

JOPEVI[®]

MODEL J-21

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J-21 PNEUMATIC HAND FEED GROMMET & WASHER SETTING MACHINE



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INTRODUCTION

PNEUMATIC MACHINE MODEL J-21 FOR PLACING APPLICATIONS BY HAND.

The function of this machine is the placement of applications or to punch holes (maximum interior diameter of tube grommet 14mm) in materials that need these applications.

Specially recommended for placing grommets and washers in: awnings, curtains, advertising signs, etc.

WARNINGS.-

- User unawareness of the machine leads on many occasions to elementary doubts about its operation.
- Please read this instruction manual carefully for your guidance, in order to make the most of your machine.
- We hope you will take notice of these warnings and we would like to thank you for the purchase of this machine.

**JOPEVI, S.L. DECLINES ALL RESPONSABILITY ON THE INCORRECT USE
OF THIS INSTRUCTION MANUAL.**

IDENTIFICATION OF THE MACHINE.-

The machine has an aluminium plate indicating the following:

Name of manufacturer
Year of manufacture
Model and serial number
Power in kw
Maximum pressure in bars (pneumatics system)
EC Brand
Weight in kg

JOPEVI® S.L.			
Elche Parque Industrial C/ Nicolas De Bussi, 32			
Tel.: 34-96 66510 08 - Fax: 34-96 665 10 03			
Modelo	<input type="text"/>	Nº	<input type="text"/>
Pot.Kw.	<input type="text"/>	Pres.Max.Bars.	<input type="text"/>
Año Fab.	<input type="text"/>	Peso	<input type="text"/> Kg.

Text: 5/4/2006

CHAPTER I

CHARACTERISTICS

1.1. DESCRIPTION OF THE MACHINE AND ITS OPERATION.

PNEUMATIC MACHINE MODEL J-21 FOR PLACING GROMMETS WITH WASHERS BY HAND.

(See figure 1)

The machine consists of a metallic stand on which the head is mounted:

- 1) The pneumatic pedal is located in the stand.
- 2) The moving parts in the machine are located inside the head (pneumatic cylinder, manometer, axles, dies, etc.).

After placing the machine in its permanent location, without fitting the air hosepipe into the mouth of the compressor, verify that it has not suffered any blow or breakage while being transported and that it has not any loose parts.

The operation of the machine is very simple:

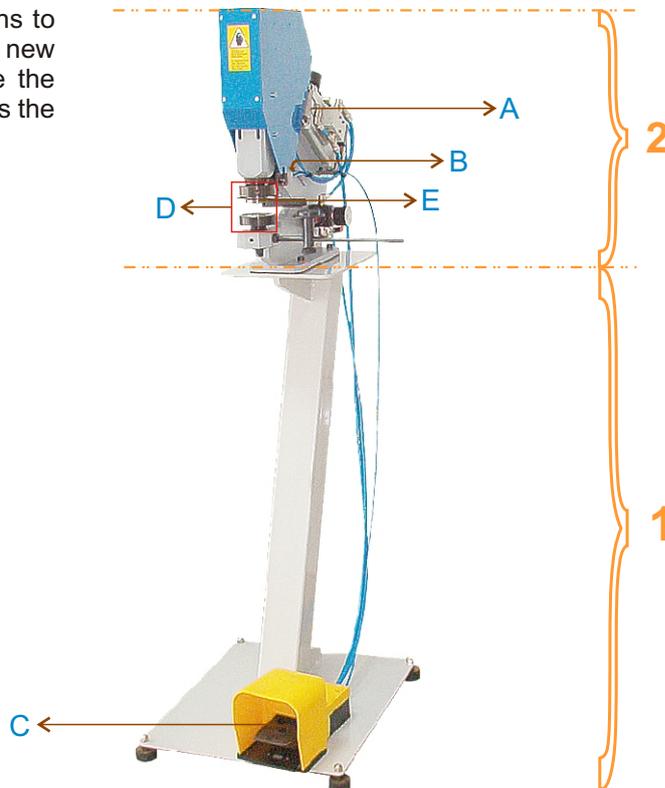
When pressing the pedal "C" a pneumatic safety cylinder nº 265 "B" is activated. The safety cylinder causes the ring guard nº 306 "E" to descend right to the point where it can check that there are not any fingers or hands in the grommeting area "D" and activates the micro end of race nº 267 which sets the pneumatic cylinder nº 271 "A" in motion.

The pneumatic cylinder nº 271 "A" causes the vertical axles to descend. Attached to the lower part of the vertical axles are the top set spindle nº 218 and the top die nº 217 that does the grommeting.

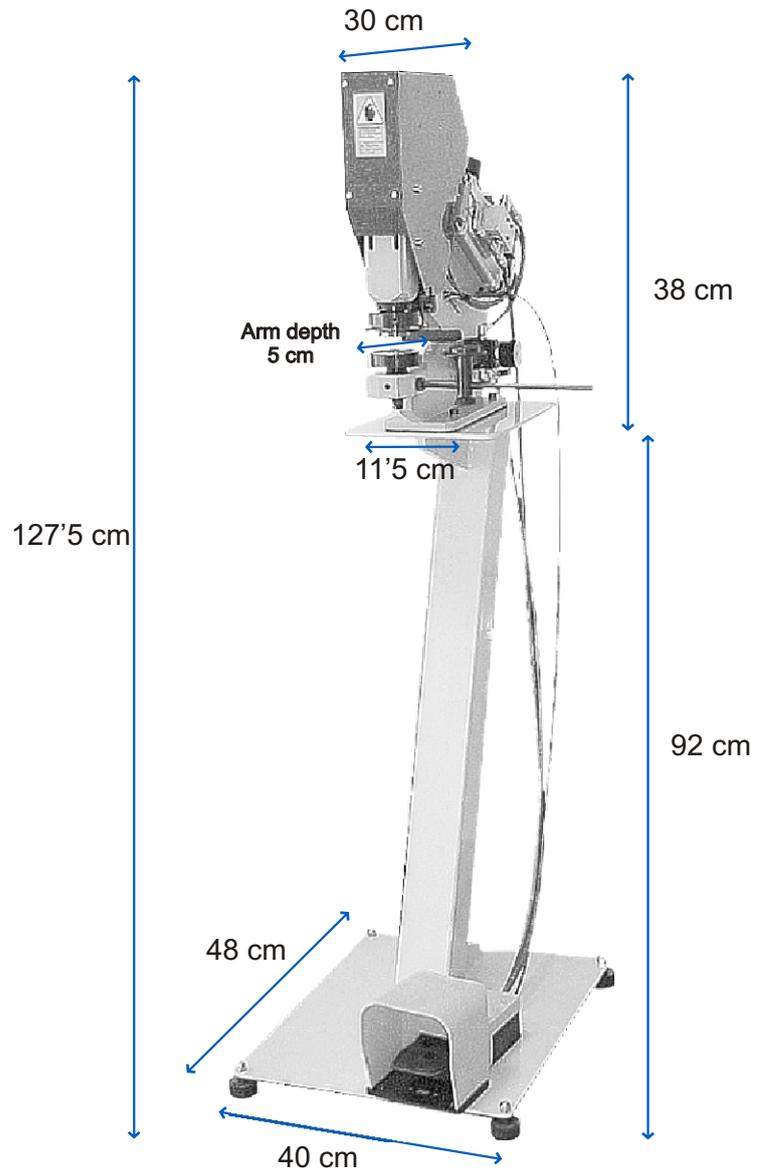
The aim of the downward movement of the axles is to cause the top-set spindle nº 218 to punch out a hole in the material and to set the grommet situated in the grommeting area "D", by means of the pressure that the top-die nº 217 puts on the bottom die nº 219.

FIGURE 1

After this cycle the machine returns to its starting position ready for a new application as soon as you place the grommet and the washer and press the pedal "C".



1.2. TECHNICAL DATA.



HEAD MEASUREMENTS.-

DEPTH: 30 cm
 WIDTH: 11'5 cm
 HEIGHT: 38 cm
 WEIGHT (with pneumatic pedal): 14 Kg

MEASUREMENTS WITH THE METALLIC STAND.-

DEPTH: 48 cm
 WIDTH: 40 cm
 HEIGHT: 127'5 cm
 WEIGHT: 33 Kg

BARS (Normal pressure): 6 Bars.
 ELECTRICAL DEVICES: Laser pointer (optional).

BARS (Normal pressure): 6 Bars.
 ELECTRICAL DEVICES: Laser pointer (optional).

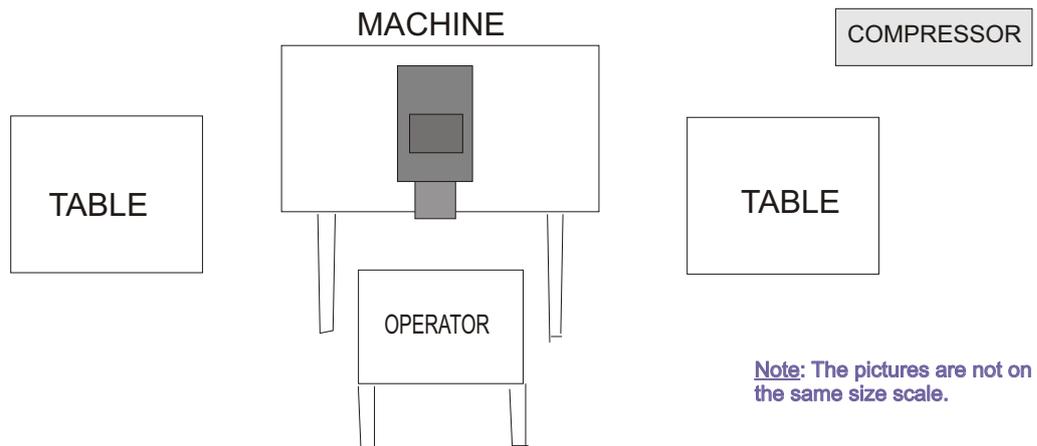
CHAPTER II**INSTALLATION****2.1. MINIMUM SPACE; PNEUMATIC INSTALLATION, POSITIONING THE MACHINE.**

As indicated in the figure below, the operator can work in a seated or a standing position, depending on the height of the machine.

The minimum space recommended must be sufficient to keep the safety space in all directions for the operator to work properly. The buyer of the machine usually places the machine on a table.

The machine model J-21 needs at least 6 atmospheres of pressure from the air compressor.

WARNING: FOR BETTER OPERATION THE COMPRESSOR HOSEPIPE SHOULD NOT BE COMPLETELY STRETCHED.

**2.2. MACHINE HANDLING.**

The transportation of this machine requires a series of operations. Some of these operations may imply dangerous situations so please follow the following advise:

- Never stand beneath the cargo.
- Always lift the cargo gently.
- Avoid balancing the cargo.
- No brisk movements.
- Do not place yourself in the cargo moving trajectory.
- Use the correct equipment to move cargos.
- Check this equipment periodically.

The machine will carry packaging which is sufficient to avoid knocking or scraping any of its components. We advise that wooden packaging, in box or cage form, should always be used, always with adequate protection and the machine properly secured. The machines should always travel in the vertical position and never be overturned.

REMEMBER

THE MACHINE MUST NOT BE OVERTURNED.

2.3. UNLOADING AND LEVELLING.

The machine should be unloaded by means of a crane, using ropes at both sides of the box. If the machine comes in a box or cage, it can be unloaded using a fork lift.

When the machine is on the floor, totally unpacked, it is to be transported by means of a pallet jack to its permanent location.

The machine comes out of the factory totally leveled, and does not need to be secured to the floor.

It incorporates rubber leg tips for it not to move with vibration during use.

The floor underneath should be firm and strong.

2.4. LOCAL CONDITIONS.

In order to create optimum working conditions, the machine should be situated beneath a light source of 300 lux minimum

2.5. LEARNING INSTRUCTIONS.

[BEFORE STARTING THE MACHINE, READ THESE WARNINGS CAREFULLY.](#)

The following are a series of instructions and warnings which must be taken into account with regard to the model J-21.

- Before connecting the machine to the compressor, it should be placed in its permanent location. Do not connect any electrical devices to the machine before it has been placed in its permanent location.

- Cleaning, manipulation and replacement of parts of the machine must always be carried out with the machine disconnected from the mains power supply.

- Do not remove from the machine any parts which protect the user from possible accidents, or adhesive labels or signs indicating electrical or hazardous components.

- The machine has an air inlet handle (part nº 260) which is used to let the air into the machine. When the machine is not in use, it should be shut in order to avoid any accidents in case of manipulation by third persons.. We also recommend you disconnect the air hosepipe from the compressor for safety reasons.

CHAPTER III**MACHINE USES****3.1. MACHINE DESCRIPTION.**

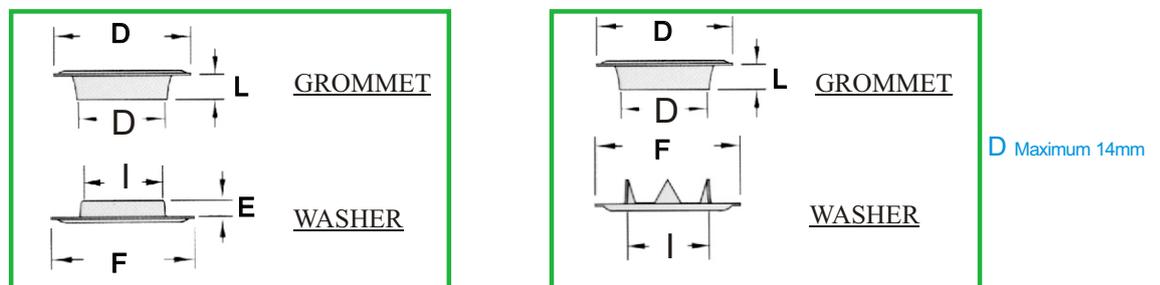
The J-21 model is a pneumatic machine designed to set grommets with washers by hand.

[Maximum interior diameter of tube grommet + washer 14mm.](#)

The machine perforates and sets the grommet with the washer at the same time.

Each set of dies sets only one grommet and washer model; the grommet models may differ in: the head size "D", the length "L", the interior diameter of tube "B", the thickness, etc; and the washer models may differ in: the exterior diameter "F", the length "E", the interior diameter of washer hole "I", the washer shape, etc.

JOPEVI, S.L. RECOMMENDS YOU TO USE ALWAYS THE SAME TYPE OF GROMMET AND WASHER FOR WHICH THE MACHINE WAS DESIGNED. In order for the machine to set different grommet and washer models, certain parts need to be changed.



In order for the machine to place different grommet models, certain parts need to be changed. SEE CHAPTER IV ADJUSTMENTS.

JOPEVI, S.L. will accept no responsibility arising from the use of this machine in any way different from that which is described in this instruction manual.

3.2. SETTING UP THE MACHINE FOR ITS OPERATION.

PLEASE VERIFY THESE ADJUSTMENTS BEFORE CONNECTING THE MACHINE.

Before starting the machine for the first time, and each time the location of the machine is changed, or any changes are made in parts or any adjustments are done to it, we recommend the following steps:

After placing and making the machine level in its permanent location **"STILL WITHOUT PLUGGING IT IN"**, lubricate it with SAE 40 type oil in the grease cups and red marks. Let the oil have enough time to cover the parts and then clean the excess oil that might remain or drip.

To verify the machine is not blocked or might have suffered a blow or breakage:

- 1- Remove the top cover n° 162,
- 2- Verify the machine is not blocked or has any loose parts,
- 3- Put the cover back n° 162 and fasten the 4 allen screws,
- 4- Lubricate the parts as indicated.

3.3. OTHER MACHINE USES.

For punching holes in the material without setting the grommets you have to use a set of dies specific to this task. Maximum hole 14mm.

Chapter IV - Adjustments - Point 4.4. Perforating only , page 11.

THIS MACHINE MUST NOT BE USED FOR ANY FUNCTION OTHER THAN THAT FOR WHICH IT WAS ORIGINALLY DESIGNED AND WHICH IS SPECIFIED IN THIS INSTRUCTION MANUAL: PLACING GROMMETS AND WASHERS BY HAND, OR PUNCHING HOLES IN MATERIALS USED FOR THE FOOTWEAR SECTOR, THE OUTFITTING SECTOR, THE TEXTILE SECTOR, THE GRAPHICARTS SECTOR, ETC.

JOPEVI, S.L. DECLINES ALL RESPONSIBILITY ARISING FROM THE INCORRECT USE OF THIS MACHINE.

FIGURE 2

Note: The pictures are not on the same size scale.



CHAPTER IV**ADJUSTMENTS****DISCONNECT THE MACHINE TO CHANGE THE DIES, ADJUST THE PRESSURE, ETC.**

For an optimal operation, the machine has to be adjusted for each type of material and grommet, keeping the parts that do the grommets (dies and spindle) in good condition.

The bottom and top dies n° 219 and 217, and the top set spindle n° 218 are the parts that need to be replaced regularly due to the normal use of the machine. You will realize that they have to be replaced when the machine does not cut cleanly and / or the grommets is defective. We recommend you always have spare dies.

If you have to remove any part meant for the safety of the operator in order to do these adjustments (for example: acrylic cover, ring guard), remember to put them back where they belong.

4.1. CHANGE OF DIES FOR THE SAME GROMMET AND / OR WASHER SIZE.**Changing the bottom die n° 219:**

With the machine disconnected from the compressor (and from the power source if it has any electrical devices).

- Shut the air inlet part n° 260,
- Turn the ring guard n° 306 by loosening the allen screw n° 278 that holds it,
- Get the puncher into the side hole of the die n° 219, and then turn it unclockwise in order to unscrew the die,
- Fit in the new bottom die n° 219 and secure,
- Put back the ring guard n° 306 and secure it through allen screw n° 278,
- Adjust the cutting and grommets pressure, SEE CHAPTER 4.2. PRESSURE ADJUSTMENTS, page 10,
- Check the ring guard adjustments, SEE CHAPTER 4.3. RING GUARD ADJUSTMENTS, page 11.

Changing the top-set spindle n° 218 and the top die n° 217:

With the machine disconnected from the compressor (and from the power source if it has any electrical devices).

- Shut the air inlet part n° 260,
- Turn the ring guard n° 306 by loosening the allen screw n° 278 that holds it,
- Turn the nut n° 238 slightly unclockwise,
- In order to remove the top die n° 217 together with the top-set spindle n° 218, you will have to fit the puncher into the side hole of the top die n° 217, and turn it unclockwise,
- Fit in the new spindle n° 218 and the new top die n° 217,
- in order to screw in the top die n° 217 together with the top set spindle n° 218 you will have to get the puncher into the side hole of the top die n° 217 and turn it clockwise,
- Turn the nut n° 238 slightly clockwise in order to fix the parts,
- Screw up the ring guard (through allen screw n° 278),
- Adjust the cutting and grommets pressure, SEE CHAPTER 4.2. PRESSURE ADJUSTMENTS, page 10,
- Check the ring guard adjustments, SEE CHAPTER 4.3. RING GUARD ADJUSTMENTS, page 11.

4.2. ADJUSTING THE TIGHTNESS OF SETTING.

The machine model J-21 can be adjusted for placing grommets with washers in different types of material and in different thicknesses.

Machine model J-21 has two vertical axles:

Nº 121 " The driving stem that adjusts the cutting pressure (to punch a hole in the material), and

Nº 122 " The top set spindle that adjusts the pressure of the grommeting.

CAUTION: For adjusting the pressure of the machine , it will be necessary to connect the air hosepipe to the compressor and open the air inlet handle nº 260. Please be very careful while doing these adjustments, always making sure that your hands and fingers are out of the grommeting area and that nobody can press the foot pedal, which would cause the top set to come down and catch our hand or finger.

For adjusting the cutting pressure (the cutting pressure punches a hole in the material), you have to turn the bottom die nº 219 to the right or to the left, so that when you start the machine and press the foot pedal, the top set spindle nº 218 barely touches the bottom die nº 219.

With the machine disconnected from the compressor (and from the power source if it has any electrical devices).

- Unscrew the threaded pin nº 194 that holds the bottom die holder nº 230,

- You must remember that the top set spindle nº 218 always reaches the same point on its way down and might hit the top of the bottom die nº 219. Get a puncher in the side hole of the die nº 219, turn it to the right or to the left until the bottom die is in the right position.

If you want to know whether the cutting pressure is correct, there is a simple way of checking it out: you get a puncher in the side hole of the bottom die nº 219 and by means of the puncher turn the bottom die nº 219 clockwise so it may come down a little bit, then get a piece of paper (**hold the piece of paper carefully, keeping you hands and fingers off the grommeting area**) in between the bottom die nº 219 and the top set spindle nº 218, then (**with the machine connected to the compressor and the air inlet nº 260 in the open position**) press the pneumatic pedal nº 204 while turning the bottom die nº 219 unclockwise until you manage to punch a hole in the piece of paper.

- Disconnect the machine from the compressor and shut the air inlet nº 260,

- Screw up the threaded pin nº 194 so that it holds the bottom die holder nº 230 and the bottom die nº 219.

- Check the ring guard adjustments, SEE CHAPTER 4.3. RING GUARD ADJUSTMENTS, page 11.

If you wish to adjust the tightness of setting, you must turn the top die nº 217 to the right or to the left. The top dies is the die that does the grommeting.

With the machine disconnected from the compressor (and from the power source if it has any electrical devices).

- Unscrew the nut nº 238 slightly unclockwise,
- Get the puncher into the side hole of the die nº 217, turn it to the right or left by causing the top die nº 217 to move downwards or upwards until it reaches an optimum position. The higher the top die nº 217, the lesser the pressure of the grommeting.

In order to achieve the correct pressure (with the machine connected to the compressor the air inlet nº 260 in the open position, and with your fingers and hands out the grommeting area), press down the pedal nº 204 and then adjust the dies so that the distance at its lowest point between the top die nº 217 and the bottom die nº 219 should be the thickness of the material that you wish to use.

- Disconnected the machine from the compressor and shut the air inlet nº 260,
- Screw back in the nut nº 238,
- Verify the ring guard adjustments, SEE CHAPTER 4.3. RING GUARD ADJUSTMENTS, page 11.

After all the pressures and parts have been adjusted, you must verify that all the screws and nuts are tight.

4.3. RING GUARD ADJUSTMENTS.

Whenever the machine is adjusted or modified or some parts are changed it is necessary to adjust the safety device again (pneumatic safety cylinder nº 265, end of race nº 267, ring guard nº 306, etc) so that it may work properly.

- Connect the machine to the compressor and open the air inlet nº 260,
- The safety manometer nº 8 must indicate 1 kg by means of the safety control nº 7,
- Shut the air inlet nº 260 and disconnect the machine from the air compressor (and from the power source if it has any electrical devices), loosen the screw for holding ring nº 278 with the 3 mm allen wrench,
- Place the ring guard nº 306 at about 6 mm from the bottom die nº 219.

This adjustment can be done (with the air inlet nº 260 in the shut position and the machine disconnected from the compressor) by putting one side of the 4 mm allen wrench (it is supplied together with the machine) on top of the bottom die nº 219, you lower the ring guard nº 306 until it touches the side of the 4 mm allen wrench.

- Tighten the screw for holding ring nº 278 with the 3 mm allen wrench (it is supplied together with the machine).

Before connecting the machine to the compressor, verify that all the parts are tightened up.

4.4. PERFORATING ONLY.

If you wish to punch holes in the material, you must use a set of dies specific to this task. Ask you distributor for these parts or contact JOPEVI, S.L directly.

All the changes of parts, changes of dies, pressure adjustments, ring guard adjustments and other characteristics, are similar to the ones indicated for the setting of grommets with washers.

4.5. CHANGE OF DIES FOR ANOTHER GROMMET AND/OR WASHER SIZE.

The machine model J-21 can place different sizes of grommets and washers.

[Maximum interior diameter of tube grommet + washer 14mm.](#)

If you wish to set a new grommet and washer size, you will have to replace some parts of the machine.

- The new set of dies for the new size,
- Adaptors for the new size. These adaptors are not always the same and vary according to the grommet and washer sizes.

In order to avoid any problems, JOPEVI, S.L recommends that whenever you ask for a new set of dies for a new grommet and washer size, please show us the following references:

- The reference of the machine,
- The reference of the grommet and washer models that the machine is setting,
- The reference of the new grommet with washer model that you want to place.

Apart from the new set of dies, the possible parts for setting another grommet and washer size are indicated with a * in page nº 21. [POSSIBLE PARTS FOR USING NEW DIES FOR NEW GROMMET + WASHER SIZES.](#)

With this information, we can show you the parts you must replace.

In case of an order, please send us some samples of the grommets and washers that you would like to use (about 50 grommets and washers).

The ring guard nº 306 varies in size according to the grommets and washers size.

The changes of dies and parts, the pressure adjustments, the possible breakdowns, etc, are the same that are shown in this manual.

REMEMBER THAT AFTER CHANGING DIES, YOU MUST ALWAYS ADJUST THE CUTTING AND THE GROMMETING PRESSURE AND ALSO THE RING GUARD.

CHAPTER V**MAINTENANCE****5.1. MECHANICAL PART OF THE MACHINE.**

For an optimal operation of the machine, it is recommended that you keep some parts clean and always lubricated. The cleaning should ALWAYS be done with the machine disconnected from the electrical power source and the compressor.

The pedal we press to operate the machine, should always be clean and clear of any debris that could prevent it's normal operation.

The exterior of the machine should be cleaned with a rag that will not leave threads, so that the threads can not be stuck to the machine.

The head of the machine has two exterior grease cups nº 62. You must use a manual pressure oil can to inject oil (the oil type to be used should be "SAE 40") into the grease cups two or three times a week. We recommend to do this at the end of the journey, and clean up the possible excess oil next day.

During the first month of operation it must be done twice per week. After the first month it only needs to be done once a week.

If the machine is going to go for a long period of time without use, it will be necessary to do a general cleaning, and greasing in the indicated spots, disconnecting it from the compressor or from the power source (if it has any electrical devices), and then cover it so that it is protected from the dust and/or humidity.

**5.2. PNEUMATIC PART OF THE MACHINE.**

The pneumatic part of the machine does not need any type of maintenance.

The machine must be connected to a compressor provided with an oil strainer, an air filter, and a manometre for adjusting the pressure.

5.3. ELECTRICAL PART OF THE MACHINE.

If the machine has a laser pointer set nº 155C (optional), does not need any type of maintenance or cleaning. **Remember that you must never shine it directly in anyone's eyes, and always keep it away from children.**



Part nº 155 Laser pointer
(optional)

CHAPTER VI

TROUBLE SHOOTING

<u>PROBLEM</u>	<u>CAUSE</u>	<u>SOLUTION</u>
THE MACHINE DOES NOT OPERATE WHEN PRESSING THE FOOT PEDAL.	Make sure that the air inlet hosepipe is connected to the compressor.	Connect it.
	Make sure that the air inlet handle part nº 260 is in the open position.	Open the handle nº 260.
	Make sure that the pneumatic compressor provides the J-21 machine with the correct air pressure, which is 6 atmospheres.	
DEFECTIVE GROMMETING.	The bottom die part nº 219 is worn out or broken.	Replace it with a new one. See chapter IV ADJUSTMENTS. 4.1.CHANGING DIES.
	Incorrect tightness of setting.	See chapter IV ADJUSTMENTS. 4.2. PRESSURE ADJUSTMENTS.
	Incorrect adjustment of pneumatic pressure.	The manometre nº 26 must indicate a minimum pressure of 6 kg.
IT WILL NOT CUT OR LEAVE MATERIAL RESIDUALS.	The bottom die part nº 219 or the top set spindle part nº 218 are worn out or broken.	Replace it with a new one. See chapter IV ADJUSTMENTS. 4.1. CHANGING DIES.
	Incorrect tightness of setting.	See chapter IV. ADJUSTMENTS. 4.2. PRESSURE ADJUSTMENTS.

CHAPTER VI**TROUBLE SHOOTING**

PROBLEM	CAUSE	SOLUTION
THE RING GUARD COMES DOWN, BUT THE DIE DOES NOT.	The height of the ring guard nº 306 is not adjusted properly.	See chapter IV. ADJUSTMENTS 4.3. RING GUARD ADJUSTMENTS.

Most information on adjustments is in chapter IV. ADJUSTMENTS, pages 9,10, 11 and 12.

Read these instructions carefully. If you have any doubt , please contact JOPEVI, S.L.

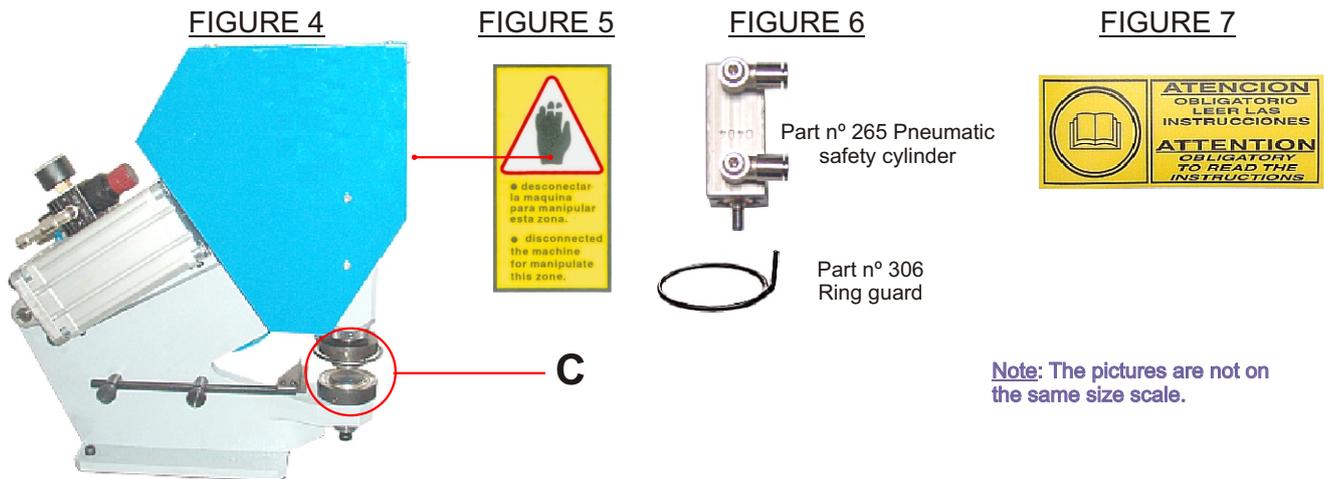
Generally difficulties may arise due to a bad manipulation of the machine, by a person who does not know the essential machine mechanisms.

FOR ANY OTHER CAUSE THAT IS NOT INDICATED, CALL THE NEAREST DISTRIBUTOR OR GET IN CONTACT DIRECTLY WITH US.

CHAPTER VII**SECURITY**

As we have indicated in the manual, the J-21 machine has a series of protection devices to prevent the operator from getting his fingers caught or any other kind of accident. **PLEASE DO NOT REMOVE THESE PROTECTION DEVICES.**

The most dangerous area in the J-21 is the grommeting area "C" where the operator may get his fingers or his hands caught. In order to prevent this, some protection devices have been installed:



Note: The pictures are not on the same size scale.

In figure 4 "C" we indicate the area we consider dangerous for the operator.

This area "C" is protected by:

A ring guard part n° 306 together with a pneumatic safety cylinder n° 265 indicated in figure 6, that prevents the main pneumatic cylinder from getting started if there is any obstacle in the grommeting area "C". Each grommet size has a different ring n° 306.

These protection devices are tightly held through screws, that prevent them from becoming detached.

All areas considered dangerous are marked and securely enclosed.

The sticker shown in figure 5 warns you that the grommeting area "C" is a dangerous area, and the machine must always be unplugged before making any adjustments in that area.

There is also another sticker on one of the sides of the machine warning the operator to read carefully the instruction manual, as shown in figure 7.

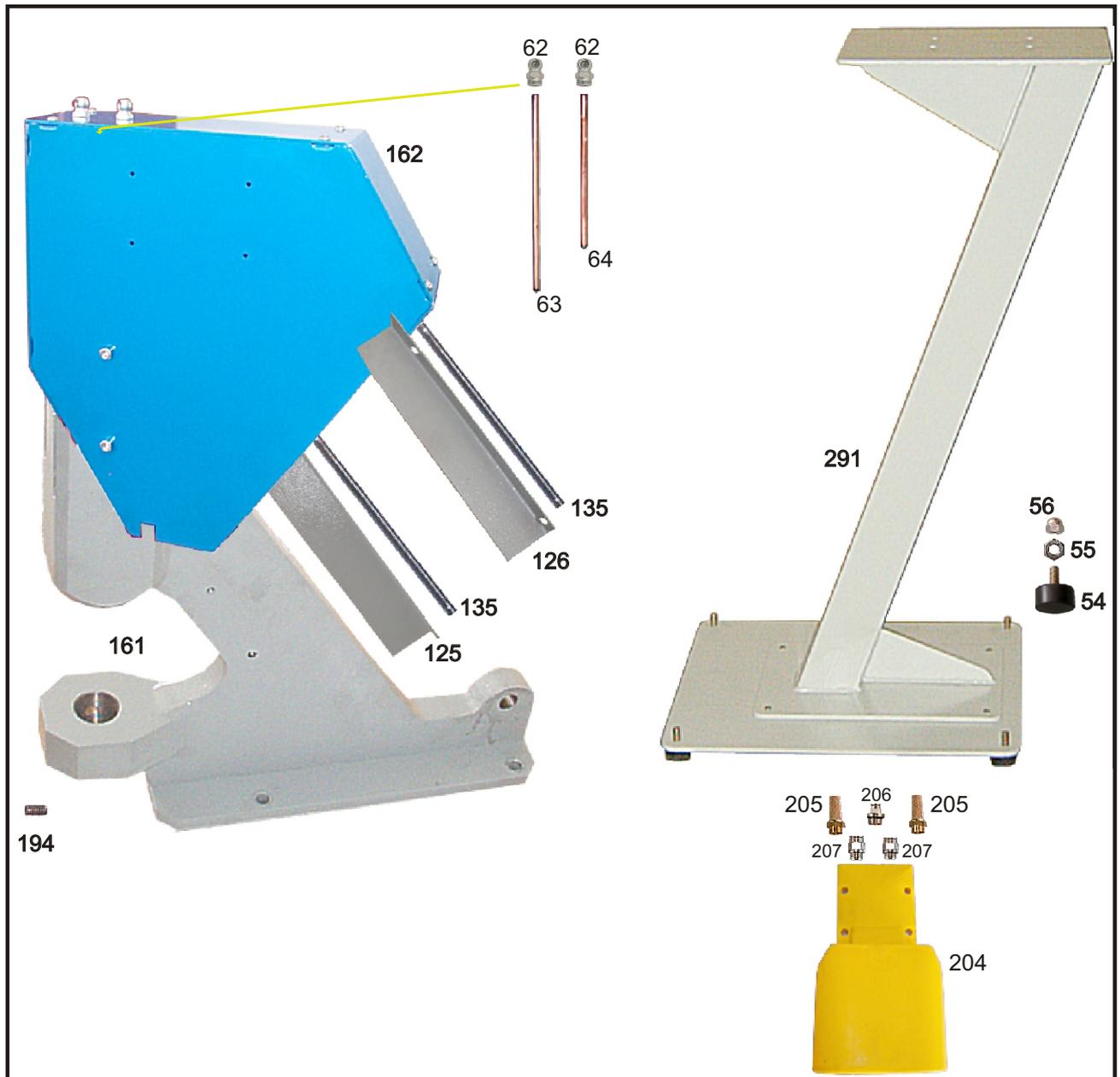
All mechanical and pneumatic parts are securely enclosed and tightly screwed up.

When the machine includes an optional device such as a laser pointer part n° 155C, you must not shine this pointer directly in anyone's eyes since it could be harmful, and keep it away from children.

We strongly warn you that for any adjustment or any other manipulation that needs to be done, the machine must be disconnected from the compressor air inlet and from the power source if you are using electrical devices.

For any problem that may arise and can not be solved, please call the nearest distributor or get in contact directly with JOPEVI, S.L.

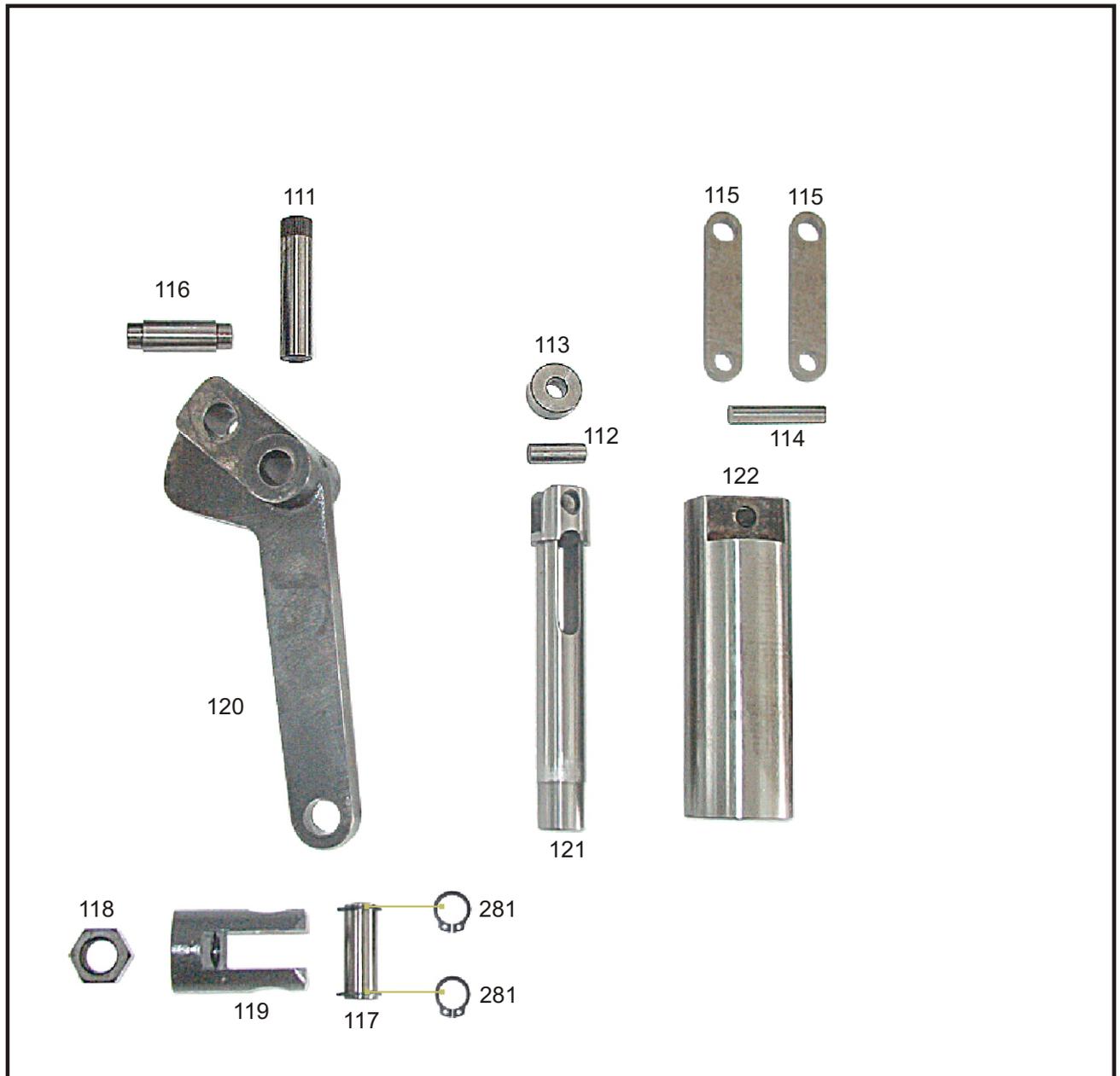
Note: The pictures are not on the same size scale.



Part nº 54 Rubber pad (4).
 Part nº 55 Nut for pad nº 54 (4).
 Part nº 56 Blind nut.
 Part nº 62 Grease cups (2).
 Part nº 63 Long lubrication tube.
 Part nº 64 Short lubrication tube.
 Part nº 125 Left cylinder guard.
 Part nº 126 Right cylinder guard.
 Part nº 135 Hold guard nº 125 and nº 126.
 Part nº 161 Head.
 Part nº 162 Top cover.
 Part nº 194 Threaded pin for bottom die holder nº 230.

Part nº 204 Pneumatic foot pedal.
 Part nº 205 Silencer ¼ (2).
 Part nº 206 Connector ¼ tube 4.
 Part nº 207 Connector ¼ tube 8 (3).
 Part nº 291 Metallic stand.

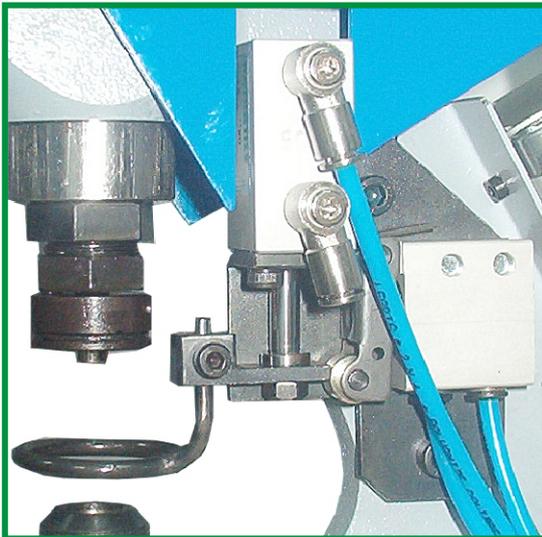
Note: The pictures are not on the same size scale.



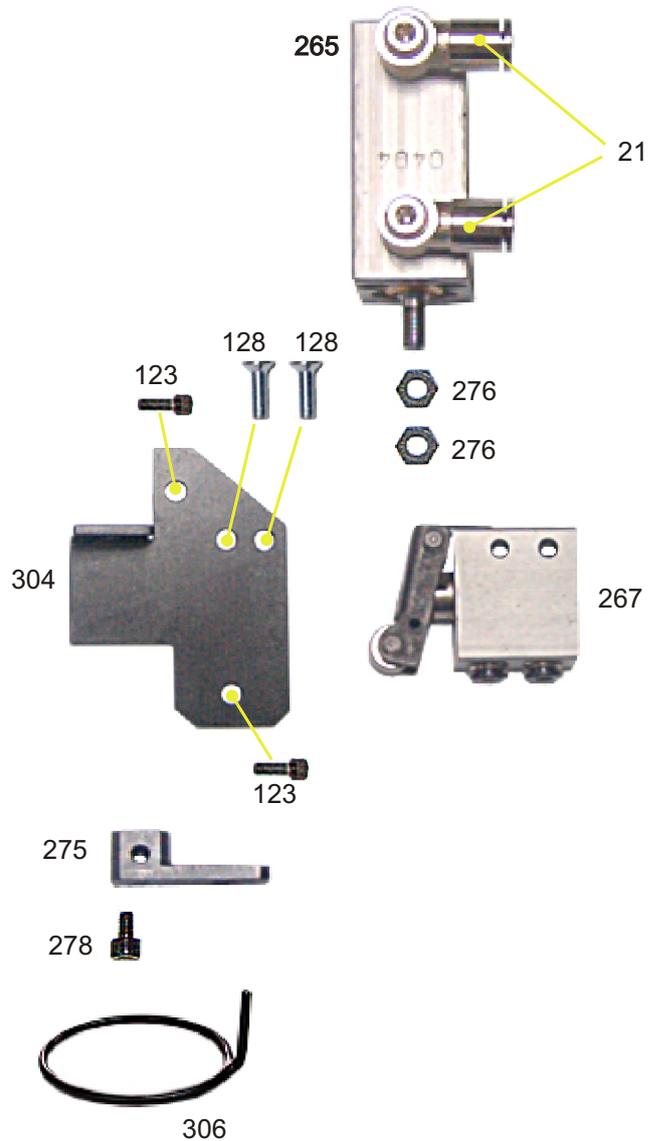
Part nº 111 Lever pin.
 Part nº 112 Guide wheel pin.
 Part nº 113 Driving stem guide wheel.
 Part nº 114 Pin for die spindle nº 122.
 Part nº 115 Connecting rod (2).
 Part nº 116 Pin for connecting rod nº 115.
 Part nº 117 Bolt for yoke nº 119.
 Part nº 118 Nut for yoke nº 119.
 Part nº 119 Yoke.
 Part nº 120 Lever.
 Part nº 121 Driving stem.
 Part nº 122 Top set spindle.

Part nº 281 Ring for 12 connecting rod pin (4).

Note: The pictures are not on the same size scale.

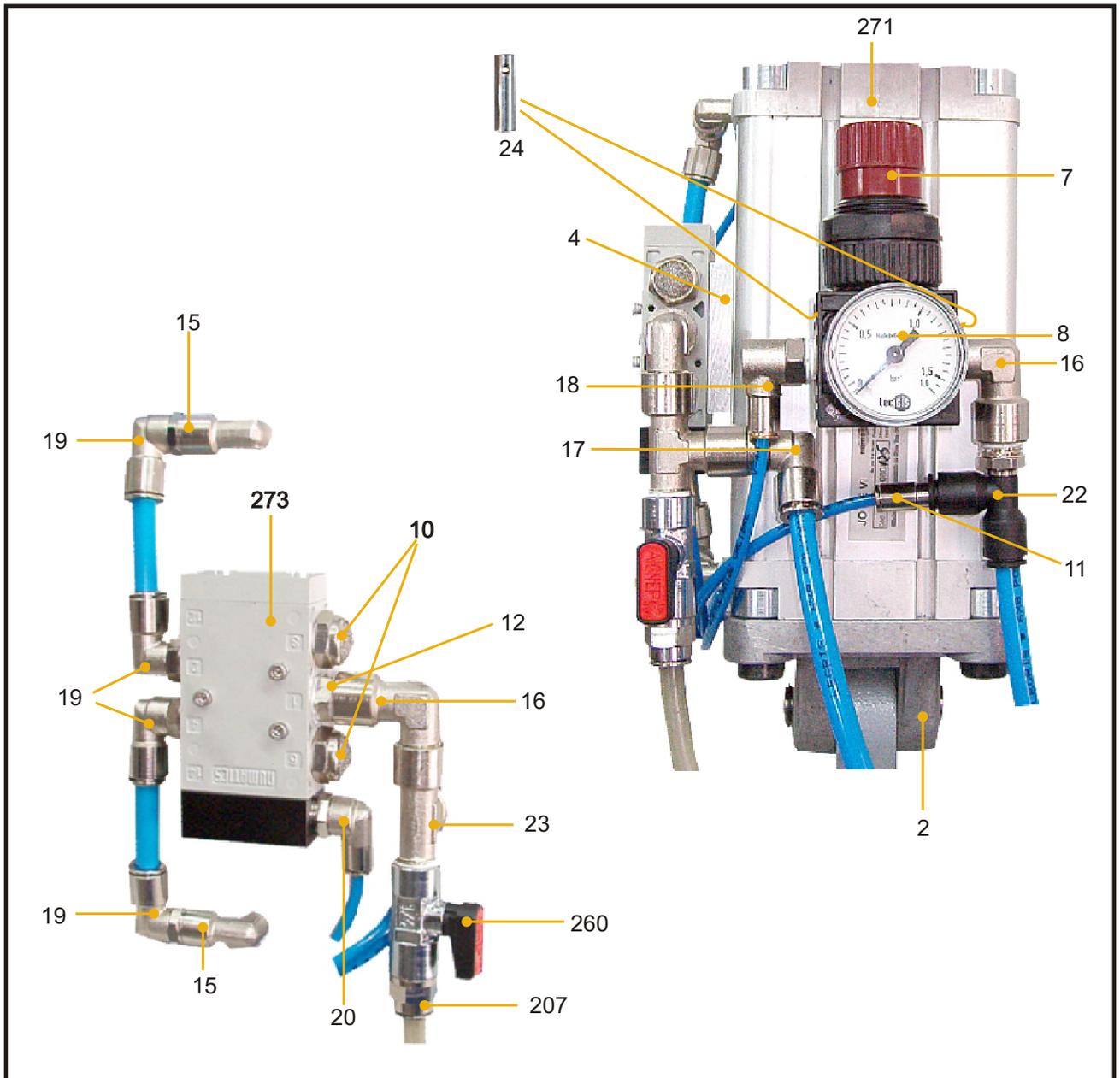


SAFETY PNEUMATIC



- Part nº 21 M5 Elbow tube (2)
- Part nº 123 Screw for part nº 304 (2)
- Part nº 128 Screw for holding part nº 267 (2)
- Part nº 265 Pneumatic safety cylinder 12 x 20
- Part nº 267 End of race
- Part nº 275 Part for holding ring guard nº 306
- Part nº 276 Nut for holding part nº 275 (2)
- Part nº 278 Screw attaching ring guard nº 306 to part nº 275
- Part nº 304 Part for holding cylinder nº 265
- Part nº 306 Ring guard

Note: The pictures are not on the same size scale.

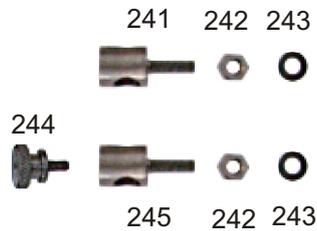
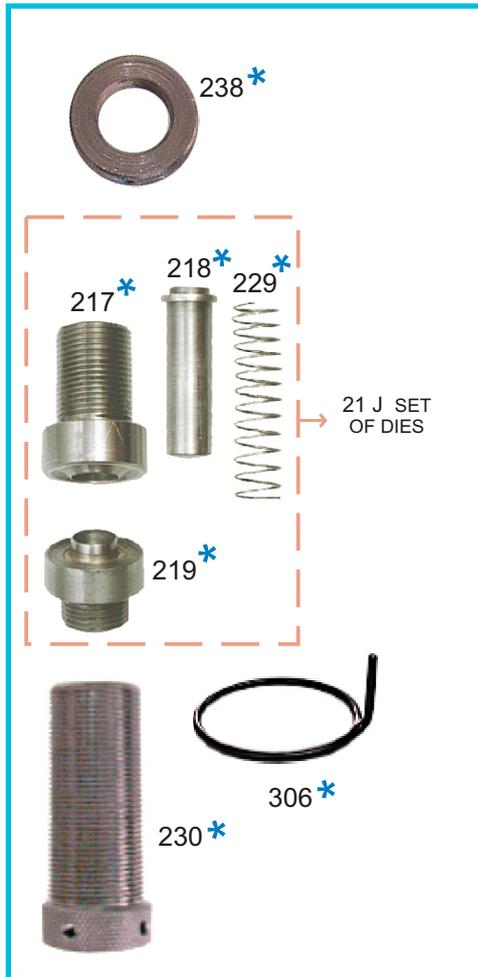


Part nº 2 Hinge for cylinder nº 271.
 Part nº 4 Support for valve.
 Part nº 7 Safety control 0-2 kg.
 Part nº 8 Safety manometer 0-1'6 kg.
 Part nº 10 Silencer 1/8 (2).
 Part nº 11 Reducción.
 Part nº 12 Buttress 1/8 ¼.
 Part nº 15 Elbow 1/8 Tube 8.
 Part nº 16 Elbow ¼ (2).
 Part nº 17 Elbow ¼ Tubo 8.
 Part nº 18 Elbow ¼ Tube 4.

Part nº 19 Elbow 1/8 Tube 8 (4).
 Part nº 20 Elbow 1/8 Tube 4.
 Part nº 22 Side "T" ¼ Tube 8.
 Part nº 23 Male side "T" ¼.
 Part nº 24 Halfmoon (2).
 Part nº 207 Connector ¼ Tube 8 (3).
 Part nº 260 Air handle 1/4.
 Part nº 271 Cylinder 63 x 90.
 Part nº 273 Válve 1/8.

Note: The pictures are not on the same size scale.

POSSIBLE PARTS FOR USING NEW DIES FOR
NEW GROMMET + WASHER SIZES. *



Part nº 21 J Set of dies grommet + washer
 Part nº 217 Top die grommet + washer *
 Part nº 218 Top set spindle grommet + washer *
 Part nº 219 Bottom die grommet + washer *
 Part nº 229 Spring for top set spindle *
 Part nº 230 Bottom die holder *
 Part nº 238 Nut for adjusting the top die nº 217 *
 Part nº 241 Support front guide nº 240
 Part nº 242 Nuts (2)
 Part nº 243 Washers (2)

Part nº 244 Part for holding front guide nº 240
 Part nº 245 Support front guide nº 240 with hole
 Part nº 246 Part for holding separator nº 250
 Part nº 247 Side axle
 Part nº 248 Part for holding the side guide nº 247
 Part nº 249 Nut for side axle nº 247
 Part nº 251 Nut for part nº 250
 Part nº 254 Front guide
 Part nº 306 Ring guard *

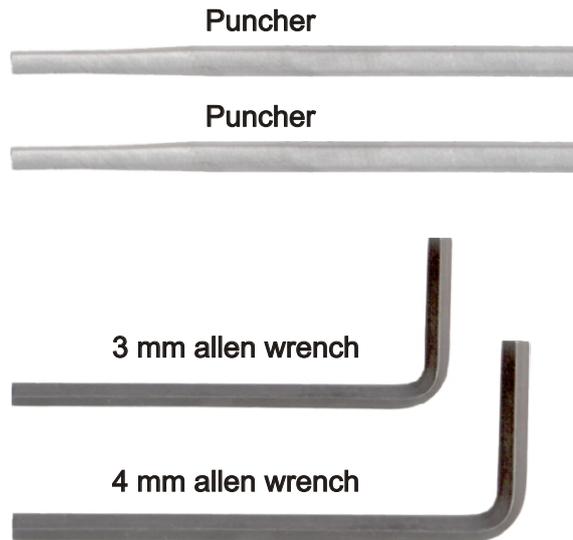
SUPPLIED TOOLS AND PARTS

TOOLS.

Along with your machine J-21, you will find all the necessary tools to do the required maintenance and adjustments as follows:

- 1 3mm allen wrench,
- 1 4mm allen wrench,
- 2 punchers.

Note: The pictures are not on the same size scale.

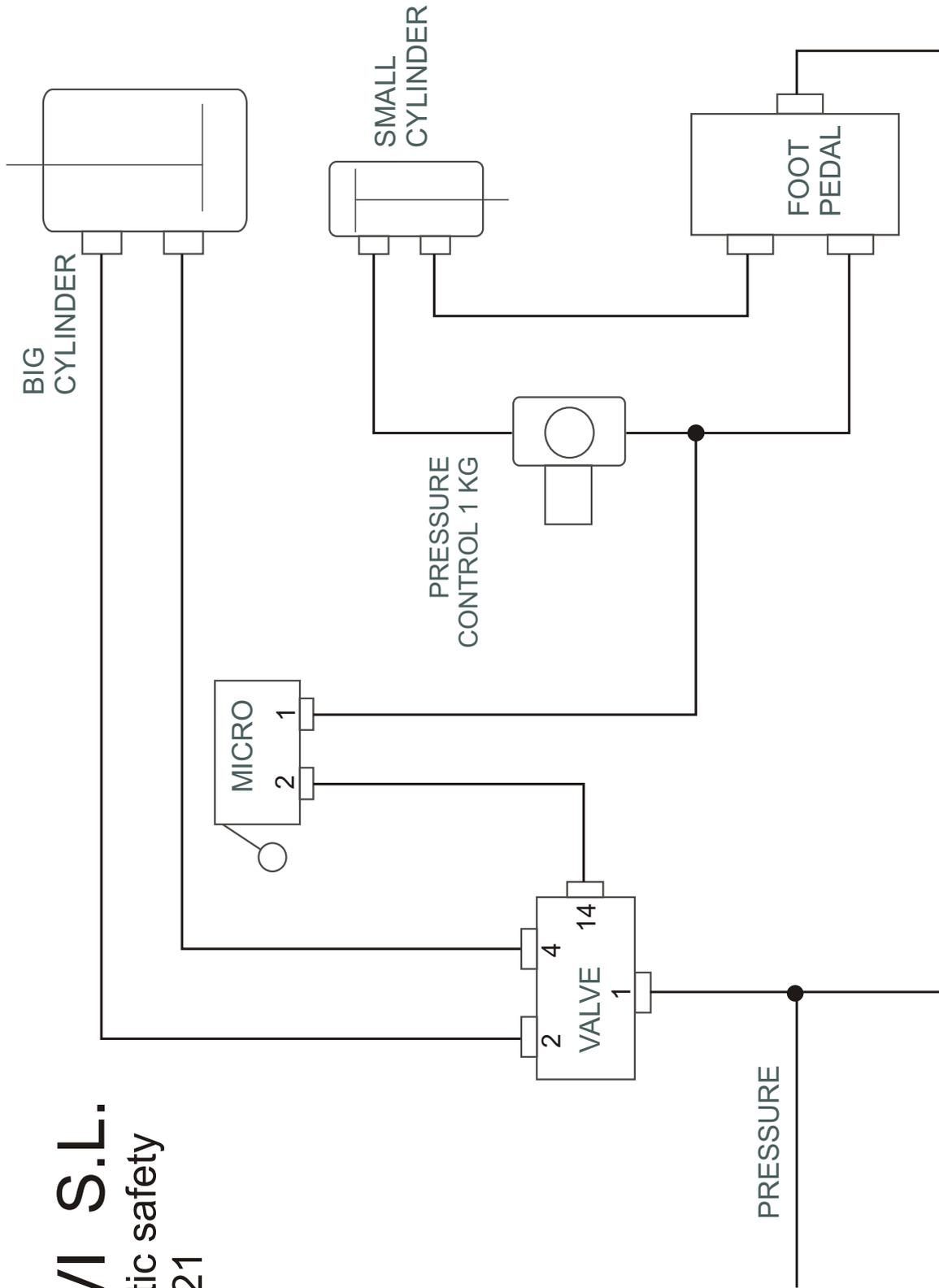


PARTS.

The machine does not include any spare parts although JOPEVI, S.L recommends to have a part nº 219 Bottom die, or complete set of dies in stock.

Part nº219
Bottom die





JOPEVI S.L.
Pneumatic safety
J-21

“EC” APPROVAL DECLARATION

MR. LUCIO JAEN ANDREU, MANAGER OF THE COMPANY JOPEVI S.L. MANUFACTURERS OF MACHINERY FOR THE FOOTWEAR SECTOR, WITH REGISTERED OFFICE AT C/.NICOLAS DE BUSSI N° 32, ELCHE PARQUE INDUSTRIAL, ELCHE (ALICANTE) ESPAÑA.

DECLARES:

- THAT WITH THE OBJECT OF THAT WHICH IS ESTABLISHED IN ARTICLE 8 OF THE COUNCIL DIRECTIVE OF 14 JUNE 1989 RELATING TO THE APPROXIMATION OF MEMBER STATES (89/392/CEE), THE MACHINE WITH THE FOLLOWING CHARACTERISTICS:

MODEL: J-21**SERIAL NUMBER:****YEAR OF MANUFACTURE:**

- MEETS WITH THE ESSENTIAL HEALTH AND SAFETY REQUIREMENTS RELATING TO DESIGN, AS ESTABLISHED IN ANNEX I OF THE ABOVE MENTIONED DIRECTIVE.

- THAT THE MACHINE IS NOT INCLUDED AMONG THOSE LISTED IN ANNEX IV.

- THAT THE FOLLOWING UNIFIED NORMS HAVE BEEN RESPECTED IN FULL DURING DESIGN AND MANUFACTURE:

AND FOR ALL OPPORTUNE RECORDS EMITS THIS DECLARATION OF APPROVAL IN ELCHE, ON _____ OF _____, 20____.

SIGNED: