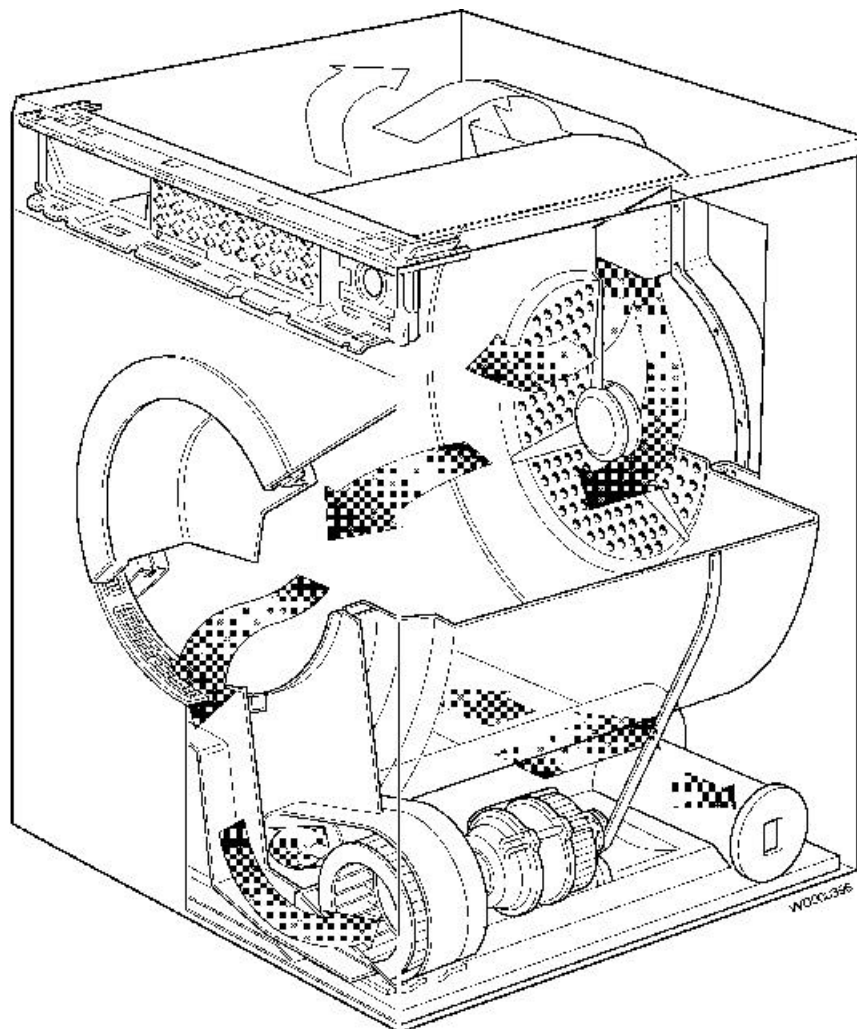




TUMBLE-DRYERS
SERIE P51 NEW

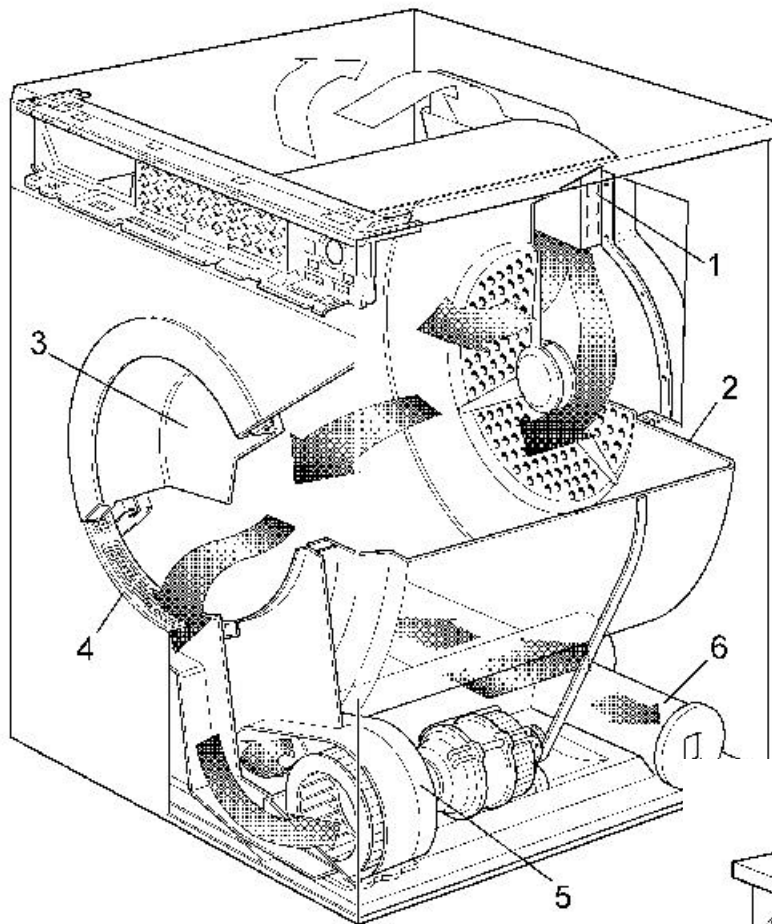
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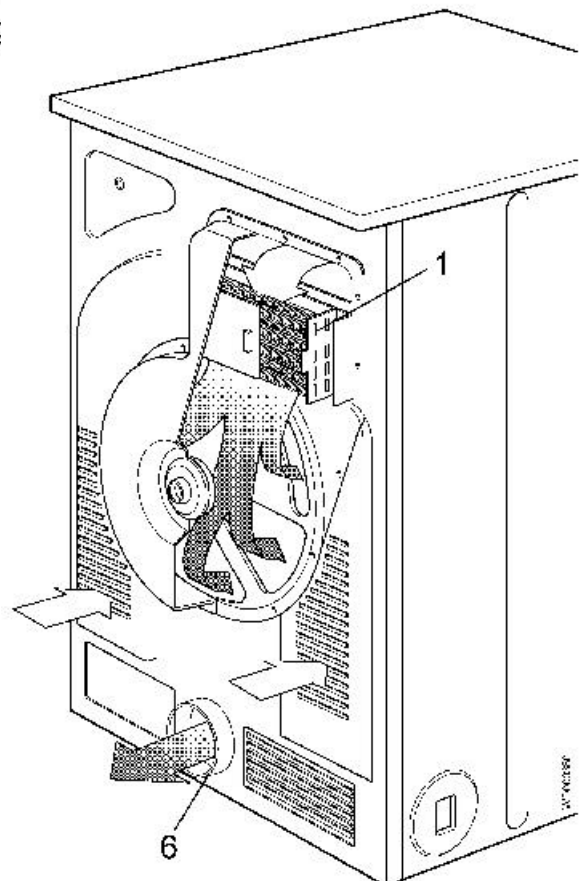
INDEX

Operating principle	page.	4
Constructional features	page.	5
Cabinet	page.	5
Drum	page.	5
Main electronic parts	page.	7
Heating unit	page.	7
Thermostats	page.	7
Timer	page.	8
Fan motor unit	page.	8
Accessibility & serviceability	page.	9
Worktop	page.	9
Timer	page.	9
Indicator light	page.	9
Door microswitch	page.	9
Control panel	page.	9
Controls support	page.	9
Cabinet side	page.	10
Motor	page.	10
Capacitor	page.	10
Thermostat	page.	10
Back panel cover	page.	11
Heating element	page.	11
Rear drum support	page.	11
Back panel	page.	12
Drum	page.	12
Sealing felt ring	page.	12
Door	page.	13
Filter	page.	13
Door reversal	page.	13

OPERATING PRINCIPLE



- 1 - Heating unit
- 2 - Drum
- 3 - Door
- 4 - Filter
- 5 - Fan
- 6 - Exhaust duct



This appliance is of the type discharging humid air in the air the ambient and forces it through a heating unit (1).

The warm air then passes through the drum (2) in which the laundry to be dried has been placed, thus removing humidity present in it.

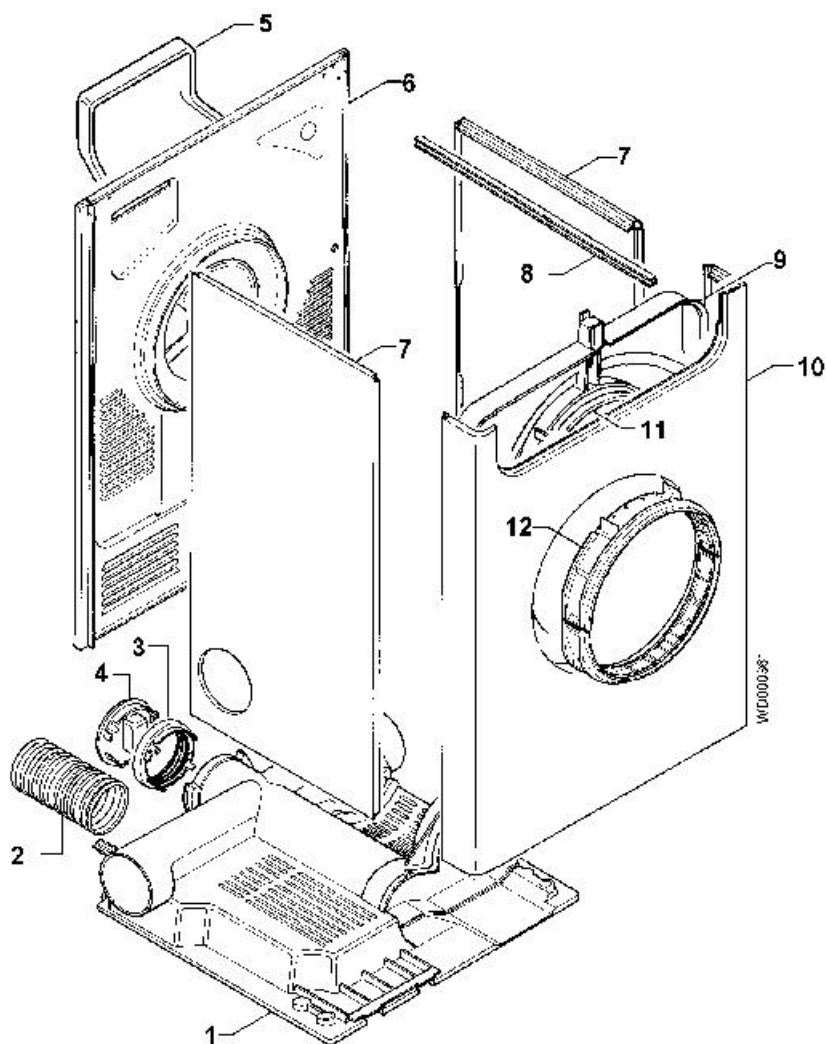
The air then passes through the lint filter (4) and flows out through the discharge pipe (6) into the ambient from which it was originally taken.

A flexible hose may be connected to this discharge pipe so as to discharge the humid air somewhere else. The hose mustn't be longer than 2 m.

CONSTRUCTIONAL FEATURES

CABINET

- 1 - Base
- 2 - Flexible hose
- 3 - Ring nut
- 4 - Cap
- 5 - Back panel cover
- 6 - Back panel
- 7 - Side panels
- 8 - Cross piece
- 9 - Duct
- 10 - Front panel
- 11 - Joint
- 12 - Filter



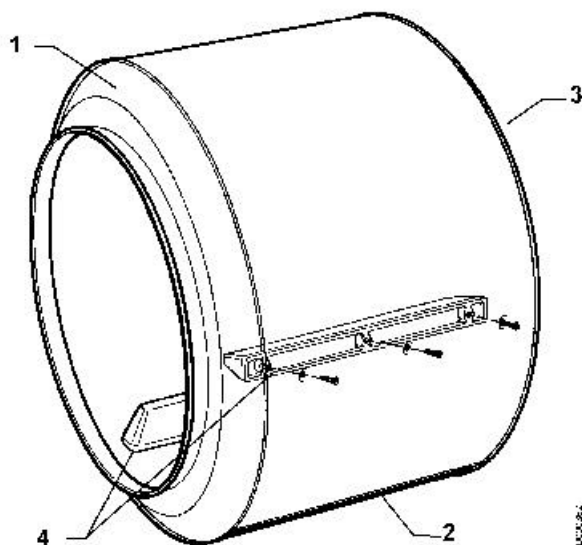
Cabinet/Side panel/Back panel/

Parts made of painted sheet metal fastened together by means of self-threading screws and hooked to the base.

The base is made of Carboran material.

DRUM

- 1 - Front flange
- 2 - Central band
- 3 - Back flange
- 4 - Internal ribs

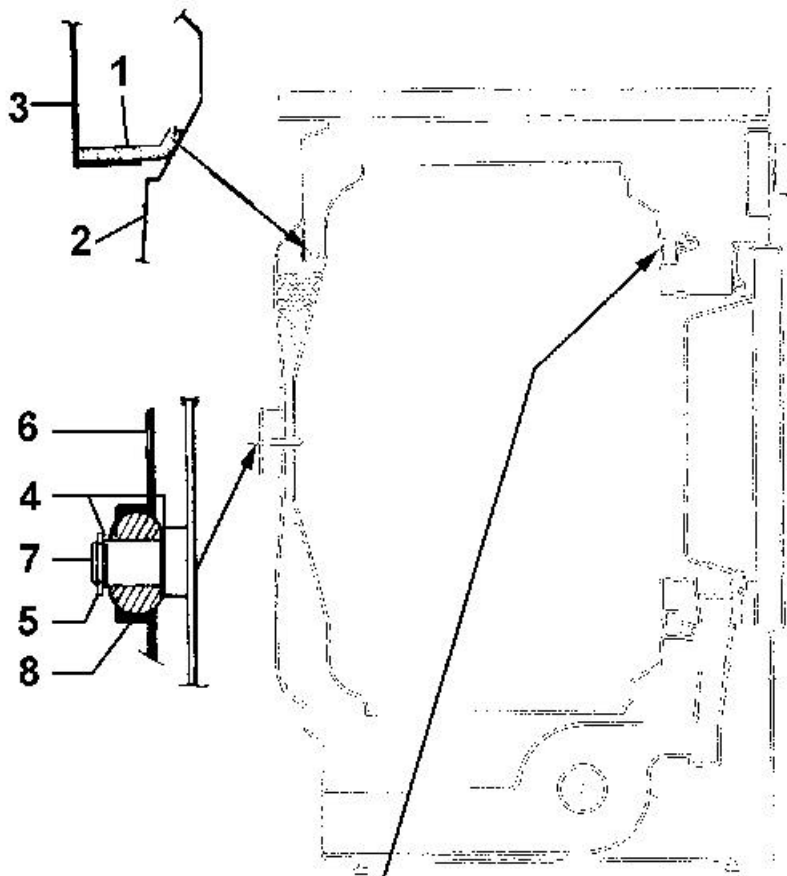


Parts 1-2-3 are seam-folded together. The tumble ribs are fastened by means of screws.

Parts making up the drum may be of sheet steel (AISI 430), of galvanised sheet-iron or may be of both zinc and steel. The drum shaft is riveted to the back flange.

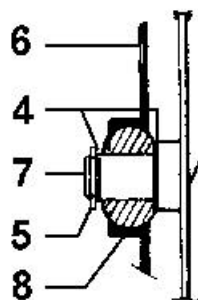
Air tightness at the back

- 1 - Felt ring
- 2 - Drum
- 3 - Back panel



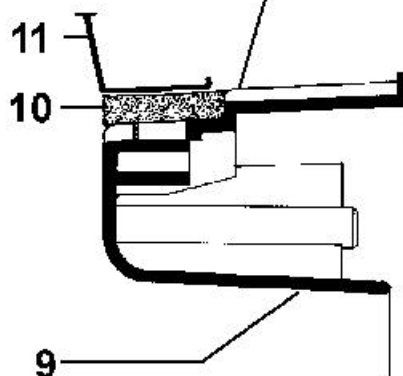
Drum back support

- 4 - Antifriction washer
- 5 - "Benzing" ring
- 6 - Back panel
- 7 - Drum shaft
- 8 - Support provided with a bushing fitted on the back panel



Front support and drum seal

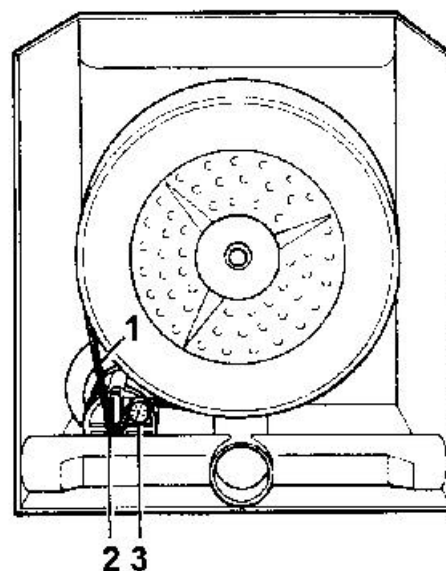
- 9 - Supporting flange
- 10 - Felt ring
- 11 - Drum



WD000363

Drum drive system

- Motor-to-drum belt drive (1)
- Motor (2) fastened at the bottom to the side
- Belt stretcher (3) to increase the belt's winding angle
- Fan blade-assembly directly mounted to the motor shaft
- Drum reversibility on some models. The heating element in this case is excluded during the anticlockwise rotation phase due to the reduced ventilation

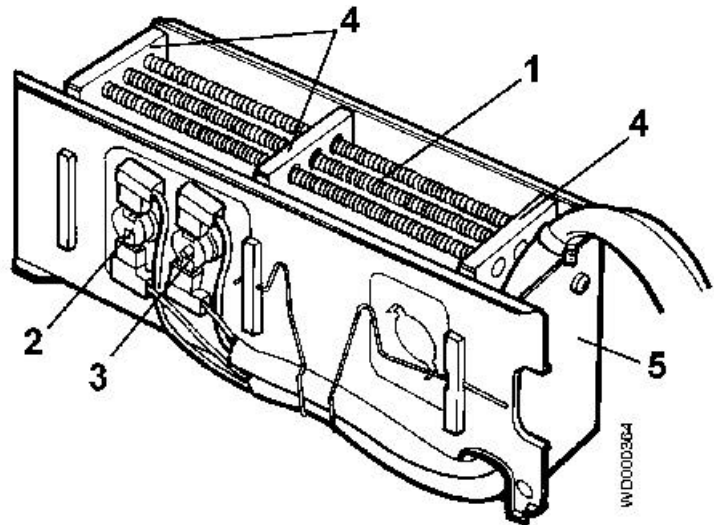


WD000375

MAIN ELECTRICAL PARTS

HEATING UNIT

- 1 - Filament heating element
- 2 - Safety thermostat
- 3 - Manually resettable thermostat
- 4 - Ceramic boards
- 5 - Casing



Double-filament heating element provided with ceramic boards and galvanised sheet iron frame. The heating element power can be, according to the models, 1400 + 600 or 1400 + 1000 W.

Two overheat protection thermostats are fastened to the casing.

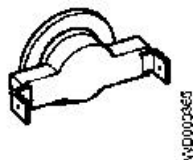
Safety thermostat

Two thermostats are used to cut out the heating elements in case of ventilation failure.

Safety thermostat cut-out in case of ventilation failure (automatically resettable)

Safety thermostat cut-out In case of ventilation failure (manually resettable) by depressing the button

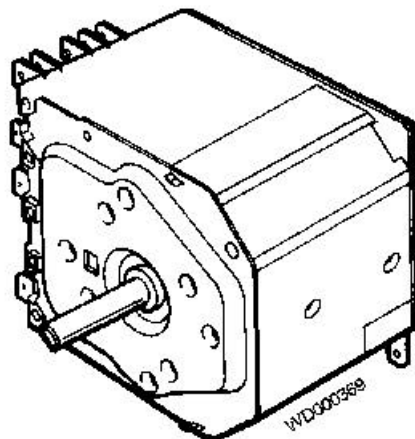
CYCLING THERMOSTAT



Automatically resettable cycling thermostat to limit maximum air temperature. Manually resettable cycling thermostat to limit maximum air temperature .

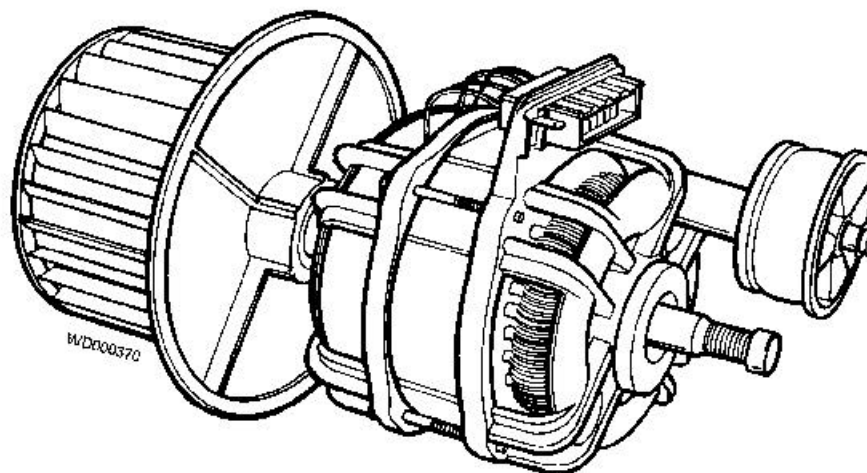
Usually closed , opens at 54°C.

TIMER



- Electromechanical timer including two timing sections for the drying time.
The first from 0 to 120 min. for drying fast fabrics.
The second from 0 to 80 min. for drying delicate fabrics. When the delicate fabrics section is selected one of the heater branches is excluded.
It also includes fast cams for drum tumbling reversal and to exclude the heating function.
Manual rotation must always be clockwise.

FAN MOTOR UNIT



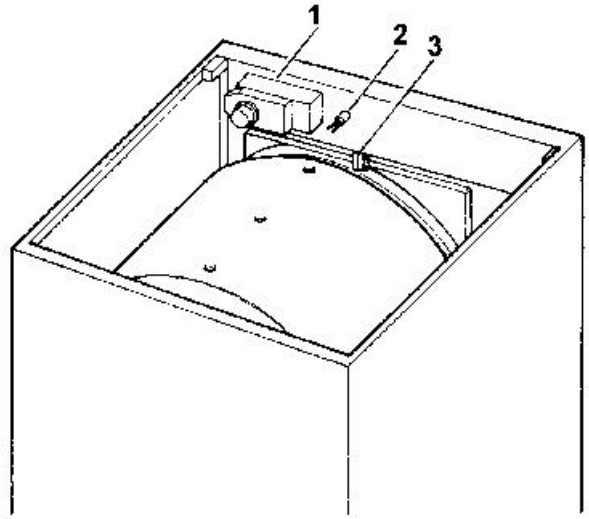
Single-phase asynchronous motor provided with an overload cut out.

ACCESSIBILITY & SERVICEABILITY

FROM THE WORKTOP

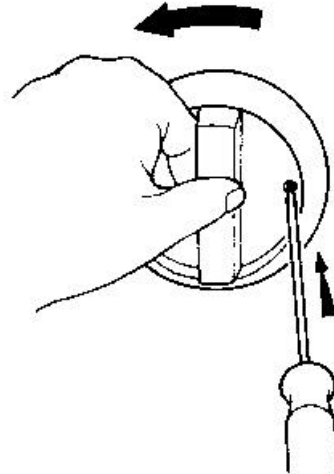
- Disassemble the worktop by unscrewing the two back screws and sliding it out towards the back of the machine

- 1 - Timer
- 2 - Indicator light
- 3 - Door microswitch



TIMER

Remove the knob (see figure), remove the knob flange (see figure); undo the two fastening screws. On some models remove the control panel before removing the knob.

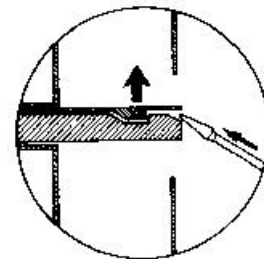


INDICATOR LIGHT

Widen out the conveyor's back tags and slide out the lamp.

DOOR MICROSWITCH

Disconnect leads from the microswitch, widen fastening tags and slide it out upwards and then inwards

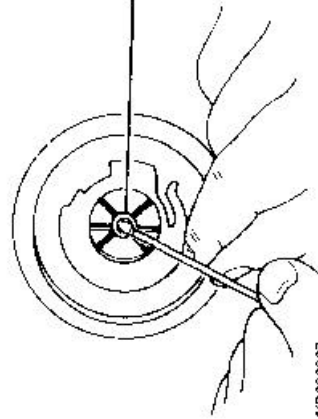


CONTROL PANEL

Disengage it from the controls support interior (fastening teeth)

CONTROLS SUPPORT

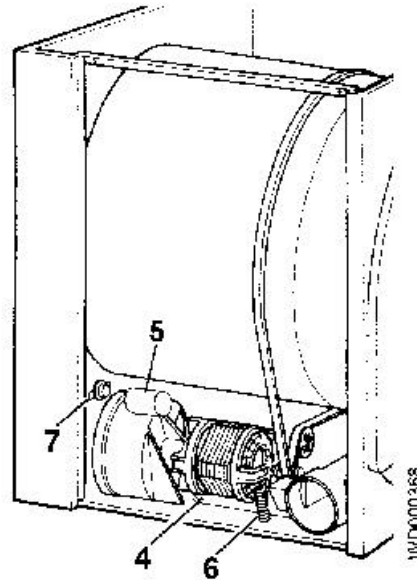
Unscrew the two top screws and slide it out upwards



FROM THE RIGHT HAND SIDE

- Disassemble the worktop
- Disassemble the right hand side by unscrewing the two top screws fastening it to the front panel and to the back panel and then slide it out upwards and then outwards.

- 4 - Motor/fan unit
- 5 - Capacitor
- 6 - Tension spring
- 7 - Cycling thermostat



MOTOR

Disengage the tension spring, remove the belt from the pulley, disconnect the leads from the terminal board and from the condenser, disengage the tags fastening the front and back motor supports and rotate them outwards until they slide out of their seatings.

CAPACITOR

Disconnect leads, lower the engaging tags and slide the capacitor out of its seating by pulling it towards the machine's back panel.

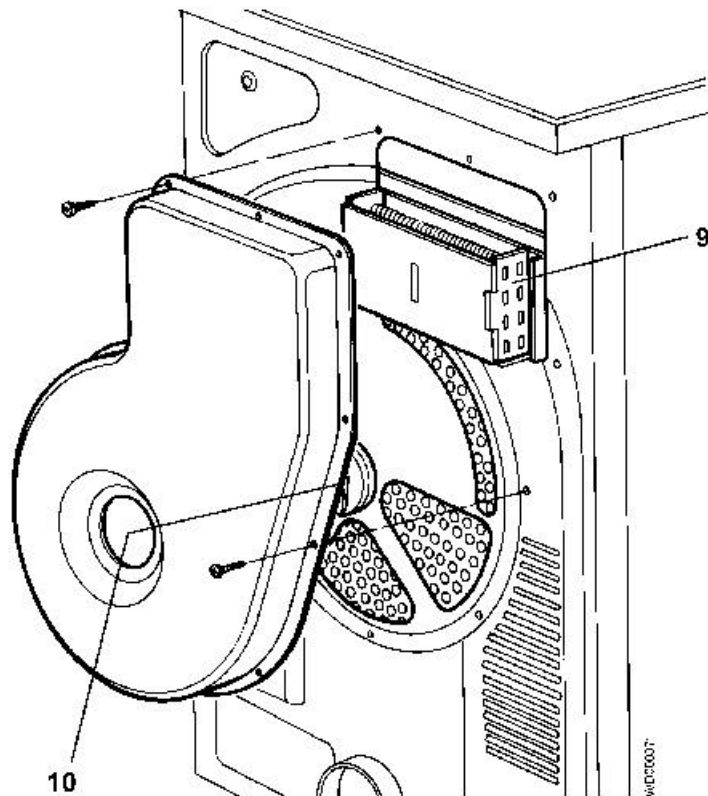
CYCLING THERMOSTAT

Widen the fastening tags and remove it from its seating.

FROM THE BACK PANEL COVER

- Undo the screws fastening the back panel

- 9 - Heating element
- 10 - Back drum support



HEATING ELEMENT

Remove the two screws fastening it to the back panel, disconnect wiring.

SSAFETY THERMOSTATS

In case of failure, replace the whole heating unit.

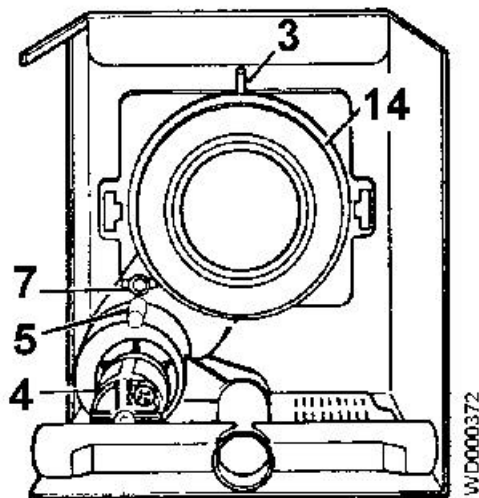
REAR DRUM SUPPORT

Remove the "Benzing" ring and the spacer ring from the drum's shaft, remove the three screws fastening the support and pull outwards.

FROM THE BACK PANEL

After having removed the back panel cover, remove the worktop, undo the screws provided at the top and fastening the back panel to the cross bar and to the sides, and at the back undo the screws fastening the back panel to the base, disengage the tags provided on the base and slide out the back panel.

- 3 - Door microswitch
- 4 - Motor
- 5 - Capacitor
- 7 - Cycling thermostat
- 14 - Front sealing felt ring



DRUM AND DRIVE BELT

They may be removed after having removed the back panel.

FRONT SEALING FELT RING

It may be removed after having removed the back panel.

BACK SEALING FELT RING

Widen out the back panel tags and slide out the back sealing felt ring

WARNING!

Do not damage the felt ring when refitting it.

The seam of the back sealing felt ring must be turned towards the bottom of the black panel.

ACCESS FROM THE DOOR

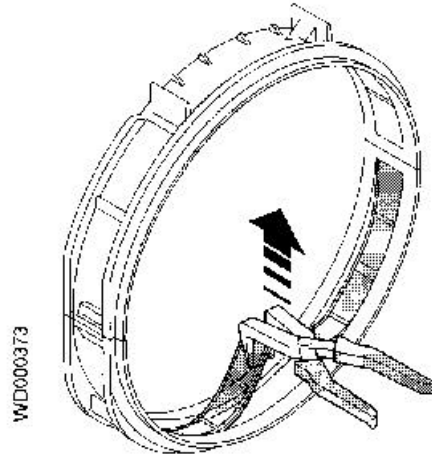
DOOR

To accede to the door undo the screws fastening the hinge

FILTER

To replace the filter screen, without disassembling the front panel and the duct, operate as follows:

- take out the filter screen by means of pliers as shown in figure. Make sure that the plastic supports are not being damaged.
- fit the new filter



DOOR REVERSAL

On some models it is possible to reverse the door opening.

Operate as follows:

- 1 - Remove the door by unscrewing the two screws fastening the hinge to the cabinet
- 2 - Remove the safety catch and the plug by bending the two fastening tags by means of a screwdriver
- 3 - Remove the plug with a screwdriver by bending the two fastening tags
- 4 - Remove the plastic plate by unscrewing the two fastening screws
- 5 - Refit the plug on place of the safety catch
- 6 - Refit the safety catch
- 7 - Refit the plastic plate on place of the hinge
- 8 - Refit the door and fasten the hinge to the cabine with the two screws.

