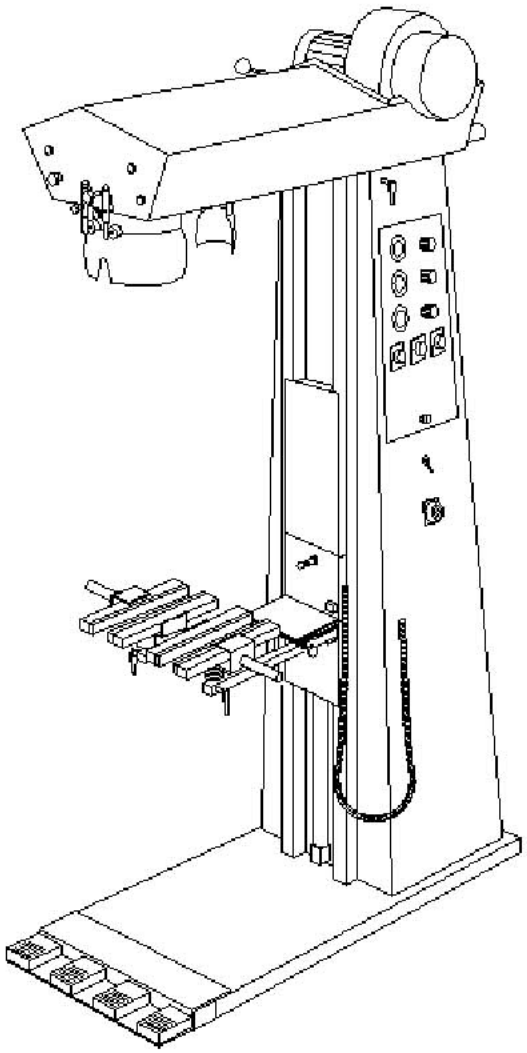
Manual

BIG JIM

KLEDING STOMER / MULTI FINISHER

MULTI FINISHER / CONDITIONNEUR



030A/030B
031A/031B

Part No. D0138

Rev. 2 / 06072002

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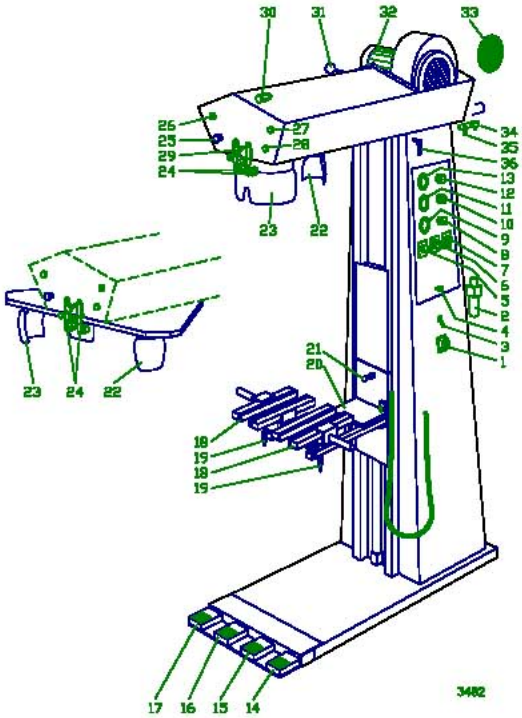

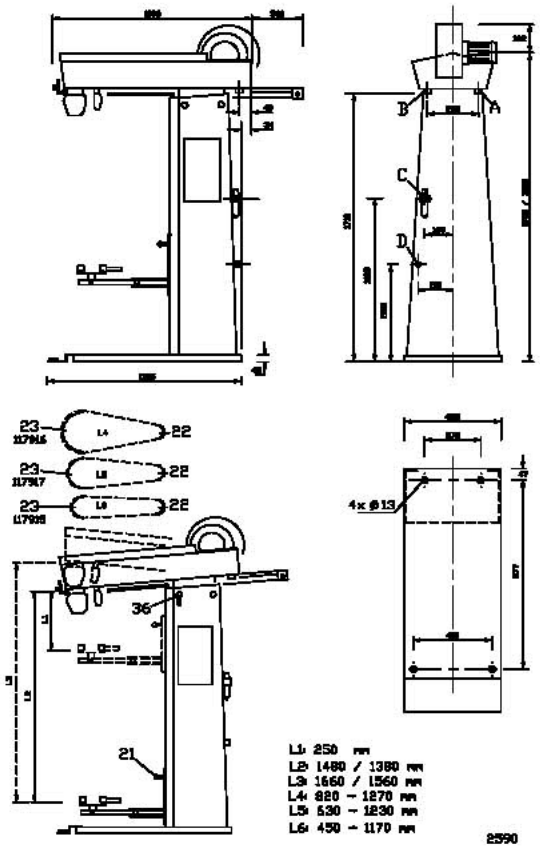

1. Main switch
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5. Time switch duration for steaming
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A. Steam supply ½" BSP
B. Steam drainage ½" BSP
C. Compressed air connection ¼" BSP
D. Electrical connection

Warning symbols:

Attention!
Caution!
Follow the instructions.

Caution, electricity!
Can cause electrical shocks.
Do not touch!

Caution, heat!
Do not touch!

Very important!
Safety aspect!

Symbols for use and operation:

Startbutton programm (28)
Start-symbol Pedal (14, 17)

Steaming Push-button (26), Timer (5)

Blowing Push-button (27), Timer (7)

Adjustment stretching tension waist expander (12,13)

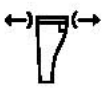
Adjustment stretching tension trouserlegs (10,11)

Adjustment closing tension hem clamps (030) /
Adjustment tension trouserleg tension blades (031) (8,9)

Regulating valve hem clamp carriage
Closed: carriage does not move
Open: carriage moves up and down

Clamping hem right trouserleg
Pedal (14)

operation waistbandclamp
Pedal (15)



open waist clamps / machine back in starting position
Pedal (16)

Clamping hem left trouserleg
Pedal (17)

3 Introduction

The Big Jim (030/031) is a trouser-conditioner for finishing all types of trousers and is fitted with a trouser-leg double action clamping system, to avoid curled hems.

All the numbers and capitals in this manual indicated in brackets (), refer to the numbers/capitals of the differents machine drawings.

Important:

! Read this manual first before installation and before taking the machine into use.

! All the installation, repair, adjusting and maintenance activities should be carried out by experts.

The BIG JIM can take a steam pressure of 9 bar maximum. A higher pressure could bring along safety risks or lead to damage to the machine. Recommended working pressure: 6 bar.
A higher compressed air pressure than 6 bar is not allowed for an higher pressure could bring along safety risks or damage the machine. Recommended working pressure: 5 bar.

! Take care for good survey and create enough working space around the machine.

Advice: Keep the manual somewhere near the press.

4 Technical data

Big Jim:	030	External hem clamping / automatic stretching system
	031	Internal and external hem clamping / anti stretching system
	.../A	Waist expansion backwards
	.../B	Side to side waist expansion

Maximum allowed steam pressure	: 9 bar
Recommended working pressure	: 6 bar
Steam consumption (steam pressure of 6 - 9 bar)	: 9 - 15 kg/hour
Maximum allowed air pressure	: 6 bar
Recommended working pressure	: 5 bar
Air consumption (air pressure of 5 bar)	: 25 l/min.
Voltage	: 230/50/3 or 400/50/3+N (consult serial number plate)
Power	: 3 x 3,8 A (230V) / 3x 2,2 A (400V)
Electrical consumption	: 1500 W
Weight	: 150 kg
Dimensions	: 1450 x 550 x 2122 mm or 1450 x 550 x 2022 mm (L x W x H)
Sound pressure (A-weighed equivalent continuous sound pressure)	: <70 dB(A)

5 Installation

5.1 Transport and positioning

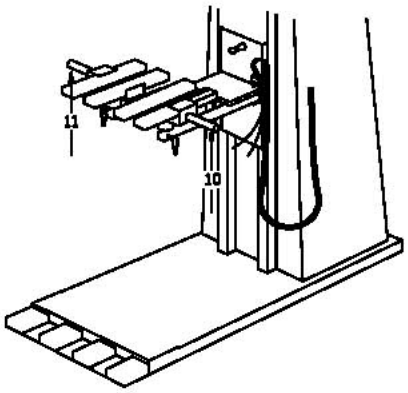
☞ **Mind your safety! Wear safety shoes and working gloves.**

- Leave the machine on the pallet for transport to its location.
- Avoid shakes.
- Use a lifting device for transport and for moving it into position.
- Handle the machine only by its frame.
- Take care for enough working space around the machine.
- Fix the machine with 4 bolts (M10x100mm)

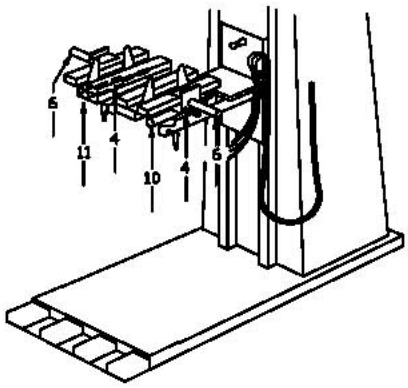
5.2 Connections

☞ **When making the connections to the machine, take utmost care to ensure that no dirt or other materials enter the lines, since this may cause the machine to malfunction.**

Connecting hem clamps (18)



030



031

Steam

☞ **Mind your safety! Wear working gloves!**

Connection: ½" BSP
Maximum steam pressure: 9 bar.
Recommended working pressure: 6 bar

A	:	Steam supply	X	:	Steam trap
B	:	Steam return	Y	:	Blow off cock
W	:	Shut off valve	Z	:	Non-return valve

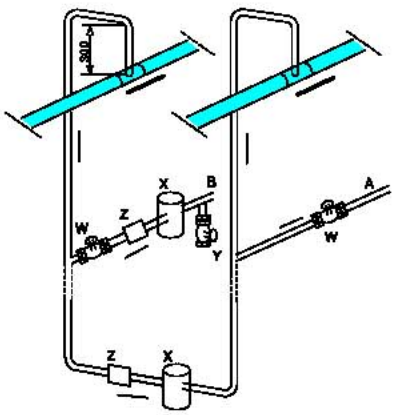


Figure 1: Connecting steamlines

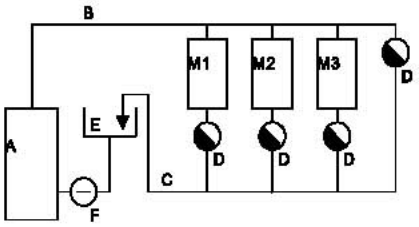
Instructions to connect the steam lines:

- Connect the steam lines according to illustration 1.
- Avoid condensation to enter the machine: Connect the branhes f the supply and return lines in such way that they run at least 300mm upward first.
- Flush the connected steam lines with steam from the steam supply.
- Install a steam trap and non-return valve as close as possible to the connection of the machine (mark the entry and exit).
- Install a shut off valve in both supply and return lines in order to be able to shut off the machine from the steam lines, for instance for repair activities.
- To get dry steam the connection of a steam trap with non-return valve on the lowest point of the supply to the drainage (dotted line fig. 1) is recommended. Mark the marking 'entry' and 'exit'.
- Connect the machine to the steam lines.

Steamline systems

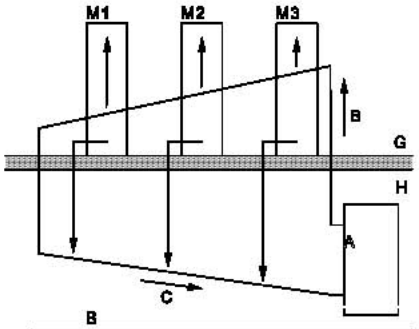
Open system

Mount a steamtrap (D) at the end of the stream supply line (B) and at the end of each connected machine. The condensate will be led to the watertank (E) through the condense return line (C). The condensate in the watertank will be pumped in the boiler (A) through pump (F). Disadvantage of the open system is the loss of energy and an increasing fault sensibility.



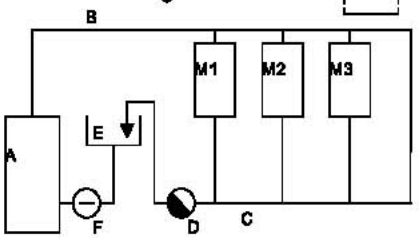
Closed system

The condensate ends up in the boiler (A) through a down going condense return line (C). The waterlevel of the boiler (A) has to be lower than the lowest condensate output of the connected machines! There will be no loss of energy. The energy savings in regard to the open system is approximately 33%.
This system gives the lowest installationcosts. When the system works well, the system will work well for years.



Half open system

This system is conform the open system. The only difference is that in this system at the end of the ringline (B,C) a steamtrap has to be mounted. This steamtrap brings the condensate in a watertank (E). The condensate in the watertank (E) will be pumped in the boiler (A) through the pump (F). In this system the waterlevel in the boiler (A) can be higher than the condensate output of the connected machines.
The energy saving in regard to the open system is approximately 20%.
This system will opperate fault free for years.



A :	Boiler	D :	Steamtrap	G :	Work room
B :	Steam supply line	E :	Watertank	H :	Boiler room
C :	Condensate return line	F :	Pump	M :	Machine

Compressed air

- **Attention:** Avoid dirt to enter in the compressed air line for it might damage the machine.
- Connect a 1/4" compressed air line to the air control (2) of the machine.

☞ **Mind your safety! *The compressed air* can have a pressure of *6 bar maximum.* A higher pressure might damage the machine. Recommended working pressure: 5 bar.**

Electricity

☞ **Mind your safety! Never touch cords or plugs with wet hands!**

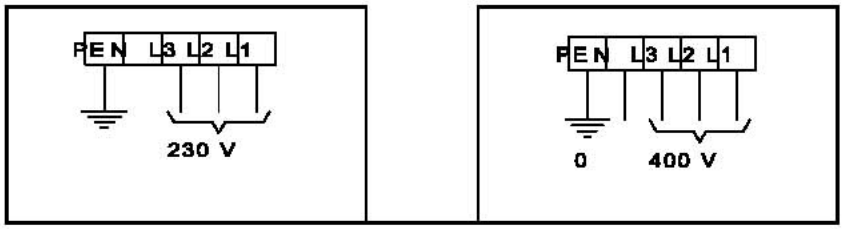
Instructions to connect electricity:

☞ **VERY IMPORTANT:**
Wrong connection of the electricity can lead to high cost!!!
The electricity has to be connected by a qualified electrician!

- Remove the cover at the backside of the machine (framework).
- Connect the main power supply to the connecting block in the rear, according to the picture below:

☞ **Attention: The machine is only suitable for 1 kind of voltage. The correct voltage is mentioned on the serial number plate of the machine!**

230 V / 3 phases	OR	400 V / 3 phases



- Put back the cover.
- Check if the main switch (1) is turned 'OFF'.
- Plug in.

Check rotating direction blower:
- Turn main switch 'ON'.
- Press button blowing (27). If there is no blowing air at font waist expander (23), turn main switch 'OFF' and turn the rotating direction of the blower by changing the electrical connections L1 and L2.
- Turn main switch 'OFF'.

6 Put into operation

☞ **Think of your own and other people's safety!**
Creat a clean, surveyable and spacious working environment.
Make sure that nobody is standing behind the machine.

☞ **Attention: At the waist clamps (22, 23) hot steam is set free!**

☞ **Check the following points daily!**

- Only for steam heated machines: Check the steam pressure (maximum 9 bar, recommended working pressure 6 bar), close the blow off cock (Y, see figure 1) and open the steam shut off valves (W) completely.
- Connect an air pressure line (¼" BSP) to the air control (2) and set the desired air pressure on the air control (maximum 6 bar, recommended air pressure 5 bar).
- Turn the main switch (1) 'ON'.
- Open the air circuit by pushing switch (3) up.
- Check if the air flow valve (4) is fully opened (to +).
- Press push button steaming (26): the machine will start to steam.
- Press push button blowing (27): the machine will start to blow.
- Check the working of the automatic programm:
  - Put timers (5,6,7) on 5 seconds.
  - Adjust closing tension of hem clamps (030) / tension of trouserleg tension blades (031) to 3 bar (8+9) (adjustment: pull out knob, adjust, push knob back in).
  - Adjust stretching tension trouserlegs to 2,5 bar (10, 11).
  - Adjust stretching tension waist expander to 3 bar (12, 13).
  - Start programm (28): 5 seconds of steaming, then 5 seconds of blowing
- Check the working of the emergency switch (25):
  - Start programm (28):
  - Operate the emergency switch (25) after about 5 seconds: the programme will be interrupted IMMEDIATELY, the machine will be shut down.
  - Switch the machine back on by turning the lower ring on the red button to the right (clockwise).
- Consult chapter 'Trouble shooting' in case of malfunctions.
- In case of leakage or defects, always call for an expert.
- Let the machine warm up for about 15 minutes.
- Ready for use.

7 How to operate

7.1 User directions

! Use the BIG JIM only for the treatment of clothes.

! Preferably a compressed air pressure of 5 bar and a steam pressure of 6 bar should be used. Higher pressures may cause the machine to malfunction.
(maximum compressed air pressure: 6 bar, maximum steam pressure: 9 bar).
! Maintenance and repair activities are to be executed by a qualified serviceman.

☞ **Not following the instructions of this manual may lead to injury or to damage to the machine!**

! It is recommendable to switch off the Big Jim during longer intervals of service, but in any case at the end of working hours, because otherwise the heating element (29) for the steam injection nozzles remains continuously switched on.

☞ **Caution: After a while the head of the machine will get warm! The steam connections at the backside of the machine and the steam control are hot. Do not touch these!**
Attention: At the waist clamps (22, 23) hot steam is set free!

7.2 User instructions

☞ **Think of your own and other people's safety!**
Create a clean, surveyable and spacious working environment!
Make sure that nobody is standing behind the machine!

☞ **Use the emergency switch (25) in case of emergencies! The machine will turn dead and pressureless. The machine can be switched on again by turning the lower ring on the red button to the right (clockwise).**

! It is always possible to interrupt the programme and bring the machine back into its starting position by operating foot switch (16).

Order of operation:

- Adjust the compressed air regulators:
  - closing tension hem clamps (030) / tension of trouserleg tension blades (031) - (8, 9)
  - stretching tension trouserlegs (10, 11)
  - stretching tension waist expander (12, 13)

  If necessary, adjust the regulators.
- Adjust the steam programm:
  - Timer 5: Duration for steaming
  - Timer 6: Duration steaming and blowing simultaneously
  - Timer 7: Duration for blowing (starts when timer (6) is finished)

  If necessary, adjust the steam programm.
- Operate foot switch (16) to bring the Big Jim back into its starting position.
  (If the machine is already in this position, nothing will happen).
- Position the trousers (with closed waistband and fly) by placing the the front waistband beyond the waist band clamps (24) and keep the foot switch (15) operated: waistband clamps (24) will close.
- Now place the rear of the trousers aroud the waist expanders (22, 23) and let go of the foot switch (15): rear waistband clamp will close and stretch the waistband, while the hem clamp carriage (20) will move upwards.
- By pulling knob (21) the hem clamps (18) can be moved up or down along the carriag (20), in order to enable handling of extra long or short trousers.
- 030: Take the lower part of the right trouserleg and place it 'seam to seam' on the stretchingblades of the right hem clamp (18) and operate the right foot switch (14): the blades will stretch the hem of the trouserleg.

  031: Place the lower part of the right trouserleg around the right hem clamp (18) and operate the right foot switch: the seam will be stretched.
- 030: Now place the lower part of the left trouserleg between the left hem clamp (18) and the left foot switch (17): the hem clamps close; After releasing the foot switch, the automatic programme will start*.

  031: Place the lower part of the left trouserleg around the left hem clamp and operate the left foot switch: the trouserleg will be stretched, the hem clamps close and the automatic programme will start*.

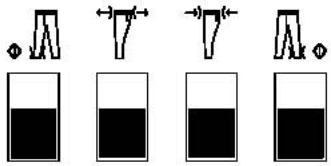
  Remark: The sequence doesn't have to be right-left, but can also be left-right.

* Explanation steam programm:
- Hem clamp carriage stretches the trousers (carriage moves downwards)

- The set steam programme (timers 5,6,7) is being completed.
- Programme finished: hem clamps open automatically and the carriage moves down to its starting position.

- The trousers can be removed by operating foot switch (16), which causes the rear waist expander (22) to move forward and the waist clamps to open.

Functions of the foot switches and operation order:



1. Pedal 16: Back to starting positie: Waist expander (22) moves forward, hem clamp carriage (20) moves downwards.
2. Pedal 15: Operate → Waist clampt (24) close.
   Release → Trousers are stretched, hem clamp carriage (20) moves upwards.
3. Pedal 14: Right hem clamp closes.
4. Pedal 17: Left hem clamp closes and steam programmes starts (timers 5,6,7).
5. Pedal 16: Remove can be removed, carriage back to starting position.

Remark: Step 3 and 4 can be reversed.

Other operating functions:

- **Manual steaming** - switch 26

- **Adjusting steam quantity**
  The quantity of steam can by adjusted by means of the regulating screw on steamvalve (30) (clockwise: more steam / anti-clockwise: less steam).

- **Manual blowing** - switch 27

- **Adjusting air quantity** - operating knob (31)
  When the air control is completely turned off, the quantity will be at its maximum.

- **Manual start steam programme** - switch (28)
  Normally, the steam programme will start automatically after operating the foot switches (14,17). The programme has to be started manually in case the hem clamp carriage (20) is not being used, for instance with the jacket form or the skirt form

- **Temperature regulator steam injection block** (29)
  With knob (29) the temperatur of the steam injection block can be adjusted in order to get dryer steam (recommandation: open to its maximum for dry steam).

- **Adjustment closing tension hem clamps/tension of trouserleg tension blades** (8,9)
  With regulator (8) the tension can be adjusted (more power with more pressure).

- **Adjustment stretching tension trouserlegs** (10,11)
  With regulator (10) the stretching tension of the trouserlegs can be adjusted. If more stretching tension is acquiered, than the pressure should be set less. (recommended stretching tension: 2,5 bar)

- **Adjustment stretching tension waist expander** (12,13)
  With regulator (12) the tension of the rear waistband expander (22) moving backwards can be adjustedpanner (recommended tension: 3 bar).

- **Adjustment hem clamps** (18)
  The clamps can be turned 360°C. The can be adjusted by loosening knob (18). The clamps can also be turned towards or against each other.

- **Adjustment speed of waist expander** (34)
  With flow valve (34) the speed of the rear waist expander (22) moving forward can be adjusted.

8 Put out of operation

Advice: Switch off the Big Jim during longer breaks or in any case at the end of working hours, because the heating element (29) of the steam injection nozzles remain switched on otherwise.

- Put the main switch (1) 'OFF'.

- Turn the main switch of the air circuit (3) off (switch down).
- Uncouple the compressed air line.

Warning! At disconnecting the air line the filtered water will be drained out of the air control (2).

☞ **Catch the water for it might contain oil remains.**

For steam heated machines only:

- Close the steam shut off valve (W, see figure 1).
- Blow of steam by opening the blow off cock (Y).

9 Trouble shooting

☞ **Mind your safety!**

If you cannot solve the problems with the aid of table below, then call for an expert.

Table: Trouble shooting

Problem	**Check / solution**
Machine doesn't start	1. Is main switch (1) turned 'ON'? 2. Is emergency switch (25) unbolted? 3. Is the compressed air line connected to the air control (2) and set on 5 - 6 bar? 4. Has the steam programme (timers 5,6,7) been set? 5. Check the electrical connection. **Serviceman:** Check the action of the operating and foot switches, check the electrical and air circuit.
Machine doesn't steam (sufficiently)	1. Check if steam time has been set (timer 5). 2. Check if steam shut off valves are fully opened. 3. Check steam pressure (6 - 9 bar). 4. Is air regulator (3) open sufficiently? **Servicman:** Check steam circuit, and steam connection of the main line (see chapter 'Installation', 'Steam').
Steam is too 'wet'	1. Open temperature regulator steam injection block (29) to its maximum. **Servicman:** Check steam connection (see chapter 'Installation', 'Steam').
Machine doesn't blow (sufficiently)	1. Check if blowing time hase been set (timer 7). 2. Check if the filter of the blower (33) is dirty and clean or replace if necessary (see chapter 'Maintenance'). **Serviceman:** Check the rotation direction of the blower (L1 and L2 of the electrical connection should be changed in case of wrong direction).
Hem clamp carriage (20) doesn't move up or down	1. Check if air flow valve (4) is fully opende (to +). 2. Is the compressed air line connected to the air control (2) and set on 5 - 6 bar? **Serviceman:** Check the compressed air circuit.
Hem clamp carriage (20) moves back up after stretching	1. Adjust the stretching tension a bit higher (10).

10 Maintenance and repairs

10.1 Maintenance

☞ **Mind your safety!**

Before starting maintenance activities:

- **Turn 'OFF' the main switch (1), remove the plug from the wall socket, remove air line from air controle (2) (Attention: The reservoir of the air control will drain automatically when disconnecting the air line. Catch the water, it may contain oil remains).**
- **For steam heated machines: close steam shut off valves (W, see figure 1), blow off steam (Y).**
- **Let the machine cool down.**

- **Air control (2)**

  The air filter (2) which is incorporated in the reducing valve, cleans and dries the air supplied from the main line.

  Maintenance:
  - Check at regular intervals whether dirt or condensate have accumulated in the clear plastic bowl.
  - **Warning! The compressed air line should be removed.**
  - Clean the air filter as follows:
    - unscrew the plastic bowl;
    - empty the bowl and clean it with petrol or turpentine (never use acids or detergents);
    - screw the bowl on the valve. Make sure that the sealing ring presses evenly on its seat and the bowl is properly and firmly tightened (by hand).

- **Filter of the blower** (33)

  Clean the filter regularly!
  Maintenance:
  - Remove the filter by hand;
  - Clean the filter with a vacuum cleaner;
  - Insert the filter.

10.2 Repairs/Dismantling

☞ **Mind your safety!**

Before starting repair or dismantling activities:

- **Turn 'OFF' the main switch (1), remove the plug from the wall socket, remove air line from air control (2) (Attention: The reservoir of the air control will drain automatically when disconnecting the air line. Catch the water, it may contain oil remains).**
- **For steam heated machines: close steam shut off valves (W, see figure 1), blow off steam (Y).**
- **Let the machine cool down.**

☞ **All repair activities are to be carried out by a qualified serviceman.**

For repair activities consult addition A containing detaildrawings with spare parts.
To be able to execute the repair activities, the parels mounted on the frame of the machine can be removed.
In case some parts have become defective, contact the distributor to order new parts (see table 'spare parts').

Use only original PANTEX parts!

To be abe to execute the repair activities, the panels at the rear of the machine can be removed.
When the repairs have been completed, put the parels back into place before taking the machine into operation again.

11 Spare parts

Order spare parts by contacting your distributor.

Do not use any parts but original PANTEX spare parts!

Table: Spare parts

No	Parts	Art.no.
1	Main switch	70775
2	Air control	118551
3	Tumbler valve	118587
4	Air flow valve	95353
5	Timer	70828
6	Timer	70828
7	Timer	70828
8	Pressure regulator	118552
9	Gauge	80009
10	Pressure regulator	118552
11	Gauge	80009
12	Pressure regulator	118552
13	Gauge	80009
14	Foot switch	70633
15	Foot switch	70633
16	Foot switch	70633
17	Foot switch	70633
18	Hem clamps	118553
19	Handle	117944
20		
21	Knob	30556
22	Rear waistband expander	
23	Front waistband expander	
24	Rubber bumper	30756
25	Stop button	117100
26	Switchelement Pushbutton	70822 70823
27	Switchelement Pushbutton	70822 70823
28	Switchelement Pushbutton	70822 70823
29	Thermostat	70575
30	Steam valve	115609
31	Knob	30556
32	Blower	118586
33	Filter assy	119157
34	Pressure regulator	95353
35	Valve	80880
36	Handle	117944
37	Micro switch	70001
38	Air cylinder32x690mm 32x640mm	118549 118772
39	Air cylinder 030 031	118547 118766
40	Spring	50210
41	Rubber strip	30755
42	Air cylinder 030 031	118547 118766
43	Spring	50039
44	Bearing	80204
45	Guide bushing	93569
46	Spring	50211
47	Nozzle	112622
48	Knob	80882
49	Knob	30550
50	Heater element	70657
51	Cylinder R20x15	118546
52	Cylinder R20x400	118548
53	Cylinder	119045
54	Micro switch	70805
55	Pressure regulator	118552
56	Timer	70828
57	Relay	70588
58	Relay	70588
59	Relay	70588
60	Relay	70588
61	Relay	70588
62	Thermical relay 400 V 230 V	70809 70810
63	Magnet switch	70808
64	Fuse 6,3A	70661
65	Transformer	70811
66	Solenoid valve	118602
67	Solenoid valve	118602
68	Solenoid valve	118602
69	Solenoid valve	118602
70	Solenoid valve	118602
71	Solenoid valve	118602
72	Solenoid valve	118602
73	Solenoid valve	118602
74	Solenoid valve	118602
75	Solenoid valve	118602
76	Solenoid valve	117786
77	Cylinder 25x50	118767
78	Spring	50240
79	Shock absorber	95984
80	Rubber strip	30866
81	Pressure switch	70749
82	Shuttle valve	118592
83	Nozzle	118055
84		
85	Heater assy	119170
86	Filterunit complete	119368
87	Clevis with pin	95363
88	Swivel bracket	95358
89	Clamp	93635
90	Clevis with pin	95370
91	Pin holder	93579
92	Knob	30666
93	Swivel bracket	95359
94	Expander assy complete	118760
95	Expander assy LH	118769
96	Expanderplate assy	118756
97	Expander assy LH	118768
98	Guide rail	93557
99	Cylinder head	96633
100		
101		
102	Shuttle valve	118592
103	Pressure gauge	1080961
104	Air flow valve	80846
105	Pressure switch	70749
106	Cylinder	119347

12 Accessories

If desired, the following accessories (see Addition D) can be supplied:

- **Separate waistband expanders**
  - For trousers with a large or small waist size, special waist expanders are available.
  - Procedure for exchanging the waist expanders:
    - operate and release foot switch (15): rear waist expander moves backwards;
    - close valve (3) (down);
    - operate foot switch (16): waist clamps will open;
    - turn the small clamps which hold the waist expander in position 90°C.
    - remove the old waist expander and insert the new one;
    - open valve (3) (up);
    - operate foot switch (16) to bring the machine back into its starting position.

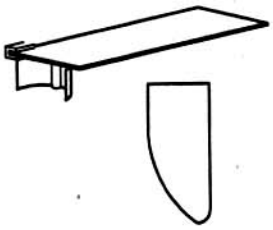
- **Jacket form**
  - The jacket form can be connected in the same way as described for the waist expanders.
  - When using the jacket form, the hem clamps must be in the lowest position.
  - Instructions:
    - put regulator stretching tension (10+11) on 6 bar;
    - close air flow valve (4) (to 0);
    - turn off the compressed air switch waist expander (35).

- **Skirt form**
  - The skirt form has to be connected in the same way as the waist expanders.
  - When using the skirt form, the hem clamps (18) must be in the lowest position.
  - The springs of the guiding cord must be attached to the frame.
  - Instructions:
    - turn regulator stretching tension trouserlegs (10+11) on 0 bar;
    - air flow valve (4) must be closed (to 0).

- **Overall form**
  For the overall form, the same instruction as for the skirt form should be followed.

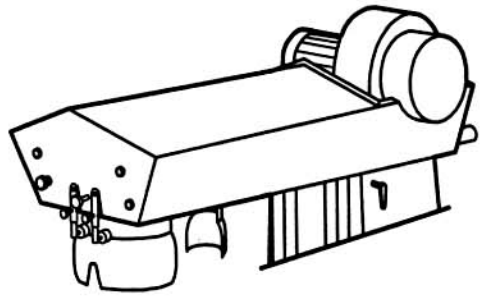
- **Twin set**
  - Remove the hem clamps (18) by loosening the knob on the side of the mounting bracket. Uncouple the air lines.
  - Air circuit must be closed (3) (down).
  - For installation, follow the instructions supplied with the twin set.

030 A



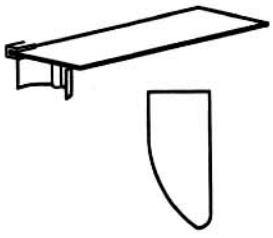
Rear waist expander
without clamp

Hem expander



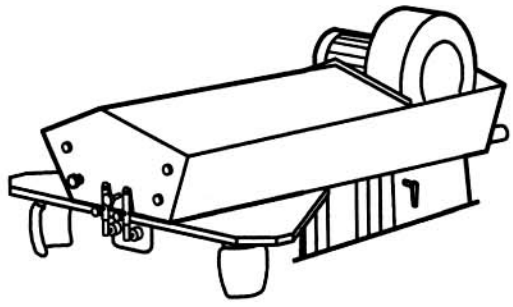
Straight waist expander

030 B



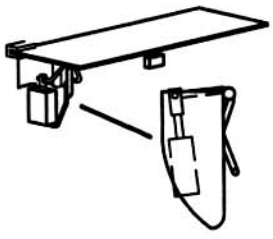
Waist expander
without clamp

Hem clamp



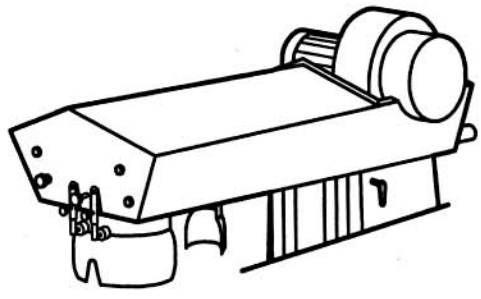
Side to side waist expander

031 A



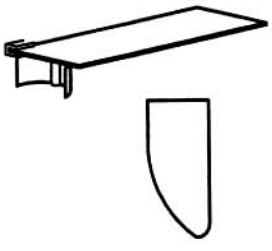
No stretch
with clamp on
little expander

Hem clamp
with inside expander



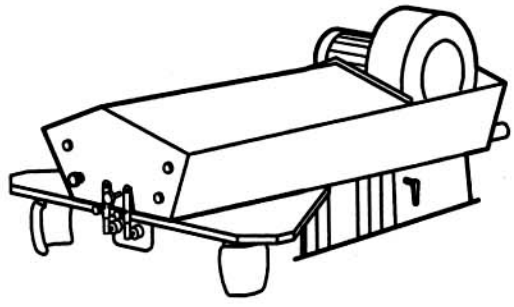
Straight waist expander

031 B



Waist expander
without clamp

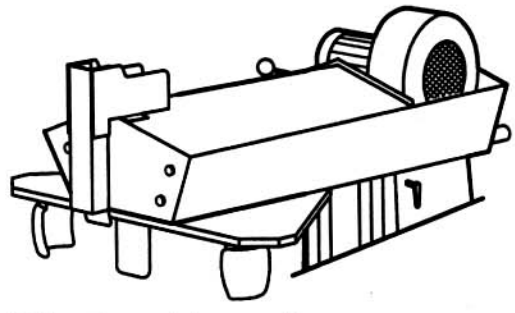
Hem clamp
with inside expander



Side to side waist expander

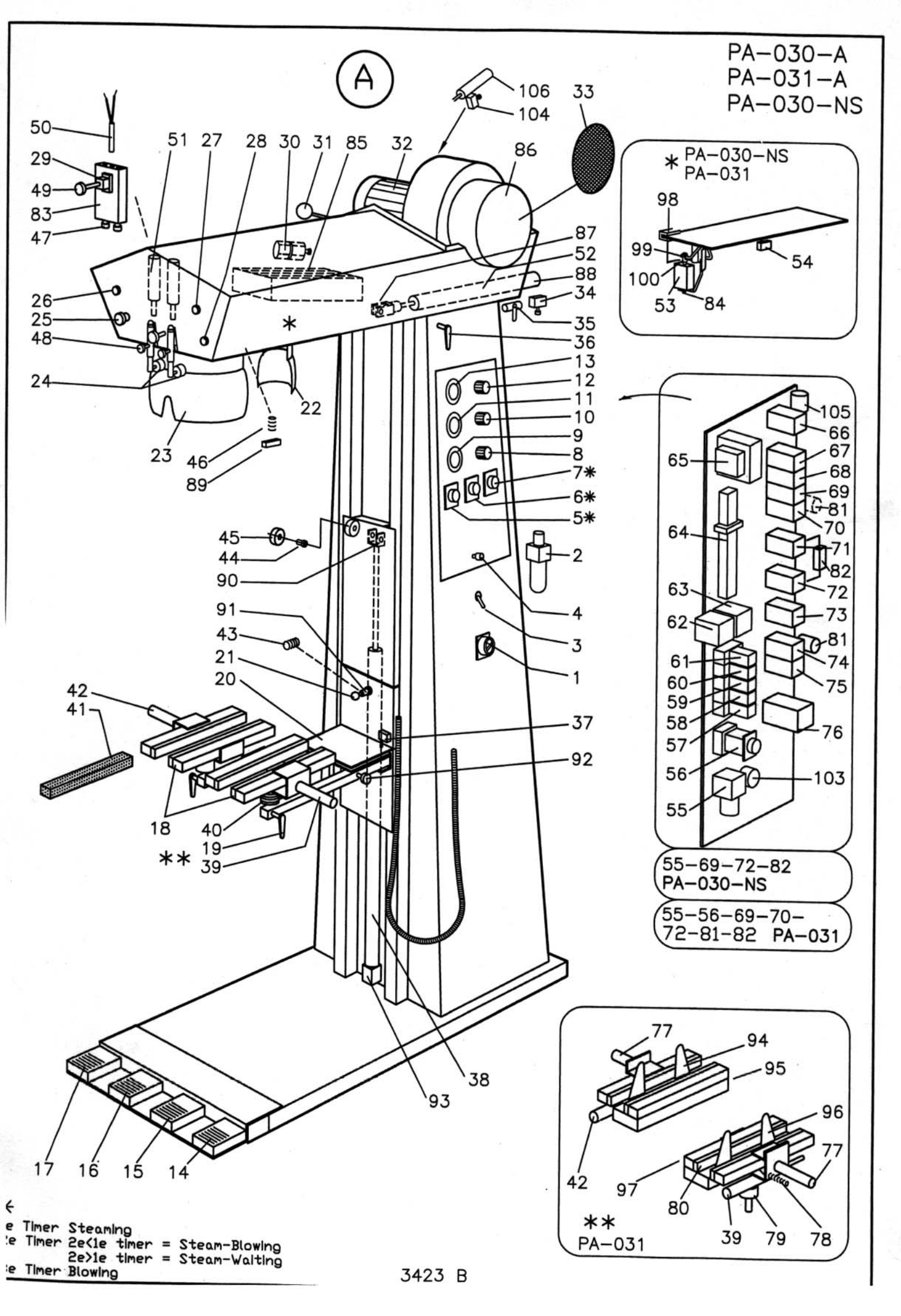
With no stretch
device
(no picture)

Hem clamp
with inside expander



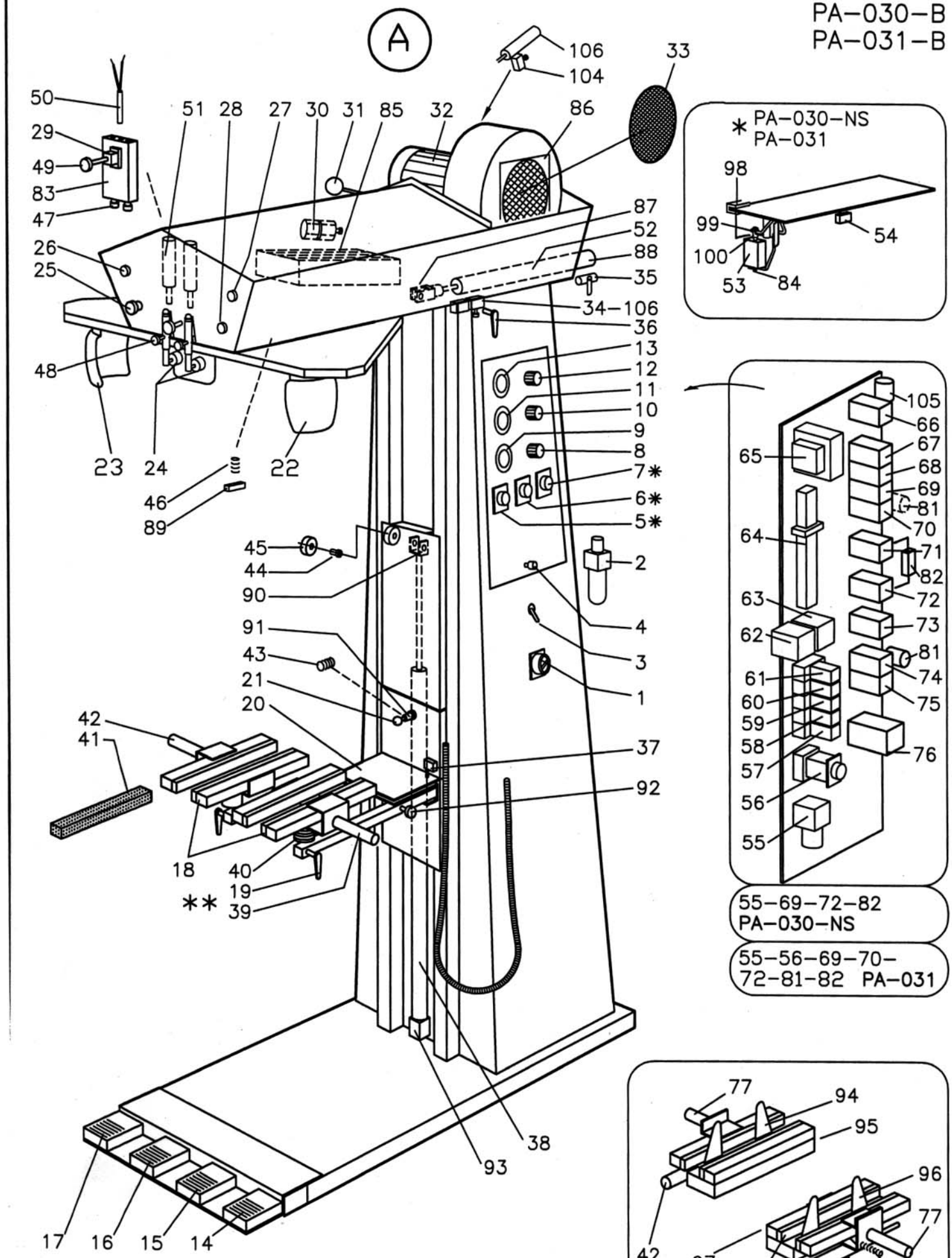
Side to side and
fly and pocket press

PA-030-A
PA-031-A
PA-030-NS



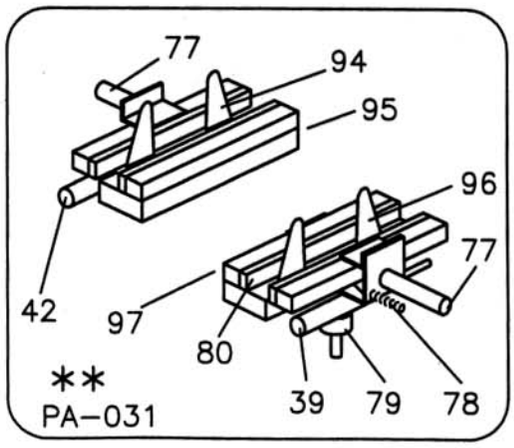
← Timer Steaming
e Timer 2e<1e timer = Steam-Blowing
2e>1e timer = Steam-Waiting
e Timer Blowing

PA-030-B
PA-031-B



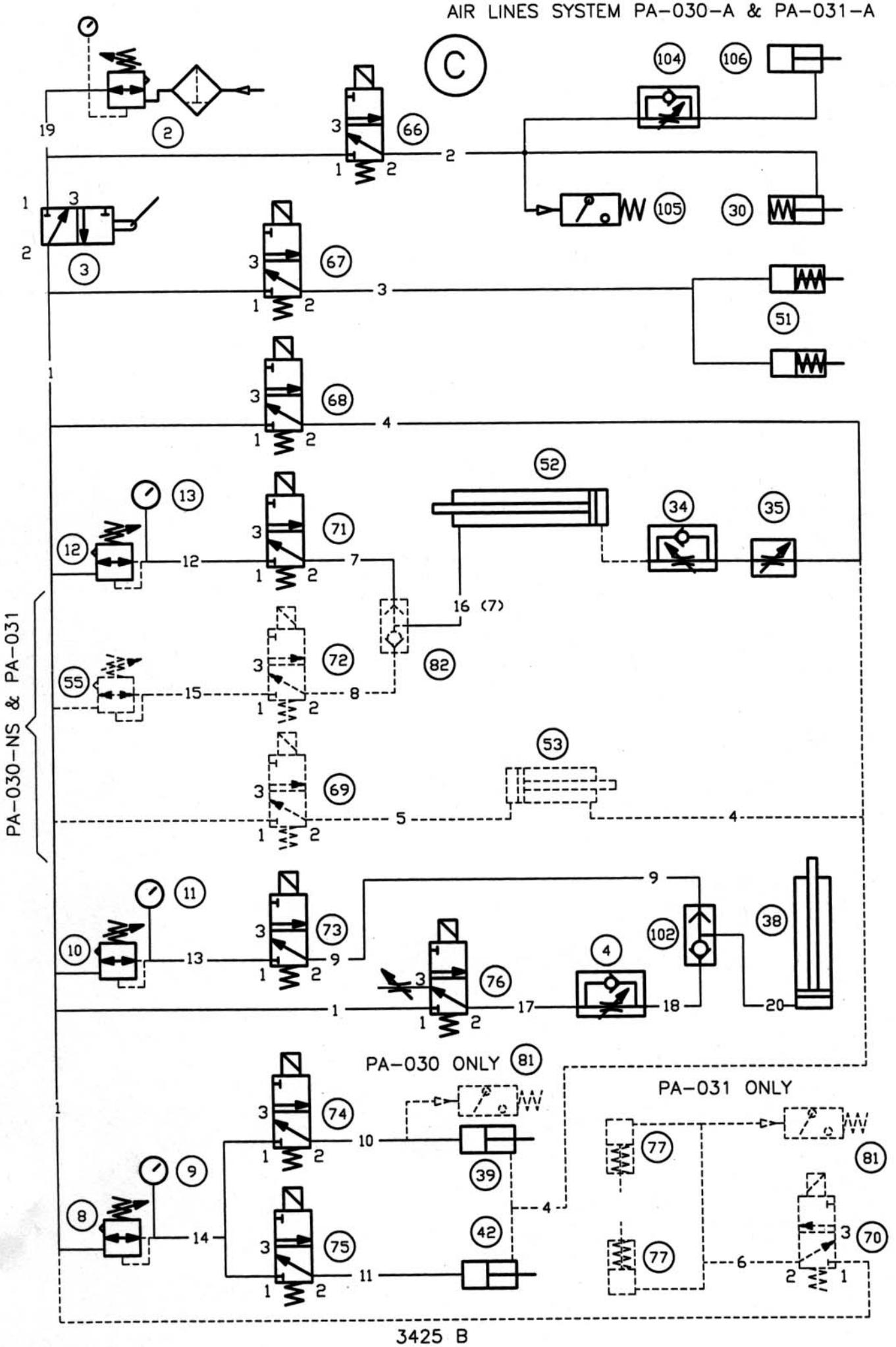
55-69-72-82
PA-030-NS

55-56-69-70-
72-81-82 PA-031



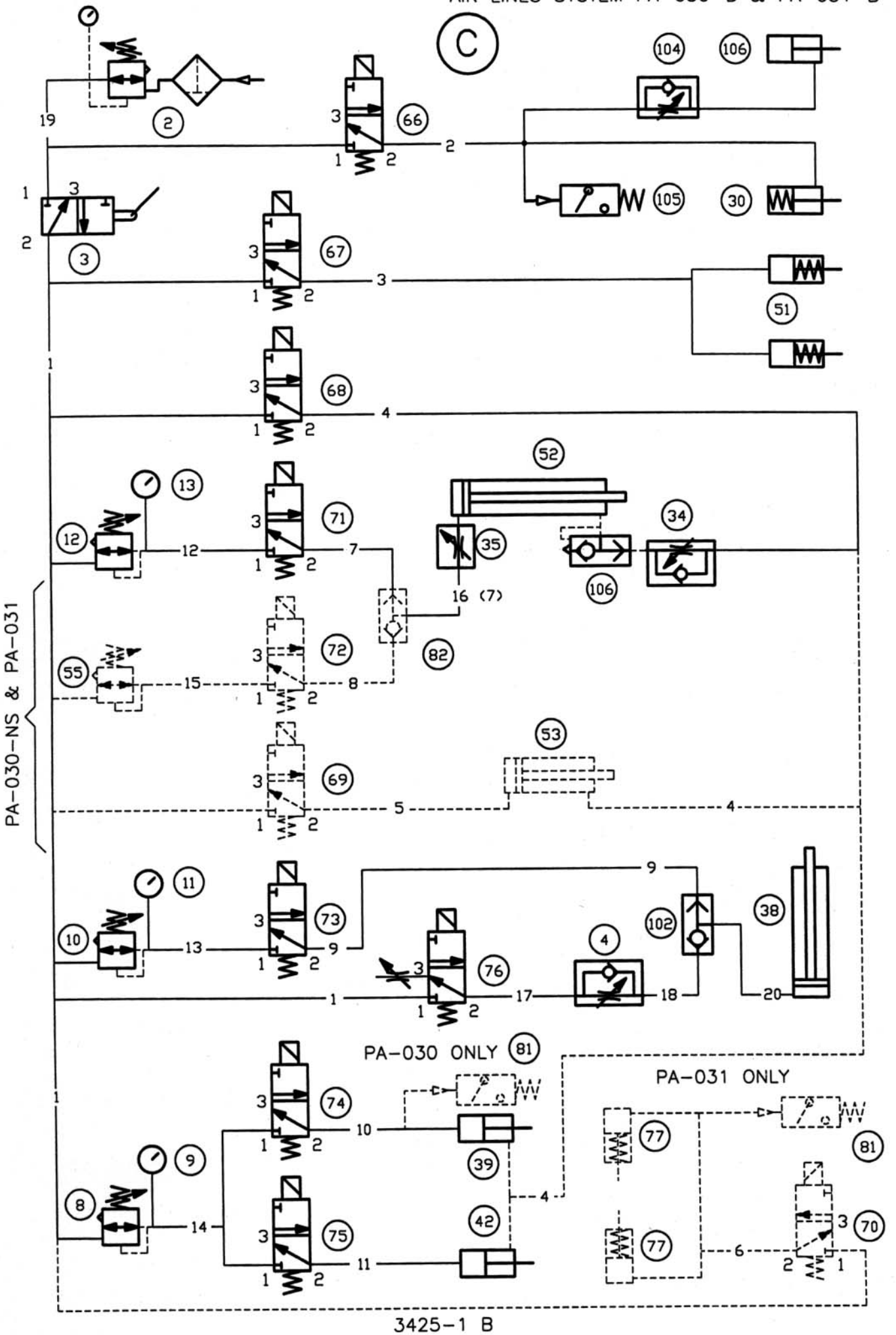
*
1e Timer Steaming
2e Timer 2e<1e timer = Steam-Blowing
2e>1e timer = Steam-Waiting
3e Timer Blowing

AIR LINES SYSTEM PA-030-A & PA-031-A



3425 B

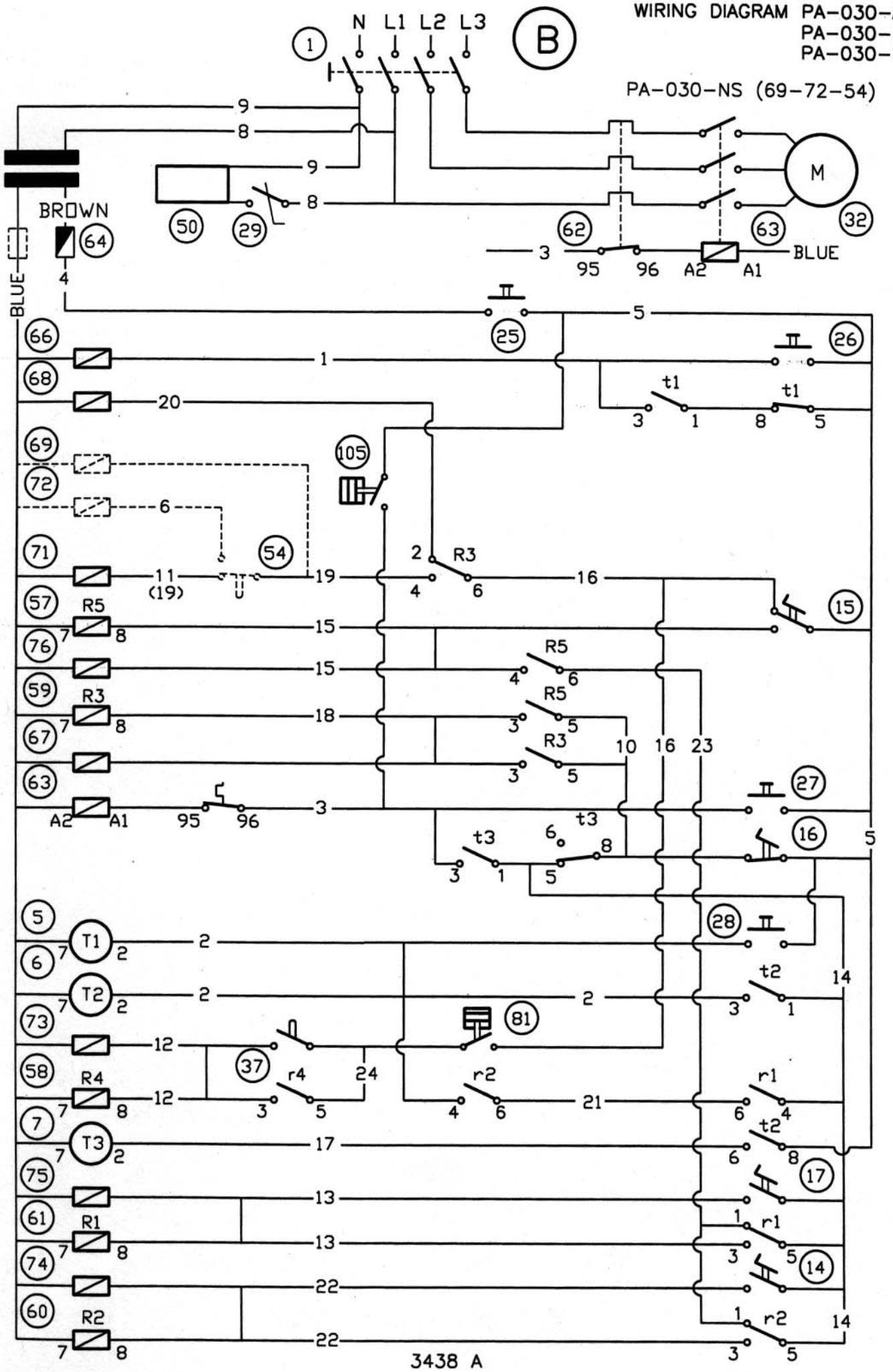
AIR LINES SYSTEM PA-030-B & PA-031-B



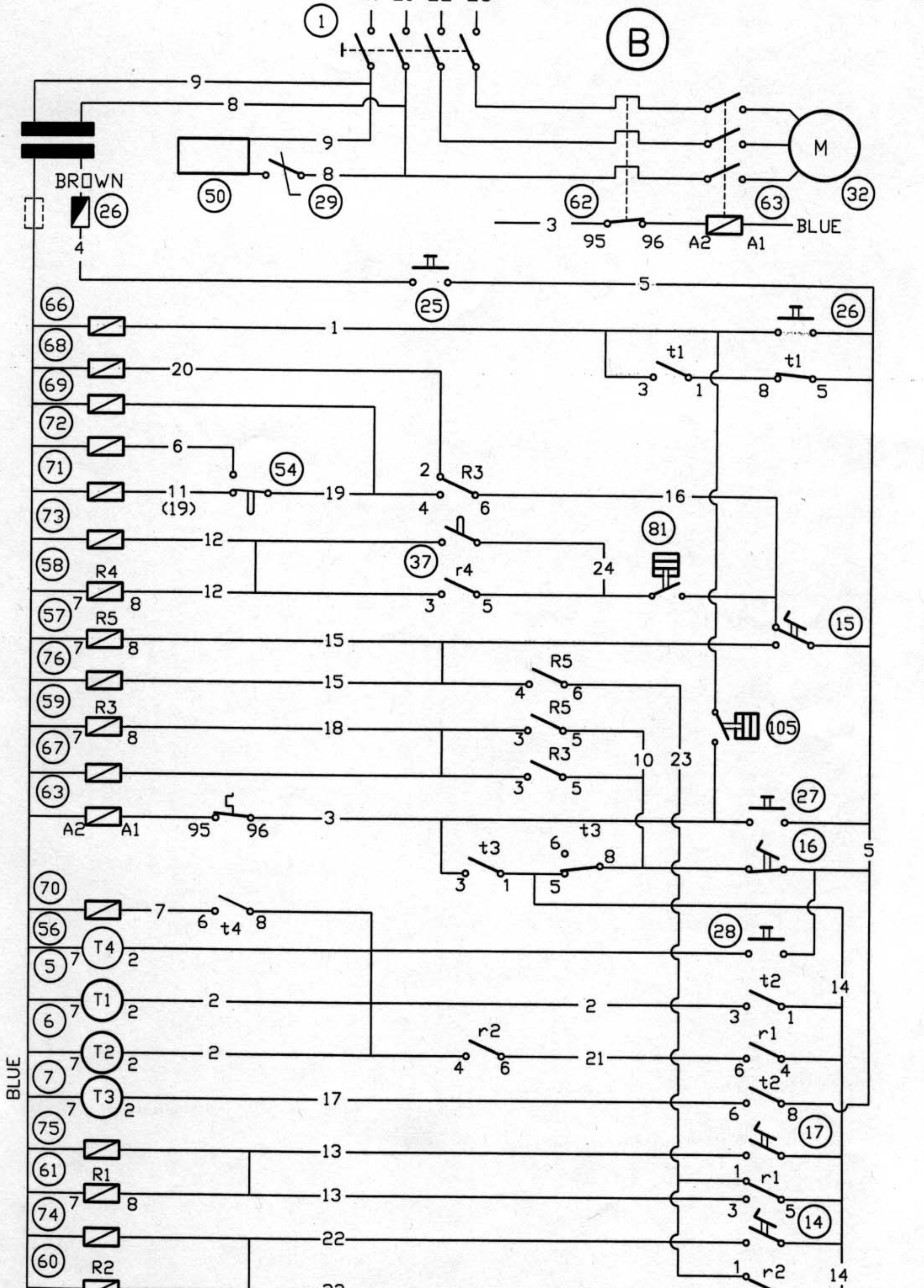
3425-1 B

WIRING DIAGRAM PA-030-A
PA-030-B
PA-030-NS

PA-030-NS (69-72-54)

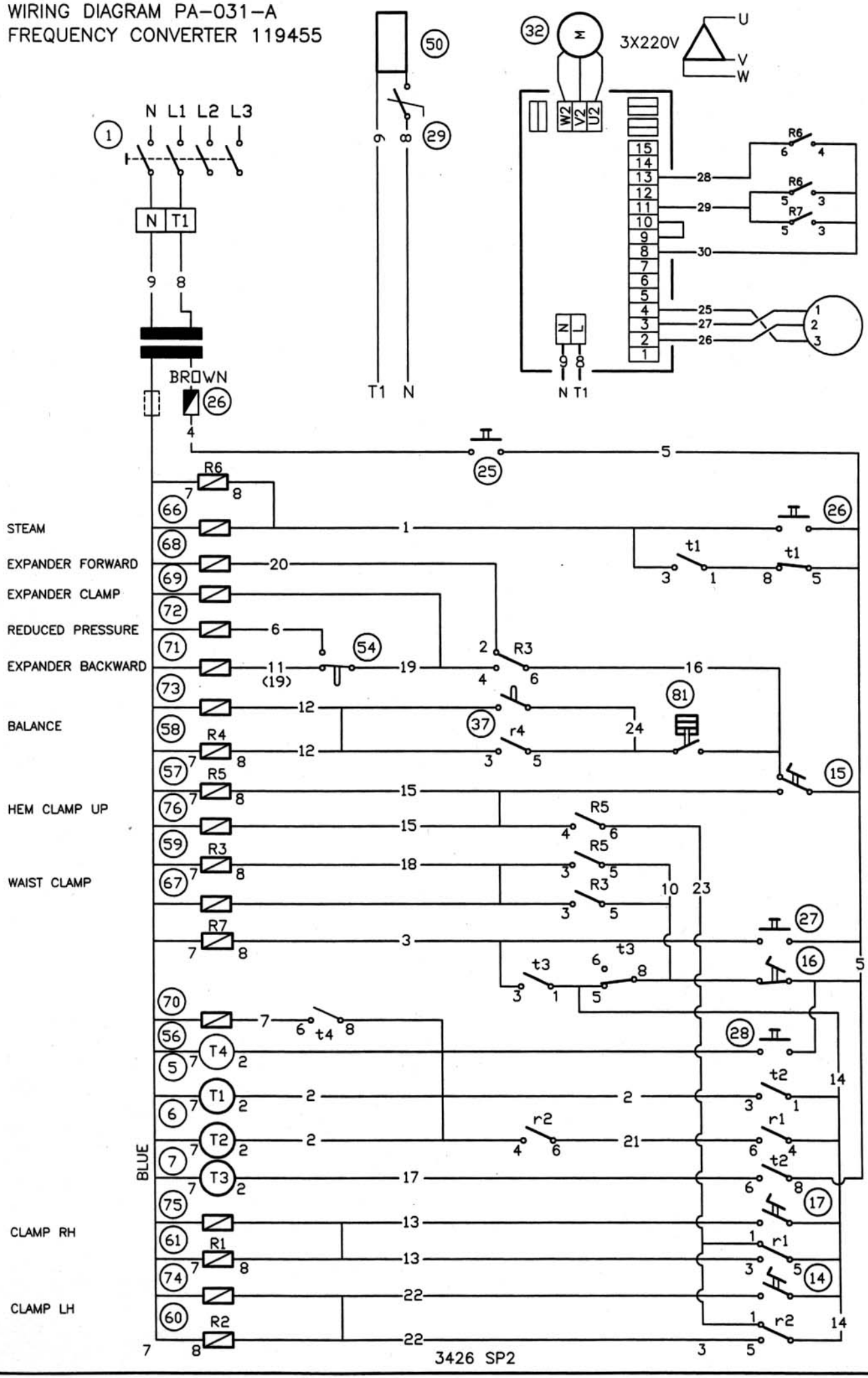


WIRING DIAGRAM PA-031-A & PA-031-B

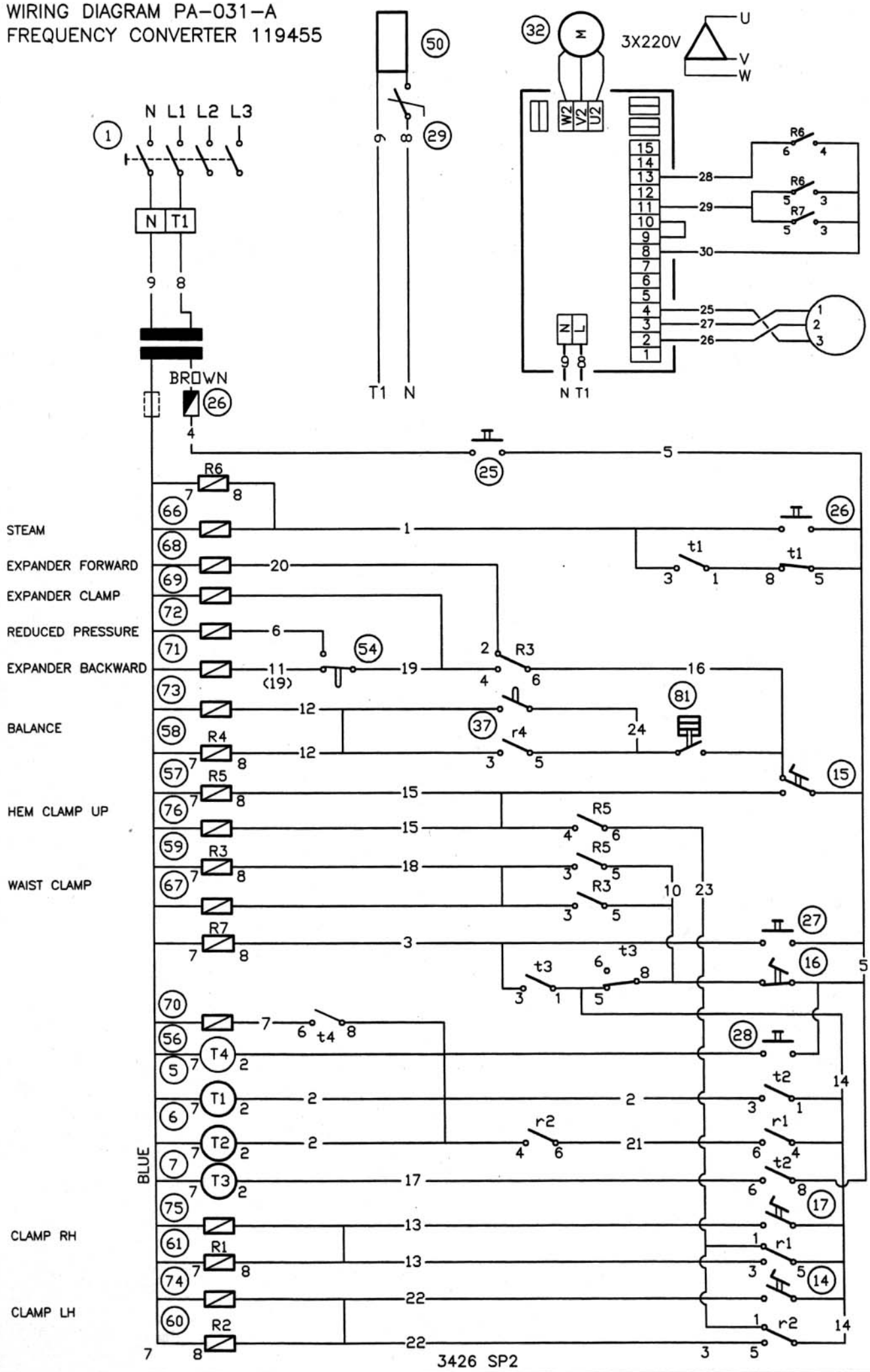


3426 A

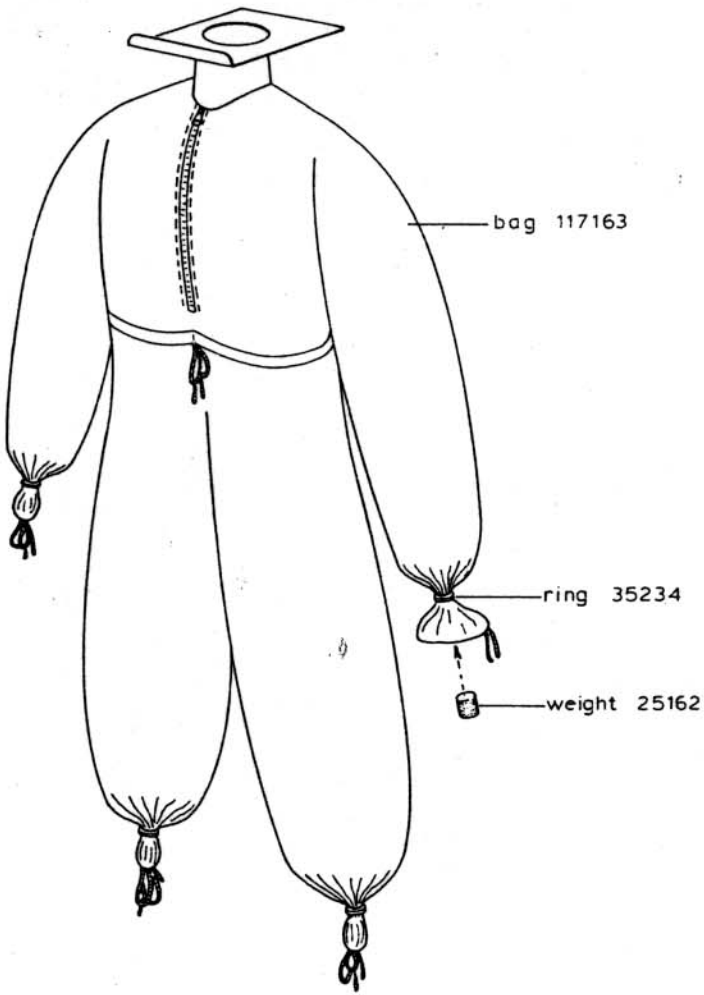
WIRING DIAGRAM PA-031-A
FREQUENCY CONVERTER 119455



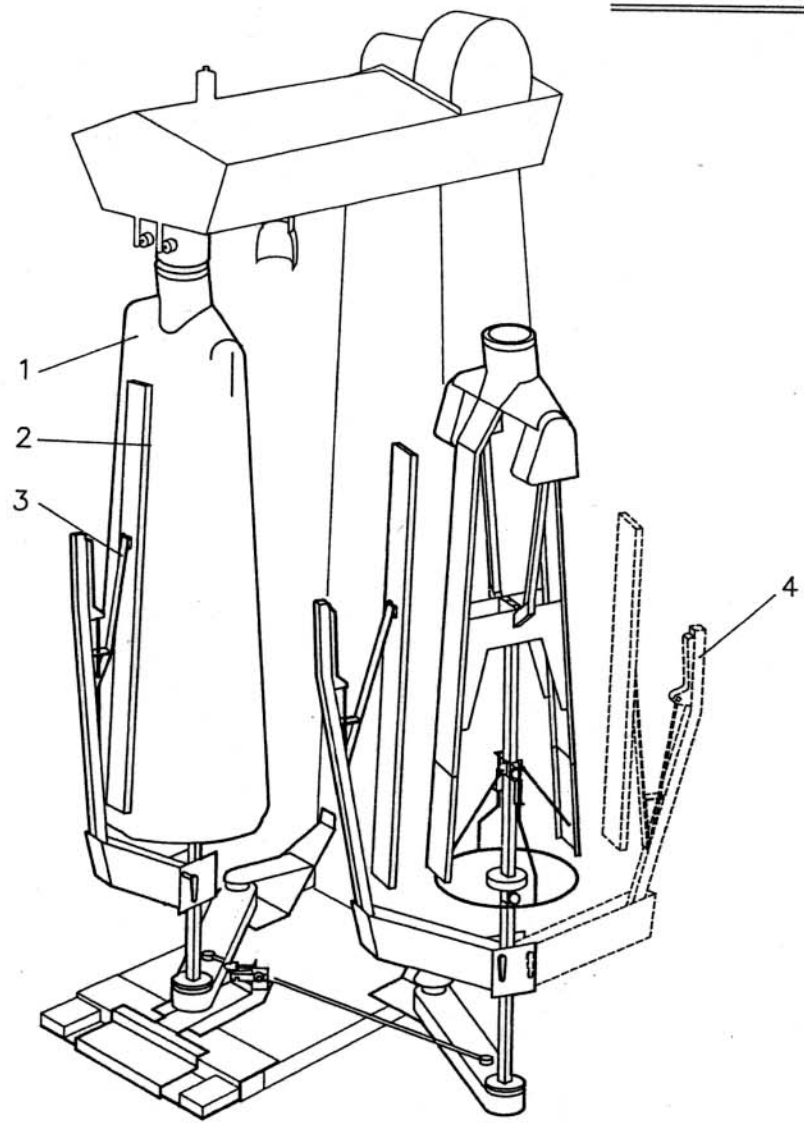
WIRING DIAGRAM PA-031-A
FREQUENCY CONVERTER 119455



OVERALL FORM 120851

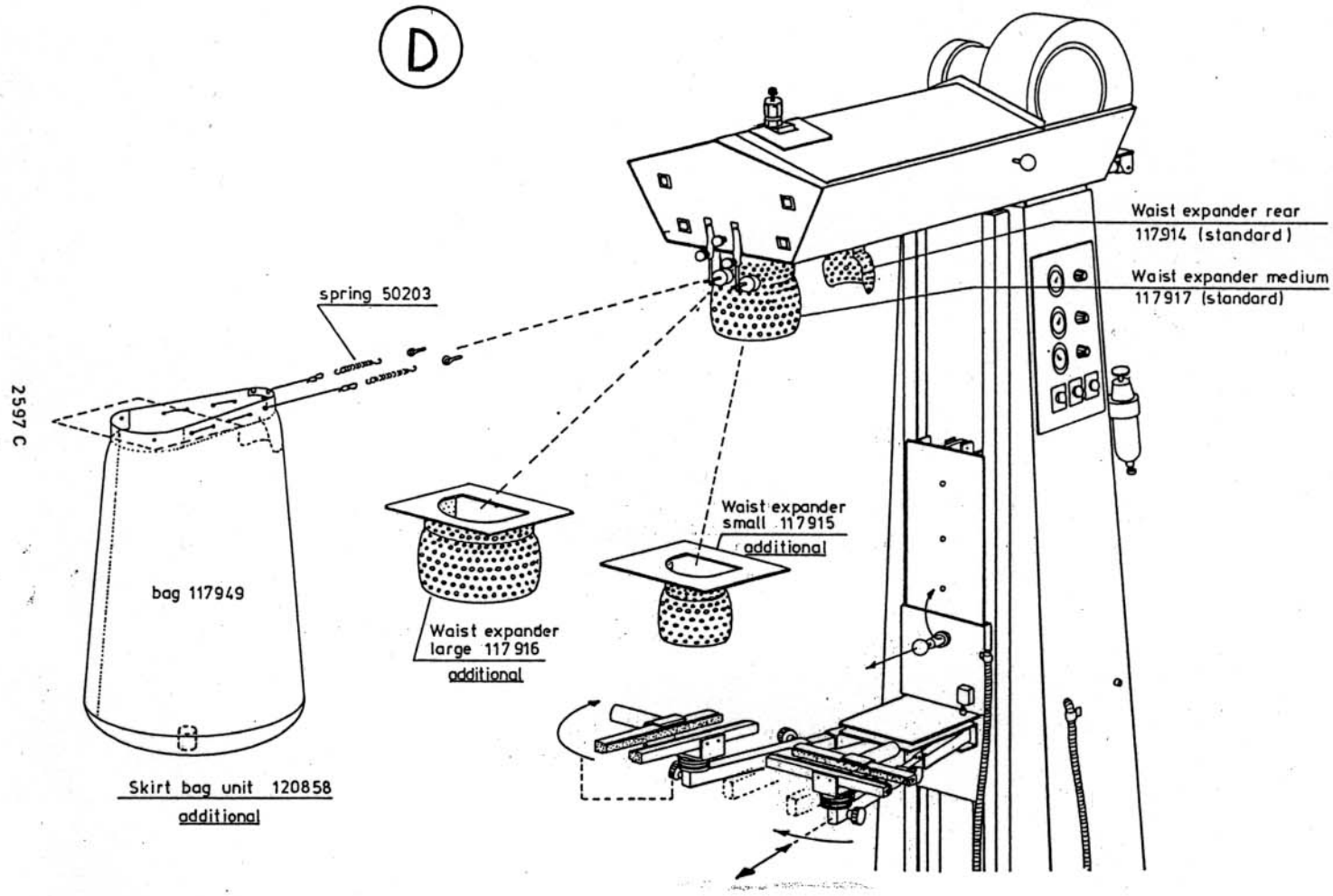


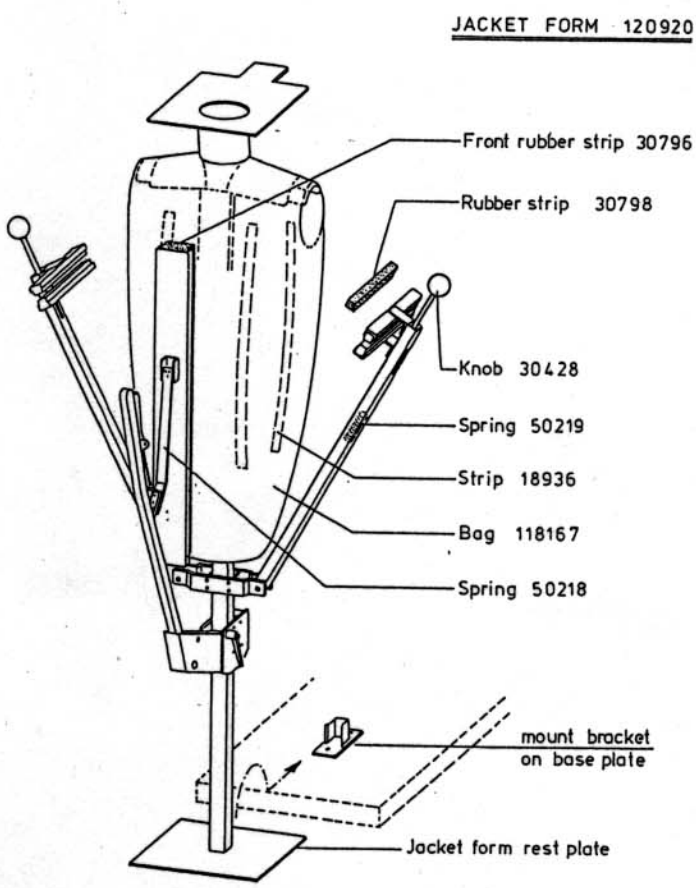
TWIN SET 118484

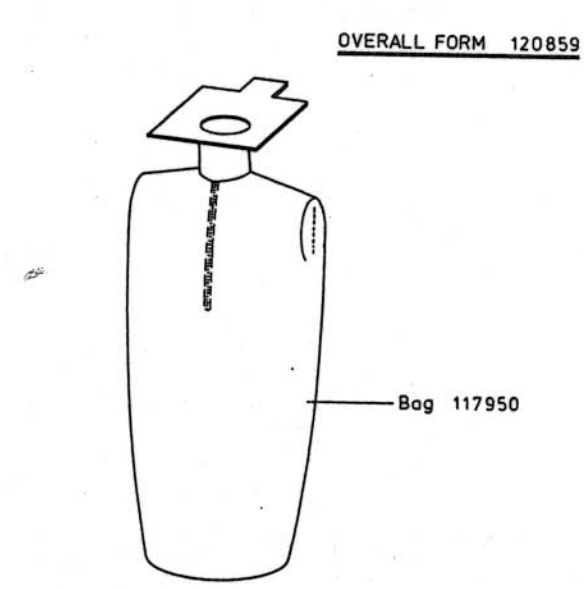


SPARE PARTS

1	BAG	118226
2	PRESS. PLATE RUBBER	30796
3	SPRING BLADE	50218
4	SET OF 2 REAR PADDLE CLAMPS	120972

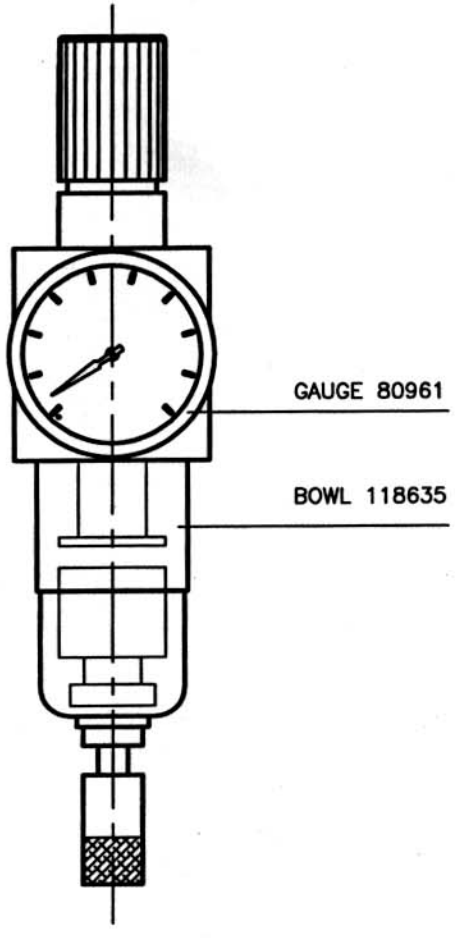

D
2597 C
spring 50203
bag 117949
Skirt bag unit 120858
additional
Waist expander
large 117916
additional
Waist expander
small 117915
additional
Waist expander rear
117914 (standard)
Waist expander medium
117917 (standard)


JACKET FORM 120920
Front rubber strip 30796
Rubber strip 30798
Knob 30428
Spring 50219
Strip 18936
Bag 118167
Spring 50218
mount bracket
on base plate
Jacket form rest plate


OVERALL FORM 120859
Bag 117950

2598 d

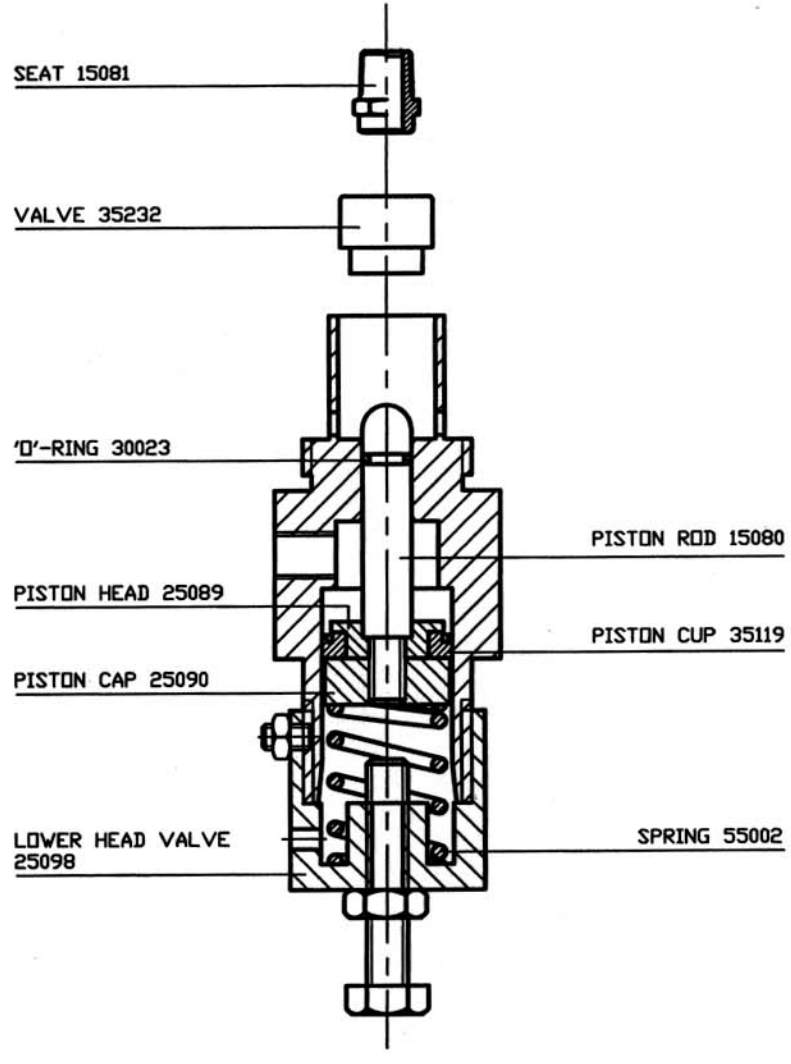
AIR CONTROLE ASSY 118593 (including automatic drain)
AIR CONTROLE ASSY 118551 (without automatic drain)



REPAIR KIT 118634

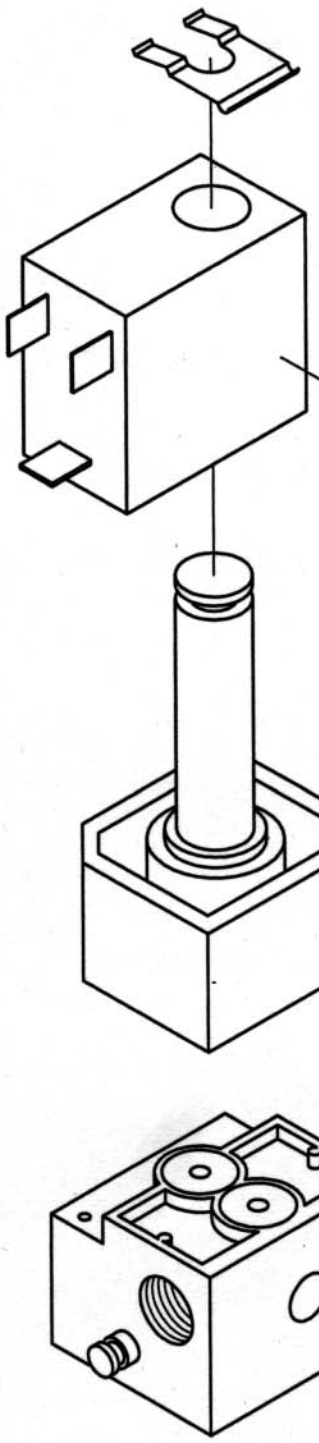
PNEUMATIC STEAM VALVE

115609



SOLENOID VALVES

Solenoid valve complete 118602

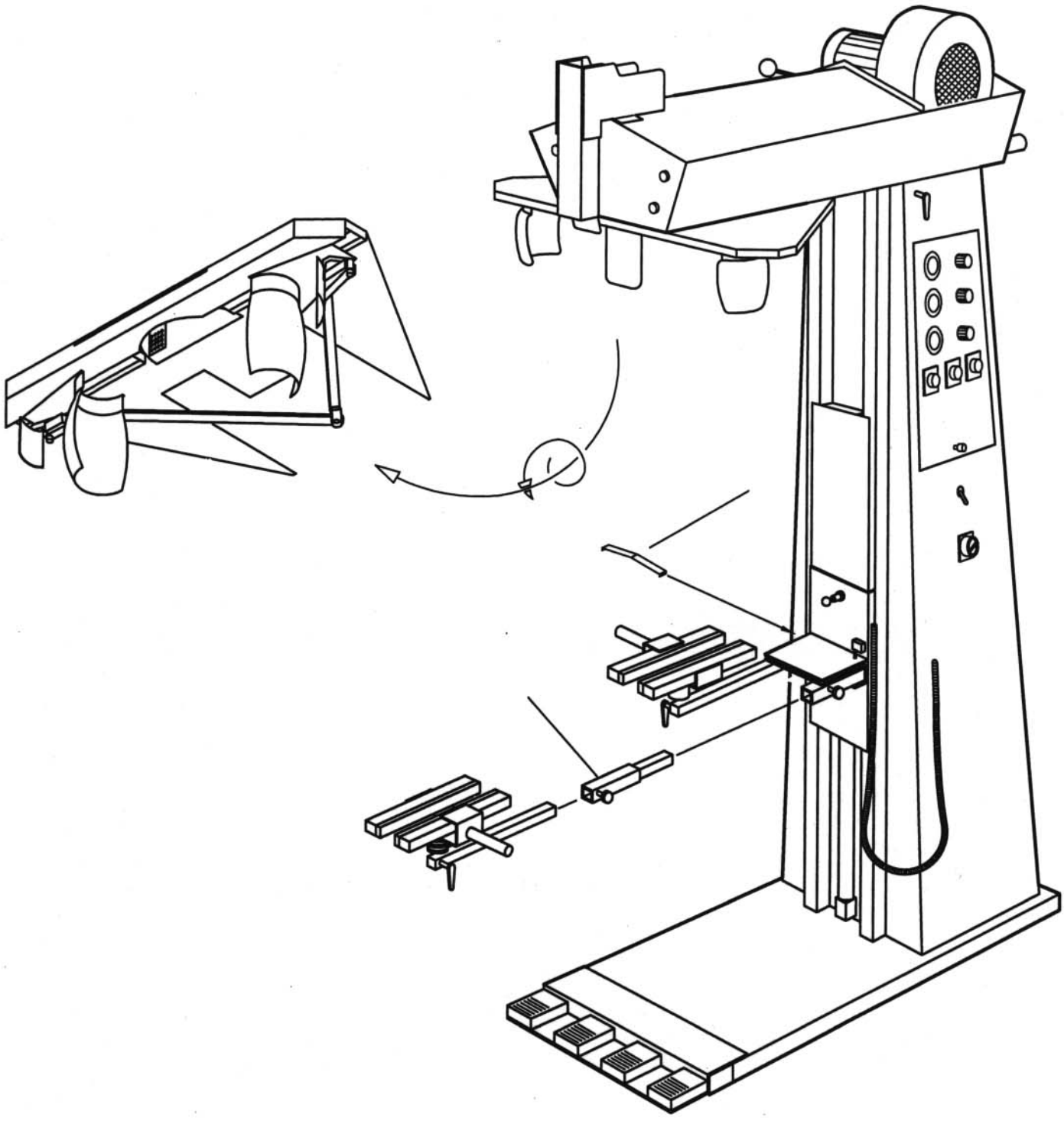


COIL 24V-50/60Hz 118630

VALVE BODY 118631

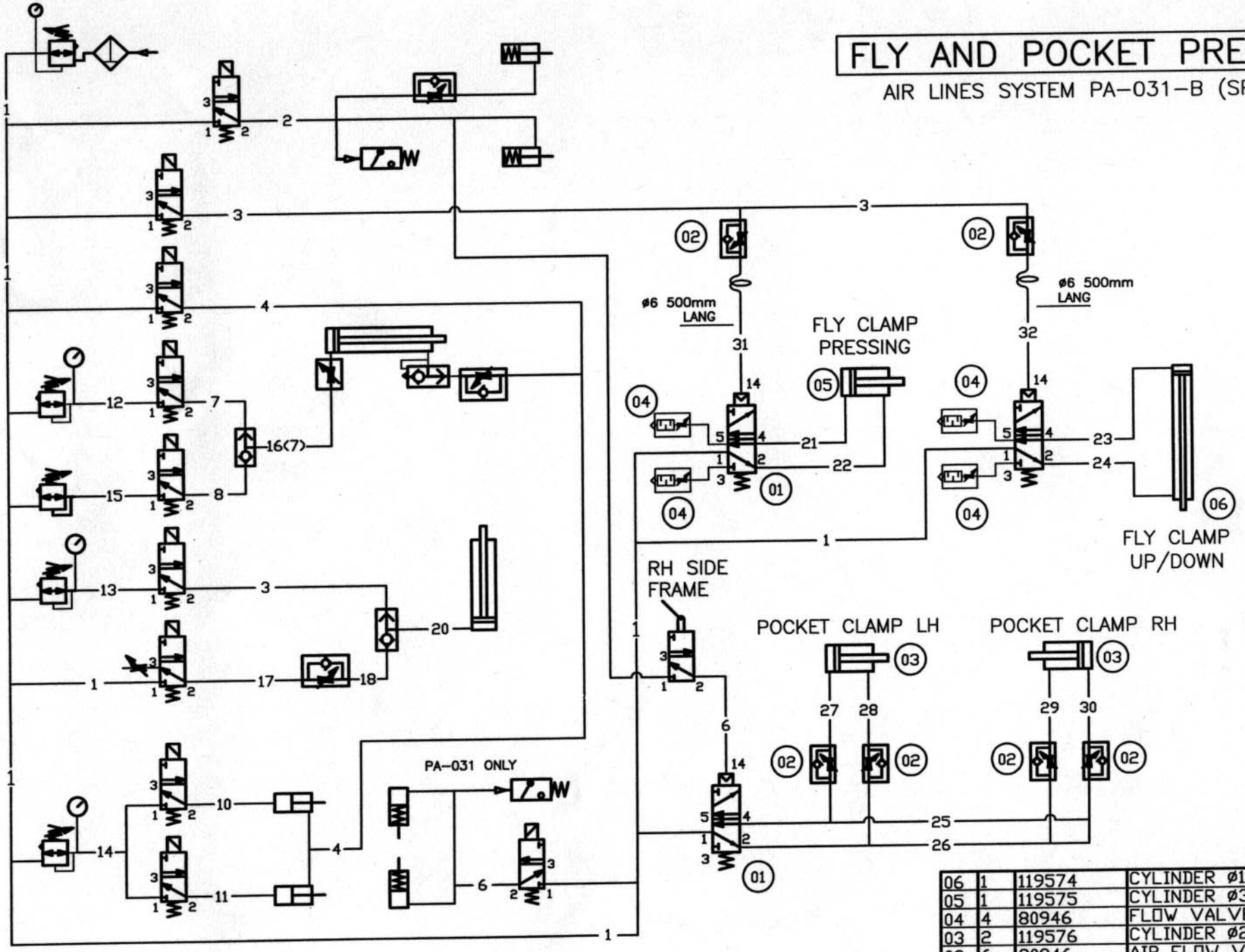
VALVE BASE 118632
(INCLUDING SEAL RINGS)

FLY AND POCKET PRESSING



FLY AND POCKET PRESSING

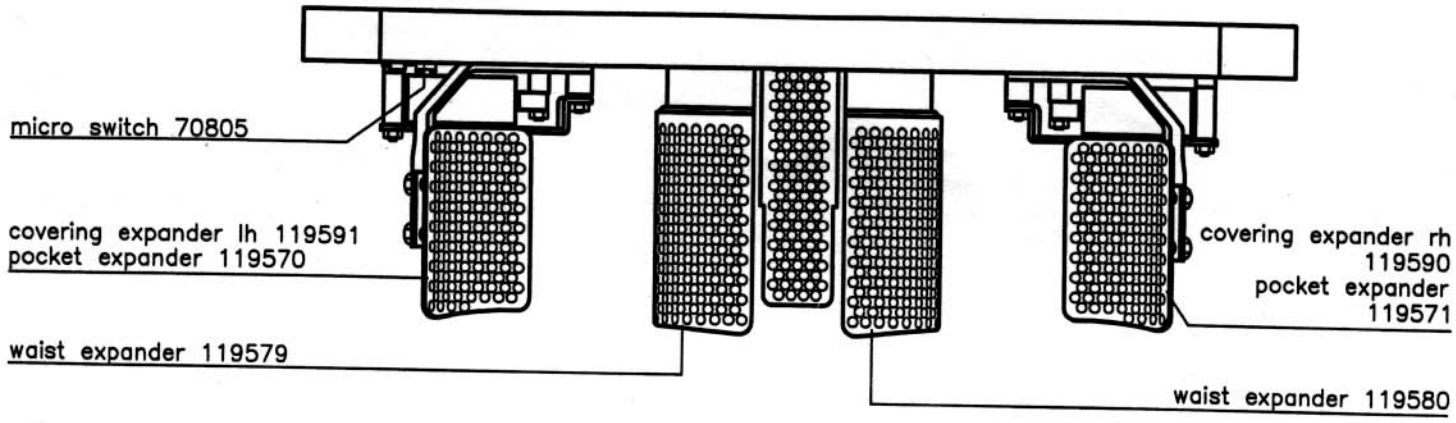
AIR LINES SYSTEM PA-031-B (SPECIAL)

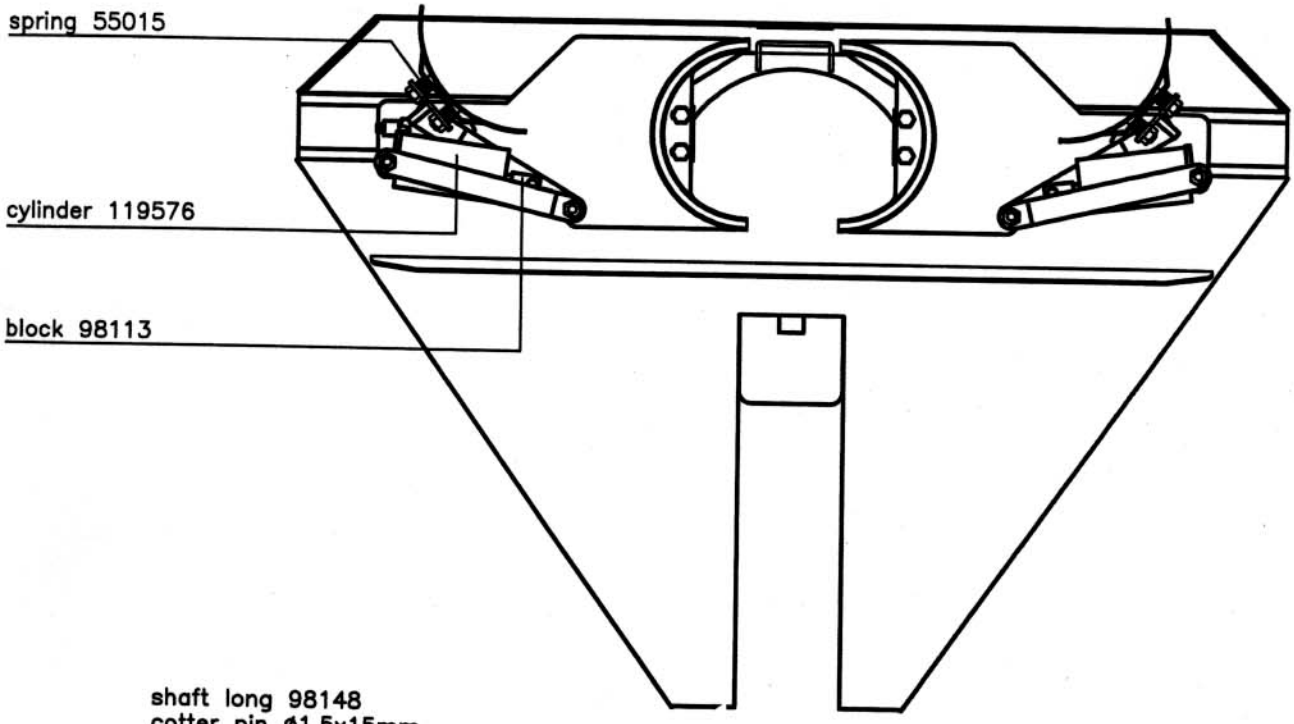


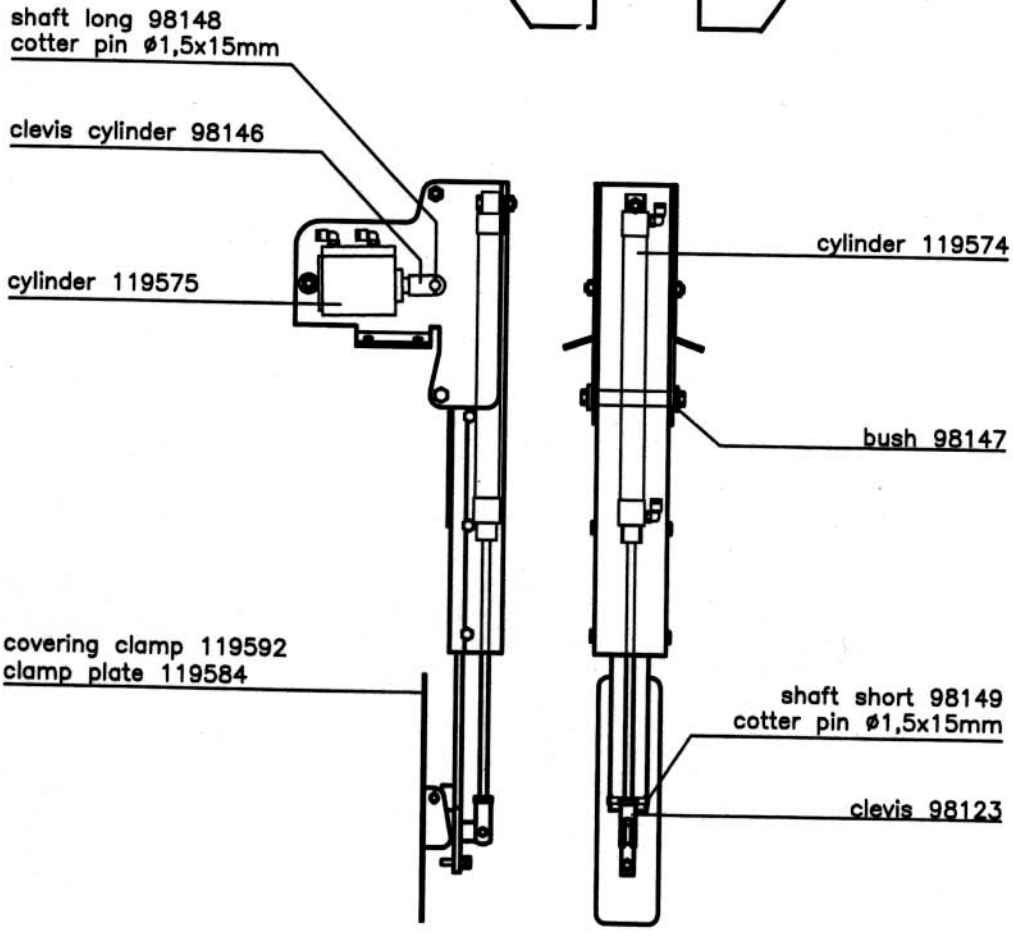
031_3

06	1	119574	CYLINDER ø16x200
05	1	119575	CYLINDER ø32x20
04	4	80946	FLOW VALVE 1/8"
03	2	119576	CYLINDER ø25x50
02	6	80846	AIR FLOW VALVE
01	2	119284	5/2 AIR VALVE 1/8"

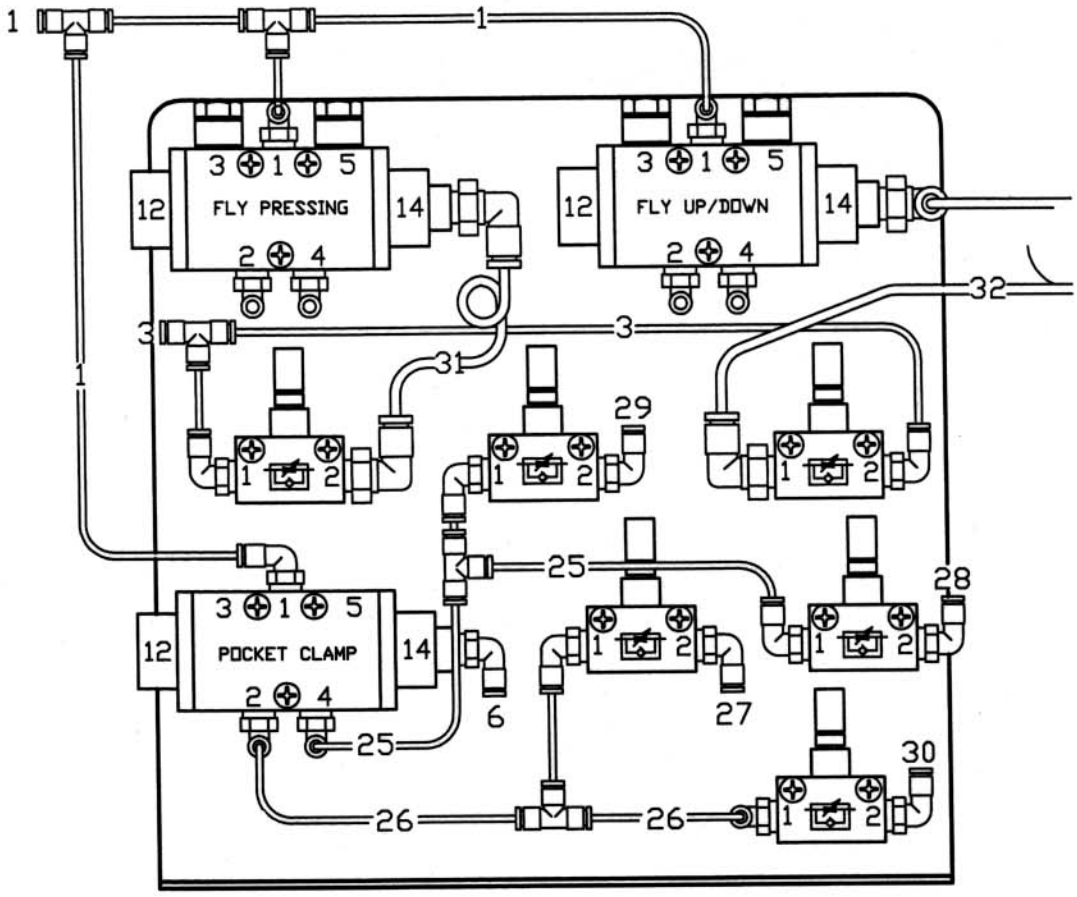
FLY AND POCKET PRESSING

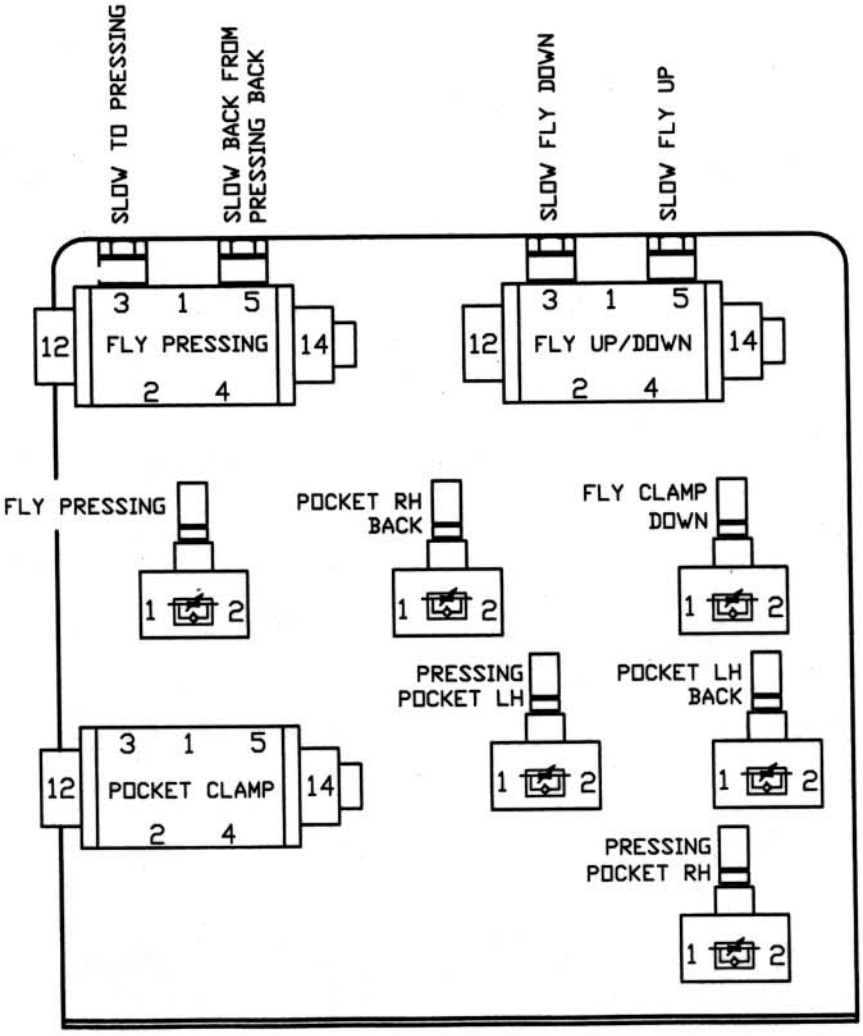






FLY AND POCKET PRESSING





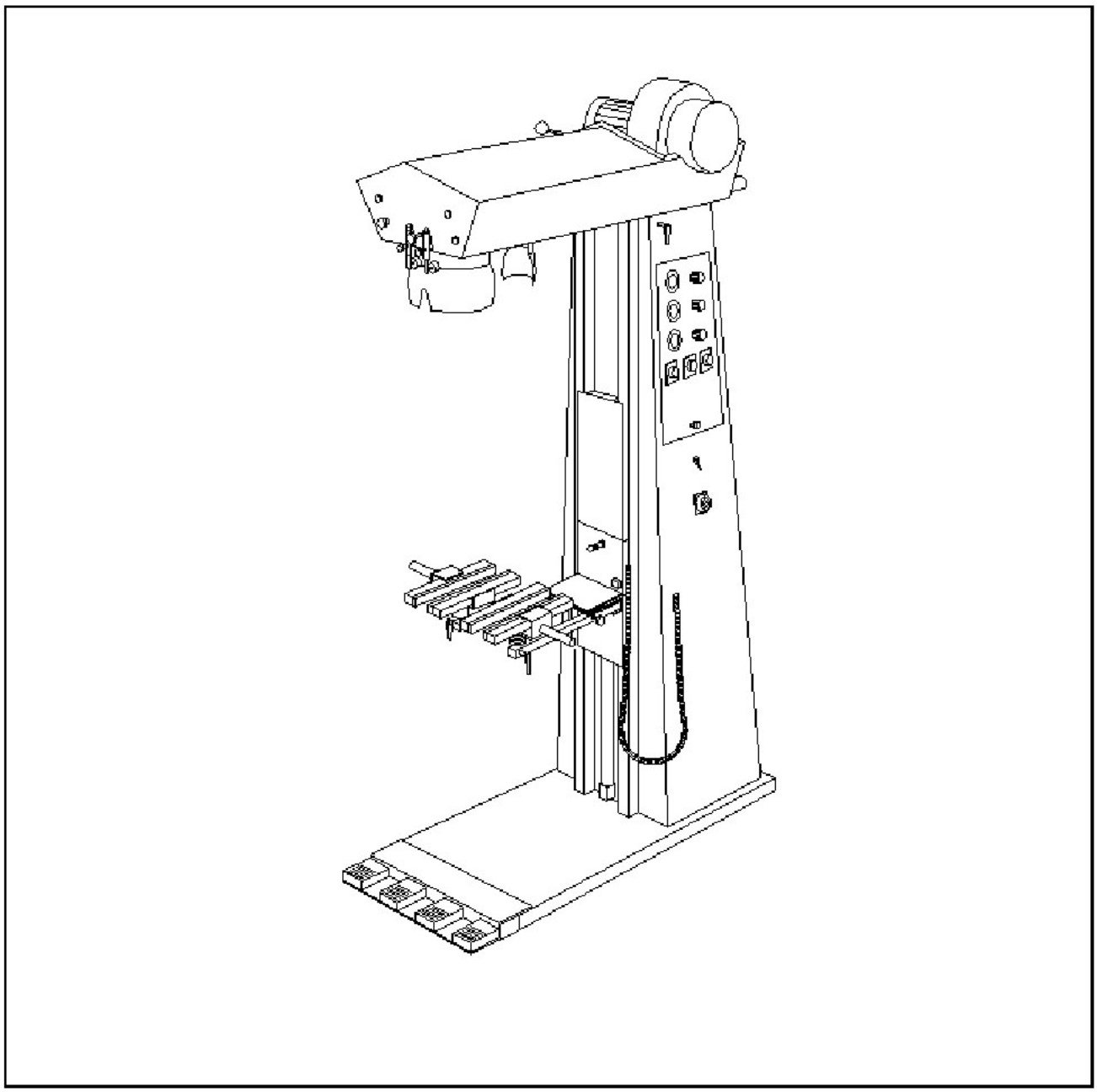
031_4

Manual

BIG JIM

KLEDING STOMER / MULTI FINISHER

MULTI FINISHER / CONDITIONNEUR



CISSELL Manufacturing Co.
831 South First Street / P.O.Box 32270
Louisville,KY 40232-2270 USA
Tel.: (502) 587-1292
Fax: (502) 585-3625

030A/030B
031A/031B

WARRANTY

The Cissell Manufacturing Company (Cissell) warrants all new equipment (and the original parts thereof) to be free from defects in material or workmanship for a period of one (1) year from the date of sale thereof to an original purchaser for use, except as hereinafter provided. With respect to non-durable parts normally requiring replacement in less than one (1) year due to normal wear and tear, including, but not limited to, cloth goods, valve discs, hoses, and iron cords, and with respect to all new repair or replacement parts for Cissell equipment for which the one (1) year warranty period has expired, or for all new repair or replacement parts for equipment other than Cissell equipment, the warranty period is limited to ninety (90) days from date of sale. The warranty period on each new replacement part furnished by Cissell in fulfillment of the warranty on new equipment or parts shall be for the unexpired portion of the original warranty period on the part replaced.

With respect to electric motors, coin meters and other accessories furnished with the new equipment, but not manufactured by Cissell, the warranty is limited to that provided by the respective manufacturer.

Cissell's total liability arising out of the manufacture and sale of new equipment and parts, whether under the warranty or caused by Cissell's negligence or otherwise, shall be limited to Cissell repairing or replacing, at its option, any defective equipment or part returned f.o.b. Cissell's factory, transportation prepaid, within the applicable warranty period and found by Cissell to have been defective, and in no event shall Cissell be liable for damages of any kind, whether for any injury to persons or property or for any special or consequential damages. The liability of Cissell does not include furnishing (or paying for) any labor such as that required to service, remove or install; to diagnose troubles; to adjust, remove or replace defective equipment or a part; nor does it include any responsibility for transportation expense which is involved therein.

The warranty of Cissell is contingent upon installation and use of its equipment under normal operating conditions. The warranty is void on equipment or parts; that have been subjected to misuse, accident, or negligent damage; operated under loads, pressures, speeds, electrical connections, plumbing, or conditions other than those specified by Cissell; operated or repaired with other than genuine Cissell replacement parts; damaged by fire, flood, vandalism, or such other causes beyond the control of Cissell; altered or repaired in any way that effects the reliability or detracts from its performance, or; which have had the identification plate, or serial number, altered, defaced, or removed.

No defective equipment or part may be returned to Cissell for repair or replacement without prior written authorization from Cissell. Charges for unauthorized repairs will not be accepted or paid by Cissell.

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