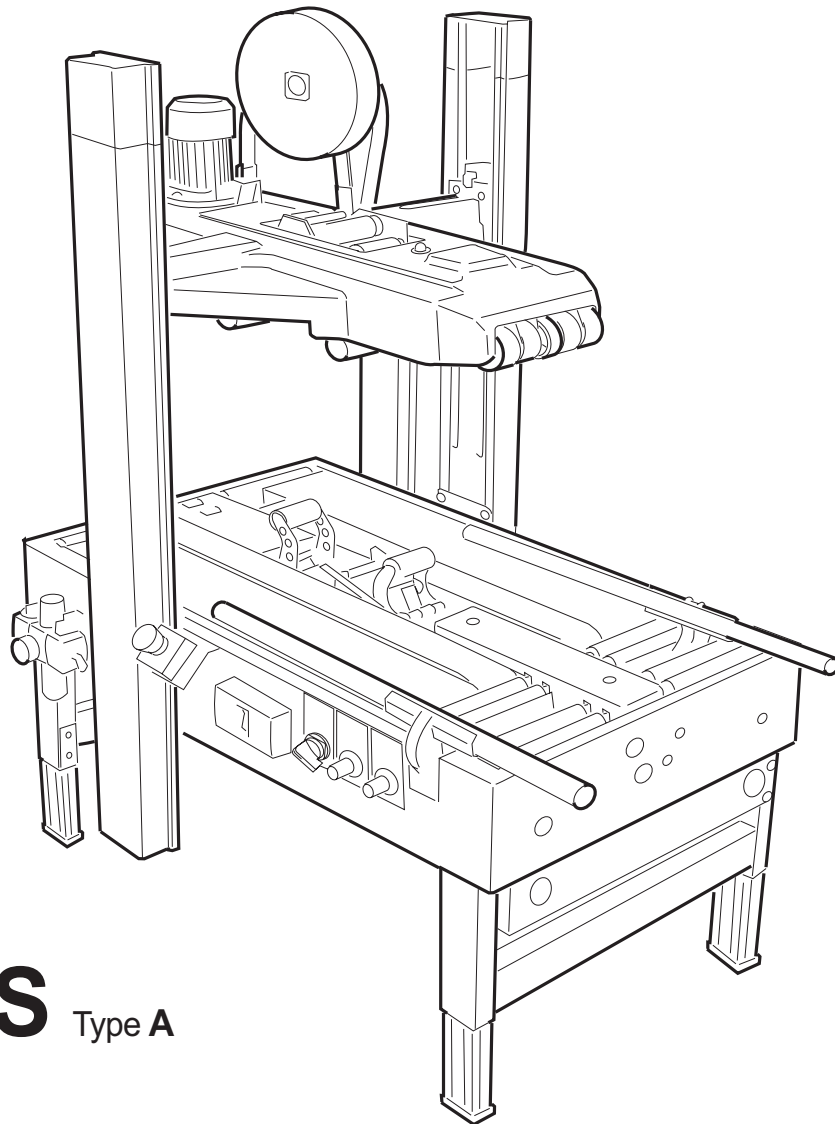


SIAT

■ M. J. MAILLIS GROUP



SR46-S Type A

NASTRATRICE AUTOMATICA

AUTOMATIC CASE SEALING MACHINE

MACHINE ENRUBANNEUSE AUTOMATIQUE

AUTOMATISCHE KARTONVERSCHLISSMASCHINE

PRECINTADORA AUTOMATICA

MANUALE DI ISTRUZIONI E PARTI DI RICAMBIO

INSTRUCTIONS MANUAL AND SPARE PARTS LIST

MANUAL D'INSTRUCTIONS ET PIECES DETACHEES

BEDIENUNGSANLEITUNG UND ERSTAZTEILLISTE

MANUAL DE INSTRUCCIONES Y RECAMBIOS



Instruction manual for the use, safety, maintenance and spare parts concerning the case sealing machine model SR46-S Type A.

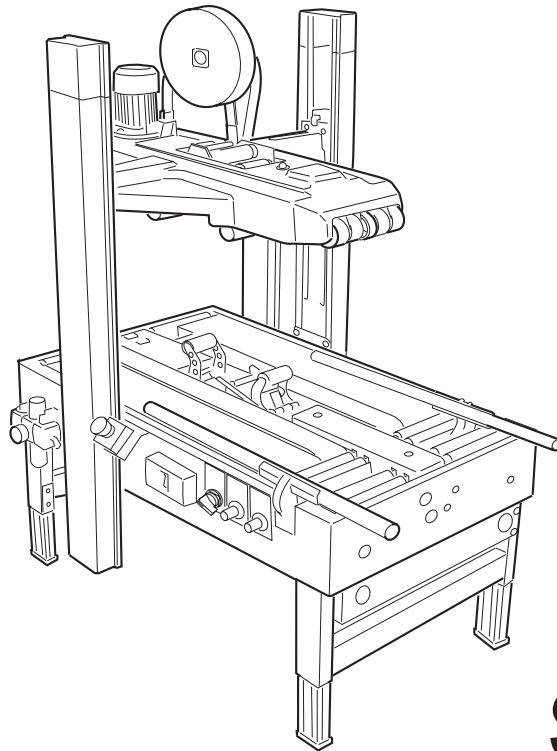
This publication is property of SIAT S.P.A.
Via Puecher, 22 - 22078 TURATE (CO) - ITALY
Tel. 02-964951 - Fax. 02-9689727

Edition January 2007

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The manufacturer reserves the right to modify the product at any time without notice.

Publication n. SMB00049K
Release I



SR46-S Type A

AUTOMATIC ADJUSTMENT CASE SEALING MACHINE WITH TOP AND BOTTOM DRIVE BELTS

- Maximum box size **h.** 750 mm x **w.** 650 mm
- Adhesive tape 75 mm
- Belt speed 22 m per minute
- Production 650 boxes per hour (average)

	Section	LIST OF ABBREVIATIONS, ACRONYMS AND UNUSUAL TERMS TO BE FOUND IN THIS MANUAL	
Manufacturing specifications	1.1		
Manual, how to use the	1.2		
Serial Number	2.1		
After-sale service	2.2	Dwg.	= drawing
Warranty	2.3	Encl.	= enclosure
Safety	3	Ex.	= example
Operators' skill levels	3.6	Fig.	= figure showing spare parts
Technical specifications	4	Max.	= maximum
Dimensions and weight	4.2.-4.6	Min.	= minimum
Noise measurement	4.10	Mod.	= machine model
Transportation	5	N.	= number
Unpacking	6	N/A	= not applicable
Installation	7	OFF	= machine stopped
Theory of operation	8	ON	= machine running
Controls	9	OPP	= oriented polypropylene adhesive tape
Safety devices	10	Pict.	= picture
Set-up and adjustments	11	PLC	= Programmable Logic Control
Tape replacement	11.1-11.2	PP	= polypropylene
Operation	12	PTFE	= Polytetrafluorethylene
Cleaning	12.5	PVC	= Polyvinylchloride
Trouble shooting	12.8	Ref.	= reference mark
Maintenance	13	SIAT SPA	= Società Internazionale Applicazioni Tecniche (Società per Azioni)
Lubrication	13.5	Tav.	= Illustration
Blade replacement	13.9		
Belt replacement	13.10-13.11		
Adjustment of belt tension	13.12	w	= width
Log of maintenance work	13.13	h	= height
Fire emergency	14.2	l	= length
Enclosures	15	ol	= overall length
Electric Schematics	16	cbh	= conveyor bed height
Pneumatic Schematic	16		
Spare parts	last section		

INTRODUCTION

1.1 MANUFACTURING SPECIFICATIONS

The automatic case sealing machine Mod. SR46-S has been designed and manufactured complying with the legal requirements in force at the date of its manufacture.

THE REFERENCE DOCUMENTS ARE:

Directive 98/37/CEE on the standardisation of member States legislation on machines.

Directive 89/336/EEC on the standardisation of member States legislation on electromagnetic compatibility.

Directive 73/23/EEC on the standardisation of member States legislation on electrical materials to be used within certain voltage limits.

UNI EN 292-1 Safety of machinery. Basic concepts general principles for design. Basic terminology methodology.

UNI EN 292-2 Safety of machinery. Basic concepts general principles for design. Technical principles and specifications

UNI EN 294 Safety of machinery. Safety distances to prevent danger zones being reached by the upper limbs.

UNI EN 349 Safety of machinery. Minimum gaps to avoid crushing of parts of the human body.

UNI EN 418 Safety of machinery. Emergency stop equipment, functional aspects. Principles for design.

UNI EN 457 Safety of machinery. Auditory danger signals. General requirements, design and testing.

UNI EN 954 Safety of machinery. Safety-related parts of control systems - General principles for design.

UNI EN 1050 Safety of machinery. Principles or risk assessment.

CEI EN 60204-1 Safety of machinery. Electrical equipment of machines. Part 1: General requirement.

1.2 HOW TO READ AND USE THE INSTRUCTION MANUAL

1.2.1 IMPORTANCE OF THE MANUAL

The manual is an important part of the machine; all information contained herein is intended to enable the equipment to be maintained in perfect condition and operated safely. Ensure that the manual is available to all operators of this equipment and is kept up to date with all subsequent amendments. Should the equipment be sold or disposed of, please ensure that the manual is passed on. Electrical and pneumatic diagrams are included in the manual. Equipment using PLC controls and/or electronic components will include relevant schematics or programmes in the enclosure, and in addition the relevant documentation will be delivered separately.

1.2.2 MANUAL MAINTENANCE

Keep the manual in a clean and dry place near the machine. Do not remove, tear or rewrite parts of the manual for any reason.

Use the manual without damaging it.

In case the manual has been lost or damaged, ask your after sale service for a new copy, quoting the code number of the document.

1.2.3 CONSULTING THE MANUAL

The manual is composed of:

- pages which identify the document and the machine;
- index of the subjects;
- instructions and notes on the machine: sections **2÷14**
- enclosures, drawings and diagrams: sections **15÷16**
- spare parts: last section.

All pages and diagrams are numbered. The spare parts lists are identified by the figure identification number.

All the notes on safety measures or possible dangers are identified by the symbol:



All the important warning notes related to the operation of the machine are identified by the symbol: 

The parts typed in **bold** refer to technical data or technical notes on a specific subject.

1.2.4 HOW TO UPDATE THE MANUAL IN CASE OF MODIFICATIONS TO THE MACHINE

Modifications to the machine are subject to manufacturer's internal procedures.


The user receives a complete and up-to-date copy of the manual together with the machine.

Afterwards the user may receive pages or parts of the manual which contain amendments or improvements made after its first publication.

The user must use them update this manual.

2-GENERAL INFORMATION

2.1 SERIAL NUMBER OF THE MACHINE AND NAME OF THE MANUFACTURER

SIAT ■ M. J. MAILLIS GROUP	Part Number	SIATs.p.a.Via G.Puecher N°22 Turate (CO) ITALY			
	Model	Year	Ampere	Watt	
Type	Serial Number	Volt	Hertz	Phase	

2.2 FOR AFTER-SALE SERVICE AND SPARE PARTS PLEASE APPLY TO:

SIAT ■ M. J. MAILLIS GROUP
Via Puecher, 22 22078 TURATE (CO) - ITALY
Tel. 02-964951 Fax. 02-9682239 E-mail siat@siat.com

AGENT/DISTRIBUTOR OR LOCAL AFTER SALE SERVICE:

2-GENERAL INFORMATION

2.3 WARRANTY

Within the limits of what is set forth below, Seller agrees to repair or replace without cost to Buyer any defective goods when such defect occurs within a period of six (6) months from the date in which Seller's goods have been put into use, but in no event beyond eight (8) months from the date of shipment.

Expressly excluded from this warranty are those parts subject to normal wear and tear (by way of illustration, but not limitation, such parts as belts, rubber rollers, gaskets, brushes, etc.) and electrical parts.

Buyer must immediately notify Seller of any defect, specifying the serial number of the machine.

Buyer shall send to Seller the defective item for repair or replacement. Seller will perform the repairs or provide a replacement within a reasonable period of time.

Upon effecting such repair or replacement, Seller shall have fulfilled its warranty obligations. In the event the repairs or replacement must be effected at the place where the machine is installed, all expenses for labor, travel and lodging of Seller's personnel shall be sustained by the Buyer. Buyer will be invoiced in conformity with Seller's standard charges for the services rendered.

Seller is not responsible for defects resulting from:

- Improper use of the machine
- Lack of proper maintenance
- Tampering with the machine or repairs effected by the Buyer.

Seller will not be liable for any injury to persons or things or for the failure of production. With respect to the materials not manufactured by Seller, such as motors and electrical equipment, Seller will grant to Buyer the same warranty Seller receives from its supplier of such materials. Seller does not warrant the compliance of its machines with the laws of non-EEC countries in which the machines may be installed, nor does it warrant compliance with laws or standards relating to the prevention of accidents or pollution.

Adaptation of Seller's machines to the aforesaid laws or standards shall be the responsibility of Buyer who assumes all liability therefore.

Buyer shall indemnify and hold Seller harmless against any claim by third parties resulting from failure to comply with the aforesaid laws and standards.

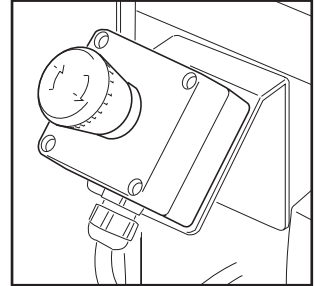
3-SAFETY

3.1 GENERAL SAFETY INFORMATION

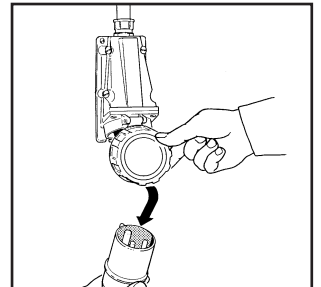
Read all the instructions carefully before starting the work with the machine; please pay particular attention to sections marked by the symbol



The machine is provided with a LOCKABLE EMERGENCY STOP BUTTON placed on the operator side of the machine; when this button is pressed, it stops the machine at any point in the working cycle without cutting the pneumatic circuit.



Disconnect the machine from the mains before any maintenance operation.



Keep this manual in a handy place near the machine: its information will help you to maintain the machine in good and safe working condition.

3.2 DEFINITION OF THE OPERATORS' QUALIFICATIONS

- Machine operator
- Maintenance technician
- Electrician
- Manufacturer's technician

Only persons who have the skills described in the following page should be allowed to work on the machine. It is the responsibility of the user to appoint the operators having the appropriate skill level and the appropriate training for each category of job.

SKILL 1

MACHINE OPERATOR

This operator is trained to use the machine with the machine controls, to feed cases into the machine, make adjustments for different case sizes, to change the tape and to start, stop and restart production.

N.B.: the factory manager must ensure that the operator has been properly trained on all the machine functions before starting work.

3-SAFETY

SKILL 2

MECHANICAL MAINTENANCE TECHNICIAN

This operator is trained to use the machine as the MACHINE OPERATOR and in addition is able to work with the safety protection disconnected, to check and adjust mechanical parts, to carry out maintenance operations and repair the machine.

He is not allowed to work on live electrical components.

SKILL 2a

ELECTRICAL MAINTENANCE TECHNICIAN

This operator is trained to use the machine as the MACHINE OPERATOR and in addition is able to work with the safety protection disconnected, to make adjustments, to carry out maintenance operations and repair the electrical components of the machine.

He is allowed to work on live electrical panels, connector blocks, control equipment etc.

SKILL 3

SPECIALIST FROM THE MANUFACTURER

Skilled operator sent by the manufacturer or its agent to perform complex repairs or modifications, when agreed with the customer.

3.3 INSTRUCTIONS FOR A SAFE USE OF THE MACHINE

Only persons who have the skills described on the following paragraph **3.6** are allowed to work on the machine.

It is responsibility of the user to appoint the operators having the appropriate skill level and the appropriate training for each category of job.

3.4 STATE OF THE MACHINE

List of the modes which are possible with this machine:

- automatic running;
- running with safety protections removed or disabled;
- stopped by using the main switch;
- stopped by using the lockable emergency stop button;
- electric power disconnected;
- compressed air disconnected.

3-SAFETY

3.5 NUMBER OF THE OPERATORS

The operations described hereinafter have been analyzed by the manufacturer; the number of operators shown for each operation is suitable to perform it in the best way. A smaller or larger number of operators could be unsafe.

3.6 OPERATORS' SKILL LEVELS

The table below shows the minimum operator's skill for each operation with the machine.

OPERATION	STATE OF THE MACHINE	OPERATOR'S SKILL	NUMBER OF OPERATORS
Installation and set up of the machine.	Running with safety protections disabled.	2 and 2a	2
Adjustment of the box size.	Stopped by pressing the EMERGENCY STOP button.	1	1
Tape replacement.	Stopped by pressing the EMERGENCY STOP button.	1	1
Replacement of blades.	Electric power disconnected.	2	1
Replacement of drive belts.	Electric and pneumatic power disconnected.	2	1
Ordinary maintenance (mechanical).	Electric and pneumatic power disconnected.	2	1
Ordinary maintenance (electrical).	Electric and pneumatic power disconnected.	2a	1
Extraordinary maintenance (mechanical).	Running with safety protections disabled.	3	1
Extraordinary maintenance (electrical).	Running with safety protections disabled.	3	1

3-SAFETY

3.7 RESIDUAL HAZARDS

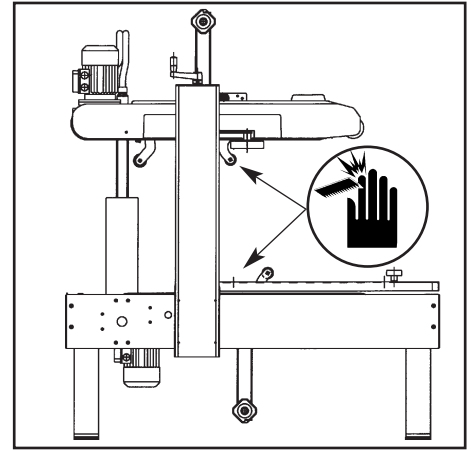
The case sealer SR46-S has been designed following the CE 392 directives, and incorporates various safety protections which should never be removed or disabled.

Notwithstanding the safety precautions conceived by the designers of the machine, it is essential that the operator and service personnel be warned that the following uneliminable residual hazards exist

WARNING! Tape cutting blades.

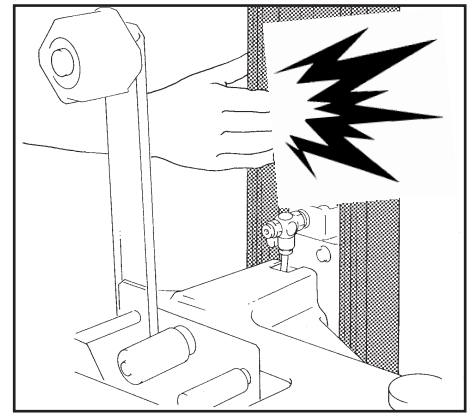
Never remove the safety device which covers the blade on the top and bottom taping units.

Blades are extremely sharp. Any error may cause serious injuries.



WARNING! Pneumatic drives of the upper head housed inside the columns.

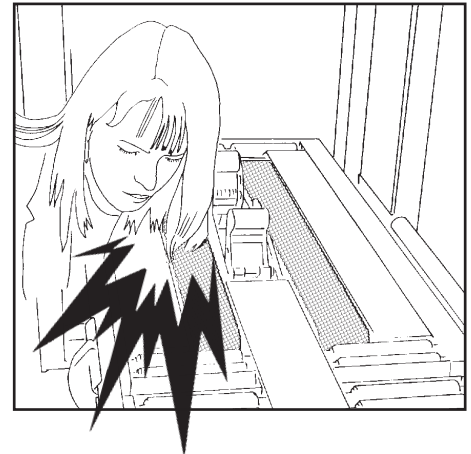
Keep hands away.



WARNING! Upper and lower drive belts.

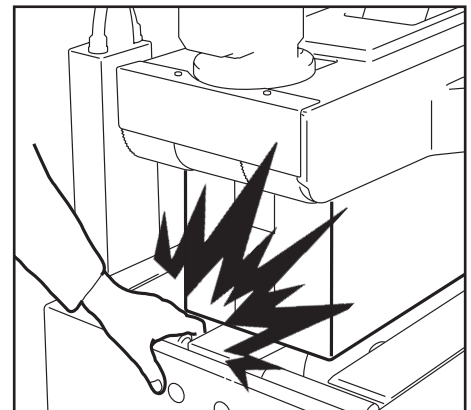
Never work on the machine with loose hair or loose garments such as scarfs, ties or sleeves.

Although protected, the drive belts may be dangerous.



WARNING! Cavity in the conveyor bed.

Never put your hands inside any part of the machine while it is working. Serious injury may occur.



3-SAFETY

WARNING! Top driving belts.

Never touch the running belt with your hands.
Serious injury may occur.



3.8 RECOMMENDATIONS AND MEASURES TO PREVENT OTHER HAZARDS WHICH CANNOT BE ELIMINATED

The operator must stay on the working position shown on paragraph 12.1. He must never touch the running driving belts or put his hands inside any cavity.

The box must be fed by keeping the hands in the right position. (see paragraph 4.9)

The operator must pay attention to the blades during the tape replacement.

3.9 PERSONAL SAFETY MEASURES

(Safety glasses, safety gloves, safety helmet, safety shoes, air filters, ear muffs).

None is required, except when recommended by the user.

3.10 PREDICTABLE ACTIONS WHICH ARE INCORRECT AND NOT ALLOWED

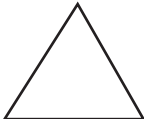
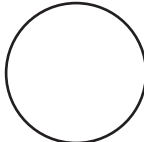

- Never try to stop or hold the box while it is being driven by the belts.
Use only the EMERGENCY STOP BUTTON.
- Never work without the safety protections.
- Never remove or disable the safety devices.
- Only authorised personnel should be allowed to carry out the adjustments, repairs or maintenance which require operation with reduced safety protections. During such operations, access to the machine must be restricted. When the work is finished, the safety protections must immediately be reactivated.

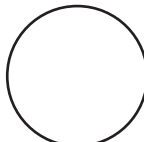


- The cleaning and maintenance operations must be performed after disconnecting the electric power.
- Clean the machine using only dry clothes or light detergents. Do not use solvents, petrols etc.
- Do not modify the machine or any part of it. The manufacturer will not be responsible for any modifications.
- We advise to apply directly to Siat for modifications.
- Follow carefully the installation instructions of this manual. The manufacturer will not be responsible for damages caused by improper installation.

3-SAFETY


3.11 TABLE OF WARNINGS, LABELS, PLATES AND DRAWINGS TO BE FOUND ON THE MACHINE

	SYMBOLS	COLOURS	
		DANGER AND PARTS IN MOVEMENT	YELLOW COLOUR
		COMPULSORY ACTIONS/PROHIBITION	RED COLOUR
		CONTROLS AND INFORMATION	LIGHT BLUE COLOUR

a  Warns the operator that the adjustable upper head cylinder stop must not be released if compressed air is OFF.




Label code: 3.0.010604.96/A

b  Warns the operator not to touch the lever that actuates the valve for the upper head ascent.



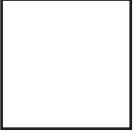
Label code: 3.0.01029.96A

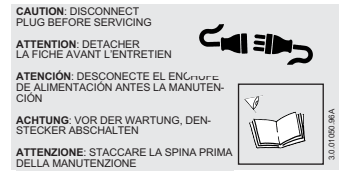
c  Show the selector to raise/lower the upper head assembly to make easily accessible the bottom taping unit for tape replacement.



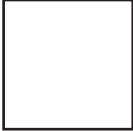
Label code: 3.0.01047.96A

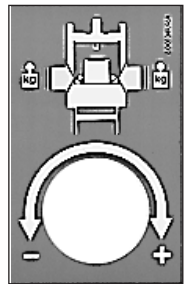
3-SAFETY

d  Before starting any maintenance operations the electrical power must be disconnected.




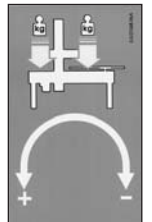
Label code: 3.0.01050.96A

e  Show the knob to adjust the pressure of the side guides against the box.




Label code: 3.0.01049.96A

f  Show the knob to adjust the weight of the upper head assembly on the box.




Label code: 3.0.01048.96A

g  Show the sharp knife on the taping head.



Label code: 3.0.01028.96A

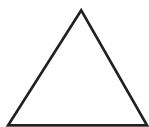
h  Tape threading path for top taping unit, and position of the sharp knife.



Label code: 3.0.01023.96A

3-SAFETY

i



Tape threading path for bottom taping unit and position of the sharp knife.



Label code: 3.0.01024.96A

l



Show the running direction of the belts.



Label code: 3.0.01040.96A

m



Show that air is in the circuit (red indicator is up).



Label code: 3.0.01035.96A

n



Warns the operator not to touch the lever that actuates the closing/opening of the box side guides.



Label code: 3.0.01027.96A

o

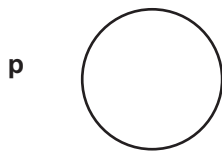


Warns the operator not to introduce the hands into the cavities of the box side guides.



Label code: 3.0.01036.96A

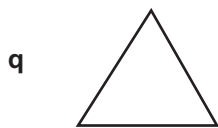
3-SAFETY



Warns the operator to keep hands away from the pneumatic cylinder housed inside the columns.



Label code: 3.0.01041.96A



Shows the danger of the upper drive belts when running.



Label code: 3.0.01030.96A



Show the danger of the bottom drive belts when running.



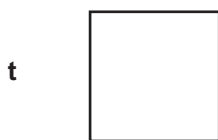
Label code: 3.0.01031.96A



Show the start/stop control and that inside the circuit breaker box there is electric current.



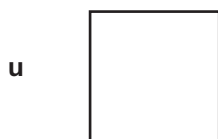
Label code: 3.0.01090.96A



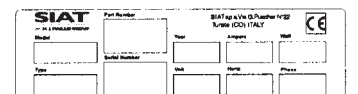
Show the point for earth wire connection on the machine frame.



Label code: 3.0.01039.96A



Identification data for the machine model, serial number and manufacturer.



Label code: SBC0000629

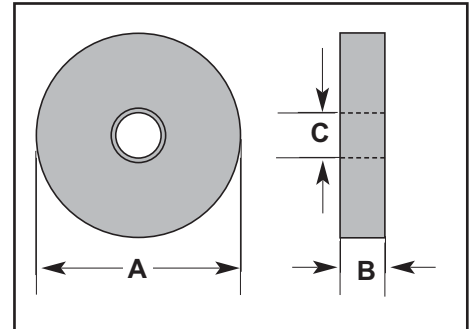
4-PRELIMINARY INFORMATION ON THE MACHINE

4.1 GENERAL DESCRIPTION OF THE MACHINE

Automatic case sealer with top and bottom drive belts and automatic adjustment to the box size to be sealed.

4.2 TECHNICAL SPECIFICATIONS

- Production = 650 boxes/hour (average)
- Standard power supply = 230/400 V 50Hz 3Ph
- N.2 motors (HP 0,18) KW 0,12
- Taping units K12, tape width 75 mm.
- Weight = 165 kg.
- Belts speed = 22 m per minute
- Compressed air = 6 Bar max.



A = 410 mm max
B = 75 mm
C = 76 mm

4.3 TAPE DIMENSIONS

Suitable adhesive tapes:

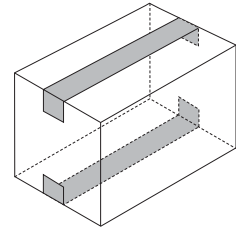
PVC

OPP

ADHESIVE PAPER

4.4 PURPOSE OF THE MACHINE

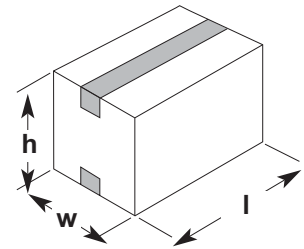
The machine is designed to seal with adhesive tape cases having the dimensions (in millimeters) shown in section 4.5, by applying two tape stripes on their top and bottom flaps simultaneously.



4.5 BOX-SIZE RANGE

The case sealer SR46-S is automatically adjustable to any box sizes included in the range shown below (part 1).

To seal boxes higher than 750 mm, it is possible to modify the position of the outer columns as shown in the drawing below (part 2).



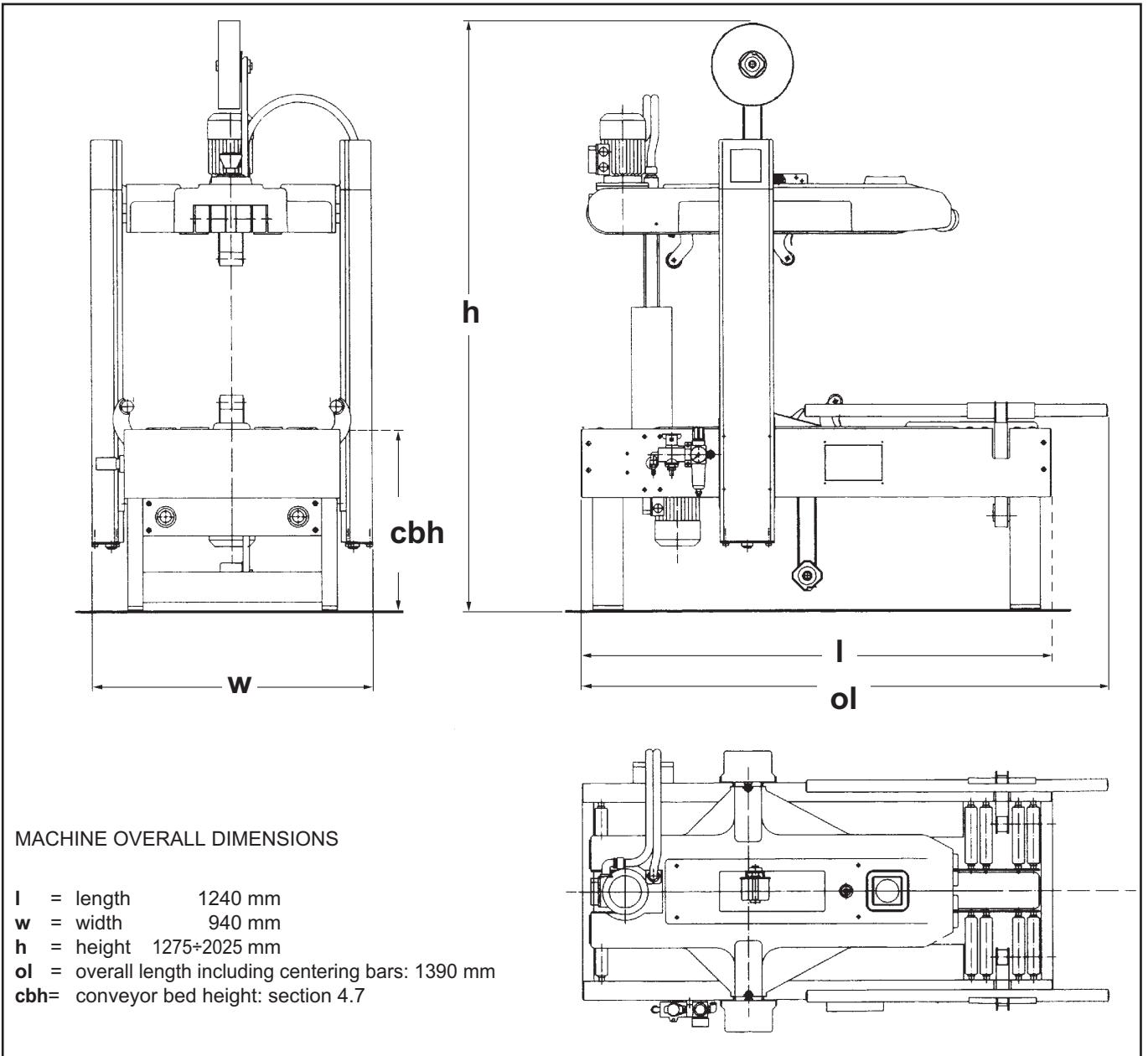
	1 OUTER COLUMNS IN LOW POSITION			
	BOX SIZE		MIN	MAX
	L	150		
	W	170	650	
	H	130	750	
	2 OUTER COLUMN IN HIGH POSITION			
	BOX SIZE		MIN	MAX
	L	150		
	W	170	650	
	H	340	930	

NOTES

- 1 The box length (L) refers to the size in the seal direction.
- 1 The boxes should have a H/L ratio (HEIGHT/LENGTH) of 0,5 or higher. Boxes with a lower ratio should be test run to ensure perfect performance, which depends upon various factors such as box weight and rigidity.
- 1 Some special modifications are available from the manufacturer in order to seal box formats smaller or larger than the standard sizes described herein. If interested, please contact your Siat Service Dealer

4-PRELIMINARY INFORMATION ON THE MACHINE

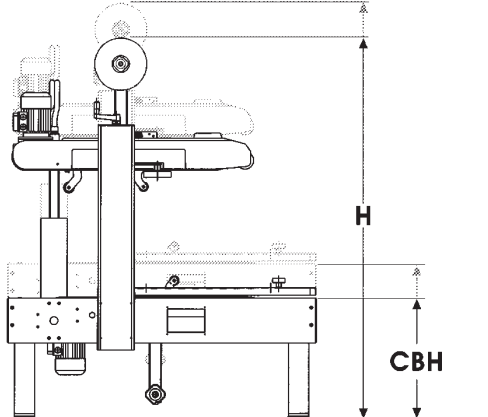
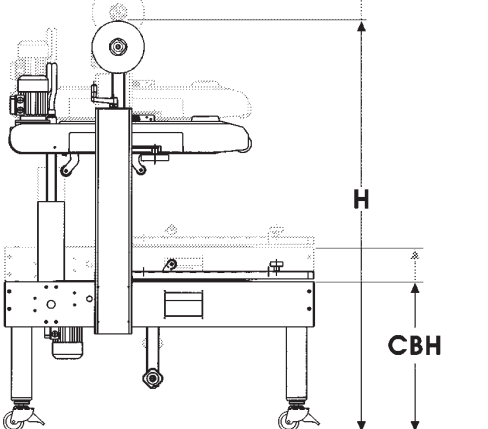
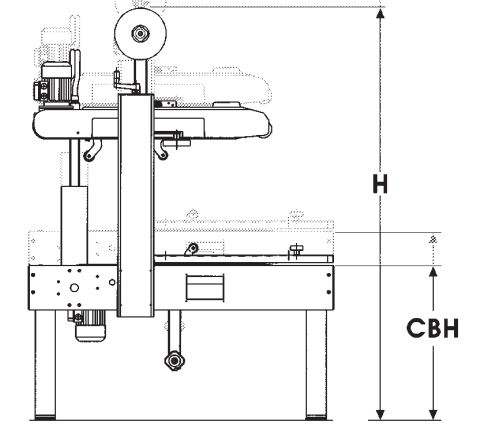
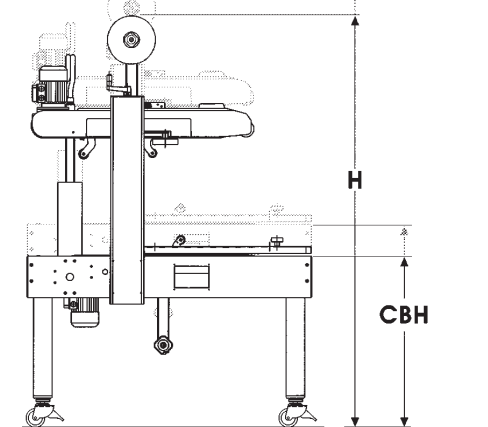
4.6 DIMENSIONS



4.7 CONVEYOR BED HEIGHT

The case sealer SR46-S allows for a wide range of conveyor bed height. Various combinations are possible with the use of the optional accessories AS77 (casters) and AS80 (legs), as shown in the following page.

4-PRELIMINARY INFORMATION ON THE MACHINE

	<h3>A WITH STANDARD LEGS</h3>				
	<h3>B WITH AS77 CASTERS (OPTIONAL)</h3>				
	<h3>C WITH AS80 LEGS (OPTIONAL)</h3>				
	<h3>D WITH AS80 LEGS AND AS77 CASTERS (OPTIONAL)</h3>				

CONVEYOR BED HEIGHT		OVERALL DIMENSIONS		
	MIN	MAX	MIN	MAX
H			1275	2025
CBH	485	825	L	1240
			W	940

CONVEYOR BED HEIGHT		OVERALL DIMENSIONS		
	MIN	MAX	MIN	MAX
H			1375	2125
CBH	585	925	L	1240
			W	940

CONVEYOR BED HEIGHT		OVERALL DIMENSIONS		
	MIN	MAX	MIN	MAX
H			1435	2335
CBH	645	1135	L	1240
			W	940

CONVEYOR BED HEIGHT		OVERALL DIMENSIONS		
	MIN	MAX	MIN	MAX
H			1535	2435
CBH	745	1235	L	1240
			W	940

4-PRELIMINARY INFORMATION ON THE MACHINE

4.8 MAIN COMPONENTS

The machine is composed of:

- N. 1 frame
- N. 4 adjustable legs
- N. 2 columns
- N. 2 taping units
- N. 1 top head support
- N. 1 top drive belts assembly
- N. 1 bottom drive belts assembly
- N. 2 electric motors
- N. 1 emergency stop button
- N. 1 main switch ON/OFF

For the technical features of the electric parts refer to section **15-ENCLOSURES**

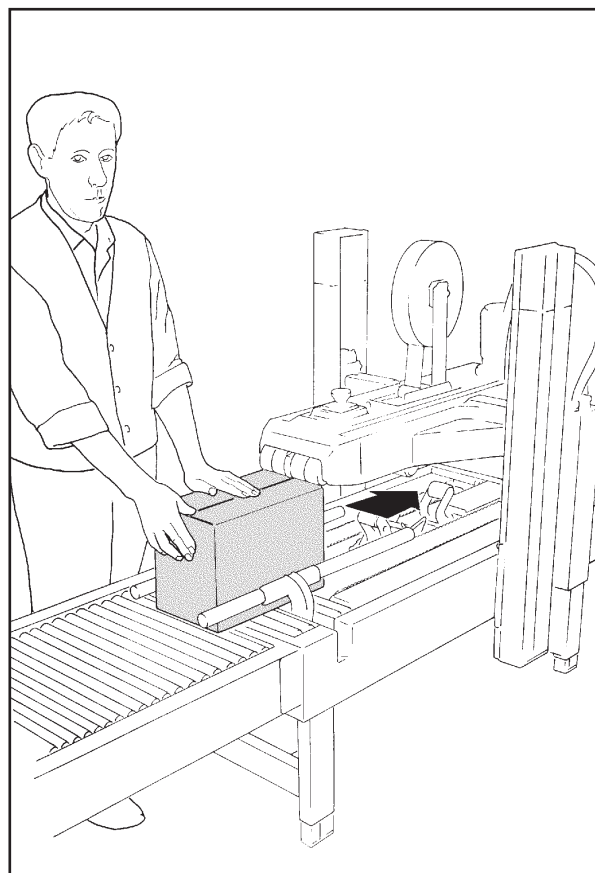
4.9 OPERATIVE FLOW

Once the box has been filled, close its top flaps and push it against the lever that controls the ascent of the upper head. Insert the box into the machine until it overhangs the drive belts that will drag it through the taping heads.

Keep hands always as shown on Picture.



The box will be automatically sealed with adhesive tape on the top and bottom box seams. Then it will be expelled on the exit conveyor.



4.10 MACHINE NOISE MEASUREMENT

Acoustic pressure at 1 meter distance from the machine with the tape roll inserted: 73 dB. Acoustic pressure at a height of 1,6 meter above the machine with the tape roll inserted: 73 dB.

The measurement has been performed by a SPYRI-MICROPHON phonometer.

5-SHIPPING-HANDLING-PACKAGE

5.1 SHIPMENT AND HANDLING OF THE PACKED MACHINE

The machine is fixed on the pallet with four bolts and can be uplifted by using a forktruck.

The packaging is suitable to travel by land and by air. Optional sea-freight packaging available.

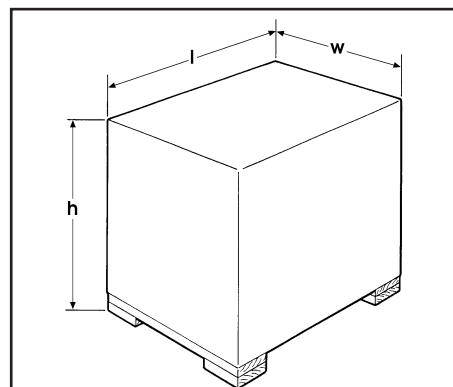
PACKAGING OVERALL DIMENSIONS

l = length 1400 mm

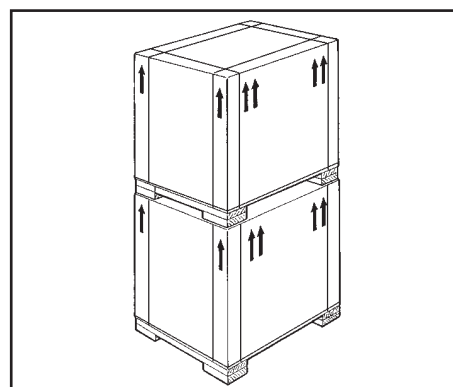
w = width 1000 mm

h = height 1300 mm

Weight kg. 210



During the shipment it is possible to stack a maximum of 2 machines.



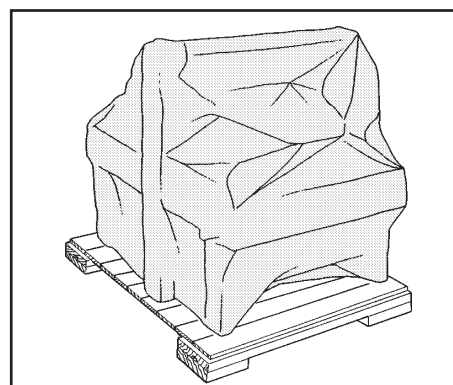
5.2 PACKAGING FOR OVERSEAS SHIPMENT (OPTIONAL)

The machines shipped by sea freight are covered by an aluminum/polyester/ polythene bag which contains dehydrating salts.

5.3 SHIPMENT AND HANDLING OF THE UNPACKED MACHINE

The unpacked machine can only be moved short distances and indoors only.

The transportation of the machine without packaging may cause damage and accidents. In case it is necessary to relocate the machine, lift it with belts as shown in Picture.



MACHINE OVERALL DIMENSIONS

length 1240 mm.

width 940 mm.

height min. 1275; max. 2025 mm.

Weight kg 165

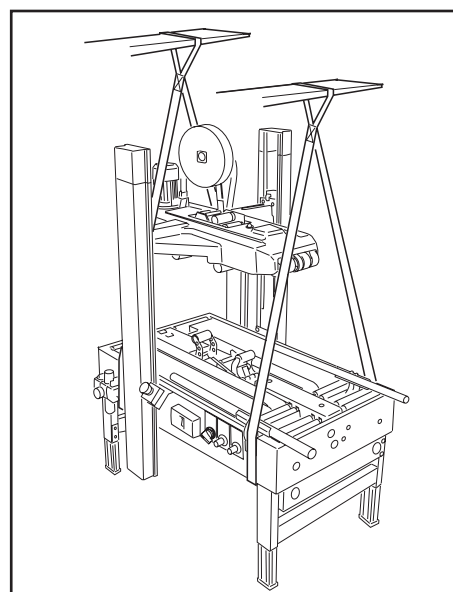
5.4 STORAGE OF THE PACKED OR UNPACKED MACHINE

If the machine is left inactive for a long period, please take the following precautions:

-store the machine in a dry and clean place;

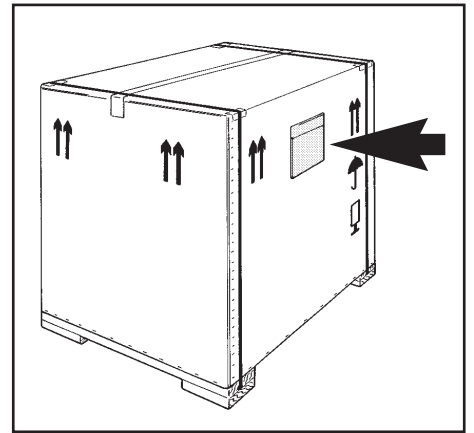
-if the machine is unpacked it is necessary to protect it from the dust and do not stack anything over the machine;

-it is possible to stack a maximum of 2 machines, if they are in their original packing.

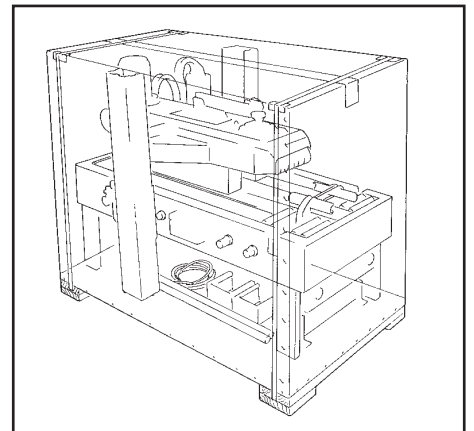


6-UNPACKING

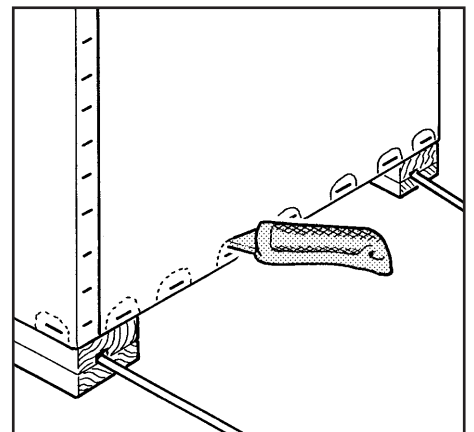
- 6.1 The envelope attached to the external side of the packing case contains the instructions concerning the unpacking of the machine.



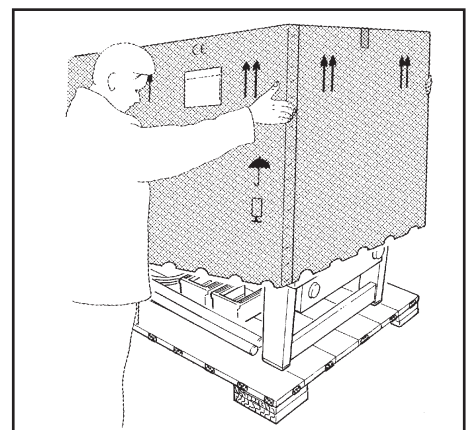
Machine layout inside the packing.



Cut the polypropylene straps. Use a cutter to remove the part of the case stapled to the pallet around the entire perimeter of the case. (Or remove the staples by using a suitable tool).

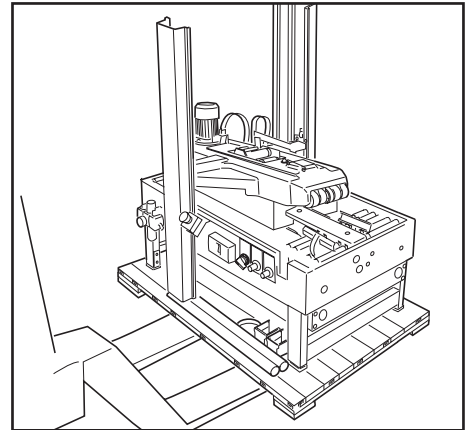


After having cut the carton or removed the straps, lift the case to free the machine. (2 persons).

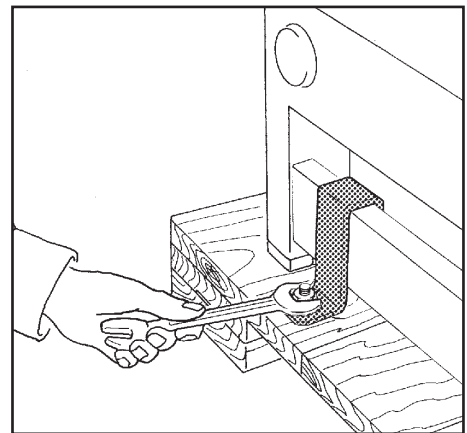


6-UNPACKING

Use a forktruck to carry the machine to its working location.
(Weight of machine + pallet = Kg. 185)



Unscrew the nuts and remove the brackets which fix the machine to the pallet.



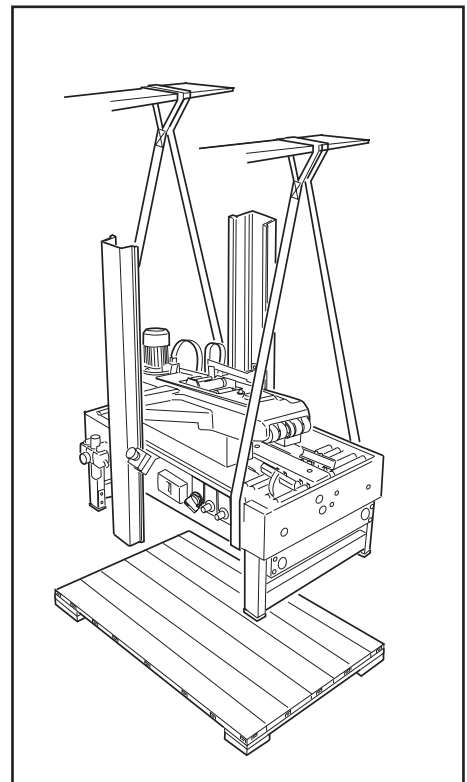
Uplift the machine by using belts or ropes. Pay attention to place the belts in the points shown in Picture and remove the wooden pallet (Machine weight 165 kg).

6.2 PACKAGING DISPOSAL

The packaging of the machine Mod. SR46-S is composed of:

- wooden pallet
- cardboard box
- steel fixing brackets
- polythene foam protection
- plastic straps (PP)
- clay dehydrating pouches (only for seafreight shipments)
- aluminum/polyester/polythene bag (only for seafreight shipments)

For the disposal of these materials please follow the provisions of the law in your country.



7-INSTALLATION

7.0 SAFETY MEASURES

(Read section 3 carefully).

7.1 ENVIRONMENTAL CONDITIONS REQUIRED

- Min. temperature = 5 °C; Max. temperature = 40 °C
- Min. humidity 30%; Max. humidity 80%
- Dust-free environment

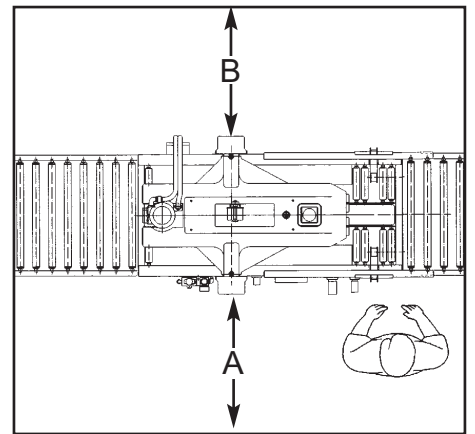
7.2 SPACE REQUIRED FOR OPERATION AND MAINTENANCE

Min. distance from the wall:

A = 1000 mm.

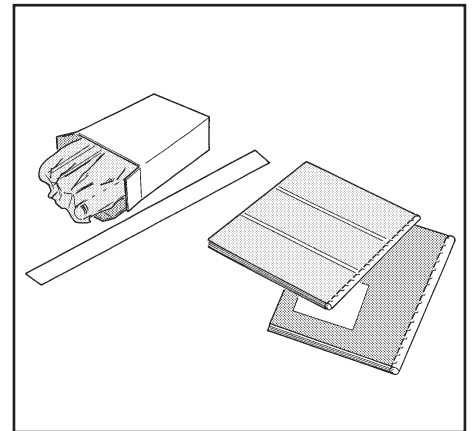
B = 700 mm.

Min. height = **2500 mm.**



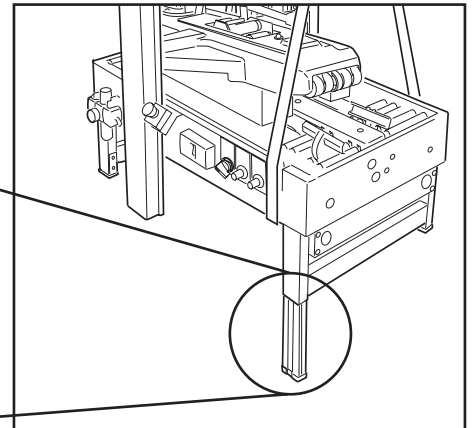
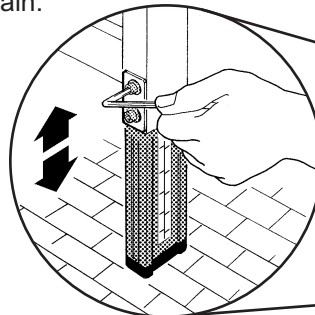
7.3 SPARE PARTS AND THREADING TOOL FOR TAPING HEADS SUPPLIED WITH THE MACHINE

For a detailed description see section 13.1.



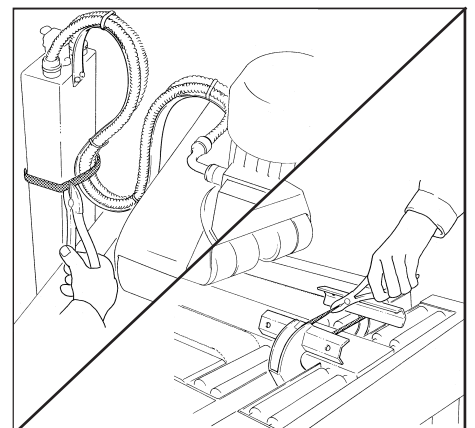
7.4 MACHINE POSITIONING - PIAZZAMENTO

Lift the machine as shown in Picture Unlock the screws and take the legs out looking for the desired conveyor bed height on the graduated label. Then lock the screws again.



7.5 LOCKS REMOVAL

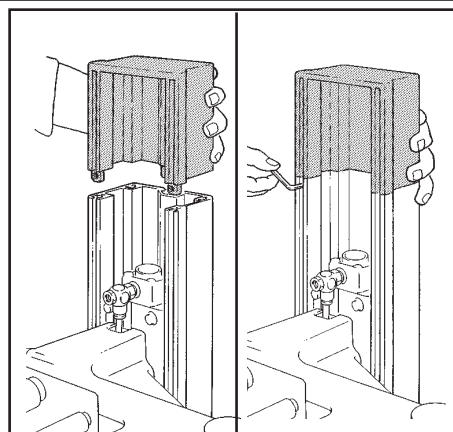
Cut the strap that keeps the centering levers as well as the strap that keeps the wires flexible conduits.



7-INSTALLATION

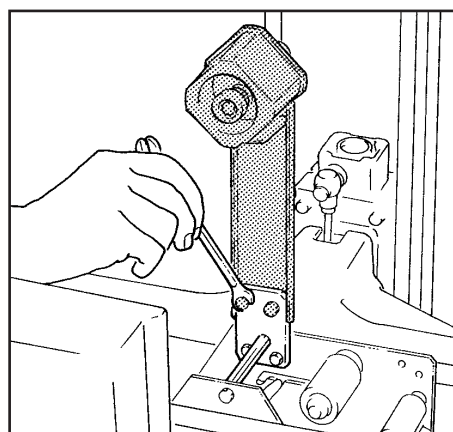
7.6 POSITIONING OF COLUMNS GUARDS

Install the columns guards as shown on Picture.



.7 POSITIONING OF THE TAPE HOLDER

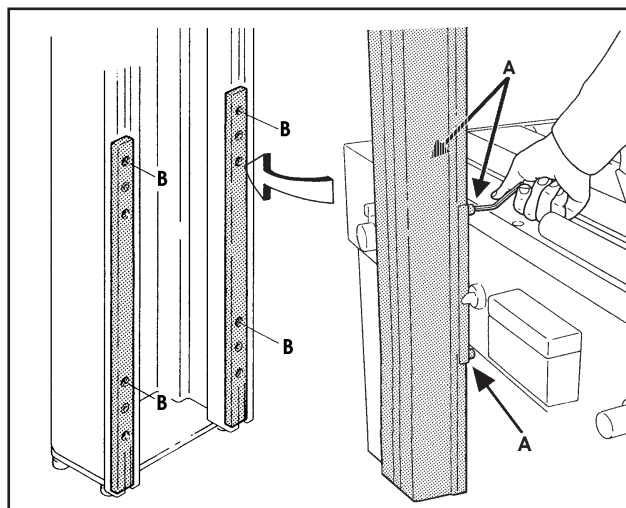
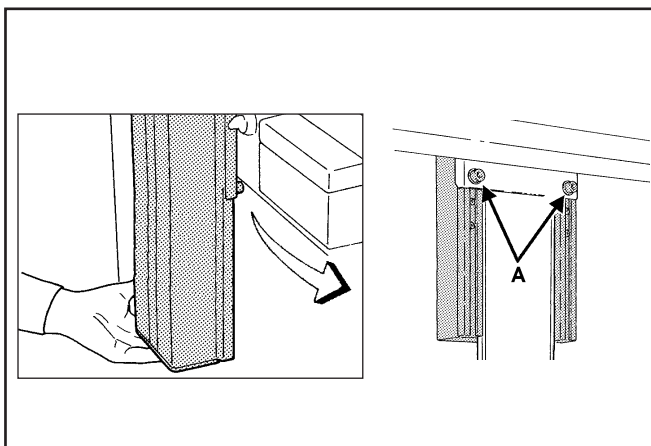
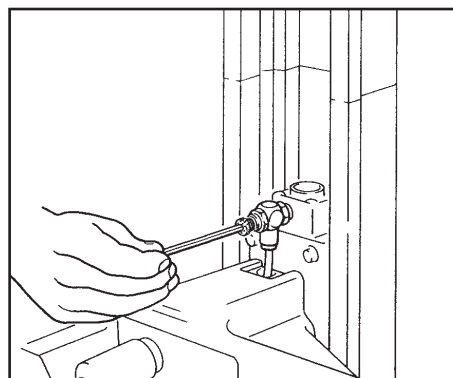
Take away the screws that hold the core holder bracket to the machine. Position the bracket as shown on Picture and lock the screws previously removed.



7.8 POSITIONING OF THE COLUMNS

Loosen the cap of the air cylinder.

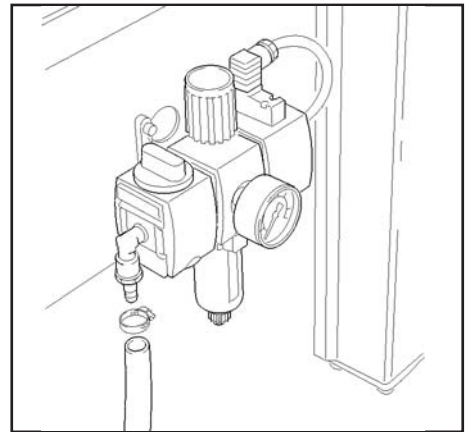
Keep the column with one hand and take the two screws **A** away. Push upward the column so to position it near holes **B**. Take the other two screws supplied with the spare parts kit and fix the column (four screws each column).



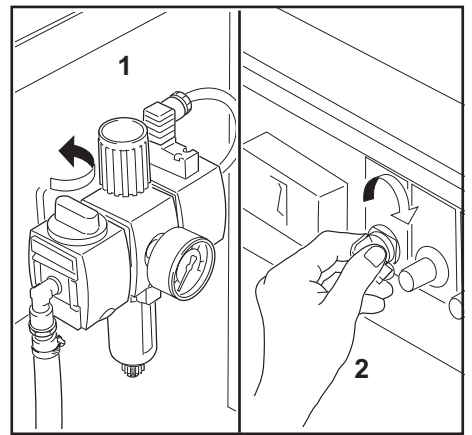
7-INSTALLATION

7.9 PNEUMATIC CONNECTION

Connect a 8 mm diameter hose to the plug and fix it by the supplied clamp.

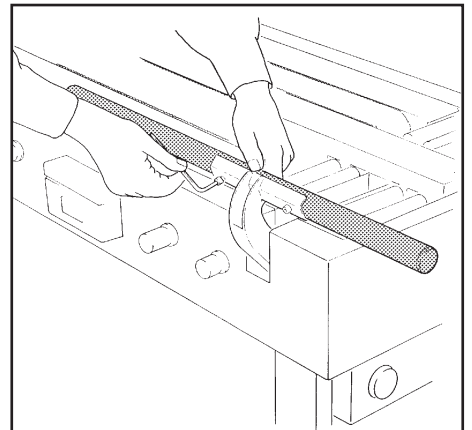


Activate the pneumatic circuit by turning counterclockwise knob **1** and raise the upper head by turning clockwise selector **2**. Remove the polystyrene blocks.



7.10 POSITIONING OF THE SIDE GUIDES

Mount the side guides on the centering levers as shown on Picture.



7.11 PRELIMINARY ELECTRIC CHECK-OUT

Before connecting the machine to the mains please carry out the following operations:

7.11.1 Make sure that the socket is provided with a ground protection circuit and that both the mains voltage and the frequency match the specifications on the machine plate.

7.11.2 Check that the connection of the machine to the mains meets the safety regulations in your country.

7.11.3 The machine is fitted with a main switch having a maximum breaking power of 6 kA and a short-circuit breaker pre-set at 120 A.

The user will be responsible of testing the short-circuit current in its facility and should check that the short-circuit amperage setting on the main switch of the machine is compatible with all the components of the mains system.

7-INSTALLATION

7.12 MACHINE CONNECTION TO THE MAINS AND CHECK-OUT

Power supply = 0,240 kW

Maximum breaking power of the main switch = 6 kA (230/400 V)

For technical features of the main switch: see section **15-ENCLOSURES**.

-Push the LOCKABLE EMERGENCY STOP BUTTON

-The magnetothermic main switch is normally turned OFF.

-Connect the cable supplied with the machine to a plug which complies with the safety regulations of your country.

7.13 CHECK-OUT OF PHASES (FOR THREE-PHASE MAINS ONLY)

Procedure to be followed in order to connect correctly the position of the phases:

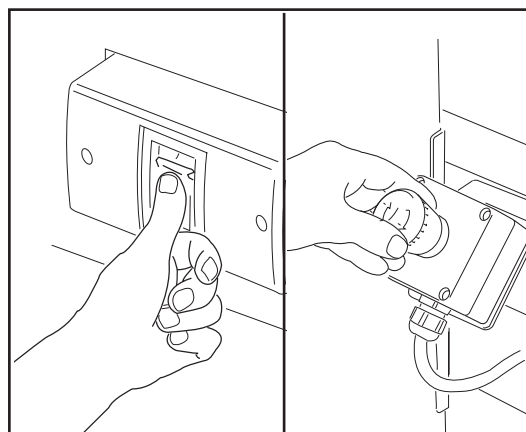
-Remove any tools from the conveyor bed.

-Release the lockable emergency stop button turning it clockwise.

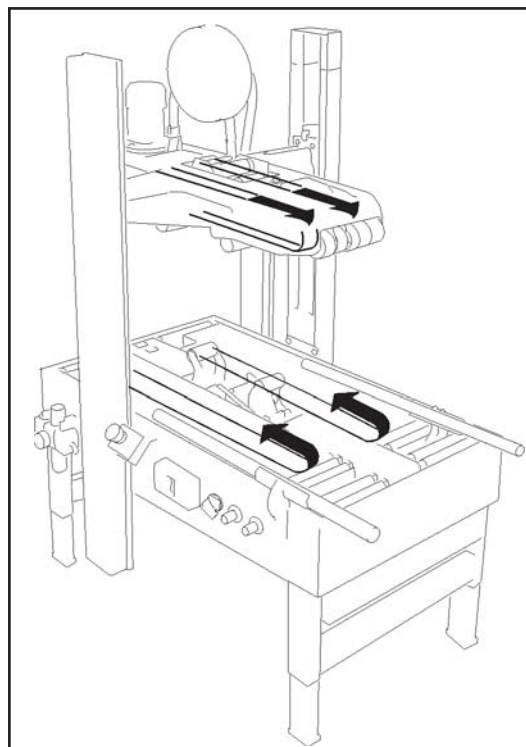
-Push button ON of the main switch.

-Check the rotation direction of the side drive belts.

-In case they rotate in the wrong way, please reverse 2 phases on the plug.



Correct rotation direction of the side drive belts.

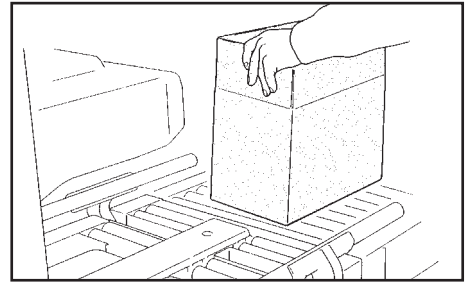


-THEORY OF OPERATION

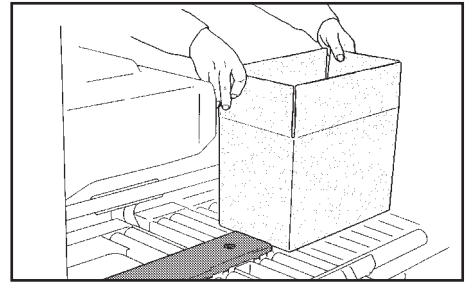
8.1 DESCRIPTION OF THE WORKING CYCLE

Fold manually the four lower flaps of the box.

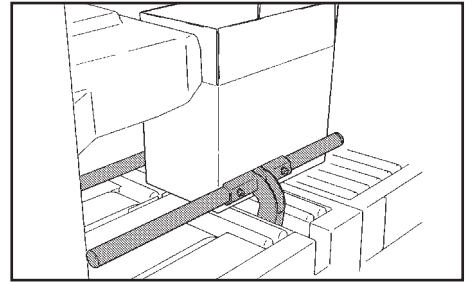
Position the box, keeping the lower flaps folded, on the centering unit.



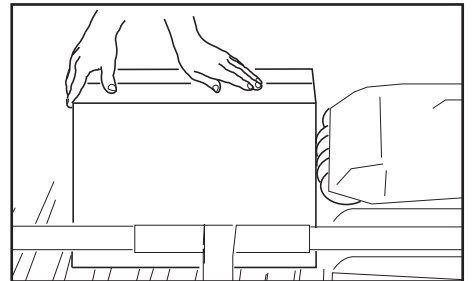
Keeping the box with the hands, make it advance until it presses the lever. This will approach the side guides to the box.



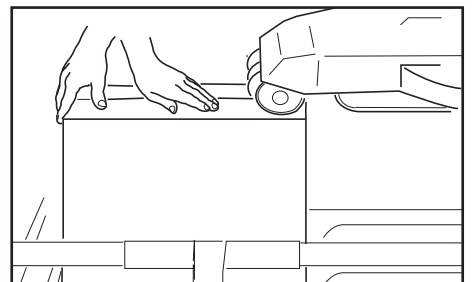
The side guides block the box on the centering unit, so that it can be filled without being hold with the hands.



After the filling fold the upper flaps and push the box against the lever which will start the uplifting of the taping unit.



Let the box pass through the machine up to reach the lower driving belts



8.2 OPERATING MODES

The case sealer Mod. SR46-S has only one automatic working mode, with:

- The EMERGENCY STOP BUTTON unlocked
- The start button pushed ON
- Pneumatic circuit activated.

8.3 HOW TO STOP THE MACHINE

8.3.1 NORMAL STOP PROCEDURE

When the main switch is turned OFF, the machine stops immediately at any point of the working cycle.

The same thing happens in case of electric black-out or when the machine is disconnected from the mains.

Air pressure remains ON.

8.3.2 EMERGENCY STOP

The lockable button for emergency stop is located on the infeed side of the top head.

(This part is not produced by the machine manufacturer. For its technical specifications see section **15-ENCLOSURES**).

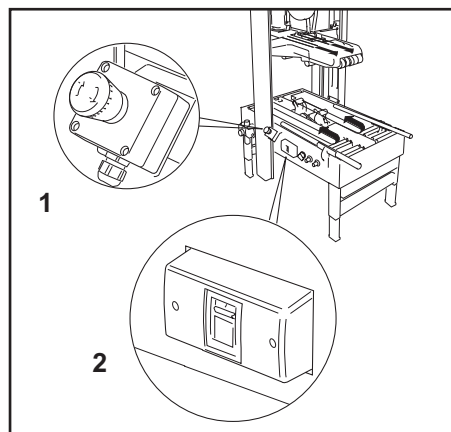
9-CONTROLS IN BRIEF

9.1 START/STOP BUTTON (2)

It starts/stops the box drive belts.

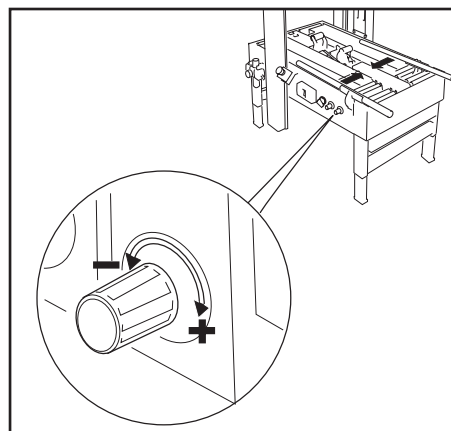
EMERGENCY STOP BUTTON (1)

It stops the machine cycle.



9.2 SIDE GUIDE PRESSURE ADJUSTMENT KNOB

It adjusts the pressure of side guides against the box.

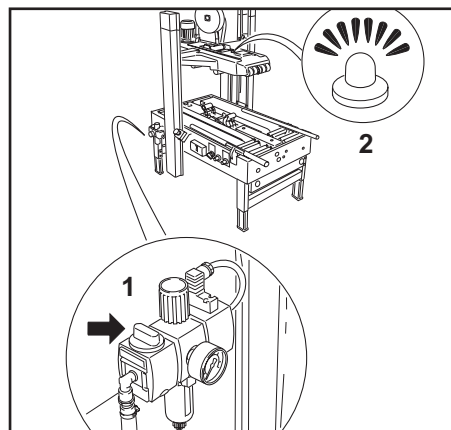


9.3 FEEDING VALVE FOR THE PNEUMATIC CIRCUIT (1)

Activates/desactivates the pneumatic installation.

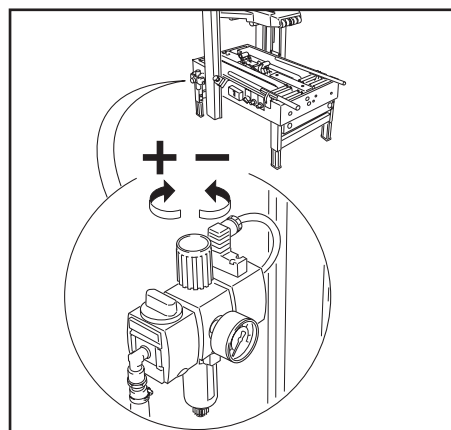
AIR PRESSURE INDICATOR (2)

Shows the air presence in the circuit (red indicator is up).



9.4 MANOPOLA REGOLAZIONE PRESSIONE IMPIANTO PNEUMATICO

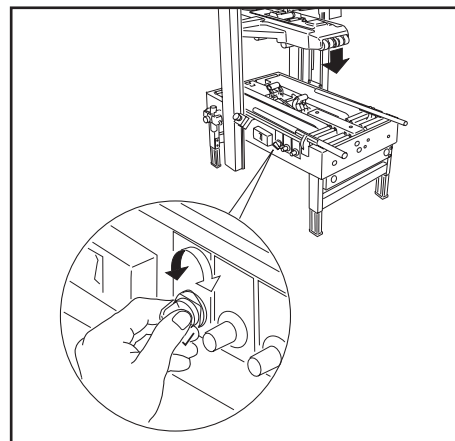
Aumenta / diminuisce la pressione nel circuito.



9-CONTROLS IN BRIEF

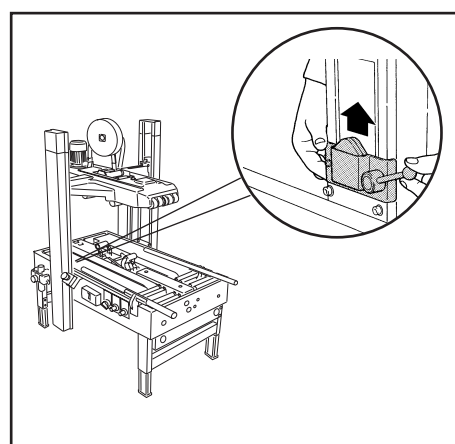
9.5 UP/DOWN SELECTOR

Raises or lowers the upper head assembly.



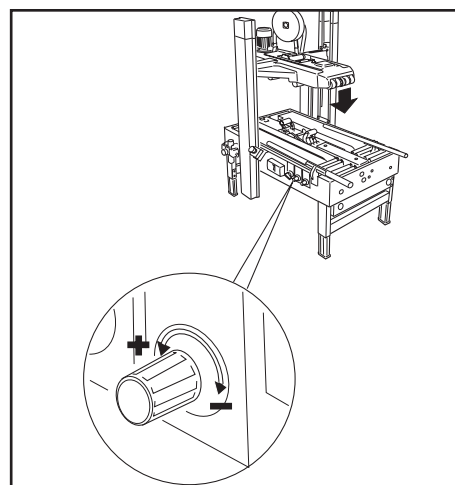
9.6 UPPER HEAD HEIGHT BLOCK

Is used to lock the upper head assembly according to the minimum box height.



9.7 UPPER HEAD PRESSURE ADJUSTMENT KNOB

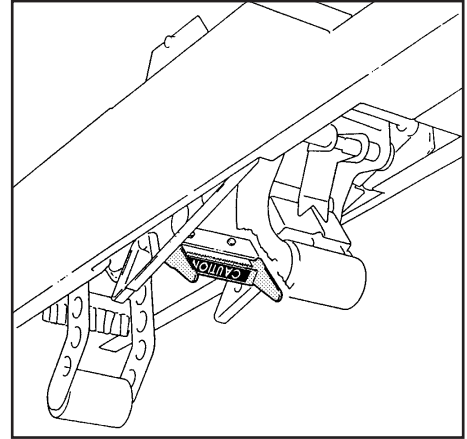
Increases / decreases the weight of the upper head assembly on the box.



10-SAFETY DEVICES OF THE MACHINE

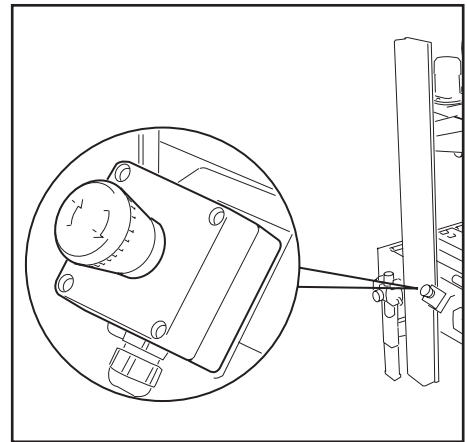
10.1 BLADE GUARDS

Both the top and bottom taping units have a blade guard.



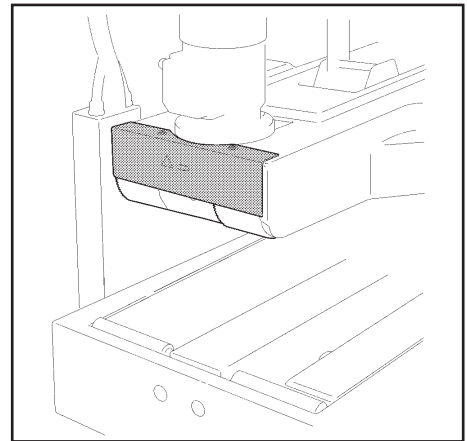
10.2 EMERGENCY STOP BUTTON

The lockable emergency stop button is placed in handy position.



10.3 METAL SAFETY GUARD

Safety guard of the top driving belts.



10.4 ELECTRIC SYSTEM

The electric system is protected by a ground wire whose continuity has been factory- tested during the electrical test. The system is also subject to insulation and dielectric strength tests.

(See section **ENCLOSURES 15.5**)

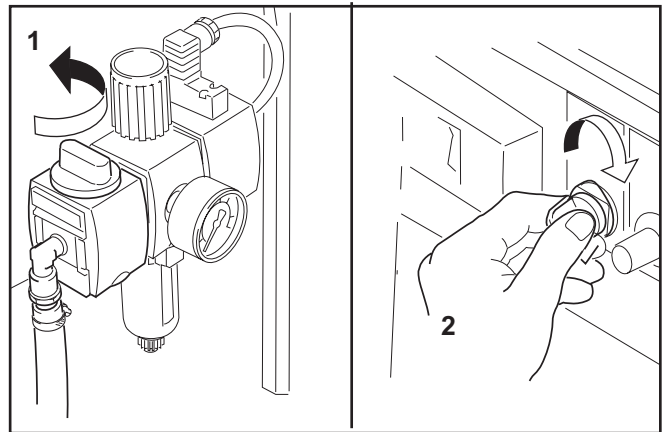
11-SET-UP AND ADJUSTMENTS

11.0 SAFETY

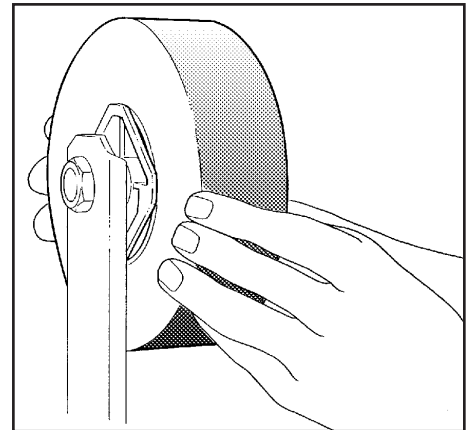
All the set-up operations and adjustments must be carried out when the machine is stopped and the EMERGENCY STOP BUTTON is locked.

11.1 TAPE LOADING ON THE TOP UNIT

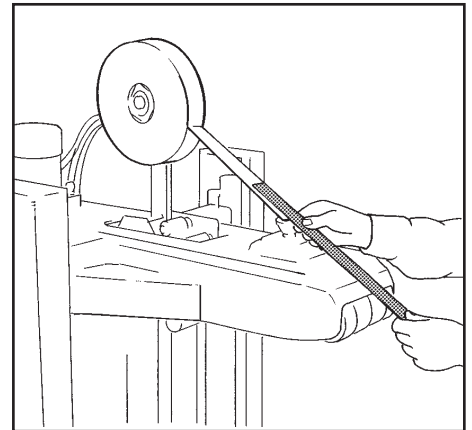
Turn the knob **1** to activate the pneumatic circuit and raise the upper head assembly by turning clockwise the selector **2**.



Insert a tape roll on the drum and push it fully forward.



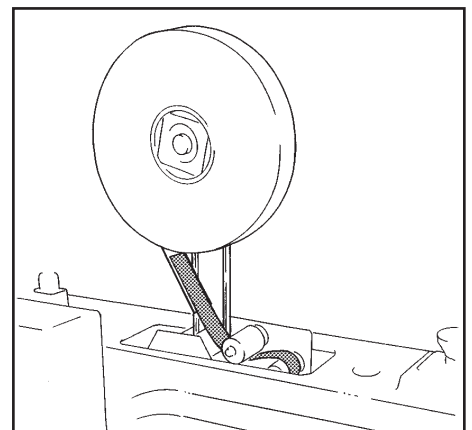
Attach the tape leg to the threading tool (supplied with the tools kit).



WARNING! Very sharp blade. It may cause serious injuries.

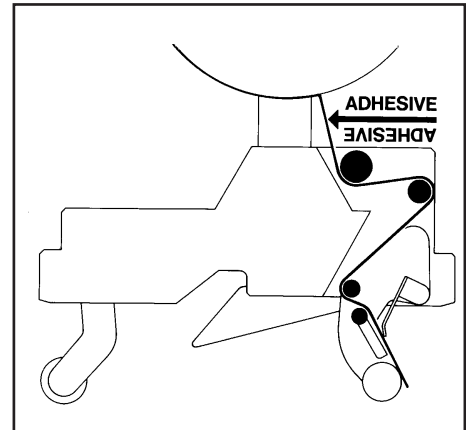


Insert the plastic threading leader through the taping unit. Take care to keep hands away from the tape cutting blades. (see section 3.11-g).

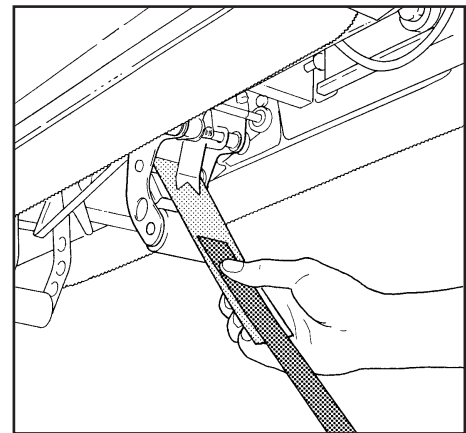
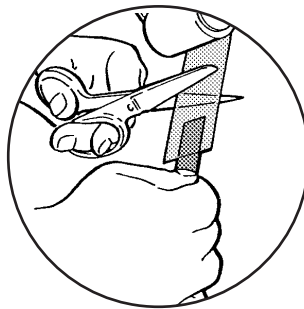


11-SET-UP AND ADJUSTMENTS

Follow the path through the unit as shown on Picture and make sure that the adhesive side is placed on the correct side.

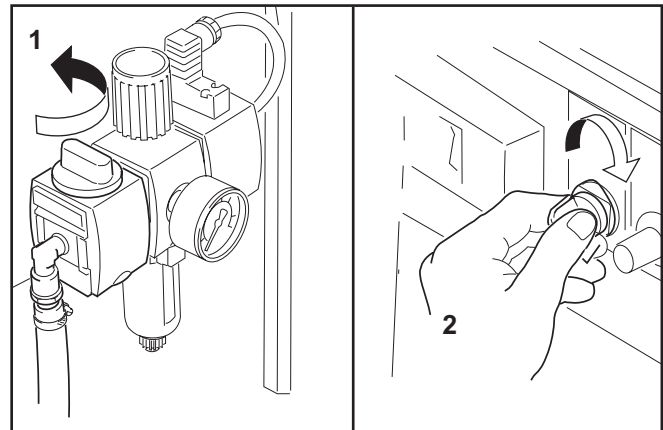


Pull and cut off the tape in excess.

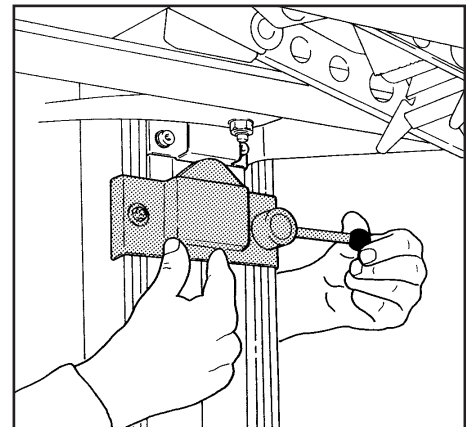


11.2 TAPE LOADING ON THE BOTTOM UNIT

Turn the knob **1** to activate the pneumatic circuit and raise the upper head assembly by turning clockwise the selector **2**.

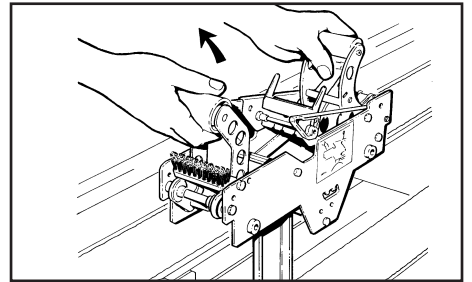


Lift the lock against the upper taping head and clamp it with the lever. Once the tape has been replaced, bring the lock at its original position.

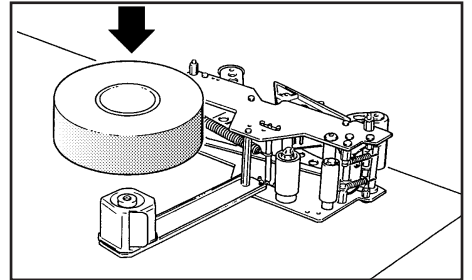


11-SET-UP AND ADJUSTMENTS

Remove the bottom taping unit from its housing and put it on a working bench.



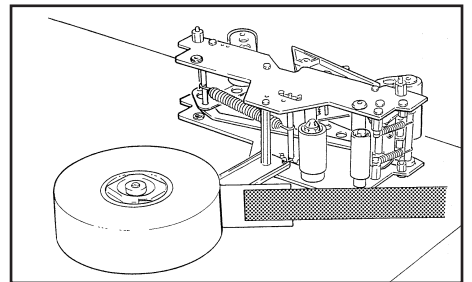
Put a tape roll on the drum.



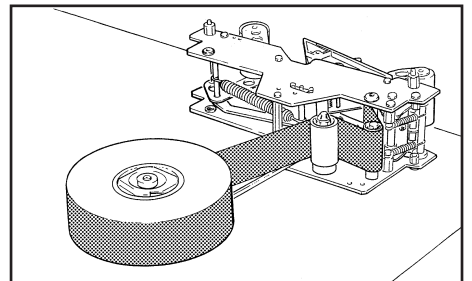
WARNING! Very sharp blade. It may cause serious injuries.



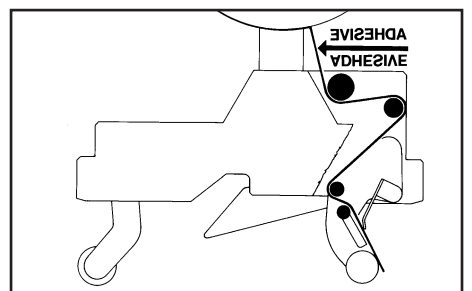
. Attach the tape leg to the threading tool (supplied with the tools kit).



Insert the plastic threading leader through the taping unit. Take care to keep hands away from the tape cutting blades. (see section 3.11-g).

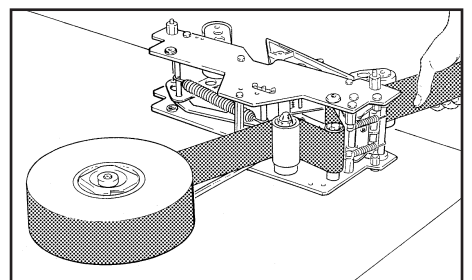
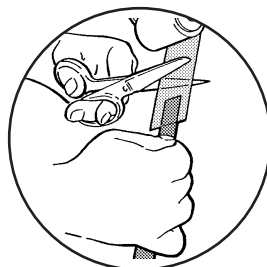


Follow the path through the unit as shown on Picture and make sure that the adhesive side is placed on the correct side.




Pull and cut off the excess tape.

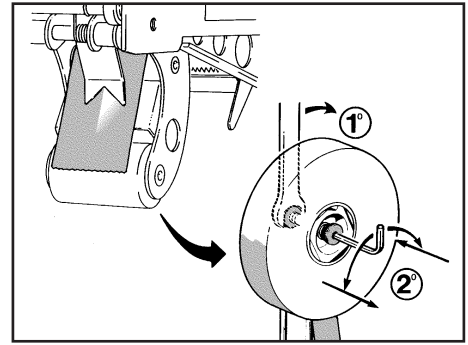
Put again the taping head into its seat..




11-SET-UP AND ADJUSTMENTS

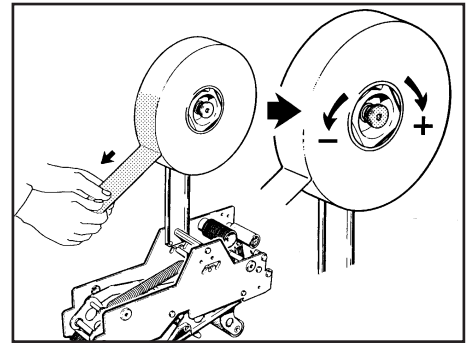
11.3 TAPE DRUM ALIGNMENT

-  Check the centering of the tape on the rollers of the taping unit.
If needed, unlock bolt 1 and adjust screw 2.




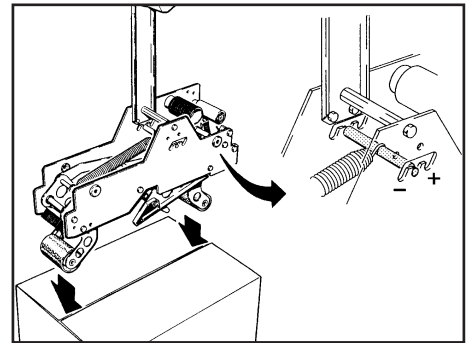
11.4 TAPE DRUM FRICTION BRAKE ADJUSTMENT

-  Check the tape tension:
- with PVC tape the drum must be free
- with OPP tape the drum must be slightly frictioned




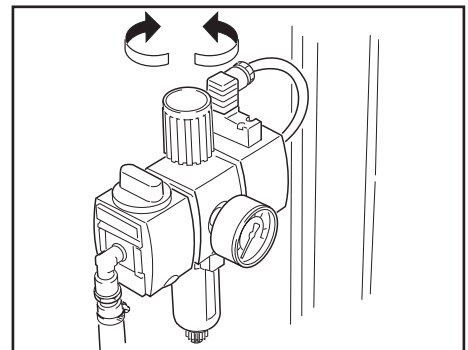
11.5 ADJUSTMENT OF TAPING UNITS ACCORDING TO THE TYPE OF BOXES

-  Adjust the main spring:
- decrease the spring load for lightcardboard cases;
- increase the spring load for robustcardboard cases.




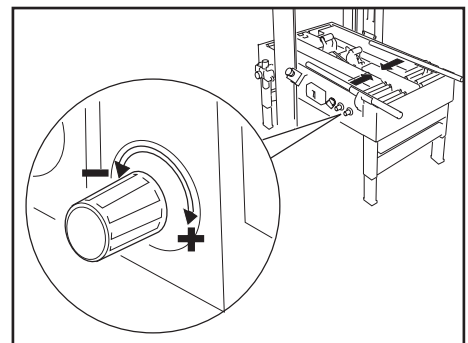
11.6 AIR PRESSURE REGULATOR

-  Adjust air pressure according to the cardboard thickness.
Max pressure 6 Bar.




11.7 SIDE GUIDE PRESSURE

-  Decrease the pressure, for light cardboard cases.
Increase the pressure for robust cardboard case




11-SET-UP AND ADJUSTMENTS

11.8 UPPER HEAD PRESSURE

-  Adjust the pressure of the upper taping unit on the box. Decrease or increase the air pressure according to the box weight.

11.9 ADJUSTMENT OF THE UPPER HEAD DESCENT SPEED

-  In normal working conditions the upper head comes down up to the minimum height of 110 mm at the end of each sealing cycle.

It is possible to set a limit for the descent when:

- boxes of different size have to be sealed and the minimum height is known.
- a batch of boxes of uniform size has to be sealed and the production speed-up is required.

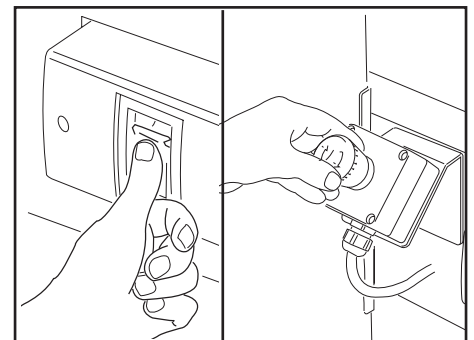
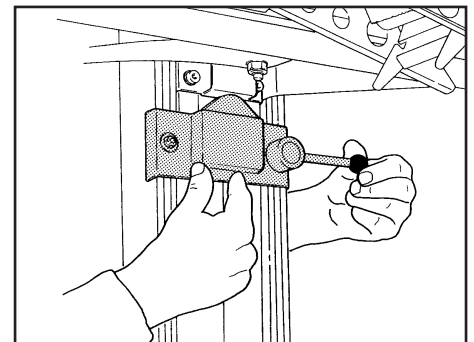
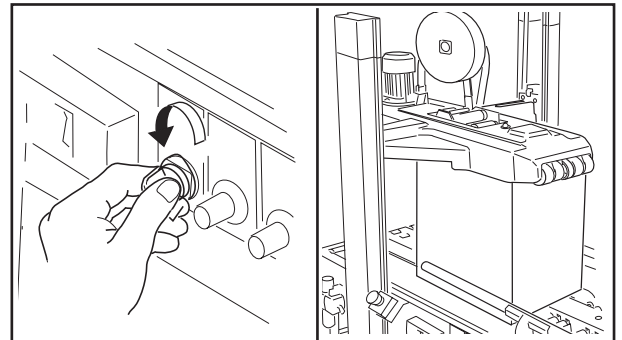
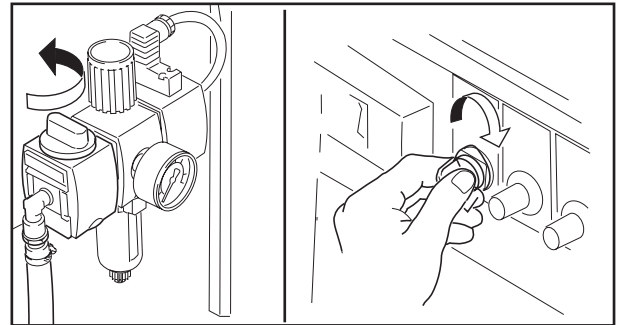
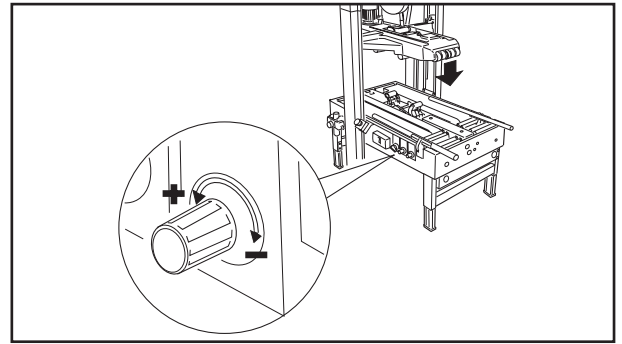
To adjust the minimum height of the upper head do as follows:

Turn the selector clockwise to raise the upper head assembly.

Insert the box to be sealed and rotate anticlockwise the selector to allow the upper head to come down on the box.

Bring the height stop against the upper assembly and lock it with the proper handle.

Turn clockwise the EMERGENCY STOP and press the ON button. The box will be dragged by the top and bottom belts, sealed and then driven out of the machine.

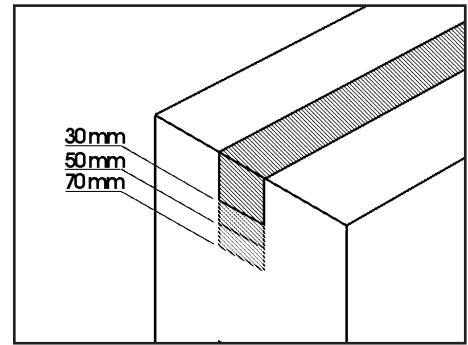


11-SET-UP AND ADJUSTMENTS

SPECIAL ADJUSTMENTS

11.10 CHANGE OF THE TAPE LEG LENGTH

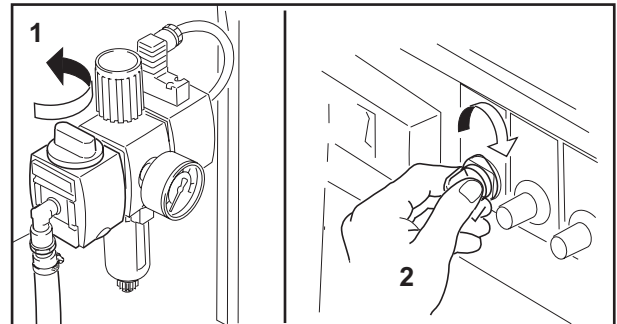
The tape leg length can vary from 70 to 50 to 30 mm. To adjust the tape leg length refer to the manual of the K12 taping unit, supplied with the machine.



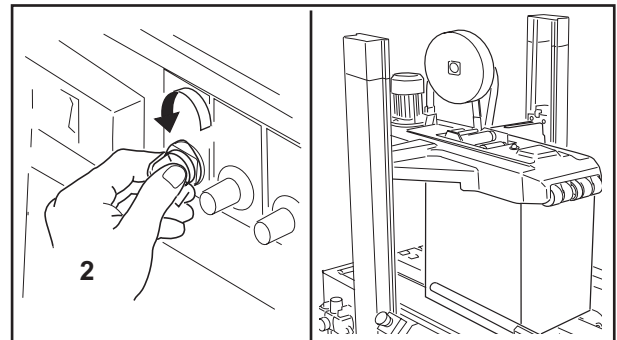
11.11 OUTER COLUMNS IN HIGH POSITION

To seal boxes higher than 750 mm it is necessary to raise the outer columns as follows:

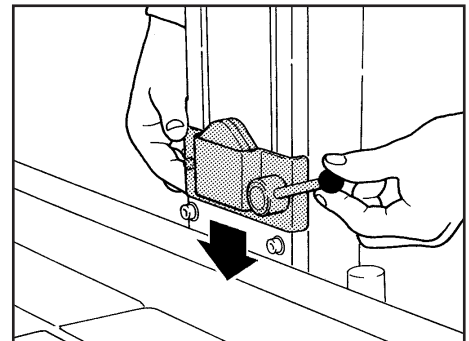
Activate the pneumatic circuit rotating anti-clockwise the knob **1** and lift the upper unit rotating clockwise the selector **2**.



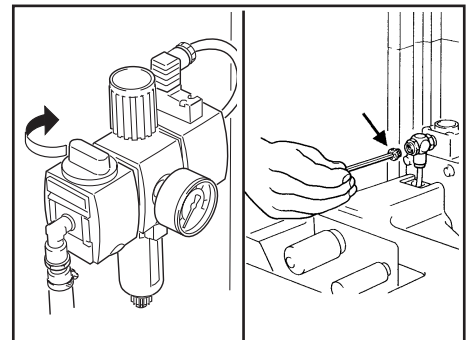
Insert under the upper head assembly a strong case or wooden box, rigid enough to support 45 kg, and approximately 450 mm high. Turn counter-clockwise the selector **2** so that the upper unit leans on the support.



Release the upper head stop and move it fully down.



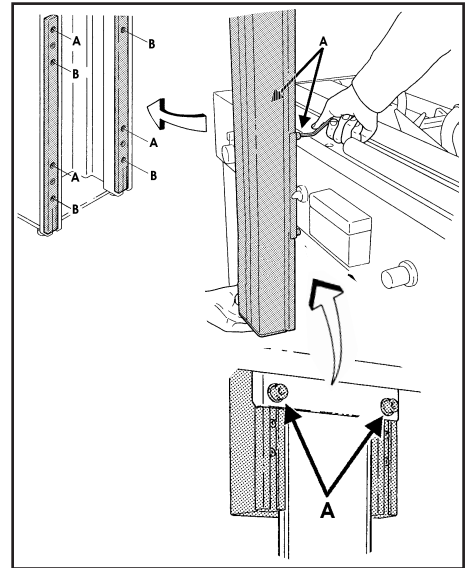
Cut the air pressure, rotating the knob clockwise. Remove the air circuit cap. So that all the air in the circuit comes out. Put the cap again in place.



11-SET-UP AND ADJUSTMENTS

Keep the outer column with one hand and remove the four screws **A** with the other hand; push the column up until it reaches the holes **B**. Reassemble and tighten the four screws.

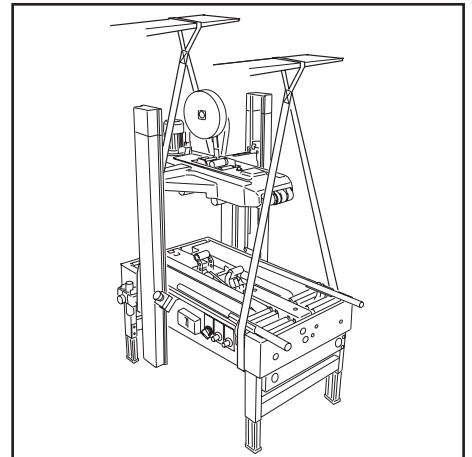
Put the pneumatic installation back into work.



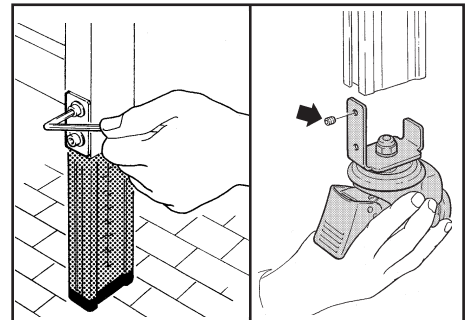
11.12 AS77 CASTERS (OPTIONAL) (code nr. 7.8.04337.00B)

To make easier the machine displacement, it is possible to fit the optional casters. Doing this, the conveyor bed height and the machine overall dimensions change (see section 4.7).

Lift the machine as shown on Picture.



Remove the pad-feet, insert the casters fixing them with the two dowels and set the desired conveyor bed height (refer to the graduated leg label). (Caster height = 100 mm-4 inch).

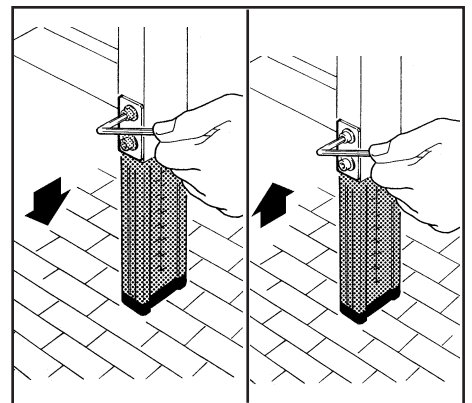


11.13 AS80 LEGS (OPTIONAL) (Kit code nr. 7.8.04413.00A)

To obtain a higher range of conveyor bed height as indicated at section 4.7, it is necessary to replace the inner legs with the longer AS80 legs.

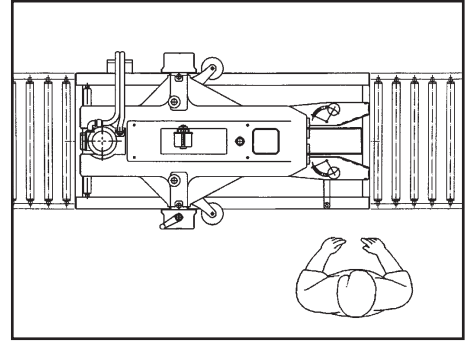
Uplift the machine as shown on Picture.

Unlock the screws and take out the legs. Insert the new legs and block them at the desired height.



12-OPERATION

12.1 OPERATOR'S CORRECT WORKING POSITION



12.2 STARTING THE MACHINE

Push the main switch ON.

12.3 STARTING PRODUCTION

After having adjusted the machine according to the box dimensions (height-width), let the machine idle for a while and check its safety devices (see section 12.8). Then start the working cycle.

12.4 TAPE REPLACEMENT

Be careful with the blades !

Skill 1 operator



When needed, replace the tape roll, as follows:

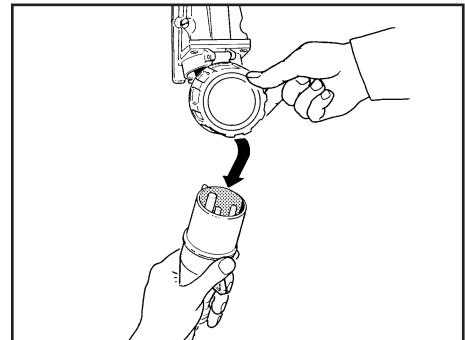
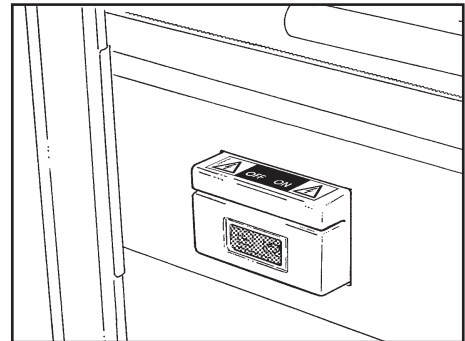
- Press the LOCKABLE EMERGENCY STOP BUTTON;
- Repeat all the operations shown in sections 11.1 and/or 11.2

12.5 CLEANING

Before carrying out any cleaning or maintenance operation stop the machine by pressing the OFF button on the main switch.



Disconnect the electric power.

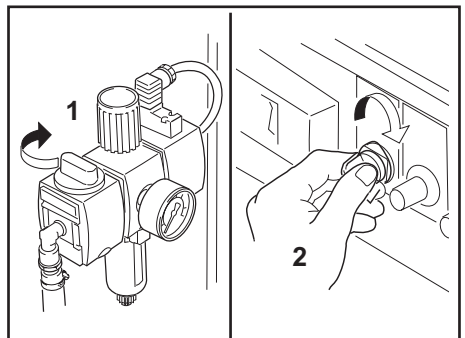


Activate the pneumatic circuit rotating counter-clockwise the knob 1 and lift the upper head assembly by rotating clockwise the selector 2. Lock the upper head with the height stop (see section 11.2).

CLEANING - Skill 1 operator

Use dry clothes or light detergents.

Do not use solvents or water jets.



12-OPERATION

12.6 TABLE OF ADJUSTMENTS

OPERATIONS	OPERATOR'S SKILL	SECTIONS
Tape loading	1	11.1 - 11.2
Tape alignment	1	11.3
Checkout of the safety devices	1	12.7
Adjustment of tape drum friction brake	1	11.4
Adjustment of the upper head descent speed	1	11.9
Adjustment of tape applying spring	1	11.5
Conveyor bed height adjustment	1	7.4
Air pressure	1	11.6
Special adjustment: Tape leg	2	11.10
Special adjustment: Outer column in high position	2	11.11

12.7 SAFETY DEVICES CHECKOUT

- 1 Taping units blade guard (section 10.1)
- 2 Lockable emergency stop button (section 10.1)
- 3 STOP (OFF) button on main switch (sections 7.11.3 and 9.1)

12.8 TROUBLE SHOOTING

TROUBLE	CAUSE	SOLUTION
When pressing the ON button, the machine does not start.	The lockable emergency stop button is pressed. Short circuit in the electrical system.	Release the emergency stop button by turning it anticlockwise. Check the electrical system.
The magnetothermic protection opens the main switch.	Motor under stress . Thermal cut-out not at correct amperage setting.	Check that the drive belts are not blocked Set the correct amperage.
The motor runs but the side drive belts stop.	Belts tension too low. Worn out drive pulleys.	Adjust belt tension. Check the wear of the rings and replace them when necessary.
Drive belts turn but do not convey the box. The upper taping head does not descend or descend too slowly quickly.	Worn out belts Rise/descent selector non activated. The manufacture setting-up has been altered.	Replace drive belts. Turn in anticlockwise direction. Set the air pressure.

13-MAINTENANCE AND REPAIRS

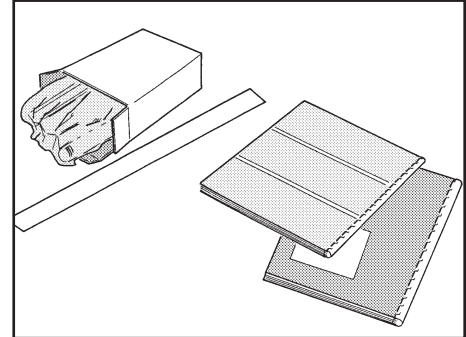
13.0 SAFETY MEASURES

(see section 3)

Carrying out maintenance and repairs may imply the necessity to work in dangerous situations. This machine has been designed making reference to the standards EN292 NOV. 92/6.1.2 and EN292/2 NOV. 92/5.3.

13.1 SPARE PARTS SUPPLIED WITH THE MACHINE

- 1 N.1 blade (spare blade for taping unit, cod. S4004152ZZZ);
N.1 lower head spring (cod. S370017992Z);
N.1 upper head spring (cod. S370017894Z);
N.2 cutter spring (cod. S37022794Z);
- 2 Tape threading tool (to feed the tape through the taping unit)
cod. S310091406Z
- 3 Instructions manual of the machine (cod. SMB00049K)
- 4 Instructions manual of the taping unit (cod. S300024296A0)



13.2 RECOMMENDED FREQUENCY OF CHECK-OUTS AND MAINTENANCE OPERATIONS

OPERATIONS	FREQUENCY	OPERATOR'S SKILL	SECTION
Lubrication	Quarterly	2	13.5-6-7
Blade cleaning	Weekly	2	13.8
Machine cleaning	Weekly	1	12.5
Checkout of safety devices	Daily	1	13.4
Blade replacement	//	2	13.9
Side drive belts replacement	//	2	13.10

13.3 CHECK-OUT TO BE PERFORMED BEFORE AND AFTER EVERY MAINTENANCE OPERATION

Before every maintenance operation press the OFF button on the main switch and disconnect the plug from the control panel.

During the maintenance operation only the operator responsible of this duty must work on the machine.

At the end of every maintenance operation check the safety devices.

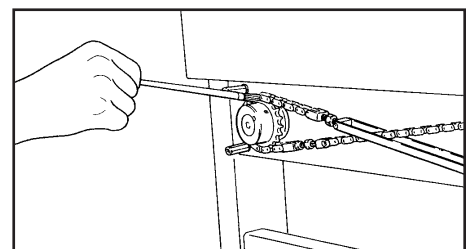
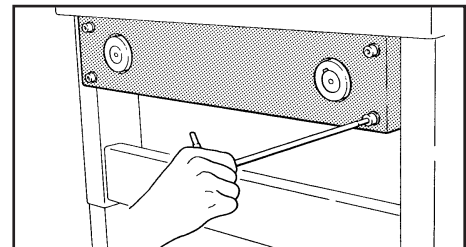
13.4 SAFETY DEVICES CHECK-OUT

- 1 Taping units blade guard (section 10.1)
- 2 Lockable emergency stop button (section 10.1)
- 3 STOP (OFF) button on main switch (sections 7.11.3 e 9.1)

13.5 MACHINE LUBRICATION

Take the cover away.

Lubricate the chain and the sprockets quarterly with grease metal/metal.



13-MAINTENANCE AND REPAIR

13.6 SUGGESTED PRODUCTS FOR LUBRICATION

GREASE TYPE:

METAL/METAL: B.C.190 HEAVY DUTY (otherwise grease for chains and bearings)

METAL/PLASTIC: PLATE MASTER M+L (molybdenum grease and PTFE for plastic and metallic materials)

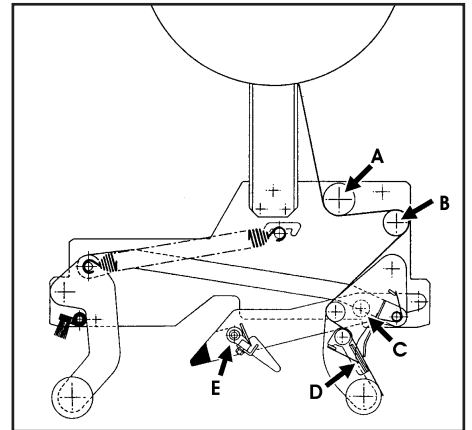
OIL TYPE:

regular lubricating oil or general purpose spray lubricant.

13.7 LUBRICATION OF THE TAPING UNIT

Lubricate monthly with oil the points shown on Picture.

- A spring holder pin
- B spring tension pin
- C roller shaft
- D cutter hinge
- E blade guard pin

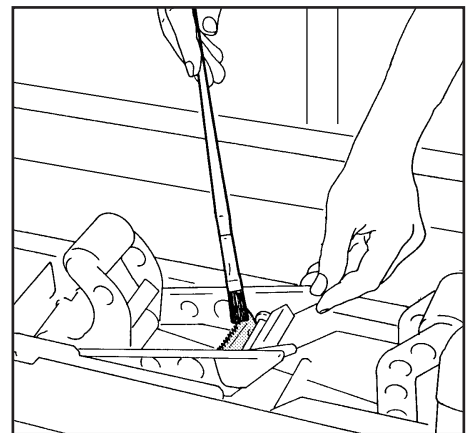


13.8 BLADE CLEANING



Skill 2 operator

Lift the blade guard and clean the blade by using a brush (with a long handle) and some oil. The oil prevents the adhesive clotting.



13.9 BLADE REPLACEMENT

Skill 2 operator

- Lift the blade guard as shown in Picture
- Release the screws.
- Remove the blade.

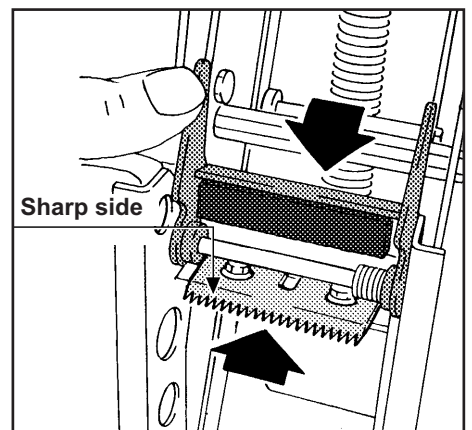
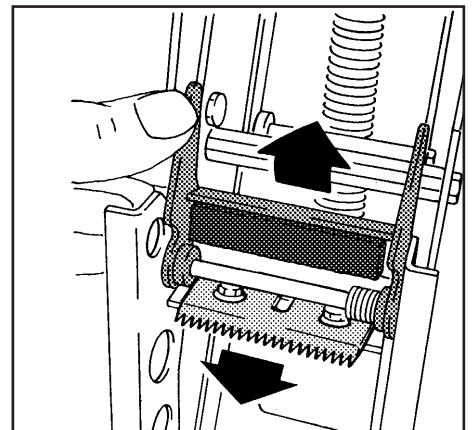
WARNING!

Very sharp blade.

Any error may lead to bad injuries.



- Insert the new blade paying attention to the position of its sharp side.
- Fix the screws.
- Release the guard..

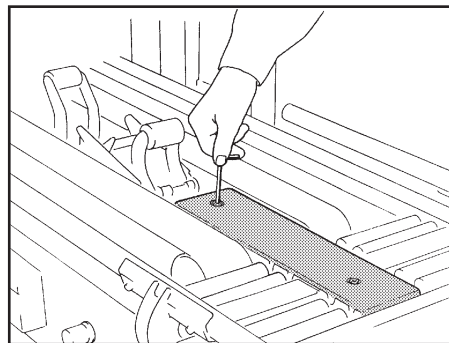


13-MAINTENANCE AND REPAIRS

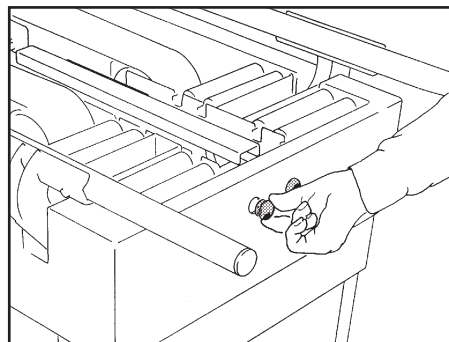
13.10 BOTTOM DRIVE BELTS REPLACEMENT

Skill 2 operator

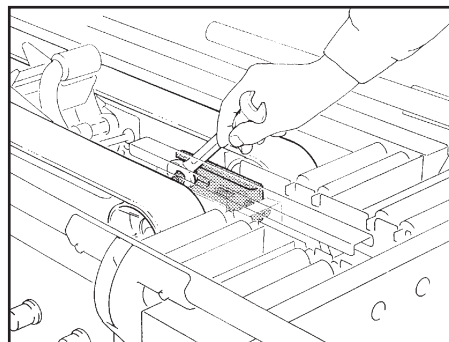
- Remove screws.
- Take the protection cover away.



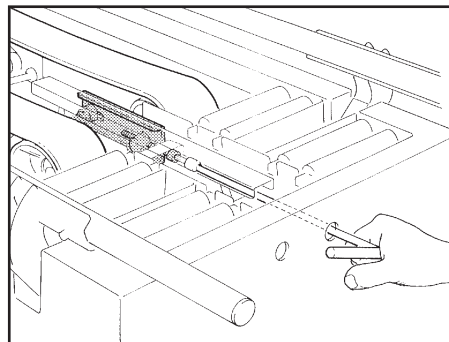
- Take the two caps away.



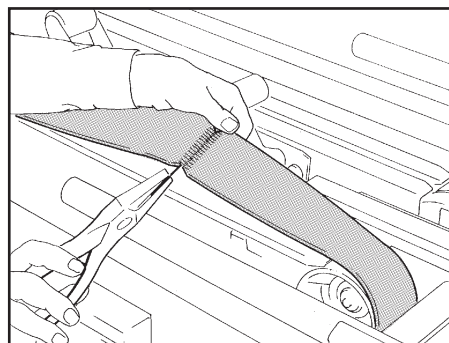
Loosen the locking nut.



Loosen the tensioning screw.



- Cut the worn belt.
- Position the new belt.
- Insert between the lace a nylon hinge.
- Adjust the belt tension.

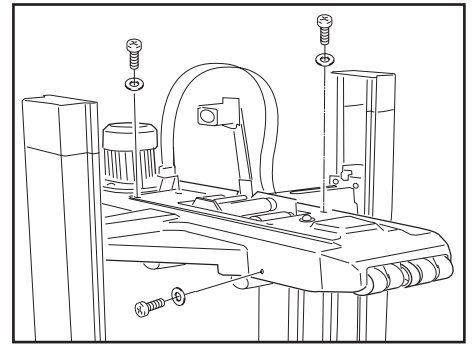


13-MAINTENANCE AND REPAIRS

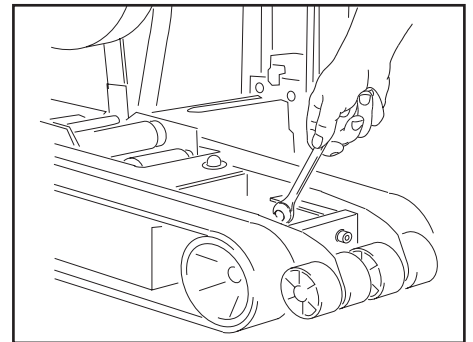
13.11 TOP DRIVE BELTS REPLACEMENT

Skill 2 operator

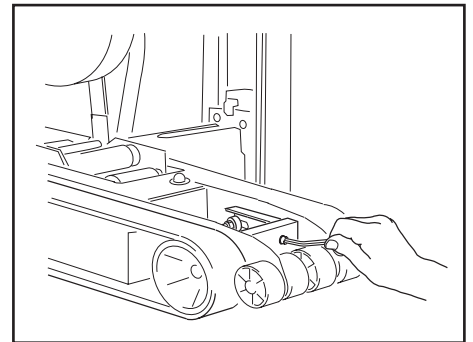
Remove the ten screws that hold the carter and take it out.



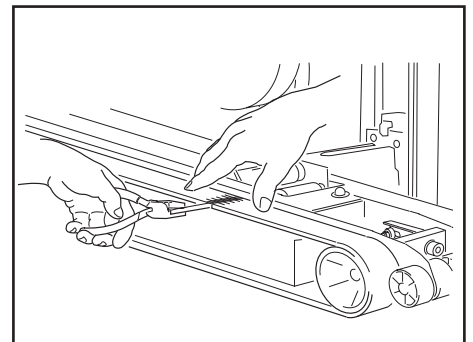
Loosen the locking nut.



Loosen the tensioning screw.

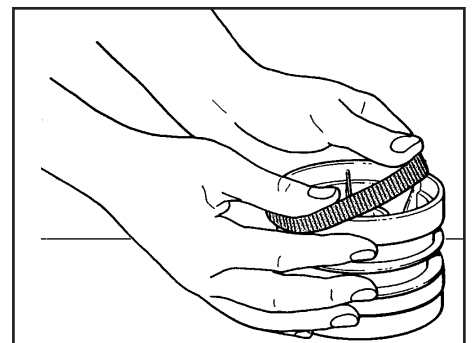


- Cut the worn belt.
- Position the new belt.
- Insert between the lace a nylon hinge.
- Adjust the belt tension.



WARNING!

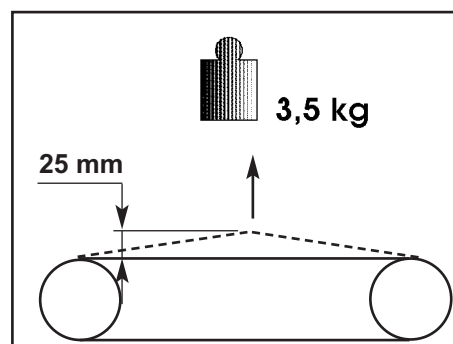
Before setting the new belt, check the wear of the orange plastic rings on the drive pulleys: replace them if they are worn out.



13-MAINTENANCE AND REPAIRS

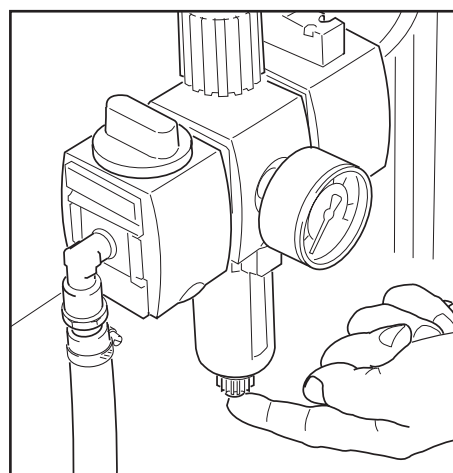
13.12 ADJUSTMENT OF THE BELTS TENSION

Check the tension of the belt by pulling it outwards in the middle.
A force of 3,5 kg should produce a gap of 25 mm (1 inch) between the belt and the frame



IMPORTANT!

Each time condensation accumulates in the filter, remove it by slightly pressing the bottom part of the cup as shown on Picture.



14-ADDITIONAL INSTRUCTIONS

14.1 INSTRUCTIONS FOR SCRAPPING AND DISPOSAL OF THE MACHINE

The machine is made of the following materials:

- steel frame
- nylon conveyor rollers
- PVC drive belts
- nylon pulleys

In order to dispose of the above materials please comply with the law in force in your country.

14.2 INSTRUCTIONS ON EMERGENCY SITUATIONS

ISTRUZIONI PER SITUAZIONI DI EMERGENZA

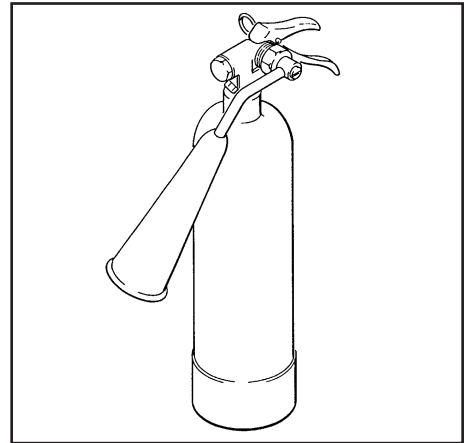
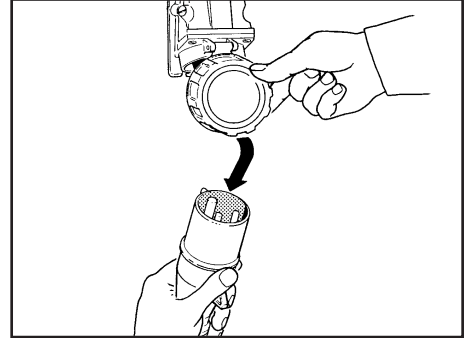
In case of danger/fire:

disconnect the electric power.

FIRE

In case of fire use an extinguisher containing CO₂.

DO NOT use water.



15-ENCLOSURES

15.1 STATEMENT OF CONFORMITY

to the Directives on Machinery EEC 98/37, 91/368, 93/44 and 93/68.

15.2 SAFETY LABELS

The safety labels are important for the correct use of the machine.

In case any label is damaged or removed, it is responsibility of the user to replace it immediately.

To order replacement labels, please refer to the article codes shown on **Figure 5709** in the spare parts catalogue.

15.3 EMISSIONS OF RADIATIONS, GAS, VAPOURS AND DUST

Nothing to report

15.4 ELECTRIC TESTS

Electric tests:

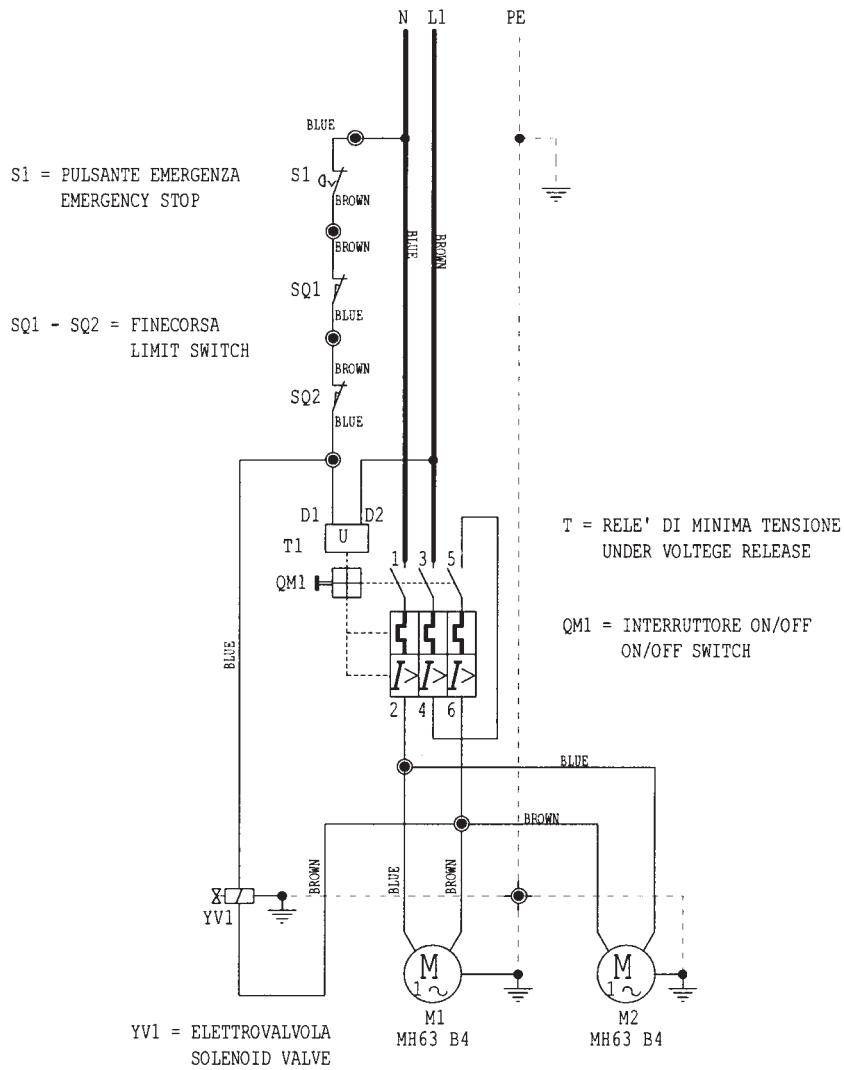
1 - Continuity of the ground circuit

2 - Insulation resistance

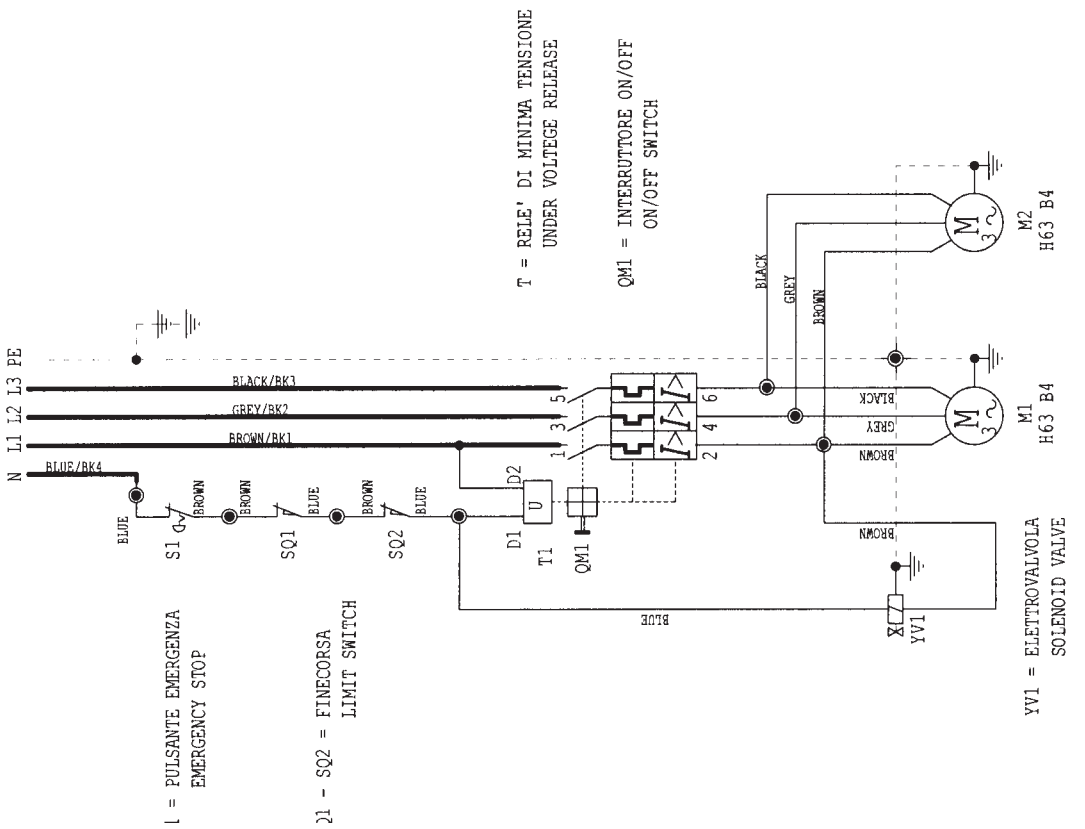
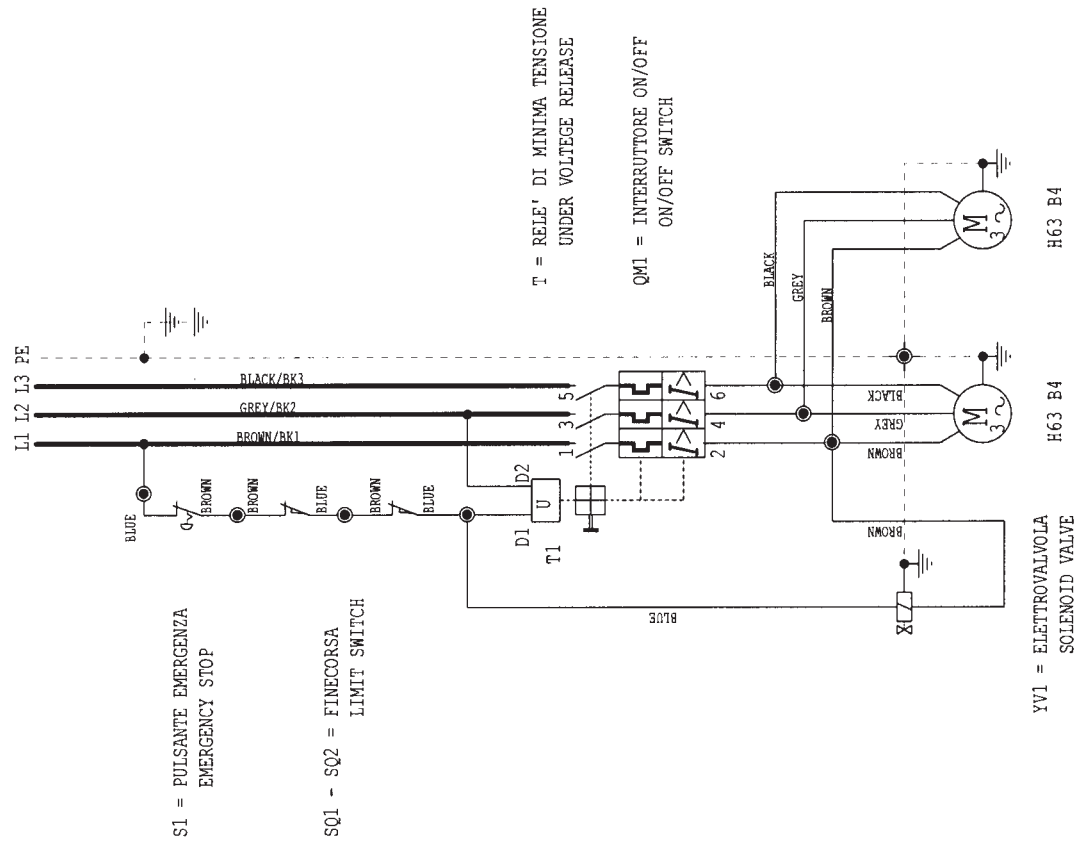
3 - High voltage insulation

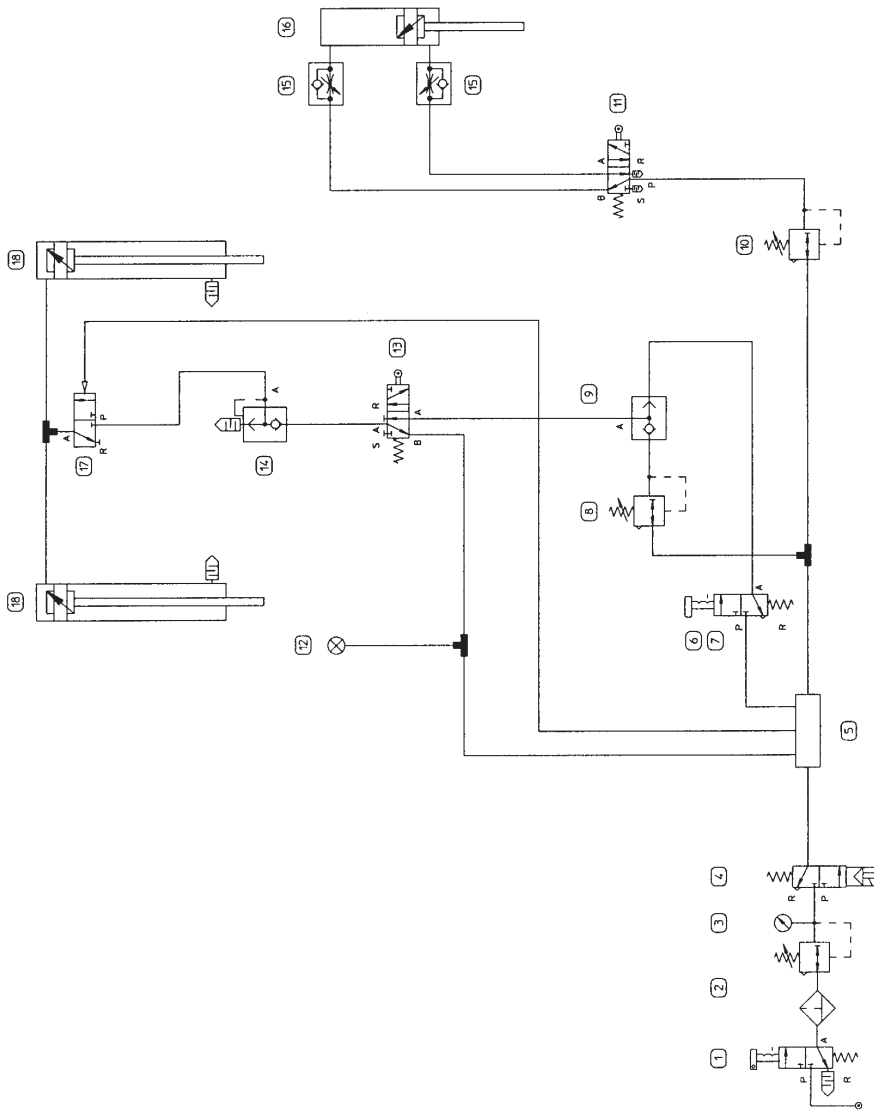
Reference: EN 60204-1 Section 20.2, 20.3, 20.4

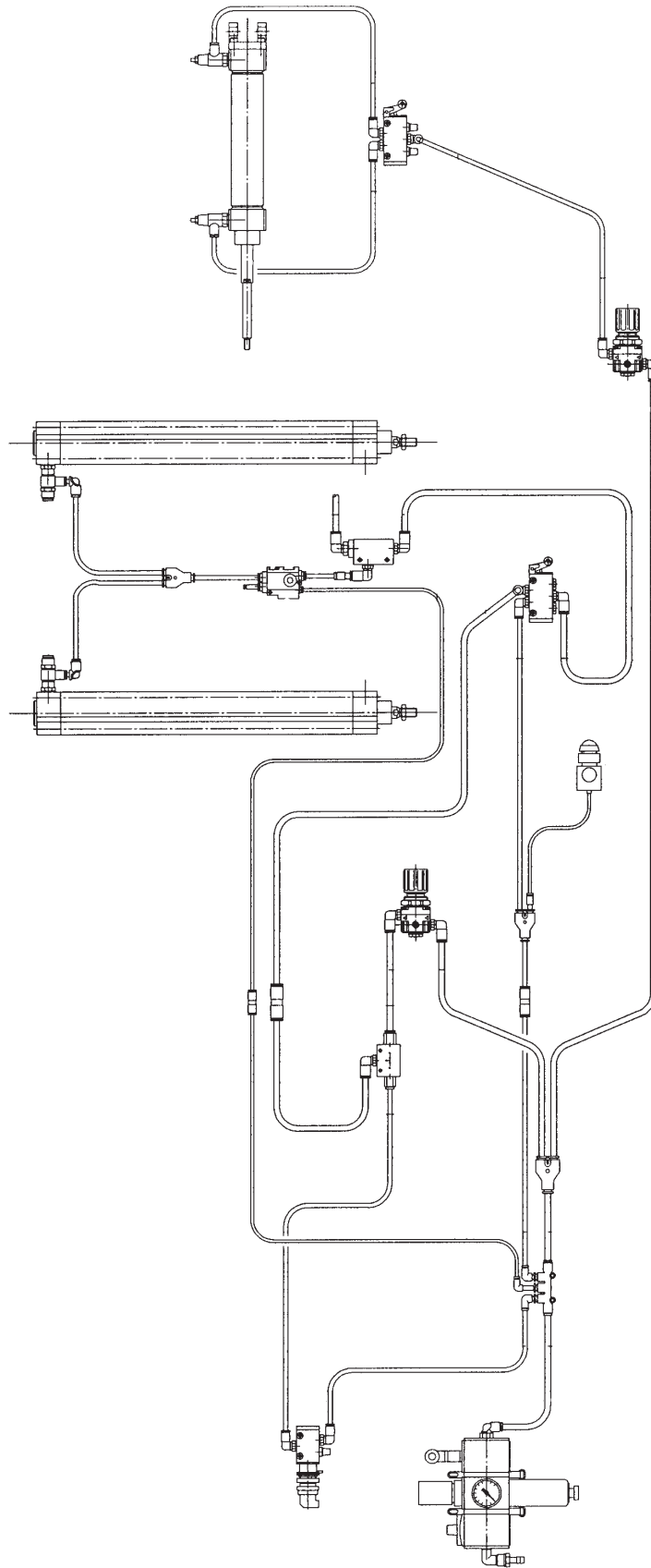
16-DRAWINGS AND SCHEMATICS



16-DRAWINGS AND SCHEMATICS







CATALOGO PEZZI DI RICAMBIO

COME ORDINARE

Per ordinare i pezzi di ricambio si prega di indicare nell'ordine:

MODELLO ESATTO DELLA MACCHINA/NUMERO DI MATRICOLA DELLA MACCHINA/NUMERO DELLA FIGURA DEL CATALOGO RICAMBI IN CUI COMPARE IL PEZZO RICHIESTO/NUMERO DI POSIZIONE DEL PEZZO RICHIESTO NELLA FIGURA/NUMERO DI CODICE DEL PEZZO/DESCRIZIONE DEL PEZZO/QUANTITÀ DESIDERATA

ATTENZIONE: LA MACCHINA VIENE COSTANTEMENTE MIGLIORATA DAI PROGETTISTI, E IL CATALOGO DEI RICAMBI SUBISCE PERIODICI AGGIORNAMENTI. È INDISPENSABILE CHE OGNI ORDINE DI PARTI DI RICAMBIO MENZIONI IL NUMERO DI MATRICOLA DELLA MACCHINA, LEGGIBILE SULLA TARGHETTA METALLICA DI IDENTIFICAZIONE DELLA MACCHINA.

Il costruttore si riserva la facoltà di apportare modifiche alle macchine senza preavviso.

SPARE PARTS CATALOGUE

HOW TO ORDER

When ordering spare parts, please define each part as follows:

MODEL OF MACHINE/SERIAL NUMBER OF MACHINE/NUMBER OF THE FIGURE IN THE SPARE PARTS CATALOGUE IN WHICH THE REQUESTED PARTS APPEARS/NUMBER OF POSITION OF THE REQUESTED PART IN THE FIGURE/PART NUMBER/DESCRIPTION/ DESIRED QUANTITY

WARNING: THE MACHINE IS CONSTANTLY REVISED AND IMPROVED BY OUR DESIGNERS. THE SPARE PARTS CATALOGUE IS ALSO PERIODICALLY UPDATED. IT IS VERY IMPORTANT THAT ALL THE ORDERS OF SPARE PARTS MAKE REFERENCE TO THE SERIAL NUMBER OF THE MACHINE, WHICH IS PUNCHED ON THE METAL NAME PLATE ON THE MACHINE.

The manufacturer reserves the right to modify the machine at any time without notice.

CATALOGUE PIECES DETACHEES

COMMENT COMMANDER

Pour commander les pièces de rechange, il est nécessaire d'indiquer dans l'ordre:

MODELE EXACTE DE LA MACHINE/NUMÉRO D'IDENTIFICATION DE LA MACHIN/NUMÉRO DU TABLEAU DANS LE CATALOGUE PIECES DE RECHANGE DANS LEQUEL FIGURE LA PIECE DEMANDÉE/NUMÉRO DE POSITION DANS LE CATALOGUE DE LA PIECE DEMANDÉE CODE DE LA PIECE/DESCRIPTION/QUANTITÉ DÉSIRÉE

ATTENTION: La machine est améliorée constamment par des projetteurs, et le catalogue des pièces de rechange subit périodiquement des mises à jour. Il est donc indispensable, que chaque commande de pièces de rechange mentionne le numéro d'identification de la machine, lisible sur la plaque métallique d'identification de la machine.

Le constructeur se réserve le droit d'apporter des modifications aux machines sans préavis aucun.

ERSATZTEILE-KATALOG

ERSATZTEIL-BESTELLUNG

Für die Bestellung der Ersatzteile, müssen folgende Informationen mitgeteilt werden

GENAUES MASCHINENMODELL/

MATRIKELNUMMER DER MASCHINE/BILDNUMMER DES ERSATZTEILEKATALOGES, AUF DEM DAS GEFRAGTE TEIL BGEBILDET IST/

POSITIONSNUMMER DES GEFRAGTEN TEILES AUF DEM BILD/BESTELLNUMMER DES ERSATZTEILE/BESCHREIBUNG DES

ERSATZTEILES/ GEWÜNSCHTE MENGE

ACHTUNG: DIE QUALITÄT UND SICHERHEIT DER MASCHINE WIRD VON DER ENTWICKLUNGSARBEIT STÄNDIG VERBESSERT.

DER ERSATZTEILE KATALOG WIRD PERIODISCH AKTUALISIERT. ES IST DAHER NOTWENDIG, DAß ALLE

ERSATZTEIL-BESTELLUNGEN IMMER DIE MATRIKELNUMMER ERWÄHNEN, DIE AUF DEM METALLSCHILD DER MASCHINE STEHT.

Der Hersteller behält sich die Möglichkeit vor, eventuelle Änderungen an der Maschine ohne Vorabinformation durchzuführen.

CATALOGO PIEZAS DE RECAMBIO

COMO PEDIR

Para pedir las piezas de recambio se ruega indicar en el pedido:

MODELO EXACTO DE LA MÁQUINA/ NÚMERO DE MATRÍCULA DE LA MÁQUINA/NÚMERO DE LA FIGURA DEL CATÁLOGO

RECAMBIO EN LOS QUE APARECE LA PIEZA PEDIDA/ NÚMERO DE POSICIÓN DE LA PIEZA SOLICITADA EN LA FIGURA/

NÚMERO DE CÓDIGO DE LA PIEZA/ DESCRIPCIÓN DE LA PIEZA/CANTIDAD DESEADA

ATENCIÓN! LA MÁQUINA ES CONSTANTEMENTE MEJORADA POR LOS PROYECTISTAS, POR LO QUE EL CATÁLOGO DE RECABIOS ES ACTUALIZADO PERIÓDICAMENTE. ES INDISPENSABLE QUE TODOS LOS PEDIDOS DE PIEZAS DE RECAMBIO HAGAN MENCIÓN DEL NÚMERO DE MATRÍCULA DE LA MÁQUINA, LEGIBLE EN LA PLACA METÁLICA DE IDENTIFICACIÓN DE LA MÁQUINA.

El fabricante se reserva la facultad de aplicar modificaciones a las máquinas sin previo aviso.

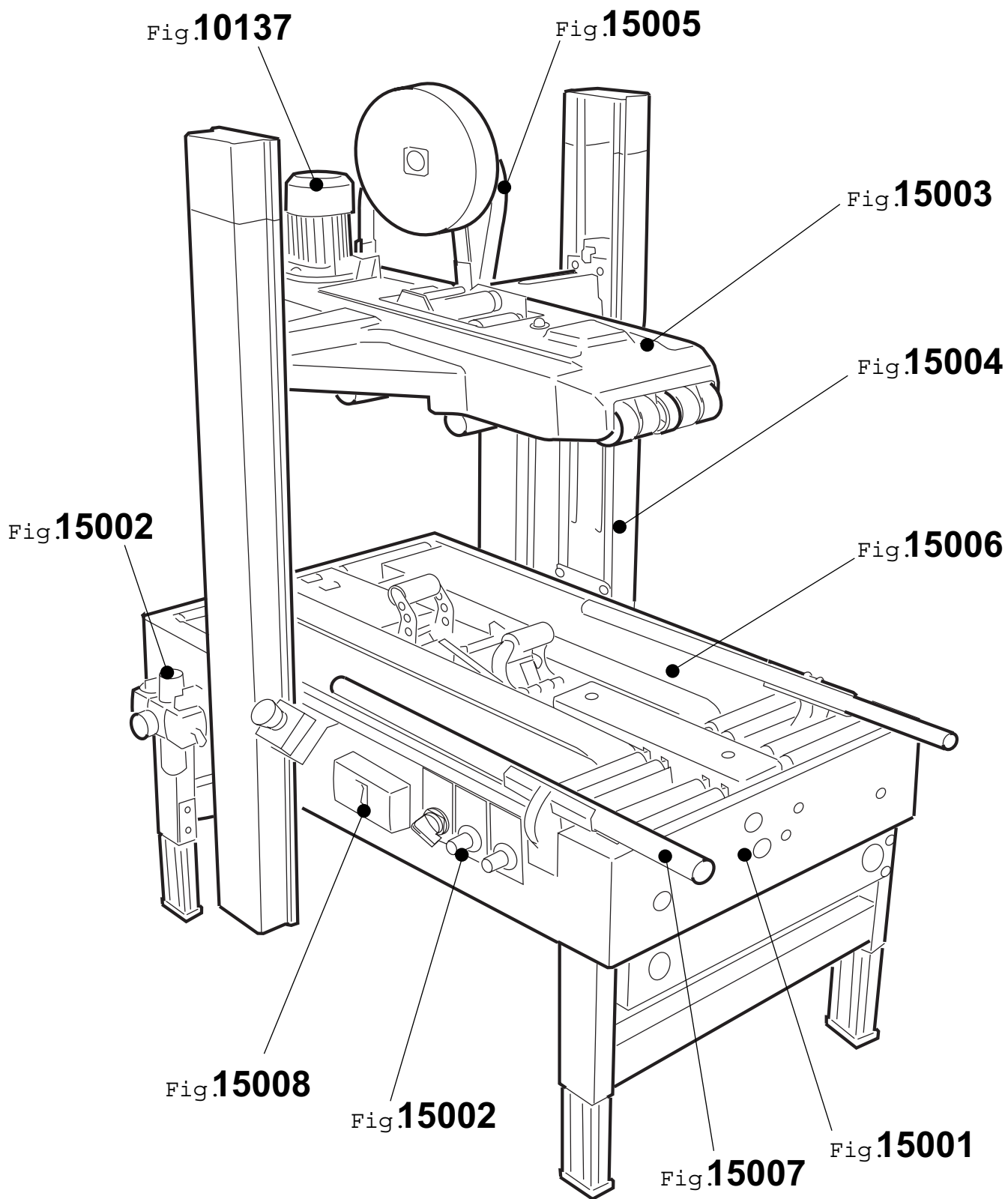


Fig. 10137 MOTORI ELETTRICI SEB0000372 SR46-S NASTRATRICE

Pos.	Q.tà	UM	Codice	Descrizione
1	2,0000	PZ	S3803442ZZZ	MOTORE H63 A4 B5 KW0.13 200V 50/60HZ 22
2	2,0000	PZ	S3803440ZZZ	MOTORE H63 A4 B5 220/240V-380/415V 50HZ
3	2,0000	PZ	S3803446ZZZ	MOTORE MULTITENSIONE MH63 C4 KW0,12 B5
4	2,0000	PZ	S3803449ZZZ	MOTORE MH63 C4 B5 220/240V MF 50HZ 0.13K
5	8,0000	PZ	S340005893Z	VITE TE M8X25 ZINCATA
6	8,0000	PZ	S340006392Z	RONDELLA ELAST.GROWER DIN 7980 (SEZ.QUADR
7	8,0000	PZ	S340011693Z	DADO BASSO M8 ZINC.
8	1,0000	PZ	S3802139ZZZ	BOCCHETTONE SKINTOP ST11
9	1,0000	PZ	S380809200A	CONNETTORE QUICKON-ONE DA 0.75 A 1.5 Q 1

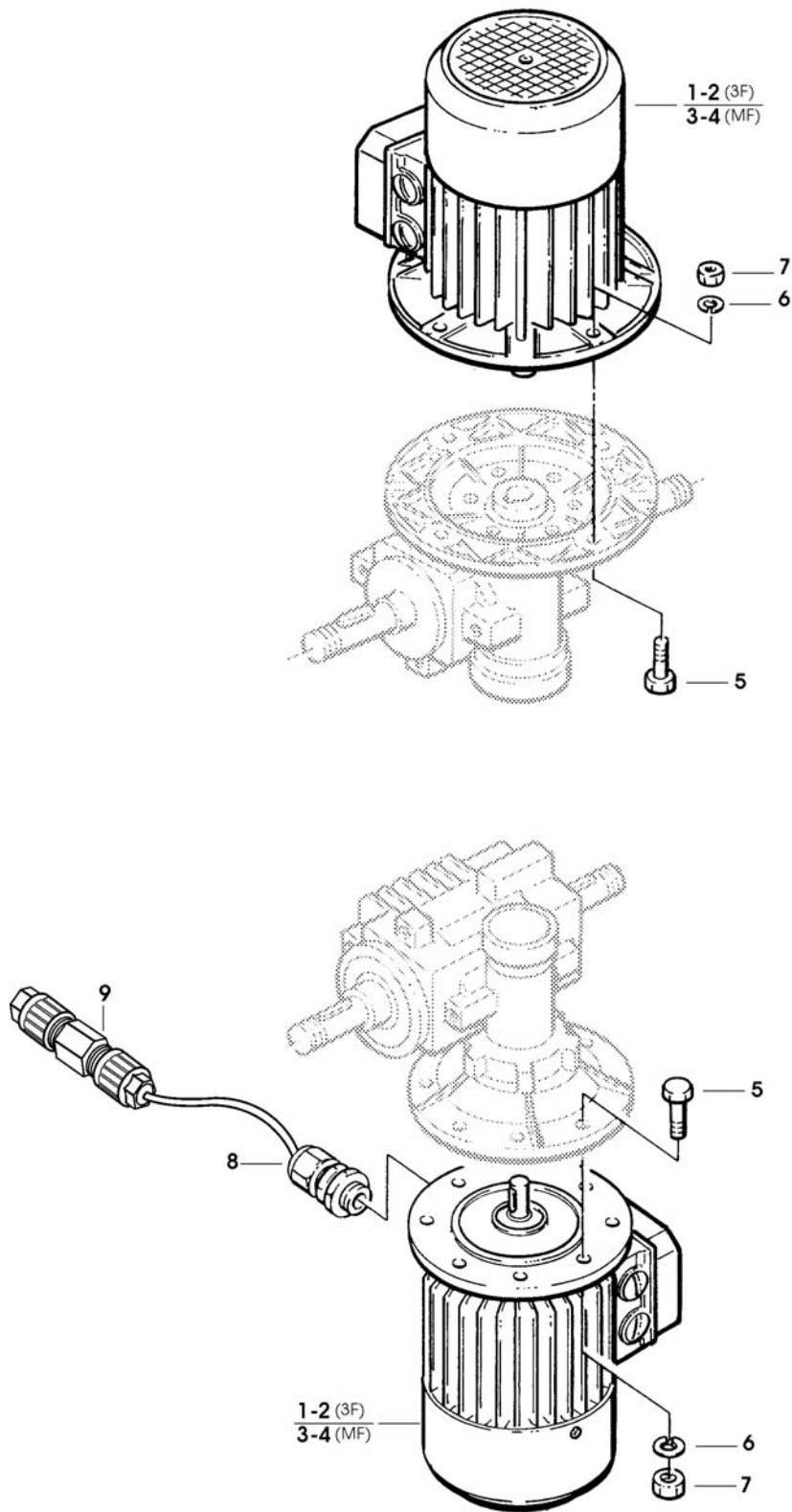
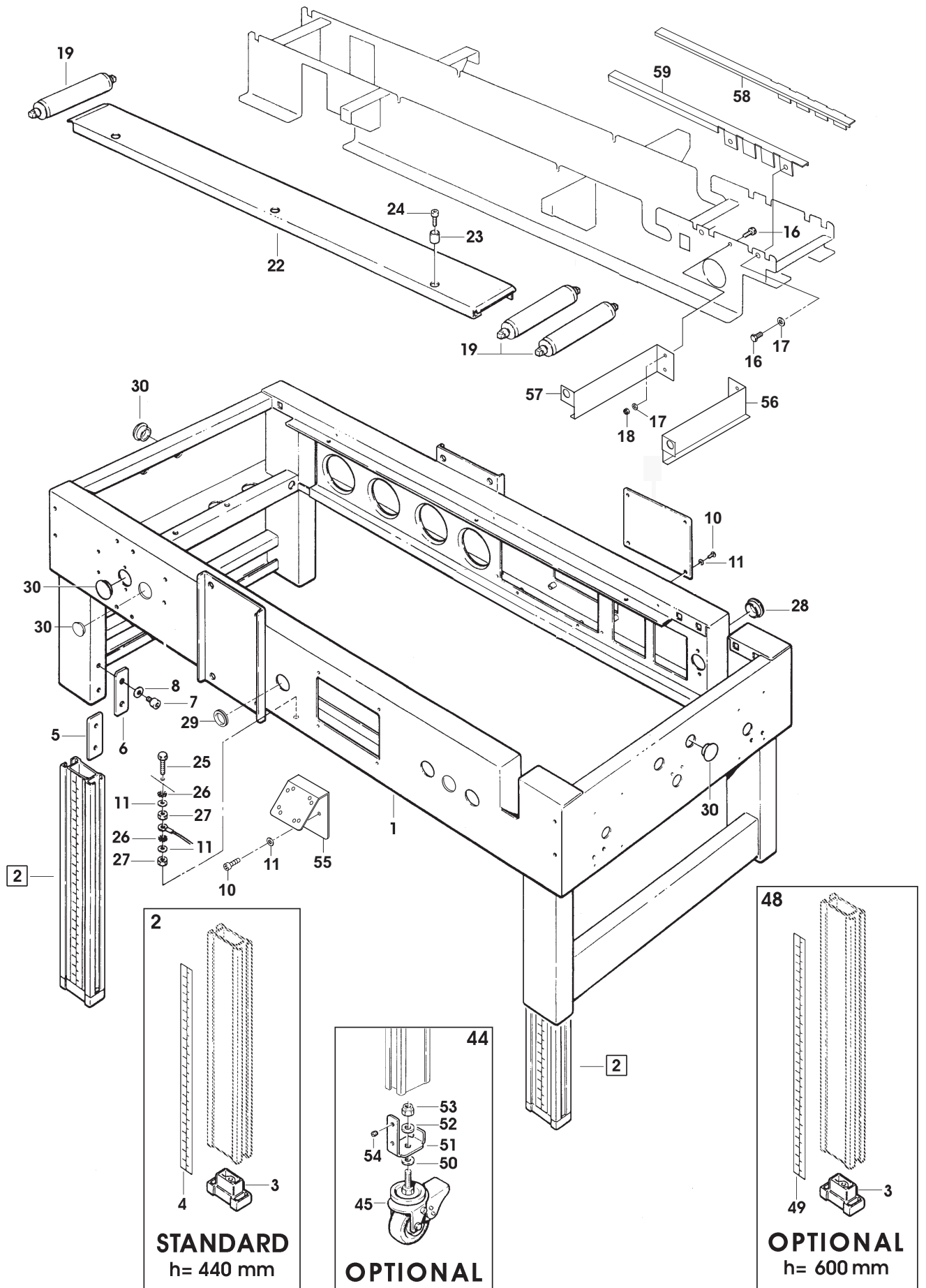


Fig. 15001 BANCALE SEB0000372 SR46-S NASTRATRICE

Pos.	Q.tà	UM	Codice	Descrizione
1	1.0000	pz	SBA0004743	Bancale assemblato c/inserti
2	4.0000	PZ	S4304737ZZZ	GAMBA CON PIEDINO SA2 SR4
3	4.0000	PZ	M3101498ZZZ	PIEDINO SERIE 2000 NERO
4	4.0000	PZ	S300098295A	RIGHELLA MILLIM PER GAMBA H=440 SA2-SR4
5	4.0000	PZ	S320567193A	PIASTRINA FISS.GAMBA
6	4.0000	PZ	S320589893A	STAFFA PER GAMBE E TRAVERSE SIAT 2000
7	8.0000	PZ	S340058493Z	VITE TCEI M8X16 ZINCATA
8	10.0000	PZ	S340012393Z	RONDELLA PIANA X VITE M8 ZINC.
10	6.0000	PZ	S340031893Z	VITE TCEI M5X12 ZINCATA
11	8.0000	PZ	S340006193Z	RONDELLA PIANA X VITE M5 ZINC.
12	1.0000	PZ	S320588847A	PIASTRA CHIUSURA VANO INT. SIAT 2000
16	2.0000	PZ	S340002693Z	VITE TE M6X16 ZINCATA
17	2.0000	PZ	S340017593Z	RONDELLA PIANA X VITE M6 ZINC.
18	2.0000	PZ	S340000293Z	DADO M6 ZINCATO
19	1.0000	pz	SBA0002651	Rullo entrata/uscita
22	1.0000	pz	SBC0003443V	Piano scorrimento laterale
23	6.0000	PZ	S310098105Z	BUSSOLA 200A
24	6.0000	PZ	S340001593Z	VITE TCEI M6X25 ZINCATA
25	1.0000	PZ	S340004593Z	VITE TE M5X20 ZINCATA
26	2.0000	PZ	S340074592Z	RONDELLA DENT. X VITE M5 BRUN.
27	2.0000	PZ	S340002393Z	DADO M5 ZINCATO
29	1.0000	PZ	S3801216ZZZ	PASSACAVO GOMMA PER FORO /16.5
30	12.0000	PZ	S3803667ZZZ	TAPPO DP-875 SIAT-2000
33	1.0000	PZ	SCB0000385	CILINDRO CENTRATORE PRA-40-125 SPECIALE
34	2.0000	PZ	S3802977ZZZ	REGOLATORE DI VELOCITA' EAS2201F-02-065
35	1.0000	PZ	S331510292Z	CANNOTTO ATTACCO CILINDRO SR4
36	1.0000	PZ	S340235693Z	VITE TCEI M8X80 UNI5931 DIN912 TUTTO FIL
37	1.0000	PZ	S340028393Z	DADO AUTOBLOCCANTE M8 BASSO ZINCATO
38	2.0000	PZ	S310155500A	GUIDA X MOLLA SR4
39	1.0000	PZ	S370014793Z	MOLLA PER COLONNE 22A ZINC.
40	1.0000	PZ	S331525300A	PERNO ATTACCO CILINDRO SR4
41	1.0000	PZ	S331558893A	DADO SPECIALE ATTACCO CILINDRO SR4
42	1.0000	PZ	S340002193Z	VITE TE M6X12 ZINCATA
43	1.0000	PZ	S340003393Z	RONDELLA TRIPLA X VITE M6 ZINC
44	1.0000	PZ	S780433700B	AS77 SET RUOTE /80 SIAT 2000
45	4.0000	PZ	S3401501ZZZ	RUOTA /80 POLIDERNYL
48	1.0000	PZ	S780441300A	AS80-SET GAMBE SPECIALI SIAT 2000
49	4.0000	PZ	S300105196A	ETICH RIGHELLA MILLIMET. H=600 X GAMBA S
50	4.0000	PZ	S320245593Z	DISTANZIALE PER RUOTE SM481
51	4.0000	PZ	S320724493A	ATTACCO RUOTA AS77
52	4.0000	PZ	S340006293Z	RONDELLA PIANA X VITE M12 ZINC
53	4.0000	PZ	S340073593Z	DADO M12 AUTOBLOCCANTE
54	8.0000	PZ	S340041592Z	GRANO EIPP M8X8 BR.
55	1.0000	PZ	SBA0005314	Supporto tasto emergenza c/ins.SR46
56	1.0000	pz	SBC0003793V	Protezione anteriore leve
57	1.0000	pz	SBC0003792V	Protezione posteriore leve
58	1.0000	pz	SBA0004736	Profilo di chiusura dx c/ins.
59	1.0000	pz	SBA0004737	Profilo di chiusura sx c/ins.



SR46-S

Gen. 2007

Fig. 15001/1

Fig. 15001**BANCALE****SEB0000372****SR46-S NASTRATRICE**

Pos.	Q.tà	UM	Codice	Descrizione
1	1.0000	pz	SBA0004743	Bancale assemblato c/inserti
2	4.0000	PZ	S4304737ZZZ	GAMBA CON PIEDINO SA2 SR4
3	4.0000	PZ	M3101498ZZZ	PIEDINO SERIE 2000 NERO
4	4.0000	PZ	S300098295A	RIGHELLA MILLIM PER GAMBA H=440 SA2-SR4
5	4.0000	PZ	S320567193A	PIASTRINA FISS.GAMBA
6	4.0000	PZ	S320589893A	STAFFA PER GAMBE E TRAVERSE SIAT 2000
7	8.0000	PZ	S340058493Z	VITE TCEI M8X16 ZINCATA
8	10.0000	PZ	S340012393Z	RONDELLA PIANA X VITE M8 ZINC.
10	6.0000	PZ	S340031893Z	VITE TCEI M5X12 ZINCATA
11	8.0000	PZ	S340006193Z	RONDELLA PIANA X VITE M5 ZINC.
12	1.0000	PZ	S320588847A	PIASTRA CHIUSURA VANO INT. SIAT 2000
16	2.0000	PZ	S340002693Z	VITE TE M6X16 ZINCATA
17	2.0000	PZ	S340017593Z	RONDELLA PIANA X VITE M6 ZINC.
18	2.0000	PZ	S340000293Z	DADO M6 ZINCATO
19	1.0000	pz	SBA0002651	Rullo entrata/uscita
22	1.0000	pz	SBC0003443V	Piano scorrimento laterale
23	6.0000	PZ	S310098105Z	BUSSOLA 200A
24	6.0000	PZ	S340001593Z	VITE TCEI M6X25 ZINCATA
25	1.0000	PZ	S340004593Z	VITE TE M5X20 ZINCATA
26	2.0000	PZ	S340074592Z	RONDELLA DENT. X VITE M5 BRUN.
27	2.0000	PZ	S340002393Z	DADO M5 ZINCATO
29	1.0000	PZ	S3801216ZZZ	PASSACAVO GOMMA PER FORO /16.5
30	12.0000	PZ	S3803667ZZZ	TAPPO DP-875 SIAT-2000
33	1.0000	PZ	SCB0000385	CILINDRO CENTRATORE PRA-40-125 SPECIALE
34	2.0000	PZ	S3802977ZZZ	REGOLATORE DI VELOCITA' EAS2201F-02-065
35	1.0000	PZ	S331510292Z	CANNOTTO ATTACCO CILINDRO SR4
36	1.0000	PZ	S340235693Z	VITE TCEI M8X80 UNI5931 DIN912 TUTTO FIL
37	1.0000	PZ	S340028393Z	DADO AUTOBLOCCANTE M8 BASSO ZINCATO
38	2.0000	PZ	S310155500A	GUIDA X MOLLA SR4
39	1.0000	PZ	S370014793Z	MOLLA PER COLONNE 22A ZINC.
40	1.0000	PZ	S331525300A	PERNO ATTACCO CILINDRO SR4
41	1.0000	PZ	S331558893A	DADO SPECIALE ATTACCO CILINDRO SR4
42	1.0000	PZ	S340002193Z	VITE TE M6X12 ZINCATA
43	1.0000	PZ	S340003393Z	RONDELLA TRIPLA X VITE M6 ZINC
44	1.0000	PZ	S780433700B	AS77 SET RUOTE /80 SIAT 2000
45	4.0000	PZ	S3401501ZZZ	RUOTA /80 POLIDERNYL
48	1.0000	PZ	S780441300A	AS80-SET GAMBE SPECIALI SIAT 2000
49	4.0000	PZ	S300105196A	ETICH RIGHELLA MILLIMET. H=600 X GAMBA S
50	4.0000	PZ	S320245593Z	DISTANZIALE PER RUOTE SM481
51	4.0000	PZ	S320724493A	ATTACCO RUOTA AS77
52	4.0000	PZ	S340006293Z	RONDELLA PIANA X VITE M12 ZINC
53	4.0000	PZ	S340073593Z	DADO M12 AUTOBLOCCANTE
54	8.0000	PZ	S340041592Z	GRANO EIPP M8X8 BR.
55	1.0000	PZ	SBA0005314	Supporto tasto emergenza c/ins.SR46
56	1.0000	pz	SBC0003793V	Protezione anteriore leve
57	1.0000	pz	SBC0003792V	Protezione posteriore leve
58	1.0000	pz	SBA0004736	Profilo di chiusura dx c/ins.
59	1.0000	pz	SBA0004737	Profilo di chiusura sx c/ins.

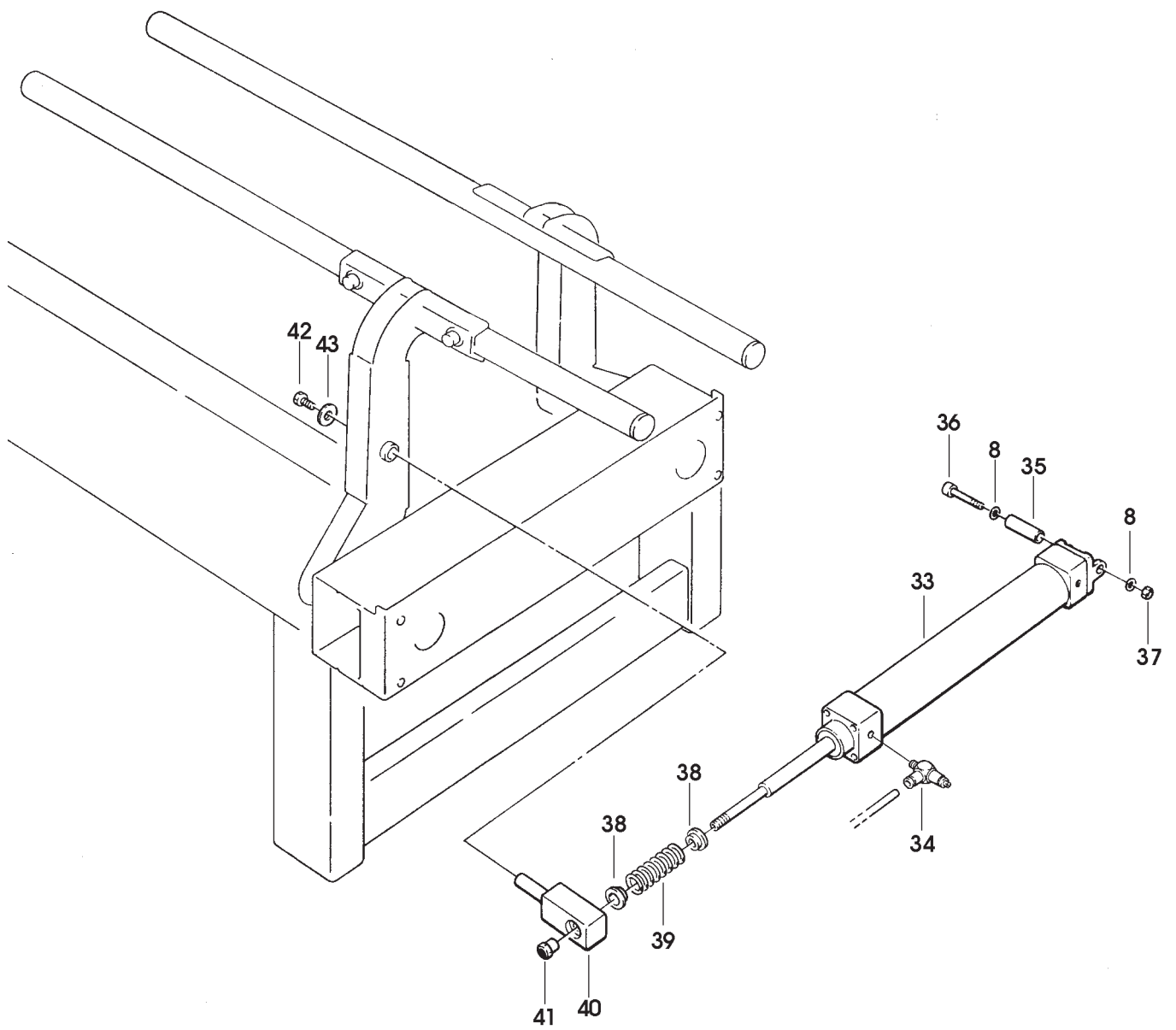


Fig. 15002 IMPIANTO PNEUMATICO BANCALE SEB0000372 SR46-S NASTRATRICE

Pos.	Q.tà	UM	Codice	Descrizione
1	1.0000	PZ	SBA0005338	RIDUTTORE PRESSIONE CENTRATORE ASS.
2	1.0000	PZ	SBA0005339	RIDUTTORE PRESSIONE DISCESA TEST. ASS.
3	1.0000	PZ	SBA0005341	VALVOLA SALITA/DISCESA ASSEMBLATA
4	1.0000	PZ	SCB0000363	Gr. comando pneumatico 220V-AC / SR46
5	1.0000	PZ	SBA0005343	VALVOLA SELETRICE ASSEMBLATA
6	4.0000	PZ	S340006193Z	RONDELLA PIANA X VITE M5 ZINC.
7	2.0000	PZ	S340014193Z	VITE TCEI M5X25 ZINCATA
8	2.0000	PZ	S340002393Z	DADO M5 ZINCATO
9	1.0000	pz	SCB0000329	Elettrovalvola G 1/4"-220V- R412006267
10	1.0000	PZ	S3805113ZZZ	TUBO PNEUM.TUO604B (5M)
11	1.0000	PZ	S3805112ZZZ	TUBO PNEUM.TUO425B (M5)
12	1.0000	PZ	SCB0000426	NUOVO GR. PNEUM. INGRESSO 230V-MpA
13	1.0000	PZ	SCB0000425	NUOVO GRUPPO PNEUM. INGRESSO 24V-DC
14	1.0000	PZ	SCB0000424	NUOVO GRUPPO PNEUM. INGRESSO 24V-AC
15	1.0000	PZ	SCB0000423	NUOVO GRUPPO PNEUM. INGRESSO 110V
16	1.0000	PZ	SCB0000422	NUOVO GRUPPO PNEUM. INGRESSO 230V
17	1.0000	PZ	SCB0000433	PILOTA D016 24V-DC
18	1.0000	PZ	SCB0000432	PILOTA D016 24V-AC
19	1.0000	PZ	SCB0000431	PILOTA D016 110V-AC

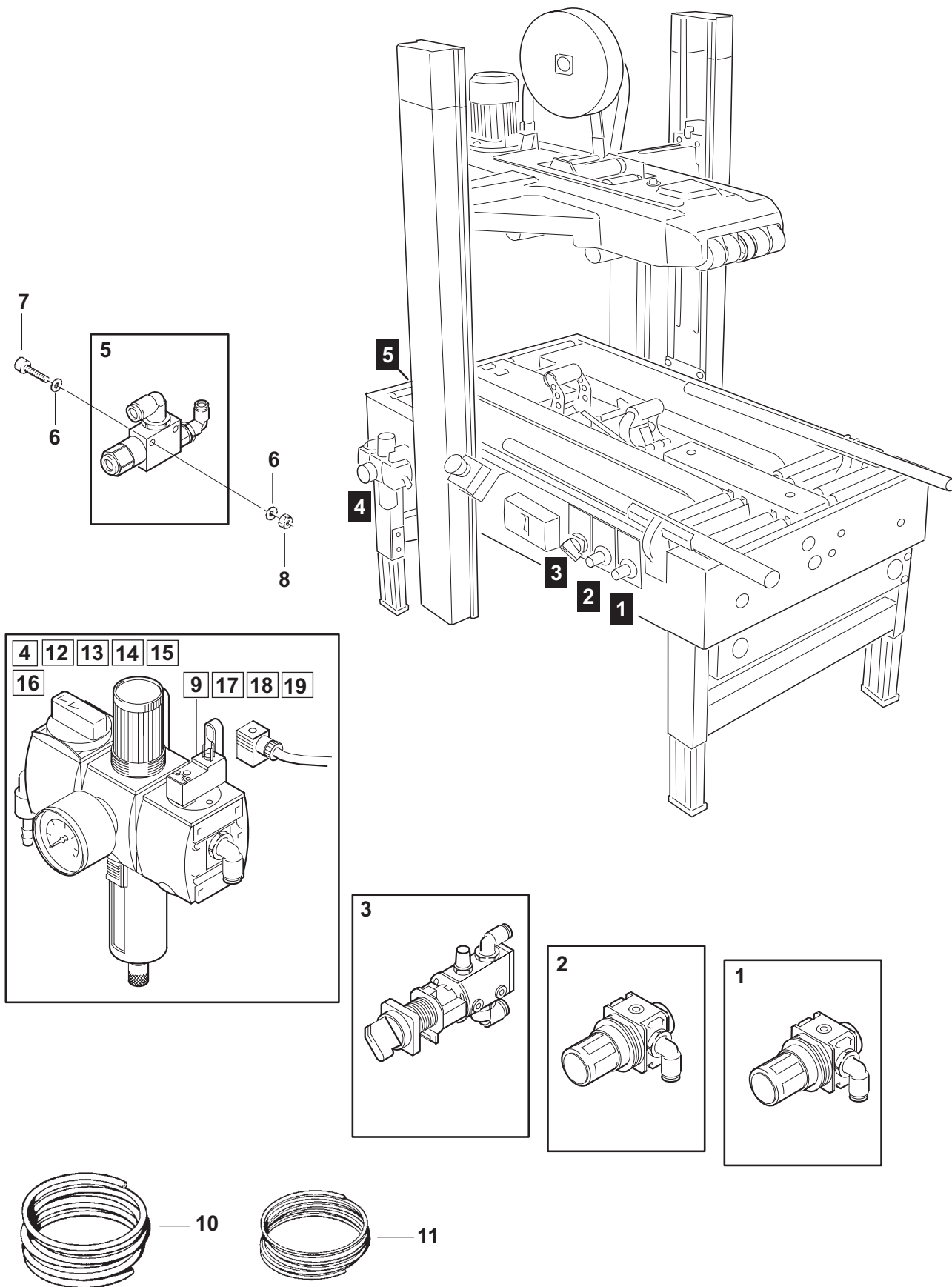


Fig. 15003 MOTORIZZAZIONE SUPERIORE**SEB0000372****SR46-S NASTRATRICE**

Pos.	Q.tà	UM	Codice	Descrizione
2	1.0000	pz	SBA0002665	Struttura motorizzazione sup. c/ins.
3	2.0000	PZ	S340001293Z	VITE TCBCR M4X10 ZINCATA
4	4.0000	PZ	S340000193Z	DADO M4 ZINCATO
5	1.0000	PZ	S3803595ZZZ	RIDUTT.MOTOVARIO 1:20 ALBERO
6	3.0000	PZ	S340011293Z	VITE TCEI M5X16 ZINCATA
8	28.0000	PZ	S340006193Z	RONDELLA PIANA X VITE M5 ZINC.
9	2.0000	PZ	S331606293A	DISTANZIALE X PULEGGE MOTRICI SA2 SR4
10	2.0000	PZ	S4705876ZZZ	PULEGGIA MOTRICE ASS.C/ANELLI
11	4.0000	PZ	S310054048Z	ANELLO PER PULEGGIA
12	2.0000	PZ	S350051593Z	DADO SPEC.AUTOBLOCC.M20X1 ZINC
13	2.0000	PZ	S470852800B	CARRELLO TENDICINGHIA ASS.SA2 SR4
14	2.0000	PZ	S440568793C	CARRELLO TENDICINGHIA ASS. SA2 SR4 ZINC.
15	2.0000	PZ	S4601730ZZZ	PULEGGIA FOLLE COMP.
16	2.0000	PZ	S330491693Z	RONDELLA /6,5/30X5
17	2.0000	PZ	S340002492Z	RONDELLA ELASTICA X M6
18	3.0000	PZ	S340057793Z	VITE TCEI M6X16 ZINCATA
19	2.0000	PZ	S350180293Z	DIST.PERNO MOT.INF. 200A-700A-700R 3M
20	2.0000	PZ	S340043893Z	DADO AUTOBLOCCANTE M10 BASSO
21	2.0000	PZ	S340040693Z	VITE TE M8X60 ZINCATA
22	10.0000	PZ	S340012393Z	RONDELLA PIANA X VITE M8 ZINC.
23	4.0000	PZ	S320290993Z	GUIDA SCORRIM.CINGHIA 200A
24	8.0000	PZ	S340005593Z	VITE TSVEI M5X20 ZINCATA
25	2.0000	PZ	S3401771ZZZ	CING TRASCINAM.C/GIUNZ 75X1823 +-2,5 S2
26	1.0000	pz	SBA0002159V	Carter post. ass. motorizzazione sup.
27	11.0000	PZ	S340072093Z	VITE TESTA MEZZA TONDA M5X12 CROCE ZINC.
28	1.0000	pz	SBA0003249	Valvola superiore ass.
31	1.0000	pz	SBA0003248	Squadra sx fissaggio valvola c/ins.
32	1.0000	pz	SBA0003247	Squadra dx fissaggio valvola c/ins.
33	1.0000	PZ	S340022993Z	VITE TCEI M4X30 ZINCATA
34	1.0000	PZ	S340000193Z	DADO M4 ZINCATO
35	5.0000	PZ	S340031893Z	VITE TCEI M5X12 ZINCATA
36	1.0000	PZ	S332217593A	PERNO RULLI ENTRATA SA26 W=1300 ZINC.
37	1.0000	PZ	S310066240Z	LEVA AZIONAMENTO VALVOLA
38	2.0000	PZ	S340021993Z	RONDELLA PIANA X VITE M10 ZINC
39	2.0000	PZ	S340018792Z	ANELLO ARRESTO 10 DIN 471 BRUN
40	1.0000	PZ	S332957893A	PERNO PER CAMMA TESTATA 700r/3" - SR46
41	4.0000	PZ	S310102205Z	RULLO ENTRATA MOTORIZZ.700R
42	2.0000	PZ	S331538793A	PERNO X RULLO ENTRATA ESTERNO SA2 SR4
43	5.0000	PZ	S340002193Z	VITE TE M6X12 ZINCATA
44	3.0000	PZ	S340017593Z	RONDELLA PIANA X VITE M6 ZINC.
45	1.0000	PZ	SCB0000195	VALVOLA 3/2 - 6x1
47	1.0000	PZ	S3800622ZZZ	RACCORDO GOMITO GIR.31990410
48	1.0000	PZ	S3800618ZZZ	RACCORDO DIR.M.CIL.31010610
49	1.0000	PZ	SBA0005340	VALVOLA SCARICO RAPIDO ASSEMBLATA
50	1.0000	PZ	S3803850ZZZ	VALVOLA SYJA712-01F
51	1.0000	PZ	S3803852ZZZ	RACCORDO GOMITO 31820600
52	1.0000	PZ	S3800668ZZZ	RACCORDO T CENTR.GIR.31980610
53	1.0000	PZ	S3800739ZZZ	RACCORDO GOMITO GIR.31990419

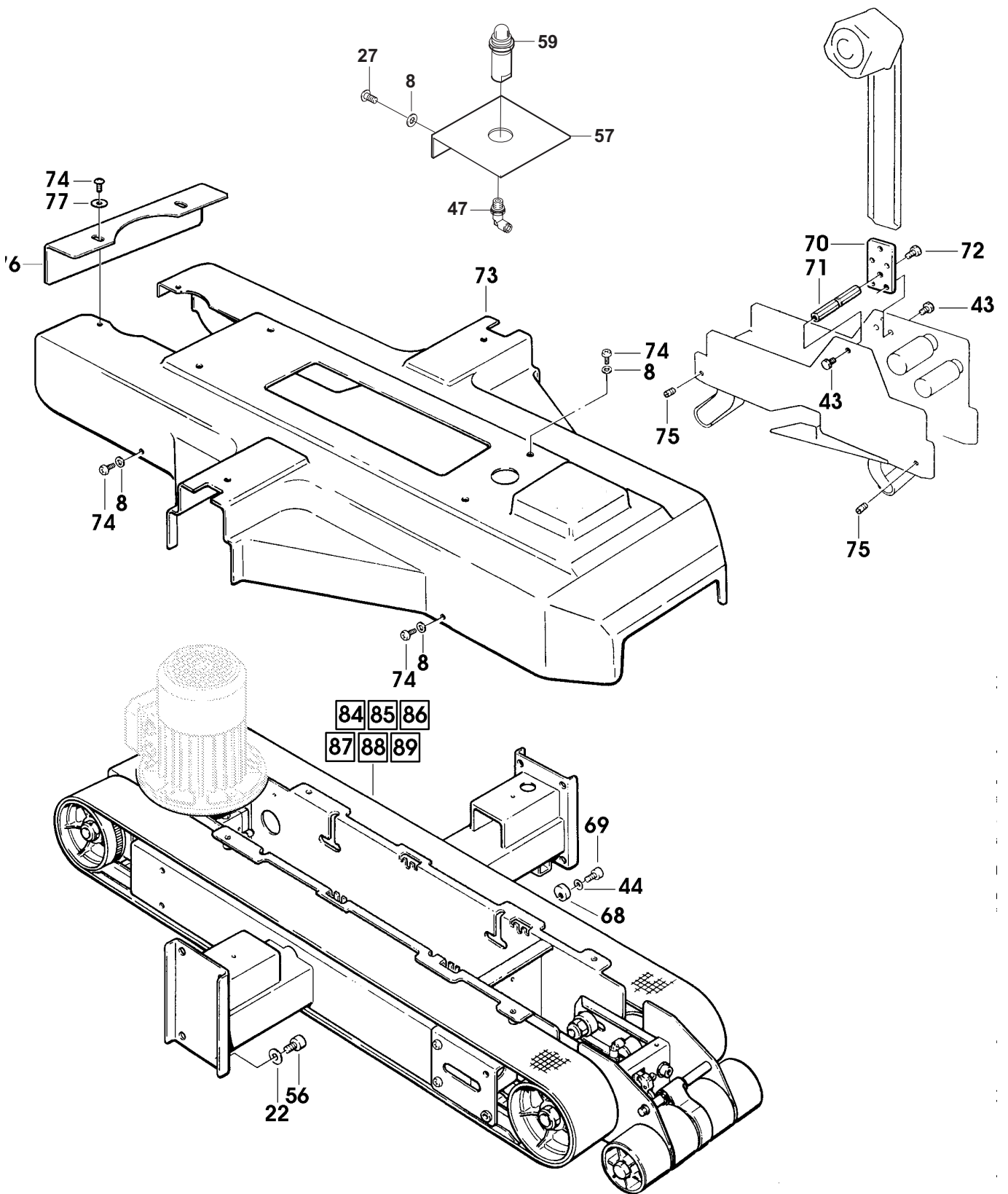
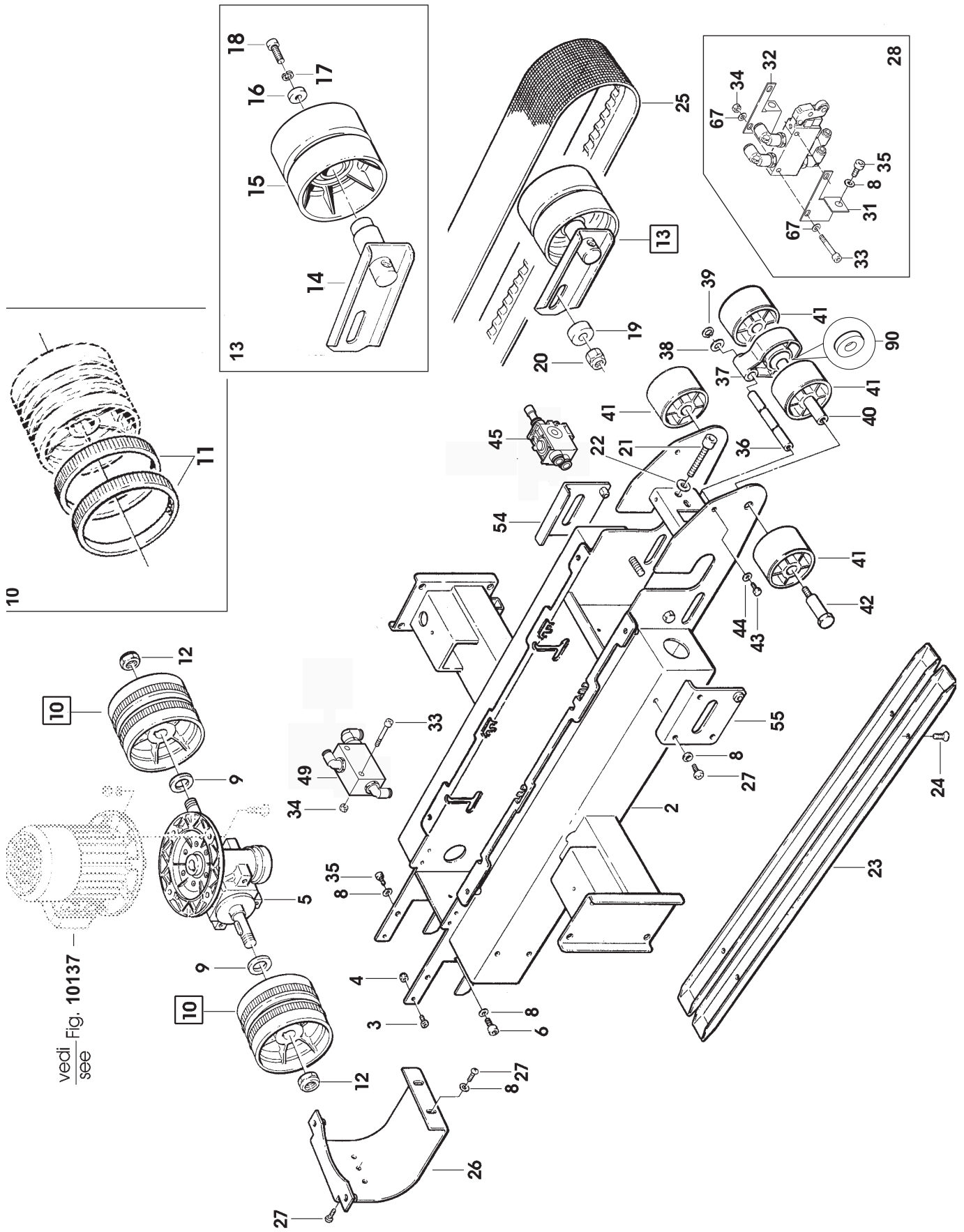


Fig. 15003 MOTORIZZAZIONE SUPERIORE**SEB0000372****SR46-S NASTRATRICE**

Pos.	Q.tà	UM	Codice	Descrizione
55	1.0000	PZ	S450492047Z	STAF SX FIXGIO PROT SUP.C/INS. S2 SA2 SR
56	8.0000	PZ	S340058993Z	VITE TCEI M8X14 ZINCATA
57	1.0000	pz	SBC0007224V	Staffa indicatore ottico
59	1.0000	PZ	S3802123ZZZ	INDICATORE OTTICO VR 3100-1 700R/3M
67	2.0000	PZ	S340004393Z	RONDELLA PIANA X VITE M4 ZINC.
68	1.0000	PZ	S331577093B	FERMO PER UNITA' NASTRANTE TOP SA2-SR4
69	1.0000	PZ	S340005193Z	VITE TCEI M6X12 ZINCATA
70	1.0000	PZ	S331569793A	STAF ATTACCO ARM PORTAROT SIAT 2000
71	1.0000	PZ	S330808693Z	DISTANZIALE ESAGONALE 10X107
72	1.0000	PZ	S340005793Z	VITE TE M6X20 ZINCATA
73	1.0000	PZ	SBC0001533	Protezione antinfortunistica superiore
74	12.0000	PZ	S340170893Z	VITE TESTA MEZZA TONDA CROCE M5X16 PER 7
75	4.0000	PZ	S350207193Z	ATTACCO UNITA'K13/14 ZINC.
76	1.0000	pz	SBC0002510V	Protezione cinghie motorizzazione sup.
77	2.0000	PZ	S340046893Z	RONDELLA TRIPLA X VITE M5 ZINC
84	1.0000	pz	SBA0004783	MOT. SUP. 100V 50/60HZ MH63 SR46 KYOWA
85	1.0000	pz	SBA0004781	MOT. SUP. 110/115V 60HZ MH63 SR46
86	1.0000	pz	SBA0004782	MOT. SUP. 220/230/240V 50HZ MH63 SR46
87	1.0000	pz	SBA0004779	MOT. SUP. 220/240V 50HZ H63 SR46
88	1.0000	pz	SBA0004785	MOT. SUPER. 220V 60HZ MH63 SR46
89	1.0000	pz	SBA0004780	MOT. SUPERIORE 440V 50HZ H63 SR46
90	1.0000	pz	SBC0004015	Distanziale rulli entrata



vedi Fig. 10137 —
see

Fig. 15004 COLONNE**SEB0000372****SR46-S NASTRATRICE**

Pos.	Q.tà	UM	Codice	Descrizione
3	1.0000	pz	SBA0003010	Colonna fissa con bandella
4	1.0000	pz	SBC0004392T	Piastrina fissaggio colonna
5	32.0000	PZ	S340136592Z	GRANO EIPC DENTELLATO M8X10 BR
6	2.0000	PZ	S320585393A	PIASTRA DI BASE X COLONNA SIAT 2000
7	8.0000	PZ	S340269893Z	VITE TCEE M10X35 DIN 7984 SIAT 2000
8	8.0000	PZ	S340220692Z	RANELLA DI SAFETY "S" (SCHNORR) /10 F144
9	1.0000	PZ	SBA0003246	Colonna scorrevole ass.
10	1.0000	PZ	SCB0000177	CILINDRO PER COLONNE SR46
11	2.0000	PZ	S331513693A	BUSSOLA ATTACCO CILINDRO SIAT 2000
12	2.0000	PZ	S3803251ZZZ	SILENZIATORE SP 1/4" SM11/94
13	1.0000	PZ	SBA0005267	Protezione colonna scorrevole ass. SR46
14	4.0000	PZ	S310154800A	PATTINO X PROTEZIONE COLONNE
15	8.0000	PZ	S3400984ZZZ	RIVETTO /4
16	16.0000	PZ	S320567396Z	PIASTR FIX BEARING TROPICAL
17	24.0000	PZ	S3402623ZZZ	(C) CUSCINETTO A SFERE SIAT 2000
18	16.0000	PZ	S331348693Z	VITE PER CUSCINETTO SIAT-2000
19	8.0000	PZ	S331348893Z	RONDELLA SIAT 2000 ZIN.
20	8.0000	PZ	S331348993Z	RONDELLA /18X8 SP.1 SA2/SR4
21	8.0000	PZ	S320567293Z	PIASTRINA FISSAGGIO COLONNA S2000
22	5.0000	PZ	S320604493B	PIASTR X PROT COLON SIAT 2000 ZINC.
23	2.0000	PZ	S310071905A	ROND.AMMORTIZ./22/35X5 NERO
24	2.0000	PZ	S350051593Z	DADO SPEC.AUTOBLOCC.M20X1 ZINC
25	8.0000	PZ	S340058993Z	VITE TCEI M8X14 ZINCATA
26	8.0000	PZ	S340012393Z	RONDELLA PIANA X VITE M8 ZINC.
27	2.0000	PZ	S310148947A	PROTEZIONE COLONNA FISSA SIAT 2000
28	4.0000	PZ	S331643993B	PIASTR FIX PROT SUP.COLON ZINC.
29	1.0000	PZ	S440584447B	SUPPORTO AMMORTIZZATORE ASS. SIAT 2000
30	1.0000	PZ	S310102105Z	TAMPONE AMMORTIZZATORE 700R 3M
31	1.0000	PZ	S3402699ZZZ	MANIGLIA A RIPRESA "ELESA" GN 125 D M8X1
32	1.0000	PZ	S330535393Z	RONDELLA /8,5X25X4
33	1.0000	PZ	S331564393B	VITE SPEC X REG ALTEZ SIAT 2000 ZINC.
34	1.0000	PZ	S340003393Z	RONDELLA TRIPLA X VITE M6 ZINC
35	1.0000	PZ	S340025893Z	DADO AUTOBLOCCANTE M6 ZINC.
36	2.0000	PZ	S3803673ZZZ	RIDUZIONE CONICA 1/4"M-1/4"F L MAX.25mm
37	2.0000	PZ	S3800617ZZZ	RACCORDO GOMITO GIR.31990613
38	2.0000	PZ	S3801006ZZZ	TAPPO RA 019 1/8" CILINDRICO

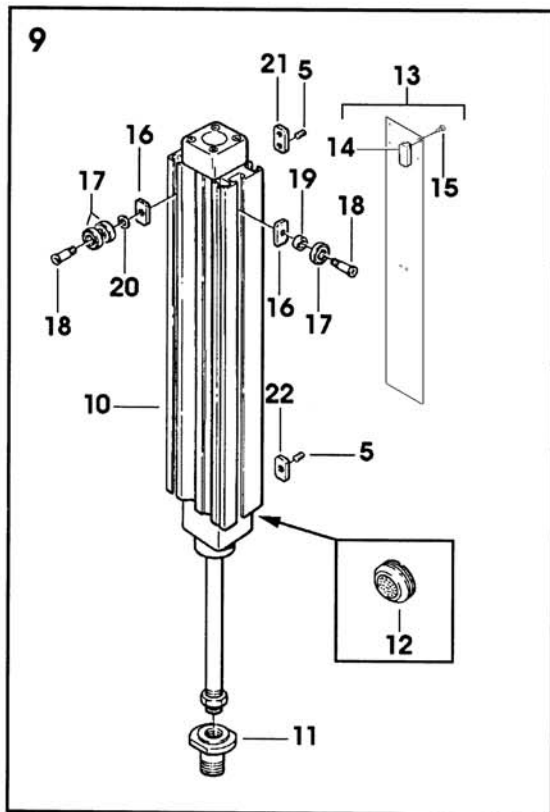
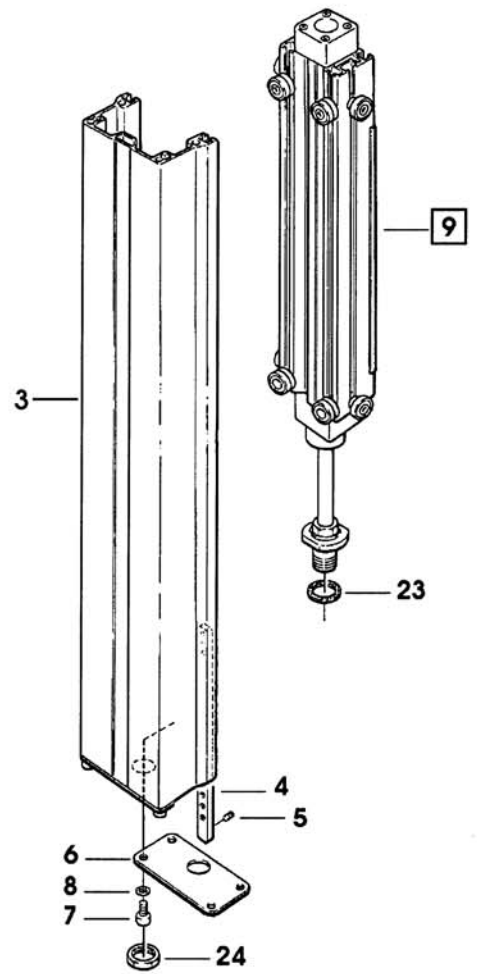
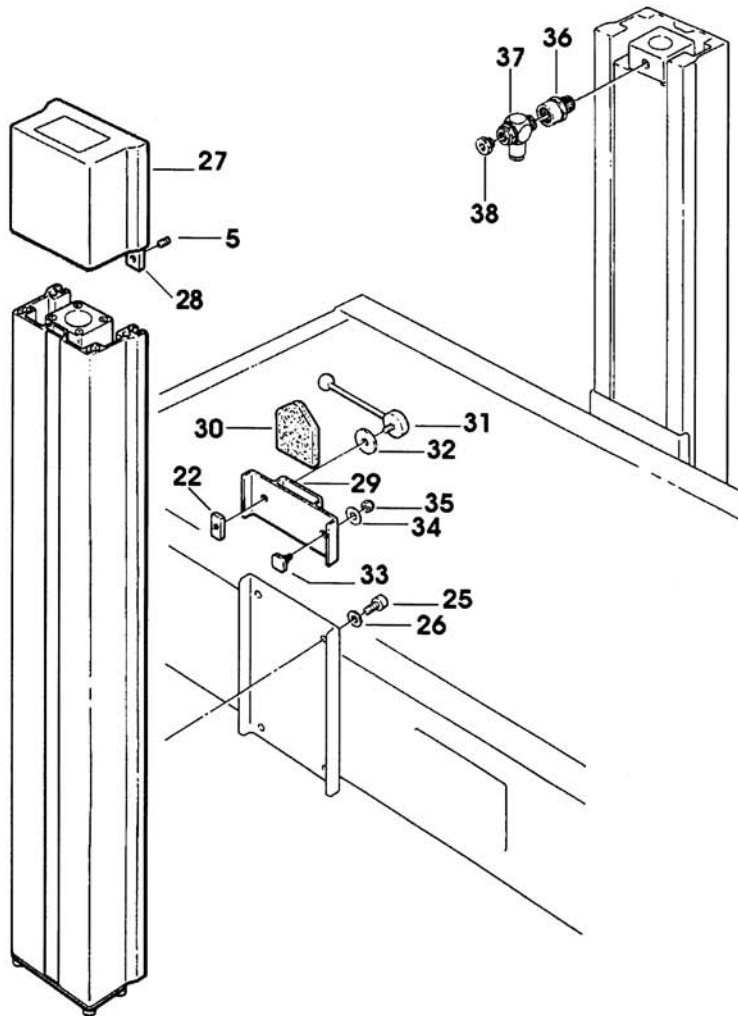


Fig. 15005 CANALINA**SEB0000372****SR46-S NASTRATRICE**

Pos.	Q.tà	UM	Codice	Descrizione
1	1.0000	pz	SBA0003014	Canalina assemblata c/guarnizione
2	4.0000	PZ	S340057793Z	VITE TCEI M6X16 ZINCATA
3	4.0000	PZ	S340017593Z	RONDELLA PIANA X VITE M6 ZINC.
4	1.0000	PZ	S3801403ZZZ	PASSACAVO GOMMA CON MEMBR "EZ DG16" PER
5	1.0000	pz	SBC0003967V	Coperchio per canalina
6	8.0000	PZ	S340072093Z	VITE TESTA MEZZA TONDA M5X12 CROCE ZINC.
7	12.0000	PZ	S340006193Z	RONDELLA PIANA X VITE M5 ZINC.
8	1.0000	PZ	S370015547Z	MOLLA A BANDELLA SM46/94
9	2.0000	PZ	S340037193Z	VITE TE M5X12 ZINCATA
10	4.0000	PZ	S340002393Z	DADO M5 ZINCATO
11	1.0000	PZ	S320635693A	SQUADRETTA ATTACCO BANDELLA SA2 SR4
14	1.0000	M	S3802207ZZZ	GUAINA FLESSIBILE /16
15	2.0000	PZ	S380809200A	CONNET QUICKON-ONE DA 0.75 A 1.5 Q 1,5/
16	1.0000	PZ	S3802400ZZZ	RACCORDO KQH04-00 800af
17	1.0000	PZ	S3802139ZZZ	BOCCHETTONE SKINTOP ST11
18	5.0000	PZ	S3801241ZZZ	FASCETTA L=140x3,5 (NERA)
20	2.0000	PZ	S3802031ZZZ	RACCORDO 1/2" DIR.X GUAINA /19
21	1.0000	PZ	S3802401ZZZ	RACCORDO KQH08-00 800af
22	1.0000	PZ	S3801682A	RACCORDO Y FEMM.LEGRIS31400400

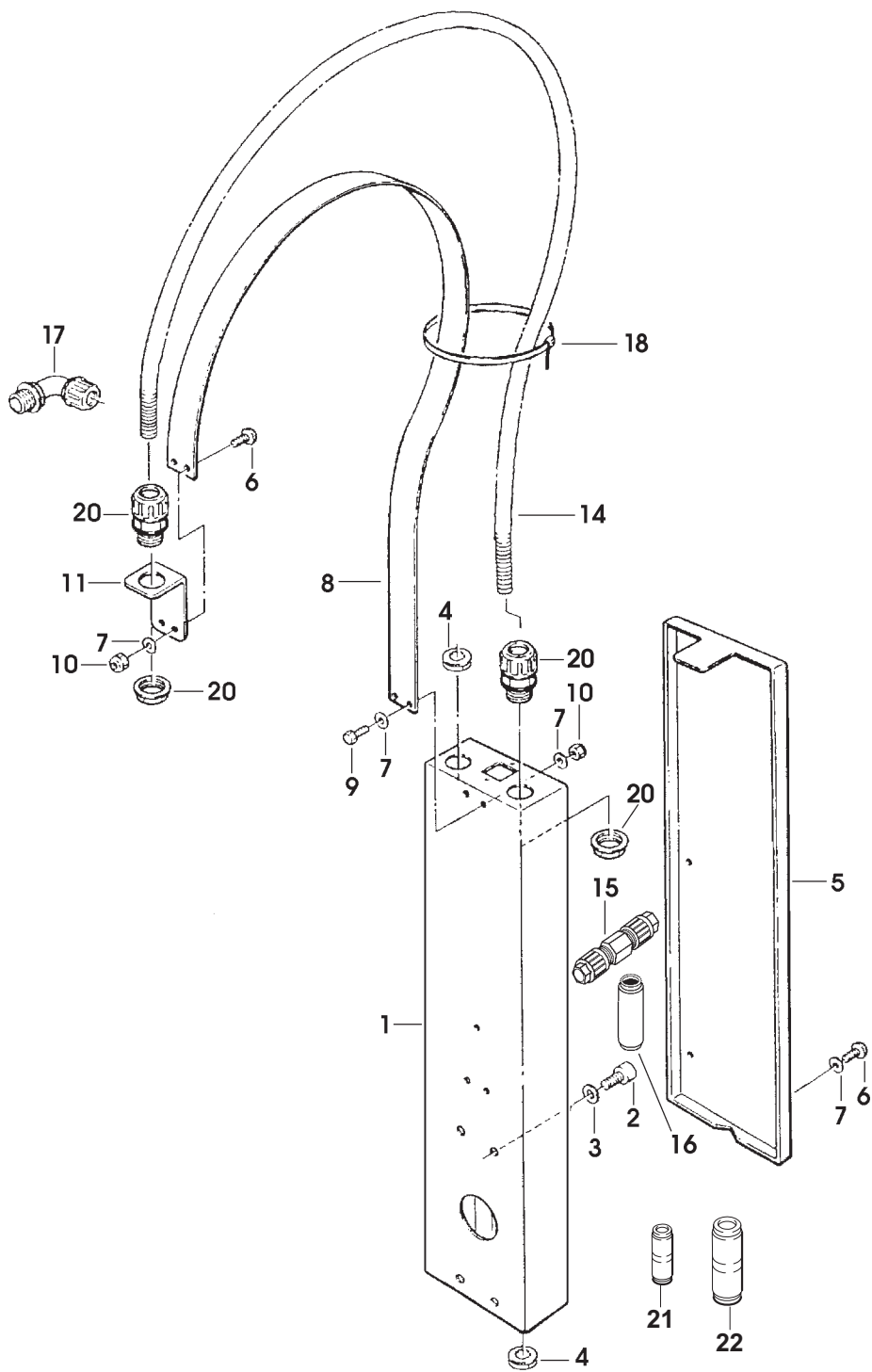


Fig. 15006 MOTORIZZAZIONE INFERIORE**SEB0000372****SR46-S NASTRATRICE**

Pos.	Q.tà	UM	Codice	Descrizione
2	1.0000	pz	SBA0003002	Struttura motorizz. inf. c/ins.
3	1.0000	PZ	S3803595ZZZ	RIDUTT.MOTOVARIO 1:20 ALBERO
4	3.0000	PZ	S340037193Z	VITE TE M5X12 ZINCATA
5	3.0000	PZ	S340032993Z	VITE TE M5X16 ZINCATA
6	15.0000	PZ	S340006193Z	RONDELLA PIANA X VITE M5 ZINC.
7	2.0000	PZ	S450491247Z	SQUADRETTA RINFORZO SPALLE S2 SA2 SR4
8	12.0000	PZ	S340058493Z	VITE TCEI M8X16 ZINCATA
9	14.0000	PZ	S340012393Z	RONDELLA PIANA X VITE M8 ZINC.
10	2.0000	PZ	S331606293A	DISTANZIALE X PULEGGE MOTRICI SA2 SR4
11	2.0000	PZ	S4705876ZZZ	PULEGGIA MOTRICE ASS.C/ANELLI
12	4.0000	PZ	S310054048Z	ANELLO PER PULEGGIA
13	2.0000	PZ	S350051593Z	DADO SPEC.AUTOBLOCC.M20X1 ZINC
14	2.0000	PZ	S470852800B	CARRELLO TENDICINGHIA ASS.SA2 SR4
15	2.0000	PZ	S440568793C	CARRELLO TENDICINGHIA ASS. SA2 SR4 ZINC.
16	2.0000	PZ	S4601730ZZZ	PULEGGIA FOLLE COMP.
17	2.0000	PZ	S330491693Z	RONDELLA /6,5/30X5
18	2.0000	PZ	S340002492Z	RONDELLA ELASTICA X M6
19	2.0000	PZ	S340057793Z	VITE TCEI M6X16 ZINCATA
20	2.0000	PZ	S350180293Z	DIST.PERNO MOT.INF. 200A-700A-700R 3M
21	2.0000	PZ	S340043893Z	DADO AUTOBLOCCANTE M10 BASSO
22	2.0000	PZ	S340170393Z	VITE TCEI M8X70 TUTTO FILET 200A-700A 3M
23	4.0000	PZ	S320290993Z	GUIDA SCORRIM.CINGHIA 200A
24	8.0000	PZ	S340005593Z	VITE TSVEI M5X20 ZINCATA
25	4.0000	PZ	S350185293Z	DIST.X CARTER LAT.200A-700A
26	4.0000	PZ	S340004593Z	VITE TE M5X20 ZINCATA
27	2.0000	PZ	S3401771ZZZ	CING TRASCINAM.C/GIUNZ 75X1823 +-2,5 S2
28	1.0000	pz	SBA0003299	Gruppo azionamento valvola inferiore
29	1.0000	PZ	S440582247B	SUPPORTO LEVA INF.ASS.SR4 SR46
30	1.0000	PZ	S450485247Z	LEVA INF.CON INSERTI SR4
31	1.0000	PZ	S310083705Z	CAMMA AZIONAM.VALVOLE
32	1.0000	PZ	S4204225ZZZ	CAMMA CON GOMMA
33	2.0000	PZ	S331525093Z	DISTANZIALE X LEVA
34	2.0000	PZ	S331525193Z	DISTANZIALE X SUPPORTO
35	2.0000	PZ	S340038293Z	VITE TCEI M5X40 ZINCATA
36	2.0000	PZ	S340056393Z	VITE TCEI M5X55 ZINCATA
37	5.0000	PZ	S340025993Z	DADO AUTOBLOCCANTE M5 ZINCATO
38	1.0000	PZ	S340022893Z	VITE TCBCR AUTOF.8PX13 ZINCATA
39	1.0000	PZ	S330580093Z	PERNO ATTACCO MOLLA
40	1.0000	PZ	S370022794Z	MOLLA PORTALAMA K9-K13/3M NIK.
41	1.0000	pz	SBA0003298	Valvola inferiore assemblata
45	2.0000	PZ	S340272793Z	VITE TCEI M3X35 ZINCATA
46	4.0000	PZ	S340055893Z	RONDELLA PIANA X VITE M3 ZINC.
47	2.0000	PZ	S340034193Z	DADO ESAGONALE M3
48	2.0000	PZ	S331611993A	DISTANZIALE X VALVOLA INF.SR4
49	2.0000	PZ	S340016093Z	VITE TCEI M6X20 ZINCATA
50	1.0000	PZ	S320591240A	CARTER PER LEVE INF.SA2-SR4
51	2.0000	PZ	S331537293B	RONDELLA PER FISSAGGIO CARTER LEVA ZINC.
52	2.0000	PZ	S340005393Z	VITE TSVEI M6X16 ZINCATA

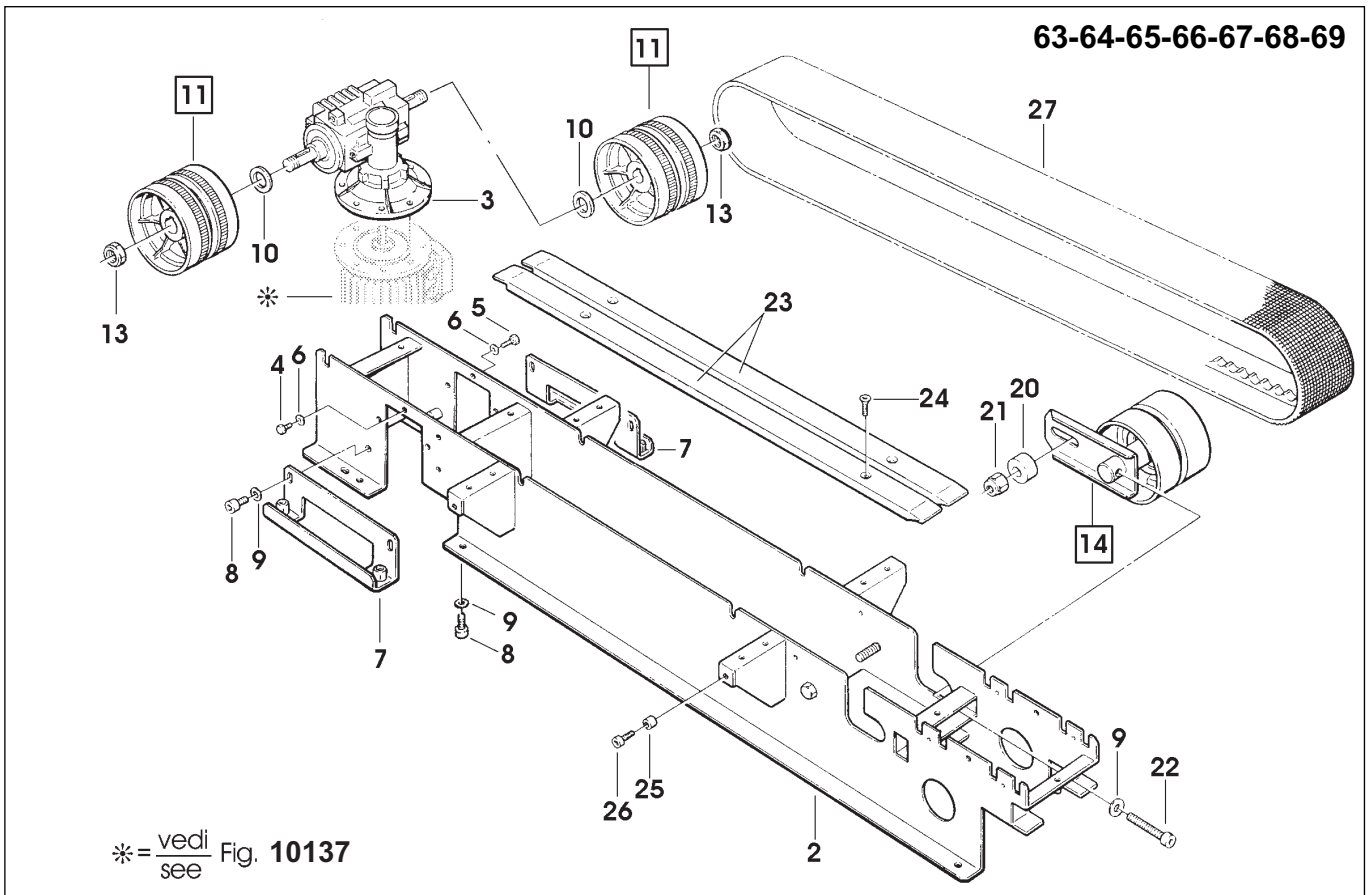
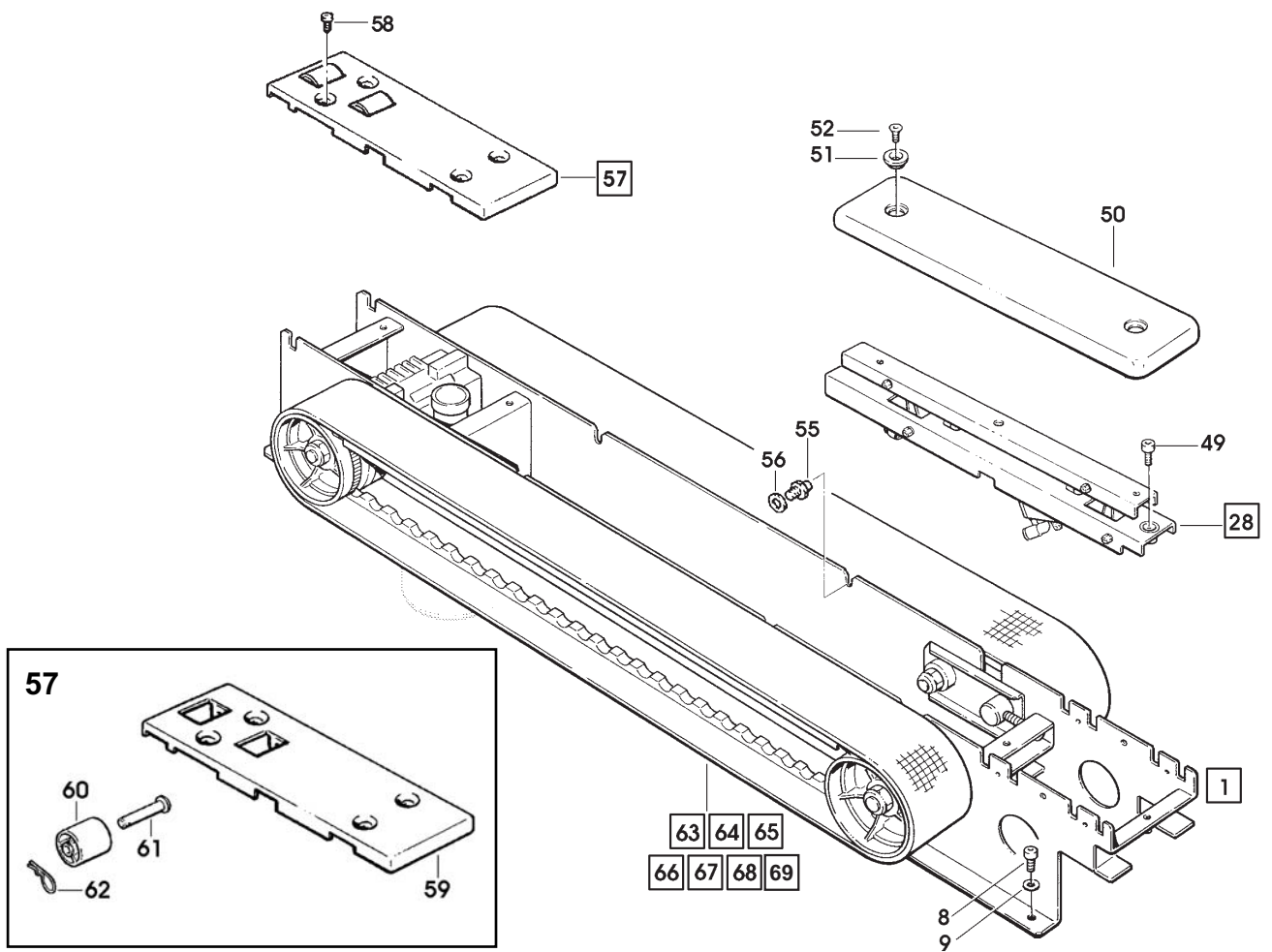


Fig. 15006 MOTORIZZAZIONE INFERIORE**SEB0000372****SR46-S NASTRATRICE**

Pos.	Q.tà	UM	Codice	Descrizione
55	4.0000	PZ	S350179493Z	PERNO ATTACCO UNITA'SUP.-INF.
56	4.0000	PZ	S320387698Z	ROND INOX X BEARING GR. ENTRATA K13
57	1.0000	pz	SBA0002883	Pianetto a rulli posteriore ass.
58	4.0000	PZ	S340170893Z	VITE TESTA MEZZA TONDA CROCE M5X16 PER 7
59	1.0000	pz	SBC0003815V	Pianetto a rulli posteriore
60	2.0000	PZ	S3100564ZZZ	RULLINO /32X38
61	2.0000	PZ	S331070293Z	PERNO X RULLINI BANCALE 800a3M
62	2.0000	PZ	S370001296Z	MOLLETTA H75/H100 800a/800ab
63	1.0000	pz	SBA0004777	MOT. INFER 100V 50/60HZ MH63 SR46 KYOWA
64	1.0000	pz	SBA0004775	MOT. INFER. 110/115V 60HZ MH63 SR46
65	1.0000	pz	SBA0004772	MOT. INFER. 200/220V 50/60HZ H63 SR46
66	1.0000	pz	SBA0004776	MOT. INFER. 220/230/240V 50HZ MH63 SR46
67	1.0000	pz	SBA0004773	MOT. INFER. 220/240V 50HZ H63 SR46
68	1.0000	pz	SBA0004784	MOT. INFER. 220V 60HZ MH63 SR46
69	1.0000	pz	SBA0004774	MOT. INFERIORE 440V 50HZ H63 SR46

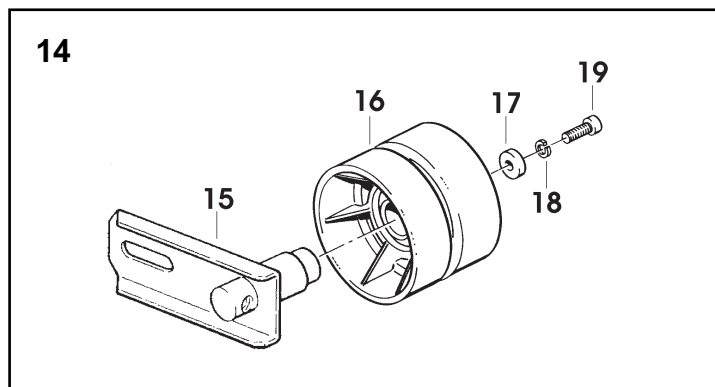
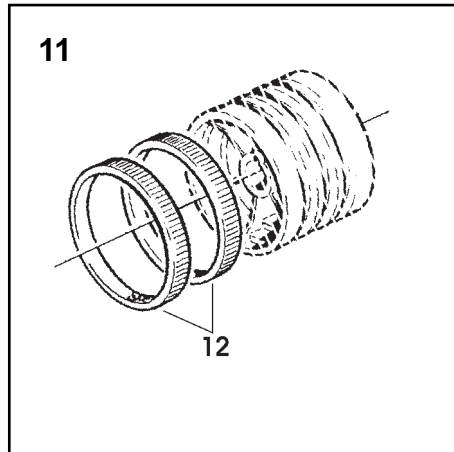
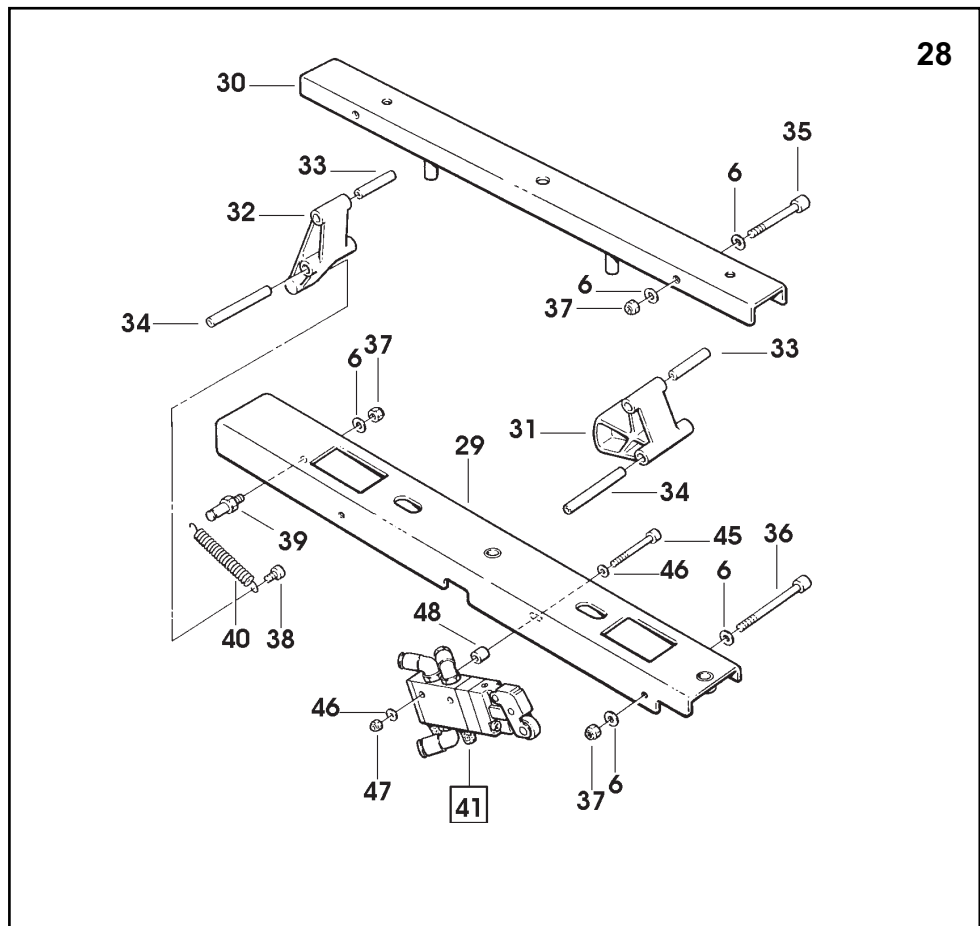
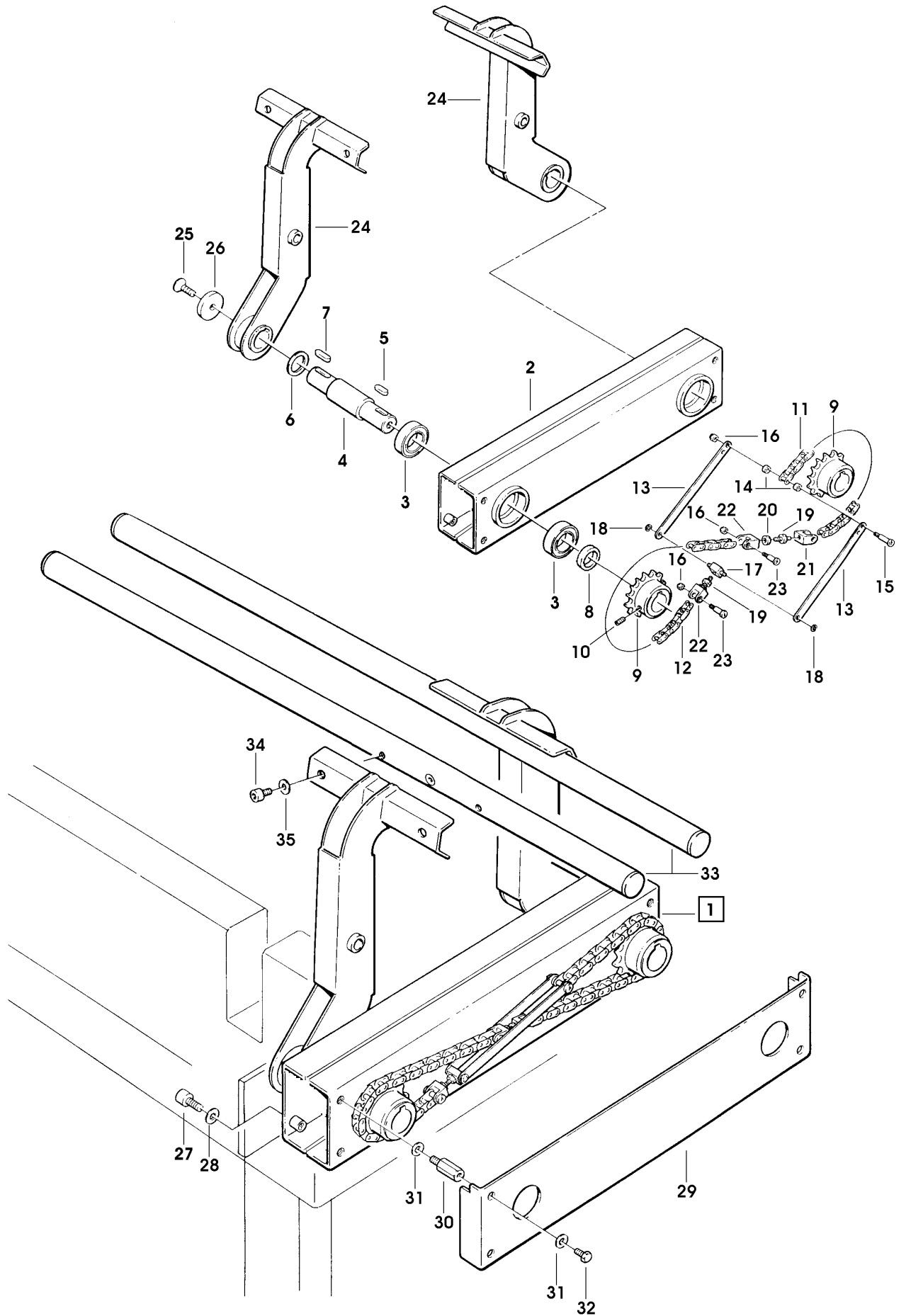


Fig. 15007 CENTRATORE**SEB0000372****SR46-S NASTRATRICE**

Pos.	Q.tà	UM	Codice	Descrizione
1	1.0000	pz	SBA0004517	Gruppo centratore leve
2	1.0000	pz	SBA0004255	Cassonetto centratore c/ins.
3	4.0000	PZ	S3400156A	CUSCINETTO 6005-2RS1 SKF NTN
4	2.0000	PZ	S330958292Z	ALBERO PER LEVE CENTRATORE BR. AS24
5	2.0000	PZ	S3400238ZZZ	LINGUETTA 6X6X20
6	2.0000	PZ	S331611793A	DISTANZIALE X LEVE SA2 SR4
7	2.0000	PZ	S3400641ZZZ	LINGUETTA 6X6X25
8	2.0000	PZ	S330958693Z	DISTANZIALE X CUSCIN.AS24 ZINC
9	2.0000	PZ	S330958793Z	(C) PIGNONE CON MOZZO 3/8"Z=20 ZINCATO
10	2.0000	PZ	S340059992Z	GRANO EIPP M6 X 8
11	1.0000	pz	SCA0000363	Spezzone catena aperto P=3/8" L=38passi
12	1.0000	pz	SCA0000362	Spezzone catena aperto P=3/8" L=57passi
13	2.0000	PZ	S320103793Z	TIRANTE X CATENA SM/XL/3M
14	2.0000	PZ	S330560593Z	RONDELLA /3/10X3 ZINCATA
15	1.0000	PZ	S330618592Z	VITE SPEC.TC M3X25
16	4.0000	PZ	S340101493Z	DADO AUTOBLOCCANTE M3 ZINCATO
17	1.0000	PZ	S330560493Z	BLOCCETTO FISS.CATENA
18	2.0000	PZ	S340090592Z	ANELLO SICUREZZA 3,2 DIN 6799
19	2.0000	PZ	S330560293Z	VITE TENDICAT.DX/SX SM4/F-104
20	2.0000	PZ	S340000293Z	DADO M6 ZINCATO
21	1.0000	PZ	S330589993Z	FORCELLA DESTRORSA SM4/F-104
22	2.0000	PZ	S330560393Z	FORCELLA SINISTROSA F-104
23	3.0000	PZ	S330618492Z	VITE SPEC.TC M3X20
24	2.0000	PZ	S440581440A	LEVA ASS.SA2 SR4
25	2.0000	PZ	S340004893Z	VITE TSVEI M8X16 ZINCATA
26	2.0000	PZ	S330958393Z	RONDELLA CENTRATORE AS24 ZINC.
27	4.0000	PZ	S340012293Z	VITE TCEI M8X20 ZINCATA
28	4.0000	PZ	S340012393Z	RONDELLA PIANA X VITE M8 ZINC.
29	1.0000	pz	SBC0003789V	Carter centratore
30	1.0000	pz	SBC0006386T	Distanziale fissaggio carter cassonetto
31	1.0000	PZ	S340012393Z	RONDELLA PIANA X VITE M8 ZINC.
32	1.0000	PZ	S340032493Z	VITE TE M8X16 ZINCATA
33	1.0000	PZ	S470898700B	GUIDA PER SCATOLE ASS.SR4
34	4.0000	PZ	S340016093Z	VITE TCEI M6X20 ZINCATA
35	4.0000	PZ	S340017593Z	RONDELLA PIANA X VITE M6 ZINC.



SR46-S

Gen. 2007

Fig. 15007

Fig. 15008 GRUPPO IMPIANTO ELETTRICO**SEB0000372****SR46-S NASTRATRICE**

Pos.	Q.tà	UM	Codice	Descrizione
1	1.0000	PZ	S450487147Z	SUPPORTO INTERRUTTORE C/INSERTI SA2 SR4
2	4.0000	PZ	S3800854ZZZ	BOCCHETTONE SKINTOP ST 16
3	4.0000	PZ	S3803846ZZZ	CONTRODADO GMP16
4	2.0000	PZ	S3801704ZZZ	CAVO VIN.3X1,5 MT.5 X MF
5	1.0000	PZ	S3802654ZZZ	CAVO 3X1 C/2 ROSSI + 1 GIALLO/ VERDE (MT
6	4.0000	PZ	S340031893Z	VITE TCEI M5X12 ZINCATA
7	4.0000	PZ	S340006193Z	RONDELLA PIANA X VITE M5 ZINC.
8	1.0000	PZ	S3805125ZZZ	CUSTODIA ISOLANTE 3ZV1913-1A S00 IP55 SI
9	2.0000	PZ	S340013093Z	VITE TSVEI M4X15 ZINCATA
11	1.0000	PZ	S3805117ZZZ	INTER.AUT. 3RV1011-1BA10 S00 1.4-2A 100K
12	1.0000	PZ	S3805120ZZZ	INTER.AUT. 3RV1011-1HA10 S00 5.5-8A 100K
13	1.0000	PZ	S3805122ZZZ	BOBINA DI MINIMA TENS 230V 3RV1902-1AP0
16	1.0000	PZ	S3805121ZZZ	BOBINA DI MINIMA TENS 110V 3RV1902-1AF0
17	1.0000	PZ	S3805116ZZZ	INTER.AUT. 3RV1011-0KA10 S00 0.9-1.25A 1
18	1.0000	PZ	S3805119ZZZ	INTER.AUT. 3RV1011-1FA10 S00 3.5-5A 100K
19	2.0000	PZ	S3801703ZZZ	CAVO VIN.4X1,5 MT.5 X 3F
21	1.0000	PZ	S3802389ZZZ	CASSETTA DI DERIVAZIONE 120X80X50 800af
22	0,4100	PZ	S3801480ZZZ	MORSETTIERA NYLON D.10 12PEZZI
23	2.0000	PZ	S340218193Z	VITE TCBCR AUTOF.4,2X19 800af
24	9.0000	PZ	S3802139ZZZ	BOCCHETTONE SKINTOP ST11
25	7.0000	PZ	S3802143ZZZ	CONTRODADO GMP11
26	1.0000	PZ	S3802141ZZZ	BOCCHETTONE SKINTOP ST13,5
27	2.0000	PZ	S3802144ZZZ	CONTRODADO GMP13,5
28	4.0000	PZ	S340039093Z	VITE TCEI M4X12 ZINCATA
29	2.0000	PZ	S340004393Z	RONDELLA PIANA X VITE M4 ZINC.
30	2.0000	PZ	S3801241ZZZ	FASCETTA L=140x3,5 (NERA)
35	1.0000	PZ	S3805198ZZZ	PULSANTE EMERG. 3SB3000-1HA20
36	1.0000	PZ	S3805197ZZZ	CONTATTO NC 3SB3420-0C
37	1.0000	PZ	S3805196ZZZ	SCATOLA GIALLA 3SB3801-0AC
38	1.0000	PZ	S471168900A	PULSANTE EMERGENZA ASS.SM/XL "SIEMENS"
39	1.0000	PZ	S3803701ZZZ	CAVO FROR 07 3X1 (MT5)
40	2.0000	PZ	S3802989ZZZ	CAVO FROR 07 5X1,5 GRIGIO MT.5
41	1.0000	PZ	SBB0001065	INT.ASS. SR46 200/220V 50/60HZ 3F
42	1.0000	PZ	SBB0001071	INT.ASS. SR46 100V 50/60HZ MF KYOWA
43	1.0000	PZ	SBB0001069	INT.ASS. SR46 115V 60HZ MF
44	1.0000	PZ	SBB0001070	INT.ASS. SR46 220/240V 50HZ MF
45	1.0000	PZ	SBB0001070	INT.ASS. SR46 220/240V 50HZ MF
46	1.0000	PZ	SBB0001067	INT.ASS. SR46 440V 50HZ 3F
47	1.0000	PZ	SBB0001073	SCATOLA DI DERIVAZIONE SR46 MF 110V
48	1.0000	PZ	SBB0001074	SCATOLA DI DERIVAZIONE SR46 MF
49	1.0000	PZ	SBB0001072	SCATOLA DI DERIVAZIONE SR46 3F

