CORGHI

CE

MONSTER AGTT

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TRANSLATION OF ORIGINAL INSTRUCTIONS

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INTRODUCTION

The purpose of this manual is to furnish the owner and operator with a set of practical, safe instructions on the use and maintenance of the tyre changer for heavy vehicles.
If these instructions are followed carefully, your machine will give you the efficient and long-lasting service that has always characterised CORGHI products, thus making your work considerably easier.
The following paragraphs define the levels of danger regarding the machine, associated with the warning captions found in this manual:

DANGER
Immediate danger, causing serious injury or death.

ATTENTION
Danger or unsafe procedures that could cause serious injury or death.

WARNING
Danger or unsafe procedures that could cause minor injury or material damage.
Read these instructions carefully before powering up the machine. Keep this manual and all illustrative material supplied with the machine in a folder near the tyre changer, where it is readily accessible for consultation by the machine operator.
The technical documentation supplied is considered an integral part of the machine, and must always accompany the equipment if it is sold or transferred to a new owner.
The manual is only to be considered valid for the machine of the model and serial number indicated on the nameplate applied to it.


WARNING

Comply with the contents of this manual: The producer declines all liability in the case **of actions not specifically described and authorised in this manual.**

NOTE.
Some of the illustrations in this manual have been taken from photographs of prototypes; the standard production model may differ slightly in certain respects.
These instructions are for the attention of personnel with basic mechanical skills. We have therefore condensed the descriptions of each operation by omitting detailed instructions regarding, for example, how to loosen or tighten the fixing devices on the machine. Do not attempt to carry out procedures which exceed your level of proficiency, or for which you do not have experience. If in need of assistance, call an authorised assistance centre.

MACHINE HANDLING AND STORAGE

Machines in their packaging must be stored in a dry place, with ventilation if possible. Place the packs far enough apart to allow the information provided on the sides of the packaging to be read easily.

CAUTION

Do not stack more than two packs to avoid damaging them.

- Packaging dimensions: (fig. 1).
  - Depth (B) ..... 2200 mm
  - Width (A) ..... 2400 mm
  - Height (C) ..... 1300 mm
- Weight
  - Machine with packaging ..... 1450 kg
  - Machine ..... 1350 kg
- Position of the barycenter (fig.2)
  - Width D ..... 1200 mm
  - Depth E ..... 1100 mm
- Ambient temperature for storing the equipment: -25° - +55°C

Handling

WARNING

Carry out carefully the assembly and handling operations described. Failure to comply with these instruction may damage the machine and risk the operator's safety.

WARNING

Before handling the machine, compare its barycentre and weight with the capacity of the lifter you have chosen.
To move the packaged machine, insert the tines of a fork-lift truck into the slots on the base of the packaging itself (pallet) (Fig. 2).

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WARNING

The packaged machine must not be lifted using a crane or hoist (Fig. 3). Use the hooking point to handle the machine without its packaging (Fig.4).

CAUTION

Gripping the various projecting parts of the structure in a manner not recommended here is absolutely forbidden. When moving it after installation, position the machine as shown in Fig. 4 to guarantee that the load is correctly balanced. If necessary, move the electrohydraulic power unit on the base as shown in Fig.5.

INSTALLATION

WARNING

Take the utmost care when unpacking, assembling, lifting and setting up the machine as indicated below.
Failure to comply with these instruction may damage the machine and risk the operator's safety.
Remove the original packaging materials after positioning them as indicated on the packaging and keep them for possible future shipping.

Installation clearances

ATTENTION (for radio versions only)

Before starting with installation, make sure that no machines working with the same frequency band are located within a radius of 200m from the selected installation spot.
In the case of interference, request a different frequency band.

WARNING

The regulations in force concerning safety at work must be complied with when choosing the installation position.
The floor must be able to support a load equal to the sum of the weight of the equipment plus the maximum load allowed, taking into consideration also the resting base **and any fixing means envisaged.**
Position the machine in a manner that guarantees access to all four sides. In particular, check the minimum space required for the work indicated in Fig. 6:
- at the front for wheel loading and unloading;
- at the rear to be able to view the work being performed.

IMPORTANT: for correct, safe use of the equipment, we recommend a lighting level of at least 300 lux in the place of use.

WARNING

If the machine is installed outdoors, it must be properly sheltered under a roof.

Work environment conditions

- Relative humidity: 30-95% without condensation
- Temperature range: 0° — +55°

WARNING

Use of the machine in a potentially explosive atmosphere is not permitted.

Positioning on the ground

Before proceding with any operation, it is recommended to level the machine on the ground using the adjustable feet (fig.7) to ensure better stability when working. In the case of very heavy wheels, it may be necessary to further adjust the feet. This will prevent any jerking from the rear part of the base.

Fixing to the ground

If the machine is to be fixed to the ground, use M16 expansion plugs in the areas indicated in Fig. 7.

ELECTRICAL HOOK-UP

The tyre changer must be powered with three-phase current plus a neutral wire. The power supply voltage must be specified in the purchase order.

WARNING

All operations required for the electrical connections of the equipment must be carried out **exclusively by a qualified electrician.**

- The electrical supply must be suitably sized in relation to:
  - absorbed power specifications indicated on the machine data plate.
  - the distance between the machine and the power supply hook-up point, so that voltage drops under full load do not exceed 4% (10% during start-up) compared with the rated voltage specified on the data plate.
- The user must:
  - fit a power plug that complies with the relevant electrical safety standards;
  - connect the machine to its own electrical connection fitted with a suitable differential circuit breaker with an intervention threshold of 100mA and a 32A automatic thermal magnetic switch with a "D" type intervention curve;
  - mount power line protection fuses, suitably sized according to the specifications indicated on the main wiring diagram contained in this manual;
  - install an efficient grounding circuit to protect the workshop electrical system.
- To prevent unauthorised use of the machine, always disconnect the mains plug when the machine is not used (switched off) for extended periods of time.
- If the machine is connected directly to the power supply by means of the main electrical board without a separate plug, install a key-operated switch (or at least a switch that can be locked) to restrict machine use to authorised personnel only.

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ATTENTION

For the correct functioning of the machine it is vital to have a good ground connection. NEVER connect the machine ground wire to a gas pipe, water pipe, telephone cable or any other unsuitable object.

SAFETY REGULATIONS

The equipment is intended for professional use only.

WARNING

Only one operator may work with the equipment at a time.

WARNING

Failure to comply with the instructions and danger warnings can cause serious injuries to the operator or other persons.
Before starting up the equipment, always ensure you have read and understood all the danger/warning signs in this manual.
In order to operate the machine correctly, it is necessary to be a qualified and authorised operator, able to be trained and to know the safety regulations. Operators are expressly forbidden from using the machine under the influence of alcohol or drugs capable of affecting their capacity to perceive danger.
The following conditions are essential:

- read and understand the information and instructions described in this manual;
- have a thorough knowledge of the features and characteristics of the machine;
- keep unauthorised persons well clear of the working area;
- make sure that the machine has been installed in compliance with all relevant standards and regulations in force;
- make sure that all machine operators are suitably trained, that they are capable of using the machine correctly and safely and that they are adequately supervised during work;
- do not touch power lines or the inside of electric motors or other electrical equipment before making sure that they have been powered off;
- read this booklet carefully and learn how to use the machine correctly and safely;
- always keep this operator manual in a place where it can be easily accessed and do not neglect to consult it.

WARNING

Do not remove or deface the DANGER, WARNING, CAUTION or INSTRUCTION decals. Replace any missing or illegible decals. If one or more decals have been detached or damaged, replacements can be obtained from your nearest CORGHI dealer.

- Observe the unified industrial accident prevention regulations relating to high voltages and rotating machinery whenever the machine is in use or being serviced.
- Any unauthorised alterations made to the machine automatically release the manufacturer from any liability in the case of damage or accidents attributable to such alterations. Specifically, tampering with or removal of the machine safety devices is a breach of the regulations relating to Safety at Work.

WARNING

During work and maintenance operations, always tie back long hair and do not wear loose clothing, ties, necklaces, wristwatches or any other items that may get caught up in the moving parts.

WARNING

Keep unauthorised persons away from the working area (Fig. 8).

WARNING

Before performing any service operations on the hydraulic system, position the machine in the resting mode (fig. 4) with the turntable bar lowered and the turntable completely closed.

TYRE CHANGER DESCRIPTION

This machine is electro-hydraulically operated, with exclusive technologies patented by CORGHI S.p.A.
It works on any type of integral wheels (drop centre and with a side ring) with the maximum dimensions and weights indicated in the TECHNICAL DATA paragraph.
The machine is solidly constructed and has relatively reduced dimensions in comparison to its operative capacity. It holds the wheel in a vertical position and is activated by the operator by means of a special radio control.

TECHNICAL DATA

- Maximum width ..... 3065 mm
- Maximum depth ..... 2600 mm
- Maximum height ..... 2150 mm
- Gear unit motor ..... 2.2 kW.
- Hydraulic pump motor ..... 3.3-4 kW
- Machine weight..... 1350 kg
- Rim dimensions..... from 14" to 58".
- Maximum wheel diameter ..... 2500 mm
- Maximum wheel weight..... 1700 kg.
- Maximum wheel width..... 1470 mm
- Oil tank capacity..... 15 l.
- Type of hydraulic oil .....API HS68 / AGIP ARNICA 68.

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- Noise level:
  - A-weighted sound pressure level (L^{Pa}) at the working position... < 70 dB (A)

The noise levels indicated correspond to emission levels and do not necessarily represent safe operating levels. Although there is a relationship between emission levels and exposure levels, this cannot be used reliably to establish whether or not further precautions are necessary. The factors which determine the level of exposure to which the operator is subject to include the duration of the exposure, the characteristics of the workplace, other sources of noise, etc. The permitted exposure levels may also vary according to the country. However, this information will enable machine users to make a more accurate assessment of hazard and risks.

ACCESSORIES INCLUDED WITH THE MACHINE

- Code 219244 Rim pliers.
  The locking grip, when fixed firmly to the rim edge prior to mounting, makes it easier to lift the tyre, insert it into the rim well and keep it in position.
- Code 236906 Bead lifting lever.
  The bead lifting lever keeps the bead in position on the tool when demounting agriculture wheels.
- Code 317620 side ring lever
  The side ring lever is used to make it easier to remove the side rings from the earthmoving wheels that use them.
- Code 435443 Grease gun
  The grease gun is used for the monthly greasing recommended for all moving machine parts.

OPTIONAL ACCESSORIES SUPPLIED ON REQUEST

Please refer to the relevant accessories catalogue.

SPECIFIED CONDITIONS OF USE

The tyre changer was designed exclusively for tyre mounting and demounting.


WARNING

Any use other than those described in this manual is to be considered improper and unreasonable.


DANGER

The manufacturer does not intend the machine to be used for inflation operations.
If the operator decides to proceed with partial bead insertion in the tyre on the machine using his own equipment, a pressure of 0.5 bar must NOT be exceeded (unless the tyre manufacturer does require lower pressure levels), as indicated in the UNI Standard 10588.


WARNING

Do not clean or wash the wheels mounted on the machine with compressed air or jets of water.


WARNING

Only original CORGHI equipment is recommended for use with the machine.

Fig.10 shows the safety distances and the positions used by the operator during the various work phases:
A Positioning the wheel on the turntable
B REAR bead breaking
C FRONT bead breaking, demounting and mounting.

MAIN WORKING ELEMENTS OF THE MACHINE

WARNING

Get to know your machine: your familiarity with its exact operation is the best guarantee of safety and performance.
Learn the function and location of all commands.
Carefully check that all controls on the machine are working properly.
The machine must be installed properly, operated correctly and serviced regularly in order to prevent accidents and injuries.

A Main switch
B Control lever
C Pressure gauge
D Lifting point
E Electrohydraulic power unit
F Turntable
G Bead breaker disc
H Tool
I Tool arm
L Display
M Side To Side
N Potentiometer

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Start the machine with the main switch (A, Fig. 11) and make sure that the hydraulic power unit motor is rotating in the direction indicated by the arrow (A, Fig. 12) which can be seen on the motor cap.
Otherwise, the rotation direction must be corrected immediately in order not to damage the pump unit.
All machine parts are powered by low voltage (24V), with the exception of the hydraulic power unit and the turntable rotation motor, which are powered with mains voltage.

WARNING

Make sure that all parts of the hydraulic circuit are tightened correctly. If pressurised oil escapes, it can cause serious injury.

WARNING

The machine is equipped with devices that guarantee the operator's safety:

1. Between the central bar and the base, a rubber strap prevents crushing under the lifting cylinder attachment.
2. The machine uses some protections on the tool trolley that prevent crushing between the tool arm and the sliding trolley. Do not approach the machine when the tool movement commands are activated.

 WARNING

To prevent accidents when using the included or optional accessories, make sure that **the mechanical parts have been correctly installed and well fixed to the parts. When working, firmly grip the manual accessories.**

NOTE.
The machine may also be used for tyre grooving.
For this operation, the low speed should be selected.

 WARNING

Always check that the tyre size is compatible with the rim size prior to assembly.

DANGER WARNING DECALS

NEVER insert hands, arms or anything else inside the turntable while it is opening or closing.

While the turntable is being lowered, both with a mounted wheel or with the turntable open, maintain a safe distance to prevent crushing.

NEVER come between the tool unit and the rim or locked wheel on the turntable.

Keep a safe distance when the tool unit is tilting to prevent crushing.

Before performing any operation with the tools, make sure that the pins are fully inserted in their seats. Visually check through the slots that the pins are against the wall (Fig. 12).

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For safety reasons, never leave the wheel locked on the turntable during work breaks.

Machine with remote controlled movements.

FUNCTIONAL DESCRIPTION OF THE COMMAND TRANSMISSION UNIT LOCATED ON THE TX UNIT CONTROL LEVER WITH THE USE OF THE RADIO MODULE AND BATTERY

TRANSMISSION MONITORING VIA THE LEDS
Different coloured leds are provided on the control lever as a visual aid for the user for monitoring the transmission system.
The LEDs turn on at the same time for approx. 1 second when the TX unit switches on for the self-test.
Note: to turn off the TX unit disconnect both the battery as well as the control cable. When the control cable or the battery is reconnected the TX unit will switch on and perform a self-test.

TX UNIT LED:
TX LED ON (GREEN)
"F" LED (RED)
STOP LED (RED)
LOW BATT LED (YELLOW)

FUNCTION OF THE TX LED ON:
When it is on this indicates that data is being transmitted from the transmitting unit to the receiving unit following the activation of one or more commands.
It will remain on as long as the commands are activated.

FUNCTION OF THE "F" LED:
This LED turns on when the F key is pressed together with one of the keys that has a second function.
In this way the operator has the confirmation that the command given to the machine is the second function and not the main key function.

FUNCTION OF THE LOW BATT LED
This LED turns on when the TX unit power supply battery voltage is below the minimum operating threshold.
When it turns on and stays on, this informs the user that the power supply battery must be recharged.
Once the TX unit LED turns on, you can continue transmitting for approx. four consecutive hours. After this period of time the TX unit will turn off and remain inactive due to a lack of power.
The LOW BATT LED will turn off when the battery charger is connected to the TX unit.

FUNCTION OF THE STOP LED
The STOP LED turns on and remains on for the entire period that the stop key is pressed.

This key immediately turns off all machine actuators (motors and solenoid valves) but must not be considered an emergency button as the transmission of the command is done via a serial connection.

FUNCTIONAL DESCRIPTION OF THE COMMAND RECEPTION UNIT VIA RADIO LOCATED ON THE ELECTRICAL BOARD - RX UNIT

The command reception unit, called RX unit, is housed in the tyre changer electrical control board.
The RX unit receives the codified commands in a serial manner via a radio connection or via cable with the TX unit located on the control lever. For a radio connection the radio modem is used that is located outside of the electrical board on the right side.
The connection via radio toggles automatically between a connection via cable and via radio and vice versa when the control cable is connected/disconnected.

Three LEDS (green, white and red) are located on the right side of the electrical board.

The green LED (CABLE PRESENCE LED) turns on each time the control cable is connected and indicates that the transmission is taking place via cable and not via radio. When the control cable is disconnected, the LED turns off and the machine switches automatically to reception via radio.

The white LED (RX ON LED) turns on and flashes when the RX unit receives commands via cable or via radio.

The red LED (ALARM LED) turns on in the case of a machine alarm.It may turn on flashing or steady depending on the type of alarm.

NOTE
see the section STOP COMMAND AND EMERGENCY PROCEDURE in this manual to identify the type of active alarm.

When the machine turns on the LEDs light up together for approx. two seconds for a self-test.

The RX unit starts the hydraulic pump motor each time it receives a command from the control lever's TX unit and the pump will remain in operation for an additional 5 seconds after the last command is received.

DESCRIPTION OF CONTROL LEVER COMMANDS FIG.13

1 Horizontal movement → turntable trolley and tool trolley translation
Vertical movement → turntable trolley translation
2 Button for using the second speed for turntable trolley and tool trolley translation
3 Vertical movement → tool unit lowering and lifting
Horizontal movement → tool unit rotation
4 Vertical movement → demounting position and tool search position
Horizontal movement → bead breaker disc inclination orientation
5 Vertical movement with return → automatic demounting command
6 Vertical movement → turntable rotation speed adjustment
7 Vertical movement → wheel height adjustment
8 Vertical movement → turntable opening and closing control.
Guard provided for preventing accidental contact
9 Bead breaker disc tangency dead-man switch
10 Tool tangency dead-man switch
11 Function reset button
12 Rim diameter setting buttons, 12a decreases the values 12b increases the values
13 Function button to press with:
button 12a to store a position other than those preset for the tools
button 12b to toggle between dimensions in inches and millimetres
button 14/15 to perform the side to side command with tool unit rotation
14 Button to control the side to side without tool unit rotation
to pass from the rear bead to the front one
15 Button to control the side to side without tool unit rotation
to pass from the front bead to the rear one

- Pedals (Fig. 14) that are used to rotate the turntable in a clockwise or anticlockwise direction.


WARNING

When locking a rim, continue to operate the control to make sure that the maximum pressure (180 bar) has been reached, which can be checked on the pressure gauge (C, Fig. 10)..


WARNING

The distributor-turntable pressure tests are performed with the wheel mounted.


WARNING

When working, always control the pressure of the turntable

NOTE.
Also check the pressure during tyre mounting and demounting operations; to solve rim settling problems, continue to operate the locking control.


WARNING

The control lever must never be positioned in an area where water can stagnate.

WHEEL LOCKING INSTRUCTIONS

The machine has a high pressure hydraulic circuit for the movements. The pressure in this circuit can be adjusted by turning the handle (A, Fig. 15) as explained in the table.

normal operating pressure adjustment range
from 80 to 180 bar

The pressure at which the machine is set can be checked on the pressure gauge (C, Fig. 10) by operating the turntable open control to its end of stroke or by locking a rim.
NOTE.
When working with light alloy rims, it is recommended to use the specific clamps supplied upon request (Fig. 16) in order to prevent scratching or scuffing the rim. To prevent the rim from rotating on the clamps, a pin for alloy wheels must be inserted in one of the rim fixing holes (A, fig. 17).


WARNING

If the machine malfunctions, retreat to a safe distance and turn the machine's main switch (A, Fig. 18) to 0.


WARNING

Make sure that the rim is correctly and firmly locked on every gripping point of the turntable clamp.


WARNING

Any operation intended to increase the maximum pressure setting value of the relief valves is forbidden.
The manufacturer declines all liability for damage resulting from tampering with these valves.
The pressure should be reduced for weak or particularly thin rims; for thick rims that are difficult to demount, it is recommended to adjust pressure to the maximum level.
Adjust the opening of the turntable using the "closing/opening" control (control 8 fig.13) based on the type of rim to lock (see examples in Fig. 19). If the rim exceeds 48" in the locking point, or when considered appropriate, tip the clamps (fig. 20).

Place the wheel in a vertical position in the machine locking zone. (fig. 21). Use the controls to set the turntable so that the ends of the clamps just touch the rim edge.

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Then lock the turntable, selecting as the locking point the area that is as inward as possible depending on the form of the rim.

DANGER

In view of the size and weight of tyres for earthmoving machines, and to ensure safe operating conditions, a second person must be available to keep the wheel in a vertical position.
A fork-lift truck or a crane should be used when handling wheels weighing more than 500 kg.
Do not leave the wheel locked on the turntable for periods longer than the normal operating pauses.

DANGER

When working with wheels with a diameter greater than 1500 mm, or with a weight higher than 200 kg, during the phase of loading-locking the wheel on the turntable, it is mandatory that you work in safe conditions, following the instructions provided below:
- Tip the tool-holder arm backward.
- Install the wheel anti-tipping guard (A, Fig. 22) in its housing.
- Place the wheel in a vertical position (Fig. 22) so that its external side is next to the guard.
- Activate the turntable in the best way for locking the wheel.
- Remove the guard and then proceed with the mounting and demounting operations.

N.B. The same safety procedure must be used during the wheel loading and unloading phase.

WARNING

When working with wheels that weigh more than 300 Kg it is recommended to use **only the first rotational speed of the turntable. This protects the reducer from damage** and extends its duration.

LUBRICATING TYRES

Before fitting or removing the tyre, lubricate the beads carefully to protect them against possible damage and to facilitate fitting and removal operations.
For the areas to lubricate, refer to figures 38 (mounting tubeless tyres), 39 (demounting tubeless tyres) and 38a (mounting tyres with an inner tube and protector).

WARNING

It is prohibited to use hydrocarbon based lubricants (oil, petroleum, etc.) or other substances that maintain the lubricating effect over time.

WARNING

This tyre changer for heavy vehicles makes it possible to work safely always close to the ground
Lift the heavy tyres as little as possible up off the ground before performing the demounting/mounting operations

WHEEL LOCKING

Lock the wheel on the turntable. Lift it off the ground as little as possible.
Using the + / - buttons and the display, set the rim diameter (command 12 fig. 13). With this operation the rim will be positioned perfectly tangent to the bead breaker disc.
If the dimension is already entered, simply press the "disc tangency" button to position the wheel to the bead breaker disc.(fig. 23).
If necessary, the wheel can be moved manually towards/away from the bead breaker disc.

DEMOUNTING AGRICULTURE WHEELS

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BEAD BREAKING

When the tyre is deflated, turn the turntable in continuation, moving it a little at a time using the specific control.
To make the bead breaking operation quicker, operate the control that adjusts the rotational speed.
N.B. In the case of radial tyres with a delicate side or rims with a very high edge, move the bead breaker to a depth between the rim edge and the bead, as far as the base of the shoulder of the rim.
When the bead breaking is complete, lubricate the bead and the shoulder of the rim using the specific grease or a soapy solution, keeping the wheel in movement.
Use the S.T.S. + function to move the tool unit from the other side of the wheel, turned (fig. 24).
N.B. If the wheel is very heavy, the tool unit should be moved manually from the other side, not using the second speed for safety reasons.
Repeat the same operations for rear bead breaking.
Return the tool holder arm to the front part using the S.T.S. command.

DEMOUNTING THE FRONT BEAD:

- Press the "tool tangency" button to position the wheel with respect to the demounting tool. (fig. 25).
  Position the tool so it is in contact with the tyre, making sure that a safe distance is kept from the rim in order not to bump it during the subsequent search phase; simply make any small corrections manually.
- Move the tool and turn the turntable at the same time (fig. 26).
- Activate the Search command near the channel.
- Once the bead is hooked, return the tool to the horizontal position using the Search command (Fig. 27).
- Move the tool outward until moving the external edge of the rim so it is lined up with the vertical notch on the tool tab (fig.28).
- Use the control lever (Fig.13 n.5) to start with the automatic demounting phase, moving the tool properly to the end of stroke in order to move the bead outside the rim (Fig.29).
- Activate the pedal command for rotating the turntable in order to permit the bead to exit the rim (Fig.30).
- When demounting is complete, move the tool to the right, away from the rim and activate the demounting lever for the opposite direction, the rim will return to the original position and the tool will return horizontal.
- If there is an inner tube, place the wheel on the floor and move back the rim to create the space necessary to remove it (Fig. 31).

REAR BEAD DEMOUNTING:

- Use the S.T.S. command to move the tool unit from the other side of the wheel.
- At this point, turn the turntable.
- Move the bead breaker disc near the bead and start to push it outward. Be careful that the bead does not tip on the rim edge while it is being pushed out. If necessary, as soon as the disc has passed the rim edge, lower the turntable a few cm. This will decrease the bead tension and make it easier to demount the wheel. (fig. 32).

NOTE

For some types of rims, such as with a double well or skidder, a demounting tool and a manual lever must be used.

Activating the search command (command 4 fig. 13) insert the tool between the rear bead and the rim as shown in (fig. 32a) until hooking the bead. Return the tool to a horizontal position. At this point, turn the turntable and use the shaped profile of the tool to push the bead forward until the tyre is completely demounted. If the tyre has difficulty in bypassing the rim edge, use the provided manual lever.
To hook the bead in the case of narrow rims with a reduced well, it may be helpful to turn the turntable in an anticlockwise direction.

MOUNTING AGRICULTURE WHEELS

Tighten the pliers on the front edge of the rim and position the tool in the work position (fig.33). Turn the tool unit using the specific control if necessary.
Move the rear bead of the tyre beyond the pliers and the tool. Turn the wheel clockwise (fig.34). If necessary, move the tool near the rim to make complete mounting easier.
To make it easier to insert the inner tube (fig. 35) place the tyre on the floor.
For the front bead, position the tool near the valve with the reference mark flush with the rim and tighten the pliers above the tool (fig.36), then turn the wheel clockwise.
N.B. For tyre mounting and demounting operations, it is a good idea to lubricate the beads and the rim in the wheel area with grease.
NOTE
With rims with a dual well, the use of the accessory DV120 (fig.37) is recommended.
With skidder rims the use of DV120 is recommended together with the skidder terminal, both of which are optional accessories.

DEMOUNTING TUBELESS AND SUPERSINGLE TYRES

Break the front part of the tyre, keeping the bead pushed in the well, lubricate the shoulder of the rim and the bead with grease (fig.38).
Repeat the bead breaking operation in the rear (Fig. 39).
To demount the two beads, follow the procedures explained for agriculture wheels.
NOTE
If the rim has a 15° sloping shoulder, the bead breaking operation can be continued for the rear bead (fig. 40) until the tyre has come completely out of the rim (only tyres up to a width of 13"). The manufacturer has not approved this operation, however, so the procedure should be aligned with the directives of the manufacturer, demounting the beads one at a time. The instructions are identical to demounting agriculture wheels.
Particularly hard, Supersingle wheels can be demounted by carefully lubricating and proceeding as for agriculture wheels.

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MOUNTING TUBELESS AND SUPERSINGLE TYRES

When mounting tubeless tyres, place the rear bead on the rim edge, use the tool arm, moving the tool tangent to it and move it closer to the rim. The rear bead will go beyond the rim edge. When mounting the front bead, tighten the pliers on the front edge of the rim above the tool (fig.41), position the tool with the reference flush with the rim edge and turn the turntable clockwise.
Pay attention to the correct position of the front bead in the rim well.
In this way, the tyre will be completely mounted.
N.B. To mount the tyre correctly and without any damage, lubricate the beads and the shoulder of the rim abundantly.

DEMOUNTING WHEELS FOR EARTHMOVING MACHINES WITH A SIDE RING

Using the disc tangency command, position the rim tangentially to the bead breaker disc. Keeping the tyre rotating, press on the front bead until freeing the side ring and the lock ring (fig.42). If necessary, position the disc on the side ring and push it towards the tyre (fig.43). This operation can be made easier thanks to the hydraulic movement of the bead breaker disc, which always guarantees perfect bead breaking inclination (fig.44). The ring will be freed from the side ring and will be extracted using the specific lever (fig.45)
Repeat the bead breaking operation on the rear side as shown in (fig.46) and continue until the tyre comes out, with or without the side ring. It is recommended to place the tyre on the ground. This makes it possible to remove the side ring without the wheel falling.
N.B. For wheels that are particularly hard and locked on the side ring, demount the tyre with the side ring still attached. To remove it, fix it to the turntable like a normal rim and break it from the rear.
For a good bead breaking result, both in the front as well as in the rear, it is important to use a hydraulic bead breaker disc, which makes it possible to identify the proper inclination for inserting the disc between the rim edge and the bead until just touching the shoulder of the rim.

MOUNTING WHEELS FOR EARTHMOVING MACHINES WITH A SIDE RING

Position the tyre in the loading area. Move the turntable with the locked rim, centring it correctly. If necessary, turn the turntable, which may help the complete insertion of the rim.
Mount the second bead using the bead breaker tool.
Insert the side ring and lock it with the specific lock ring (Fig. 47).
If the tyre is tubeless, insert the sealing ring between the rim and the side ring.
If the wheel has an inner tube, insert it in the tyre prior to mounting, stretching it out uniformly inside the tyre, slightly inflated.

TYRE GROOVING

After positioning the wheel with the rim on the turntable, set the rotation speed to minimum using the specific switch (control 6 fig.13).
N.B. The grooving operation is done from the wheel entry side (clockwise rotation).
N.B. The grooving speed turns only clockwise.

STOP COMMAND AND EMERGENCY PROCEDURE

The machine is powered by turning the main switch (Fig. 18) located on the electric system box to zero.
Pressing the stop button makes all controls stop TEMPORARILY (20 seconds). “STOP” will appear on the display. After 20 seconds, the machine will return to the Stand-By position; if commands are pressed, "Stop" will remain displayed flashing until they are released.
All the commands located on the control lever are interrupted by releasing the command itself (dead-man switch).
Exceptions are the commands relative to the Side To Side and bead breaker disc/tool tangency functions. When performing the Side To Side command, the procedure can be interrupted by pressing any command on the control lever.

UK

WARNING

If the by-pass coil (YV1) or the electronic card have problems, the wheel can still be released from the turntable. Set the switch X (fig.48), which is normally set to 0, to pos. 1 (Stand-By off function). At this point, the control unit motor will always be running. Use a screwdriver on the by-pass coil (fig.49) and then on the respective solenoid valves (fig.50) to make the machine operate at emergency speed. In this way, the locked wheel can be released. Then contact technical assistance.

OPERATING MODES

Table 1 summarises the machine's operating modes.

Mode	Led ALARM (red)	Led RX ON (white)	Led CABLE (green)	DISPLAY	Access level	Notes
NORMAL MODE	off	Flashes upon arrival of the commands	On steady if the cable is connected; otherwise off	Variable messages	FINAL USER	Standard work mode
MANUAL MODE	Flashes quickly when automatisms are requested; otherwise off.	Flashes upon arrival of the commands	On steady if the cable is connected; otherwise off	Variable messages	FINAL USER	If there is no display or if it is faulty the automatisms cannot be used but only the manual commands.
	Flashing quickly (until the machine is shut off) when an automatism is requested	Flashes upon arrival of the commands	On steady if the cable is connected; otherwise off	Variable messages	FINAL USER	If there is no calibration data, the automatisms cannot be used but only the manual commands.
	Flashes very slowly (the on/off cycle lasts 2 s)	Off	On steady if the cable is connected; otherwise off	Variable messages or off	FINAL USER	This signal will appear only upon start-up and indicates that the display is disconnected/defective and at the same time a dip switch is set to on. Return the dip switch to the off position to continue working even if only in manual mode.
STOP MODE	on	Off for at least 20 seconds then flashes if commands continue to arrive	Remains in the status it had prior to entering in Stop Mode	"STOP" displayed for at least 20 seconds	FINAL USER	The stop button was pressed (NOT emergency). Minimum duration of 20 seconds but will continue until all commands are released.

SERVICE MODE	Flashes slowly	Flashes upon arrival of the commands	On steady if the cable is connected; otherwise off	Variable messages	Technical service personnel	This operating mode includes the global correction Setting and Calibration programmes.
FACTORY MODE	Variable status based on the commands given	Flashes upon arrival of the commands	On steady if the cable is connected; otherwise off	Variable messages	Factory personnel	

Table 1 – Operating modes

DISPLAY SIGNAL AND ERROR TABLE

During normal mode, some errors could occur that are described in table 2. The error code is shown on the display. Some errors prevent some machine automatisms from being used (i.e. errors E00 and E01) or cause them to stop early (i.e. error E11).
Pressing the Clear key on the control panel cancels the error code on the display but if the cause of the error is not removed and the command that generated it is repeated, the message will reappear

ERROR #	MEANING	ACTION
E00	No calibration data	Calibrate the machine. If the error remains replace the board CPU-RX2. This signal appears also when a new board is installed.
E01	No signal on analogue channel #1 (radial movement measurement potentiometer).	Check the connection of the potentiometer and its condition. If the error persists contact technical assistance.
E02	No signal on analogue channel #2 (channel currently not used)	
E03	No signal on analogue channel #3 (channel currently not used)	
E04	No signal on analogue channel #4 (analogue laser for the Side To Side)	Check the connection of the laser and its condition. Check that the glass on the front of the laser is not dirty. If the error persists contact technical assistance.

UK

E05 E10	Not used	
E11	No signal on digital channel #1 (chain ring counting proximity switch)	Check the connection of the proximity switch and its condition.

Table 2 – Errors and actions to be performed

Normally the numbers or messages shown on the display are fixed, but they may flash in some cases.
As a general rule, which is valid for all operating modes, the following applies:
when the numbers and/or messages flash, this means that the displayed value must be confirmed by the operator or that an operator action is required.

ACOUSTIC SIGNALS
In all operating modes, the display emits the acoustic signals specified in table 3:

Acoustic signal	Meaning	Action
1 short bip	Button pressed confirmation for - memory setting/deleting - inch/mm selection	None.
2 short bips	Not used	None.
1 short bip + 1 long bip	Confirmation. The action was completed successfully.	None.
3 short bips	Failed. The action was not completed successfully or the requested action is not permitted.	Repeat the action after changing the machine parameter being used or perform a permitted action.
Slow continuous flashing	Special operating mode active.	Used in SETUP MODE (for example for calibration) to call attention to the fact that a special, potentially dangerous operating mode is active.

Table 3 – Acoustic signals

LUMINOUS-ACOUSTIC INDICATOR
The luminous-acoustic indicator, which is located on top of a rod next to the electrical board, is activated by the machine each time potentially dangerous manual or automatic commands are executed. The indicator has a flashing orange light.

The following commands activate the acoustic-luminous indicator:
Turntable opening/closing;
Turntable lifting/lowering;
Tool arm + bead breaker disc lifting/lowering;
Bead breaker disc tangency;
Tool tangency;
Side To Side;

TROUBLE SHOOTING

The machine does not start

No current
- Check the rotation direction of the hydraulic power unit motor
- No current, provide power

The overload cut motor protector(s) is(are) not active
- Activate the overload cut motor protector(s)

Transformer fuse burnt out
- Replace the fuse

Oil leak

- Union loose, tighten the union

Pipe cracked
- Replace the pipe

A control remains activated

Switch broken
- Clean or replace the switch

Solenoid valve blocked
- Clean or replace the solenoid valve

UK

Turntable cylinder pressure drop

The distributor leaks
- Replace the distributor

Gaskets worn
- Replace the gaskets

Motor stops during use

Overload cut motor protector activated
- Open the electrical board, set the main switch to 0 and then use the specific key to reactivate the overload cut motor protector, operating the switch (fig.51); when complete, reclose the electrical board.

The machine does not move

No power supply to the solenoid valve
- Check the solenoid valve's electrical connection

The control lever does not operate the machine
- Contact Technical Assistance

Batteries run down (yellow LED on)
- Charge the batteries
- Contact Technical Assistance

No hydraulic pressure

Pump broken
- Replace the pump

Excessive control unit noise

Worn connection joint
- Replace the joint

Jerky movements

Not enough oil
- Top up the oil

Switch on control lever defective
- Replace the switch

Presence of radio interference

Identify and remove the source of the radio disturbance
Contact technical assistance to change the transmission channel
Simultaneous movement of 2 cylinders; a solenoid valve is probably locked
- Clean or replace the solenoid valve

Excessive trolley clearance.

- Contact technical service to adjust the sliding blocks

Side To Side does not stop or does not work

- Check that the diameter shown on the display corresponds to the rim diameter
- Clean the protective glass on the laser
- If there is an error message on the display contact technical assistance
- Contact Technical Assistance

The demounting movement does not work

- Make sure the tool is in the horizontal position
- Check that the microswitch wire is connected
- If there is an error message on the display contact technical assistance
- Contact Technical Assistance

The disc and tool tangency functions appear to have lost their calibration

- Delete the set memory
- Check that the diameter shown on the display corresponds to the rim diameter
- Contact Technical Assistance

When turning on the cold machine, quick translation does not work well.

- heat up the oil for a few minutes by moving the machine at a normal speed.

WARNING

The “Spare parts” handbook does not authorise users to carry out work on the machine with the exception of those operations expressly described in the user manual. It only enables users to provide the technical assistance service with precise information in order to minimise delays.

MAINTENANCE

WARNING

UK

CORGHI declines all liability for claims derived from the use of non-original spare parts or accessories.

ATTENTION

Unplug the machine from the socket and make sure that all moving parts have been locked before making any adjustments or maintenance work.

ATTENTION

Do not remove or modify any part of this machine (except for assistance).

ATTENTION

Before removing unions or pipes, make sure that the fluids are not pressurised. If pressurised oil escapes, it can cause serious injury.

WARNING
Keep the working area clean.
Do not use pressurised water jets to wash the machine
You are strongly advised not to use compressed air to clean moving components.
During cleaning operations, try as far as possible to prevent dust from forming or rising.

To make your machine last longer and perform better, it is recommended to:
- clean the turntable and the guide pins once a week with environmentally friendly solvents;
- grease (fig.52) all of the machine's moving parts at least once a month;
- clean the filter cartridge approx. every 1500 hours of operation;
- check the oil level in the power unit (fig.53), from the wet rod to the plastic cap there must be 5cm / 2 inch. Top up with API HS 68 oil or another equivalent type if necessary. The check must be performed with the cylinders “closed” placing the cap on the tank, without tightening it.
  It is recommended to replace the oil in any case after 1500 hours of operation or once a year.

MANUFACTURER	TYPE OF OIL	
AGIP	OSO 32	ARNICA 68
ESSO	NUTO H32	INVAROL EP 68
FINA	HYDRAN 32	IDRAN HV 68
SHELL	TELLUS OIL 32	TELLUS T OIL 68
API	CIS 32	HS 68


CAUTION

Any top-ups or fluid changes using fluid of qualities different from those indicated may reduce the machine's lifetime and impair its performance.


WARNING

Any operation intended to modify the maximum pressure setting value of the relief valves or pressure limiter is forbidden.
The manufacturer declines all liability for damage resulting from tampering with these valves.

ENVIRONMENTAL INFORMATION

The disposal procedure described below only applies to machines with the symbol of the waste bin with a bar across it on their data plates.

This product may contain substances that can be hazardous to the environment and to human health if it is not disposed of properly.
We are therefore providing you with the information below in order to prevent these substances from being released into the environment, and to improve the use of natural resources.

Electrical and electronic equipment must never be disposed of in the usual municipal waste but must be separately collected for their proper treatment.
The crossed-out bin symbol, placed on the product and on this page, reminds the user that the product must be disposed of properly at the end of its life.
Thus, the hazardous consequences that non-specific treatments of the substances contained in these products, or improper use of parts of them, may have on the environment or on human health are prevented. Furthermore, this helps to recover, recycle and reuse many of the materials contained in these products.

Electrical and electronic manufacturers and distributors set up proper collection and treatment systems for these products for this purpose.
At the end of the product's working life, contact your supplier for information about disposal procedures.

When you purchase this product, your supplier will also inform you that you may return another worn-out appliance to him free of charge, provided it is of the same type and has provided the same functions as the product just purchased.

Any disposal of the product performed in a different way from that described above will be liable to the penalties provided for by the national regulations in force in the country where the product is disposed of.

Further measures for environmental protection are recommended: recycling of the internal and external packaging of the product and proper disposal of used batteries (only if contained in the product).

With your help, we can reduce the amount of natural resources used to produce electrical and electronic equipment, minimise the use of landfills to dispose of old products, and improve quality of life by preventing the discharge of potentially hazardous substances

into the environment.

INFORMATION REGARDING BATTERY DISPOSAL

Each plastic cap mounted under the control lever console contains the following rechargeable batteries:

BATTERY 7.2V 3800MAH - rechargeable battery, 6 cells 7.2Volt, Ni-Mh

These batteries are easy to replace. Simply remove the plastic cap under the control lever console, by unscrewing the 4 screws, and disconnect the cable coming out of the battery pack, unscrew the 3 screws on the bracket that secures the batteries to the plastic cap (fig.53a), and proceed with the disposal according to current regulations.
Be careful not to perforate the membrane that protects the battery pack.

INFORMATION ABOUT DEMOLITION

If the machine is to be scrapped, remove all electrical, electronic, plastic and metal parts and dispose of them separately in accordance with current provisions as prescribed by law.

INFORMATION AND WARNINGS ABOUT HYDRAULIC FLUID

Disposing of spent fluid

Do not dispose of used oil in sewers, storm drains, rivers or streams; collect it and consign it to an authorised disposal company.

Fluid leaks or spills

Contain the spilt product from spreading using soil, sand or any other absorbent material. The contaminated zone must be degreased with solvent, taking care not to allow vapours to form or stagnate, and the residual material from the cleaning process must be disposed of as envisaged by law.

Precautions for the use of hydraulic fluid

- Avoid contact with the skin.
- Avoid the formation or spreading of oil mists in the atmosphere.
- The following fundamental health precautions must therefore be adopted:
  - protect against oil splashes (appropriate clothing, protective guards on machines);
  - wash yourself frequently with soap and water; do not use cleaners or solvents that can irritate your skin or remove its natural protective oil;
  - do not dry hands with dirty or greasy rags;
  - change clothing if impregnated with oil, and in any case at the end of each work shift;
  - never smoke or eat with oily hands.
- Also adopt the following preventive and protective equipment:
  - gloves resistant to mineral oils, with lining;
  - goggles, in case of splashes;
  - aprons resistant to mineral oils;
  - screens to protect against oil splashes.

Mineral oil: first aid procedures

Mineral oil: first aid procedures
- Swallowing: go to Casualty with the characteristics of the type of oil swallowed
- Inhalation: in case of exposure to strong concentration of vapours or mists, take the affected person out into the open air and then to Casualty.
- Eyes: rinse with plenty of water and go to Casualty as soon as possible.
- Skin: wash with soap and water.

RECOMMENDED FIRE EXTINGUISHING EQUIPMENT

For the choice of the most suitable extinguisher, see the following table.

	Dry combustibles	Inflammable liquids	Electrical equipment
Water	YES	NO	NO
Foam	YES	YES	NO
Powder	YES	YES	YES
CO2	YES	YES	YES

WARNING

This table contains general instructions to be used as guidelines for the users. All the applications of each type of extinguisher must be obtained from the relevant manufacturer.

GLOSSARY

UK

Lock ring
Semi-ring in steel that locks the side ring.

Sealing ring
Rubber gasket that prevents the air in the wheel from escaping.

Turntable
Turntable with clamps that centres and supports the part.

Centre of gravity
Point of application of the weight force of a body. Centre of gravity.

Tool arm
Part that supports the tool unit.

Side ring
External support for the bead of the tyre mounted on the rim.

Wheel rim
Monolithic rim without mobile parts on which the tyre is mounted.

Rim with side ring
Rim with an open side for axial tyre mounting.

Bead breaker disc
Tool used for tyre bead breaking.

Clamps
Hooked mechanical part for holding or moving.

Pump unit
Assembly consisting of an electric motor and a hydraulic pump.

Tool unit
Group of equipment for tyre bead breaking and demounting.

Control lever
Remote control unit used to make the machine perform all the movements necessary for the various operations.

Grooving
Operation for restoring the groves in the tyre tread.

Inner/outer bead breaking
Separation of the tyre bead from the rim edge.

Side To Side
Automatism that makes it possible for the tool arm to automatically pass from one side of the wheel to the other.

Supersingle
Extra wide tyres that replace twin tyres.

Bead
Each enlarged edge of the tyre that is in contact with the wheel rim.

Tubeless
Tyre that does not have an inner tube.

Tool
A specifically shaped part that is used for mounting and demounting.

WIRING DIAGRAM FIG. 54-55

codes 4-108776 and 4-108777

A1 .....Power and control card CPU-RX2
A2 .....Display card
A3 .....Radio modem (RX unit)
A4 .....Potentiometer
A5 .....Laser sensor for Side To Side
A6 .....Potentiometer signal preamplification card
FU1 .....Primary of the transformer fuses 1A gG 10.3x38 (for the 400 V mains)
F1 .....Fuses T 1 A 5x20 (on board CPU-RX2)
F2 .....Blade fuse 10A (on board CPU-RX2)
H1 .....Luminous-acoustic indicator
HL1 .....White mains presence light
HL2 .....Green command reception light (RX ON)
HL3 .....Red alarm light
HL4 .....Green control cable presence light
KM1 - KM3 .....Power unit motor second speed remote switches
KM2 .....Power unit motor first speed remote switches
M1.....Hydraulic power unit motor
M2 .....Turntable clamp motor
QS1.....Main switch
SQ3 .....Tool micro-switch in a horizontal position
SQ4 .....Tool shaft micro-switch turned to the left
SQ5 .....Proximity switch chain pitch
TC1 .....Transformer
YV1 .....Bypass solenoid valve
YV2 .....Turntable UP radial movement solenoid valve
YV3 .....Turntable DOWN radial movement solenoid valve'
YV4 .....LH arm translation solenoid valve
YV5 .....RH arm translation solenoid valve
YV6 .....Lift wheel solenoid valve
YV7 .....Lower wheel solenoid valve
YV8 .....Open turntable solenoid valve
YV9 .....Close turntable solenoid valve
YV10 .....Lift tool arm solenoid valve
YV11 .....Lower tool arm solenoid valve
YV12 .....Tool LH rotation solenoid valve
YV13 .....Tool RH rotation solenoid valve
YV14 .....Bead breaker disc UP solenoid valve
YV15 .....Bead breaker disc DOWN solenoid valve
YV16 .....Tool UP solenoid valve
YV16 .....Tool DOWN solenoid valve
XC1 .....Control lever cable connection connector
XS1 .....Electrical plug
XT1 .....Terminal
Z1 .....Network filter for turntable clamp motor

CONTROL LEVER WIRING DIAGRAM FIG.56

code 4-108774

A8 ..... Board CPU-TX
A9 ..... Radio modem (TX unit)
GB1 .... 7.2V 3,800 mAh NiMH battery
SA1 .... Turntable UP radial movement joystick contract
SA2 .... Turntable DOWN radial movement joystick contract
SA3 .... LH tool unit arm translation joystick contact
SA4 .... RH tool unit arm translation joystick contact
SA5 .... Lift/lower turntable switch
SA6 .... Open/close turntable switch
SA7 .... Leva La Leva switch/Leva La Leva back
SA8 .... Tool unit arm UP joystick contact
SA9 .... Tool unit arm DOWN joystick contact
SA10 .. Tool unit arm LH translation joystick contact
SA10 .. Tool unit arm RH translation joystick contact
SA12 .. Bead breaker disc UP joystick contact
SA13 .. Bead breaker disc DOWN joystick contact
SA14 .. Tool DOWN joystick contact
SA15 .. Tool UP joystick contact
SA16 .. Three-way turntable rotation motor speed selection switch
SB1 .... Stop button
SB2 .... Turntable+tool-holder arm second translation speed button
SB3 .... LH Side to Side button
SB4 .... RH Side to Side button
SB5 .... Increase diameter button (+)
SB6 .... Decrease diameter button (-)
SB7 .... Clear button (C)
SB8 .... Bead breaker disc tangency button
SB9 .... Tool tangency button
SB10 .. Clear button (F)
XC1 .... Battery charger connector
XC2 .... Serial cable connector

HYDRAULIC DIAGRAM FIG. 57

Code 4-108803

Notes

UK

Notes

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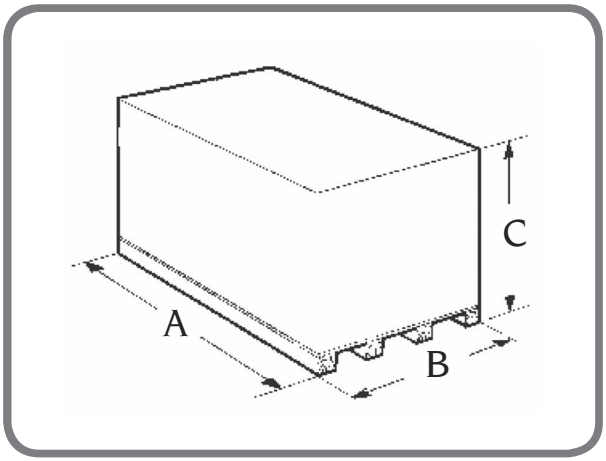

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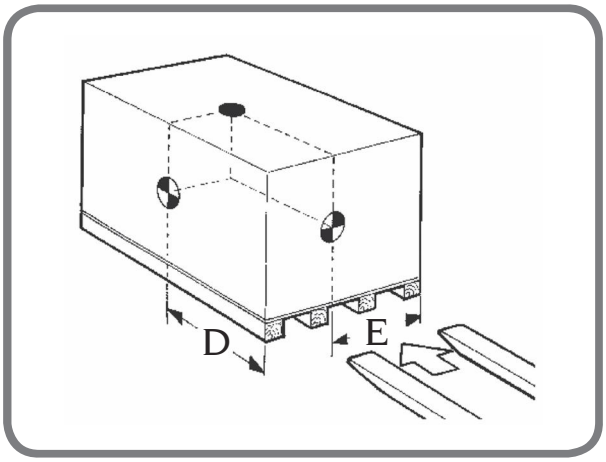

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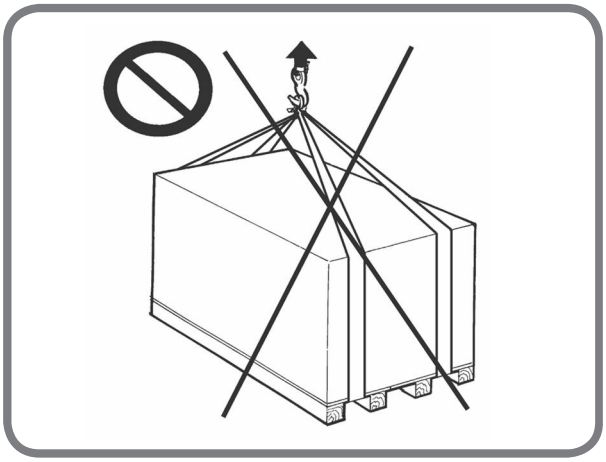

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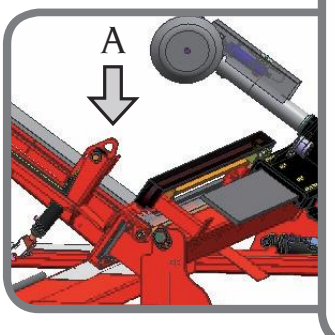

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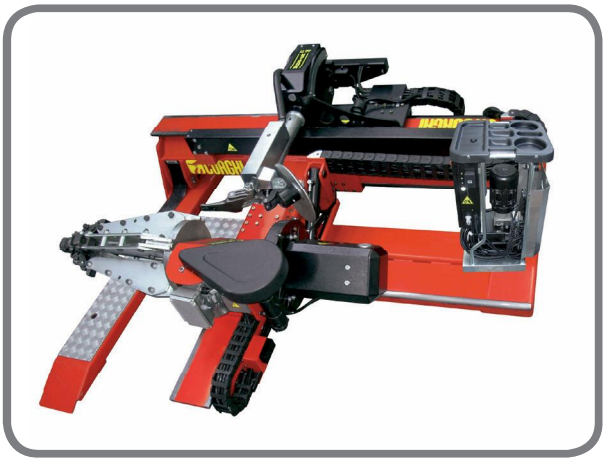

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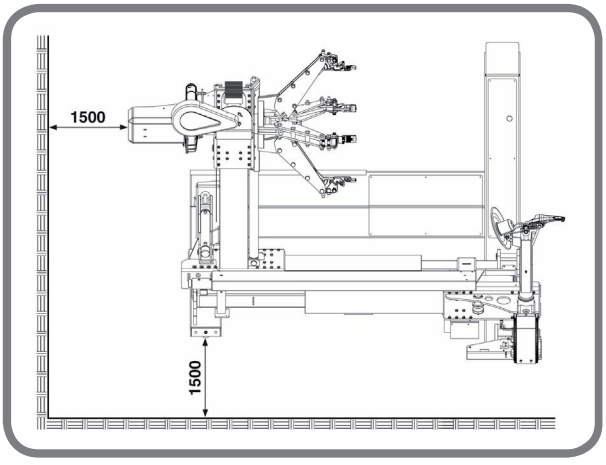

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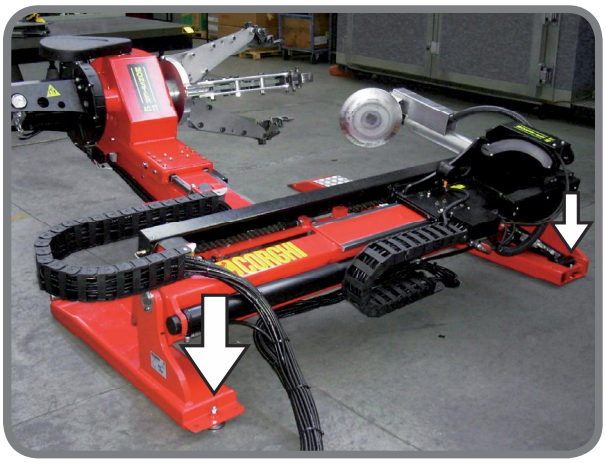

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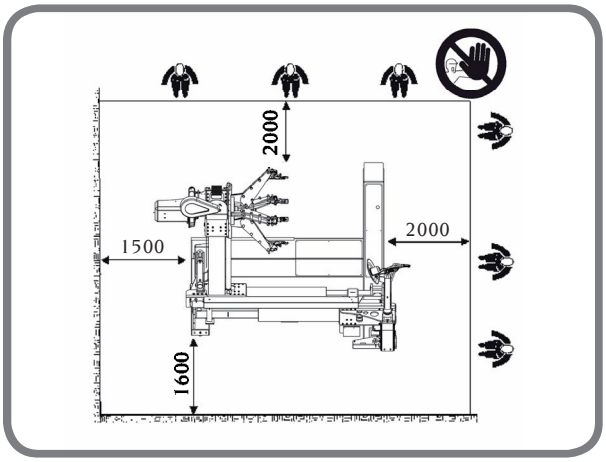

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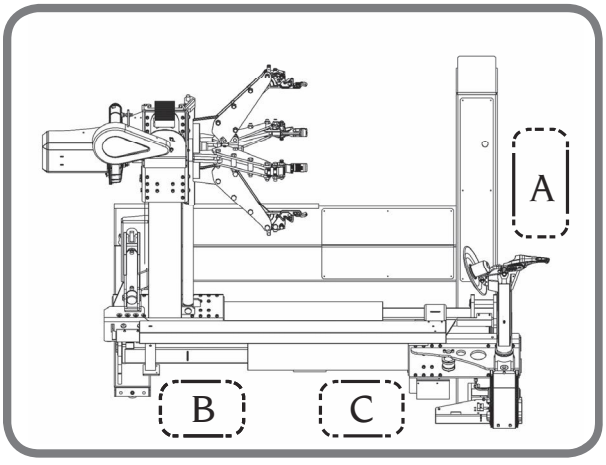

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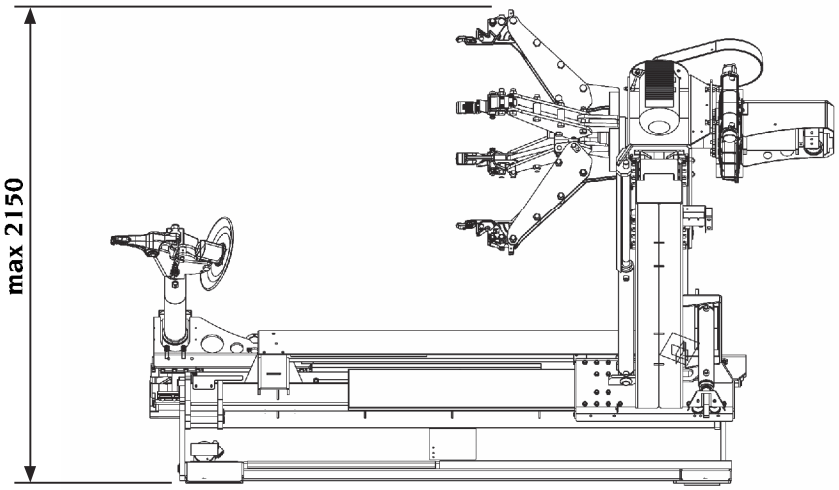

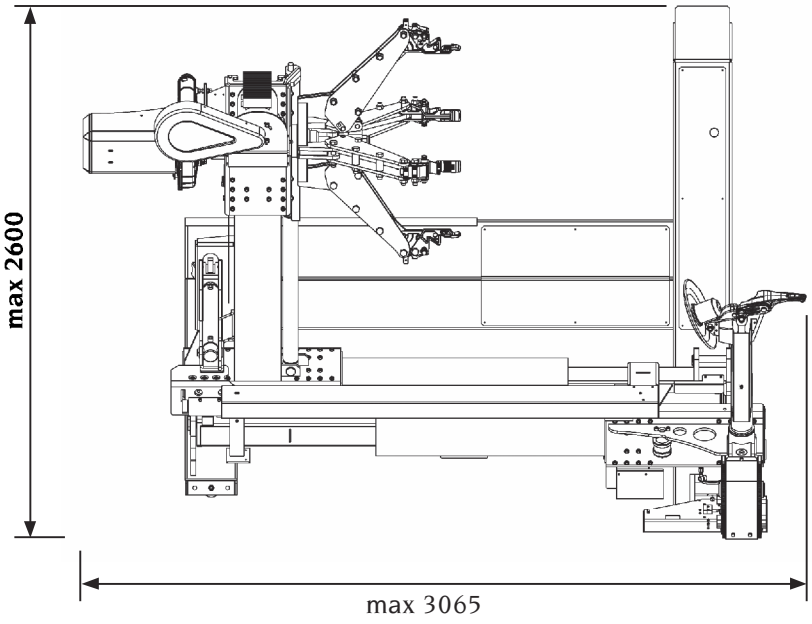

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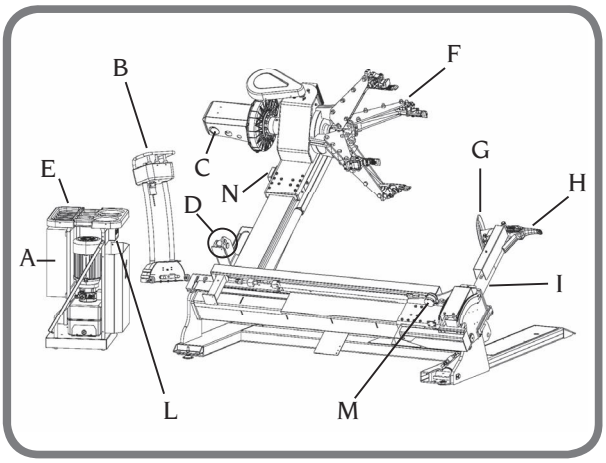

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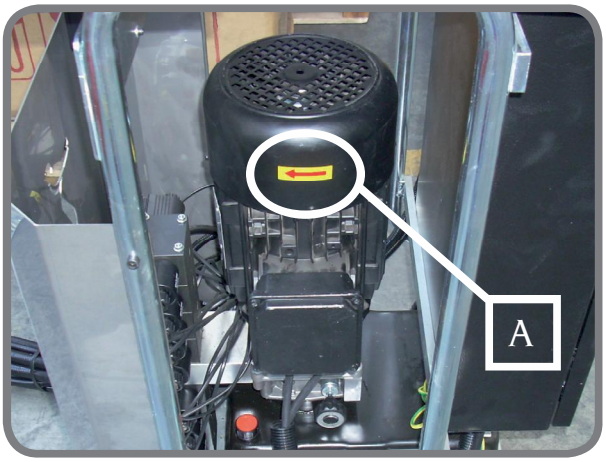

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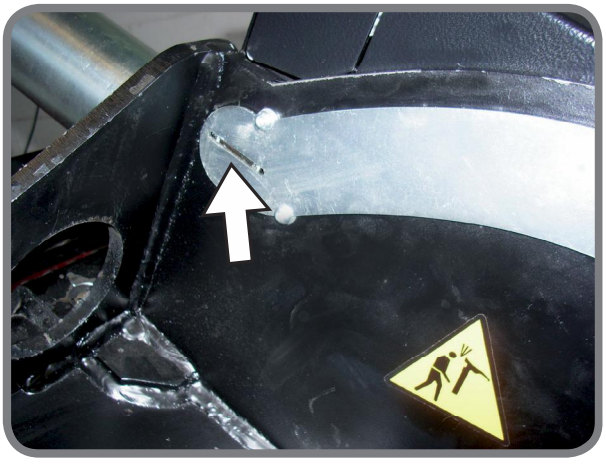

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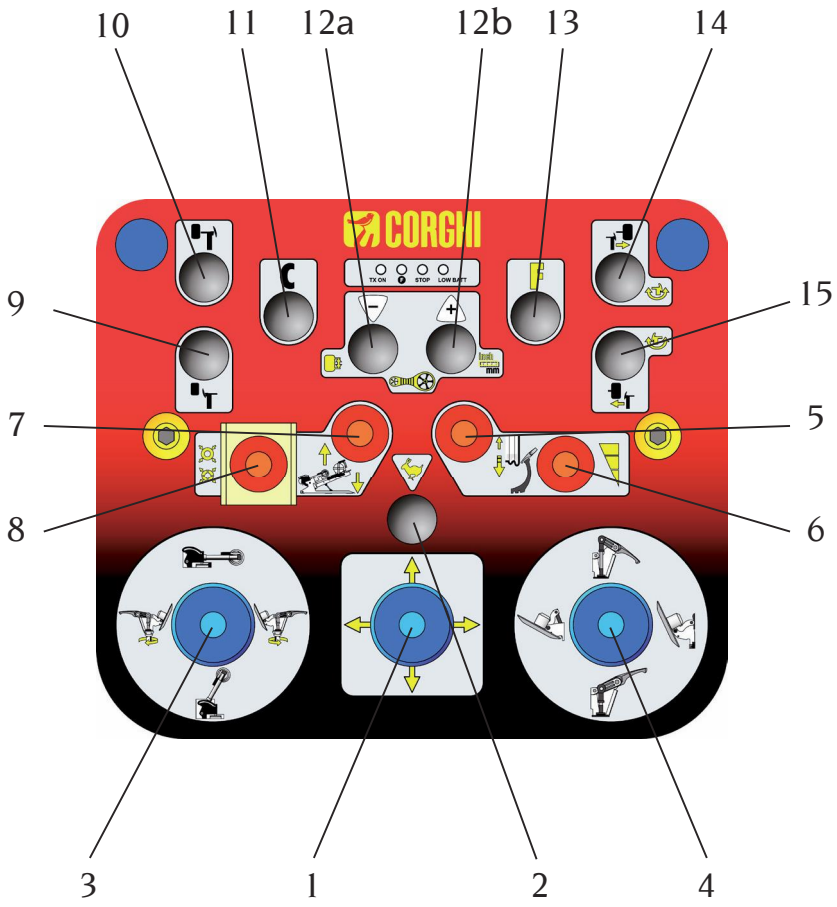

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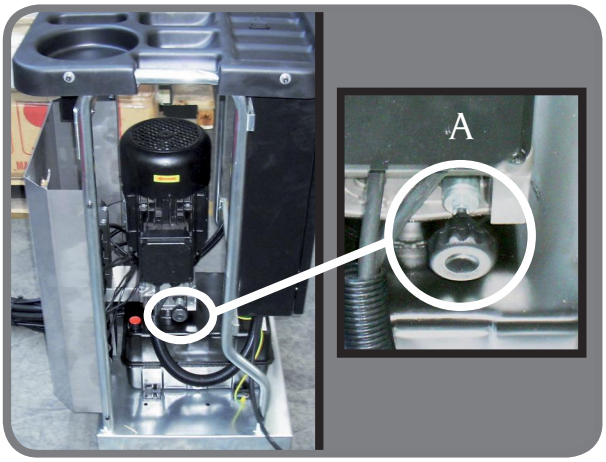

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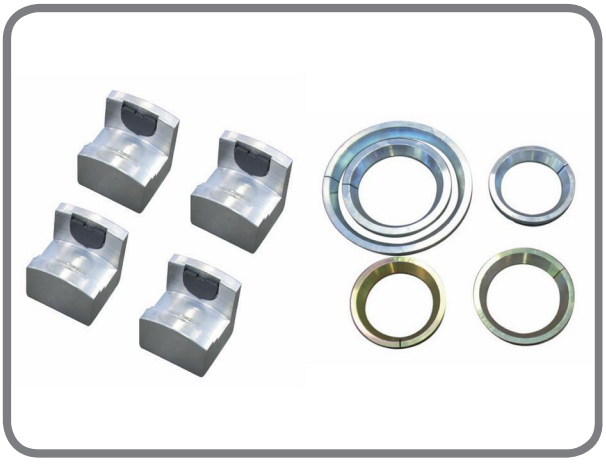

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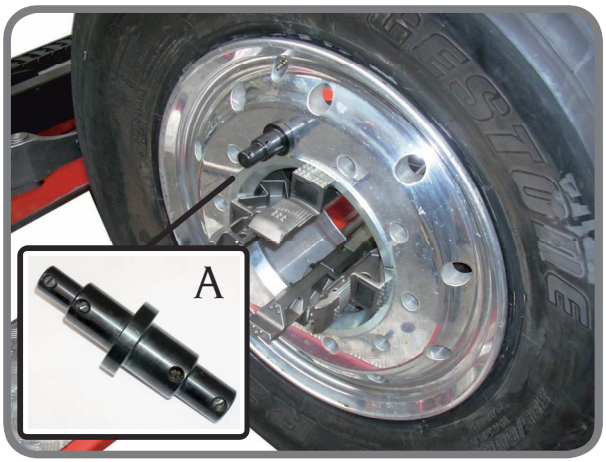

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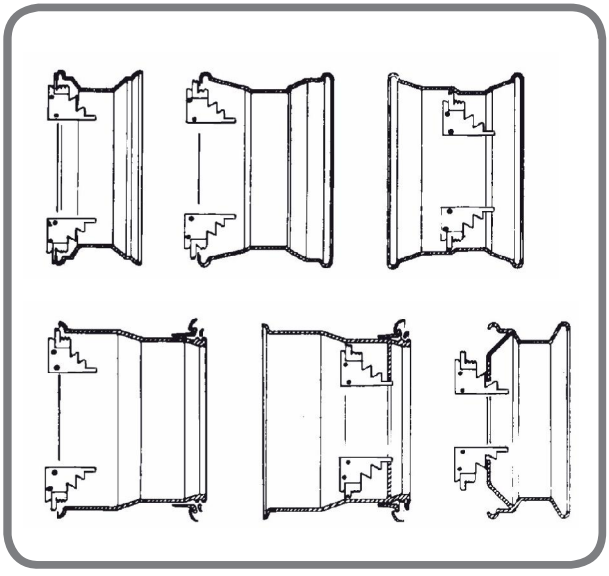

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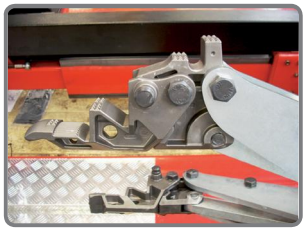

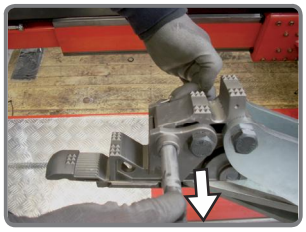

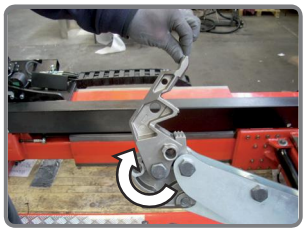

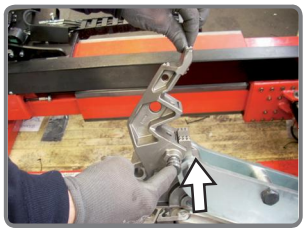

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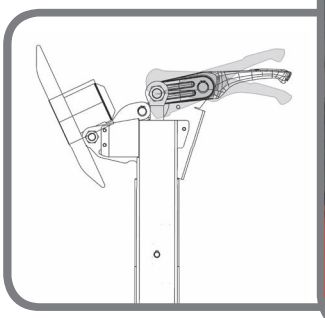

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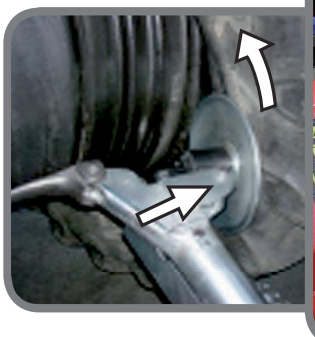

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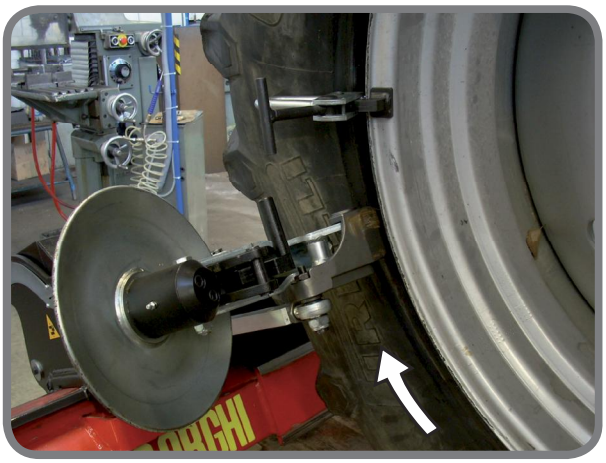

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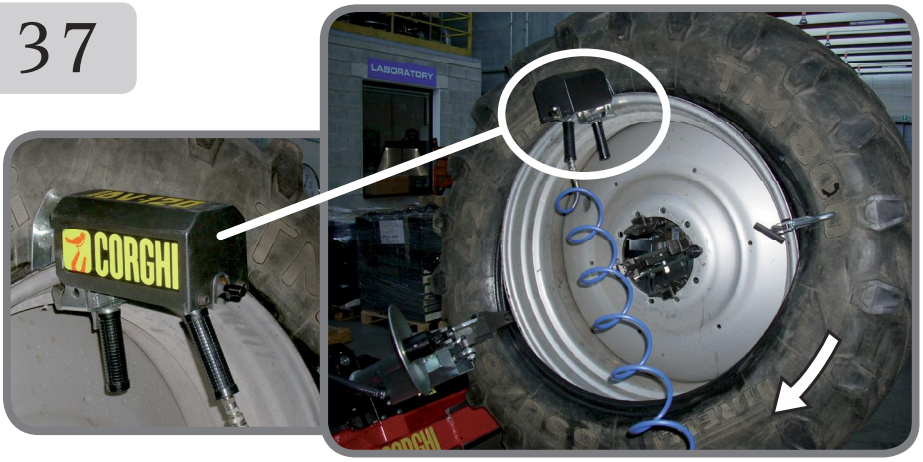

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38a

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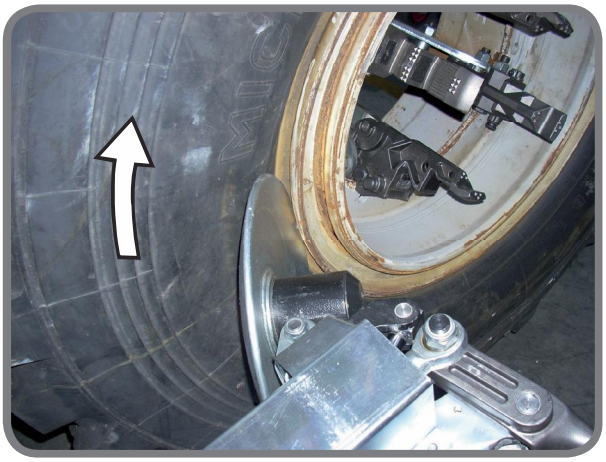
42



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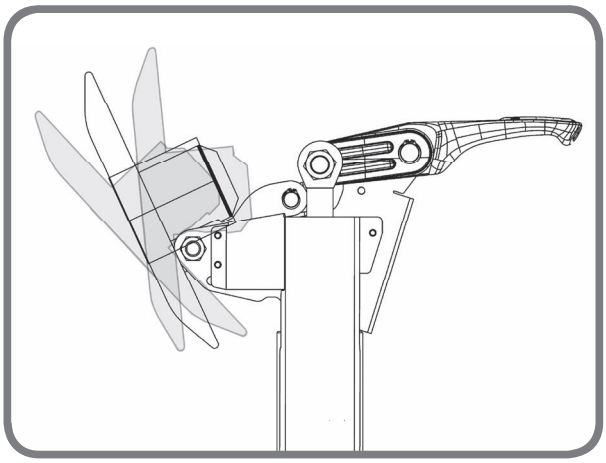

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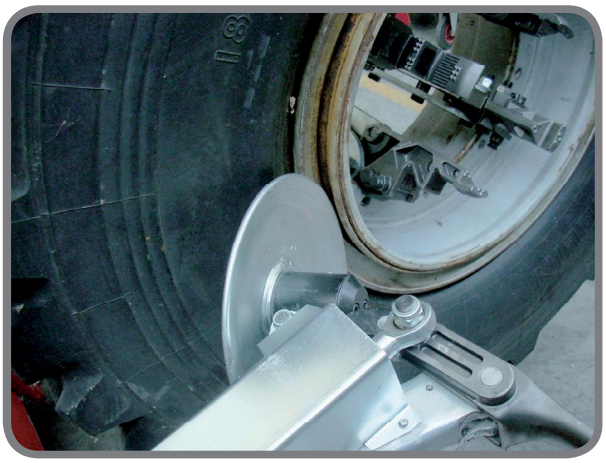

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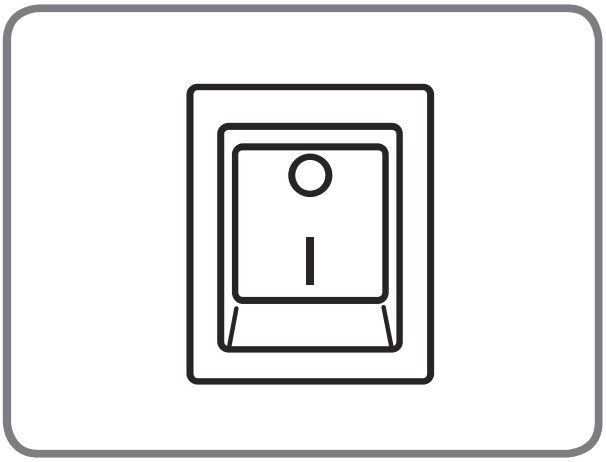

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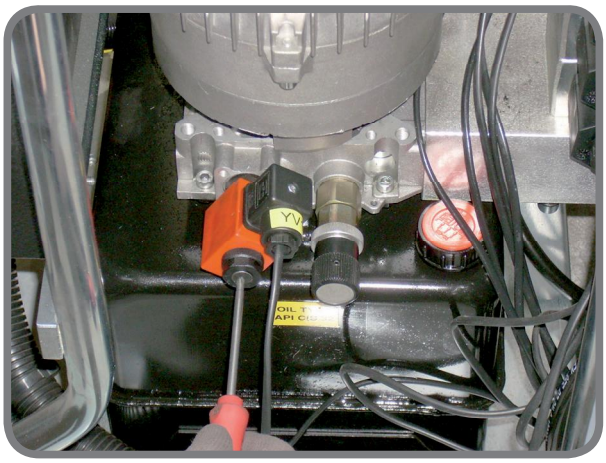

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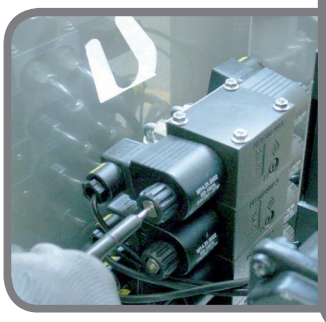

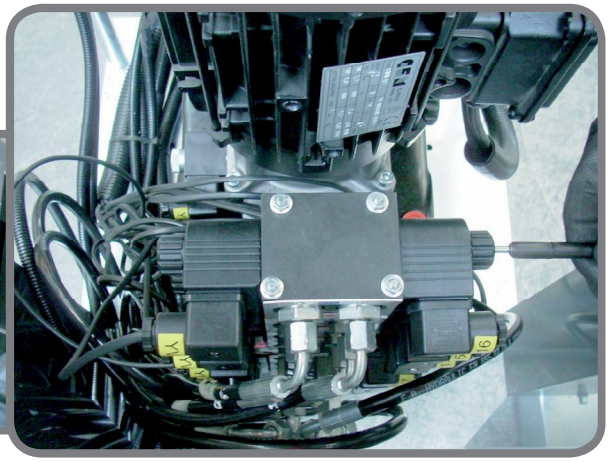

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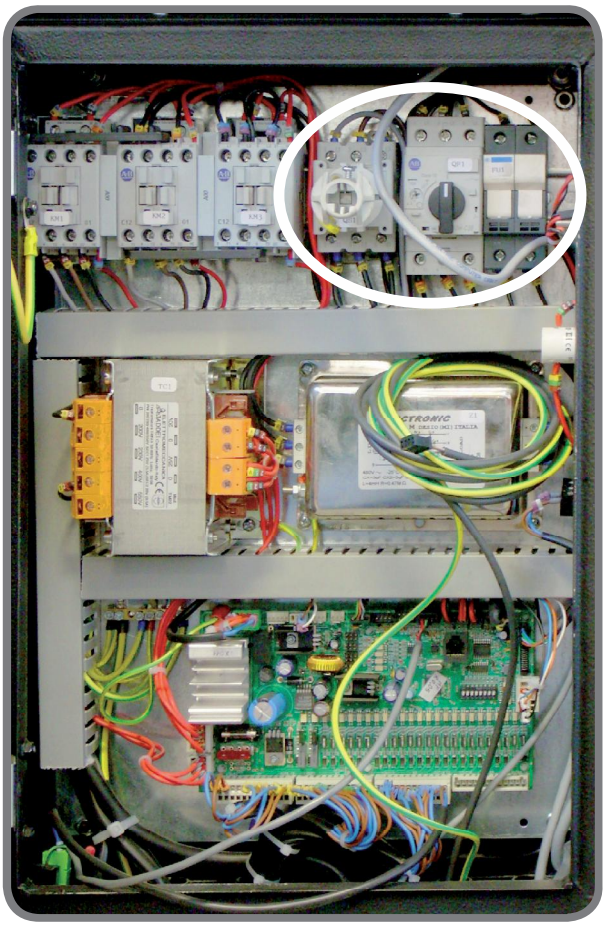

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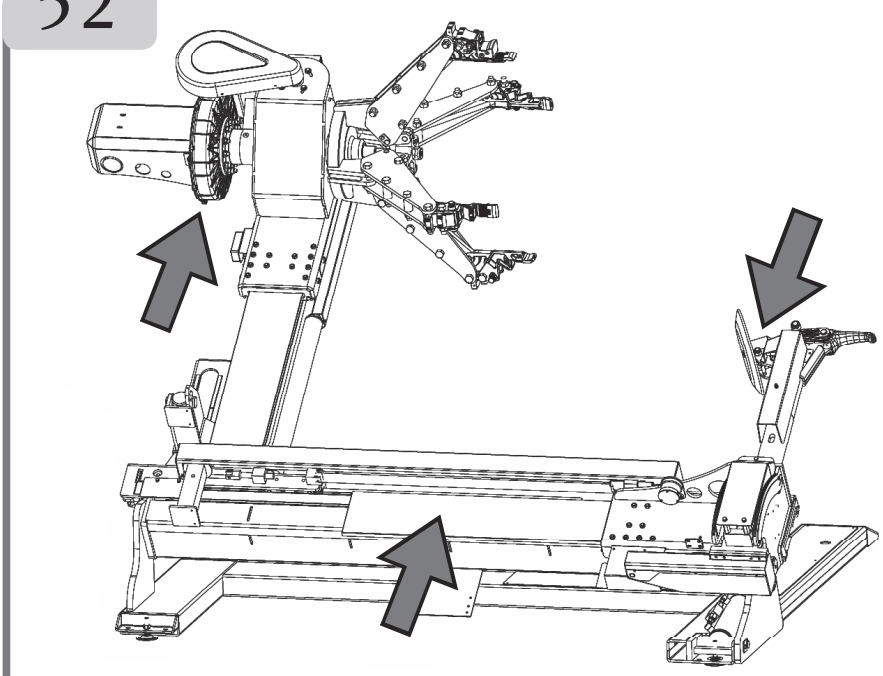

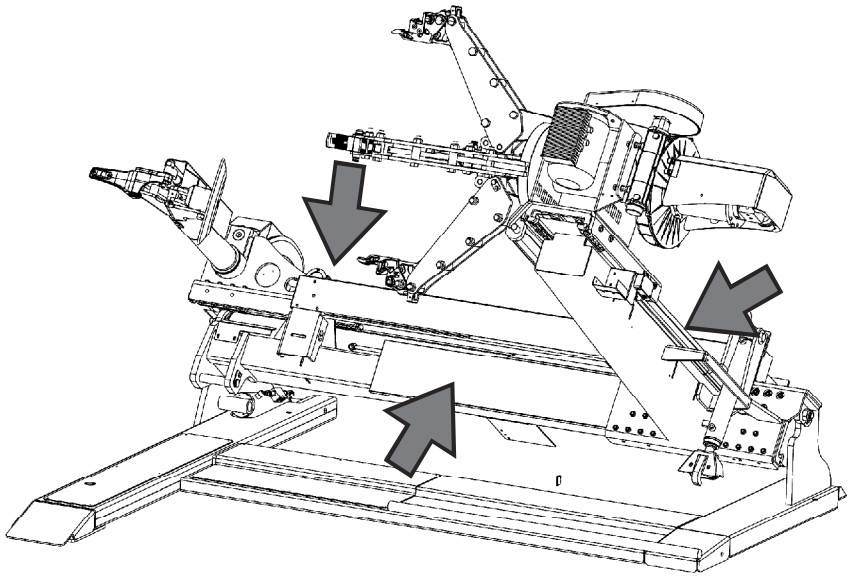

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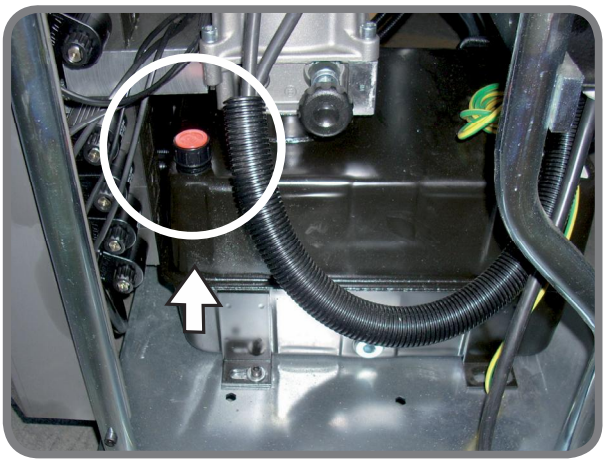

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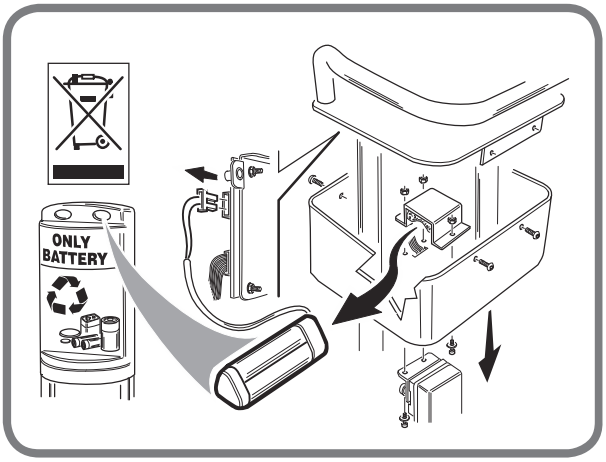

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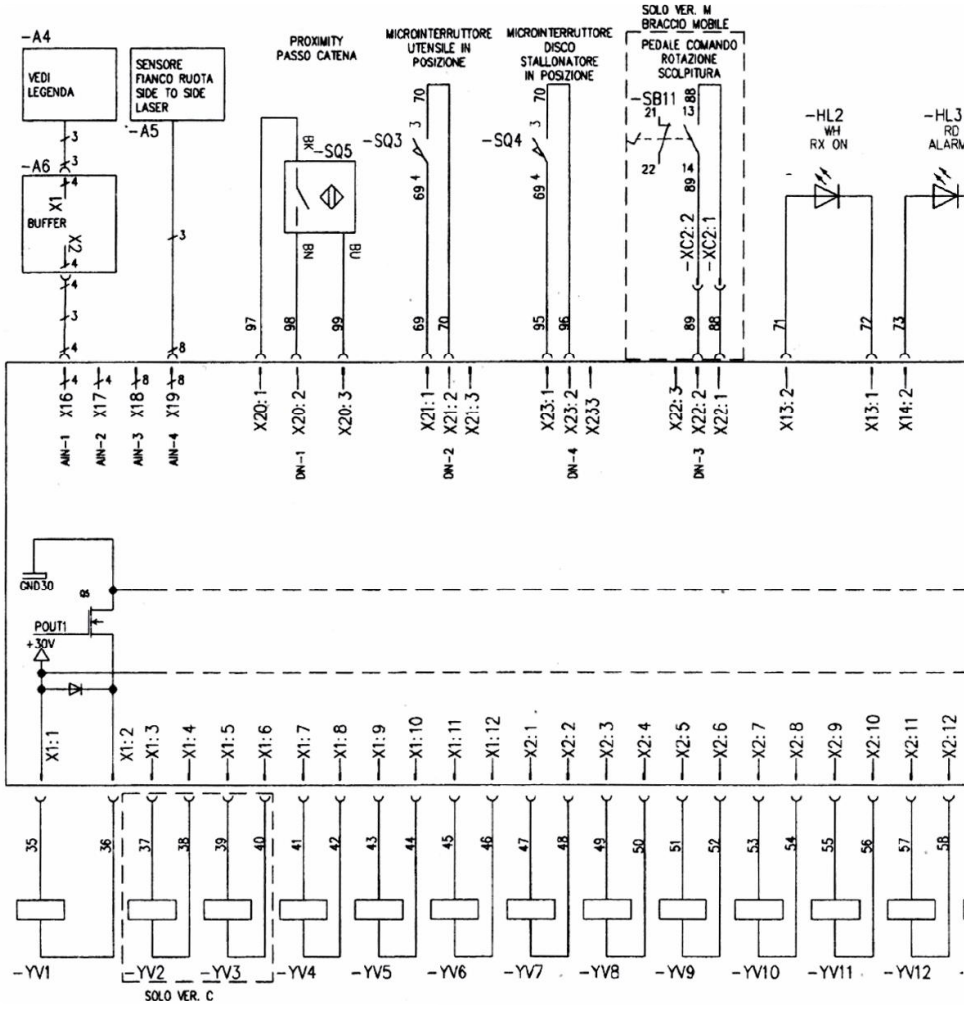
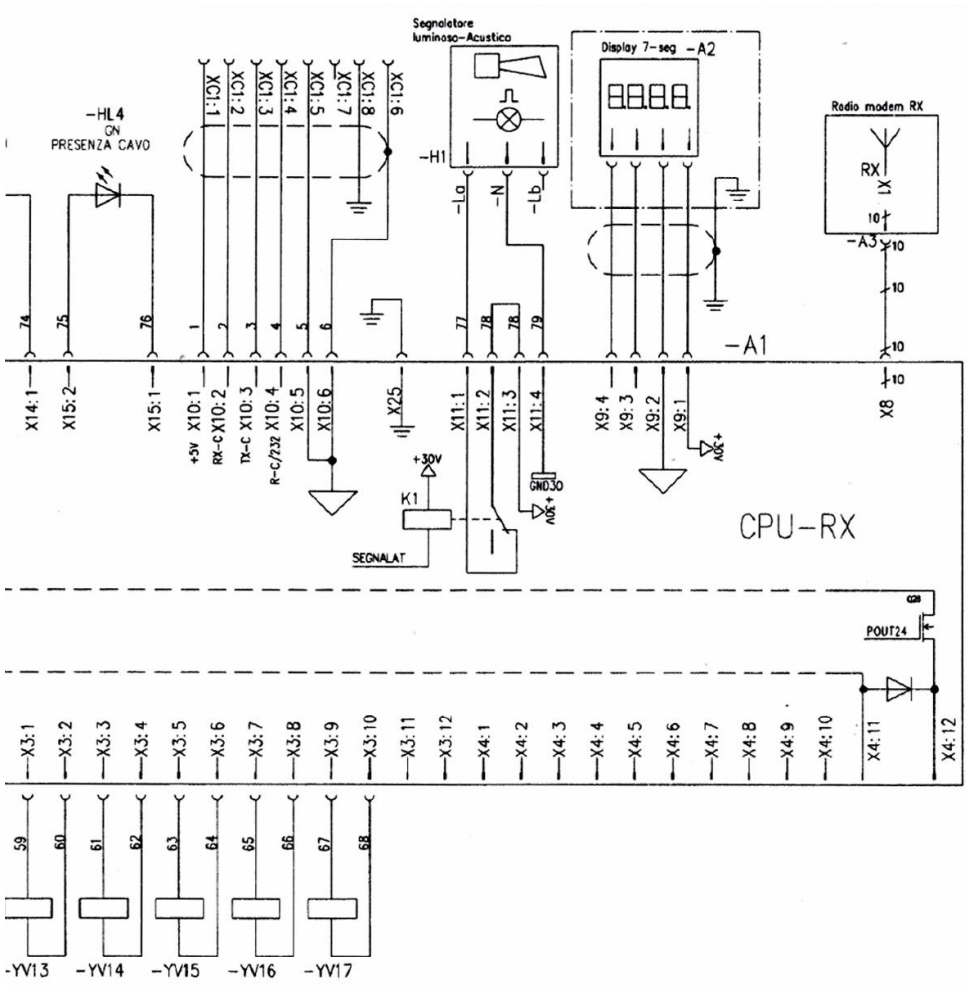

-A4
VEDI LEGENDA
-A5
SENSORE FIANCO RUOTA SIDE TO SIDE LASER
-A6
BUFFER
X1
X2
PROXIMITY PASSO CATENA
-SQ5
MICROINTERRUTTORE UTENSILE IN POSIZIONE
-SQ3
MICROINTERRUTTORE DISCO STALLONATORE IN POSIZIONE
-SQ4
SOLO VER. M
BRACCIO MOBILE
PEDALE COMANDO ROTAZIONE SCOLPITURA
-SB11
-HL2
WH
RX ON
-HL3
RD
ALARM
-XC2:2
-XC2:1
AIN-1 X16
AIN-2 X17
AIN-3 X18
AIN-4 X19
DIN-1 X20:1 X20:2 X20:3
DIN-2 X21:1 X21:2 X21:3
DIN-4 X23:1 X23:2 X23:3
DIN-3 X22:3 X22:2 X22:1
X13:2
X13:1
X14:2
GND30
POUT1
+30V
X1:1 X1:2 X1:3 X1:4 X1:5 X1:6 X1:7 X1:8 X1:9 X1:10 X1:11 X1:12
X2:1 X2:2 X2:3 X2:4 X2:5 X2:6 X2:7 X2:8 X2:9 X2:10 X2:11 X2:12
-YV1 -YV2 -YV3 -YV4 -YV5 -YV6 -YV7 -YV8 -YV9 -YV10 -YV11 -YV12
SOLO VER. C


Segnalatore luminoso-Acustico
Display 7-seg -A2
Radio modem RX
-HL4
ON
PRESENZA CAVO
-H1
-La
-N
-Lb
RX
-A3
-A1
CPU-RX
+30V
K1
SEGNALAT
GND30
POUT24
-YV13
-YV14
-YV15
-YV16
-YV17

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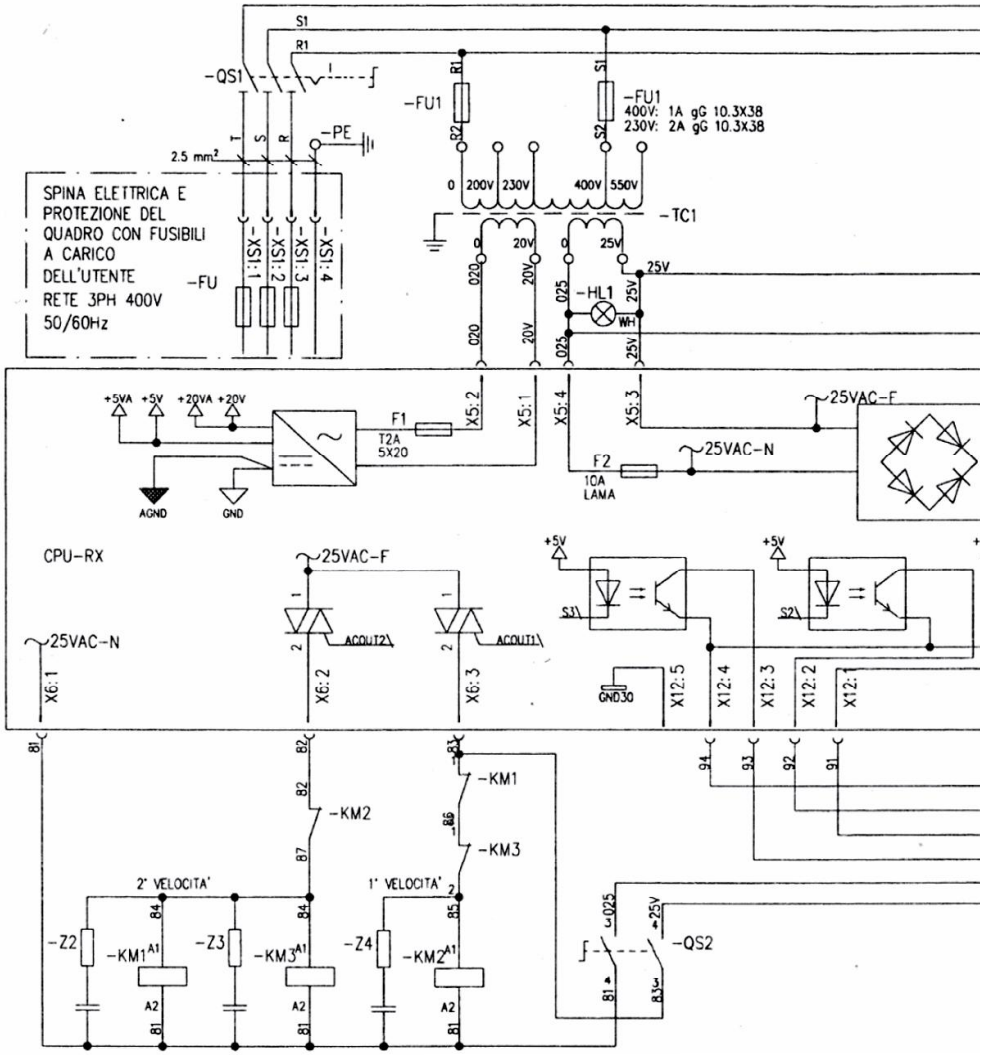
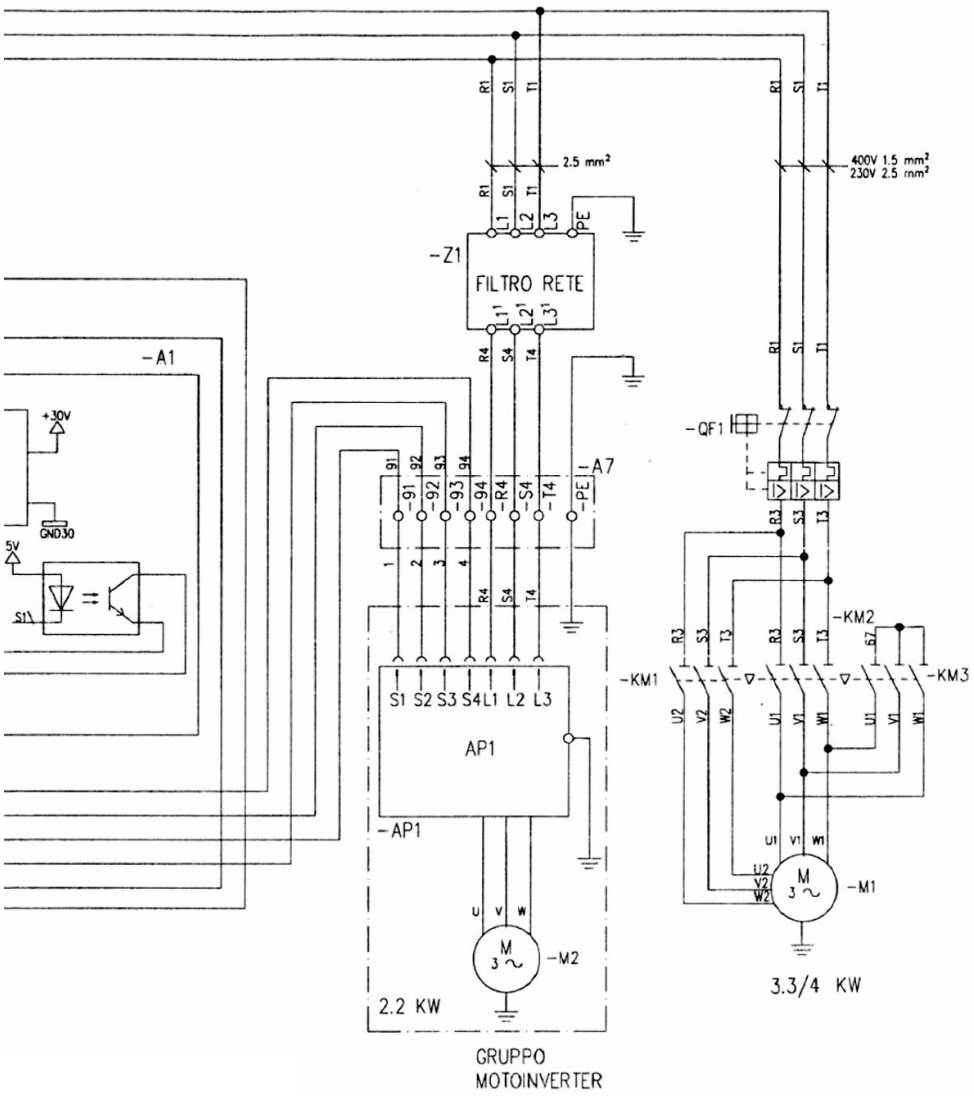
55


S1
R1
-QS1
-FU1
-PE
2.5 mm²
SPINA ELETTRICA E
PROTEZIONE DEL
QUADRO CON FUSIBILI
A CARICO
DELL'UTENTE
RETE 3PH 400V
50/60Hz
-FU
-XS1:1
-XS1:2
-XS1:3
-XS1:4
R2
S2
-FU1
400V: 1A gG 10.3X38
230V: 2A gG 10.3X38
0 200V 230V 400V 550V
-TC1
020
025
20V
25V
-HL1
WH
+5VA +5V +20VA +20V
AGND
GND
F1
T2A
5X20
X5:2
X5:1
X5:4
X5:3
25VAC-F
F2
10A
LAMA
25VAC-N
CPU-RX
ACQUI2
ACQUI1
S3
S2
GND30
X12:5
X12:4
X12:3
X12:2
X12:1
X6:1
X6:2
X6:3
-KM1
-KM2
-KM3
2° VELOCITA'
1° VELOCITA'
-Z2
-Z3
-Z4
-QS2


2.5 mm²
400V 1.5 mm²
230V 2.5 mm²
-Z1
FILTRO RETE
-A1
+30V
GND30
5V
S11
-A7
-QF1
-KM1
-KM2
-KM3
S1 S2 S3 S4 L1 L2 L3
AP1
-AP1
-M2
2.2 KW
GRUPPO
MOTOINVERTER
-M1
3.3/4 KW

4-108777

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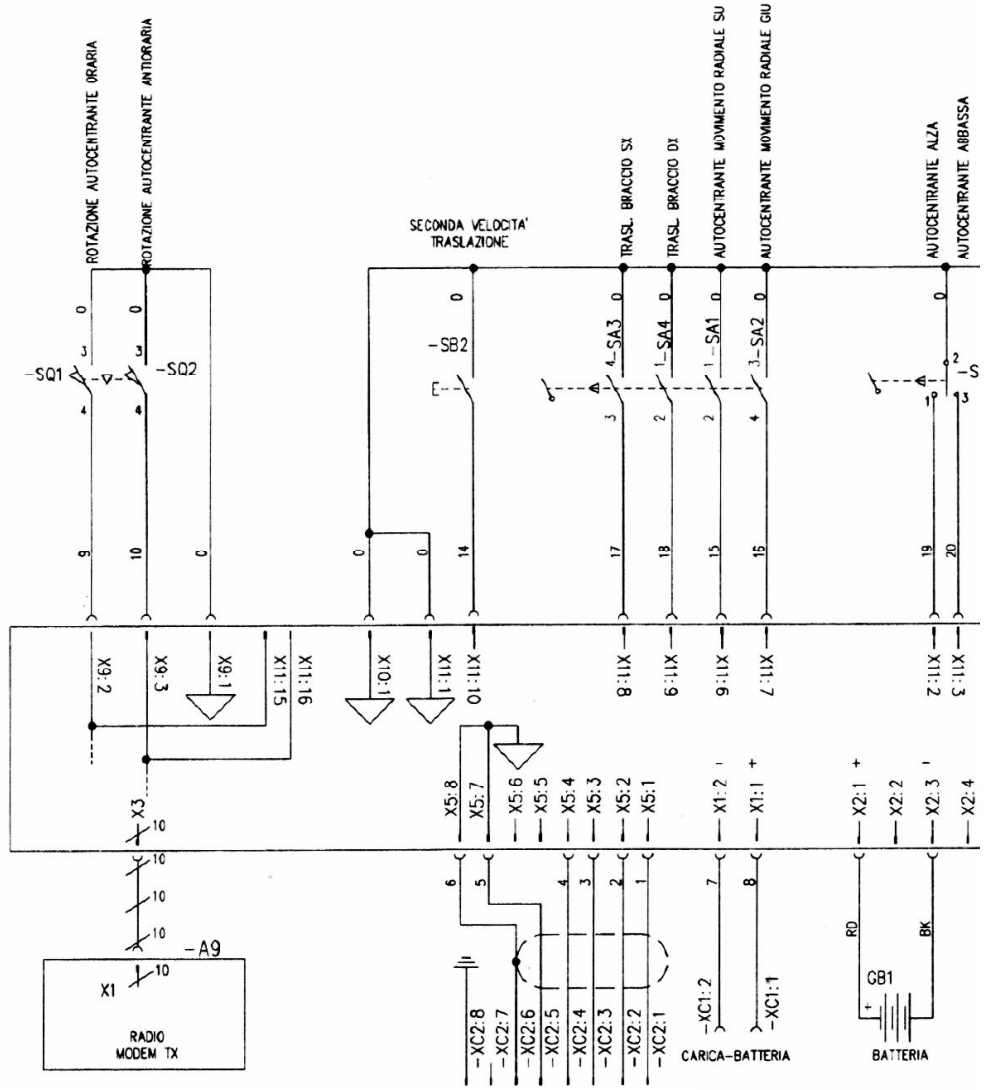
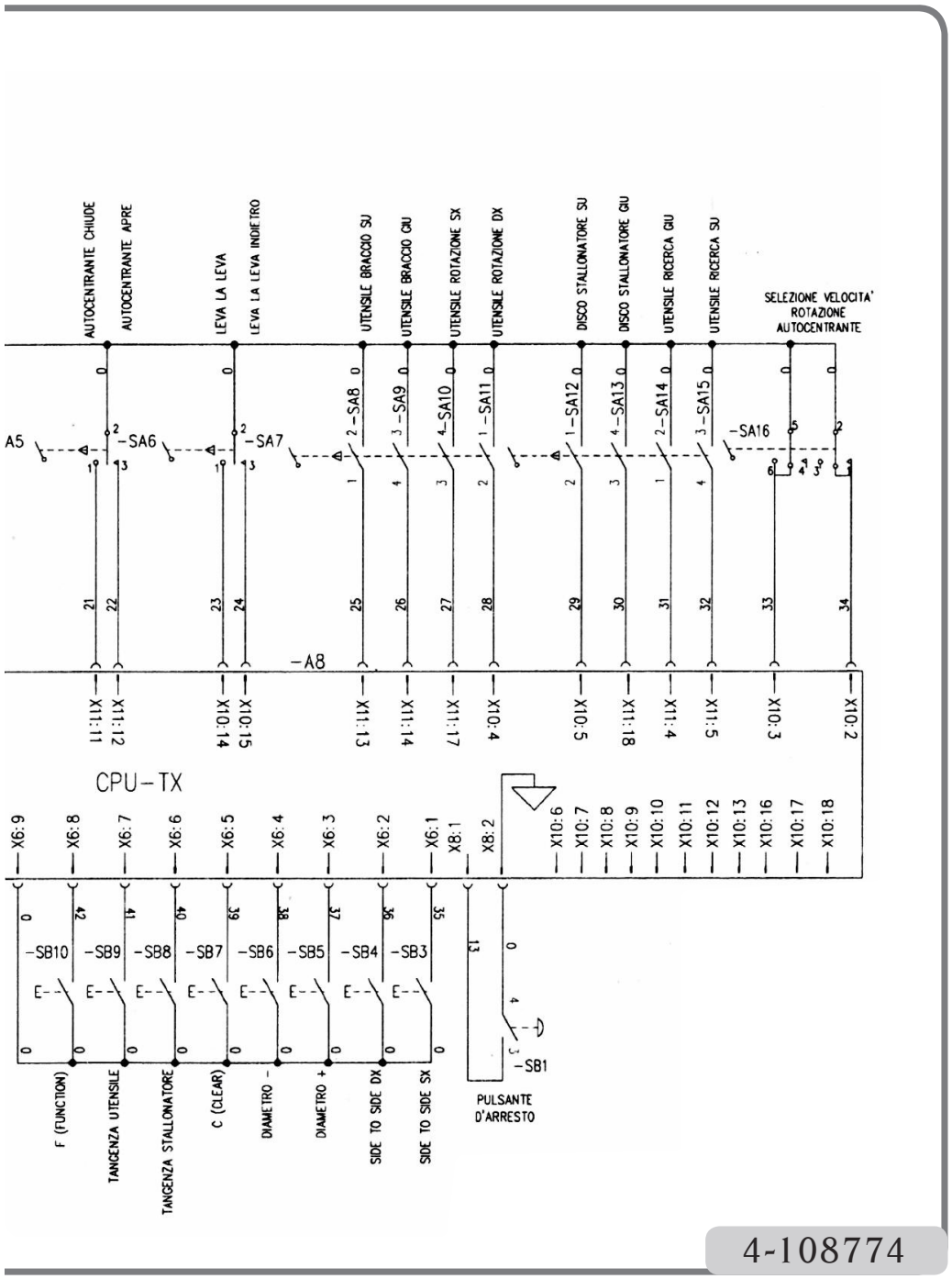

ROTAZIONE AUTOCENTRANTE ORARIA
ROTAZIONE AUTOCENTRANTE ANTIORARIA
SECONDA VELOCITA' TRASLAZIONE
TRASL. BRACCIO SX
TRASL. BRACCIO DX
AUTOCENTRANTE MOVIMENTO RADIALE SU
AUTOCENTRANTE MOVIMENTO RADIALE GIU
AUTOCENTRANTE ALZA
AUTOCENTRANTE ABBASSA
-SQ1
-SQ2
-SB2
-SA3
-SA4
-SA1
-SA2
-S
-A9
X1
RADIO MODEM TX
CARICA-BATTERIA
BATTERIA
GB1
RD
BK


AUTOCENTRANTE CHIUDE
AUTOCENTRANTE APRE
LEVA LA LEVA
LEVA LA LEVA INDIETRO
UTENSILE BRACCIO SU
UTENSILE BRACCIO GIU
UTENSILE ROTAZIONE SX
UTENSILE ROTAZIONE DX
DISCO STALLONATORE SU
DISCO STALLONATORE GIU
UTENSILE RICERCA GIU
UTENSILE RICERCA SU
SELEZIONE VELOCITA' ROTAZIONE AUTOCENTRANTE
A5
-SA6
-SA7
-SA8
-SA9
-SA10
-SA11
-SA12
-SA13
-SA14
-SA15
-SA16
-A8
CPU-TX
-SB10
-SB9
-SB8
-SB7
-SB6
-SB5
-SB4
-SB3
-SB1
F (FUNCTION)
TANGENZA UTENSILE
TANGENZA STALLONATORE
C (CLEAR)
DIAMETRO -
DIAMETRO +
SIDE TO SIDE DX
SIDE TO SIDE SX
PULSANTE D'ARRESTO

4-108774

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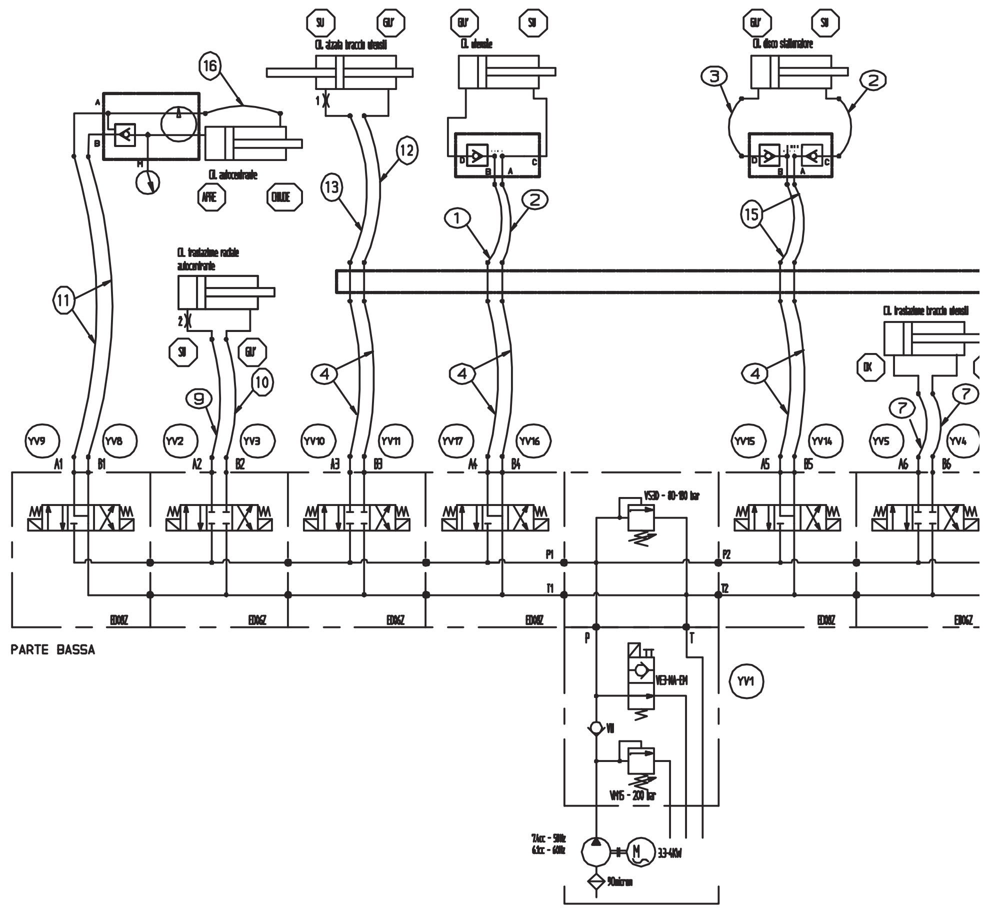
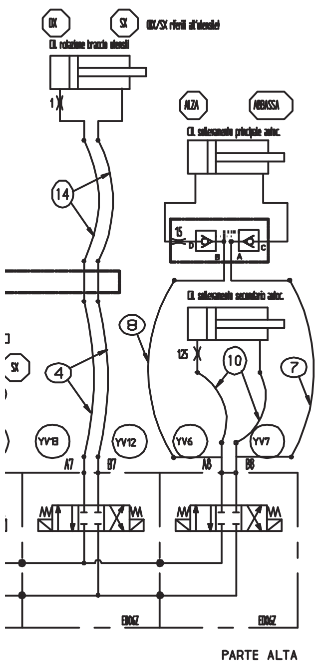
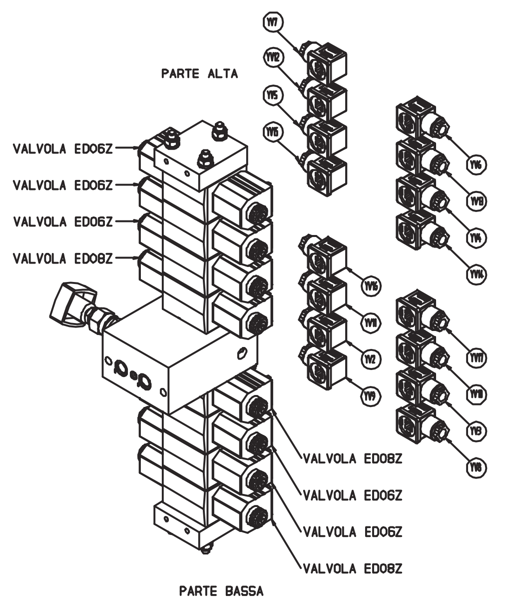


SU
GIU'
CIL. alzata braccio utensili
CIL. utensile
CIL. disco stallonatore
CIL. autocentrante
APRE
CHIUDE
CIL. traslazione radiale autocentrante
CIL. traslazione braccio utensili
YV9
YV8
YV2
YV3
YV10
YV11
YV17
YV16
YV15
YV14
YV5
YV4
YV1
A1
B1
A2
B2
A3
B3
A4
B4
A5
B5
A6
B6
P1
T1
P2
T2
P
T
ED06Z
VS30 - 80-180 bar
VE3-NA-EM
VU
VM15 - 200 bar
7.4cc - 50Hz
6.1cc - 60Hz
3.3-4KW
90micron
PARTE BASSA


DX
SX
CIL rotazione braccio utensili
ALZA
ABBASSA
CIL sollevamento principale autoc.
CIL sollevamento secondario autoc.
14
4
8
10
7
YV12
YV6
YV7
A7
B7
B8
PARTE ALTA


PARTE ALTA
VALVOLA ED06Z
VALVOLA ED06Z
VALVOLA ED06Z
VALVOLA ED08Z
VALVOLA ED08Z
VALVOLA ED06Z
VALVOLA ED06Z
VALVOLA ED08Z
PARTE BASSA

4-108803

Note

EC declaration of conformity

We, CORGHI SPA, Strada Statale 468 n°9, Correggio (RE), ITALY, do hereby declare, that the product

MONSTER AGTT tyre changer

to which this statement refers, manufactured by us and for which we hold the relative technical dossier, is compliant with the following standards:

- EN ISO 12100-1; EN ISO 12100-2
- EN 60204-1

according to directives:

- 2006/42/EC
- 2006/95/EC del 16/01/07
- 2004/108/EC
- 1999/5/EC

Correggio, 02 / 10

CORGHI S.p.A.
Ing. Corrado Bassoli

IMPORTANT: The EC Conformity Declaration is cancelled if the machine is not used exclusively with CORGHI original accessories and/or in observance of the instructions contained in the user's manual.

The form of this statement conforms to EN 45014 specifications.

Déclaration EC de conformité

Nous, CORGHI SPA, Strada Statale 468 n°9, Correggio (RE), ITALIE, déclarons que le matériel

démonte-pneus MONSTER AGTT

objet de cette déclaration, dont nous avons élaboré le livret technique, restant en notre possession, est conforme aux normes suivantes:

- EN ISO 12100-1; EN ISO 12100-2
- EN 60204-1

sur la base de ce qui est prévu par les directives:

- 2006/42/EC
- 2006/95/EC del 16/01/07
- 2004/108/EC
- 1999/5/EC

Correggio, 02 / 10

CORGHI S.p.A.
Ing. Corrado Bassoli

IMPORTANT: La déclaration EC de conformité est considérée comme nulle et non avenue dans le cas où l'appareil n'est pas utilisé avec des accessoires d'origine CORGHI et/ou, de toute façon, conformément aux indications contenues dans le manuel d'utilisation.

Le modèle de la présente déclaration est conforme à ce qui est prévu par la norme EN 45014.

EC - Konformitätserklärung

CORGHI SPA, Strada Statale 468 n°9, Correggio (RE), ITALY, erklärt hiermit, daβ das Produkt

Reifenmontiermaschine MONSTER AGTT

worauf sich die vorliegende Erklärung bezieht und dessen technische Akte diese Firma entwickelt hat und innehält, den Anforderungen folgender Normen entspricht:

- EN ISO 12100-1; EN ISO 12100-2
- EN 60204-1

auf Grundlage der Vorgaben durch die Richtlinien:

- 2006/42/EC
- 2006/95/EC del 16/01/07
- 2004/108/EC
- 1999/5/EC

Correggio, 02 / 10

CORGHI S.p.A.
Ing. Corrado Bassoli

WICHTIG: Die EC-Konformitätserklärung verliert ihre Gültigkeit, falls die Maschine nicht ausschlieβlich mit CORGHI-Originalzubehör und/oder unter Miβachtung der in der Betriebsanleitung aufgeführten Anweisungen verwendet wird.

Das Modell der vorliegenden Erklärung entspricht den Anforderungen der in EN 45014 aufgeführten Vorgaben.

Declaración EC de conformidad

La mercantil abajo firmante, CORGHI SPA, con sede en Strada Statale 468 n°9, Correggio (RE), ITALIA, declara que el producto

desmontagoma MONSTER AGTT

al cual se refiere la presente declaración y del que hemos redactado y poseemos el correspondiente expediente técnico, se conforma a las siguientes normas:

- EN ISO 12100-1; EN ISO 12100-2
- EN 60204-1

en conformidad con lo establecido por las Directivas:

- 2006/42/EC
- 2006/95/EC del 16/01/07
- 2004/108/EC
- 1999/5/EC

Correggio, 02 / 10

CORGHI S.p.A.
Ing. Corrado Bassoli

IMPORTANTE: La declaración EC de conformidad caduca en el supuesto que la máquina no sea exclusivamente utilizada con accesorios originales CORGHI y/o en cualquier caso en cumplimiento de las indicaciones contenidas en el manual de uso.

El modelo de la presente declaración se conforma a lo dispuesto en la EN 45014.

Dichiarazione CE di conformità

Noi CORGHI SPA, Strada Statale 468 n°9, Correggio (RE), ITALY, dichiariamo che il prodotto

smontagomme MONSTER AGTT

al quale questa dichiarazione si riferisce e di cui abbiamo costituito e deteniamo il relativo fascicolo tecnico, è conforme alle seguenti norme e/o documenti normativi:

- EN ISO 12100-1; EN ISO 12100-2
- EN 60204-1

in base a quanto previsto dalle direttive:
- 2006/42/CE
- 2006/95/CE del 16/01/07
- 2004/108/CE
- 1999/5/CE

Correggio, 02 / 10

CORGHI S.p.A.
Ing. Corrado Bassoli

IMPORTANTE: La dichiarazione CE di conformità decade nel caso in cui la macchina non venga utilizzata unicamente con accessori originali CORGHI e/o comunque in osservanza delle indicazioni contenute nel Manuale d'uso.

Il modello della presente dichiarazione è conforme a quanto previsto nella EN 45014.

Note

Note

COMIM - Cod. 4-329710B - 02/10

CORGHI S.p.A. - Strada Statale 468 n.9
42015 CORREGGIO - R.E. - ITALY
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