Dear Customer,

This brochure contains information about your Auto Print Processor which will enable you to do your own trouble shooting.

Whenever you want to do any service work on the machine, switch it off and pull the A.C. power plug from the wall.

The first three pages contain a trouble shooting list describing the problem encountered, possible causes and remedies. The figures mentioned in the columns "Possible causes" and "Remedies" refer to the spare parts list, the first figure indicating the page, the second the number on the illustration.

From page 5 to 11 we have described how to replace electrical components of the machines.

Pages 12 to 15 describe how you can check electrical components inside the machine and on the control panel by means of an ohmmeter.

If none of the components is faulty, one or both electronic p.c. boards will have a defect. Remove the boards from the machine and send them to your dealer for repair.

Page 17 contains the Electrical Block Diagram.

After page 17 is an 12 page Spare Parts List with exploded view diagrams.

CONTENTS

Problem	Possible causes	Remedies
1. No pump movement in bath 1 or 3	a) Air in pump circuit !	Operate rocker switch 2/6 several times at short intervals or drain approx. 500 cm^3 through drain hose and then refill.
	b) Open thermal fuse in pump	Replace, see Para 17.0
	c) Pump 3/3 defective	Check Para 16.1. Replace pump (Para 4.0)
	d) Overheat protection thermostat defective or set too low	Replace or set to higher temperature (see Para 7.0)
	e) Rocker switch (SSSS) defective	Replace (see Para 1.0)
2. No temperature display	a) Cover not fitted correctly on machine	Fit cover correctly
	b) Switching tab of paper feed actuator 1/3 bent	Remove cover. Place a magnetizable metal object on the rail above the inductive proximity switch 3/4. If display appears after about 9 sec., switching tab has to be straightened. If there is no display, proximity switch is defective.
	c) Phototransistor (light sensor) 2/8 in shadow	Direct light on to phototransistor
	d) Inductive proximity switch (paper feed sensor) 3/4 defective	See b) - replace if necessary
	e) No power supply	Check fuse 2/4 (F2/F3).
	f) Phototransistor 2/8 defective	Replace - observe correct polarity! (Para 13.0)
3. Baths do not heat up	a) Flat heater 3/1 defective	Check Para 16.2. Replace (Para 5.0)
	b) Overheat protection thermostat 5/4 defective or set too low	Replace or set to higher temperature (Para 7.0)
	c) Fuse 2/3 blown	Check (F1)
	d) Preselector (temperature control) 2/9 set too low	Set to higher temperature
	e) Rocker switch 2/6 (SSSS) defective	Replace (Para 11.0)
	f) Preselector 2/9 defective	Replace (Para 12.0)
	g) P.C. board for temperature regulator 2/5 defective	Replace (Para 14.0)

Problem	Possible causes	Remedies
4. Bath temperature differs from value displayed	a) NTC temperature sensor 2/12 defective b) P.C. board 2/5 defective	Check Para 16.3. Replace (Para 6.0) Replace (Para 14.0)
5. LED display 2/7 rises above value set or fails to reach it	a) Preselector 2/9 defective b) P.C. board 2/5 defective	Replace (Para 12.0) Replace (Para 14.0)
6. LED display jumps by several degrees	a) Temperature sensor short-circuited b) P.C. board 2/5 defective	Check (Para 16.3) Replace (Para 6.0) Replace (Para 14.0)
7. No drive	a) Rocker switch 2/6 M defective b) Speed control p.c. board 2/2 defective c) Connector of p.c. board 2/2 loose d) Motor 3/6 defective e) Sprocket 4/13 or 4/10 loose f) Drive mechanically blocked (stiffness)	Replace (Para 11.0) Replace (Para 15.0) Plug connectors in Check (para 16.4). Replace (Para 3.0) Fasten sprockets (Para 9.0) Take out all racks and check Para 9.0 (dismantle and clean)
8. Drive runs at low speed only	Potentiometer 2/10 defective	Replace (Para 10.0)
9. Drive runs at high speed only 55 cm/min	Potentiometer 2/10 defective	Replace (Para 10.0)
10. Drive runs at max. speed of more than 55 cm/min only	a) P.C. board 2/2 defective b) Light barrier of drive motor defective	Replace (Para 15.0) Check Para 16.4). Replace motor (Para 3.0)
11. Processor does not function at all	a) Transfomer 1/12 defective b) Fuse in transformer defective c) Connectors between transformer and cable harness not plugged in	Replace Replace Plug connectors

Problem	Possible causes	Remedies
12. Drier does not warm up (see also point 15)	a) Relay 1/13 defective b) Connection of relay 1/13 loose	Replace Connect properly
13. No transport motion in rack	a) Rack is not correctly positioned b) Bevel gear 7/12 loose c) Spring 7/13 and/or 7/14 distorted or missing d) Lower deflector guide 7/6 stuck in side panel	Install correctly (Para 9.0) Fasten bevel gear(Para 9.0) Replace or install (Para 9.0) Detach guides and put them loosely on the transport rollers 7/3 (Para 9.0)
14. Refilling bottle leaks	a) Gasket ring 1/17 defective b) Spring 1/19 defective c) Bottle 1/15 defectiv	Replace Replace Replace
15. Drier does not warm up	a) Not plugged into Auto Print Processor (see plug 9/16) b) P.C. board 11/4 defective c) NTC sensor 11/2 defective d) Potentiometer 11/7b defective e) Relay 11/12 defective f) Relay connection loose	Connect and screw down plug 9/16 Replace Replace Replace Replace Connect properly
16. Drying on one side only	a) Fan motor 9/8 defective b) Heater 9/10 defective	Replace Replace
17. No drive on drier	a) Coupling 10/13 does not have contact with roll pin 4/3	Push parts properly together

The reference nos. mentioned above refer to the spare parts list
First figure = page no.
Second figure = part no. on listing

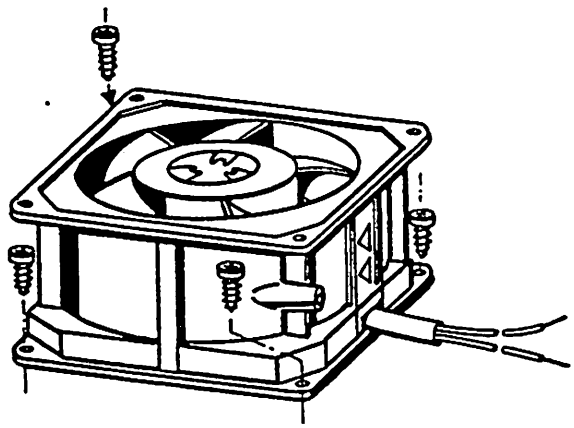
1.0 Working inside the machine

1.1 Disconnect machine from mains supply.
1.2 Drain chemical solutions.
1.3 Unscrew water inlet hose.
1.4 Detach water inlet hose.
1.5 Remove all four racks.
1.6 Unscrew the four fastening screws of top cover.
1.7 Top cover can now be removed and turned over.

2.0 Replacing the fan motor

2.1 Unscrew the four fastening screws of fan motor.
2.2 Separate connection cable from fan motor.

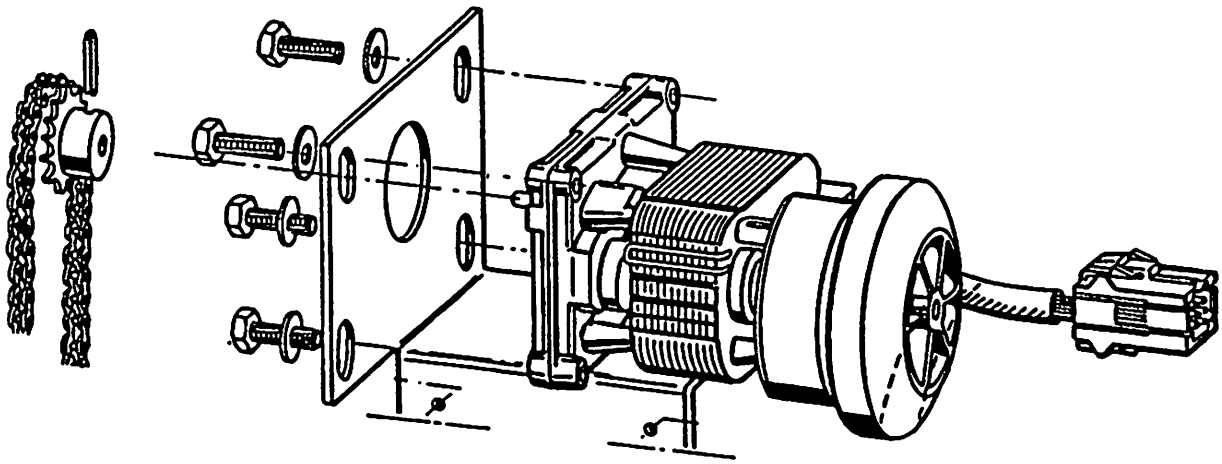
Note: When installing a new motor, make sure that the specification plate of the motor is visible.



3.0 Replacing the drive motor

3.1 Pull motor connectors apart.
3.2 Withdraw ground plug.

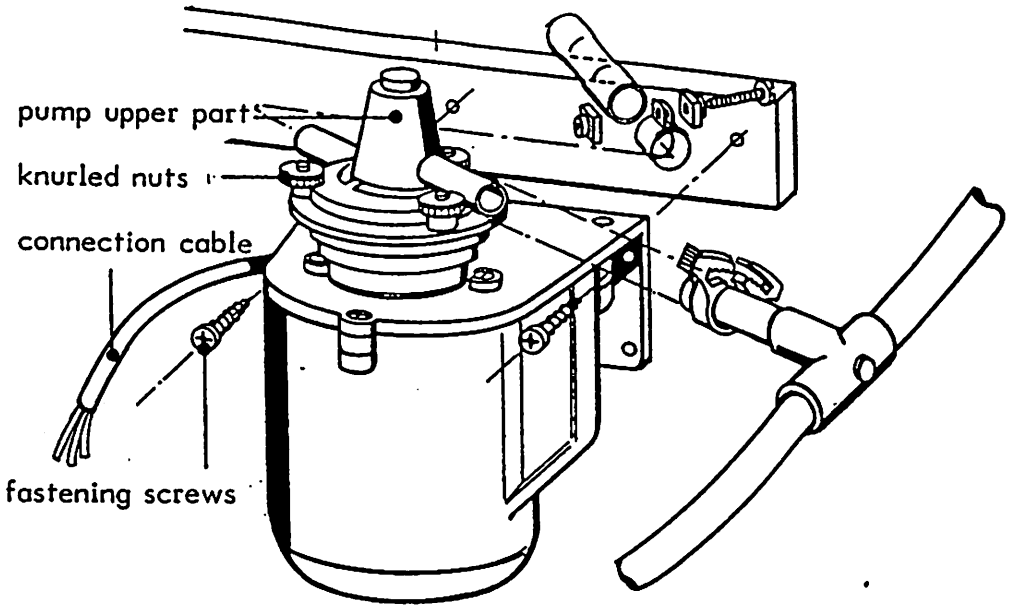
Note: When mounting a new motor, do not overtension the chain.



4.0 Replacing the pump

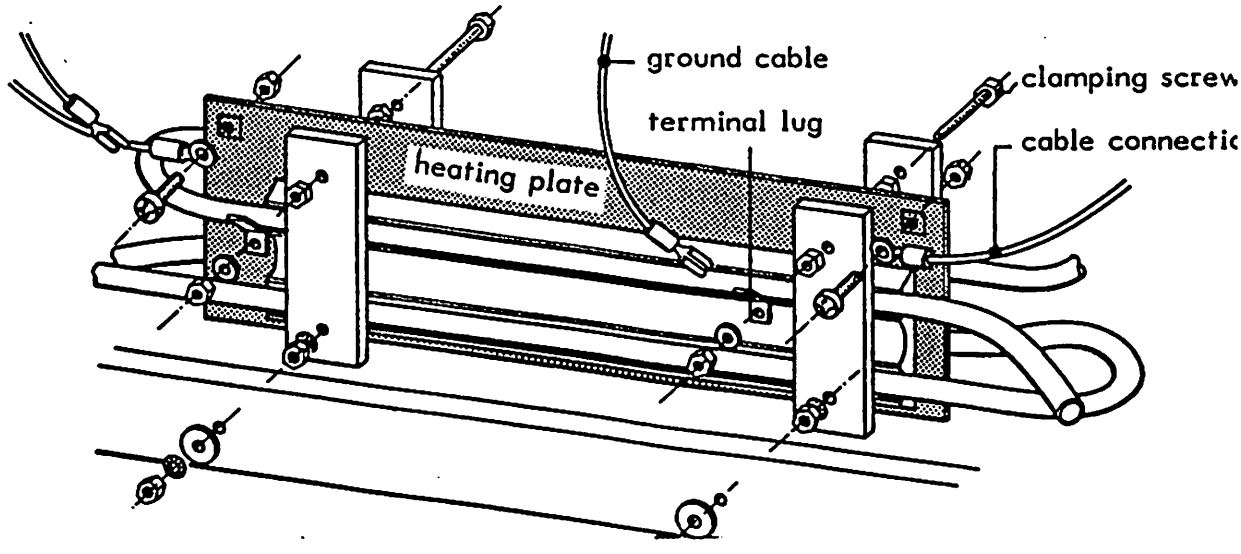
4.1 Separate connection cable from pump
4.2 Detach hose connections.
4.3 Undo the two pump fastening screws by means of a long Phillips screwdriver.

Note: When mounting a new pump, make sure that the discharge connector on top of the pump is aligned with the hoses. To make the necessary alignment, loosen the 3 knurled nuts on top of the pump and turn the upper section of the pump until the discharge connector points in the same direction as the hoses. Then refasten the knurled nuts and secure with sealing wax.



5.0 Replacing the heating plate

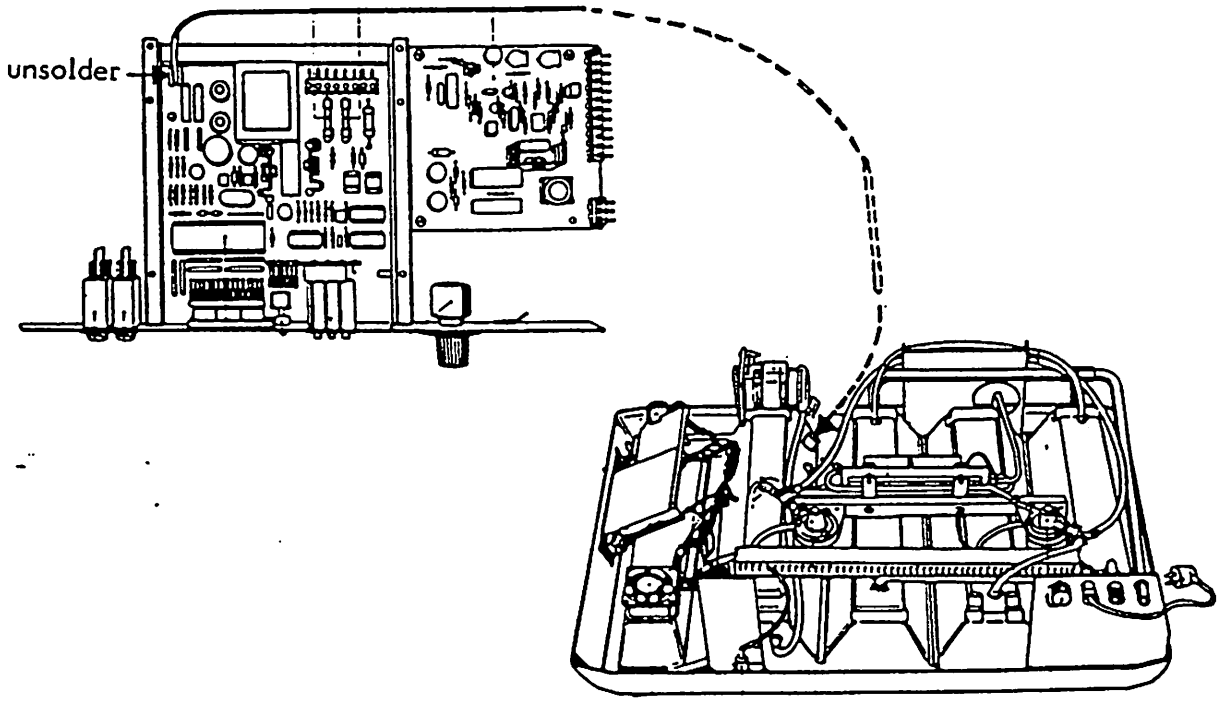
5.1 Detach the two ground cables.
5.2 Unscrew the cable connections for the heating plate.
5.3 Detach the terminal lugs of the ground cables.
5.4 Undo the clamping screws for the heating plate.
5.5 Slide heating plate out.



6.0 Replacing the temperature sensor (NTC)

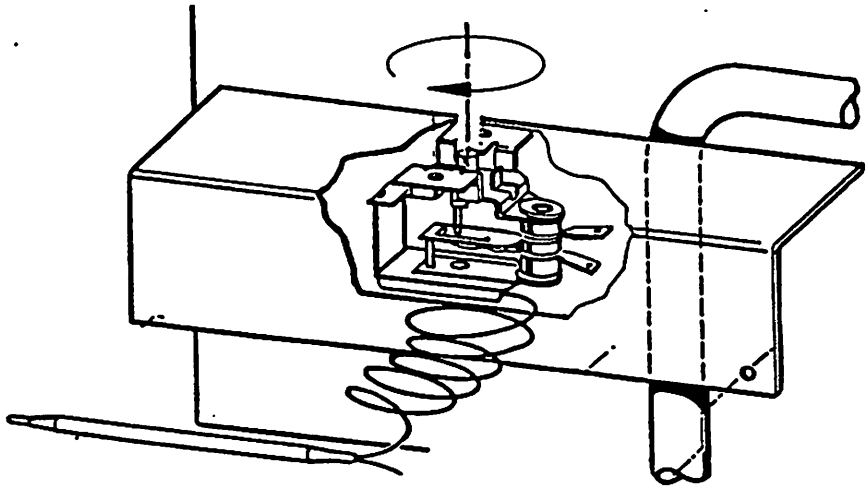
6.1 Remove control panel with p.c. boards (remove 6 screws).
6.2 Unsolder connection of temperature sensor from p.c. board for heating system (there is no need to pay attention to polarity).
6.3 Withdraw cap from temperature sensor glass tube.

Note: When installing a new temperature sensor, use silicon heat sink compound (GC Electronics Type 29 or equivalent). Slide the sensor into the glass tube as far as it will go. Make sure that no air cushion is formed as this will force the sensor out.



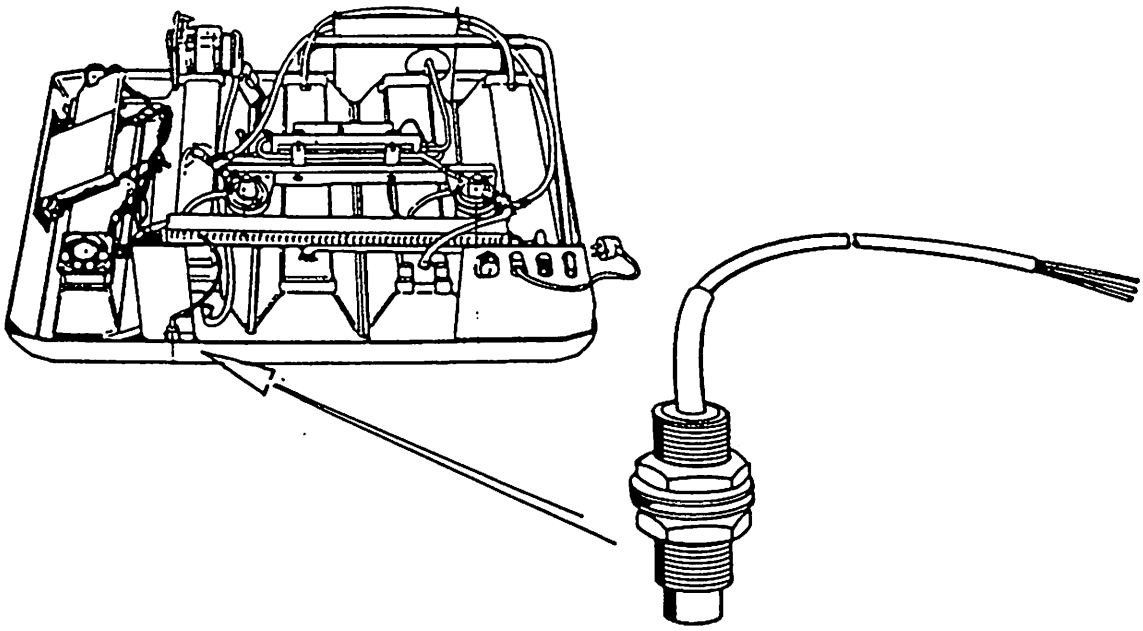
7.0 Adjusting the overheat protection thermostat

Turn the built-in overheat protection to the L.H. stop and then 90° clockwise.



8.0 Paper feed sensor (inductive proximity switch)

Adjust this switch in such a way that it touches the housing.



9.0 Work on the racks

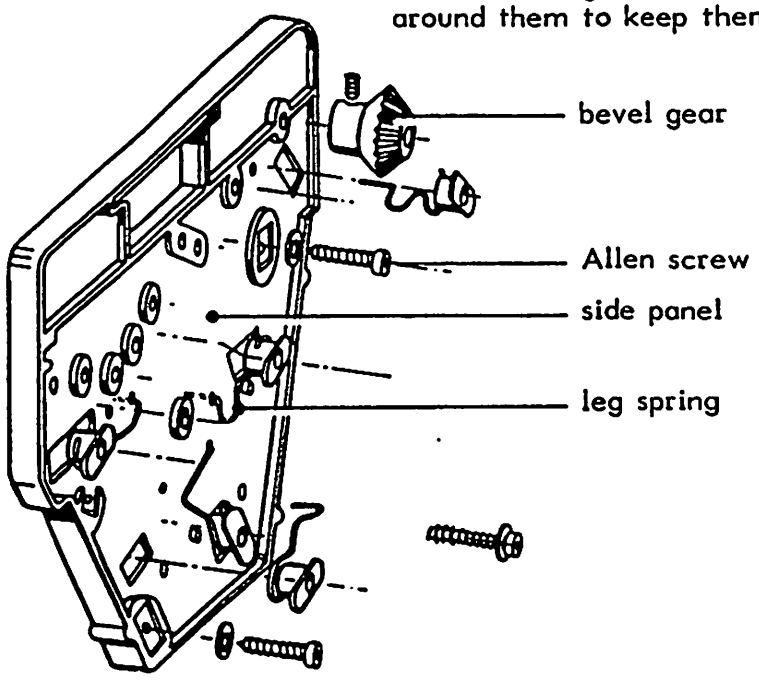
9.1 Remove paper guide.
9.2 Put rack on edge.
9.3 Loosen Allen screws and then detach bevel gear and set collar.

Note: Mark position of set collar.

9.4 Remove 5 leg springs.
9.5 Remove 3 Phillips screws.
9.6 Remove side panel.

The rollers can now be taken out individually.

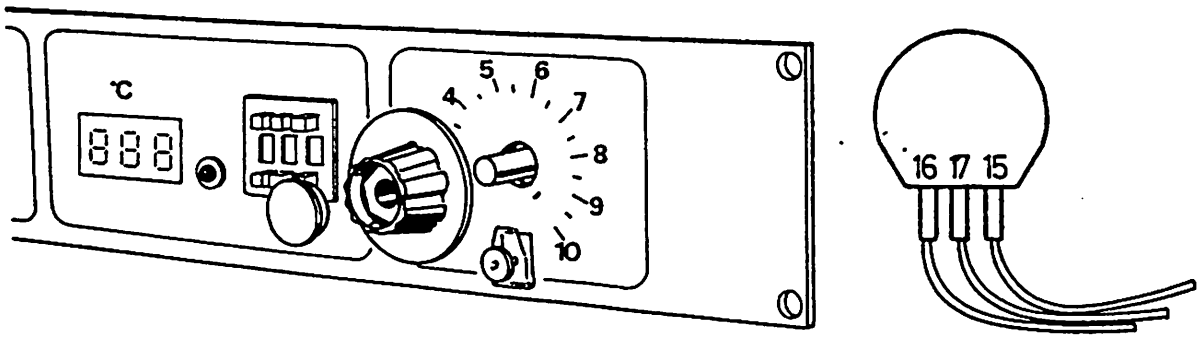
Recommendation: When refitting the rollers, place a rubber band around them to keep them from falling apart.



10.0 Replacing the speed control potentiometer

10.1 Remove control panel.
10.2 Lift off green cap of speed control button.
10.3 Loosen threaded insert.
10.4 Turn catch aside.
10.5 Take off speed control knob.
10.6 Remove fastening nut of potentiometer.
10.7 Unsolder connection cables.

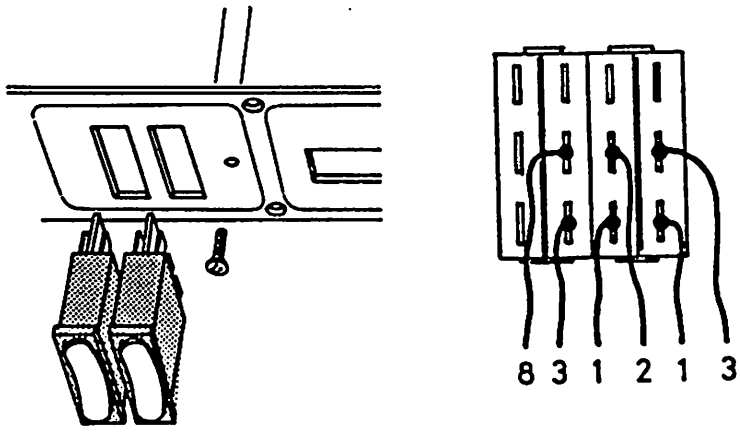
Note: Solder the cables as shown on the sketch below.



11.0 Replacing the rocker switch (SSSS) and the (M) switch

11.1 Remove control panel.
11.2 Pull off connection cables.
11.3 Squeeze ratchets of switches and force switches out towards the operator side.

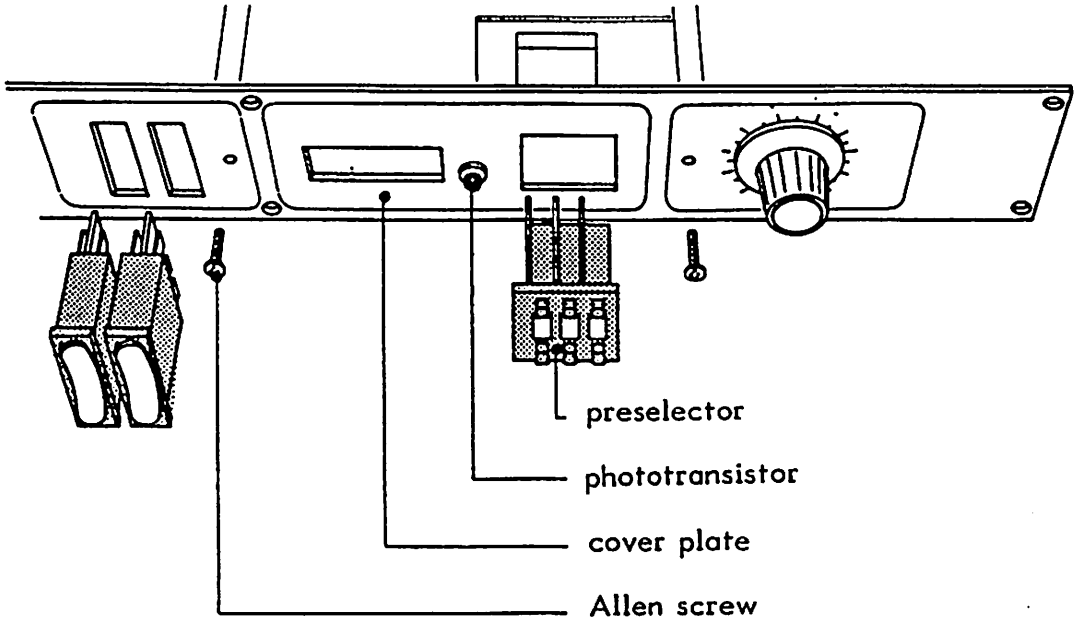
Note: Plug the cables in as shown on the sketch below.



12.0 Replacing the temperature preselector

12.1 Remove control panel.
12.2 Remove the two Phillips screws (beside rocker switches and speed control knob).
12.3 Remove cover plate with preselector and phototransistor.
12.4 Press the two ratchets of the preselector together and force preselector out towards the operator side.

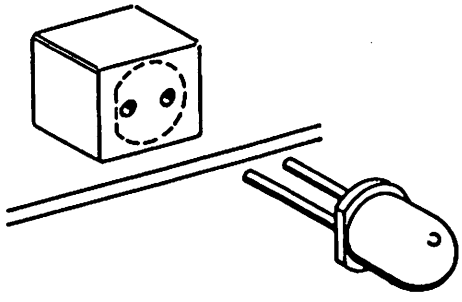
Note: Do not mix up the connections of the phototransistor.



13.0 Replacing the phototransistor

13.1 Remove control panel.
13.2 Undo the two Phillips screws (beside rocker switches and speed control button).
13.3 Lift off cover plate with preselector and phototransistor.
13.4 Remove fastening ring from phototransistor.
13.5 Push phototransistor out away from the operator side.

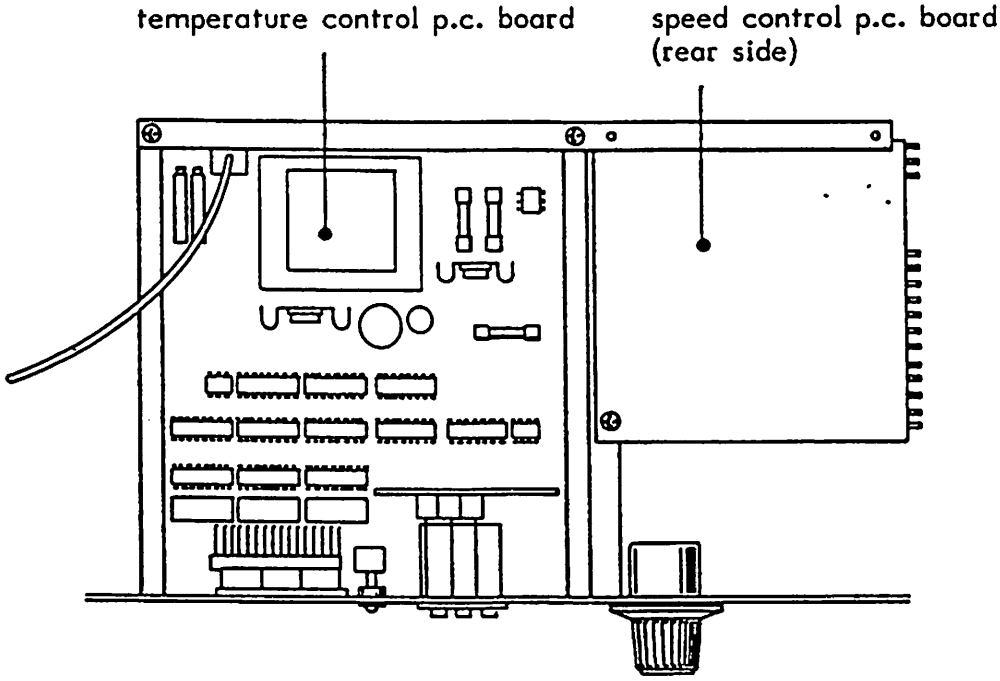
Note: Fit the phototransistor as shown by the symbol on the phototransistor connection.



14.0 Replacing the temperatur control p.c. board

14.1 Remove control panel.
14.2 Detach 8-pole connector.
14.3 Unsolder temperature sensor.
14.4 Undo Phillips screws.
Detach p.c. board carefully from preselector and phototransistor.

Note: Do not mix up the connections of the phototransistor.



15.0 Replacing the speed control p.c. board

15.1 Remove control panel.
15.2 Remove speed control p.c. board.
15.3 Undo the 3 Phillips screws.
15.4 Detach 19-pole connector.

Attention: Do not forget to fit the spacer tubes for fastening the p.c. board.

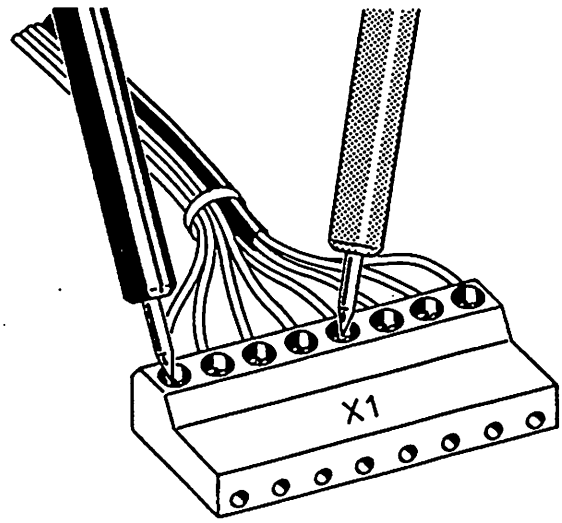
16.0 Measurements with the ohmmeter

Switch off machine, pull mains plug.
Undo the 6 fastening screws of control panel and carefully remove panel.
Detach connector X2 and X1.

16.1 Measuring the pumps

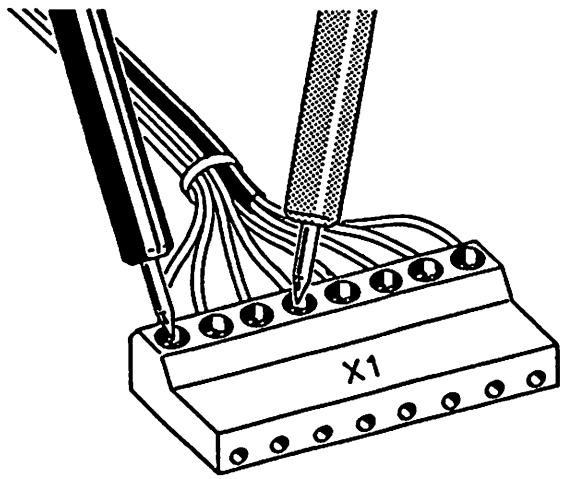
The pumps work properly if the following resistances are measured:

- BESELER 16 approx. 75 ohms
- BESELER 16 CP approx. 37.5 ohms



16.2 Measuring the heater

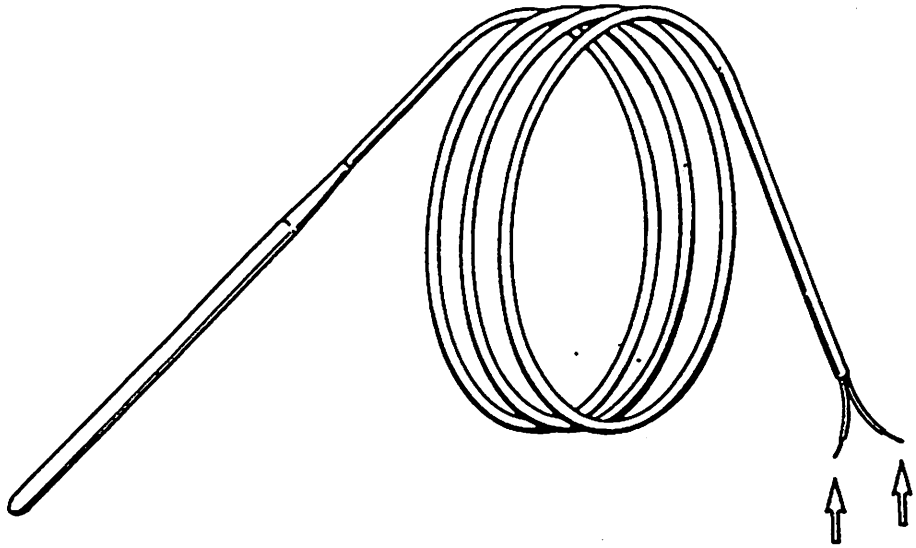
The heater is in order if the resistance between connector X1.1 and X1.4 is approx. 113 ohms.



16.3 Measuring the NTC sensor

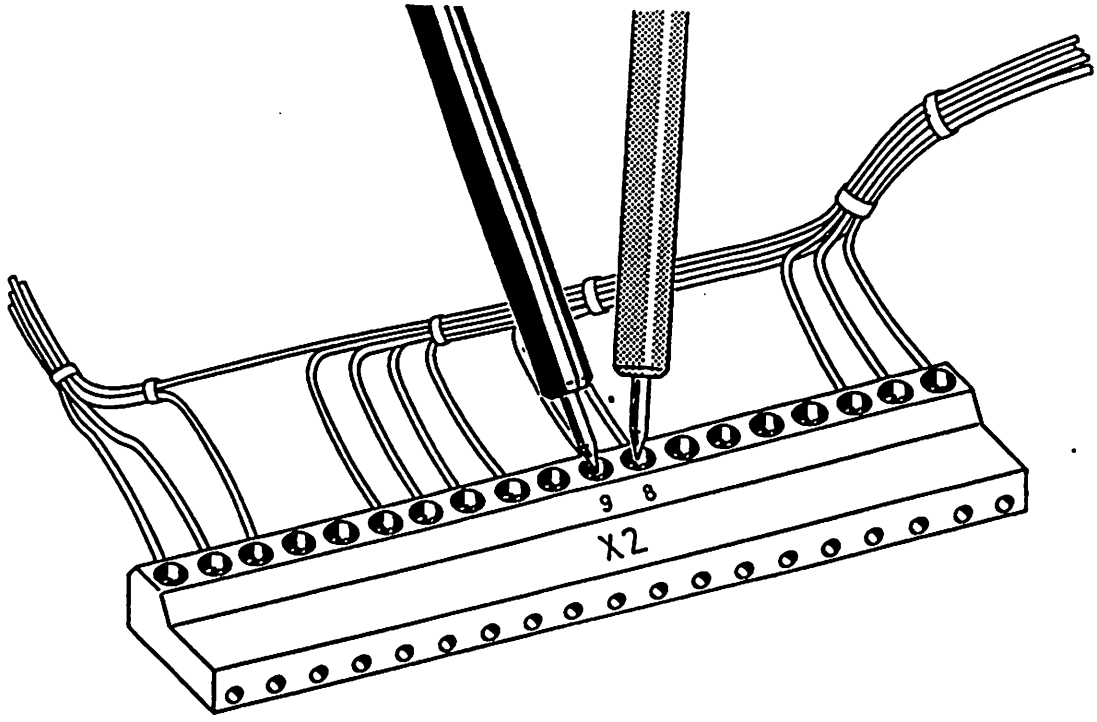
Unsolder NTC sensor.
Measure NTC sensor.

At 25°C the resistance of the NTC sensor should be approx. 5 kohms, at 20°C approx. 6.2 kohms.



16.4 Measuring the drive motor

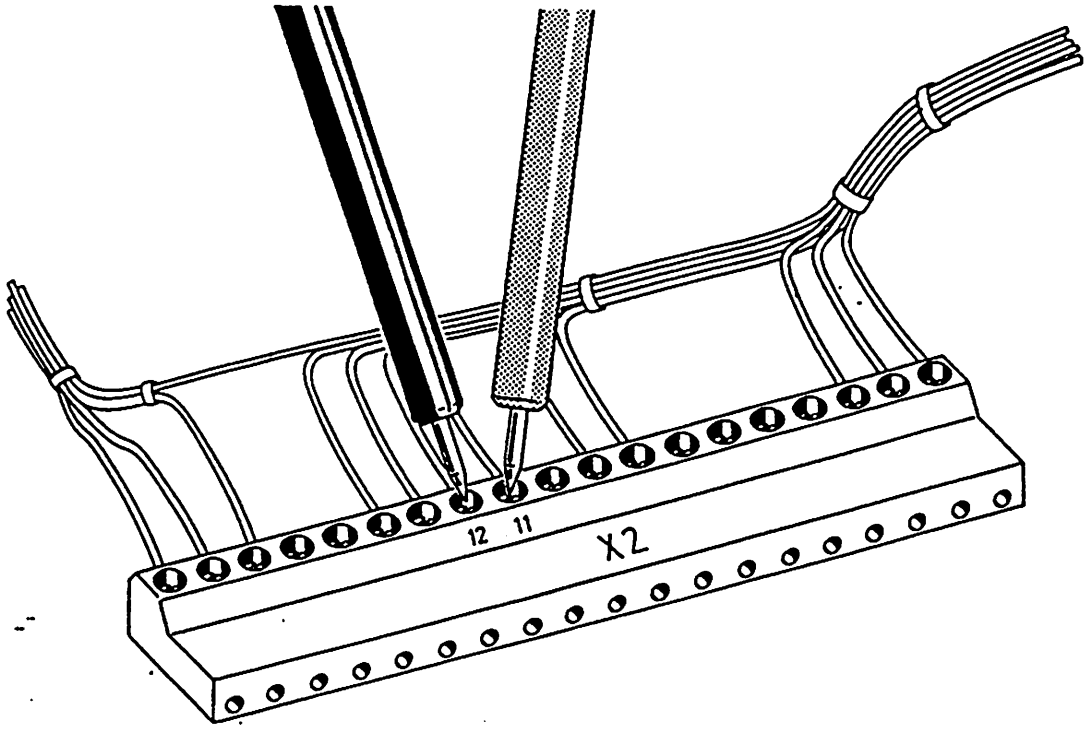
The motor functions properly if the resistance between connector X2.8 and X2.9 is approx. 43 ohms.



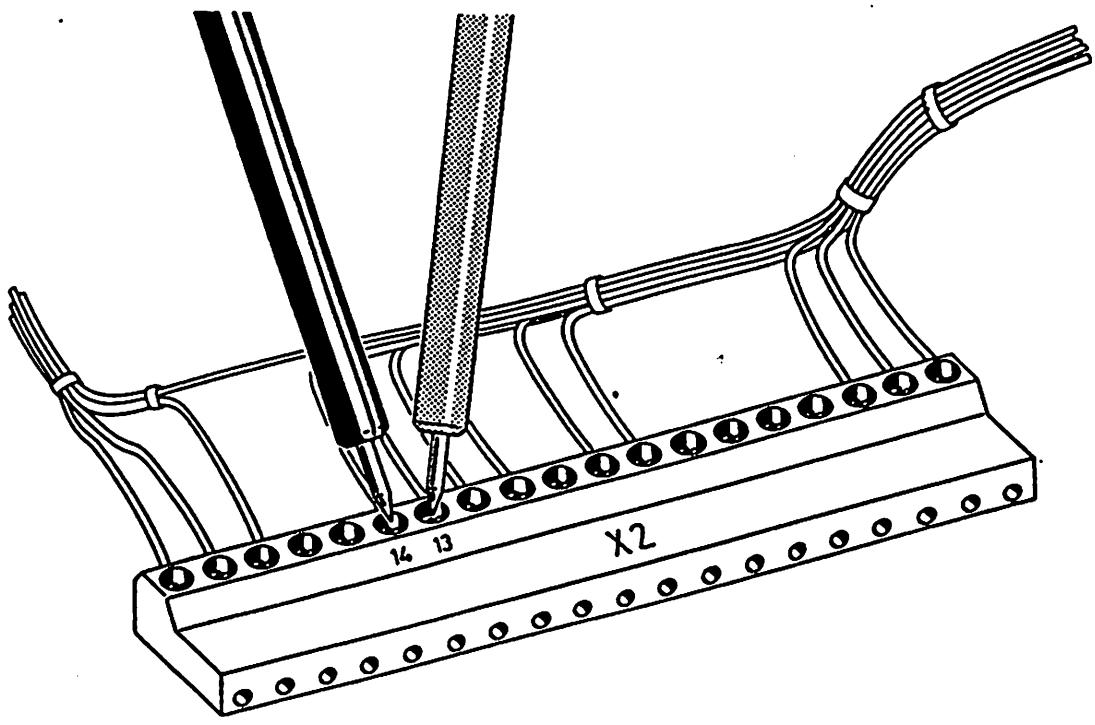
16.5 Measuring the light barrier on the drive motor

The light barrier functions properly if the following is measured:

There should be no current flow in one direction between connector X2.11 and X2.12. When the connections of the ohmmeter are reversed the resistance should be approx. 1.7 kohms.

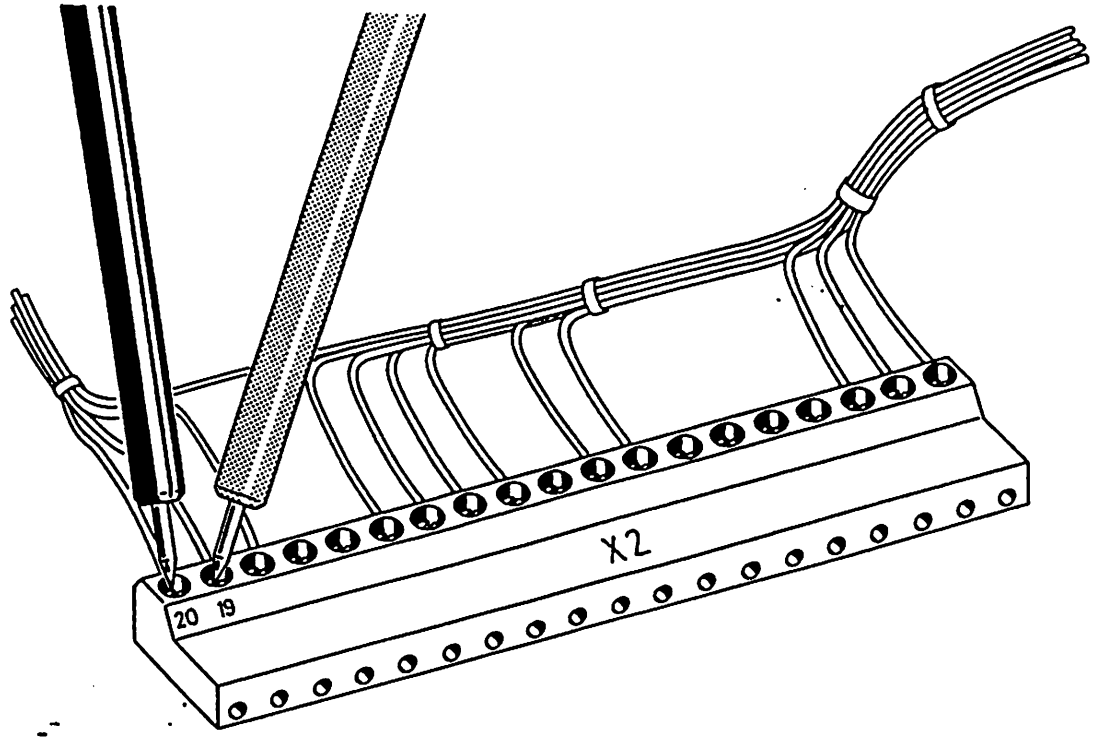


Between connector X2.13 and X2.14 the ohmmeter should show no current flow regardless of polarity.

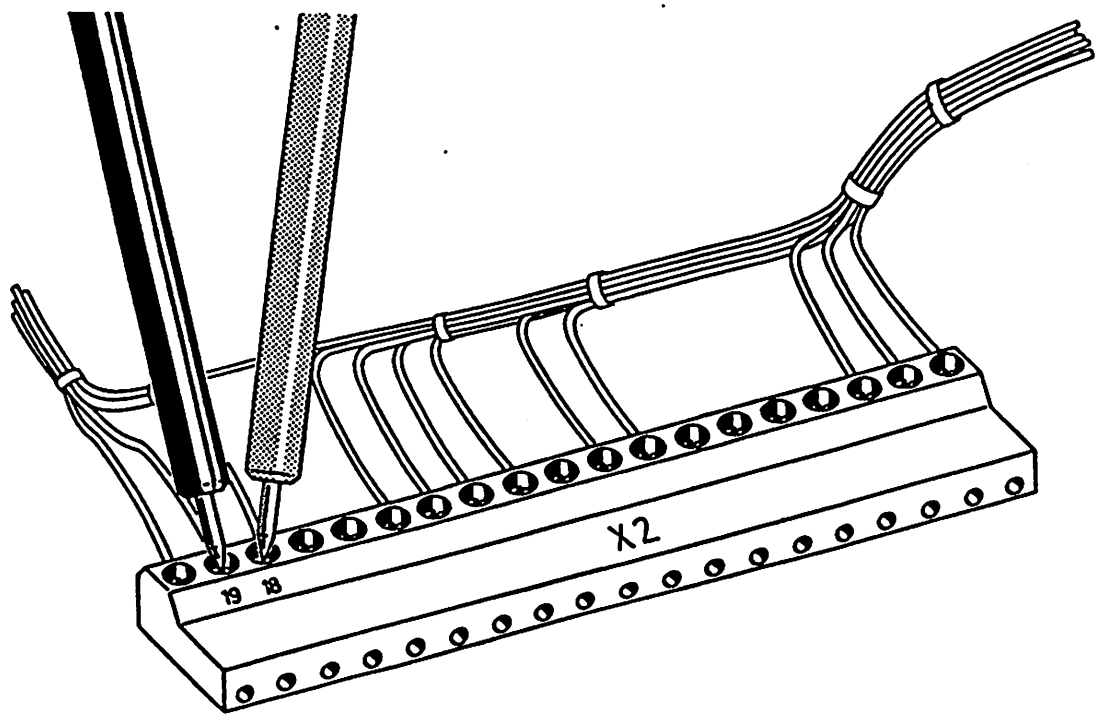


16.6 Measuring the speed control potentiometer

The potentiometer functions properly if the resistance measured between X2.20 and X2.19 is 10 kohms.

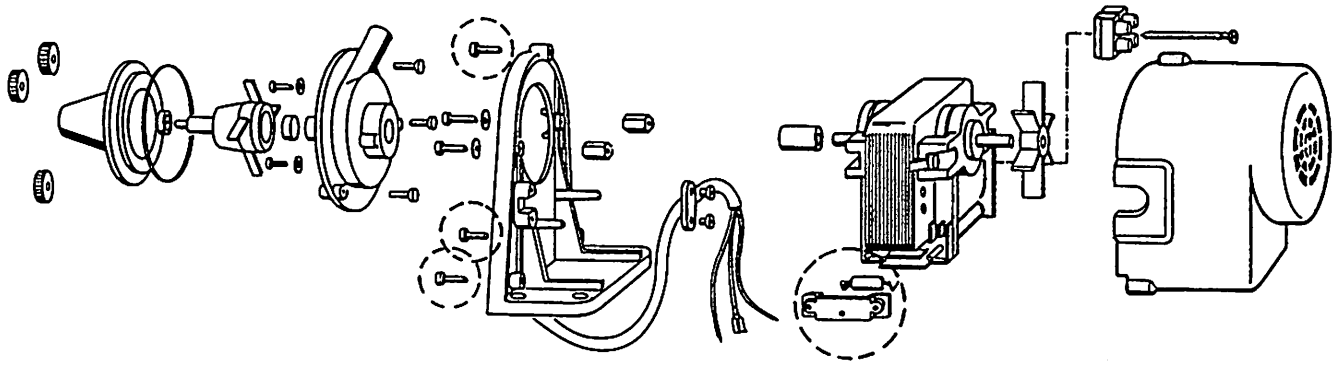


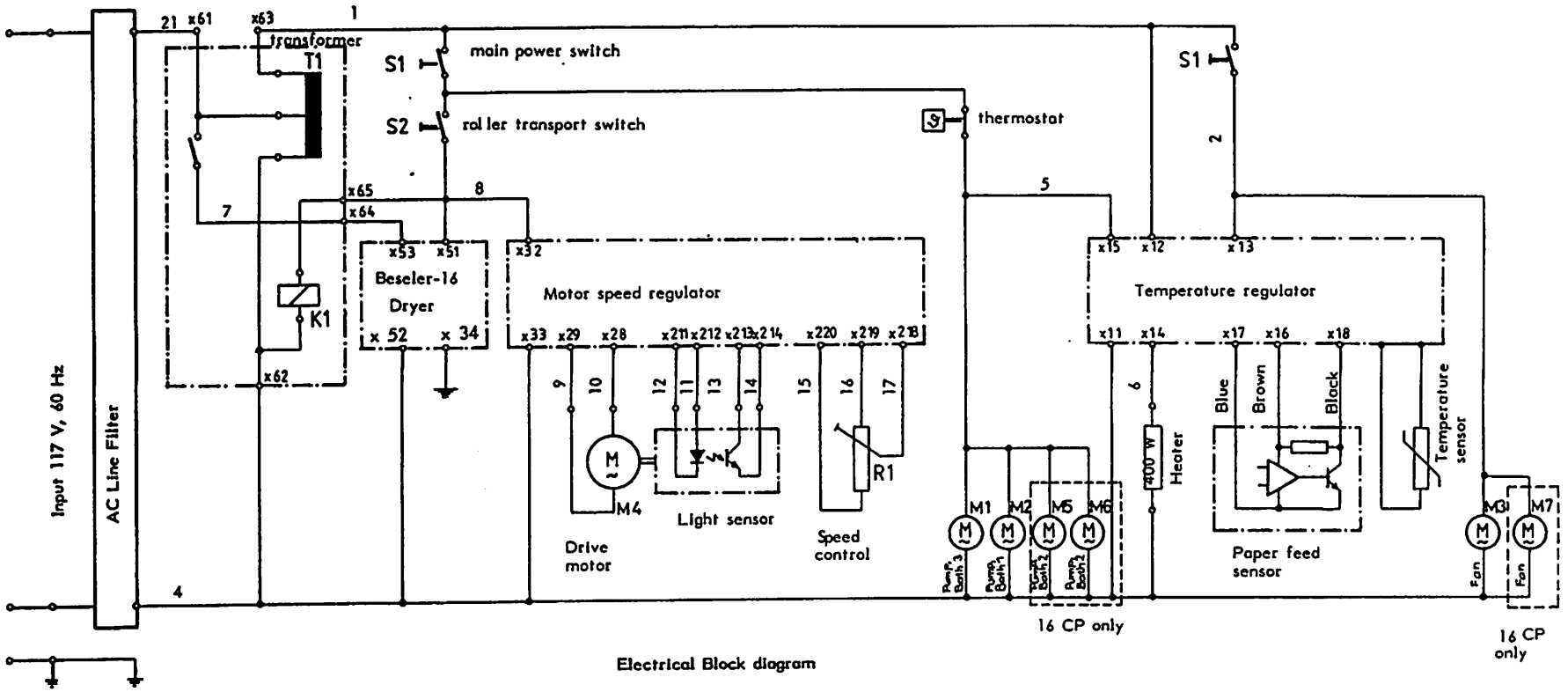
Between X2.18 and X2.19 as well as between X2.20 and X2.19 the resistance must be infinitely variable between 0 and 10 kohms.

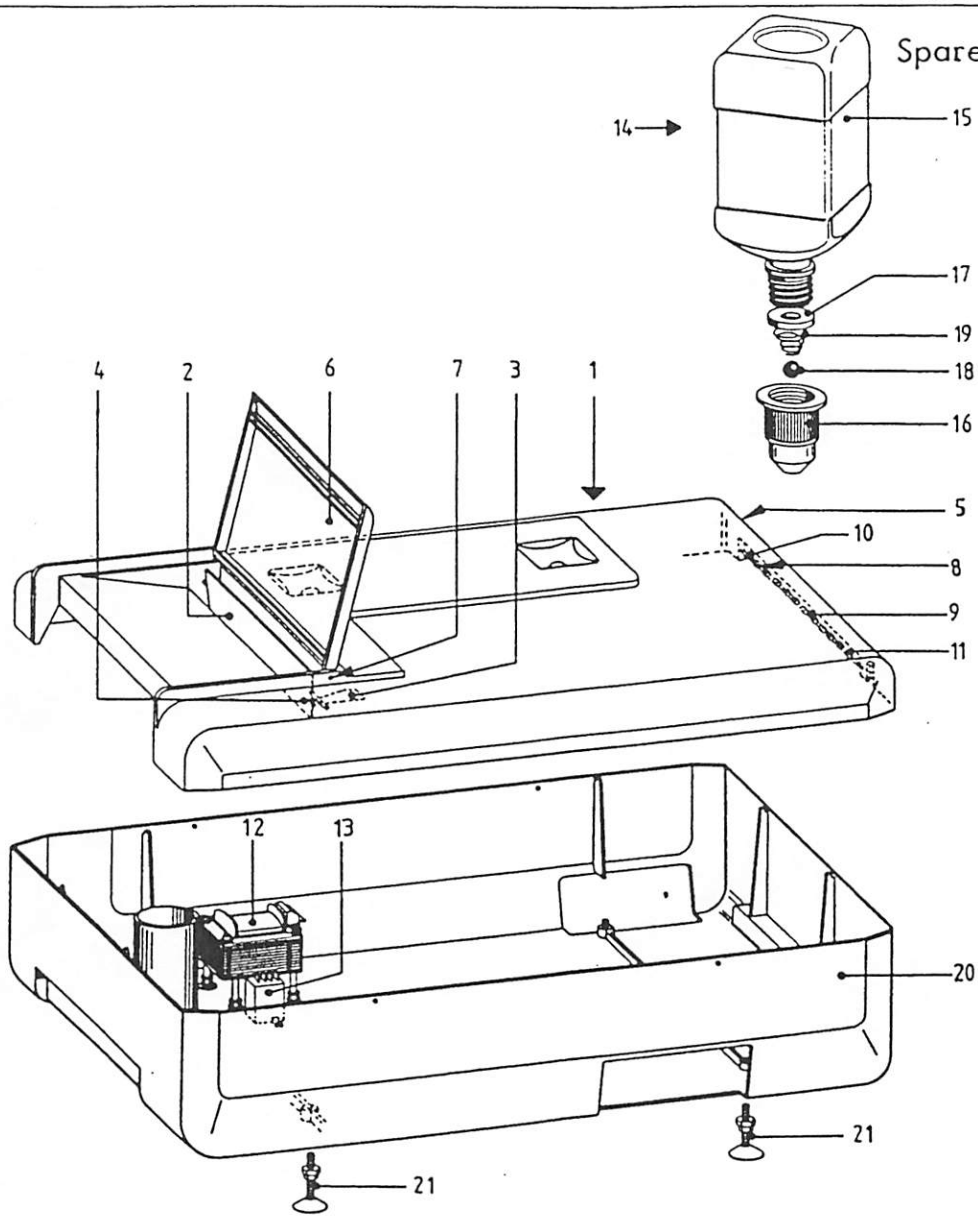


17.0 Replacing thermal fuse in pump

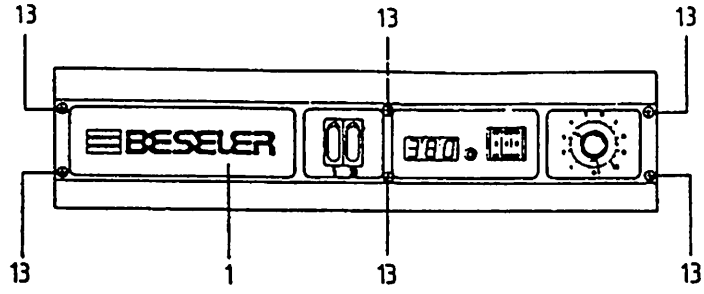
17.1 Remove 3 screws which secure pump front to the rear housing and pull apart.
17.2 Locate the thermal fuse compartment on right side of motor and remove cover.
17.3 Remove fuse and check with ohmmeter. If open, replace.

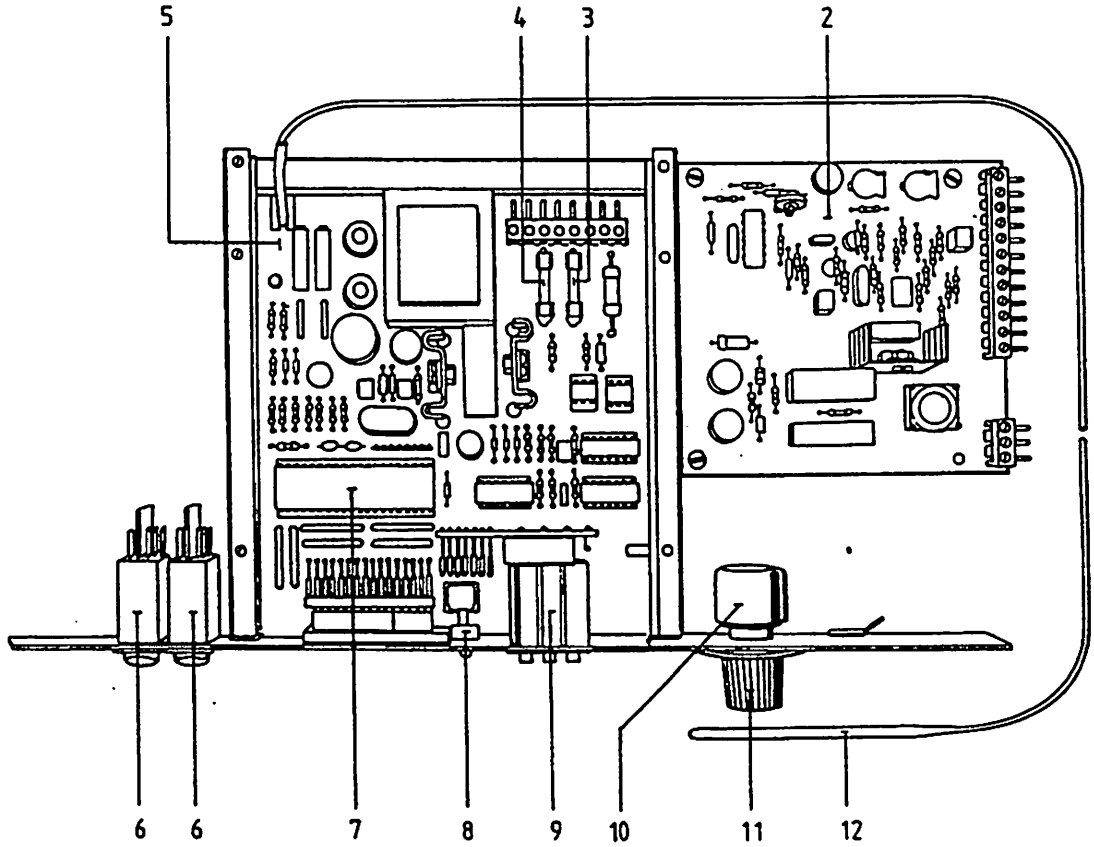



Input 117 V, 60 Hz
AC Line Filter
transformer
T1
main power switch
S1
roller transport switch
S2
thermostat
K1
Beseler-16
Dryer
Motor speed regulator
Drive motor
Light sensor
Speed control
R1
Temperature regulator
Heater
400 W
Blue
Brown
Black
Temperature sensor
Paper feed sensor
16 CP only
16 CP only
Electrical Block diagram

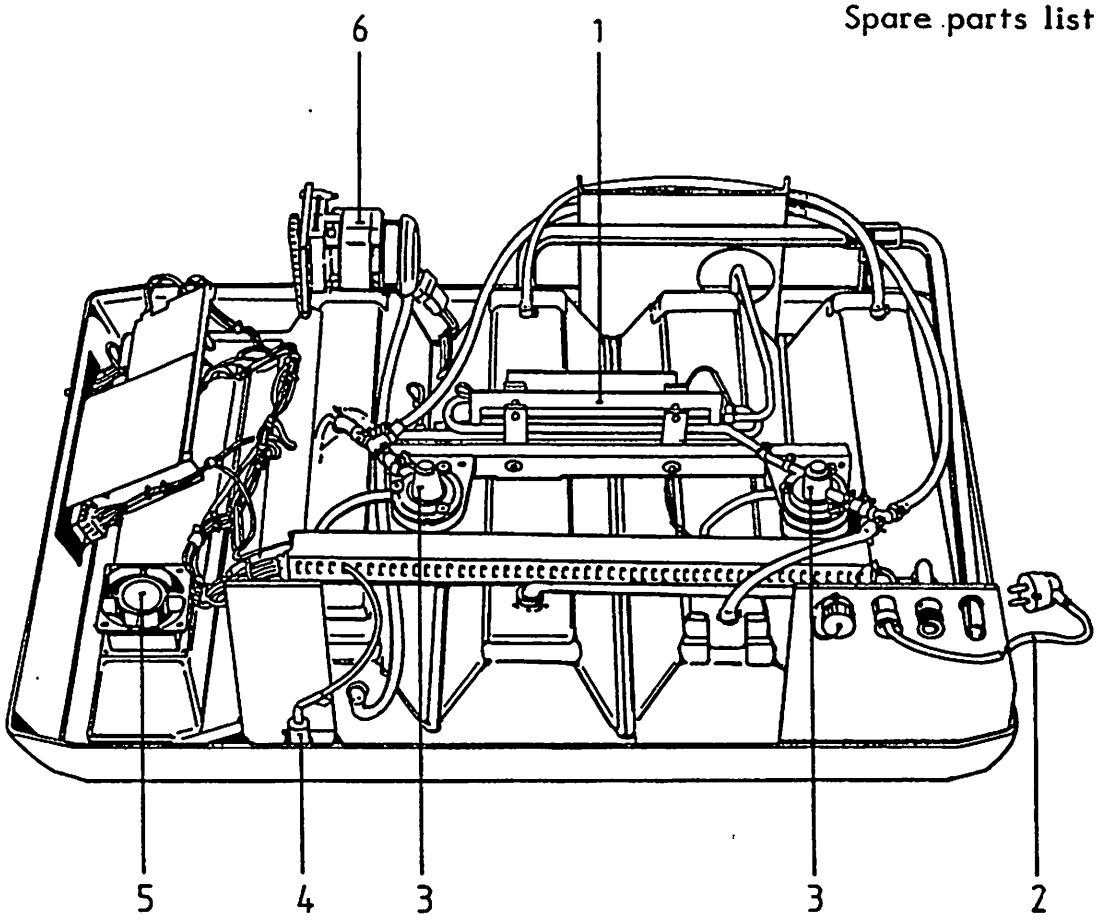


Ref.No.	Part No.	Qty.	Description
1	M-582-01-1000	1	Cover complete
	M-06-559-5824	1	Cover individual
2	M-06-558-7613	1	Paper feed flap
3	M-582-01-0006	1	Paper feed actuator
4	M-0084-36GAA	1	Screw M3x6, DIN 84, V4A
5	M-06-558-7614	1	Cover plate
6	M-06-559-5825	1	Feed cover
7	M-1472-312 A	2	Pin 3x12
8	M-582-01-0007	1	Bar
9	M-582-01-0008	13	Spacer
10	M-019-31-01-01	2	End roller
11	M-06-557-8012	12	Roller
12	M-09-210-0009	1	Transformer 117V
13	M-08-424-0002	1	Relay
14	M-582-05-0000	1	Refilling bottle compl.
15	M-07-720-0042	2	Bottle
16	M-06-558-7605	2	Valve body
17	M-582-05-0004	2	Gasket ring
18	M-004-80-30-15	2	Ball, 15Ø PPH
19	M-06-901-0067	2	Pressure spring
20	M-06-559-5826	1	Housing
21	M-011-20-00-22	4	Levelling foot

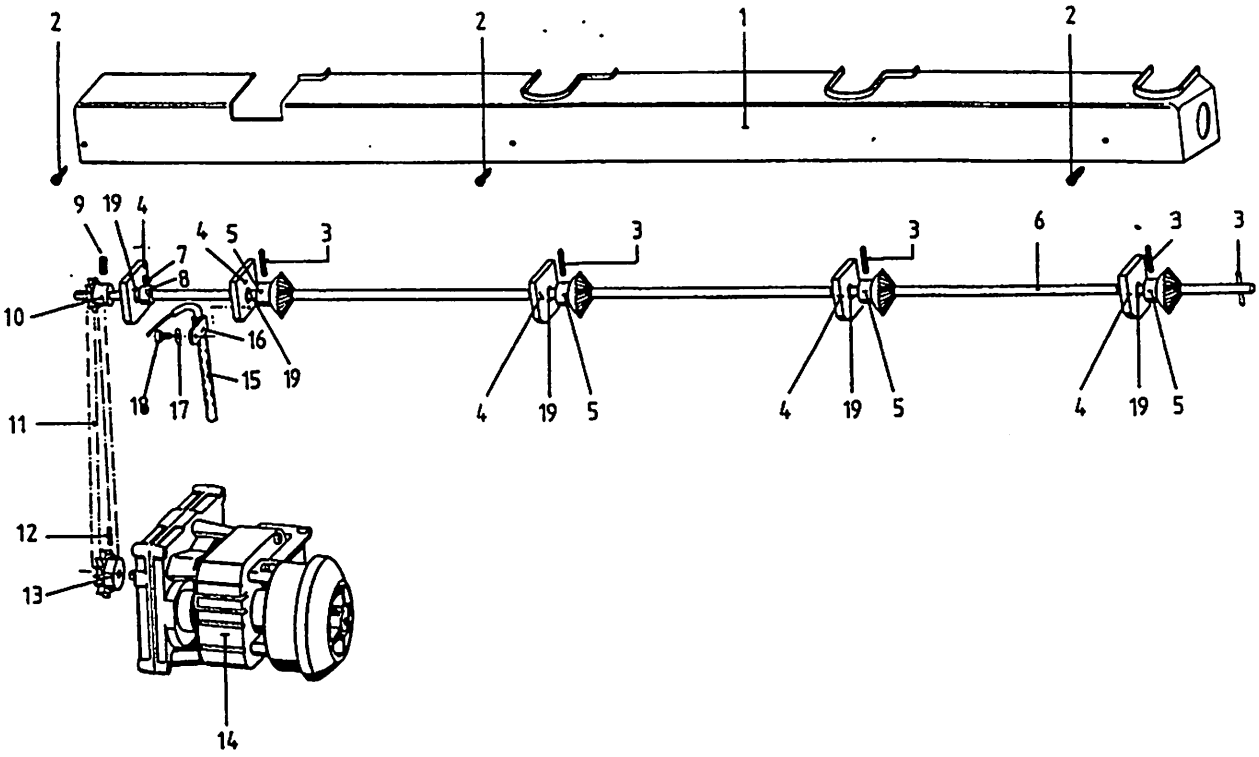




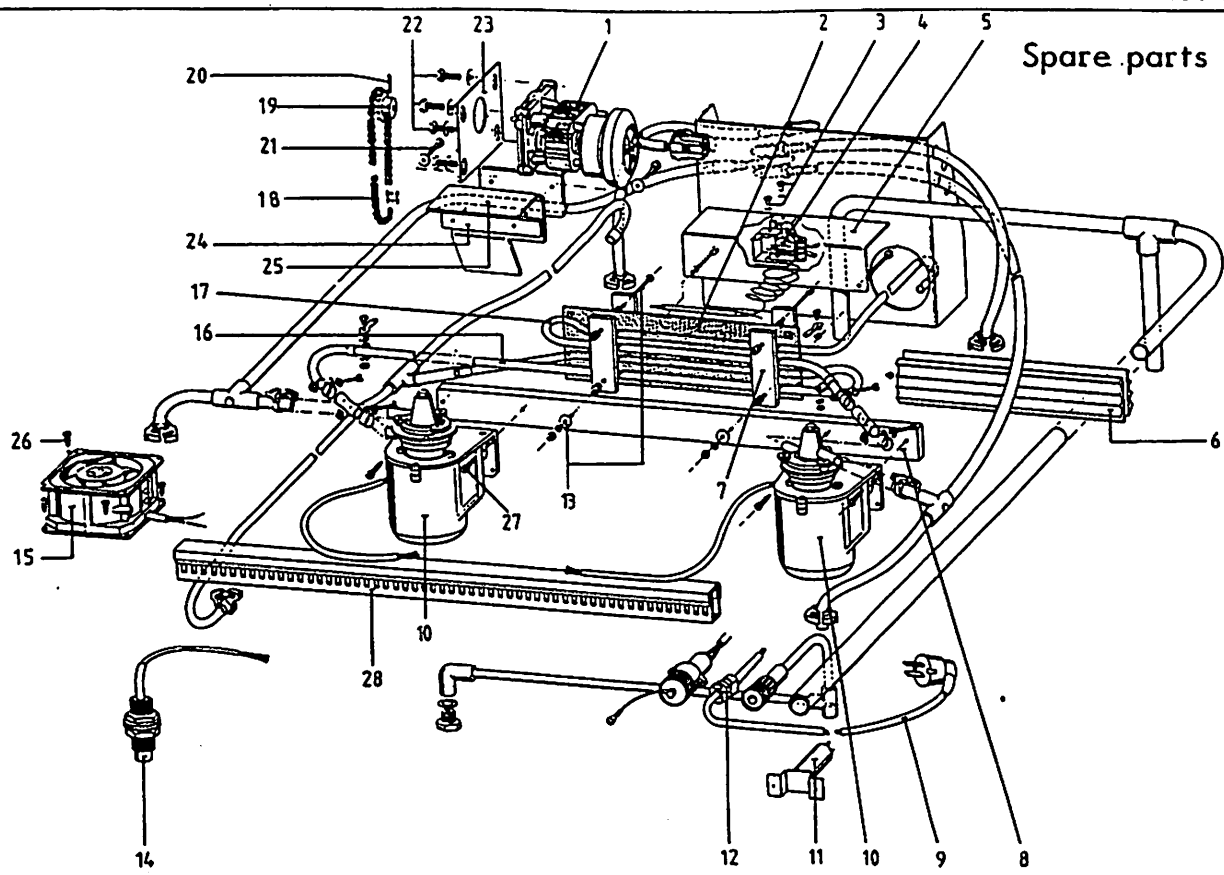
Ref.No.	Part No.	Qty.	Description
1	M-06-551-5853	1	Control panel
2	M-09-901-0020	1	Motor speed control board
3	M-029-03-12-09	1	Fuse 0.1 amp
4	M-029-03-11-01	1	Fuse 3.15 amp
5	M-582-10-2000	1	Temperature regulator (heater) up to serial no. 2747
	M-582-10-5000	1	Temperature regulator (heater) from serial no. 2748 onwards
6	M-08-170-6023	2	Rocker-type switch
7	M-08-506-0701	1	Temperature controller (eliminated)
8	M-08-500-0602	1	Light sensor
9	M-08-000-9105	1	Preselector switch (temperature) up to serial no. 2747
	M-08-000-9108	1	Preselector switch (temperature) from serial no. 2748 onwards
10	M-08-501-2315	1	Speed control potentiometer
11	M-06-511-1052	1	Speed control knob
12	M-08-502-7002	1	Temperature sensor
13	M-966-38 AB	6	Screw 3 x 8



Ref.No.	Part No.	Qty.	Description
1	M-08-641-0001	1	Heater
2	M-08-824-2002	1	Power cord
3	M-108-90-0200	2	Circulation pump 220 V 60 Hz
4	M-08-150-4004	1	Inductive proximity switch (paper feed sensor)
5	M-027-99-0100	1	Blower
6	M-09-503-0001	1	Drive motor

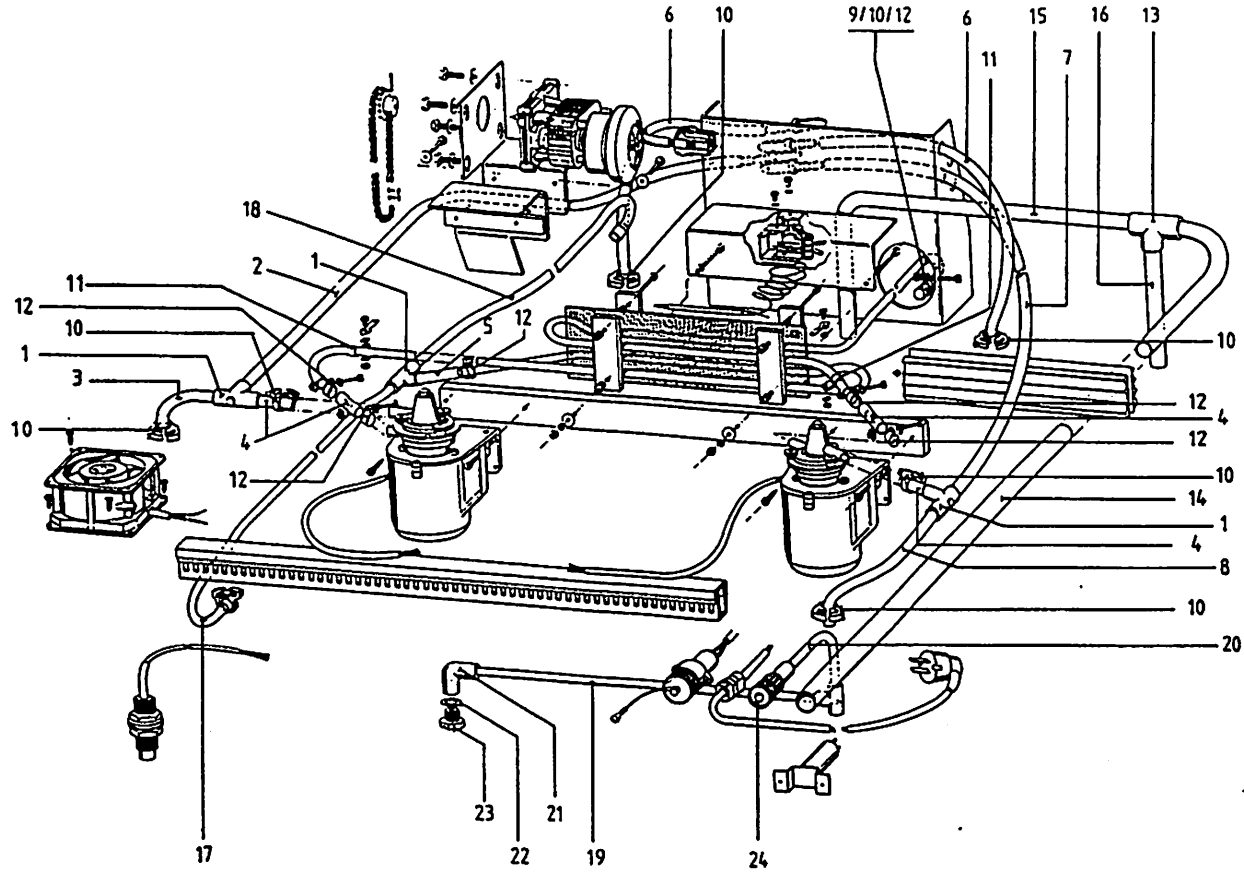


Ref.No.	Part No.	Qty.	Description
1	M-582-03-0005	1	Drive cover
2	M-7981-3595	3	Screw 3.5 x 9.5
3	M-7346-216 A	5	Roll pin
4	M-06-558-7604	4	Bearing plate
5	M-06.558-7606	4	Bevel gear
6	M-582-03-0001	1	Axle
7	M-0916-44 AA	1	Set screw M 4 x 4
8	M-0705-6 AAB	1	Set collar A 6
9	M-0916-416 A	1	Set screw M 4 x 14
10	M-06-020-0013	1	Sprocket
11	M-582-03-0015	1	Drive chain
12	M-1481-420 A	1	Roll pin 4 x 20
13	M-00-660-5190	1	Sprocket
14	M-09-503-0001	1	Drive motor
15	M-03-410-5823	1	Sensor cover
16	M-019-18-11-03	1	Fixing clamp
17	M-0125-43 GA	1	Washer 4.3
18	M-7981-3595	1	Screw 3.5 x 9.5
19	M-004-20-20-01	1	Gear bushing

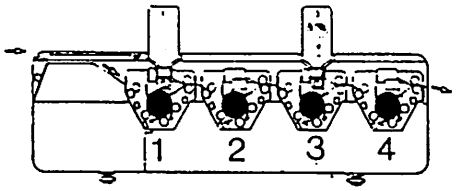


Ref.No.	Part No.	Qty.	Description
1	M-09-503-0001	1	Drive motor
2	M-08-641-0001	1	Heater
3	M-7985-35 AAB	2	Screw M 3 x 5
	M-005-37-01-03	2	Lock washer S3
4	M-08-704-2026	1	Thermostat (overheat protection)
5	M-582-04-0006	1	Angle plate
6	M-582-04-0002	2	Intermediate ledge
7	M-582-04-0004	4	Fixing strap
8	M-582-04-0005	1	Supporting ledge
9	M-08-824-2002	1	Power cord
10	M-108-90-0200	2	Circulation pump
11	M-09-308-2020	1	Line filter
12	M-019-18-51-01	1	Strain relief
13	M-0933-450 A	4	Screw M 4 x 50
	M-0934-4-AFB	8	Nut M4
	M-005-37-01-04	8	Washer
14	M-08-150-4004	1	Inductive proximity switch (paper feed sensor)
15	M-027-99-0100	1	Fan
16	M-582-04-0001	1	Heating pipe
17	M-582-04-0003	1	Heating pipe
18	M-582-03-0015	1	Drive chain
19	M-00-660-5190	1	Sprocket
20	M-0916-416 A	1	Set screw M 4 x 16
21	M-0933-516 A	2	Screw M 5 x 16
	M-005-37-01-05	2	Washer S 5
22	M-7513-616 AAB	4	Screw M 6 x 16
	M-0125-64 NA 7	4	Washer 6.4 mm
23	M-582-03-0016	1	Motor bracket
24	M-582-03-0018	1	Clamping strip
25	M-582-03-1005	1	Mounting bracket
26	M-7981-3595	1	Screw B 3.5 x 9.5
27	M-7981-3516	4	Screw B 3.5 x 16
	M-005-37-0104	4	Washer S 4
28	M-08-974-0404	1	Cable channel 0.5 m long

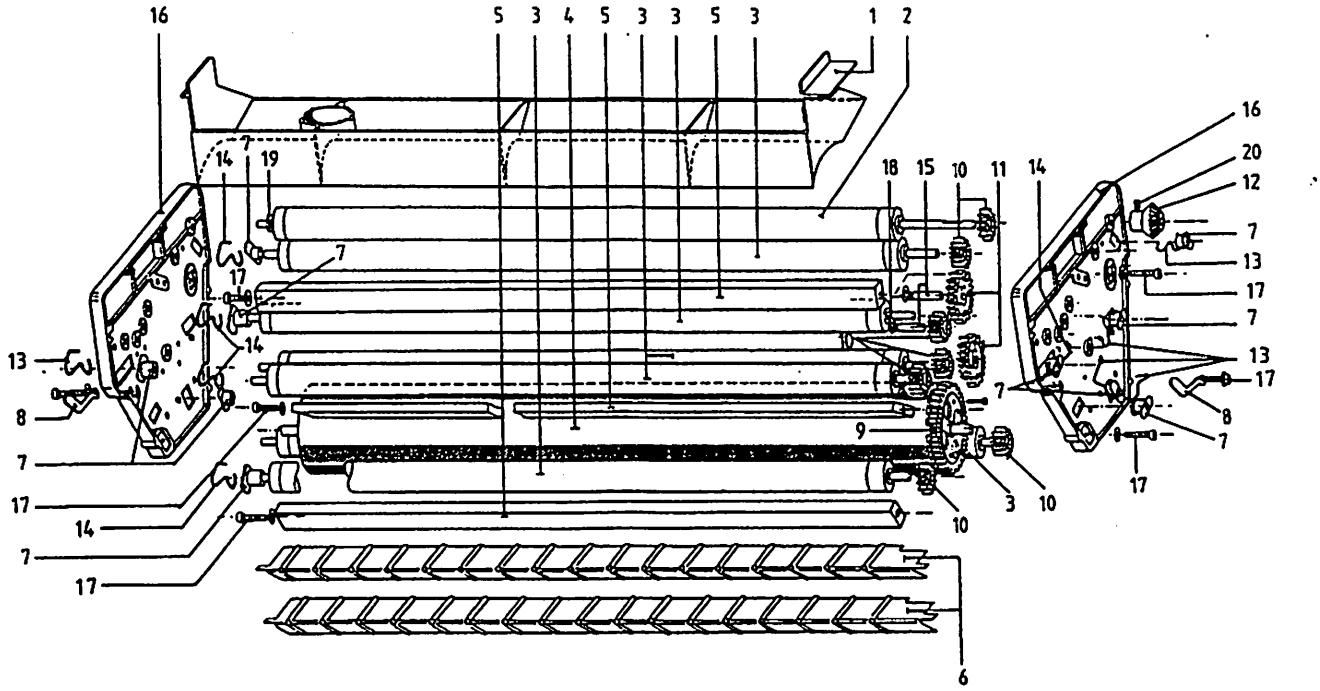
Spare parts list 6



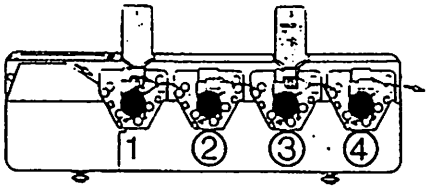
Ref.No.	Part No.	Qty.	Description
1	M-06-561-1006	3	T-connector
2	M-582-03-0012	1	Hose 425 mm
3	M-582-03-0014	1	Hose 40 mm
4	M-582-03-0008	4	Hose 55 mm
5	M-582-03-0007	1	Hose 70 mm
6	M-582-03-0011	1	Hose 225 mm
7	M-582-03-0013	1	Hose 550 mm
8	M-582-03-0010	1	Hose 180 mm
9	M-582-03-0009	1	Hose 30 mm
10	M-015-40-00-01	1	Hose clamp
11	M-06-621-0050	1	Grounding clamp
	M-019-06-5005	2	Connection plug
	M-10-7985-410 A	2	Screw M 4 x 10
	M-10-0934-4 AFB	2	Nut M4
	M-005-37-01-04	2	Lock washer
12	M-06-620-5012	6	Hose clamp
13	M-06-561-1015	1	T-connector
14	M-582-03-1014	1	Discharge pipe
15	M-582-03-1015	1	Discharge pipe
16	M-582-03-1013	1	Discharge pipe
17	M-582-03-1016	1	Pressure pipe
18	M-582-03-1017	1	Pressure pipe
19	M-582-03-1019	1	Pipe
20	M-582-03-1020	1	Pipe elbow
21	M-06-561-5506	1	Angle
22	M-01-410-1110	2	O-ring 12 x 4, neoprene
23	M-582-03-0004	2	Lock Screw
24	M-06-561-5805	1	Hose coupling



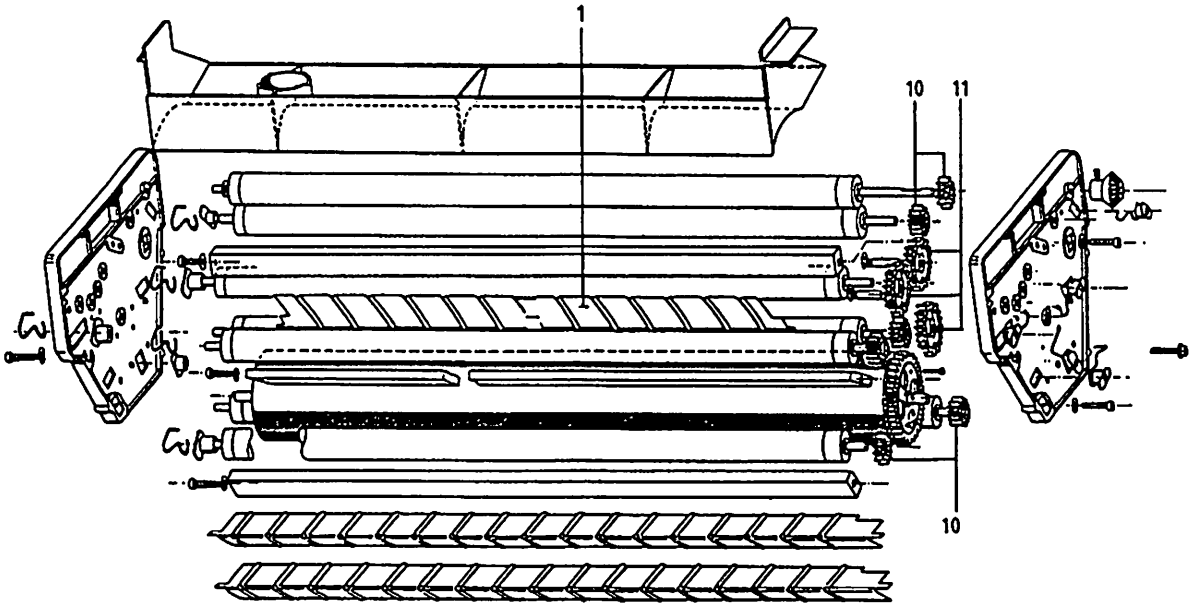
Transport rack 1



Ref.No.	Part No.	Qty.	Description
	M-582-02-1000	1	Transport rack 1
1	M-06-558-7601	1	Deflector guide
2	M-06-559-5821	1	Drive roller
3	M-06-559-5822	6	Transport roller
4	M-06-559-5823	1	Guide roller
5	M-582-02-0003	3	Crossbar
6	M-582-02-0004	2	Lower deflector guide
7	M-06-558-7610	10	Roller bearing
8	M-582-02-0008	2	Bearing stop
9	M-06-558-7609	1	Roller gear, main
10	M-06-558-7608	8	Roller gear, small
11	M-06-558-7607	2	Roller gear, large
12	M-06-558-7606	1	Bevel gear
13	M-06-903-0028	5	Leg spring, right
14	M-06-903-0029	5	Leg spring, left
15	M-582-02-1101	3	Roller axle
16	M-06-558-7602	2	Transport side
17	M-7981-3516	6	Screw 3.5 x 16
	M-0125-43 GA	6	Washer
18	M-6799-4 GAA	3	E-ring
19	M-0125-64 NA 7	1	Plastic washer 6.4
20	M-04-68-46 GAA	1	Set screw M 4 x 6
21	M-7981-2913	2	Screw 2.9 x 13

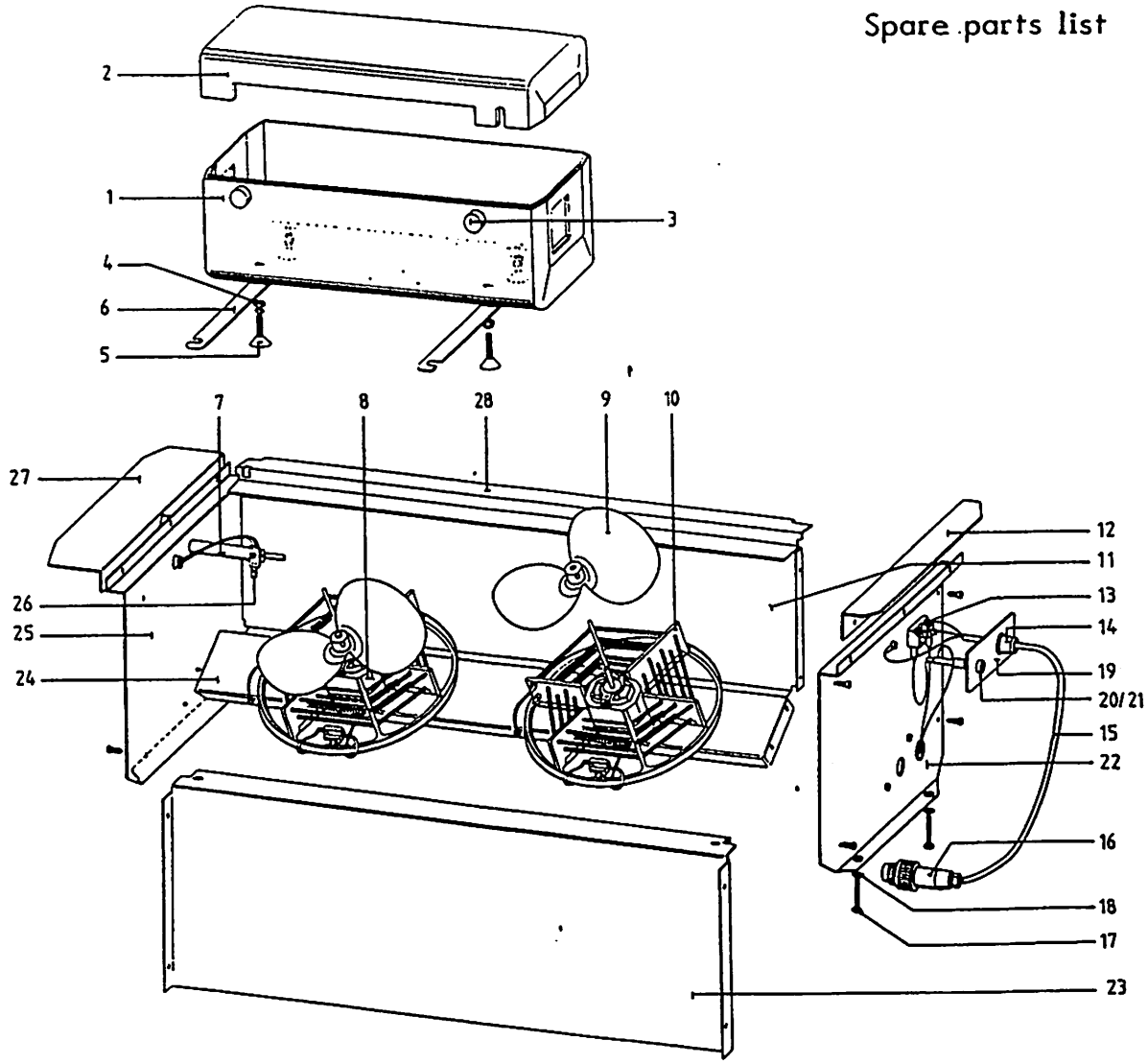


Transport rack 2+3+4 Spare parts list 8

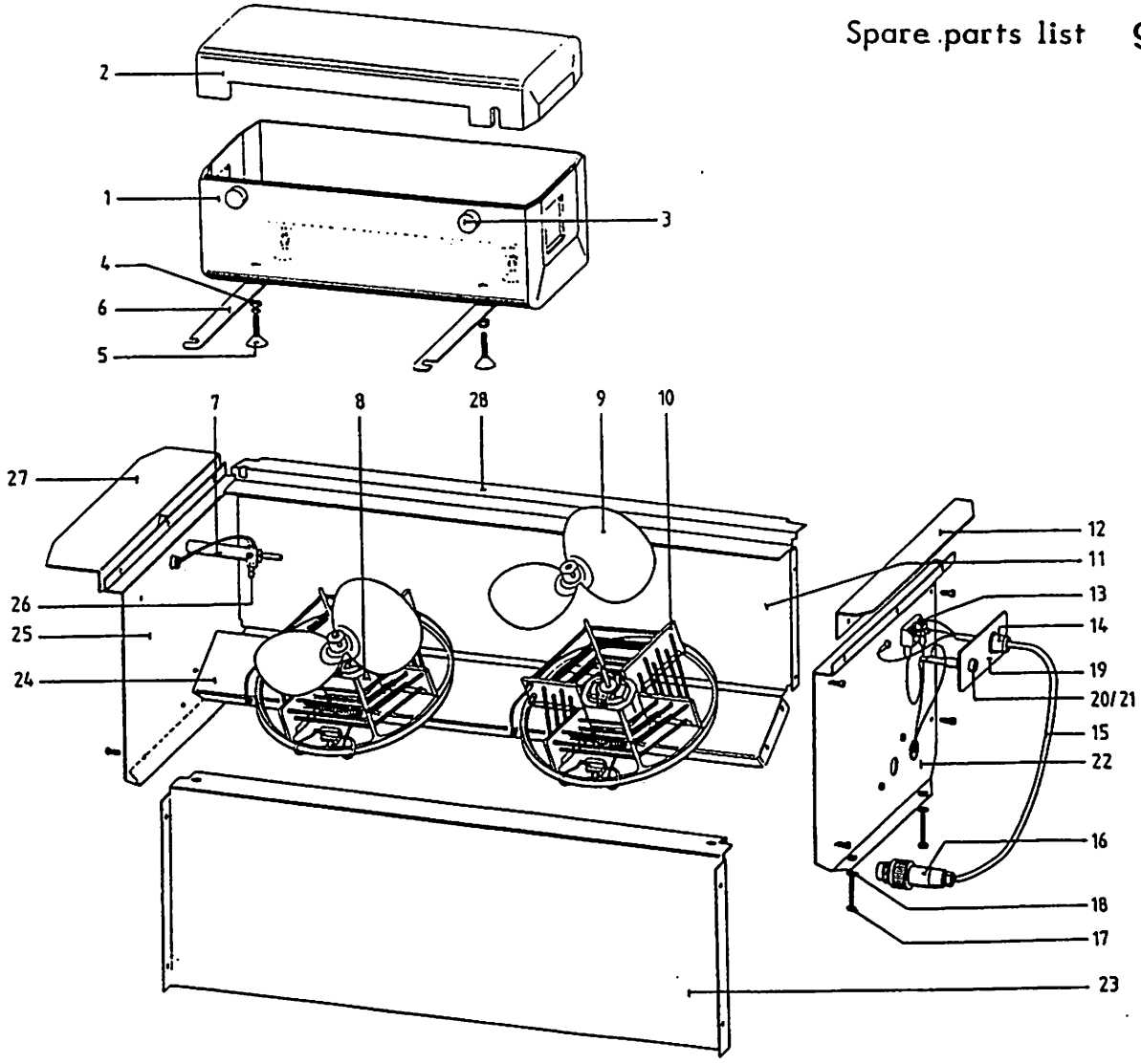


Ref.No.	Part No.	Qty.	Description
	M-582-02-2000		Transport rack 2 + 3 + 4
1	M-582-02-0005	1	Guide
10	M-06-558-7608	7	Roller gear, small
11	M-06-558-7607	3	Roller gear, large

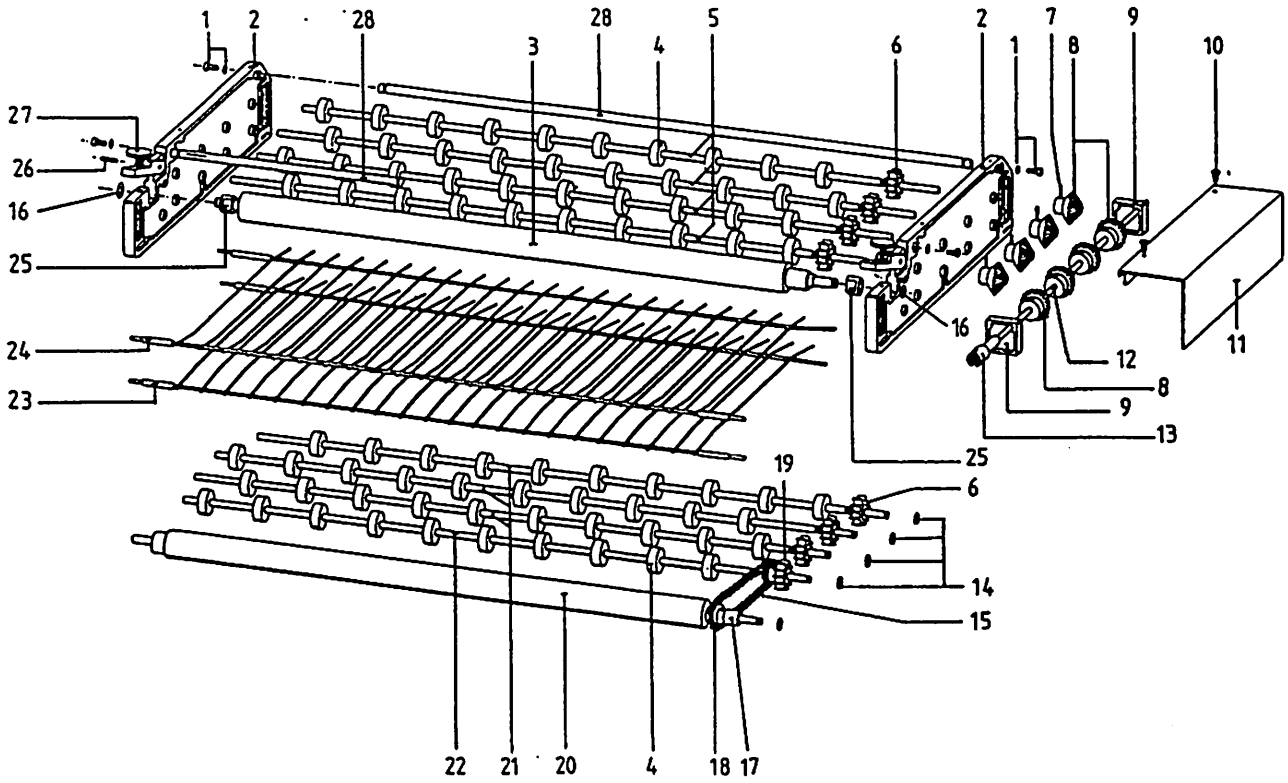
All other parts as mentioned in drawing #7.
Item 8 of transport rack 1 is not included.



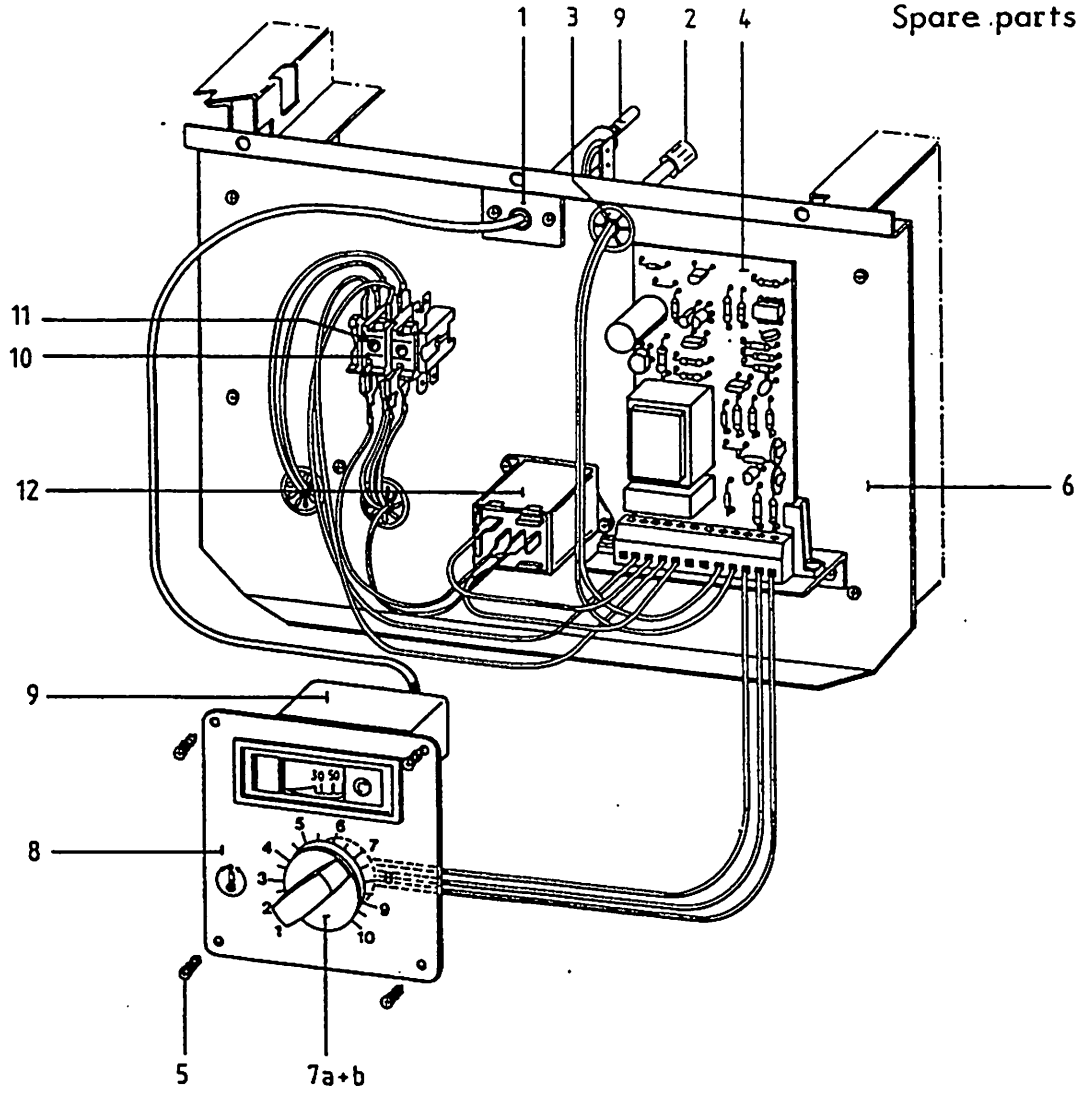
Ref.No.	Part No.	Qty.	Description
1	M-07-861-0025	1	Housing up to serial no.1945
	M-07-861-0069	1	Housing from serial no.1946 onwards
2	M-07-861-0026	1	Top cover up to serial no. 1945
	M-07-861-0070	1	Top cover from serial no. 1946 onwards
3	M-07-861-0027	2	Rubber bumper
4	M-07-861-0028	4	Nut M 10 DIN 936
5	M-07-861-0029	4	Levelling foot up to serial no. 1945
	M-07-861-0071	4	Levelling foot from serial no. 1946 onwards
6	M-07-861-0030	2	Connecting bar
7	M-07-860-0014	1	Temperature indicator
8	M-07-860-0027	2	Fan motor up to serial no. 1910
	M-07-860-0048	2	Fan motor from serial no. 1911 onwards
9	M-07-860-0028	2	Fan blade up to serial no. 1910
	M-07-861-0016	2	Fan blade from serial no. 1911 onwards
10	M-07-860-0049	2	Heater, 400 W
11	M-07-861-0072	1	Back wall



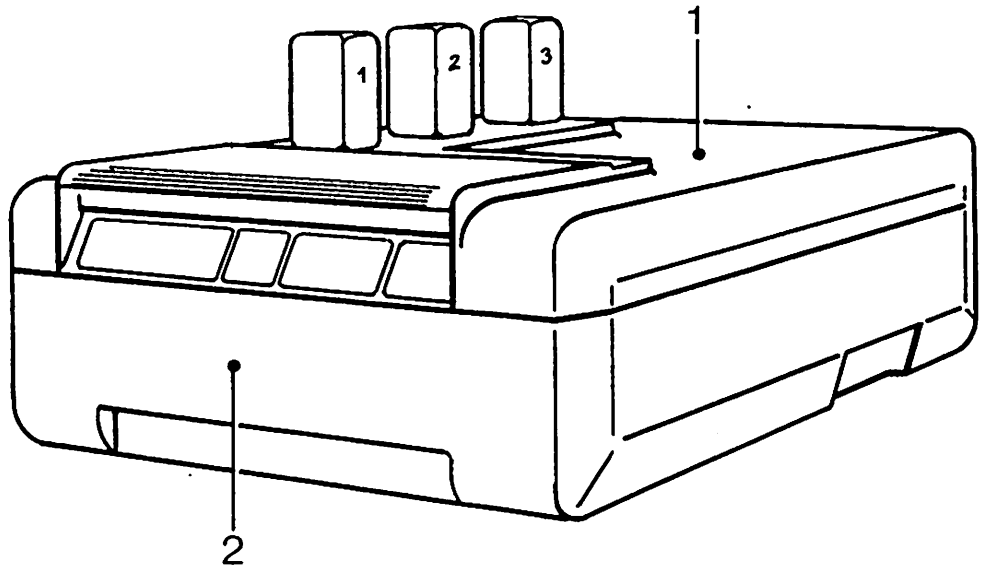
Ref.No.	Part No.	Qty.	Description
12	M-07-861-0021	1	Cover plate, left
13	M-07-861-0031	1	Terminal block
14	M-07-861-0032	1	Strain relief
15	M-07-861-0033	1	Cable
16	M-07-861-0034	1	Plug
17	M-07-861-0035	4	Screw M 4 x 16 DIN 7986
18	M-07-861-0036	4	Washer 5.3 DIN 125
19	M-07-861-0037	1	Plate
20	M-07-861-0038	1	Fuse holder
21	M-07-861-0014	1	Fuse 5 amp, 5 x 20 mm
22	M-07-861-0039	1	Side wall, left
23	M-07-861-0040	1	Front wall
24	M-07-861-0041	1	Fan motor support
25	M-07-861-0018	1	Side wall, right
26	M-07-860-0020	1	Temperature sensor NTC up to serial no.1220
	M-07-860-0042	1	Temperature sensor NTC from serial no.1221 up to no. 1425
	M-07-860-0046	1	Temperature sensor NTC from serial no.1426 on
27	M-07-861-0042	1	Cover plate, right
28	M-07-861-0043	1	Guide plate

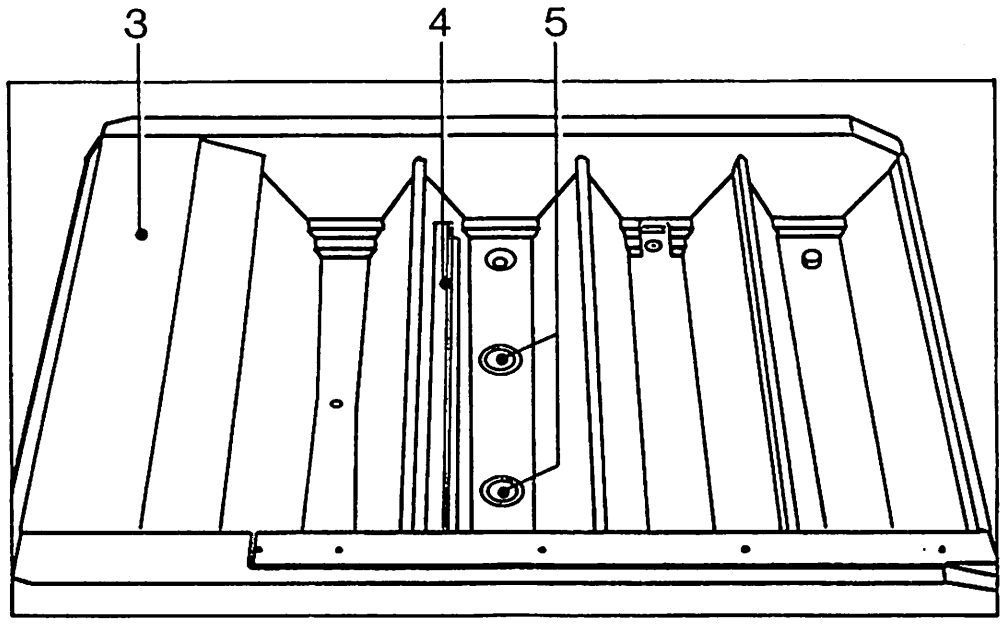


Ref.No.	Part No.	Qty.	Description
1	M-07-861-0044	4	Screw M 4 x 8, DIN 7986
2	M-07-861-0045	2	transport side panel
3	M-07-861-0010	1	Roller, upper
4	M-07-861-0012	80	Transport roller
5	M-07-861-0047	1	Axle
6	M-07-861-0048	8	Gear
7	M-07-861-0049	8	Sleeve 2 x 16 DIN 1491
8	M-07-861-0050	8	Bevel gear
9	M-07-861-0051	2	Bearing plate
10	M-07-861-0017	2	Screw 3.5 x 9.5, DIN 7981
11	M-07-861-0052	1	Cover plate
12	M-07-861-0053	1	Drive axle
13	M-07-861-0054	1	Coupling
14	M-07-861-0055	4	E-ring DIN 6799
15	M-07-861-0056	1	Drive chain
16	M-07-861-0057	2	Circlip, DIN 6799
17	M-07-861-0058	1	Spacer
18	M-07-861-0059	1	Sprocket
19	M-07-861-0060	1	Sprocket
20	M-07-861-0011	1	Roller, bottom
21	M-07-861-0061	3	Axle
22	M-07-861-0062	1	Axle
23	M-07-861-0063	1	Guide grid
24	M-07-861-0064	1	Guide grid
25	M-07-861-0065	2	Bearing
26	M-07-861-0066	1	Pin
27	M-07-861-0067	2	Screw M 5 x 12, DIN 653
28	M-07-861-0068	2	Spacer rod



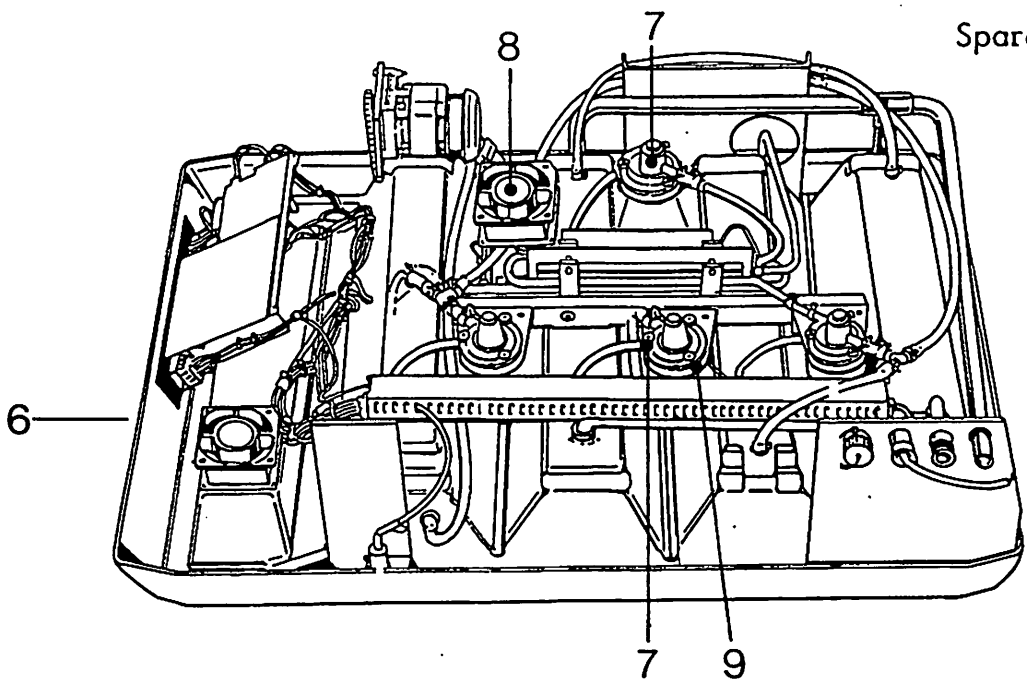
Ref.No.	Part No.	Qty.	Description
1	M-07-861-0074	1	Holding plate
2	M-07-860-0020	1	Temperature sensor NTC up to serial no. 1220
	M-07-860-0042	1	Temperature sensor NTC from serial no. 1221 to 1425
	M-07-860-0046	1	Temperature sensor NTC from serial no. 1426 onwards
3	M-07-861-0073	1	Clamp ring for sensor
4	M-07-860-0050	1	Temperature control board up to serial no. 1220
	M-07-860-0051	1	Temperature control board from serial no. 1221 to 1425
	M-07-860-0045	1	Temperature control board from serial no. 1426 onwards
5	M-07-861-0017	7	Screw 3.5 x 9.5 DIN 7981
6	M-07-861-0018	1	Side wall, right
7a	M-07-860-0011	1	Temperature control knob
7b	M-07-860-0013	1	Temperature control up to serial no.1425
	M-07-860-0012	1	Temperature control from serial no.1426 onwards
8	M-07-861-0020	1	Operating screen
9	M-07-860-0014	1	Temperature indicator
10	M-07-861-0022	1	Terminal block
11	M-07-861-0023	2	Screw M3 x 18 DIN 84
	M-07-861-0024	2	Nut M3 DIN 934
12	M-07-860-0017	1	Relay (from serial no. 1221 to 1425 incorporated in p.c. board)

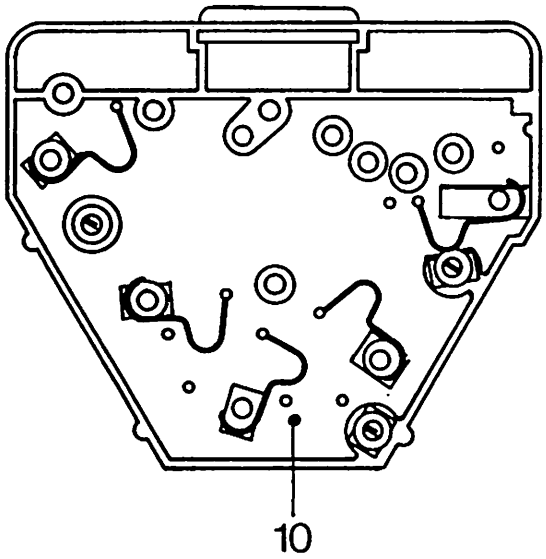


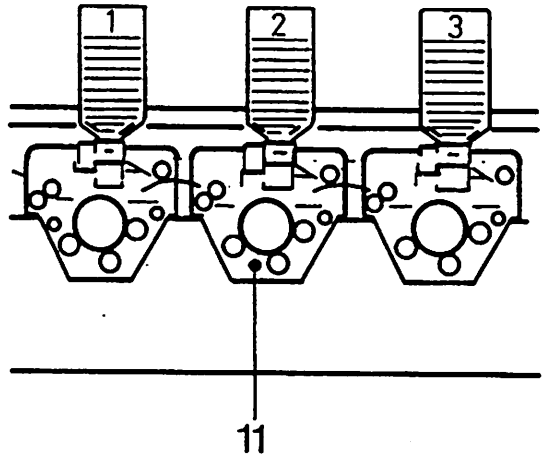


Ref.No.	Part No.	Qty.	Description
1	M-584-01-1000	1	Cover, complete
2	M-584-01-0001	1	Housing *
3	M-584-03-1000	1	Developing tank, complete
4	M-584-03-2000	1	Distributor complete
5	M-584-03-0001	2	Strainer

* Please indicate serial no., as housing has an additional hole from serial no. 1581 on.







Ref.No.	Part No.	Qty.	Description
6	M-06-551-5855	1	Front panel
7	M-06-773-0022	2	Pump for distributor up to serial no. 1580
	M-06-773-0029	2	Pump for distributor from serial no. 1581 on
8	M-09-532-1006	1	Blower up to serial no. 1580
	M-09-532-1007	1	Blower from serial no.1581 on
9	M-06-621-0019	2	Hose clamp V2A dia. 50
10	M-06-558-7701	2	Side panel, transport rack
11	M-584-02-2000	1	Transport rack 2, complete