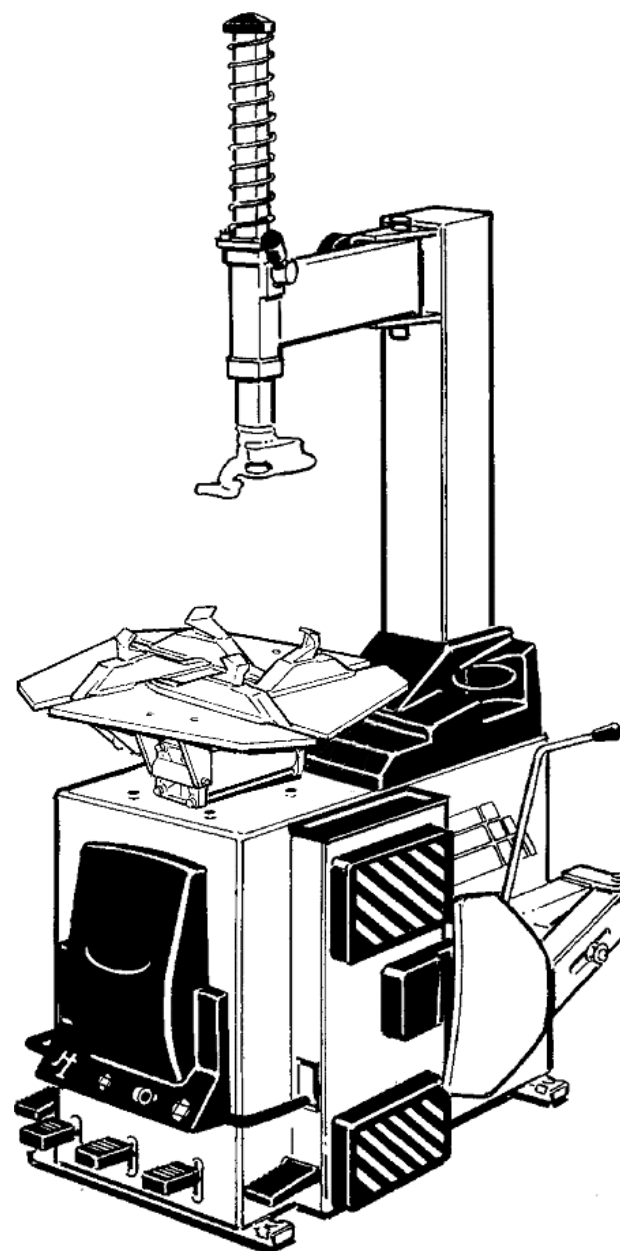




CE

TIRE CHANGING MACHINE

ST-215



INSTRUCTIONS MANUAL

WARNINGS


The present instructions booklet is an integral part of the product. Carefully study the warnings and instructions contained in it. This information is important for **safe use and maintenance**. Conserve this booklet carefully for further consultation.

ST-215 IS AN AUTOMATIC TIRE CHANGING MACHINE DESIGNED AND CONSTRUCTED TO BE USED FOR THE MOUNTING AND DEMOUNTING OF TIRES FOR CARS AND MOTORCYCLES.

THE MACHINE HAS BEEN DESIGNED TO OPERATE WITHIN THE LIMITS DESCRIBED IN THIS BOOKLET AND IN ACCORDANCE WITH THE MAKER'S INSTRUCTIONS.

The machine must be used only for the purpose for which it was expressly designed. Any other use is considered wrong and therefore unacceptable.

The manufacturer cannot be held responsible for damage resulting from improper, erroneous, or unacceptable use of the machine.

 This symbol is used in the present manual to warn the operator of particular risks associated with the use of the machine.

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TECHNICAL CHARACTERISTICS

TECHNICAL DATA

DIMENSIONS

Max. height	74"
Depth	40"
Width	30"

WEIGHT

Net weight	481 lb.
Gross weight	481 lb.

ELECTRIC MOTOR

Power	1 Hp
Phases	1 ~
Voltage	110 V
Bead breaker force	5.500 lb.

NOISE LEVEL 75 db

PNEUMATIC SUPPLY

Min./max. operating pressure 110-170 psi

RANGE OF APPLICATIONS

ST-215 can operate on wheels having the following minimum and maximum dimensions:

VEHICLE WHEEL

	min/max
Wheel width	3"-12"
Max. wheel diameter	44"
Rim diameter (locked internally)	12"-28"
Rim diameter (locked externally)	10"-26"


MOTORCYCLE WHEEL *

	min/max
Wheel width	3"-10"
Max. wheel diameter	44"
Rim diameter	15"-25"

In order to work on motorcycle wheels it is necessary to install the motorcycle attachments, available on request (see pg.6).

REGISTRATION PLATE DATA

THE MACHINE DATA IS ON A SPECIAL LABEL ON THE BACK OF THE MACHINE.
This contains the specifications, the CE mark, the year of construction and the serial number.
The Serial number must be quoted in the communications with technical assistance.

Model	_____							
V	_____	~	_____	Hz	_____	A		
IP	_____	max	_____	kPa	_____	max	_____	bar
Kg	_____	YEAR	_____					
N° MATR	_____		CE					
								

DESCRIPTION OF THE MACHINE

with illustrations of the component parts relevant for use

PEDAL CONTROLS (fig. 1)(1)

The machine control pedals include:

- » **Invertor control pedal** (1-A) is on both sides of the machine and rotates the chuck plate in the direction desired;
- » **Bead breaking control pedal** (1-B) to activate the bead breaking arm (2-F)
- » **Open control pedal** (1-C) for opening and closing the chuck jaws (4-P)
- » **Close control pedal** (1-D) for closing the chuck jaws (4-P)

BEAD BREAKER (fig. 1) (2)

The bead breaker is a mechanism for unbeading tires from rims and is composed of:

- » **Bead breaking arm** (2-F) activated pneumatically by a double action cylinder
- » **Plate** (2-E) for tire bead breaking
- » **Anti-abrasion supports** (2-G) for support during the bead breaking phase.
- » **Three-position Device** (2-K) that allows the variation of the degree of opening of the bead breaking plate.

COLUMN UNIT (Fig.1) (3)

The column unit is composed of a fixed column which can be tilted back and which carries the components necessary for unmounting the tire from the rim (and for re-mounting), it is a strong structure that allows work to be carried out on wheels of large diameter (max diam.44").

- » **the swinging arm** (3-H) for positioning the head.
- » **the handwheel** (3-M) for the adjustment of the horizontal position of the arm:
- » locking lever (3-L) for regulating the vertical position of the rod
- » **the head** (3-I) for removing (and refitting) the tire from the rim with the help of the bead lifting lever (see accessories provided).
- » **the sliding roller** (3-N), inserted inside the tongue of the head, avoids any damage to the rim or bead.

SELF-CENTERING CHUCK (Fig.1) (4)

The chuck is the device for locking and rotating the rim. It is driven pneumatically two self-centring cylinders and is composed of:

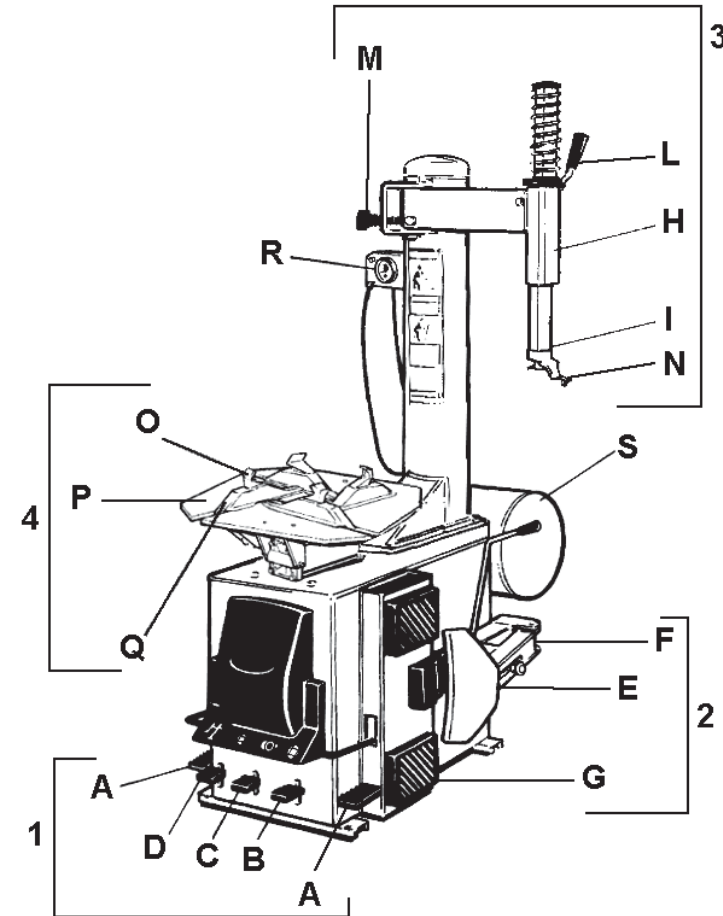
- » **4 slide tracks** (4-P) with 4 locking wedges (4-O) for the internal and external locking of the rim
- » **A self-centring plate** (4-Q) for rotating the rim in both directions without unlocking it.

AUTOMATIC INFLATION DEVICE FOR TUBELESS TYRES (IT)

This device has a large capacity air circuit and an instantaneous valve. Activated with the side inflation pedal (4-D) the air exits from two holes in each track. These are ideally positioned to bead in tubeless tyres.

- » **Inflation manometer**: This is a manometer (4-R) fixed to the left side of the column so as to allow the operator to support the tyre during inflation. The manometer conforms to EEC Directive 87/217.
- » **Compressed air cylinder** conforming to EEC Directive 87/404. The cylinder capacity means that the operator always has 18 litres of compressed air available for the inflation of tubeless tyres (4-S).

The speciality of ST-215 is the location of the air cylinder (or air bottle): the air cylinder is inside the fixed column and this create extra working space.



KEY

1) PEDALS

- A: Invertor pedal
- B: Bead-breaker pedal
- C: Open/Close pedal
- D: Tubeless inflation pedal

2) BEAD-BREAKER

- E: Bead-breaking plate
- F: Bead-breaking arm
- G: Anti-abrasion supports

3) COLUMN

- H: Swinging arm
- I: Head
- L: Locking lever
- M: Handwheel
- N: Sliding roller

4) SELF-C.CHUCK

- O: Locking wedges
- P: Slide tracks
- Q: Self-centring plates

IT SYSTEM

- R: Inflation manometer
- S: Air cylinder

ACCESSORIES PROVIDED

BEAD LIFTING LEVER (fig. 2)

This is a tool required for lifting the tire bead onto the head during the unmounting stage (see fig. 2 and instructions page 10 and 11).

It also allows the guiding of the bead "setting" during mounting.

When the machine has been installed the bead lifting lever is kept in the container in the bead breaking machine case on the side of the machine.

LUBRICATION TIN RING (fig.3)

This ring holds the lubrication tin used during mounting and demounting of tires. Once the machine has been installed the lubrication tin is fitted in the position indicated in fig.3.

A brush is also provided for lubricating the bead.

The box containing **the accessories provided** (Fig. 4) is placed in the machine packing materials (See unpacking instructions on page 7).

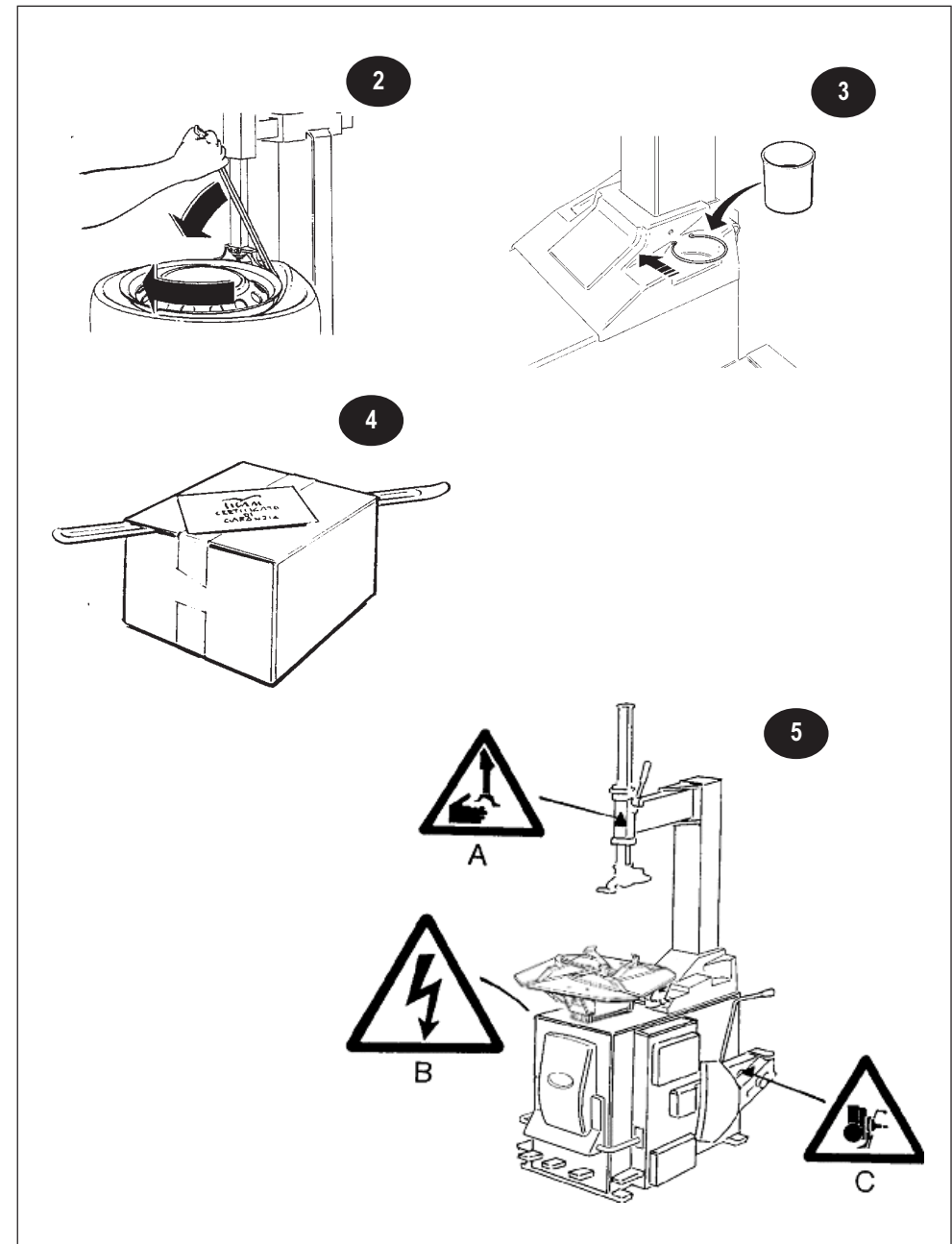
⚠ Always pay careful attention to the WARNING SIGNS shown on adhesives applied to the machine (fig.5).

If one or more of the warning signs disappears or shows signs of deterioration, *you are requested to order a replacement from ADG's "Spare Parts" service, making use of the relevant code number.*

(a) - "head" adhesive (code no. 100982)

(b) - "electrical tension" adhesive (code no. 100789)

(c) - "bead-breaker" adhesive (code no.100983)



ACCESSORIES ON REQUEST

FILTER UNIT FR + L (fig. 6)

This unit is composed of a Filter to eliminate possible impurities and excessive humidity in the air, a Pressure Reducer to maintain the correct operating pressure, and a Lubricator to atomize oil in the pneumatic system.

ALLOY RIM PROTECTORS

These are special protectors designed for use on light alloy rims: \rightarrow 19" Locking wedge protectors. (fig.7a) - 4p. - Head tongue protectors (fig. 7b) - 1p.

INFLATION GUN

If requested, the machine can be fitted with an inflation gun and manometer for inflating tires. Recommended operating pressure is: 10 bar (1000 kPa).

The inflation gun is hung on the special hook on the column of the machine (fig. 8a). A supply tube is also provided complete with connectors (fig. 8b) to link the inflation gun to the pneumatic supply. A further inflation gun is available with a measuring scale from 0.7 to 12 bar (fig. 9). (Precision tolerance as required by the EEC Directive 86/217).

N.B. To protect the operator from potential danger during the inflation of tires on the self-centring chuck plate, the machine is fitted with a **pressure limiting valve** set at 3.5 bar and a **maximum pressure valve** set at 4 bar.

⚠ The inflation of tires is a potentially dangerous operation!
For the inflation of tires on the chuck plate in conditions of maximum safety, it is advisable to order, fit and use the special SAFETY BELTS. (see fig. 10 and pg. 10 and 11)

8" FITTINGS ATTACHMENT (4 parts.)

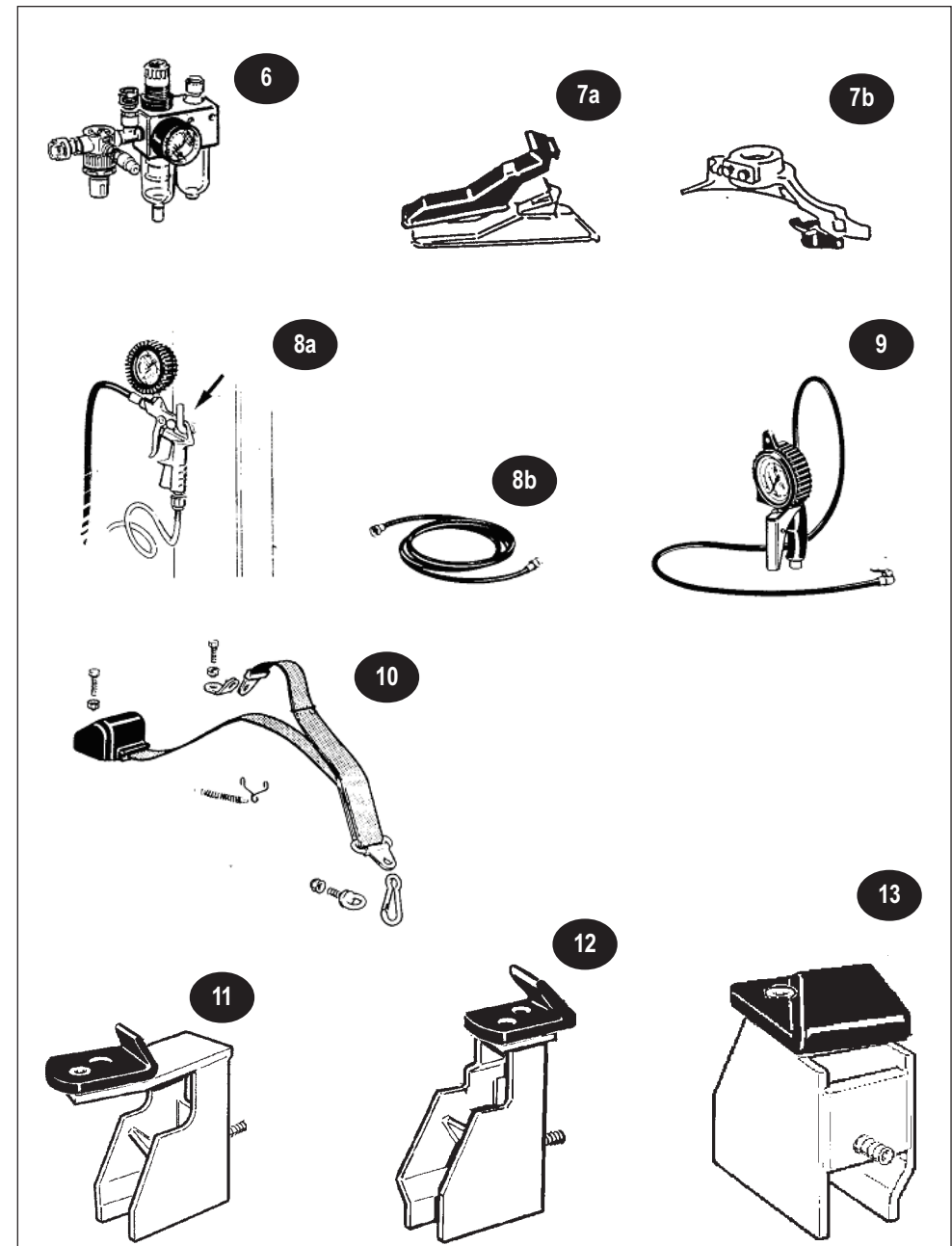
these allow the unmounting of tires on small wheels (e.g. tires from trolleys, garden equip., golf carts, etc.(fig. 11).

17.5" SPECIAL FITTINGS ATTACHMENT (4p.)

these allow work on special 17.5" wheels with an external rim flange that extends beyond the edge of the rim (see fig. 12).

MOTORCYCLE FITTINGS ATTACH-MENT

This is an attachment that allows the mounting and unmounting tires from motorcycle wheels from 15" to 24" (fig. 13). A polyurethane coating protects the rims from marking. The "motorcycle attachment" parts (series of 4 parts) are easily mounted: they are simply inserted in the tracks of the chuck and locked with the bolt provided.



UNPACKING

On receipt of the packed machine, remove the straps (*taking care when cutting them*) and packing as in **fig. 14**. After removing the packing check the machine for missing or damaged parts. *If in doubt do not use the machine and refer to professionally qualified personnel and/or to the seller.*

⚠ The packing materials (timber, plastic bags, pluriball, polythene, nails, staples, etc.) *must not be left within reach of children* since they are potentially dangerous.

Deposit the above mentioned materials at the relevant collection points if they are pollutants or are non biodegradable.

LOCATION

OVERALL DIMENSIONS:

68.5" x 37" x 33"

SAFE DISTANCE

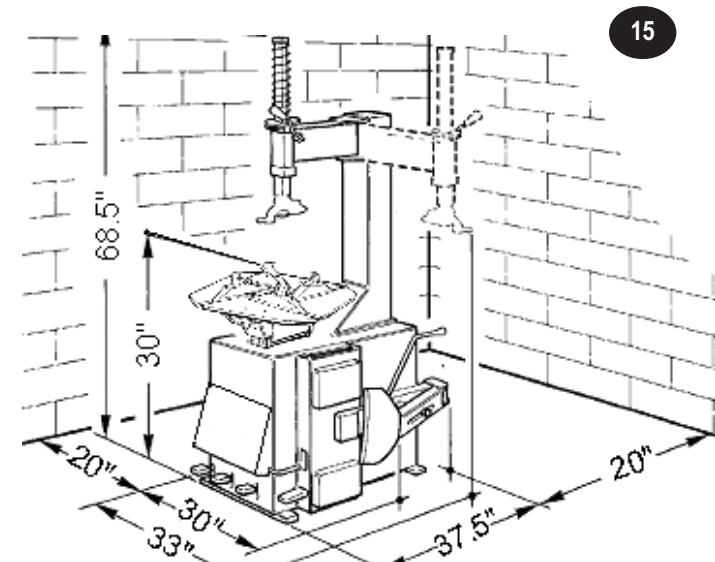
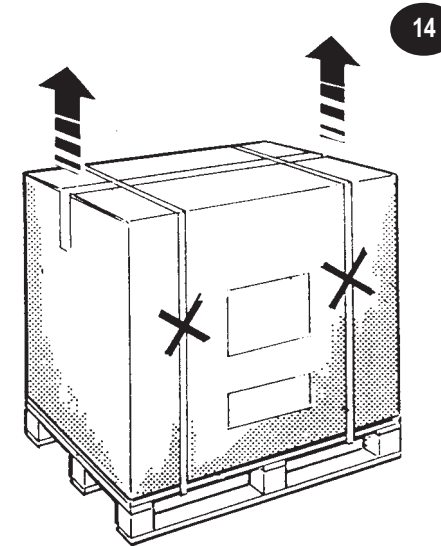
For the safe and ergonomic use of the machine, it is advisable to locate it a minimum of 20" from the surrounding walls.

FIXING REQUIREMENTS

The machine is fitted with special rubber feet for the muffling of possible vibrations.

⚠ To inflate tires on the chuck plate it is *obligatory to fix the machine to the ground*.
For this purpose use the same holes provided for fixing the machine to the pallet (fig. 20).

⚠ **THE MACHINE MUST NOT BE LOCATED IN AN EXPLOSIVE ENVIRONMENT.**



INSTALLATION

Assembly operations and locating the machine

REMOVING THE COVER

- » Remove the 4 side cover screw with a 0.1" spanner (fig. 16); Remove the side cover

RAISING THE COLUMN

- » Make use of a 1 m hoisting strap model DR 50 - safety factor 6:1. Wrap the strap around the movable arm (fig. 17a)
- » Open the bead breaking arm as shown in fig. 17b (1) and raise the column with a hoist (2).
- » Rest the column on the machine body.

ATTACHING THE COLUMN

- » Fix the column to the machine body (fig. 18) using the screws contained in the accessories box:
 - 4 TEM10 screws
 - 4 M10 hex. nuts
 - 4 chamfered washers diam.10
 - 4 split washers diam.10

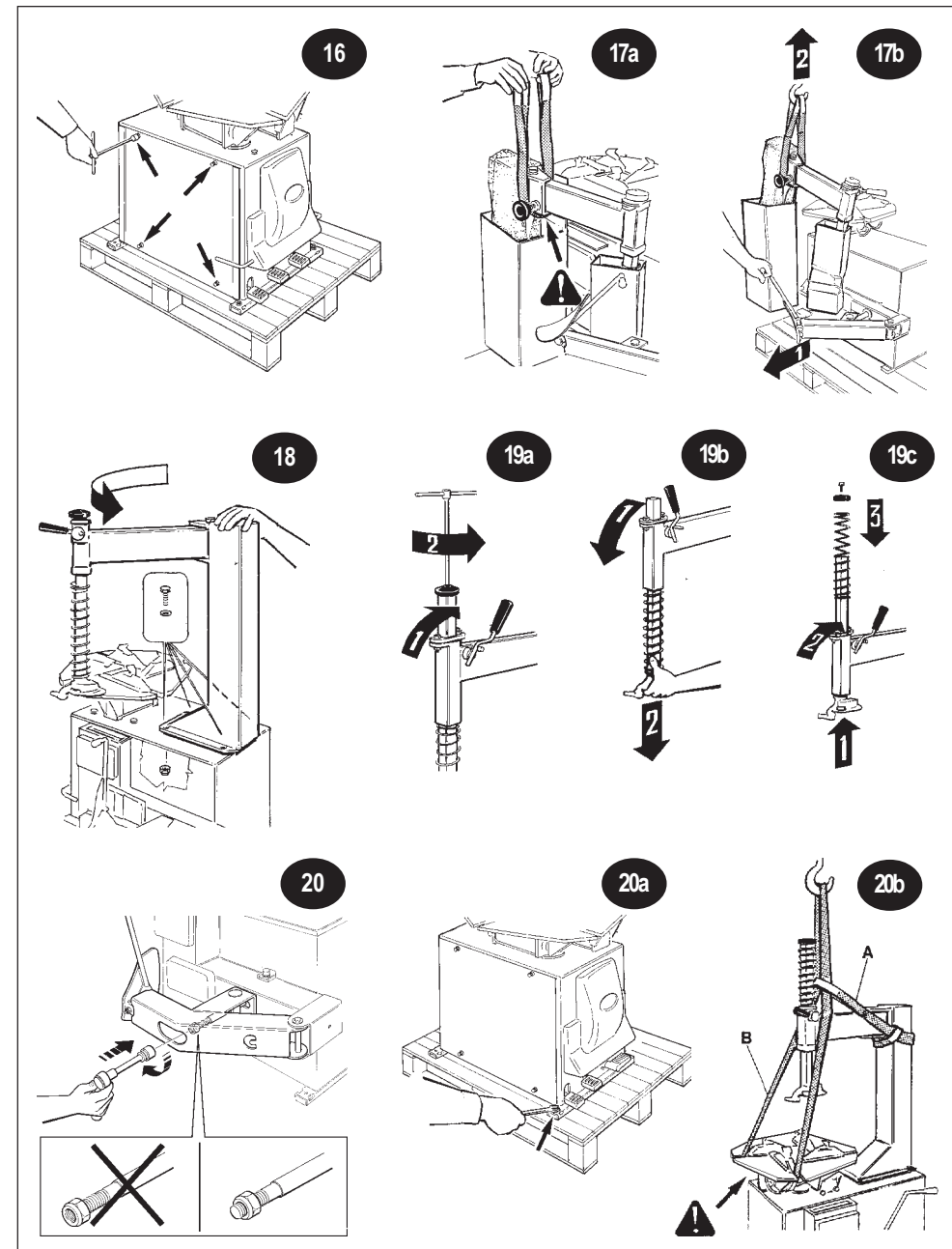
SETTING THE SPRING ON THE VERTICAL ROD

- » Release the vertical rod, lift it up 10 cm. and lock it again as shown in fig.19a (1).
- » Unscrew the cap at the top of the rod with a 0.2" hex key (fig.19a) (2).
- Warning:** when unscrewing the rod take the precaution of keeping one hand underneath it (fig.19b) (1) and (2).
- » Remove the rod. Slide the spring off and re-insert the rod (fig.19c)(1) in its original seating, locking it at the end of its travel (fig. 19c) (2).
- » Insert the spring on the top of the rod (fig.19c) (3) and refit the cap with a 0.2" hex key.

⚠ WARNING: when installing the machine make sure that the nut is correctly fastened in the cylinder rod as shown in the figure – an incorrect mounting compromises the functioning and represents a danger for the operator. (fig.20)

POSITIONING THE MACHINE

- » Refit the side cover (fig.16) with the 4 TEM6 flanged self-threading crews with a 0.4" spanner.
- » Unscrew the two bolts that fix the machine to the pallet (fig. 20a).
- » Wrap the lifting strap (a) (mod. DR250 of 1 m) around the column and strap (b) (mod. FA650 of 3 m) (fig. 20b).
- » Pass strap (b) through the holes in the flange **Warning:** take care not to crush the cylinder supply tubes !.
- » Thread strap (b) through the loop of strap (a); raise the machine with a hoist (fig. 20b).
- » Remove the pallet and position the machine.



INSTALLATION

Connection and operation checks

PNEUMATIC CONNECTION

- » Connect the inflation gun to the connector located to the left of the air filter (fig. 21).
- » Connect the compressed air to the connector positioned between the lubricator and the air filter (fig. 21).
- » Install the **air cylinder** behind the column using the two M8 bolts supplied (fig. 22);
- » Connect the rubber hose to the cylinder connector and tighten the connector band (fig. 23).
- » Connect the **manometer holder** to the column with the two M6 bolts supplied (fig. 24);
- » Connect the **air line hose** to the connector on the filter unit (see fig. 25).
- » Connect the **small air hose** to the quick connector, inserting it into the relevant hole (fig. 26).
- » To connect the air cylinder fit the rubber hose to the junction on the cylinder and tighten the metal strip as in fig.27.

ELECTRICAL CONNECTION

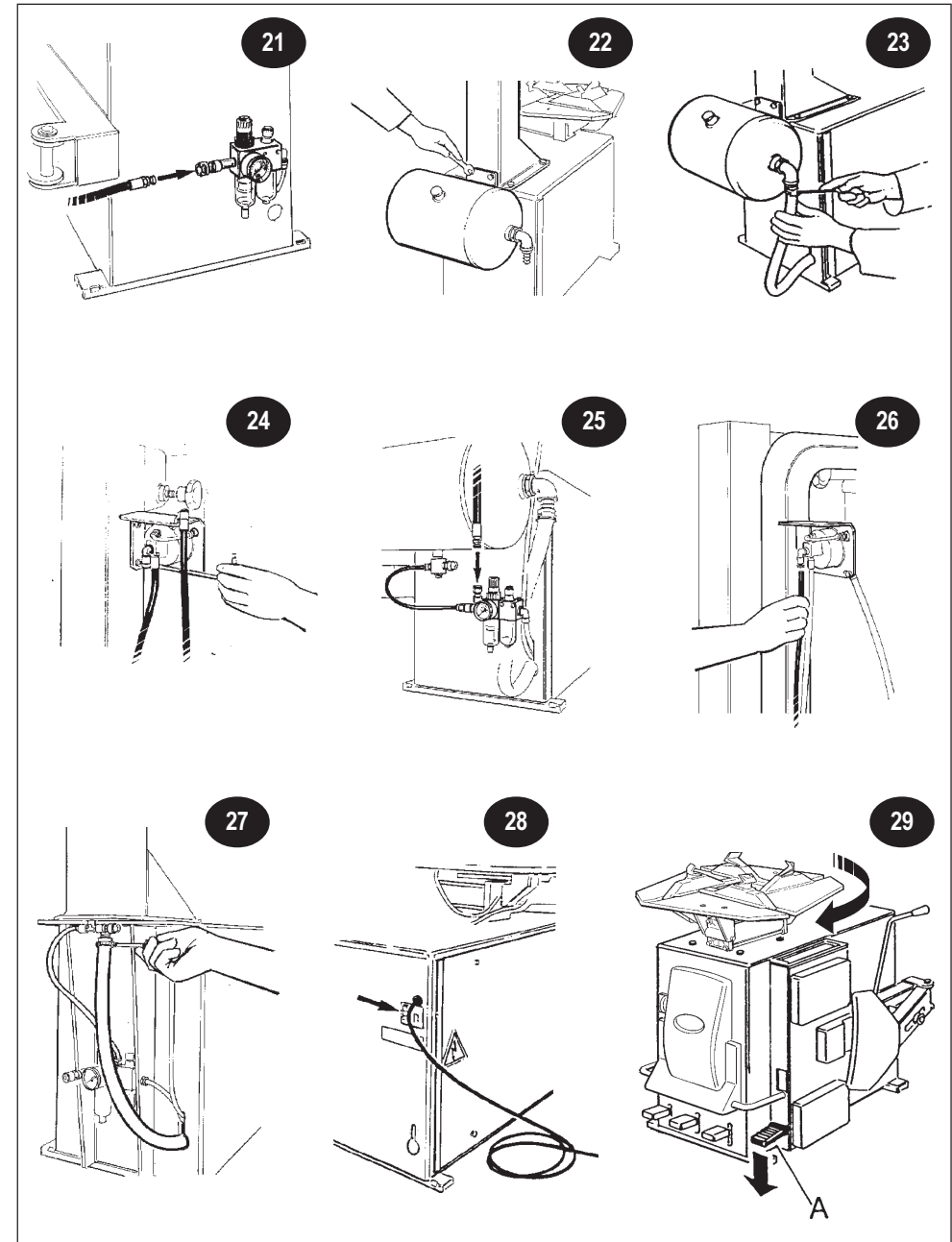
⚠ ALL WORK ON THE ELECTRICAL SYSTEM, INCLUDING MINOR OPERATIONS, MUST BE CARRIED OUT BY PROFESSIONALLY QUALIFIED PERSONNEL !

- » Check that the mains supply tension is the same as that shown on the registration plate (as shown in fig. 28).
- » Connect the supply cable to a plug that conforms with European norms or to the norms of the country in which the machine is used. The plug must have an earth terminal.
- » Check that the earth connection is effective.
- » The machine must be connected to the mains through a multipolar isolating switch which conforms with European norms and with contact openings of at least 0.1".

THE MANUFACTURER DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE FAILURE TO OBSERVE THE ABOVE MENTIONED INSTRUCTIONS.

OPERATIONAL CHECK (see fig. 29):

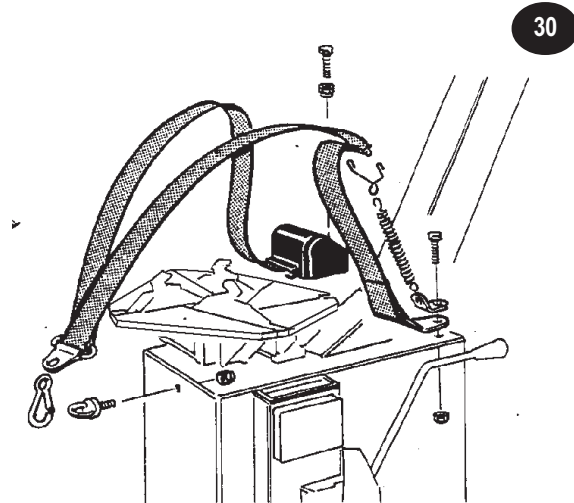
- ⚠ it is very important for the correct functioning of the machine that a downward pressure on the inverter pedal (A) produces a clockwise rotation of the chuck plate.



INSTALLATION

Mounting the safety belts.

If there is a safety belt provided, install it as shown in figure 30.



MALFUNCTIONS: CAUSES AND POSSIBLE REMEDIES

Malfunction	Cause	Possible remedies
The chuck does not rotate in any direction	<ol style="list-style-type: none"> 1. Electrical supply not plugged in. 2. Incorrect plug connection. 3. Electrical tension is incorrect 	<ol style="list-style-type: none"> 1. Check the correct insertion of the plug and its connections. 2/3 (see 1)
Pressing the inverter pedal (A) downwards the chuck rotates anti-clockwise.	<ol style="list-style-type: none"> 1. Polarity inverted 	<ol style="list-style-type: none"> 1. Invert the two phases in the plug.
The chuck rotates only weakly.	<ol style="list-style-type: none"> 1. Incorrect mains tension. 2. Loose drive belt 	<ol style="list-style-type: none"> 1. Check the correspondence of the mains tension with that shown on the reg. plate of the machine. 2. Adjust the belt tightener
The chuck does not lock the wheel correctly.	<ol style="list-style-type: none"> 1. The pneumatic supply has not been connected to the machine. 2. Pneumatic supply pressure too low. 3. Pressure reducer closed or badly adjusted (for the versions with this device) 	<ol style="list-style-type: none"> 1. Connect the pneumatic system. 2. Increase the pressure. 3. Activate or correct the adjustment of the pressure reducer
The bead-breaker does not have sufficient power to break the bead.	<ol style="list-style-type: none"> 1. The pneumatic supply has not been connected to the machine. 2. Pneumatic supply pressure too low. 3. Pressure reducer closed or badly adjusted (for the versions with this device) 	<ol style="list-style-type: none"> 1. Connect the pneumatic system. 2. Increase the pressure. 3. Activate or correct the adjustment of the pressure reducer

⚠ Other possible malfunctions are principally technical in nature and must be checked and resolved by PROFESSIONALLY QUALIFIED TECHNICIANS.

INSTRUCTIONS FOR USE

PRELIMINARY OPERATIONS

- » Completely deflate the tire;
- » Remove wheel balancing weights to eliminate any danger arising from their presence.

BEAD-BREAKING (fig. 31)

Figure 31a shows the 3 possible opening positions for the special bead-breaker plate:

Position (1): max. width 10.6"

Position (2): max. width 13.4"

Position (3): max. width 16.1"

Before starting bead-breaking **set the position required** according to the width of the wheel.

- » Place the wheel on the ground near the bead-breaker. Move the plate (E) towards the bead and press the bead-breaking control pedal (B). This operation is conducted at various points of the wheel until the bead is completely detached.
- » Repeat the operation on the opposite side of the wheel.

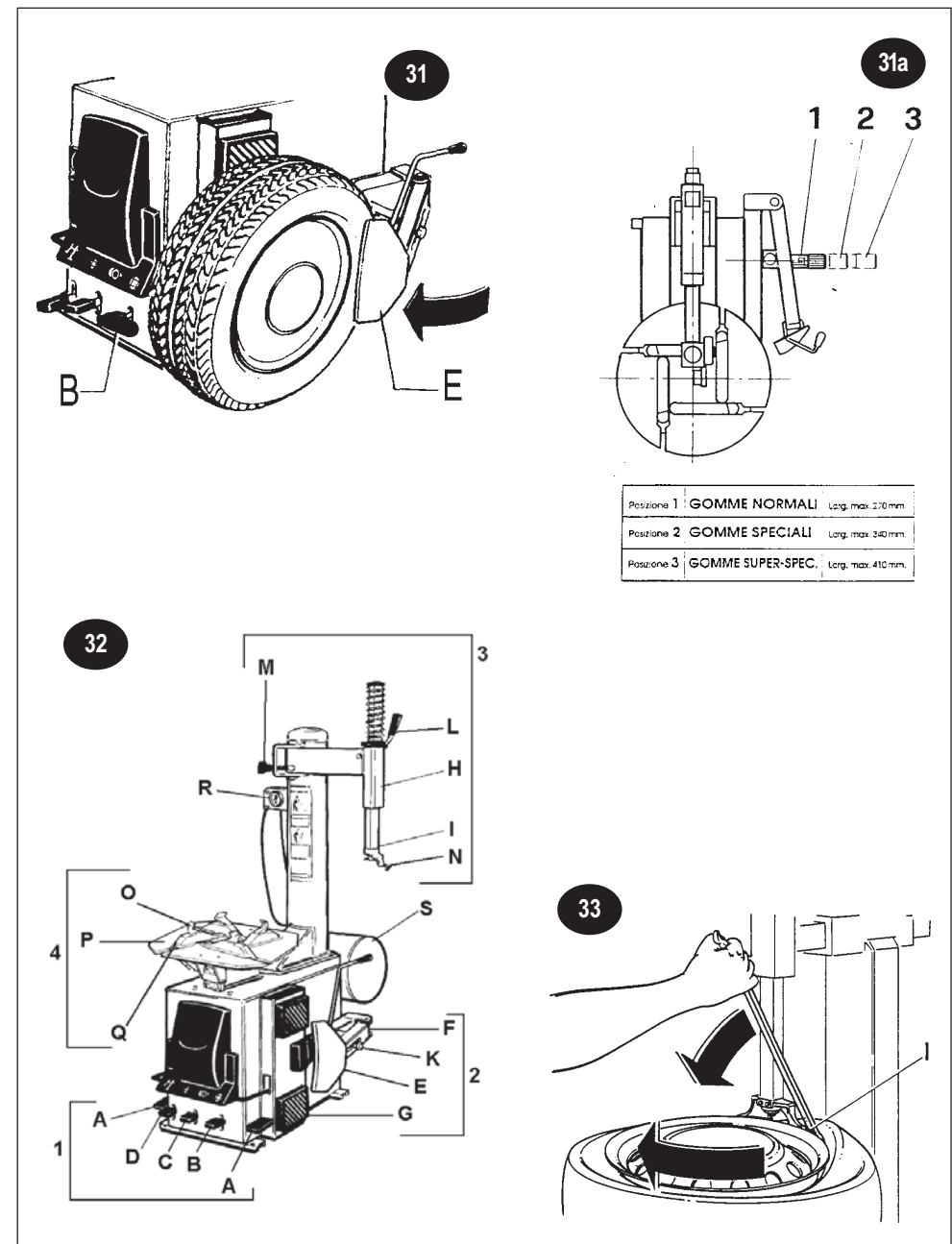
⚠ WHEN USING THE BEAD-BREAKING ARM TAKE CARE NOT TO TRAP LIMBS BETWEEN THE TIRE AND THE BEAD-BREAKER!

DEMOUNTING (fig.32)

- » Lower the locking lever (L) to unlock the vertical rod
- » Press the open control pedal (C) to prepare the chuck jaws (O) to lock the rim externally (*in the case of internal locking, this operation is not carried out*).
- » Place the wheel on the self-centring chuck, pressing lightly on the wheel. Press the close control pedal (D) to lock it;
- » Lubricate the bead with grease using the brush specially provided (see box of accessories)
- » Move the head (I) close to the rim so that the roller (N) and the rim edge surface touch
- » Raise lever (H): in this way the vertical spacing of the head and locking of the arm; the spacing of the tongue is adjusted by acting on the handwheel M (0.1" ideal distance:).
- » Raise the bead with the special lever (fig. 33) and hook it onto the tongue of the head (I)
- » Rotate the chuck pressing the pedal (A) until the bead is completely out of the rim.

⚠ Take care not to insert fingers between tire and rim while the chuck is rotating.

- » Push the arm (H) aside and extract the inner tube.
- » Repeat the same operation to remove the second bead.



INSTRUCTIONS FOR USE

MOUNTING (see fig.32)

- » Lubricate the tire bead and place it on the rim; move the head to the working position.
- » Place the bead on the edge of the head (I) and under the tongue (fig.34)
- » Rotate the chuck by pressing pedal (A) taking care to make the bead move into the central groove of the rim so as to eliminate weakening the bead.
- » (to help this action it is advisable to press down on the tire with the hands).
- » Move the adjustable arm (to free the work area)
- » Place the rim with the inner tube valve at about 90° to the head, then insert the inner tube
- » Repeat the initial operation (see above) to locate the second bead.
- » *In the case that the bead has difficulty descending from the head, it is necessary to "raise" (move upwards) the inverter pedal (A) making the chuck rotate in an anti-clockwise direction.*
- » Move the arm and press the open pedal (C) to unlock the rim

INFLATION PROCESS

For **beading in** and **inflation**, after mounting the wheel on the rim proceed as follows:

- » If there is a **safety belt**, fit it as shown in fig. 35a.
- » Attach the air hose to the tyre valve;
- » Raise the tyre with both hands to allow the air (which comes out of the tracks) to get between rim and tyre (fig. 35b);
- » Press the inflation pedal (I) completely down to obtain the air output fro the tracks. At the same time release the tyre to allow the **beading in**.

N.B.: Whenever the tyre does not bead in, repeat all the stages in the above sequence.

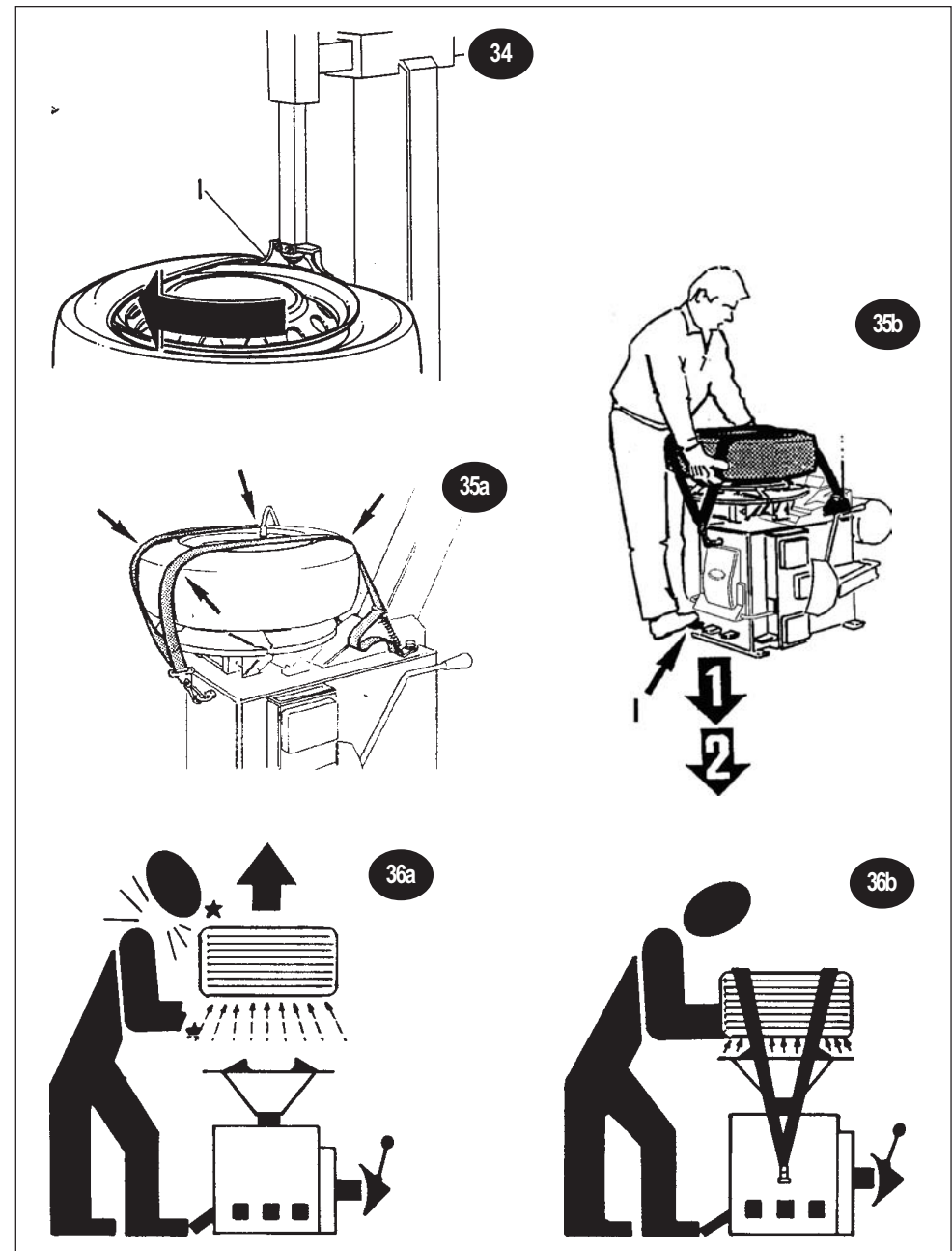
When the tyre is beaded in, continue **inflation** by pressing the pedal in the intermediate position until the desired pressure is reached.

- ⚠ WARNING !**
THE INFLATION PROCESS IS POTENTIALLY DANGEROUS.(see fig.36a/36b)
 The operator must adopt all the measures necessary in order to guarantee safe conditions
 Whenever inflation is carried out on the chuck plate it is obligatory to use the special **SAFETY BELTS**

INFLATION SAFETY DEVICE

The machine is fitted with a **pressure limiting valve** set at 3.5 bar and a **maximum pressure valve** set at 4 bar. These are designed to protect the operator from potential danger resulting from the inflation of tires on the chuck plate.

- ⚠ WARNING !**
 To inflate tires on the chuck plate in conditions of "MAXIMUM SAFETY" it is advisable to order, install and use the special **SAFETY BELTS**



ROUTINE MAINTENANCE

cleaning the machine and user maintenance

To guarantee the efficiency and correct functioning of the machine it is essential to clean it and to conduct periodic **routine maintenance**.

The operations of routine maintenance must be carried out by the user according to the maker's instructions given below:

⚠ Before proceeding to any cleaning or maintenance operations, **switch off the machine** using the **main switch** and **remove the plug from the socket**.

MECHANICAL PARTS

Keep the moving parts clean, washing them periodically with naphtha or kerosene and lubricating them with oil or grease. In particular:

- » **Lubricator:** check and maintain the level of oil in the lubricator. The level must not go outside the min/max indicated. If necessary add liquid oil. See Oil Table.
- » **Air filter:** periodically remove the water condensation that forms in the air filter.
- » **Roller:** check that the roller always turns freely. Periodically clean with naphtha and if necessary lubricate with oil.
- » **Motor drive belt:** check that the motor belt is at the correct tension and that it does not slip.
- » **Inflation manometer:** periodically check the figures on the pump manometer scale.

MOVEMENT AND TRANSPORT

⚠ Whenever it is necessary to move or transport the machine take all the necessary precautions.

For the methods of harnessing and lifting the machine, refer to adjacent fig.37 and the instructions on pag.8.

STORAGE AND SCRAPPING

PERIODS OF INACTIVITY

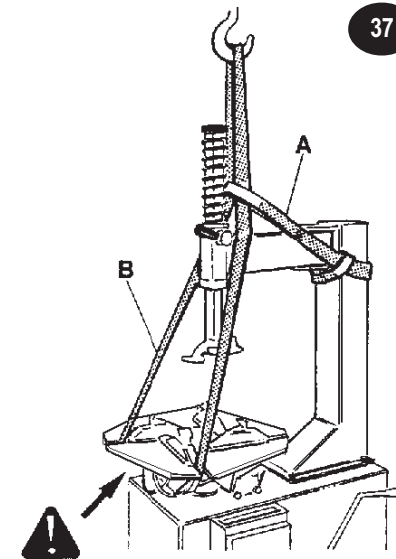
Whenever it is decided to temporarily store the machine, and during periods in which the machine is not in use, **remove the plug from the electrical supply!**

PERMANENT STORAGE

If it is decided that this machine is no longer to be used, it is advisable to make it inoperative **by removing the electrical cable after having disconnected the plug from the supply.**

SCRAPPING

Since the tire changing machine is considered as **special refuse**, it should be dismantled into homogeneous parts and disposed of according to the laws in force.



OIL TABLE


Gear box oil type	Idraulic pump oil type	Lubricating oil type for pneumatic system
ESSO SPARTAN EP460	ESSO NUTO H 46	ESSO FEBIS K 32
TECHNICAL CHARACTERISTICS		
ISO 460	ISO 46	ISO 32
DIN 51502-CLP ISO 34-98-CC	DIN 51502-HLP DIN 51524 PART.2-HLP ISO 67-43-HM	

The manufacturer will not be responsible for any damage resulting from the use of different oils.

TECHNICAL ASSISTANCE AND SPARE PARTS

» WHENEVER THE MACHINE MALFUNCTIONS, CONSULT THE TROUBLESHOOTING SECTION (PG. 18). ANY OTHER FAULTS MUST BE CHECKED BY PROFESSIONALLY QUALIFIED TECHNICIANS.

» IN ALL CASES REFER TO THE ASSISTANCE SERVICE OF YOUR AUTHORISED ADG RETAILER. FOR PROMPT INTERVENTION IT IS IMPORTANT, WHEN CALLING, TO SPECIFY THE MACHINE MODEL, THE SERIAL NUMBER (FOUND ON THE MACHINE IDENTIFICATION PLATE) AND THE TYPE OF FAULT.

 **WARNING**
ALL WORK ON ELECTRICAL, PNEUMATIC, AND HYDRAULIC SYSTEMS MUST BE CONDUCTED BY PROFESSIONALLY QUALIFIED PERSONNEL.

» THE EXPLODED DIAGRAMS ON THE FOLLOWING PAGES SHOW THE COMPONENT PARTS OF THE BASIC MACHINE, SPECIAL VERSIONS, AND ACCESSORY PARTS.

 **WARNING**
SPARE PARTS MUST BE PURCHASED EXCLUSIVELY FROM AN AUTHORISED ADG RETAILER

THE MANUFACTURER DOES NOT ACCEPT RESPONSIBILITY FOR DAMAGE RESULTING FROM THE USE OF NON ORIGINAL SPARE PARTS.

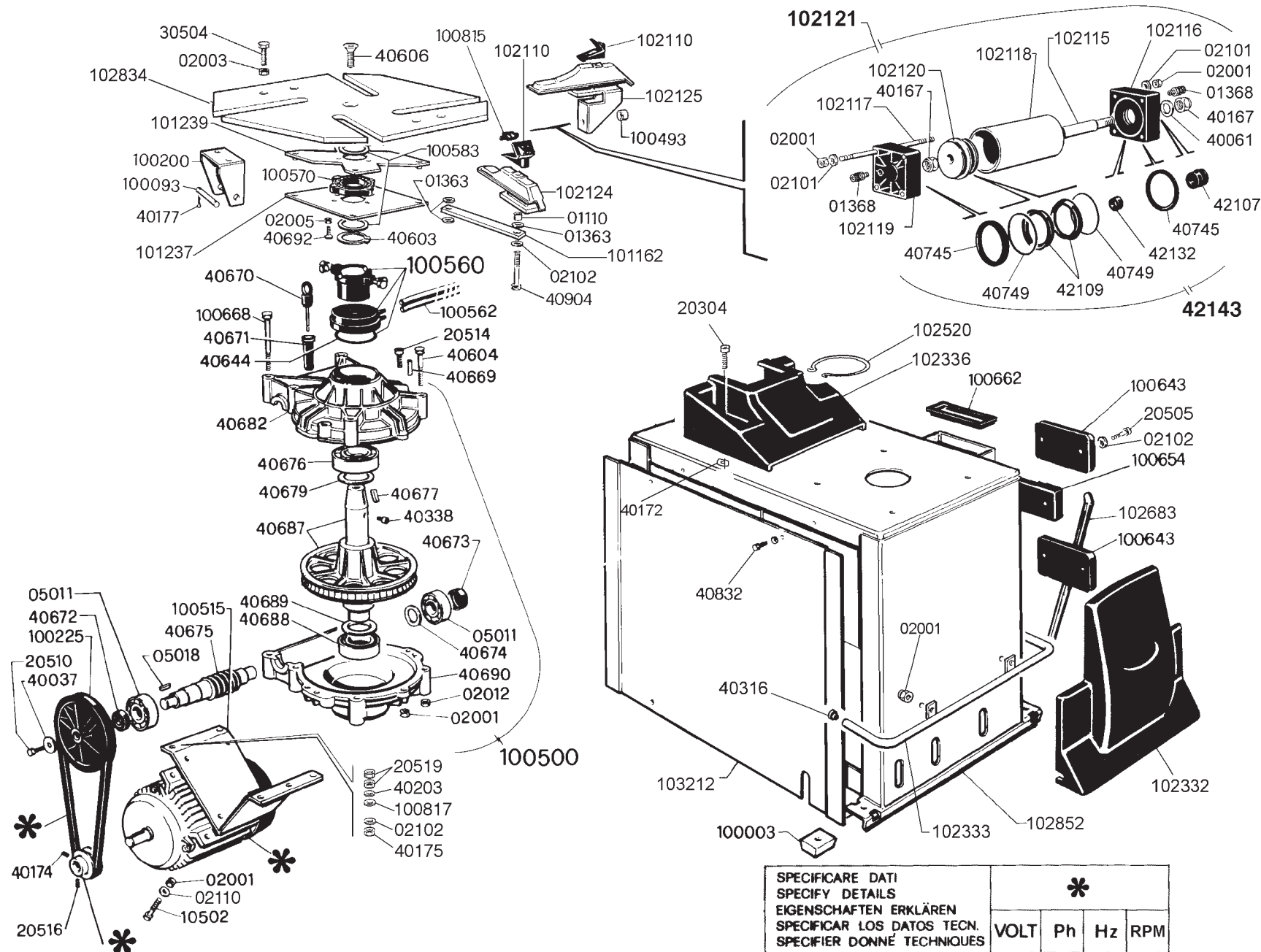


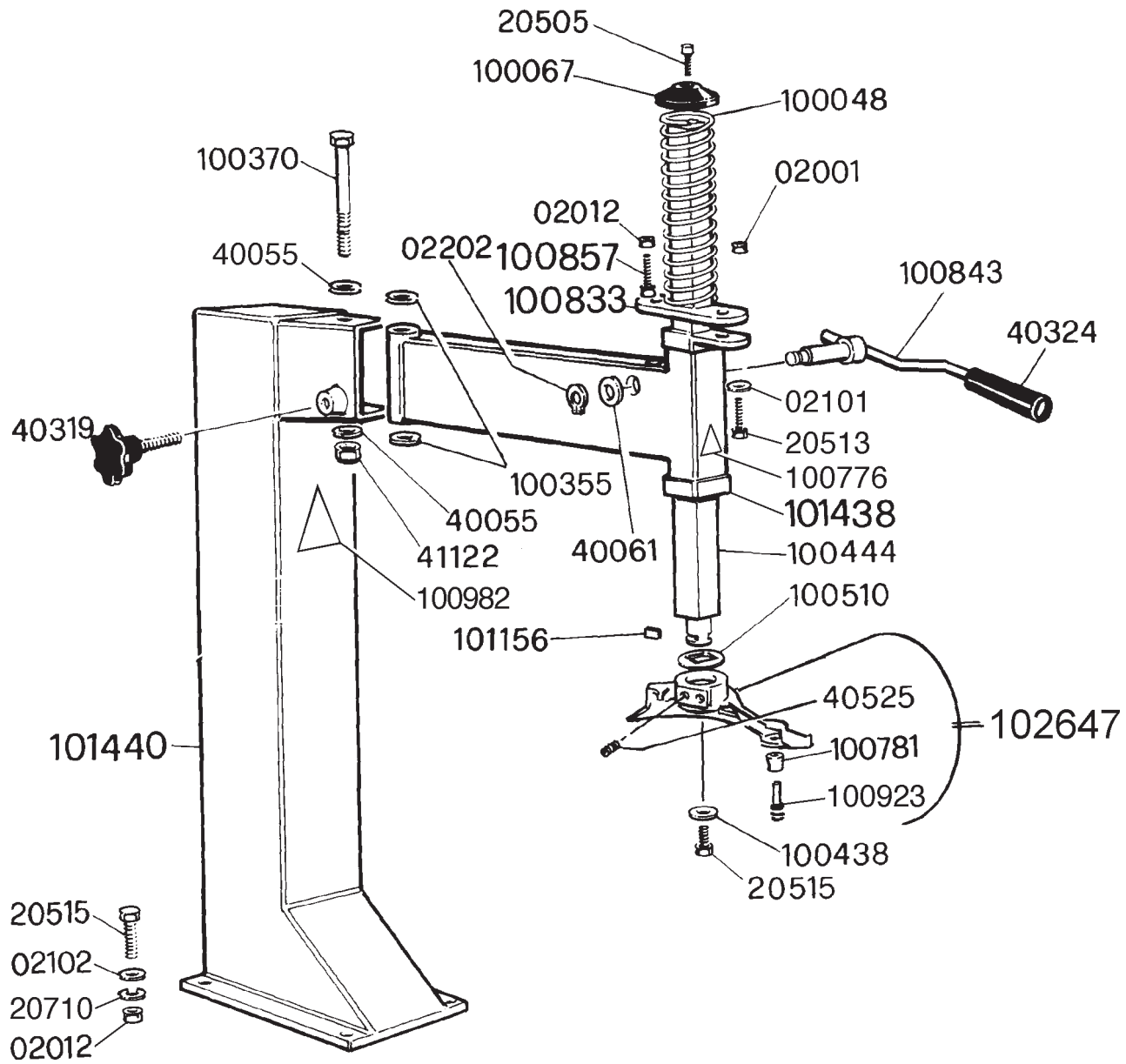
SPARE PARTS

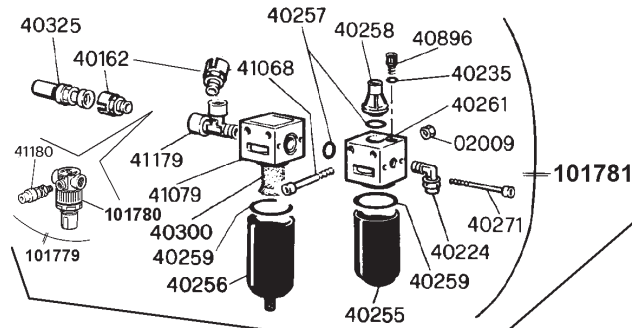
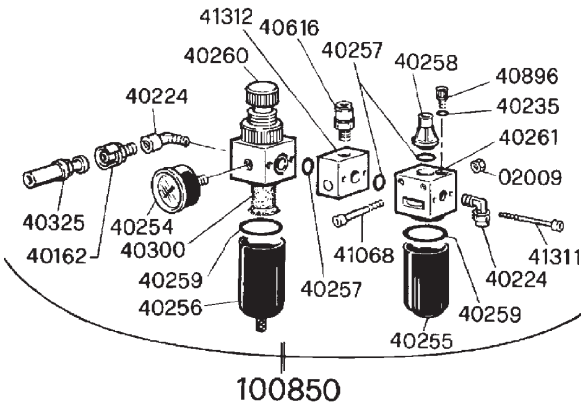
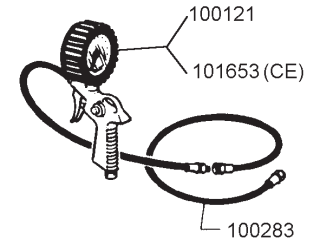
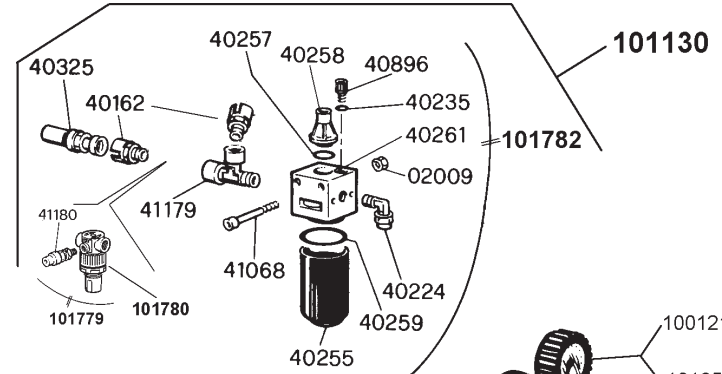
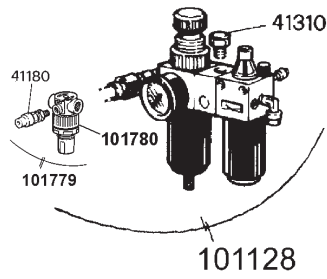
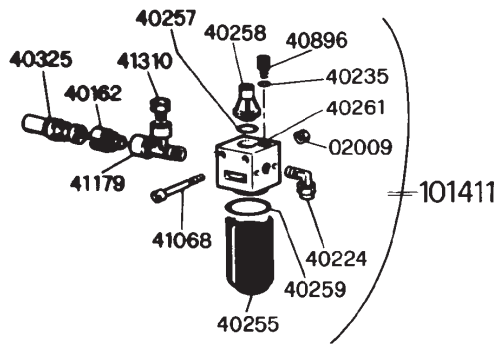
TIRE CHANGING MACHINE

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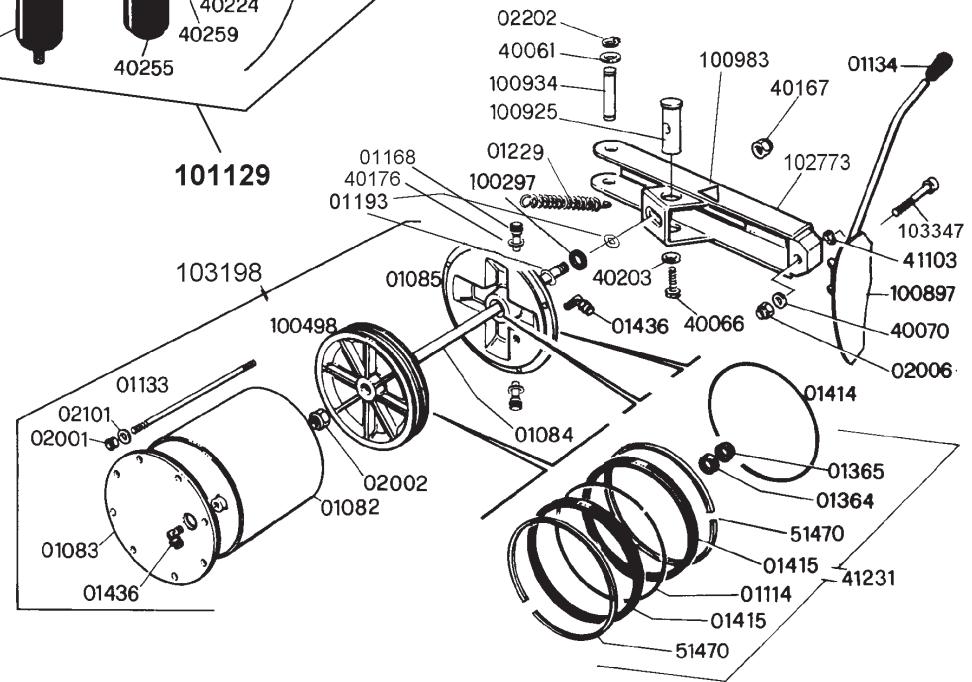
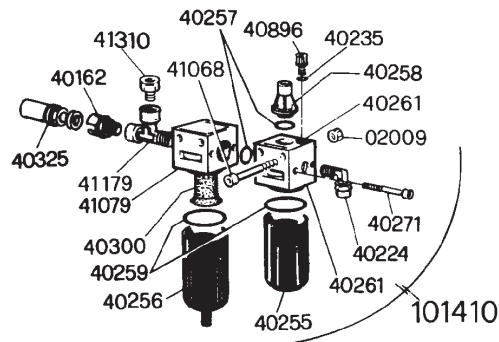
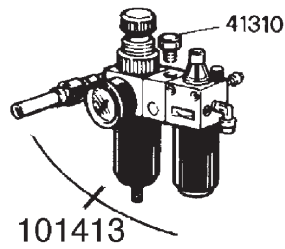
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N° 101013 REV. 3
N° 102733 REV. 3
N° 101015 REV. 4
N° 102295 REV. 4
N° 102296 REV. 6
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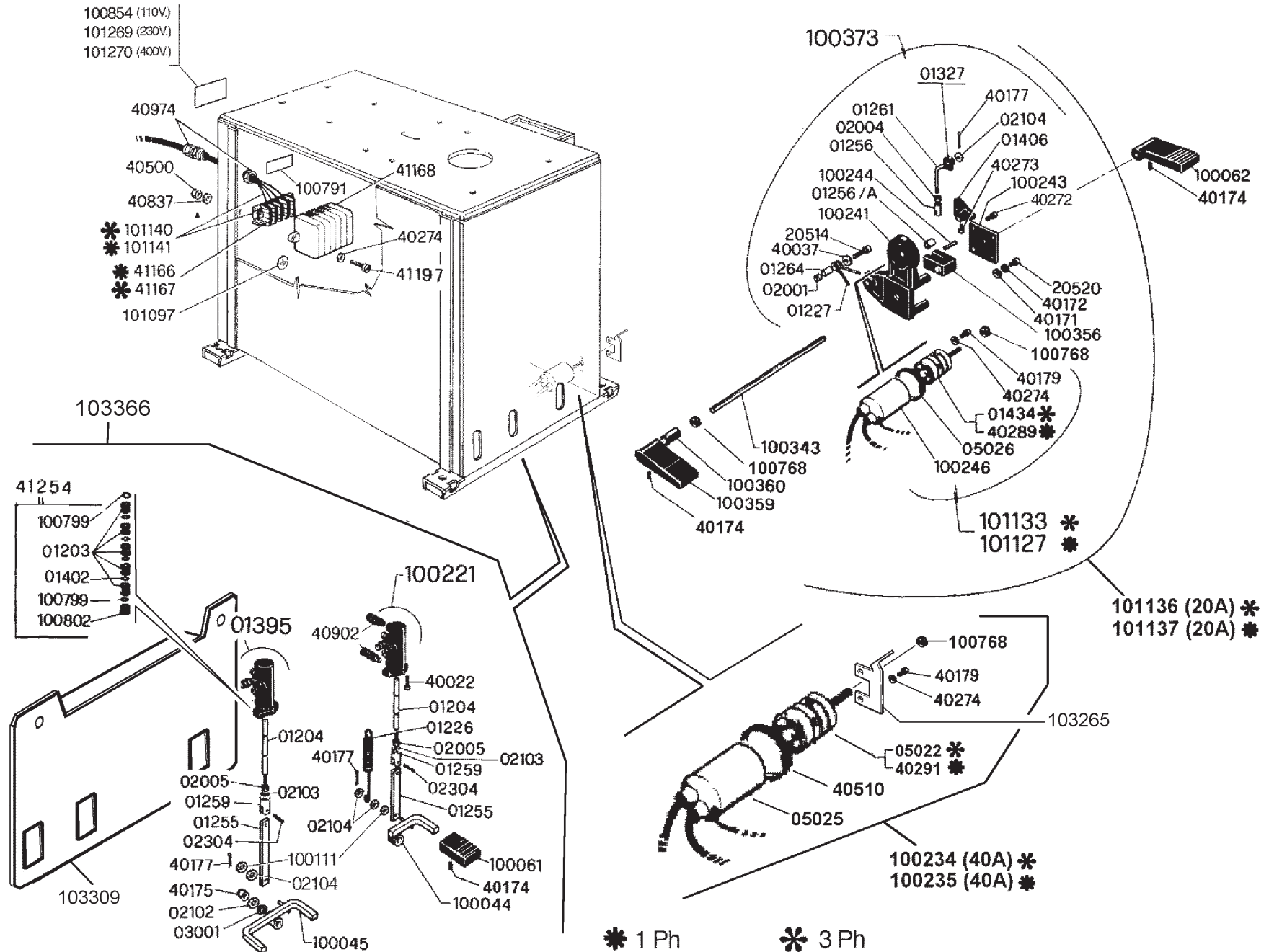


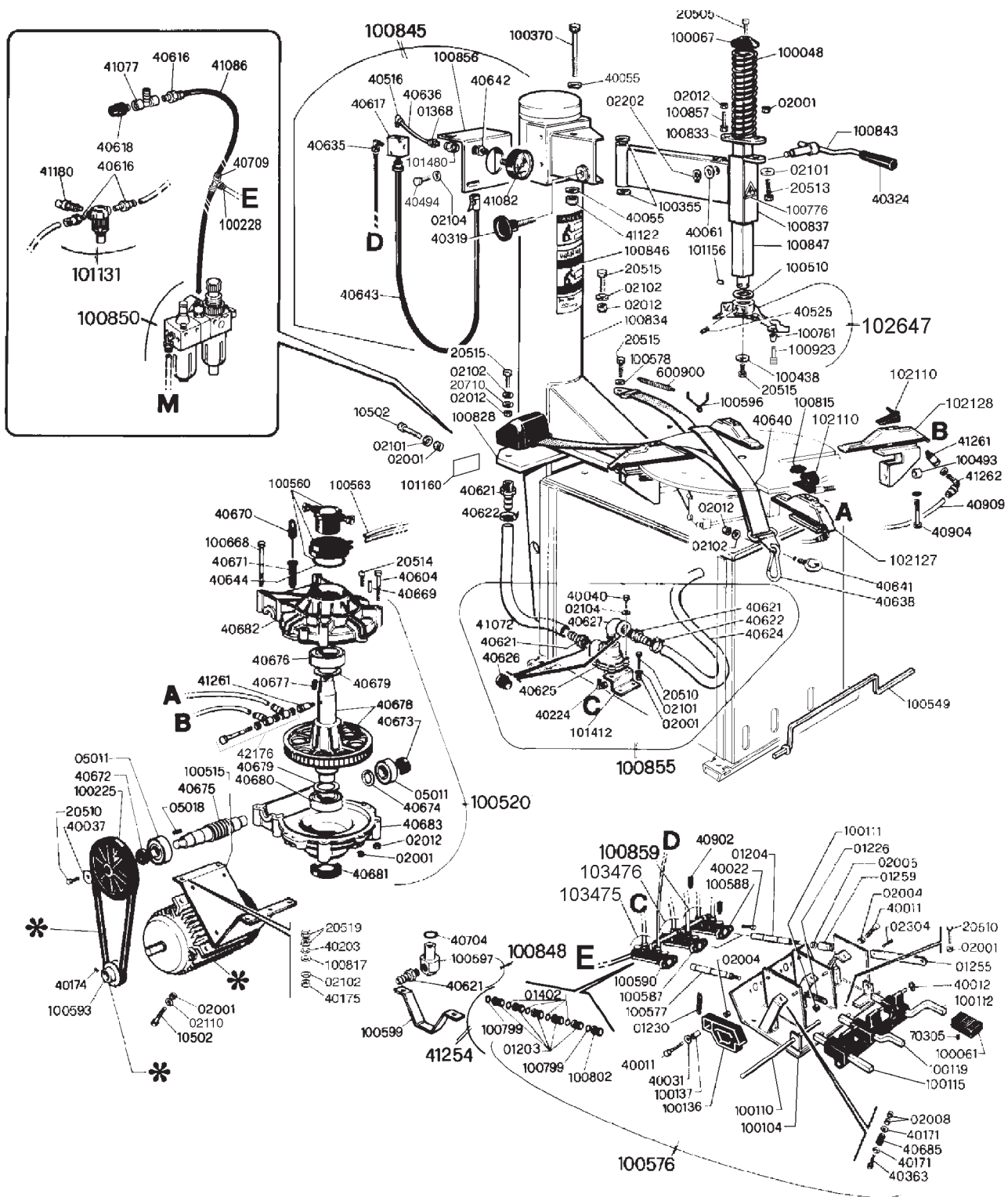




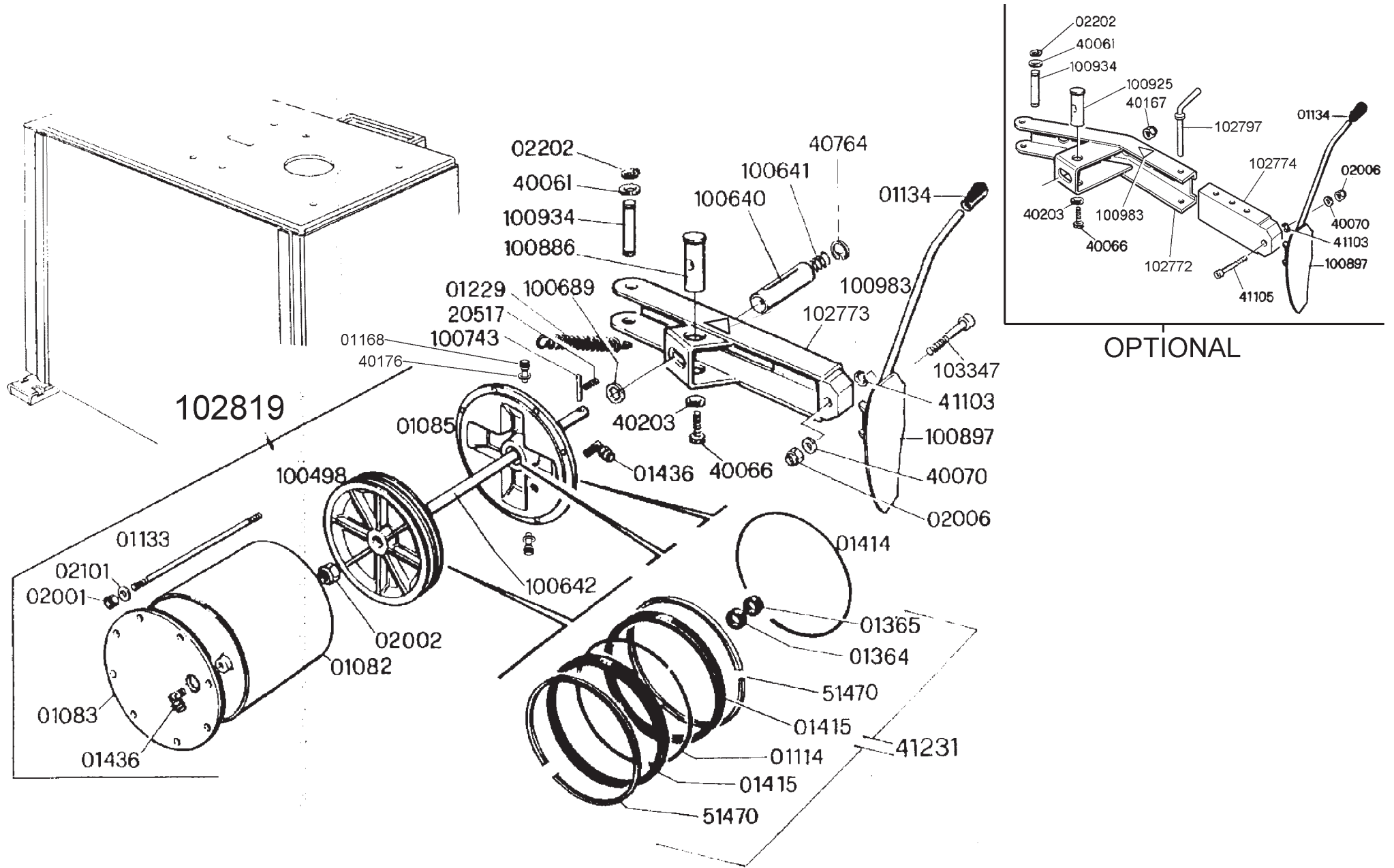
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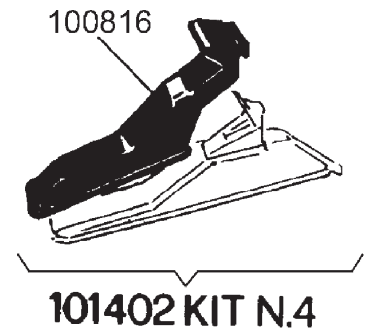
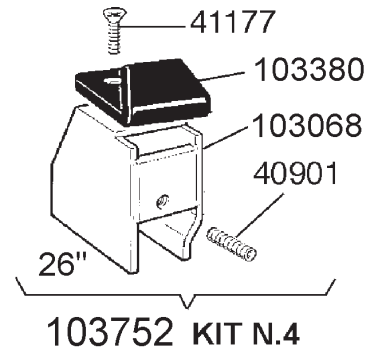
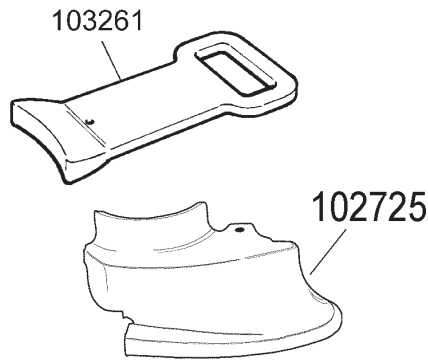
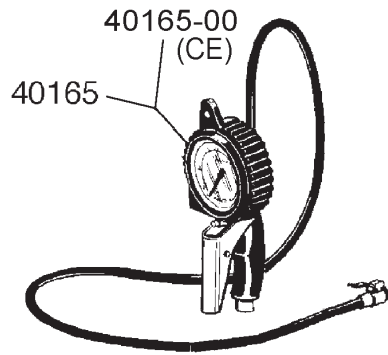
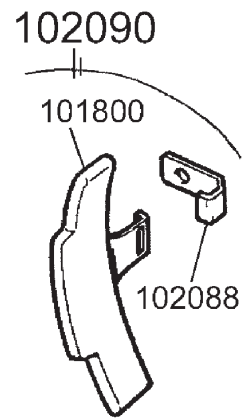




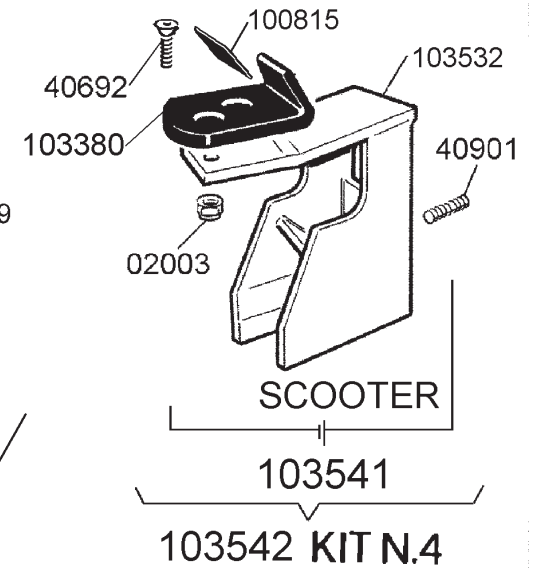
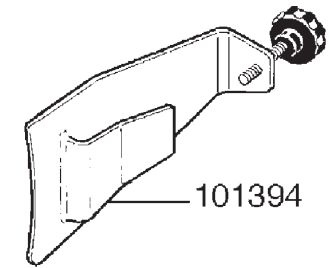
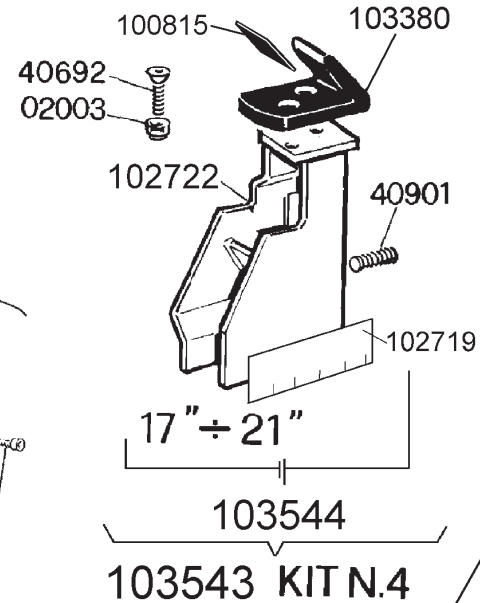
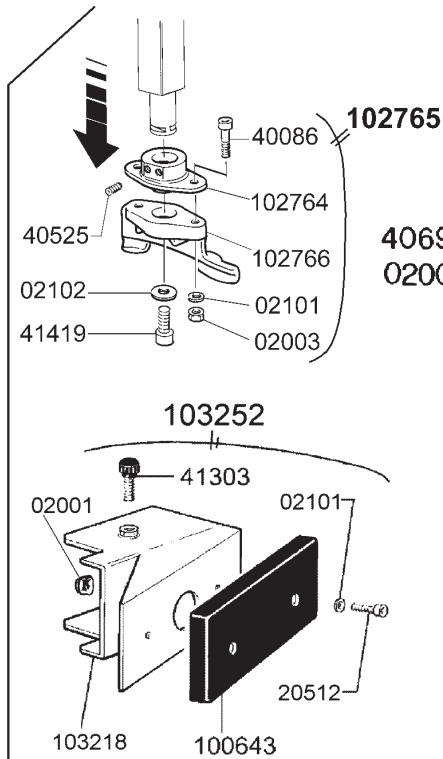
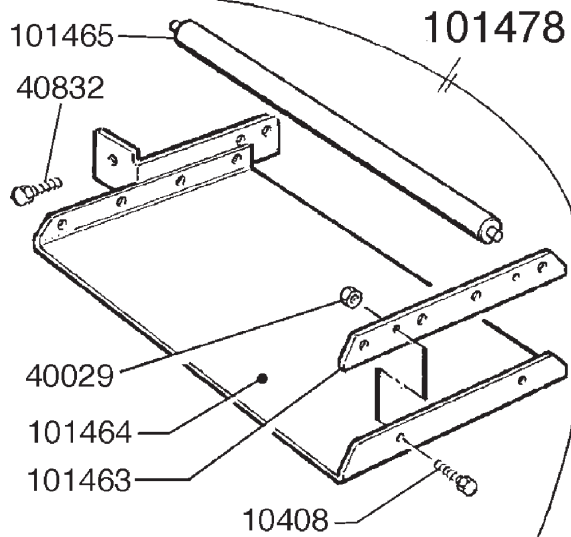
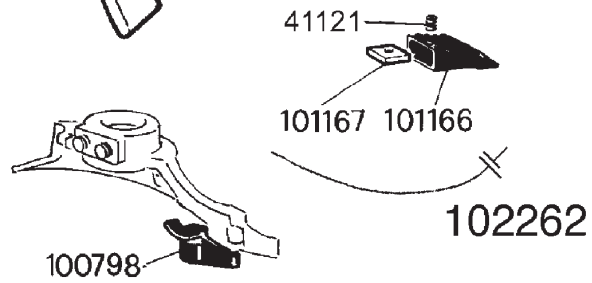


SPECIFICARE DATI SPECIFY DETAILS EIGENSCHAFTEN ERKLÄREN SPECIFICAR LOS DATOS TECN. SPECIFIER DONNÉ TECHNIQUES	*			
	VOLT	Ph	Hz	RPM



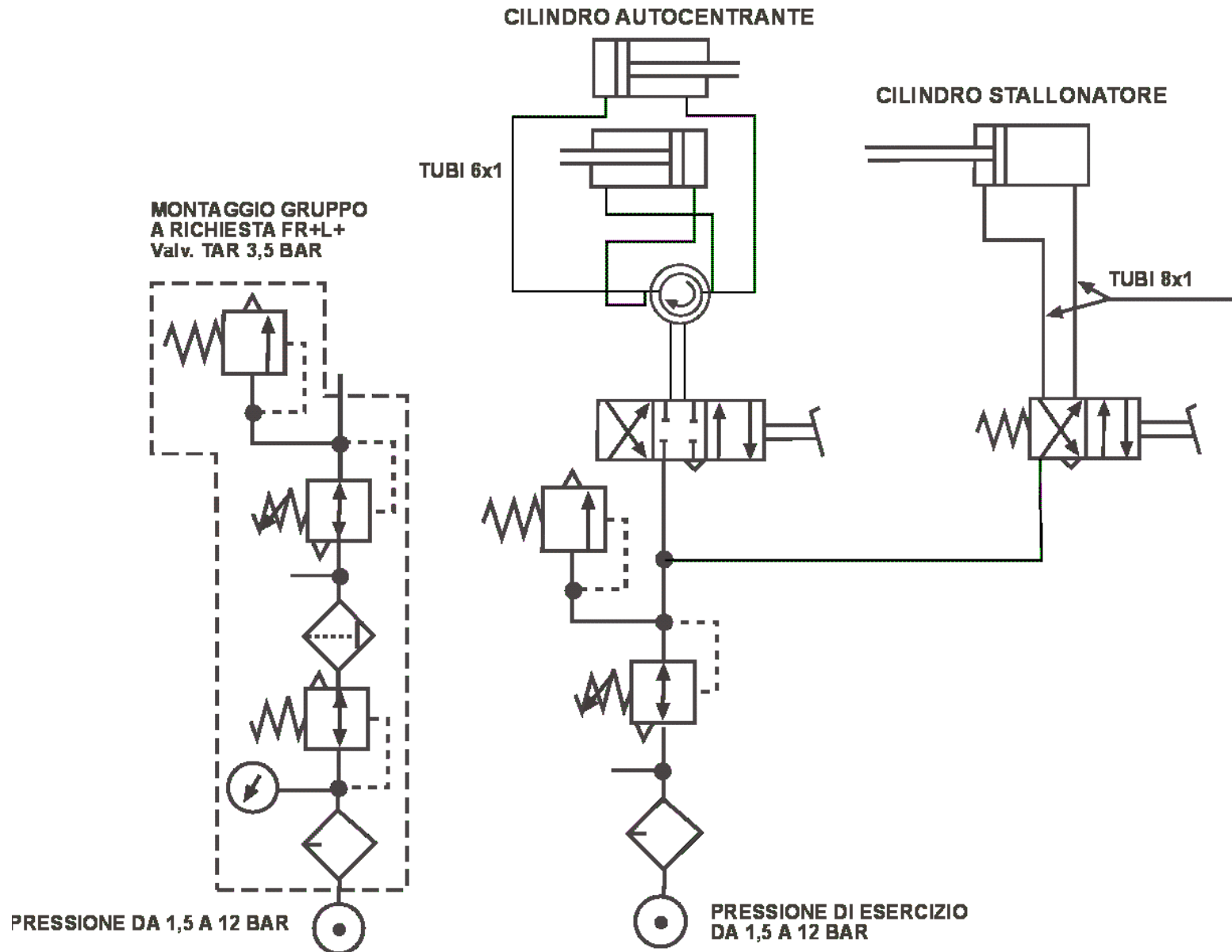


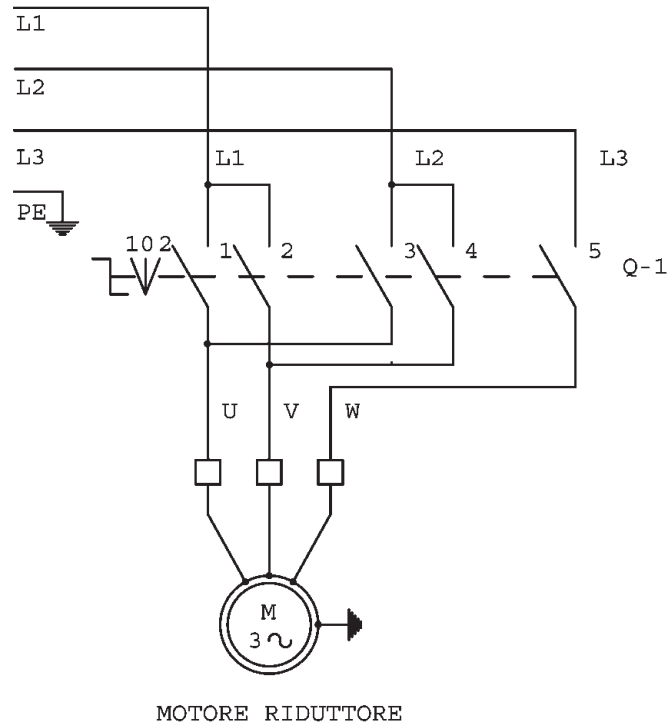
MOTORCYCLE



104026

SCHEMA IMPIANTO PNEUMATICO



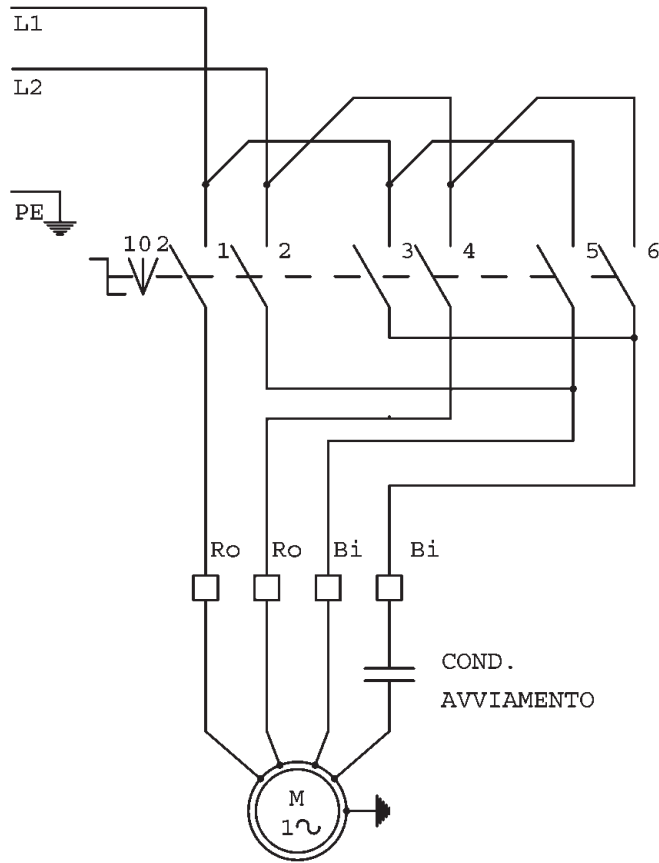


Q-1

	X	X		X		2	POS.
						0	
X			X	X		1	
1	2	3	4	5	6	CONT.	
I	II	III	ELEM.				

- 1-ROTAZIONE ORARIA
- 2-ROTAZIONE ANTIORARIA

DISEGNO : 100078	DATA	DIS
	21/11/02	PEL
3 Ph - 1 speed		



Q-1

Q-1

X			X	X	X	2	POS.
						0	
X	X	X	X				1
1	2	3	4	5	6	CONT.	
I	II		III		ELEM.		

- 1-ROTAZIONE ORARIA
- 2-ROTAZIONE ANTIORARIA

MOTORE RIDUTTORE

DISEGNO : 100183	DATA	DIS
	21/11/02	PEL
1 Ph - 1 speed		

CONDITIONS OF GUARANTEE

The product is guaranteed for a period of one year from the date of its entering service, which is taken to be the date of purchase of the final user. Proof of guarantee is provided by the CERTIFICATE OF GUARANTEE completed in full together with a fiscally valid receipt.

In order for the guarantee to have effect the CERTIFICATE OF GUARANTEE must be presented together with the fiscally valid receipt. Both of these must be shown to the authorised technician in the case of intervention by the same. Any faults must be reported within and not after 5 days of discovery. The guarantee covers the repair or replacement of faulty component parts of the product without charge. The guarantee does not include any parts that are defective as a result of negligence or neglect of the product during use (failure to observe the instructions for the operation of the product), incorrect installation or maintenance, maintenance conducted by untrained personnel, damage caused during transport, or to other circumstances that are not attributable to defects during the manufacture of the product. Also excluded from the guarantee conditions are any operations for the installation and connection of power supplies, and maintenance procedures as described in the Instructions Manual. The guarantee also excludes all cases involving the improper use of the product. The manufacturer denies all responsibility for possible damage, both direct and indirect, to persons, things, and animals resulting from the failure to follow the instructions and warnings contained in the Instructions Manual. In the case that the product is repaired at a Technical Service Centre of the manufacturer, the deriving risks of transport are to be born by the purchaser in the case of direct consignment, and are the responsibility of the Centre in the case of collection from the customer. Transport expenses are in any case payable by the purchaser. Parts replaced under guarantee are guaranteed for a further six months from the date of intervention, proof being provided by the documentation of the work itself.

Dichiarazione CE di Conformità
Declaration of Conformity
EG-Konformitäts-Erklärung
Déclaration de Conformité
Declaración de Conformidad CE



La Ditta / The Company / Hiermit bescheinigt das Unternehmen / La Maison / La Compañía

Automotive Distributions Group, Inc

1-800- 497-0009

dichiara con la presente la conformità del Prodotto / herewith declares conformity of the Products / die Konformitäts des Produkts /
déclare par la présente la conformité du Produit / Declare la conformidad del Producto:

Designazione / Designation / Bezeichnung / Désignation / Designación

Smontagomme - Tire Changer - Reifenwechsler - Démonte-pneus - Desmonta neumaticos

Tipo- N° di serie / Type -Serial number / Typ-Fabriknummer, usw / Type-Numero de série / Tipo-Numero de fabricación

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alle norme sottostanti / with applicable regulations below / mit folgenden einschlägigen Bestimmungen / selon les normes ci-dessous / con directivas subaplicables:

Direttive CEE / EC Directive /EG-Richtlinie / Directive CEE / Directivas CE

73/23/CEE - 89/336/CEE - 92/31/CEE - 98/37/CEE

97/23/CE cat. 1, mod.A (mod. IT, AS, ITAS)

Norme Armonizzate Applicate / Applied harmonized standards / Angewendete harmonisierte Normen / Normes harmonisées appliquées / Normas aplicadas en conformidad

EN 292.1 - EN 292.2 - EN 60204-1 - EN 50081-1 - EN 50082-1 EN983 -

EN 10204, EN 288, EN 287 (mod. IT, AS, ITAS)

Ente notificato, Tipo di prova / Notified body- Type test / Gemeldete Stelle, EG-Baumusterprüfung / Organisme, Type d'essai / Nombre de la Corporacion, Numero de Certificación

Data / Date / Datum / Date / Fecha :

20.04.2006

Firma / Signature / Unterschrift / Signature / Firma

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