condition complete with warranty and original shipping papers.

## Customer's Responsibilities

- Shall ensure that all air operated components are properly maintained
- Shall ensure components are powered by well lubricated and moisture free compressed air (if a suspected defective part has not been properly lubricated it will not be covered under warranty)
- Shall establish procedures to periodically maintain and inspect the equipment
- Shall ensure that your wheel balancer is protected by a surge protector
- Shall ensure that all equipment shall have adequate amperage service

THIS WARRANTY IS EXCLUSIVE AND IS LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR ANY IMPLIED WARRANTY OF FITNESS FROM A PARTICULAR PURPOSE, AND ALL SUCH IMPLIED WARRANTIES ARE EXPRESSLY EXCLUDED.

THE REMEDIES DESCRIBED ARE EXCLUSIVE AND IN NO EVENT SHALL THE MANUFACTURER, NOR ANY SALES AGENT OR OTHER COMPANY AFFILIATED WITH IT OR THEM, BE LIABLE FOR SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR THE BREACH OF OR DELAY IN PERFORMANCE OF THIS WARRANTY. THIS INCLUDES, BUT IS NOT LIMITED TO, LOSS OF PROFIT, RENTAL OR SUBSTITUTE EQUIPMENT OR OTHER COMMERCIAL LOSS.

For warranty assistance, please call 866-898-2604. Please have your invoice number ready so that we may be able to serve you better. Warranty procedures cannot be initiated without an invoice number corresponding to the product serial number.

For further product and distributor information, please visit [www.atlasautoequipment.com](http://www.atlasautoequipment.com)