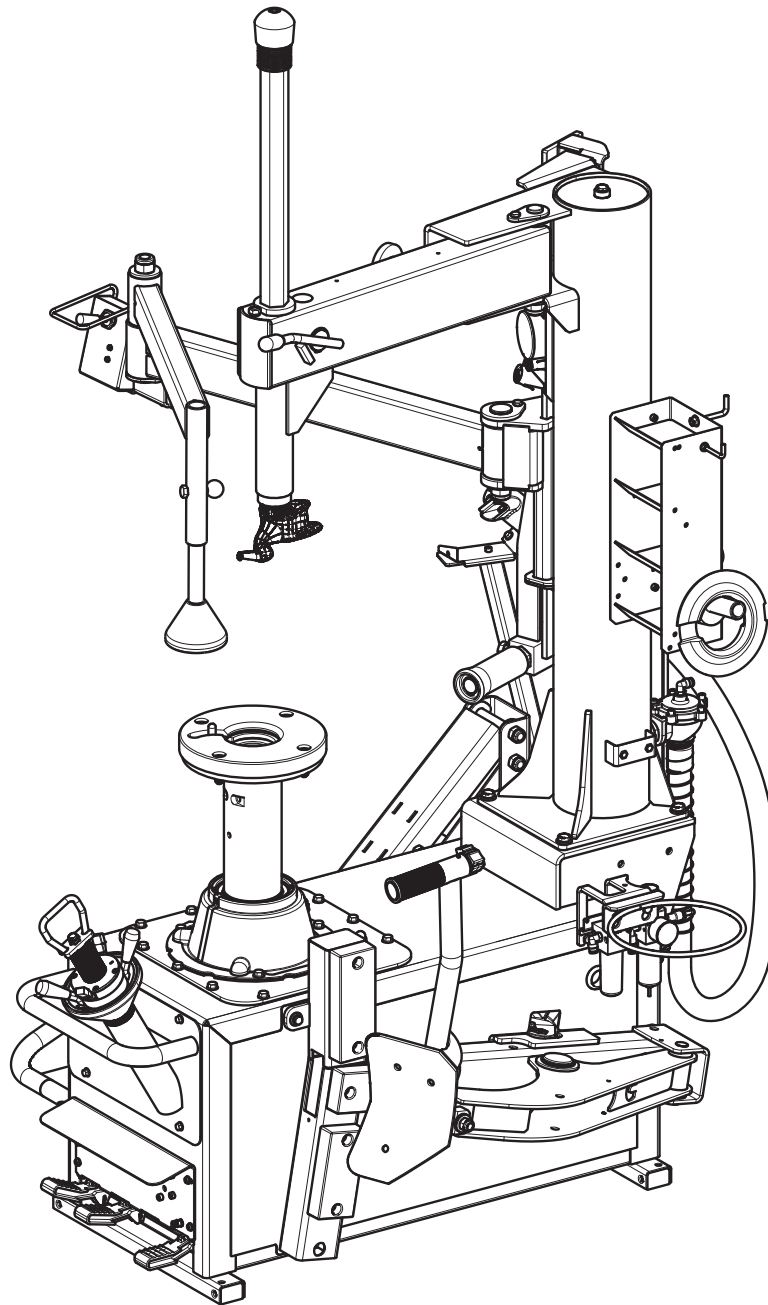




R247D.CL Tire Changer

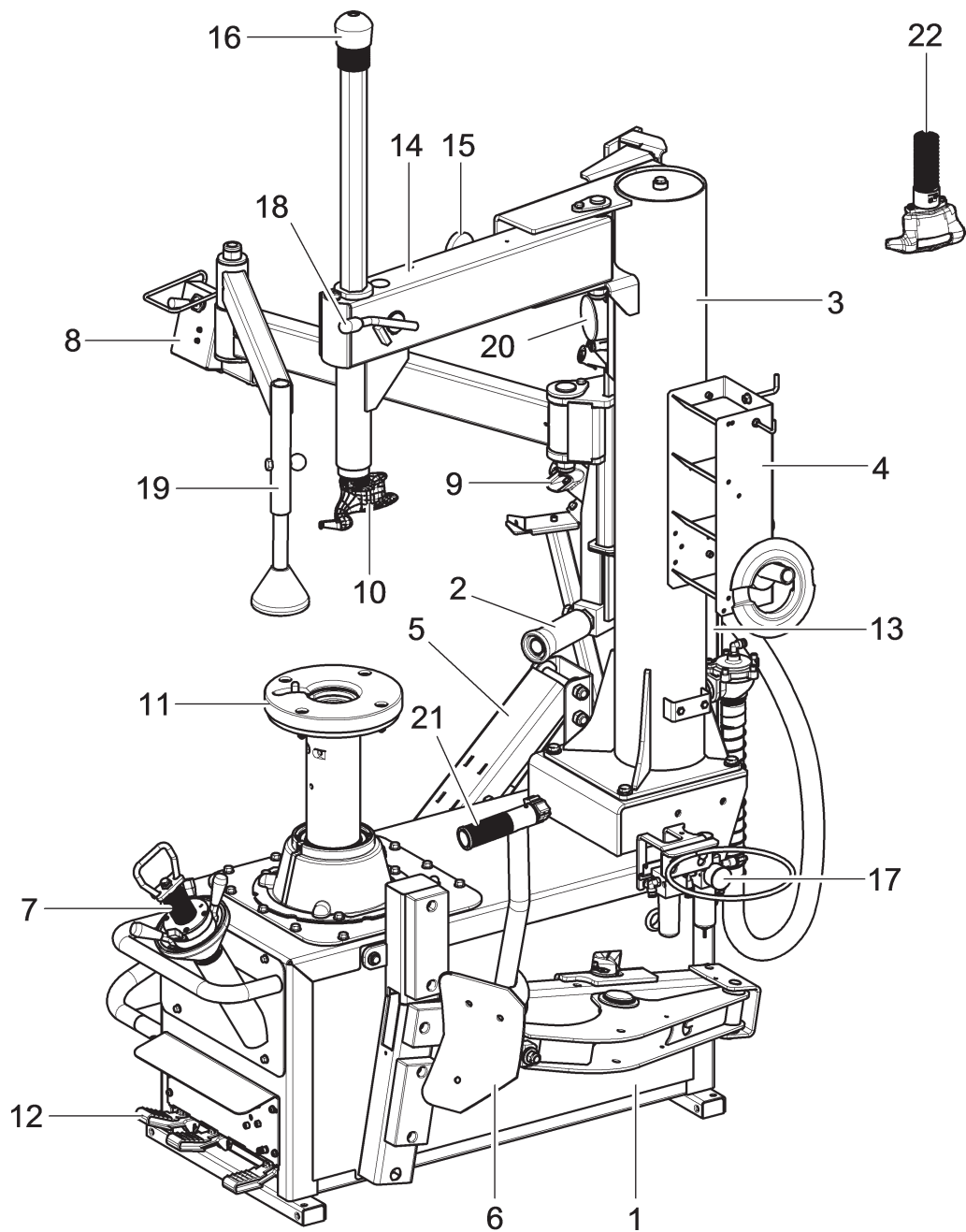


OPERATION & MAINTENANCE MANUAL

IMPORTANT Any damage caused by failure to follow the instructions in this manual or improper machine use shall relieve the manufacturer of all liability.

SUMMARY







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KEY

- | | |
|---|---|
| 1 – Machine base | 12 – Control pedal |
| 2 – Presser roll | 13 – Bead pressing device movement cylinder |
| 3 – Column/tank unit | 14 – Horizontal arm |
| 4 – Tool box | 15 – Clamping knob for flag arm rotation |
| 5 – Lifting device | 16 – Handle |
| 6 – Lateral bead breaker | 17 – Lubricator filter unit |
| 7 – Locking device | 18 – Tool sliding locking lever |
| 8 – Bead pressing device operating unit | 19 – Presser arm unit |
| 9 – Inflating device | 20 – Pressure gauge unit |
| 10 – Tire mounting/demounting tool | 21 – Bead breaking vane control knob |
| 11 – Central locking chuck | 22 – Balancing plastic tool |

SYMBOLS USED IN THE MANUAL

Symbols	Description
	Read instruction manual.
	Wear work gloves.
	Wear work shoes.
	Wear safety goggles.
	Mandatory. Operations or jobs to be performed compulsorily.
	Danger! Be particularly careful.

Symbols	Description
	Warning. Be particularly careful (possible material damages).
	Move with fork lift truck or pallet truck.
	Lift from above.
	Technical assistance necessary. Do not perform any intervention.
	Note. Indication and/or useful information.
	Caution: hanging loads.

Code numbers of plates

VSB1541000	Danger plate
VSB1541000	Danger plate
VSB2165000	Bead breaker danger plate
VSB2166000	Bead breaker danger plate
VSB2168000	Tire burst plate
VSB2668000	Wheel lifting device danger plate
VSB4244000	Rotating parts danger plate
VS99990758	Electricity danger plate
VS999910050	Protection device use plate
VS999910070	Head danger indicating plate
VS999911870	Headphones plate
VS999912460	Supply pressure indicating plate
VS999913250	Head use indicating plate
VS999914700	Bead depressing roll controls plate
VS999916311	Rubbish skip plate
VS999916450	Lifting device pedal plate
VS999916880	Max. capacity load 80 Kg plate
VS999921000	5 pedals pedalboard plate
VS999923160	Prop 65 Attention plate
*	Lifting device serial number plate
•	Serial number plate



IF ONE OR MORE PLATES DISAPPEAR FROM THE MACHINE OR BECOMES DIFFICULT TO READ. REPLACE IT AND QUOTE ITS/THEIR CODE NUMBER/S WHEN REORDERING.



SOME OF THE PICTURES PRESENT IN THIS MANUAL HAVE BEEN OBTAINED FROM PICTURES OF PROTOTYPES, THEREFORE THE STANDARD PRODUCTION MACHINES AND ACCESSORIES CAN BE DIFFERENT IN SOME COMPONENTS.

1.0 GENERAL INTRODUCTION

This manual is an integral part of the product and must be retained for the whole operating life of the machine.

Carefully study the warnings and instructions contained in this manual. It contains important instructions regarding FUNCTIONING, SAFE USE and MAINTENANCE.



KEEP THE MANUAL IN A KNOWN, EASILY ACCESSIBLE PLACE FOR ALL ACCESSORY OPERATORS TO CONSULT IT WHENEVER IN DOUBT.



THE MANUFACTURER DISCLAIMS ALL RESPONSIBILITY FOR ANY DAMAGE OCCURRED WHEN THE INDICATIONS GIVEN IN THIS MANUAL ARE NOT RESPECTED: AS A MATTER OF FACT, THE NON-COMPLIANCE WITH SUCH INDICATIONS MIGHT LEAD TO EVEN SERIOUS DANGERS.

1.1 Introduction

Thank you for preferring electro-hydraulic tire-changer. We feel sure you will not regret your decision. The machine has been designed for use in professional workshops and in particular it stands out for its reliability, safe and rapid operation: with just a small degree of maintenance and care, this will give you many years of trouble-free service and lots of satisfaction. This manual contains all operating instructions and details on how to service and use the machine correctly.

2.0 INTENDED USE

The machines described in this manual and their different versions, are tire-changers for car tires projected to be used exclusively for the mounting, demounting, and inflation of wheels.



THIS ACCESSORY MUST ONLY BE USED FOR THE PURPOSE FOR WHICH IT IS SPECIFICALLY DESIGNED. ANY OTHER USE IS CONSIDERED IMPROPER AND THEREFORE UNACCEPTABLE.



THE MANUFACTURER CANNOT BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED BY IMPROPER, ERRONEOUS, OR UNACCEPTABLE USE.

2.1 *Training of personnel*

The machine may be operated only by suitably trained and authorized personnel.

Given the complexity of the operations necessary to manage the machine and to carry out the operations safely and efficiently, the personnel must be trained in such a way that they learn all the information necessary to operate the machine as intended by the manufacturer.



A CAREFUL READING OF THIS INSTRUCTION MANUAL FOR USE AND MAINTENANCE AND A SHORT PERIOD OF TRAINING WITH SKILLED PERSONNEL CAN BE AN ENOUGH PREVENTIVE PREPARATION.

3.0 SAFETY DEVICES



PERIODICALLY, AT LEAST MONTHLY, CHECK THE INTEGRITY AND THE FUNCTIONALITY OF THE SAFETY AND PROTECTION DEVICES ON THE MACHINE.

All the machines are equipped with:

- “man-operated” controls (immediate stop of operation when the control is released) for all operating devices;
 - chuck rotation;
 - tool translation;
 - roll and presser arm;
 - side bead breaking;
 - inflation;
 - lifting device.

The other drives (presser roll clamping, mounting/demounting tool clamping) cannot be of the “man-operated”-type, seen their function: in these cases safety is guaranteed by compliance with indications or precautions on machine residual risks (warning plates) also mentioned in the user’s guide.

- Fixed protections and guards

The machine is fitted with a number of fixed guards intended to prevent potential crushing, cutting and compression risks.

These protections have been realized after risks evaluation and after all machine operative situations have been considered.

All protections, specially the rubber ones, have to be periodically checked in order to evaluate their wear state.



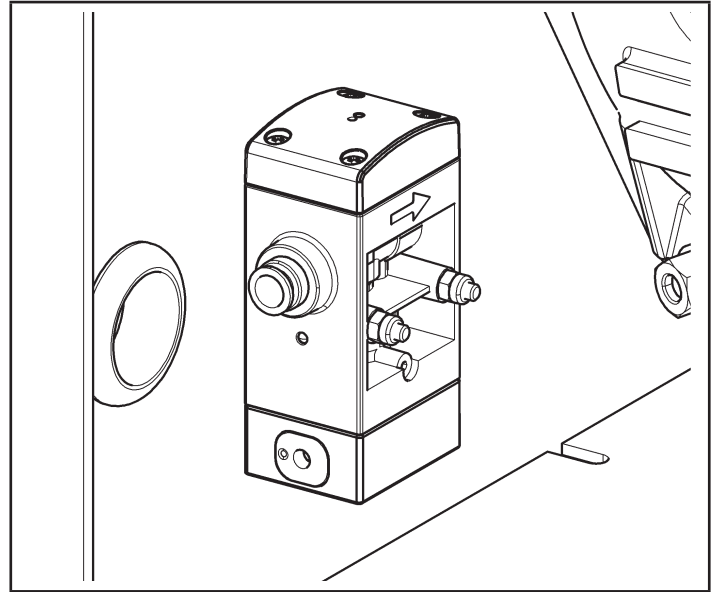
PERIODICALLY CARRY OUT THE MAINTENANCE OF THE PROTECTIONS, SHELTERS AND SAFETY DEVICES IN GENERAL, AS INDICATED IN CHAPTER 13. ROUTINE MAINTENANCE.

All machines can also be used for inflating tires and are equipped with the following elements:

- pressure gauge for tire pressure reading, EC-certified and in compliance with 86/217/EEC Standard;
- max. pressure valve fitted on compressed air reservoir (preset – see pneumatic diagram) in compliance with 87/404/EEC Standard;

- Non-adjustable (balancing valve) pressure limiter (see figure below).

This allows inflation of tires in reasonable safety. Inflation of tires to over $4,2 \pm 0,2$ bar (60 PSI) is not allowed.



3.1 Residual risks

The machine was subjected to a complete analysis of risks according to reference standard EN ISO 12100.

Risks are as reduced as possible in relation with technology and product functionality.

This manual stresses possible residual risks, also highlighted in pictograms on the present manual and adhesive warning signals placed on the machine: their location is represented in “PLATE LOCATION ON MACHINE INFORMATION TABLE” on page 5.

4.0 IMPORTANT SAFETY INSTRUCTIONS

When using your garage equipment, basic safety precautions should always be followed, including the following:

1. Read all instructions.
2. Care must be taken as burns can occur from touching hot parts.
3. Do not operate equipment with a damaged cord or if the equipment has been dropped or damaged – until it has been examined by a qualified service person.
4. Do not let a cord hang over the edge of the table, bench, or counter or come in contact with hot manifolds or moving fan blades.
5. If an extension cord is necessary, a cord with a current rating equal to or more than that of the equipment should be used. Cords rated for less current than the equipment may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
6. Always unplug equipment from electrical outlet when not in use. Never use the cord to pull the plug from the outlet. Grasp plug and pull to disconnect.
7. Let equipment cool completely before putting away. Loop cord loosely around equipment when storing.
8. To reduce the risk of fire, do not operate equipment in the vicinity of open containers of flammable liquids (gasoline).
9. Adequate ventilation should be provided when working on operating internal combustion engines.
10. Keep hair, loose clothing, fingers, and all parts of body away from moving parts.
11. To reduce the risk of electric shock, do not use on wet surfaces or expose to rain.
12. Use only as described in this manual. Use only manufacturer's recommended attachments.
13. ALWAYS WEAR SAFETY GLASSES. Everyday eyeglasses only have impact resistant lenses, they are not safety glasses.
14. To reduce the risk of injury, close supervision is necessary when this product will be used around children. (Pertains to cabinets only.)
15. To reduce the risk of injury, never overload the drawers or shelves. Refer to loading instructions.
16. To reduce the risk of electric shock or fire, never overload receptacles. Refer to markings for the proper load on receptacles.

SAVE THESE INSTRUCTIONS

4.1 General safety rules



- Any tampering with or modification to the machine not previously authorized by the manufacturer exempts the latter from all responsibility for damage caused by or derived from said actions.
- Removing of or tampering with the safety devices or with the warning signals placed on the machine leads to serious dangers and represents a transgression of European safety rules.
- The machine may be used only in areas free from the danger of explosion or fire.
- The use of only original accessories and spare parts is advised. Our machine is designed to function only with original accessories.
- The installation must be performed by qualified personnel in full compliance with the instructions given below.
- Ensure that there are no dangerous situations during the machine operating manoeuvres. Immediately stop the machine if it misfunctions and contact the assistance service of an authorized dealer.
- In emergency situations and before carrying out any maintenance or repairs, disconnect all supplies to the machine by using the main switch.
- Ensure that the work area around the machine is free of potentially dangerous objects and that there is no oil since this could damage the tire. Oil on the floor is also a potential danger for the operator.



THE MANUFACTURER DENIES ANY RESPONSIBILITY IN CASE OF DAMAGES CAUSED BY UNAUTHORIZED MODIFICATIONS OR BY THE USE OF NON ORIGINAL COMPONENTS OR EQUIPMENT.



OPERATORS MUST WEAR SUITABLE WORK CLOTHES, PROTECTIVE GLASSES AND GLOVES, AGAINST THE DANGER FROM THE SPRAYING OF DANGEROUS DUST, AND POSSIBLY LOWER BACK SUPPORTS FOR THE LIFTING OF HEAVY PARTS. DANGLING OBJECTS LIKE BRACELETS MUST NOT BE WORN, AND LONG HAIR MUST BE TIED UP. FOOTWEAR SHOULD BE ADEQUATE FOR THE TYPE OF OPERATIONS TO BE CARRIED OUT.

- The machine handles and operating grips must be kept clean and free from oil.
- The workshop must be kept clean, dry and not exposed to atmospheric agents. Make sure that the working premises are properly lit.

The machine can be operated by a single operator. Unauthorised personnel must remain outside the working area, as shown in Figure 4.

Avoid any hazardous situations. Do not use air-operated or electrical equipment when the shop is damp or the floor slippery and do not expose such tools to atmospheric agents.

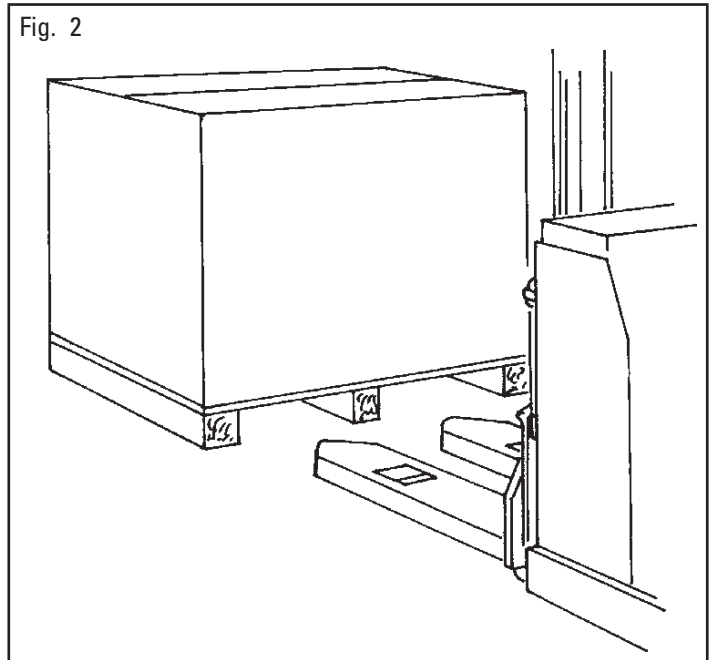
- During inflation do not lean on the tire or stand on it; when beading in the tire, keep hands away from tire and rim edge.
- During inflation always stay to the side of the machine and never in front of it.
- When operating and servicing this machine, carefully follow all applicable safety and accident-prevention precautions. The machine must not be operated by untrained personnel.

	<p>IN CASE OF A CHANCE SUPPLY FAILURE (WHETHER ELECTRICITY OR COMPRESSED AIR), MOVE THE PEDALS TO THE NEUTRAL POSITION.</p>
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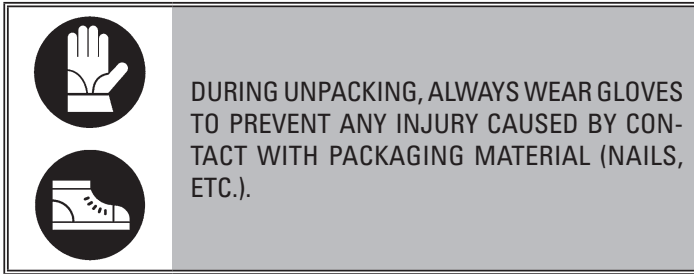
5.0 PACKING AND MOBILIZATION FOR TRANSPORT

<p>HAVE THE MACHINE HANDLED BY SKILLED PERSONNEL ONLY. THE LIFTING EQUIPMENT MUST WITHSTAND A MINIMUM RATED LOAD EQUAL TO THE WEIGHT OF THE PACKED MACHINE (see paragraph "TECHNICAL SPECIFICATIONS").</p>			

The machine is supplied packed in a cardboard box. Movement must be by pallet-lift or fork-lift trolley. The fork lifting points are indicated on the packing.



6.0 UNPACKING

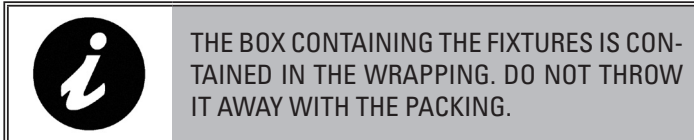


The cardboard box is supported with plastic strapping. Cut the strapping with suitable scissors. Use a small knife to cut along the lateral axis of the box and open it like a fan.

It is also possible to unmail the cardboard box from the pallet it is fixed to. After removing the packing, and in the case of the machine packed fully assembled, check that the machine is complete and that there is no visible damage.

If in doubt do not use the machine and refer to professionally qualified personnel (to the seller).

The packing (plastic bags, expanded polystyrene, nails, screws, timber, etc.) should not be left within reach of children since it is potentially dangerous. These materials should be deposited in the relevant collection points if they are pollutants or non biodegradable.



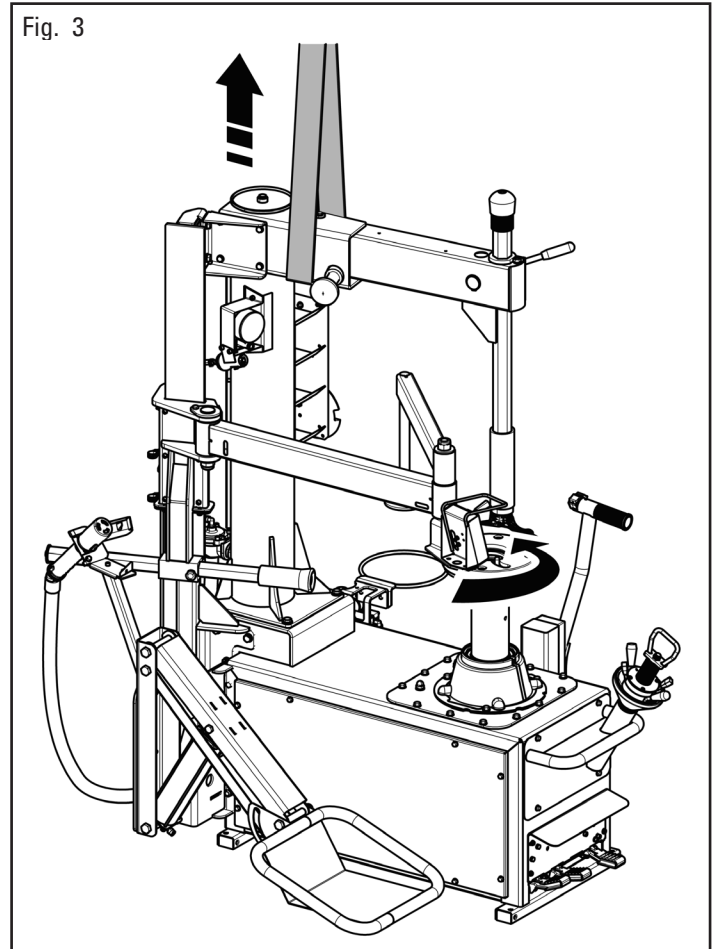
7.0 MOBILIZATION



If the machine has to be moved from its normal work post, the movement must be conducted following the instructions listed below.

- Protect the exposed corners with suitable material (Pluribol/ cardboard).
- Do not use metallic cables for lifting.
- Disconnect all machine power supply sources.
- Lift and transport with suitable device with adequate dimensions.
- Sling with a 100 cm long belt, with a capacity load greater than 1000 kg as shown in Fig. 3.

Fig. 3



8.0 WORKING ENVIRONMENT CONDITIONS

The machine must be operated under proper conditions as follows:

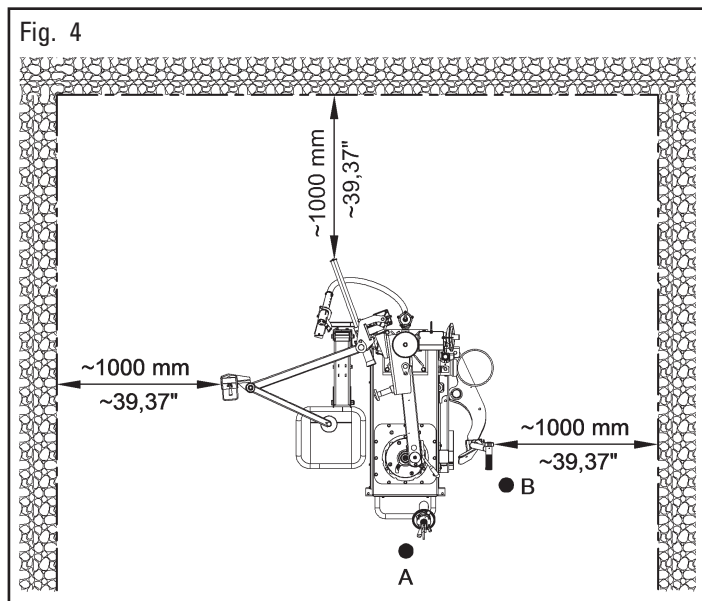
- temperature: 0° + 55° C
- relative humidity: 30 - 95% (dew-free)
- atmospheric pressure: 860 - 1060 hPa (mbar).

The use of the machine in ambient conditions other than those specified above is only allowed after prior agreement with and approval of the manufacturer.

8.1 Working position

In Figure 4 it is possible to identify working positions A and B. Position A is the main position for wheel fitting and removal with the chuck, while position B is ideal to follow wheel bead breaking operations. Working in these positions allows better precision and speed during operating phases as well as greater safety for the operator.

8.2 Installation space



The location of the machine requires a usable space as indicated in Figure 4. The positioning of the machine must be according to the distances shown. From the control position the operator is able to observe all the machine and surrounding area. He must prevent unauthorized personnel or objects that could be dangerous from entering the area.

The machine must be fixed on a flat floor surface, preferably of cement or tiled. Avoid yielding or irregular surfaces.

The base floor must be able to support the loads transmitted during operation. This surface must have a capacity load of at least 500 kg/m².

The depth of the solid floor must be sufficient to guarantee that the anchoring bolts hold.

8.3 Lighting

The machine does not require its own lighting for normal working operations.

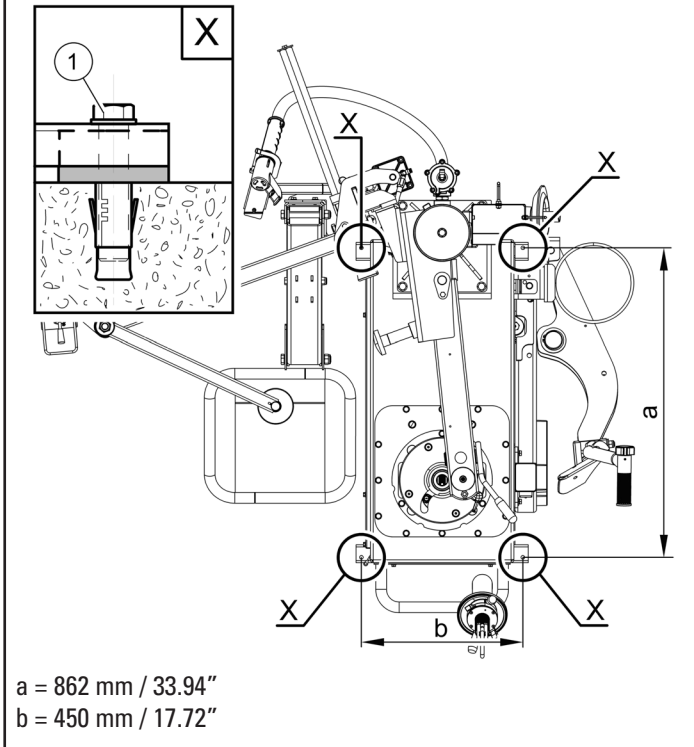
However, it must be placed in an adequately lit environment.

For correct lighting, use lamps having total power 800/1200 Watt as envisaged by UNI 10380.

9.0 ANCHORING SYSTEM

The packed machine is fixed to the support pallet through the holes prearranged on the frame. Such holes can be used also to fix the machine to the ground, through floor anchor small blocks (excluded from supply). Before carrying out the definitive fixing, check that all the anchor points are laid down flat and correctly in contact with the fixing surface itself. If not so, insert shimming profiles between the machine and the fixing lower surface, as indicated in Fig. 5.

Fig. 5



- Execute 4 holes with 10 mm diameter on the floor by the holes on the bottom floor;
- insert the small blocks (excluded from supply) into the holes;
- fix the machine to the ground with 4 M8x80 mm screws (excluded from supply) (Fig. 5 ref. 1) (or with 4 8x80 mm stud bolts (excluded from supply)). Tighten the screws with an approximate tightening torque of 70 Nm.

10.0 ASSEMBLY AND PREPARATION FOR USE



EACH MECHANICAL INTERVENTION MUST BE CARRIED OUT BY PROFESSIONALLY QUALIFIED STAFF.

After having freed the various components from the packing check that they are complete, and that there are no anomalies, then comply with the following instructions for the assembly of the components making use of the attached series of illustrations.

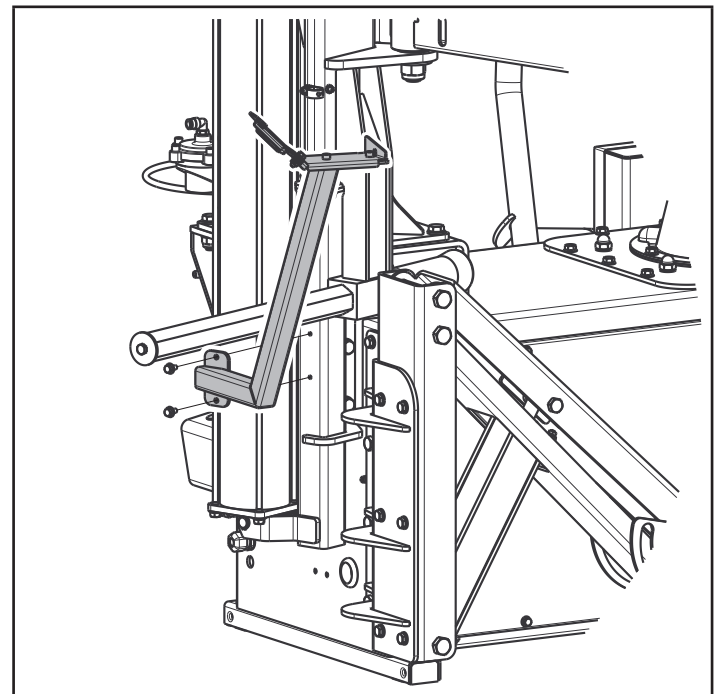
10.1 Fixtures contained in the packing

The packing case contains also the fixtures box. Check that all the parts listed are there.

Description	Qty
Bead lifting lever	1
Pin extension	1
Protection with OR	1
Brush	1
Mounting grease	1
Bead breaker vane guard	1
Lever protection	1
Reverse wheels protection	1
Two-faced burnished cone	1
Balancing plastic tool	1

10.2 Assembly procedures

Fit the support for the tubeless inflation gun to the tire changer by tightening the two screws supplied, as shown in the figure below.



10.3 Electrical connections



EVEN THE TINIEST PROCEDURE OF AN ELECTRICAL NATURE MUST BE CARRIED OUT BY PROFESSIONALLY QUALIFIED STAFF.



BEFORE CONNECTING THE MACHINE MAKE SURE THAT:

- POWER LINE SPECIFICATIONS CORRESPOND TO MACHINE REQUIREMENTS AS SHOWN ON THE MACHINE PLATE;
- ALL MAIN POWER COMPONENTS ARE IN GOOD CONDITION;
- THE ELECTRICAL SYSTEM IS PROPERLY GROUNDED (GROUND WIRE MUST BE THE SAME CROSS-SECTION AREA AS THE LARGEST POWER SUPPLY CABLES OR GREATER);
- MAKE SURE THAT THE ELECTRICAL SYSTEM FEATURES A CUTOUT WITH DIFFERENTIAL PROTECTION SET AT 30 MA.

As envisaged by the regulations in force, the machine is not equipped with a master circuit breaker, but simply has a plug-socket connection to the electrical mains.

The machine is supplied with a cable. A plug corresponding to the following requirements must be connected to the cable:



FIT A TYPE-APPROVED PLUG TO THE MACHINE CABLE (THE GROUND WIRE IS YELLOW/GREEN AND MUST NEVER BE CONNECTED TO ONE OF THE PHASE LEADS).



MAKE SURE THAT THE ELECTRICAL SYSTEM IS COMPATIBLE WITH THE RATED POWER ABSORPTION SPECIFIED IN THIS MANUAL AND APT TO ENSURE THAT VOLTAGE DROP UNDER FULL LOAD WILL NOT EXCEED 4% OF RATED VOLTAGE (10% UPON START-UP).

Type	Voltage	Amperage	Poles	Minimum IP rating
NEMA L6-20P	220 V	16 A	1 Pole + Ground	IP 54

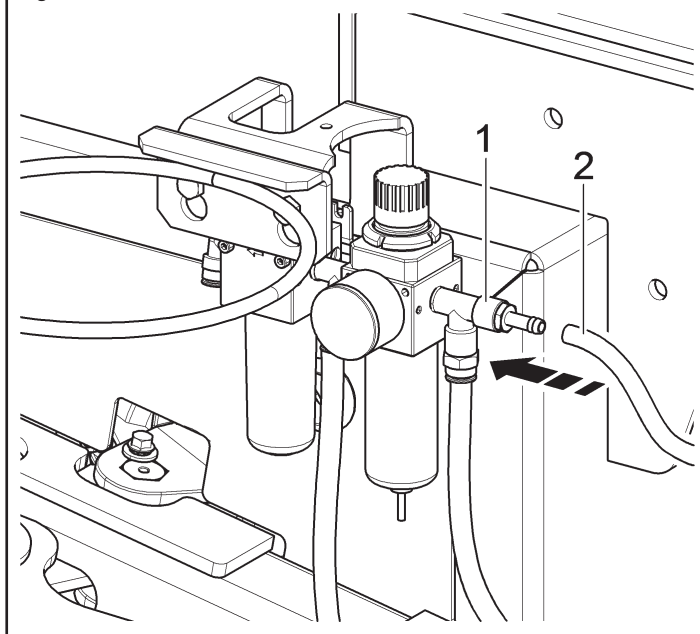
10.4 Air connection



EACH PNEUMATIC INTERVENTION MUST BE CARRIED OUT BY PROFESSIONALLY QUALIFIED STAFF.

Connect the tire changer to the workshop compressed air system by means of plug (Fig. 6 ref. 1).

Fig. 6



The pressurized pipe coming from the mains must have a section of 1/4x10 (Fig. 6 ref. 2).

The filter unit is already mounted on the machine.

10.5 Controls



BEFORE STARTING UP THE TIRE-CHANGER, BE SURE TO BECOME FAMILIAR WITH THE LOCATION AND OPERATION OF ALL CONTROLS AND CHECK THEIR PROPER OPERATION (SEE PAR. "CONTROLS").



CARRY OUT A DAILY CHECK OF MAINTAINED-TYPE CONTROLS CORRECT FUNCTIONING, BEFORE STARTING MACHINE OPERATION.

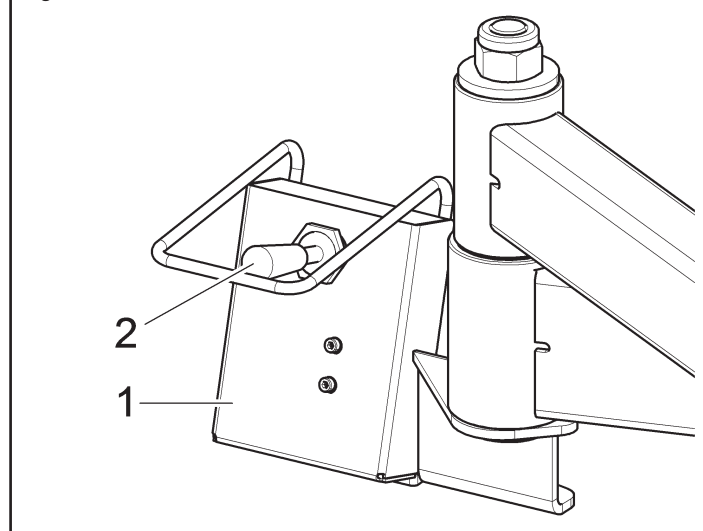
11.0 CONTROLS

11.1 Plus device control unit

It is made up of an handle control (Fig. 7 ref. 1), positioned on the device. This handle control allows to operate the vertical translation of the pressor rolls. Lift the lever (Fig. 7 ref. 2) to operate the upwards translation, and lower the lever (Fig. 7 ref. 2) to perform the downwards translation.

Pressor roll positioning next to the tire is a completely manual operation.

Fig. 7



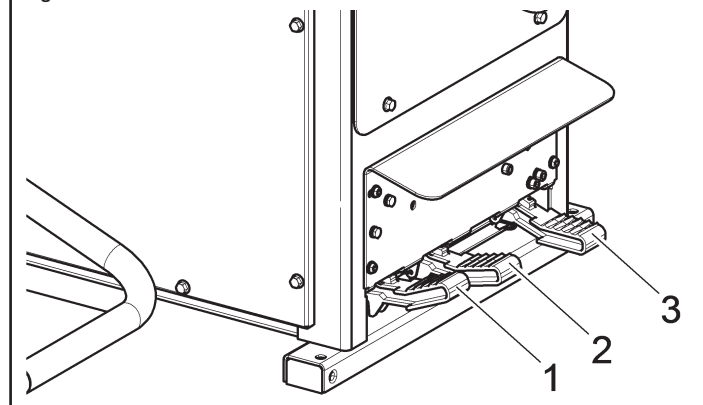
11.2 Pedalboard

The inflation pedal (Fig. 8 ref. 1) has two functions: the delivering of air at controlled pressure (max $4,2 \pm 0,2$ bar 60 PSI), and a second function of a jet of air from the inflation nozzle to assist the beading in of the tire.

The maintained control pedal (Fig. 8 ref. 2) operates the handling of the wheel lifting device. Pulling the pedal downwards the lifting device starts its rise while, on the contrary, pulling the pedal upwards the lifting device starts descending. Releasing the pedal at any time will provoke the lifting devices stop.

The pedal (Fig. 8 ref. 3) has two maintained control operative positions. When it is pushed downwards it controls chuck motor clockwise rotary movement. When the pedal is lifted upwards it operates the opposite movement.

Fig. 8

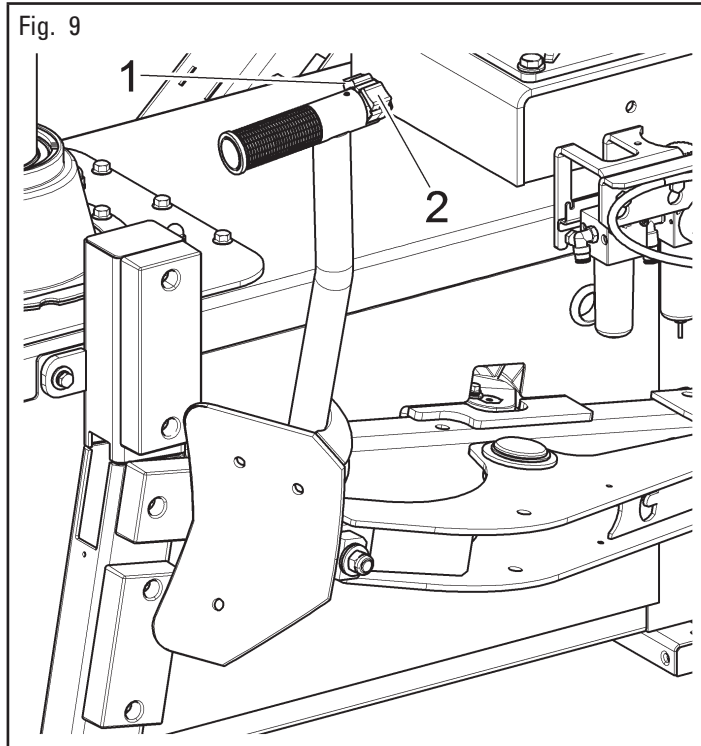




DO NOT CHANGE THE SET OPERATING PRESSURE VALUE BY MEANS OF THE MAXIMUM PRESSURE VALVES. THE MANUFACTURER SHALL NOT BE RESPONSIBLE FOR INJURY OR DAMAGE ARISING FROM UNAUTHORISED CHANGES.

11.3 *Bead breaking vane control knob*

The side bead breaker control device consists of a handle placed on the bead breaker itself and equipped with 2 push buttons. The maintained action push button (Fig. 9 ref. 1), when pressed, operates vane progress towards the tire, while maintained action push button (Fig. 9 ref. 2), when pressed, operates vane opening outwards.



12.0 USING THE MACHINE

12.1 *Precaution measures during tire removal and fitting*



Before fitting a tire, observe the following safety rules:

- rim and tire must always be clean, dry and in good condition; if necessary, clean the rims and check that:
 - neither the bead nor the tread of the tire are damaged;
 - the rim does not produce dents and/or deformation (especially for alloy rims, dents can cause internal micro-fractures, that pass unobserved at visual inspection, and can compromise the solidity of the rim and constitute danger even during inflation);
- adequately lubricate the contact surface of rim and the tire beads, using specific tire lubricants only;
- replace the inner tube valve with a new valve, if the tire tube has a metal valve, replace the grommet;
- always make sure that tire and rim sizes are correct for their coupling; on the contrary, never fit a tire unless you are sure it is of the right size (the rated size of rim and tire is usually printed directly on them);
- do not use compressed air or water jets to clean the wheels on the machine.

12.2 *Preliminary operations - Preparing the wheel*

- Remove the wheel balancing weights from both sides of the wheel.



REMOVE THE VALVE STEM AND ALLOW THE TIRE TO COMPLETELY DEFLATE.

- Establish from which side the tire should be demounted, checking the position of the groove.
- Find the rim locking type.
- Try to establish the special types of wheels, such as "TD" and "AH", in order to improve locking, bead breaking, assembly and disassembly performances.

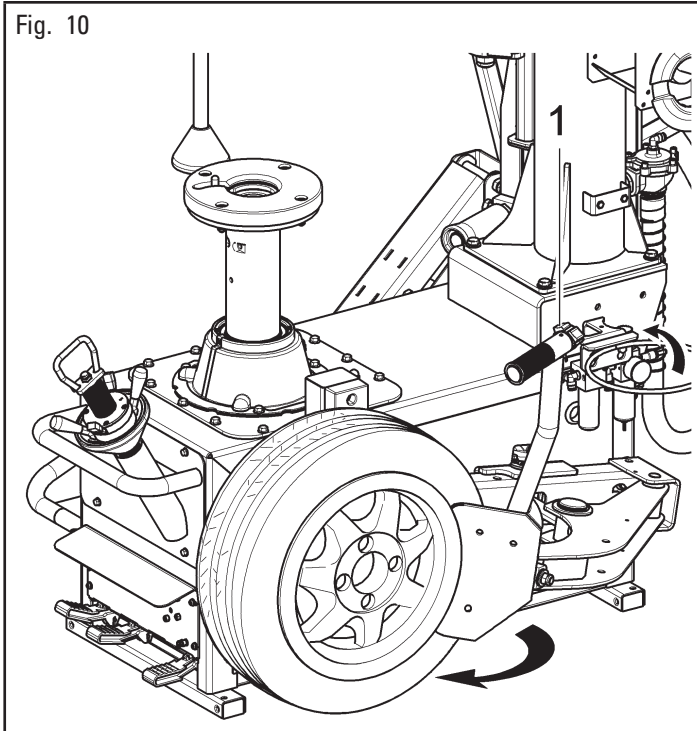
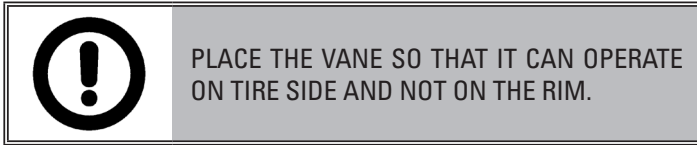


WHEN HANDLING WHEELS WEIGHING MORE THAN 10 KG AND/OR WITH A FREQUENCY OF MORE THAN 20/30 WHEELS PER HOUR, A LIFTING DEVICE SHOULD BE USED.

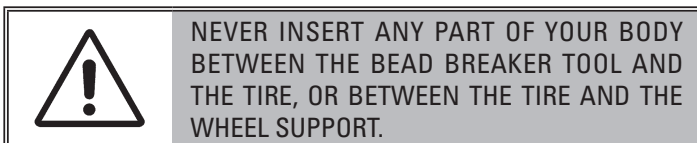
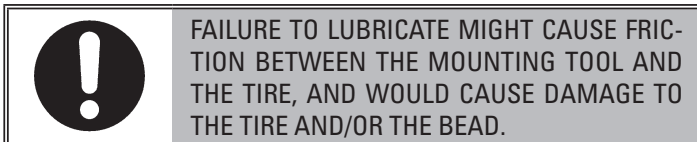
12.3 Bead breaking

After preparing the wheel as described in the previous point, follow the instructions given below to carry out the bead breaking procedure:

1. Position the wheel as indicated in Fig. 10 and move the bead breaker tool toward the edge of the rim.



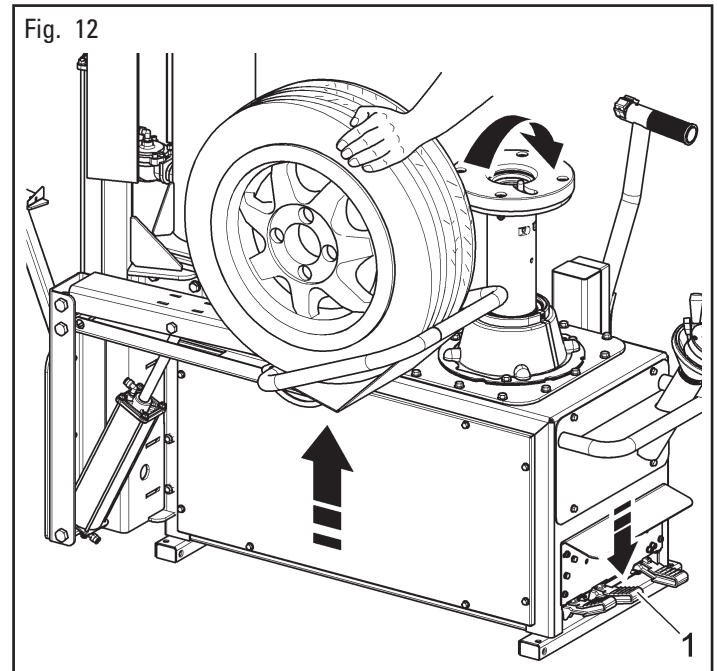
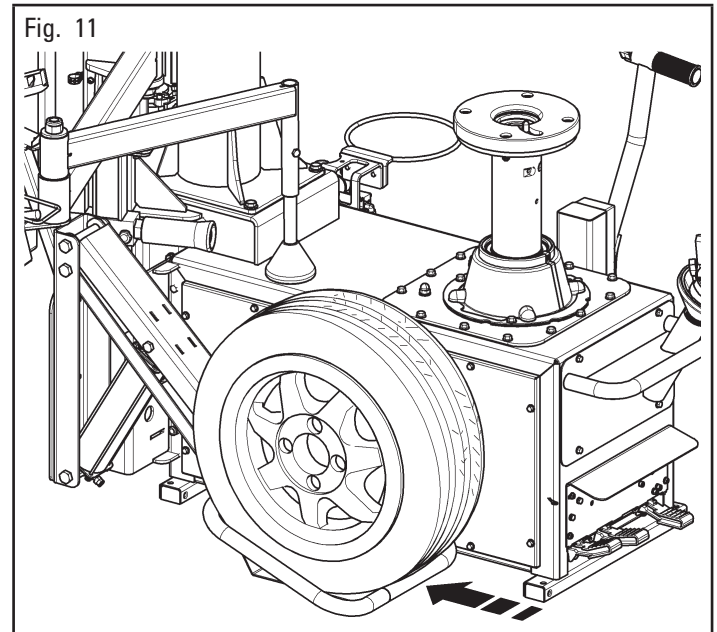
2. Move the bead breaker vane closer by pushing the push button (Fig. 10 ref. 1) until the bead has detached. If the bead does not detach the first time, repeat the operation, on different points of the wheel, until it has come away completely.
3. Reverse the position of the wheel and repeat the operation on the other side.
4. Lubricate the tire carefully along the entire circumference of the bead on both sides.



12.4 Use of the lifting device

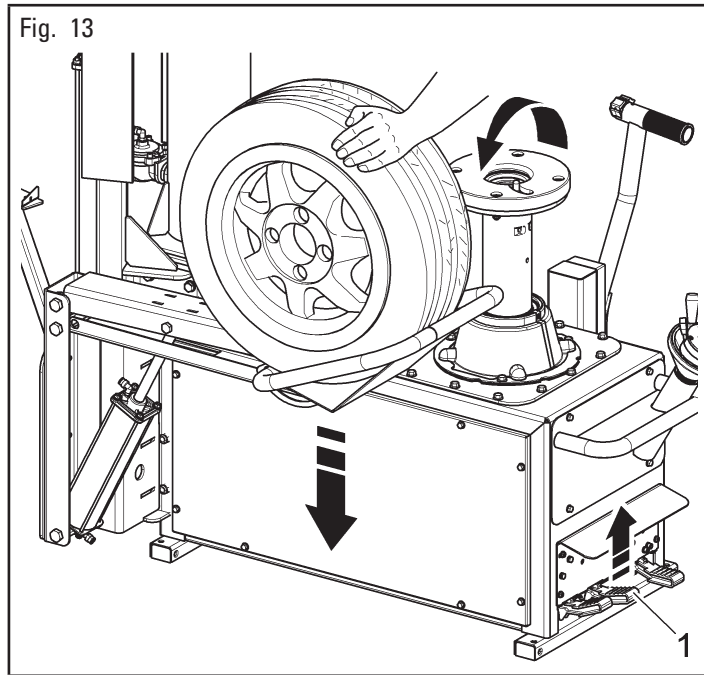



1. After placing the wheel on the lifting plate (see Fig. 11), press the lifting device drive pedal (Fig. 12 ref. 1) downwards and bring the wheel to a level where it can be shifted to the chuck by hand (see Fig. 12).



2. Place the wheel on the chuck.
3. Lift the pedal (Fig. 8 ref. 2) upwards in order to lower the lifting plate.
4. Perform all the tire fitting and removal operations (described here as follows) and unlock the wheel from the chuck.

5. Lift the lifting plate by pressing again the pedal downwards (Fig. 8 ref. 2).
6. Place the wheel on the lifting plate (see Fig. 12).
7. Operate the pedal again (Fig. 13 ref. 1) upwards to make the plate lower and bring back the wheel to the ground keeping a hand on it (see Fig. 13).

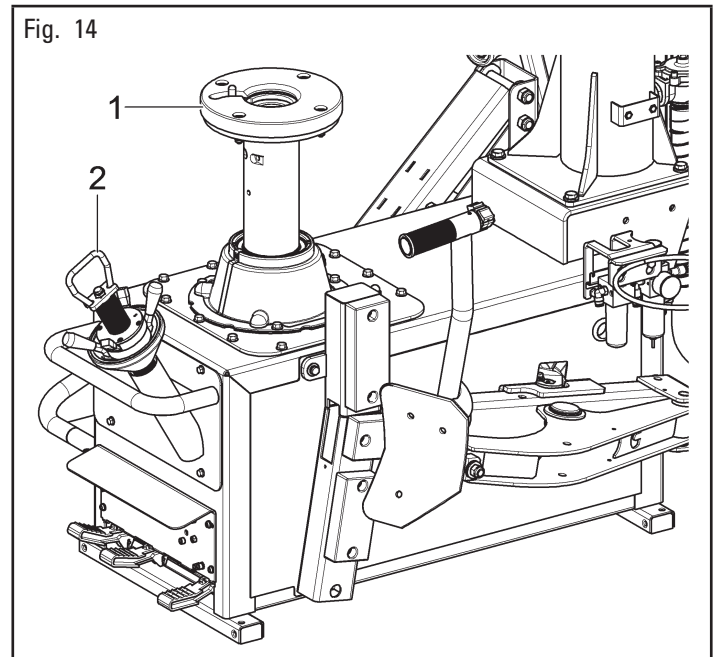





KEEP A HAND ON THE WHEEL DURING ALL LIFTING DEVICE'S RISING AND DESCENT PHASES, TO PREVENT THE WHEEL FROM FALLING FROM THE LIFTER BECAUSE OF IMBALANCES.

12.5 Wheel clamping

All wheels must be locked on the rubber plate (Fig. 14 ref. 1) through the central hole using the proper locking device (Fig. 14 ref. 2).

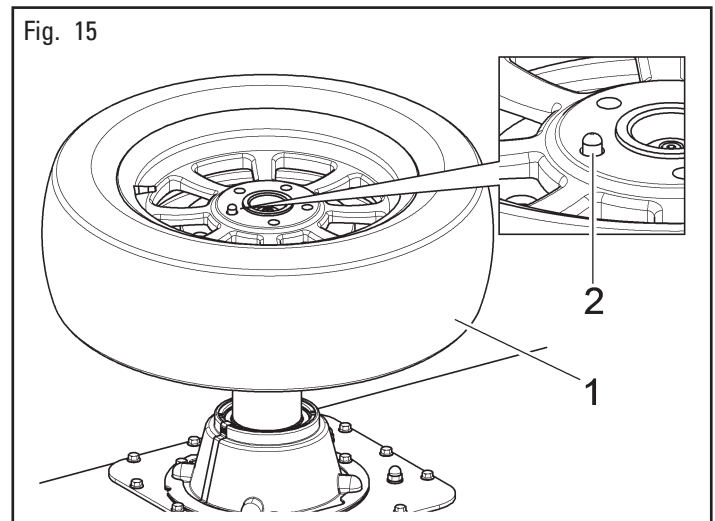





IN CASE OF USE OF RIMS WITHOUT CENTRAL HOLE, IT'S NECESSARY TO USE THE PROPER FIXTURE (AVAILABLE ON DEMAND).

To lock a rim proceed as follows:

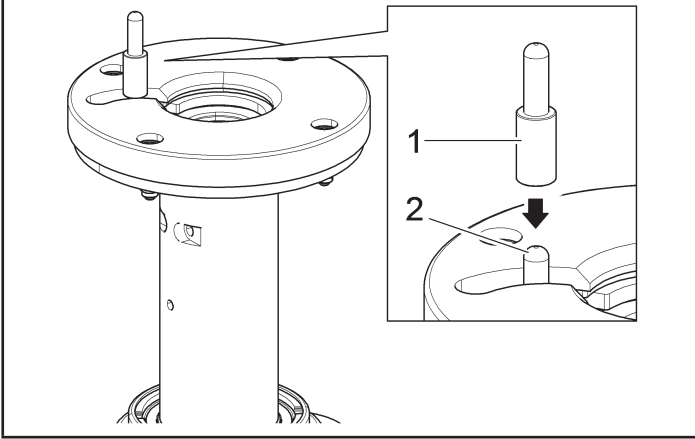
1. Dowel the wheel (Fig. 15 ref. 1) on the rubber plate and check that the dragging pin (Fig. 15 ref. 2) enter in a hole placed on the rim hub.





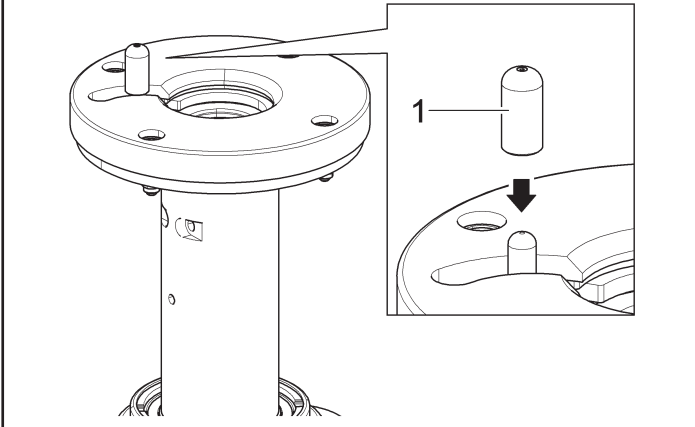
IF THE WHEEL HUB IS HIGHER THEN THE DRAGGING PIN (FIG. 16 REF. 2), USE THE EXTENSION (FIG. 16 REF. 1) SUPPLIED ON ISSUE.

Fig. 16



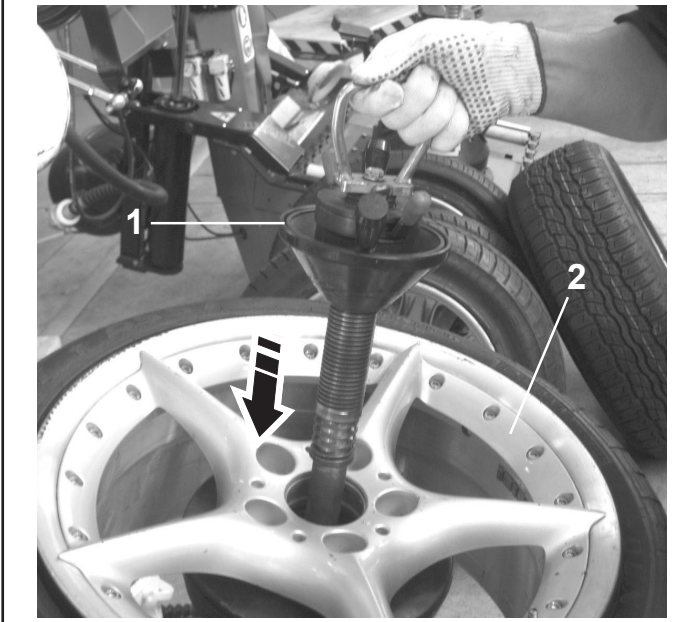
FOR WHEELS WITH ALLOY RIMS, USE THE PROPER PLASTIC GUARD (FIG. 17 REF. 1).

Fig. 17



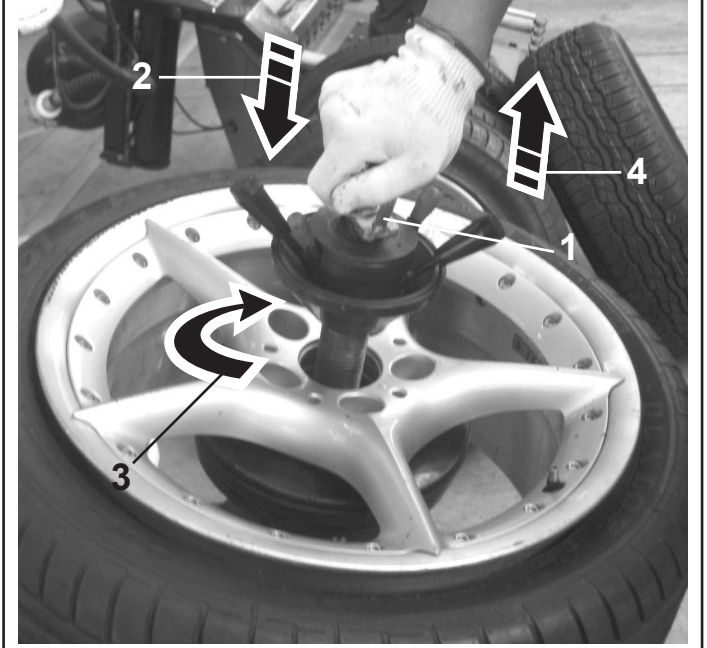
2. Insert the shaft complete with cone (Fig. 18 ref. 1) on the rim (Fig. 18 ref. 2).

Fig. 18



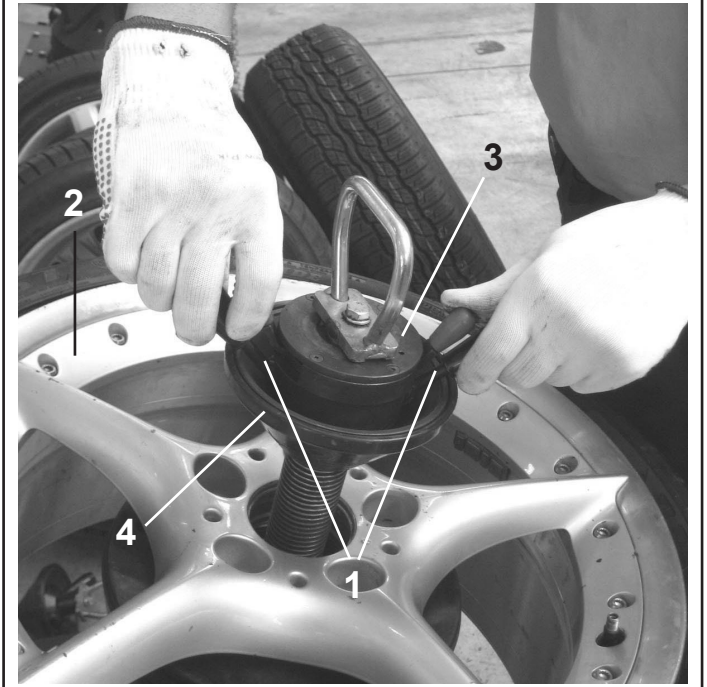
3. Through the proper handle (Fig. 19 ref. 1), push down (Fig. 19 ref. 2), turn by 90° (Fig. 19 ref. 3) and lift the shaft (Fig. 19 ref. 4) to hook it into the hole.

Fig. 19



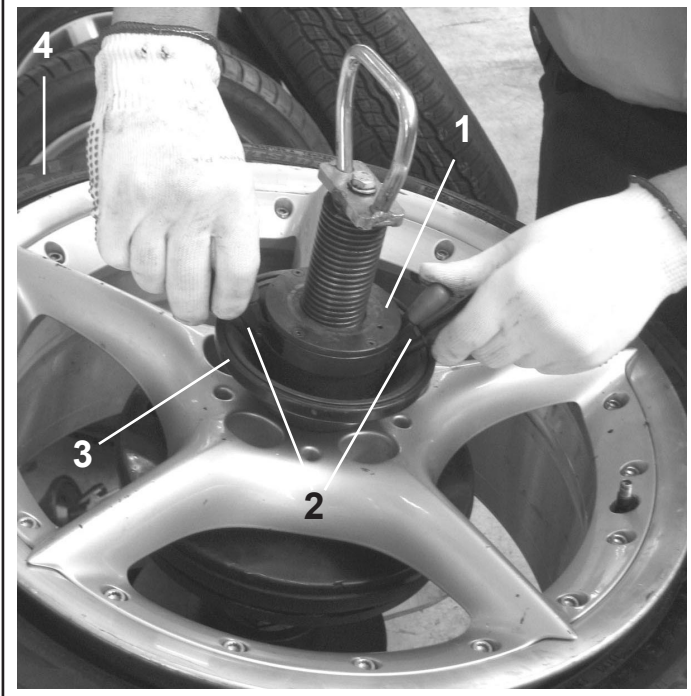
4. Trough the internal little levers (Fig. 20 ref. 1), loose the ring nut and approach the ring nut (Fig. 20 ref. 3) and cone (Fig. 20 ref. 4) to the rim (Fig. 20 ref. 2).

Fig. 20



5. Then, turn the ring nut (Fig. 21 ref. 1) through the external levers (Fig. 21 ref. 2) until the cone complete clamping (Fig. 21 ref. 3) on the wheel (Fig. 21 ref. 4).

Fig. 21



6. At the end of the operations, loosen the device releasing first the cone with the external levers and then moving the ring nut and the cone away from the rim with the small levers.
7. Lower the shaft to release it from its seat, turn it of 90° on counter-clockwise and extract it from the hole through the proper handle.

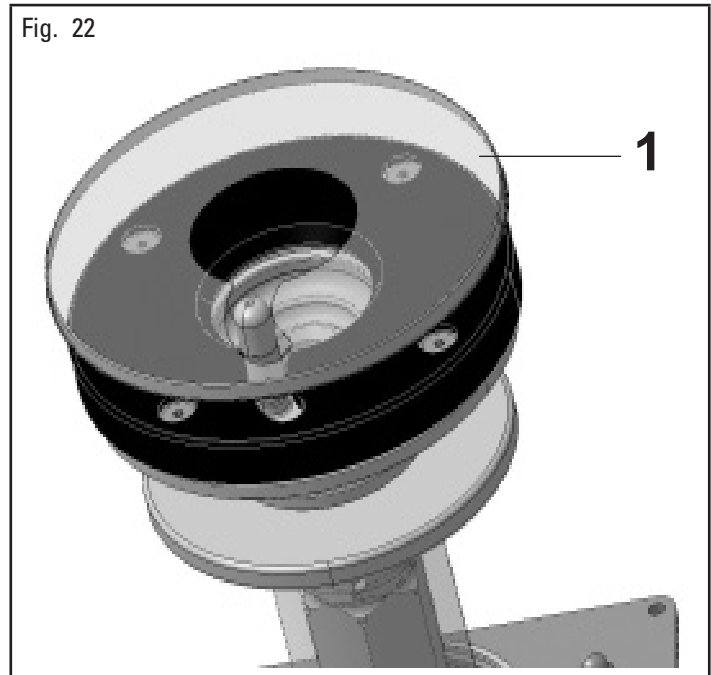


NEVER LEAVE THE WHEEL FITTED ON THE MACHINE FOR A PERIOD LONGER THAN NECESSARY FOR CARRYING WORK AND IN ANY CASE NEVER LEAVE IT UNATTENDED.

12.5.1 Reverse wheel pan protection

In case of use of reverse wheels, to protect the rim, apply on the rubber platform a protection made of a transparent plastic material available on demand (Fig. 22 ref. 1). We suggest you a constant replacement of it and in any case if there are visible damages (see Fig. 22).

Fig. 22



12.6 Demounting



KEEP YOUR HANDS AND BODY AWAY FROM MOUNTING TOOL DURING DISASSEMBLY/ ASSEMBLY OPERATIONS TO AVOID SQUASHING DANGER.

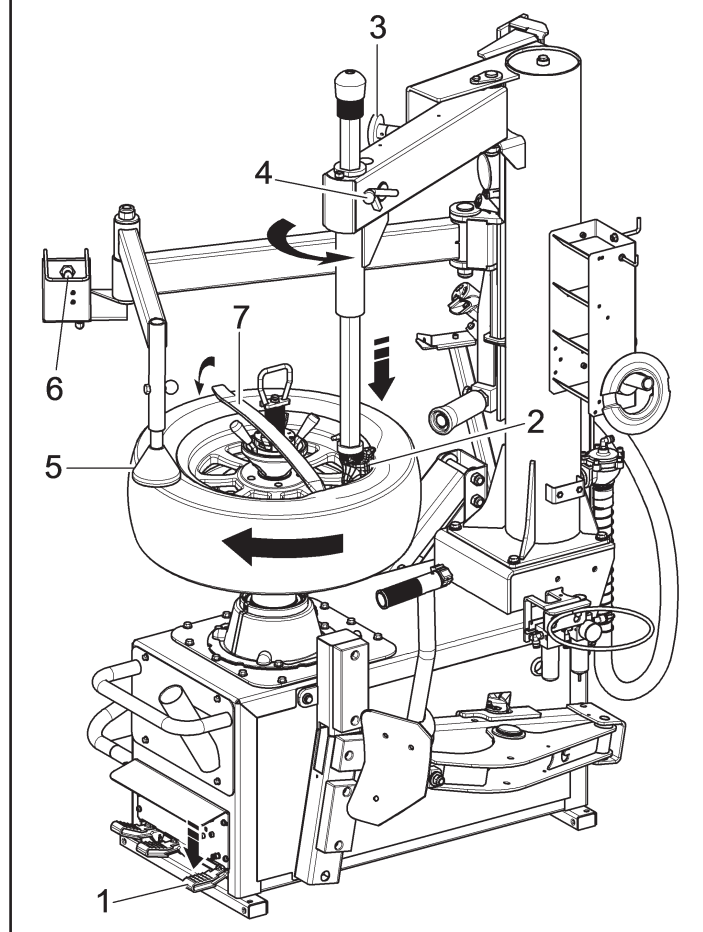
Extraction of the first bead

After clamping the wheel, the tire is demounted following the instructions given below, with reference to Fig. 23.

1. Push the rotation pedal (Fig. 23 ref. 1) to rotate the wheel clockwise until the valve stem reaches "3 o'clock" position.
2. Place the mounting/demounting tool (Fig. 23 ref. 2) on the rim edge through the knob (Fig. 23 ref. 3).
3. Block in position operating on the lever (Fig. 23 ref. 4).
4. Adjust the tangency point of the tool (Fig. 23 ref. 2) to the rim through the knob (Fig. 23 ref. 3).
5. Place the presser cone (Fig. 23 ref. 5) in "6 o'clock" position and press on the tire operating the lever of the control unit (Fig. 23 ref. 6) downwards, until the tire bead is placed next to the rim groove.
6. Use the same lever (Fig. 23 ref. 7) to lift the bead onto the right end of the mounting tool (Fig. 23 ref. 2) and position it parallel with the rim plate pressing at the same time on the side of the tire with Plus device (Fig. 23 ref. 5) in "6 o'clock" position.

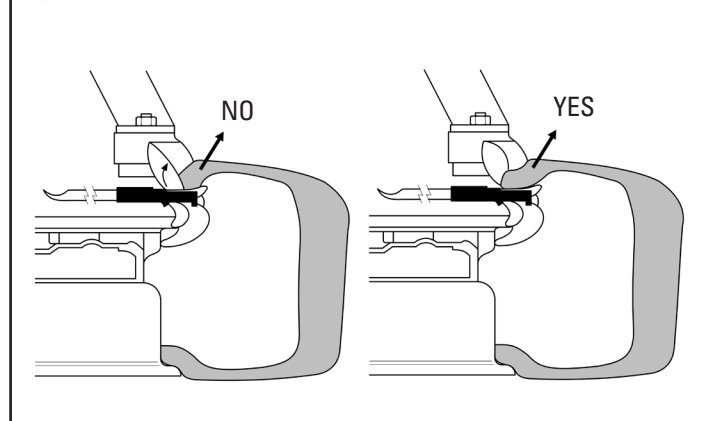
7. Press the rotation (Fig. 23 ref. 1) pedal to turn the wheel clockwise until the whole bead has been removed from the rim. During the rotation of the wheel, the bead lifting tool (Fig. 23 ref. 7) slides away from the mounting tool moving onto the rim edge.

Fig. 23



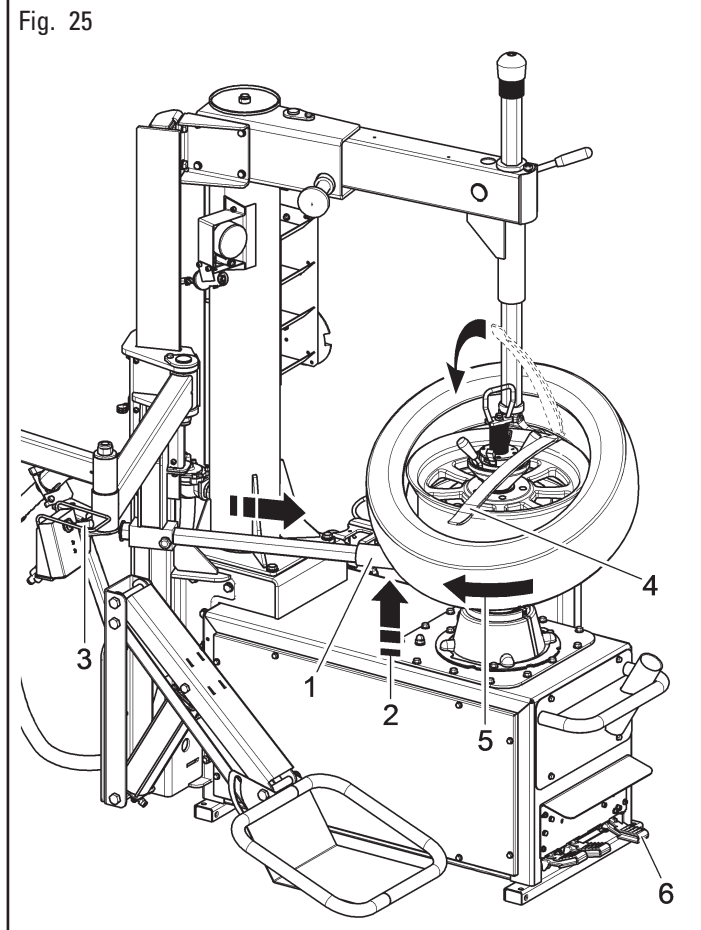
8. Remove the inner tube (if fitted).
9. When demounting hard tires, it may happen that the bead comes onto the mounting tool with the lip turned. This causes the bead to slide from the lever when clockwise rotation begins. To avoid this problem rotate the wheel slightly anti-clockwise until the bead flattens. Now the clockwise demounting cycle can begin (See Fig. 24).

Fig. 24



Extraction of the second bead

10. Move the bead lifting roll (Fig. 25 ref. 1) close from its position up to approximately 1 cm from rim lower edge.
11. Lift the tire (Fig. 25 ref. 2) with the bead lifting roll by lifting control unit lever upwards (Fig. 25 ref. 3).
12. Load the second bead on the tool by means of the proper lever (Fig. 25 ref. 4).
13. Turn the chuck clockwise (Fig. 25 ref. 5) by pressing the rotation pedal (Fig. 25 ref. 6) and extract the tire from the rim.



14. When these operations are over move the tool, the presser cone and the bead breaker roll into rest position.

If the motor slows down or stops during tire demounting and mounting, make the following checks:

- check that the bead has been lubricated;
- check that the bead has been pushed into the groove;
- check that the right side of the rim has been chosen for demounting or mounting the tire;
- check that the rim groove is not off-center.

12.7 Setting the tool for tire fitting and removal

The tool is locked in position to a hexagon stand through 4 upper horizontal-axis dowels and a lower vertical-axis screw. The adjusting clamps lock the tool in its working position. Adjusting clamps also set head distance from the wheel rim. Head top is concave for smoother positioning. For tool setting a 14" rim with good concentricity degree and standard profile, better if with flat upper edge and proper right angle to its spin axis, is required.

12.7.1 Setting neck travel



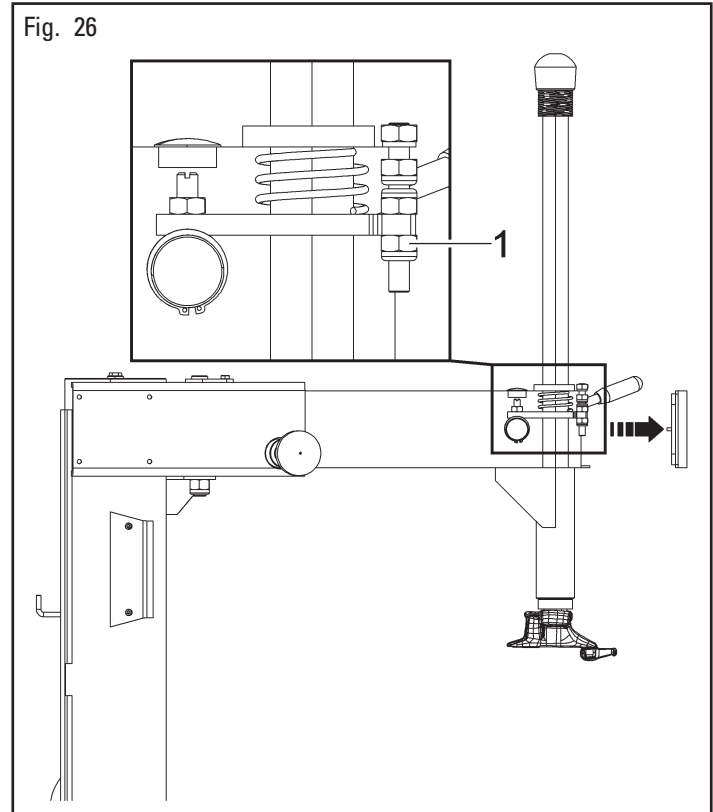
SET THE CLAMPS BEFORE POSITIONING THE HEAD. AT THIS STAGE THE HEAD HAS NOT BEEN SET TO ITS FINAL POSITION YET BUT IT IS CLOSE TO ITS FINAL POSITION BEING LOCKED THROUGH THE UPPER DOWELS.

- Setting neck travel (Fig. 26)

Tire changers equipped with fixed stand and "swing" arm only have a single horizontal clamp setting head distance from the rim in vertical direction.

Release the lever (after removing the cover at swing arm end) and then turn the nut (Fig. 26 ref. 1) to adjust the clamp:

- turn the nut (Fig. 26 ref. 1) clockwise for shorter travel of the tool,
- turn the nut (Fig. 26 ref. 1) anti-clockwise for longer travel of the tool.



12.7.2 Setting the tool for tire fitting and removal

When finished with clamp adjustment, set head position along its three orthogonal axes using the 14" diameter sample rim. Tighten the dowels and the lower screw firmly to lock the head in position. When finished, correct head working position (equipped with insert) when locked should be as shown in Fig. 27A - 27B. Tighten bolts and nuts to the following torque values:

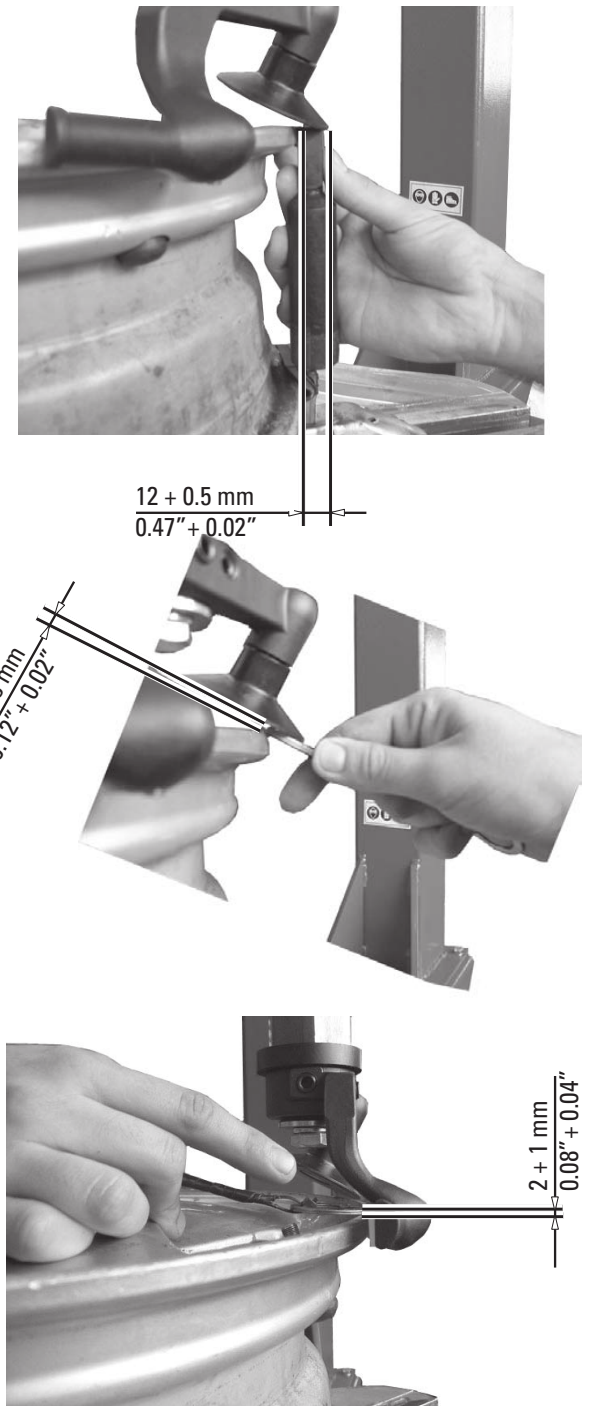
- lower screw: 70 Nm.
- neck bolts: 40 Nm.

Fig. 27A



Fig. 27B

Rims with projecting spokes



12.8 Mounting the tire



KEEP YOUR HANDS AND BODY AWAY FROM MOUNTING TOOL DURING DISASSEMBLY/ ASSEMBLY OPERATIONS TO AVOID SQUASHING DANGER.

To mount the tire, proceed as follows:

1. lubricate the tire's beads,



USE ONLY TIRE LUBRICANTS. SUITABLE LUBRICANTS CONTAIN NO WATER, HYDROCARBONS, OR SILICON.

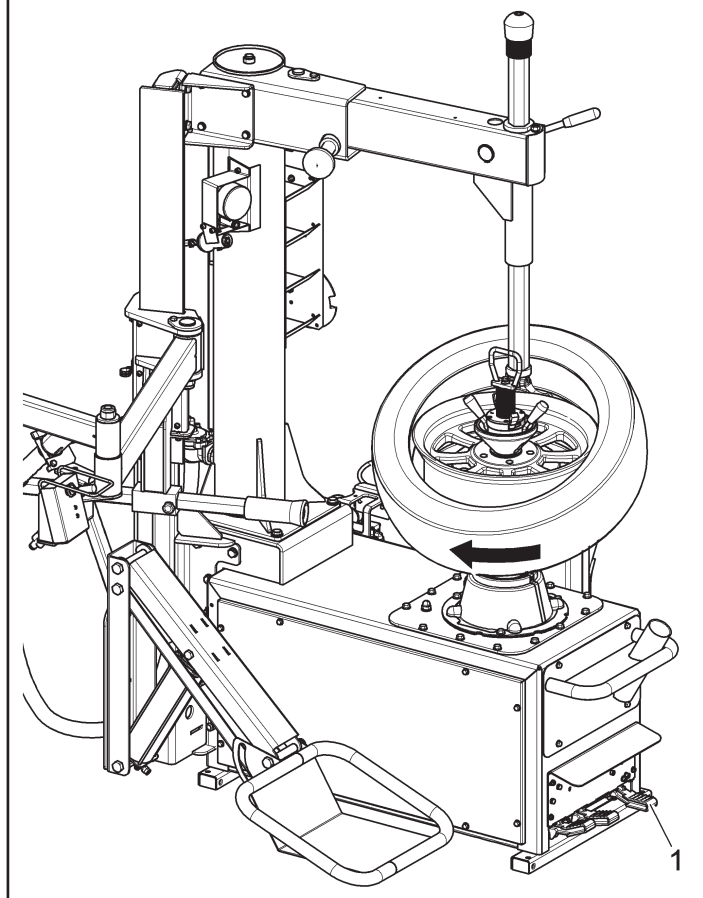
2. place the tire on the rim and place the mounting tool on the outer edge of the rim (Fig. 28).



WHEN PLACING ARM IN WORKING POSITION, DO NOT LEAN HANDS ON THE RIM: DANGER OF SQUEEZING BETWEEN HEAD AND RIM.

3. Place the edge of the lower bead on the left-hand part of the mounting tool as in Fig. 28 and turn chuck clockwise by pressing the rotation pedal (Fig. 28 ref. 1) up to complete demounting.

Fig. 28



4. If an inner tube tire must be fitted, insert the inner tube.



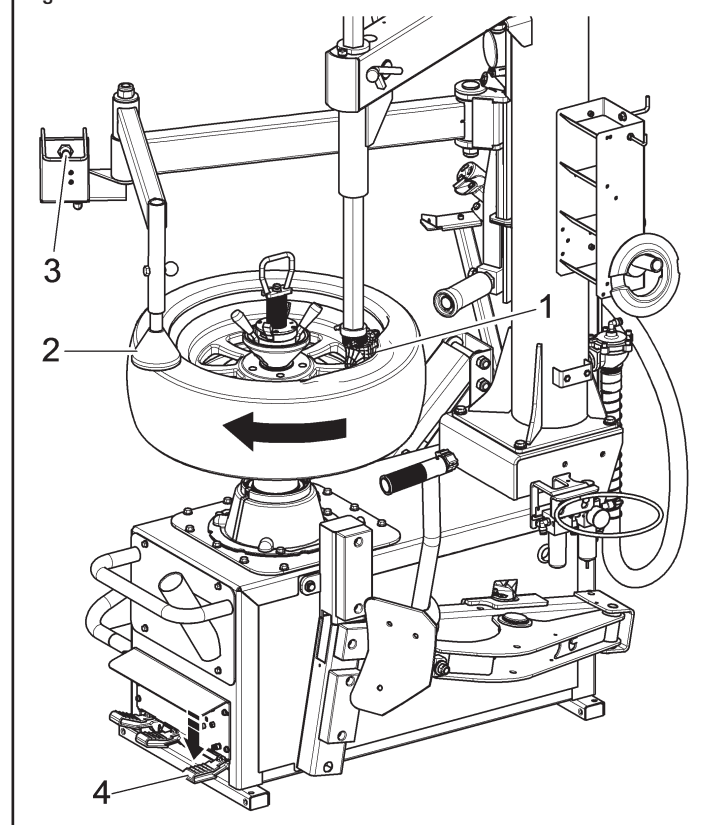
WHEN TIRE IS TUBELESS TYPE, START ASSEMBLY PROCEDURES WITH VALVE SET AT "4/5 O' CLOCK".



BE VERY CAREFUL, KEEP HANDS AND OTHER BODY PARTS FAR OFF THE HEAD WHEN THE CHUCK IS TURNING: DANGER OF SQUEEZING.

5. Then, position the upper bead on the tool assembly area (Fig. 29 ref. 1) taking care first to position the valve stem at "4-5 o'clock". Place the presser cone (Fig. 29 ref. 2) in "6 o'clock" position and press on the tire operating the lever of the control unit (Fig. 29 ref. 3) downwards.
6. Rotate clockwise (Fig. 29 ref. 4), until tire complete assembly.
7. When these operations are over move the tool and grip-cone into rest position.

Fig. 29



BOTH TIRE FITTING AND REMOVAL MUST BE CARRIED OUT WITH THE CHUCK TURNING CLOCKWISE. TURN THE CHUCKING TABLE ANTICLOCKWISE ONLY IF ADJUSTMENTS ARE REQUIRED.

12.9 Tire inflation



TIRE INFLATING OPERATIONS ARE HAZARDOUS FOR THE OPERATOR. IF NOT PROPERLY EXECUTED THEY CAN CAUSE DAMAGE FOR USERS OF VEHICLES WHERE TIRES ARE FITTED.



STANDARD OR OPTIONAL INFLATING UNITS FITTED ON TIRE CHANGERS ARE EQUIPPED WITH A PRESSURE LIMITING DEVICE WHICH ALMOST ELIMINATES ANY RISK OF TIRE EXPLOSION DURING TIRE INFLATING. AN OUTSTANDING RISK OF EXPLOSION STILL EXISTS. THEN THE FOLLOWING PRECAUTIONS MUST BE RESPECTED:

- OPERATORS SHOULD WEAR SUITABLE PROTECTIVE CLOTHING LIKE: GLOVES, SAFETY EYEWEAR AND EARCAPS.
- BEFORE FITTING A TIRE, CHECK TIRE AND RIM CONDITIONS AS WELL AS PROPER COUPLING.
- CORRECT WORKING POSITION: DURING TIRE BEADING AND INFLATING THE OPERATOR MUST KEEP BODY AS FAR AS POSSIBLE FROM THE TIRE.
- COMPLIANCE WITH TIRE MANUFACTURER'S SPECIFICATIONS FOR TIRE INFLATION PRESSURE.



IF MEASURED PRESSURE EXCEEDS 4,2 BAR, IT MEANS THAT THE PRESSURE LIMITING VALVE AND/OR PRESSURE GAUGE IS NOT WORKING PROPERLY. IN THIS CASE, DEFLATE THE TIRE ON THE SPOT AND CONTACT AN AUTHORIZED SERVICE CENTER TO VERIFY EQUIPMENT OPERATION. MAKE SURE OF PROPER OPERATION BEFORE USING ANY INFLATING EQUIPMENT.

12.10 Tubeless tire inflation device

Some types of tires can be difficultly inflated if the beads are not in contact with the rim. The tubeless inflation device supplies a jet of high-pressure air from the nozzle, which encourages the correct positioning of the bead against the rim, and therefore normal inflation. In order to carry out the inflation of the tire follow these indications:

- Remove the valve stem core.
Removing the valve stem core will allow the tire to inflate faster and the bead to seat easier.
- Connect the inflation terminal to the valve of the tire.



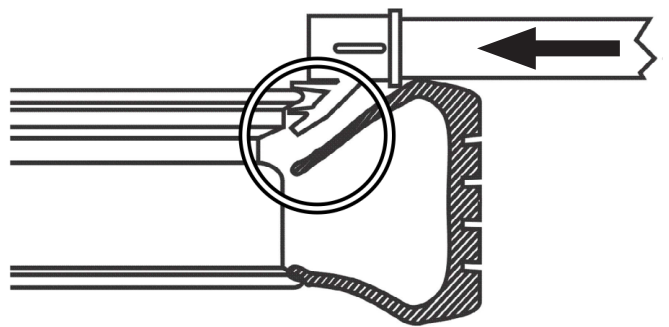
TO IMPROVE THE EFFECTIVENESS OF TUBELESS INFLATION SYSTEM, ALWAYS LUBRICATE TIRE BEADS.

- Press the bead blaster hose on the wheel rim as shown in Fig. 30. Ensure the hose head is pressed in to activate the additional air jet.




THE NOZZLE SHOULD BE HORIZONTAL FOR OPTIMAL PERFORMANCE (FIG. 30).

Fig. 30




IN ORDER TO ALLOW THE AIR JET TO BREAK BOTH BEADS, DO NOT KEEP THE BEAD LIFTED FORCING IT.

- Press completely downwards the inflating pedal, in order to release a high pressure air jet through the tubeless inflation nozzle.
- Keep the inflating pedal partially pressed downwards to inflate the tire and place the beads in their seats.



DO NOT EXCEED THE PRE-ARRANGED PRESSURE VALUES WHILE SEALING THE BEAD.


- After the beads take place in their own seat, disconnect the inflating terminal and install again the valve gear, that was removed previously.
Then connect the inflating terminal and inflate the tire with the required pressure.



IF THE TIRE GETS INFLATED TO MUCH, IT IS POSSIBLE TO EXHAUST THE AIR FROM THE TIRE, BY PUSHING THE MANUAL DEFLATING PUSH BUTTON LOCATED UNDER THE PRESSURE GAUGE.

- Disconnect the inflation terminal from the valve.

13.0 ROUTINE MAINTENANCE




BEFORE CARRYING OUT ANY ROUTINE MAINTENANCE PROCEDURE, DISCONNECT THE MACHINE FROM ITS POWER SUPPLY SOURCES, TAKING SPECIAL CARE OF THE ELECTRICAL PLUG/SOCKET CONNECTION.

To guarantee the efficiency and correct functioning of the machine, it is essential to carry out daily or weekly cleaning and weekly routine maintenance, as described below.

Cleaning and routine maintenance must be conducted by authorized personnel and according to the instructions given below.

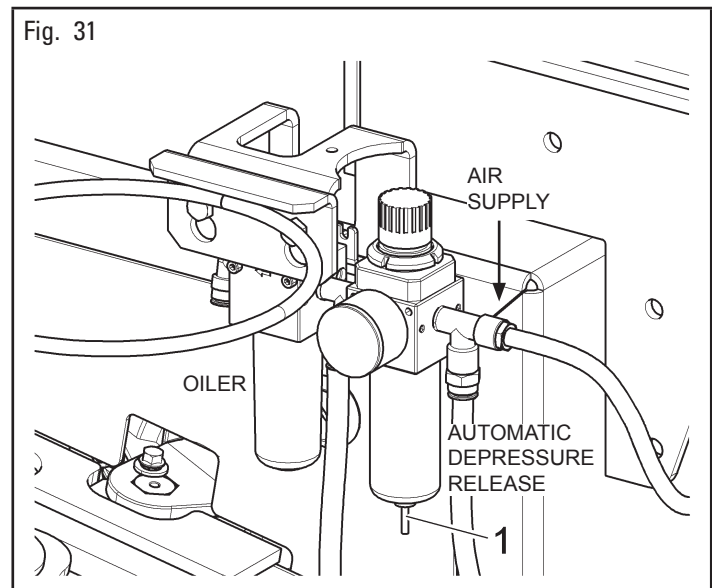
- Disconnect the mains power supply before starting any cleaning or routine maintenance operations.
- Periodically check the calibration of the lubricator of the pressure regulator/oiler unit: 1 oil drop every 11-15 revolutions of self-centring chuck motor.
- Remove deposits of tire powder and other waste materials with a vacuum cleaner.



BEFORE CARRYING OUT ANY MAINTENANCE OPERATIONS, MAKE SURE THERE ARE NO WHEELS CLAMPED ON THE CHUCK AND THAT ALL SUPPLIES TO THE MACHINE HAVE BEEN DISCONNECTED.

DO NOT BLOW IT WITH COMPRESSED AIR.

- Do not use solvents to clean the pressure regulator.
- The conditioning unit is equipped with an automatic vacuum-operated drain therefore it requires no manual intervention by the operator (see Fig. 31).





IN ORDER TO ENSURE A GOOD FUNCTIONING AND TO AVOID THE PRESENCE OF CONDENSATION IN THE AIR TREATMENT UNITS WITH SEMI-AUTOMATIC DRAIN, IT'S NECESSARY TO MAKE SURE ABOUT THE CORRECT POSITION OF THE VALVE (FIG. 31 REF. 1), PLACED UNDER THE CAP. TO ACTIVATE A CORRECT DRAIN FUNCTION, THE CAP MUST BE ROTATED IN THE RIGHT WAY.



IN ORDER TO ALLOW A LONGER LIFE OF THE FILTER AND OF ALL MOVING PNEUMATIC DEVICES, YOU HAVE TO MAKE SURE THAT THE SUPPLIED AIR IS:

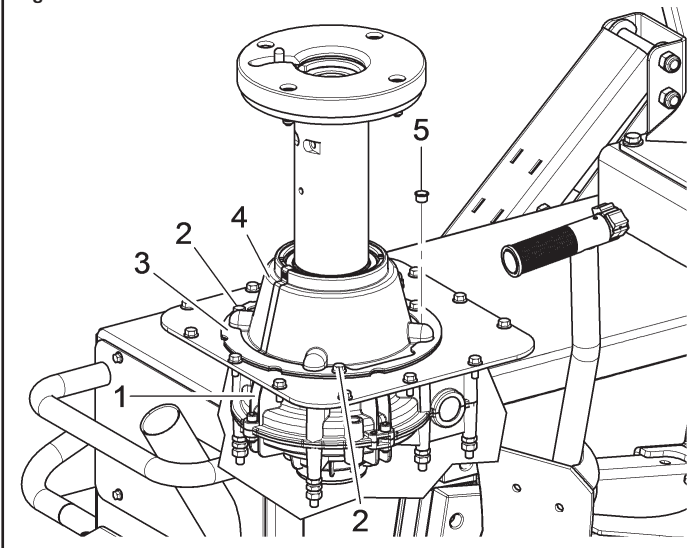
- EXEMPT FROM THE LUBRICATING OIL OF THE COMPRESSOR;
- EXEMPT FROM HUMIDITY;
- EXEMPT FROM IMPURITY.

- Every week and/or when necessary, top up the oil tank using the filler hole provided, closed by a cap or screw, on the lubricator filter.

NOTE: This operation should not be carried out by unscrewing the cup of the lubricator filter.

- The use of synthetic oil might damage the pressure regulator filter.
- Replace worn pieces (tool supports, rubber pads, lever guard, mounting tool) immediately.
- Periodically (preferably once a month) make a complete check on the controls, ensuring that they provide the specified actions.
- Every week check operation of the safety device.
- Periodically (at least every 100 working hours) check reduction gear lubricating oil level (Fig. 32 ref. 1). Such operation must be effectuated unscrewing the screws (Fig. 32 ref. 2), removing the flange (Fig. 32 ref. 3), the guard (Fig. 32 ref. 4) and the plug (Fig. 32 ref. 5) on the reduction gear.

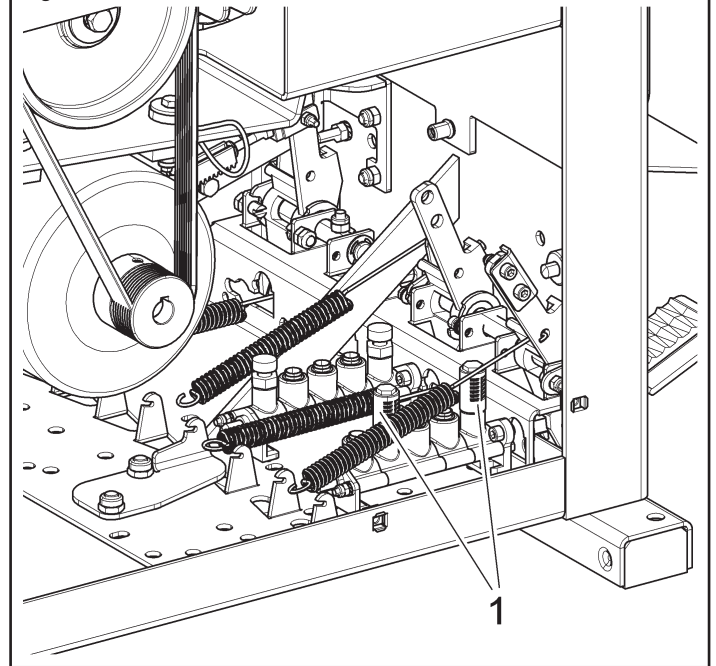
Fig. 32



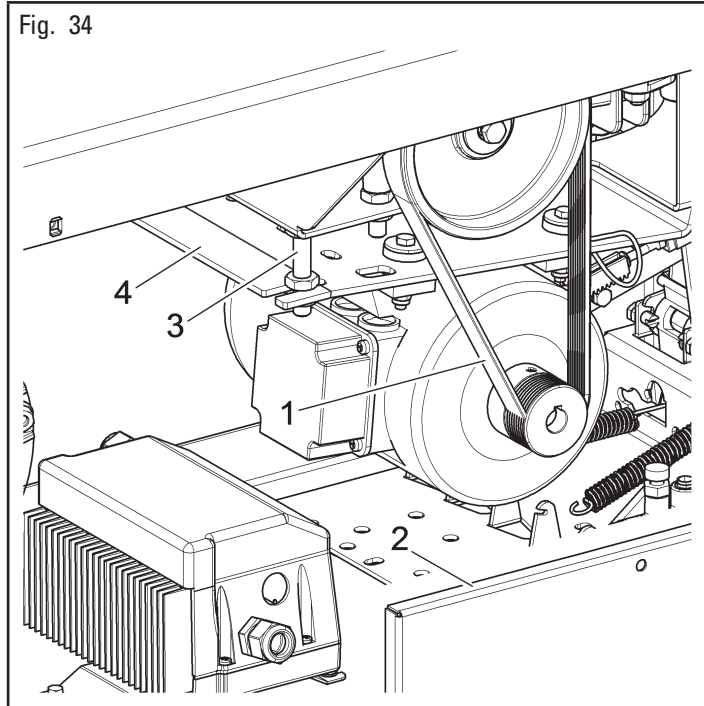
Interventions every 1000 working hours

- Clean and/or replace silencers (Fig. 33 ref. 1):
 1. Undo the retaining screws and remove the left side of the tire changer or undo the fastening screws to remove the whole pedal support unit from machine front.
 2. Undo the silencers (Fig. 33 ref. 1) onto the pedal distributor controlling the bead breaker.
 3. Blow compressed air to clean or replace in case of damages referring to spare parts catalog.
 4. Fit the silencers onto the distributor.
 5. Fit the tire changer pedal support or side and secure with the screws.

Fig. 33



- Check the transmission belt (Fig. 34 ref. 1) for wear or proper tensioning:
1. Undo the corresponding retaining screws and remove tire changer side panel; (Fig. 34 ref. 2);
 2. To tension up the belt (Fig. 34 ref. 1) Turn the screws (Fig. 34 ref. 3) motor support (Fig. 34 ref. 4);
 3. Replace the belt (Fig. 34 ref. 1) if worn out using genuine parts;
 4. Fit the tire changer side panel (Fig. 34 ref. 2) before continuing with assembly and disassembly procedure;



13.1 Lubricants

To grease the chuck movement control gearbox, use ESSO GEAR OIL GX140.

Lubricate slides and screws/nut screws or racks and pinion with a soft brush using lubricant of ESSO GP.



ANY DAMAGE TO THE MACHINE DEVICES RESULTING FROM THE USE OF LUBRICANTS OTHER THAN THOSE RECOMMENDED IN THIS MANUAL WILL RELEASE THE MANUFACTURER FROM ANY LIABILITY.



ANY DAMAGE TO THE MACHINE DEVICES RESULTING FROM THE USE OF LUBRICANTS OTHER THAN THOSE RECOMMENDED IN THIS MANUAL WILL RELEASE THE MANUFACTURER FROM ANY LIABILITY!!




14.0 TROUBLESHOOTING TABLE







Possible troubles which might occur to the tire-changer are listed below. The manufacturer disclaims all responsibility for damages to people, animals or objects due to improper operation by non-authorized personnel. In case of trouble, call Technical Service Department for instructions on how to service and/or adjust the machine in full safety to avoid any risk of damage to people, animals or objects.

In an emergency and before maintenance on tire-changer, set the main switch to "0" and lock it in this position.



CONTACT AUTHORIZED TECHNICAL SERVICE
do not try and service alone

Problem	Possible cause	Remedy
The chuck does not work if pedal is pressed.	<ol style="list-style-type: none"> No voltage available. Motor faulty. Safety fuses for machine system blown. 	<ol style="list-style-type: none"> Check that the plug is properly connected and power supply is working. Check for correspondence of electric data of the machine with the mains. Check for proper working conditions. Check connections and parts (motors and switches).
The chuck doesn't rotate.	Inverter overload alarm Or Inverter undervoltage alarm Or Inverter overvoltage alarm	Shorten the length of a possible machine extension cable or increase the conductors section (disconnect and connect again). Lift the motor pedal and wait for the automatic reset.
	Overtemperature alarm.	Wait until the motor system cools (the machine does not restart if the temperature level does not go below the set safety threshold).
The chuck rotates slowly but it does not operate on the motor pedal.	Pedalboard reversible de-calibration.	<ol style="list-style-type: none"> Keep the pedal in rest position. Keep the machine connected to the net. Wait for 30 seconds that the pedalboard recalibration automatic attempt ends.
The chuck doesn't rotate, but it attempts rotation when the machine is switched on again.	Pedalboard irreversible de-calibration.	Call for technical assistance. 
The chuck does not reach the maximum rotation speed.	The mechanical resistance of the gear-motor system has increased.	Turn the chuck without wheel for a few minutes so that the system heats, thus reducing frictions. If in the end the chuck does not accelerate again, call for technical assistance. 
The chuck does not rotate in counter-clockwise direction.	Pedalboard microswitch breakage.	Replace microswitch.
The chuck stops during tire assembly/disassembly.	Transmission belt slow or worn out.	Check for proper working conditions of the transmission belt. Tension up and/or replace, if necessary.
The chuck does not turn in the clockwise or counter clockwise direction in one of the allowed speed.	Microswitch breakage.	Check cables or replace microswitch. 
The head gets in contact with the rim during assembly/disassembly.	<ol style="list-style-type: none"> Clamping plate not adjusted or faulty. Chuck locking screw loose. 	<ol style="list-style-type: none"> Adjust or replace the clamping plate. Tighten the screw.

Problem	Possible cause	Remedy
Nozzle does not deliver air when the inflation pedal is pressed.	The inflation pedal is badly adjusted.	Call for technical assistance. 
No movements take place when the pedals are pressed.	1. Supply missed. 2. Inflation pedal unit not set correctly.	1. Check power supply. 2. Call for technical assistance. 
One or more pedals do not return to their original position.	1. Return spring released. 2. Return spring broken.	1. Fasten the spring. 2. Replace the spring.
Bead breaker pneumatic controls do not work.	1. Machine pneumatic system not connected. 2. Air lines clogged.	1. Check pneumatic connections and supply. 2. Ensure the air filter is clean and undamaged. Clean and/or replace the silencers.
Some single pneumatic devices do not work.	Ensure that device and/or distributor seals are not damaged.	Call for technical assistance. 
LIFTING DEVICE		
No movement is produced when the control pedal is operated.	1. Supply missing or insufficient. 2. The supply pipes have not been correctly assembled. 3. The control valve is not working.	1. Check supply. 2. Check pipes fitting. 3. Call for technical assistance. 
When the machine is aired, the lifting device tends to move, with no consent by the operator.	When the lifting device is fixed to the machine, the spool that connects the pedal to the valve has lost its settings.	Re-calibrate the control valve rod slackening the nut between the rod and the fork and turn the rod in cw or ccw direction until restoring the correct functioning.
BEAD PRESSING DEVICE		
No movement is generated when the control lever is operated.	1. Supply missing. 2. The supply pipes have not been correctly assembled. 3. The control valve is not working.	1. Check supply. 2. Check pipes fitting. 3. Call for technical assistance. 
When the control lever is operated movement arises in one direction only.	The control valve is not working.	Call for technical assistance. 

15.0 TECHNICAL DATA

15.1 *Technical electrical data*

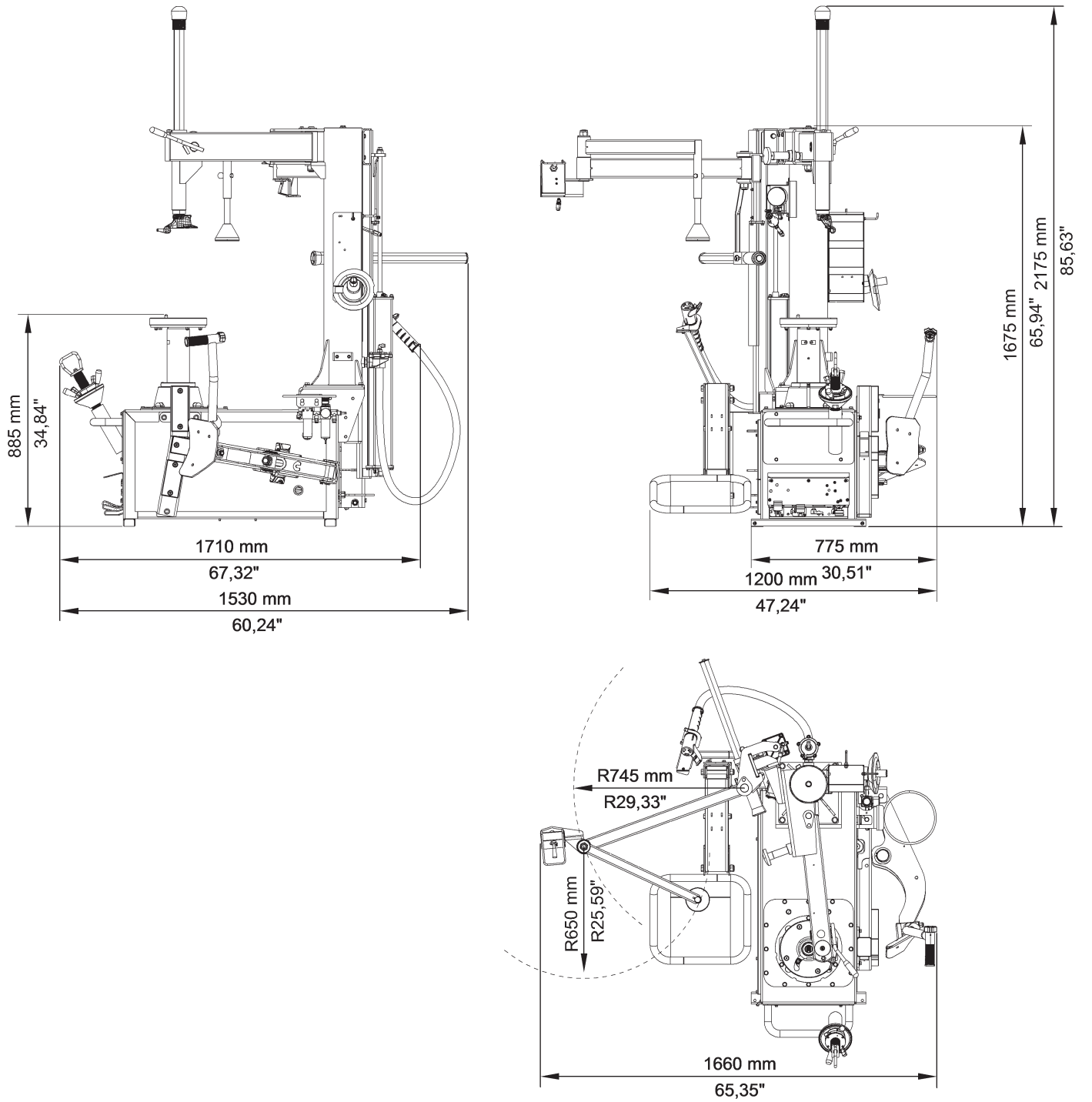
Motor power (kW)		1.5
Power supply	Voltage (V)	220
	Phases	1
	Frequency (Hz)	60
Chuck rotating speed (revolutions/min)		0 - 14

15.2 *Technical mechanical data*

Maximum tire diameter (mm)		1194 (47")
Max rim width (inches)		15
Chuck max torque (Nm)		1200
Bead-breaker cylinder force at 10 bar (N)		30600
Rim locking diameter (inches)		10 - 30
Wheel maximum weight (kg)		80
Operating pressure (bar)		8 - 10
Weight (Kg)		370

15.3 Dimensions

Fig. 35



16.0 STORING

If storing for long periods disconnect the main power supply and take measures to protect the machine from dust build-up. Lubricate parts that could be damaged from drying out. When putting the machine back into operation replace the rubber pads and the mounting tool.

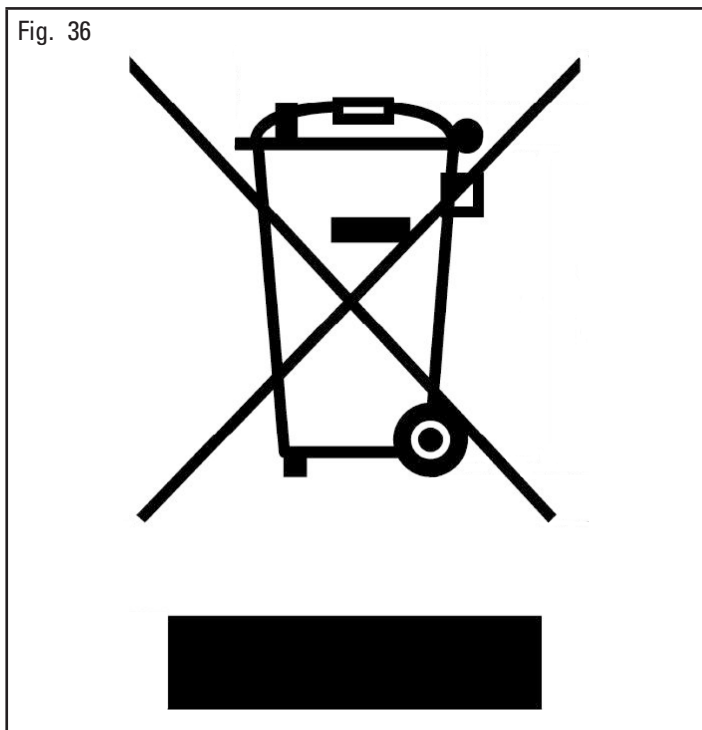
17.0 SCRAPPING

When the decision is taken not to make further use of the machine, it is advisable to make it inoperative by removing the connection pressure hoses. The machine is to be considered as special waste and should be dismantled into homogeneous parts. Dispose of it in accordance with current legislation.

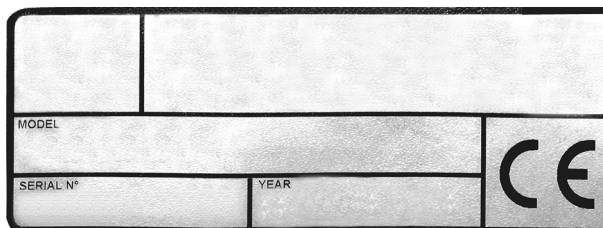
Instructions for the correct management of waste from electric and electronic equipment (WEEE) according to the Italian legislative decree 49/14 and subsequent amendments.

In order to inform the users on the correct way to dispose the product (as required by the article 26, paragraph 1 of the Italian legislative decree 49/14 and subsequent amendments), we communicate what follows: the meaning of the crossed dustbin symbol reported on the equipment indicates that the product must not be thrown among the undifferentiated rubbish (that is to say together with the "mixed urban waste"), but it has to be managed separately, to let the WEEE go through special operations for their reuse or treatment, in order to remove and dispose safely the waste that could be dangerous for the environment and to extract and recycle the raw materials to be reused.

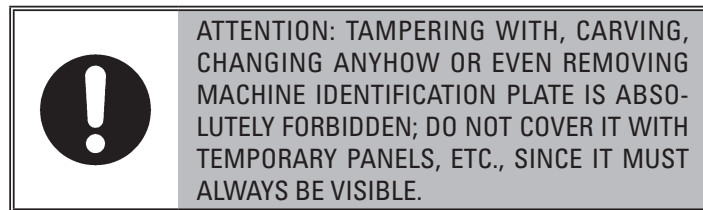
Fig. 36



18.0 REGISTRATION PLATE DATA



The validity of the Conformity Declaration enclosed to this manual is also extended to products and/or devices the machine model object of the Conformity Declaration can be equipped with. Said plate must always be kept clean from grease residues or filth generally.



WARNING: Should the plate be accidentally damaged (removed from the machine, damaged or even partially illegible) inform immediately the manufacturer.

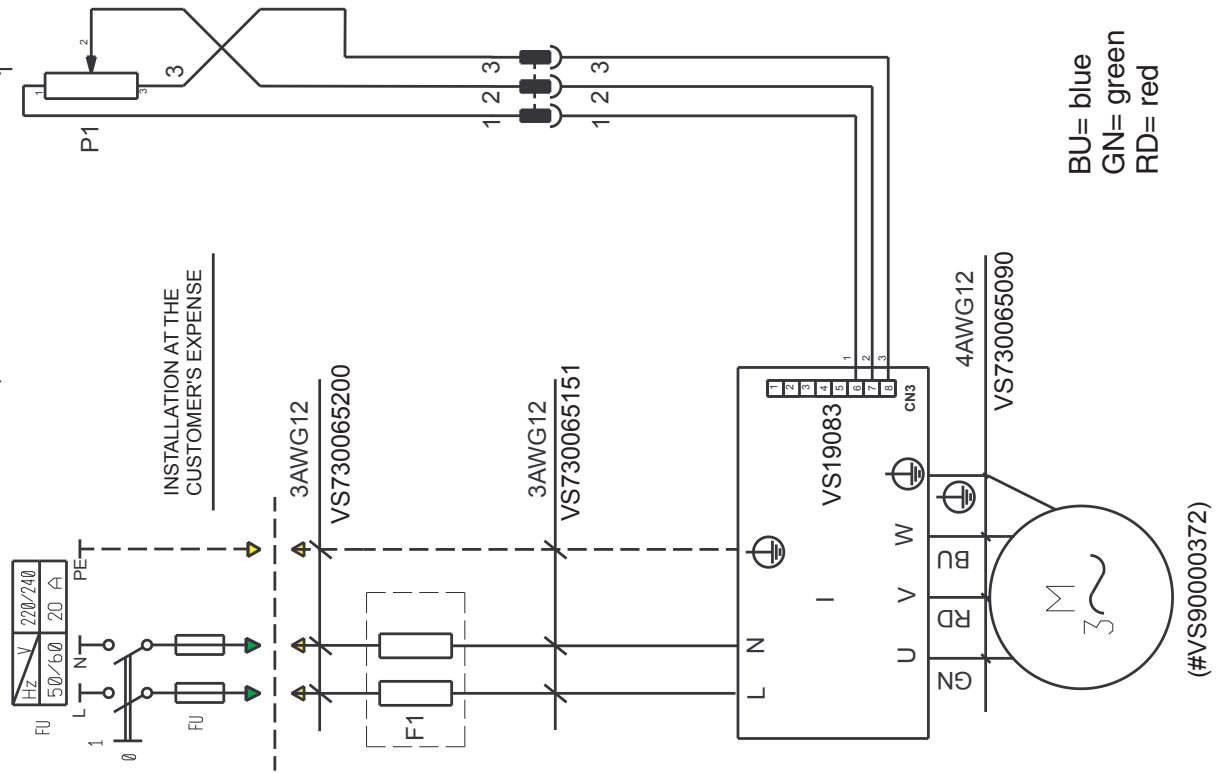
19.0 FUNCTIONAL DIAGRAMS

Here follows a list of the machine functional diagrams.

Table Number A - Rev. 1

VS730005140

SUPPLY CABLE MONOPHASE 2P+GROUND x bmmq



N° 2 Fuse holder	1Ph	690V	32A	CH10	VS515045
N° 2 Fuse	600V	20A	aM	CH10	VS507142



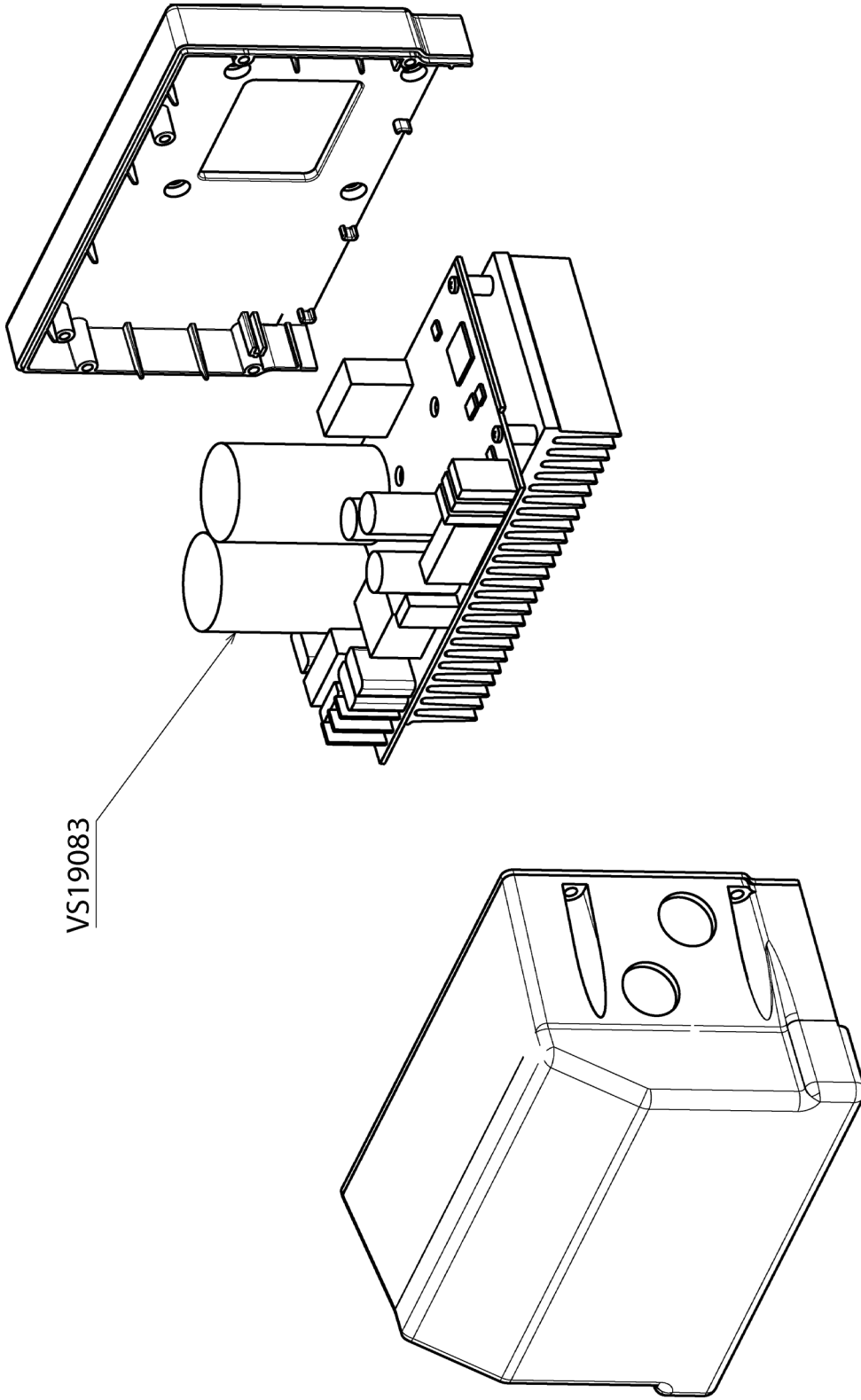
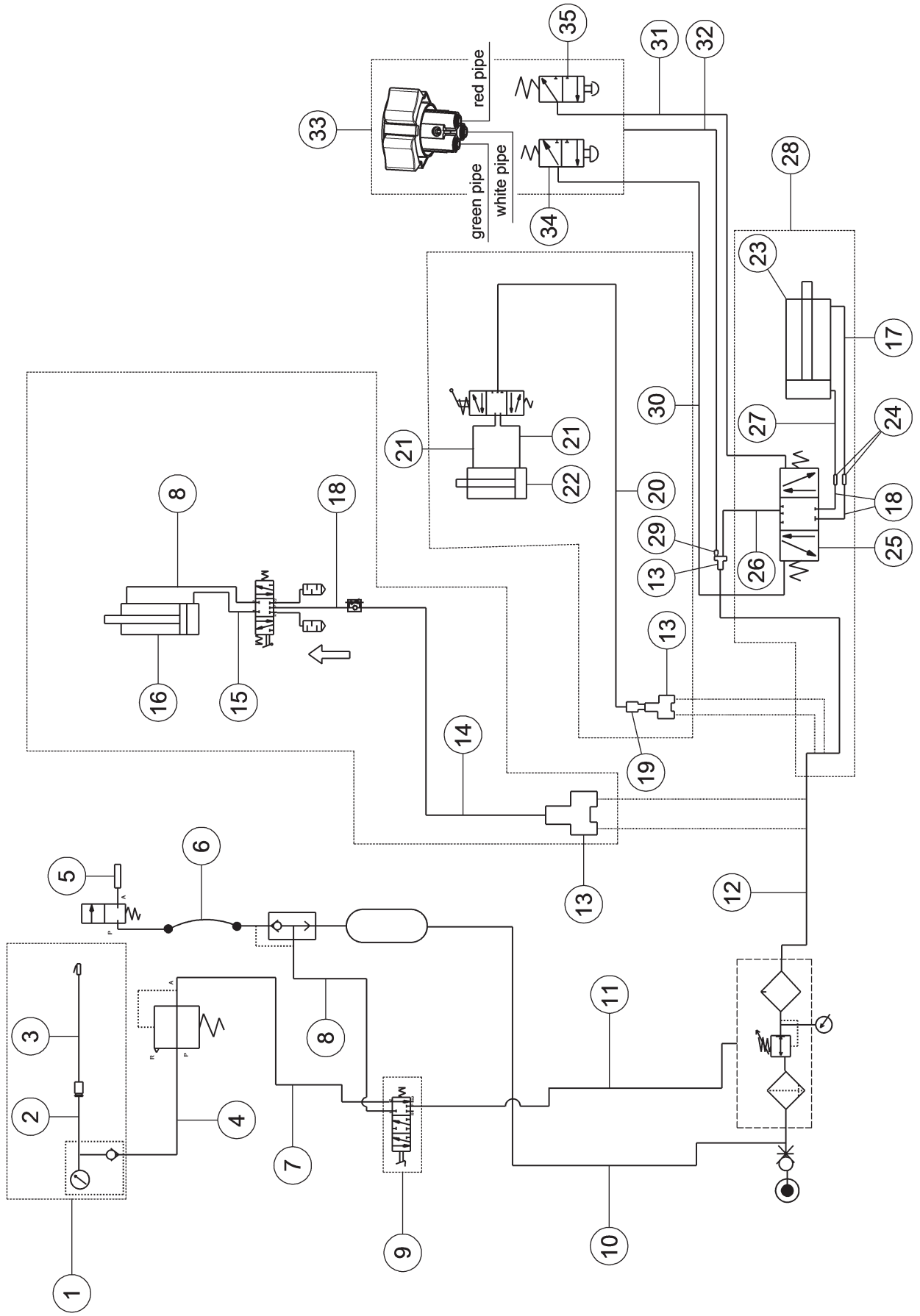


Table Number B - Rev. 1

VS730005100



VS730005100

Table Number B - Rev. 1

N°	Code	Description	Description	Description	Description
1		Inflation unit with pressure gauge		Grupo gonflage avec manomètre	Grupo inflado con manómetro
2	VS317008	8x6 red rilsan pipe L=1200		Tuyau rilsan 8x6 rouge L=1200	Tubo rilsan 8x6 rojo L=1200
3	VST30096250	Inflation pipe unit		Groupe tuyau de gonflage	Grupo tubo de inflado
4	VS317008	8x6 red rilsan pipe L=2000		Tuyau rilsan 8x6 rouge L=2000	Tubo rilsan 8x6 rojo L=2000
5		Inflation nozzle		Gicleur de gonflage	Boquilla de inflado
6	VS790090810	Pipe		Tuyau	Tubo
7	VS317009	8x6 blue rilsan pipe L=1300		Tuyau rilsan 8x6 bleu L=1300	Tubo rilsan 8x6 azul L=1300
8	VS317007	8x6 black rilsan pipe L=2000		Tuyau rilsan 8x6 noir L=2000	Tubo rilsan 8x6 negro L=2000
9		Inflation pedal valve		Vanne pédale de gonflage	Válvula pedal de inflado
10	VS317010	10x8 black rilsan pipe L=800		Tuyau rilsan 10x8 noir L=800	Tubo rilsan 10x8 negro L=800
11	VS317009	8x6 blue rilsan pipe L=1900		Tuyau rilsan 8x6 bleu L=1900	Tubo rilsan 8x6 azul L=1900
12	VS317007	8x6 black rilsan pipe L=800		Tuyau rilsan 8x6 noir L=800	Tubo rilsan 8x6 negro L=800
13	VS325181	V8 union		Raccord à V8	Enlace a V8
14	VS317007	8x6 black rilsan pipe L=1300		Tuyau rilsan 8x6 noir L=1300	Tubo rilsan 8x6 negro L=1300
15	VS317007	8x6 black rilsan pipe L=1900		Tuyau rilsan 8x6 noir L=1900	Tubo rilsan 8x6 negro L=1900
16		Lifting cylinder		Cylindre soulevateur	Cilindro levantador
17	VS317036	10x6,5 elastolan pipe L=600		Tuyau elastolan 10x6,5 L=600	Tubo elastolan 10x6,5 L=600
18	VS317007	8x6 black rilsan pipe L=50		Tuyau rilsan 8x6 noir L=50	Tubo rilsan 8x6 negro L=50
19	VS325054	6-8 reduction		Reduction 6-8	Reducción 6-8
20	VS317006	6x4 black rilsan pipe L=3100		Tuyau rilsan 6x4 noir L=3100	Tubo rilsan 6x4 negro L=3100
21	VS317006	6x4 black rilsan pipe L=2600		Tuyau rilsan 6x4 noir L=2600	Tubo rilsan 6x4 negro L=2600
22		Plus cylinder		Cylindre Plus	Cilindro Plus
23		Later bead breaking cylinder		Cylindre décolle-talon latéral	Cilindro destalonador lateral
24	VS325218	10x8 reduction		Reduction 10x8	Reducción 10x8
25		Lateral bead breaker control valve		Vanne commande décolle-talons latéral	Válvula mando destalonador lateral

Installer: Please return this booklet to literature package, and give it to the owner/operator.

Thank You

Trained Operators and Regular Maintenance Ensures Satisfactory Performance of Your Wheel Service Equipment.

Contact Your Nearest Authorized Rotary Wheel Service Equipment Parts Distributor for Genuine Replacement Parts. See Literature Package for Parts Breakdown.

Rotary World Headquarters

2700 Lanier Drive
Madison, IN 47250, USA
www.rotarylif.com

North America Contact Information

Tech. Support:
p 800.445.5438
f 800.578.5438
e userlink@rotarylif.com
Sales: p 800.640.5438
f 800.578.5438
e userlink@rotarylif.com

World Wide Contact Information

World Headquarters/USA: 1.812.273.1622
Canada: 1.905.812.9920
European Headquarters/Germany: +49.771.9233.0
United Kingdom: +44.178.747.7711
Australasia: +60.3.7660.0285
Latin America / Caribbean: +54.3488.431.608
Middle East / Northern Africa: +49.771.9233.0

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