

SERVICE MANUAL

T3300S

TD30•30

Gas heated dryer

487 03 29 21.00
GB

WARNING

WARNING: For your safety the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personal injury or death.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

- **WHAT TO DO IF YOU SMELL GAS:**
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Clear the room, building or area of all occupants.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.

- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Safety rules

This machine is only intended for drying water-washed garments.

Clothes that have been cleaned with chemicals/flammable liquids, must NOT be dried in the machine.

Remove clothes from the tumble dryer as soon as they are dry. This prevents them from becoming creased, and reduces the risk of spontaneous ignition.

The machine must not be used for drying foam rubber or foam-like materials.

The machine must not be used for drying floor mops.
(This applies only to floor mops containing polypropylene).

The machine must not be used by children.

The machine must not be hosed down with water.

Mechanical, electrical and gas installations must only be carried out by qualified, licensed personnel.

Report machine malfunctions to qualified service personnel immediately. This is important for your own safety and for the safety of others.

Gas dryers only:

The machine is not to be installed in rooms containing cleaning machines with PERCHLORETHYLENE, TRICHLOROETHYLENE or CHLOROFLUOROCONTAINING HYDROCARBONS as cleaning agents.

What to do if you smell gas:

Do not try to light any appliance.

Do not touch any electrical switch; do not use any phone in your building.

Evacuate the room, building or area.

Contact appropriate authorities.

Servicing the dryer

Refer servicing to qualified personnel.

Improper servicing can result in hazardous conditions, fire, explosion, property damage, and personal injury.

Some components may have sharp edges!

Wear gloves when handling mechanical components.

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Technical data, type 3300S, Gas heating

Drum volume:		2 x 300 litre
Weight:	Net	282 kg
Drum:	Diameter	760 mm
	Depth	660 mm
	Revolutions per minute	45 rpm
Capacity:		2 x 13.6 kg
Motor:	Effect without reverse	2 x 1 kW
	Effect with reverse	2 x 1 kW
	Revolutions per minute	
	Motor 50 Hz	2700 rpm
	Motor 60 Hz	3200 rpm
Heat effect:	Gas heating	2 x 21 kW
Air consumption:	Gas 2 x 21 kW	2 x 650 m ³ /h
Piping:	Exhaust	Ø 200
Pressure drop:	Exhaust (max.)	90 Pa
Gas piping:		ISO 7/1-R1/2
Gas pressure:	See page regarding pressure in the installation manual supplied with the dryer	
Sound pressure level:		< 70 dB (A)

Technical data, TD30•30, Gas heating

Cylinder volume:		2 x 10.6 cu.ft.
Weight:	Net	620 lb
Cylinder:	Diameter	29 15/16"
	Depth	26"
	Revolutions per minute	45 rpm
Capacity:		2 x 30 lb
Motor single phase:	Effect of cylinder/vent motor	2 x 0.54 hp
Revolutions per minute:	Motor 60 Hz	3200 rpm
Heat effect:	Gas heating	2 x 71600 BTU/h
Air consumption:	Gas 2x 21 kW	2x383 cu.ft/min
Piping:	Exhaust	ø8"
Pressure drop:	Exhaust (max.)	0.35"W.C
Gas piping:		1/2" NPT
Gas pressure:	See page regarding pressure in the installation manual supplied with the dryer	
Sound pressure level:		< 70 dB (A)

Contents

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Description

Dryer T3300S or TD30•30 is a stack dryer.

The dryer has 2 independent pockets.
Each pocket has a drum volume of
300 litres (10.6 cu.ft).

Motors

The dryer has 2 motors per pocket - one to
run the drum and one to run the fan.

Programs, Selecta Control (Non-Coin version)

Each pocket has an independent operating
panel and an independent main control circuit
board.

On OPL (non-coin operated) models, there are
five factory-provided drying programs in the
dryer control's memory.
It is also possible to directly select the desired
drying time.

The dryer stops automatically when the clothes
are dry (Auto Stop).

The dryer's control provides diagnostic error
codes which offer guidance in troubleshooting.

Coin drop/card reader

The dryer is available with a factory-installed
coin drop, a factory-installed card-start system,
or it can be prepared for field installation of a
card start system. On vending models, insertion
of a coin or card vends an owner- programmed
drying time.

Heating

The dryer is gas heated.

The standard configuraion is equipped for
natural gas.

An LPG (bottle gas) conversion kit is available
see section 40.

Use

The dryer is designed for coin-operated
laundries or on premises laundries.



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Function check

Check that the drum is empty and the loading door is closed.

Checking the micro switches

Start the dryer.

Check if the micro switches are working properly:

- The dryer **must** stop if the loading door is opened.

If the dryer operates with the loading door open, go to section 29.

- The dryer **must** stop when the lint drawer is opened.

If the dryer operates with the lint drawer open, go to section 29.

Correct direction of rotation

For dryers with a 3-phased motor the direction of rotation must be checked.

Check the direction of rotation of the **blower motor**:

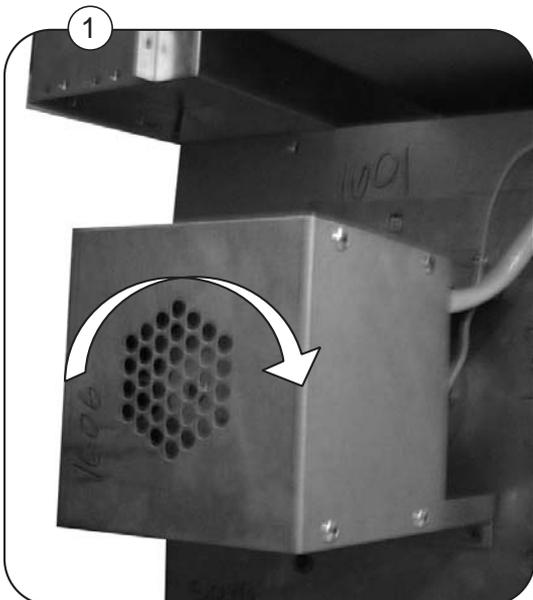
1. **Fig. 1** Correct direction of rotation must be **clockwise** when viewed through the ventilation holes on the motor cover on the rear of the dryer.

If the direction of rotation is not correct, swap two phases on the power input connection terminal block.

Final test

1. Start the dryer and allow it to operate for 5 minutes on a program that requires heat.
2. Check whether the heating is working by opening the loading door and feeling the heat.

If the above test-points are in order, the dryer is ready for use.



Maintenance

• Exhaust plenum

Check that (after three months, then every three to six months, as necessary) the exhaust plenum on the rear of the dryer has not become blocked with lint or other debris.

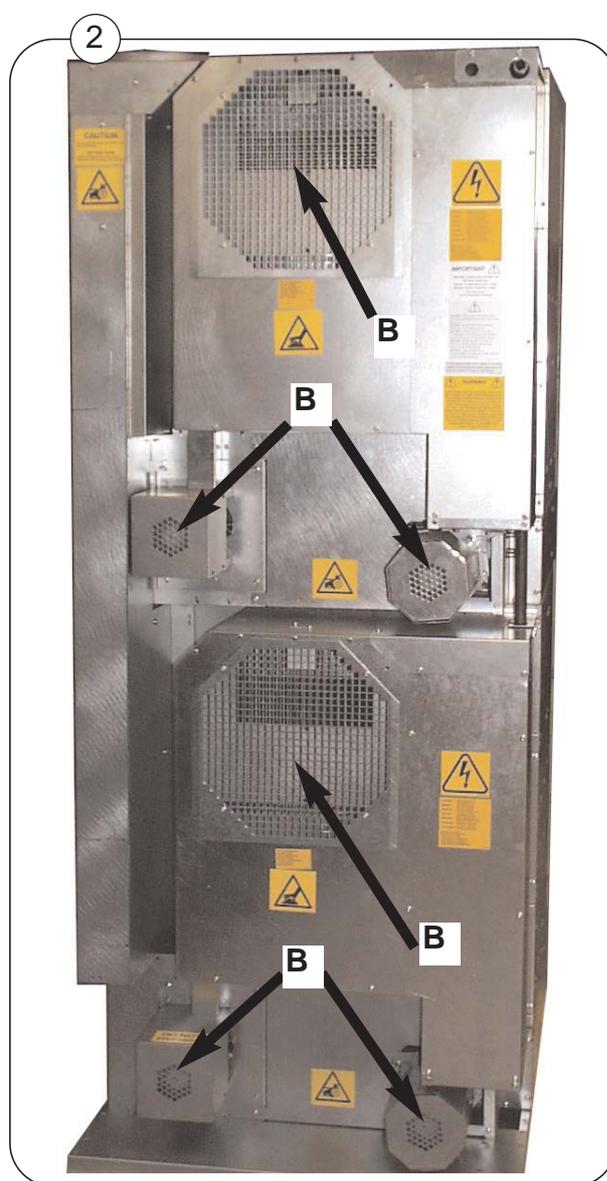
Dismounting

1. Dismount the external exhaust duct from the dryer.
2. **Fig. 1** Dismount the dryer's exhaust plenum by removing the two screws **A** from the flange at the top of the plenum, and lifting it away.

The inside part of the exhaust plenum can be cleaned.

• Perforations

1. **Fig. 2** Check (weekly) that perforations **B** are not blocked with lint and dust.
2. Clean them with a vacuum cleaner.



Maintenance

• Blower compartment

Check (after three months, then every three to six months, as necessary) that the blower compartment has not become blocked with lint or other debris.

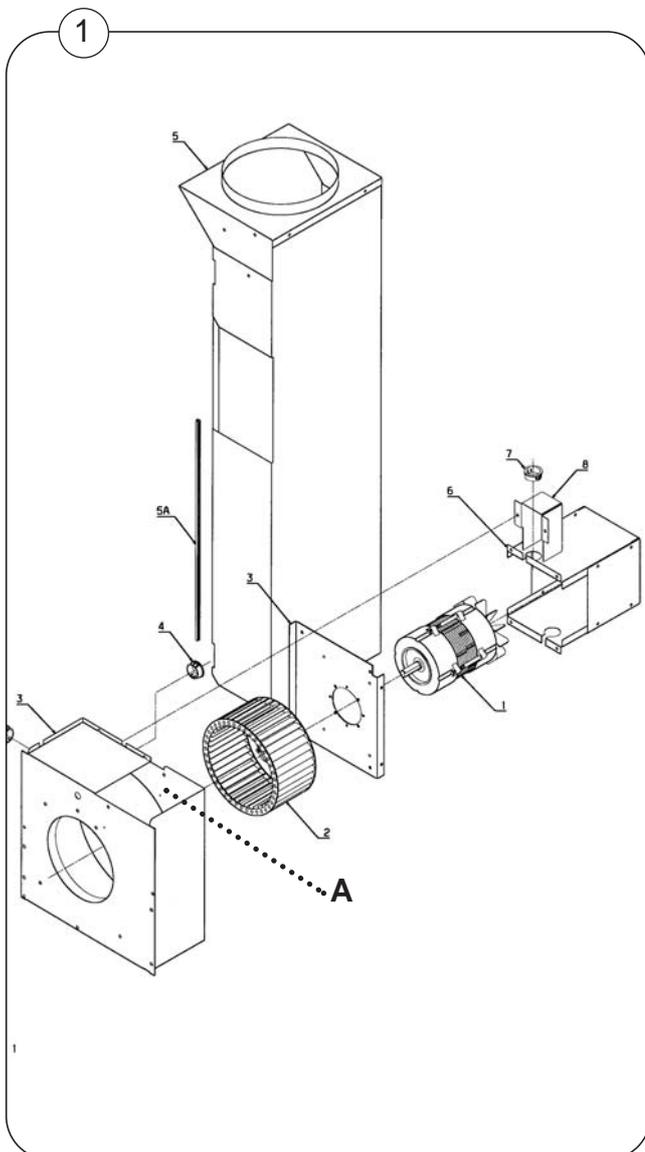
Dismounting

1a. **Fig.1** Dismount the blower to get to the blower compartment, see section 30.

1b. If the dryer has a heavy accumulation of lint, the exhaust plenum should be removed. The top of the blower compartment **A** can now be cleaned.

• Door gasket

Check that the loading door gasket is clean and in good condition. Use a suitable cleaner. Do not use solvents that may damage sensitive plastics or painted finish.



Maintenance

• Lint drawer

1. Check (at least once daily) that the lint screen in the drawer **B** is clean and in good condition.
2. Remember to clean the lint drawer in both the top and bottom dryers!
3. Clean the lint drawer gaskets. Use a suitable cleaner. Do not use solvents that may damage sensitive plastics or painted finish.

• Secondary lint screen

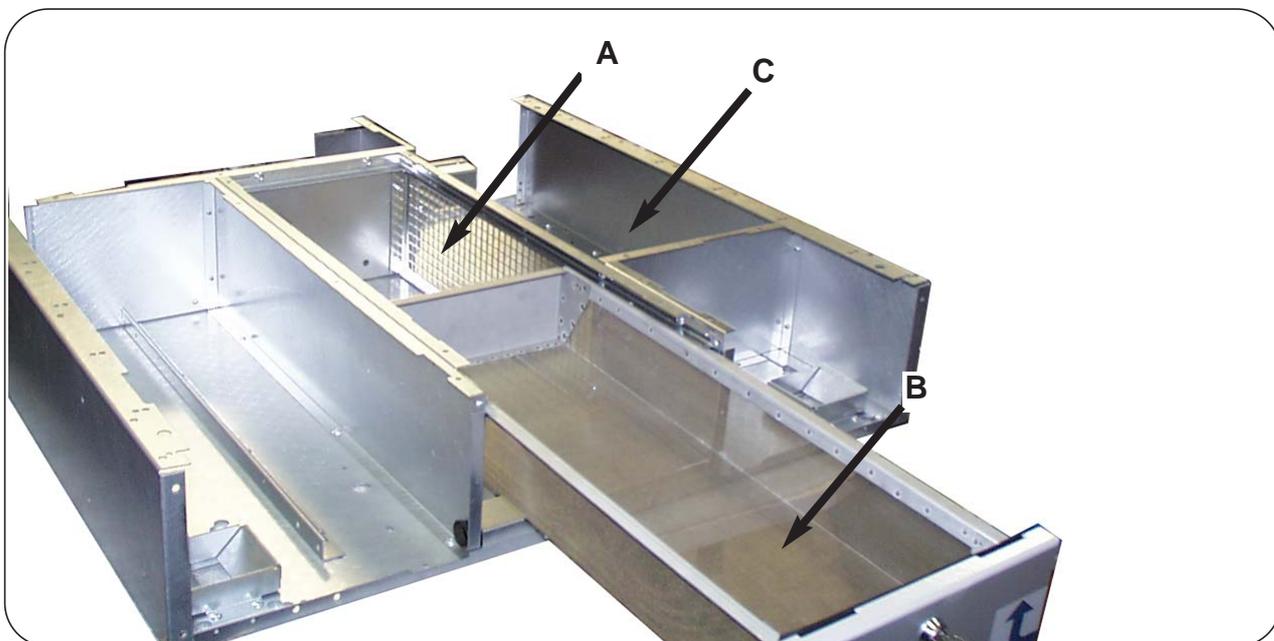
Check (at least every other day) that the secondary lint screen **A** behind the lint drawer **B** has not become blocked with lint or other debris.

The secondary lint screen **A** is essential for reducing lint accumulation in the blower.

ALWAYS reinstall this screen after cleaning it!

Dismounting

1. Remove the screen drawer **B** from the dryer.
2. Remove the 2 wing nuts.
3. Remove the secondary lint screen **A** and clean the screen and the area **C** behind the screen by using a vacuum cleaner.
4. Remember to clean the lint screens in both the top and bottom dryers!



Maintenance - Internal wearing parts

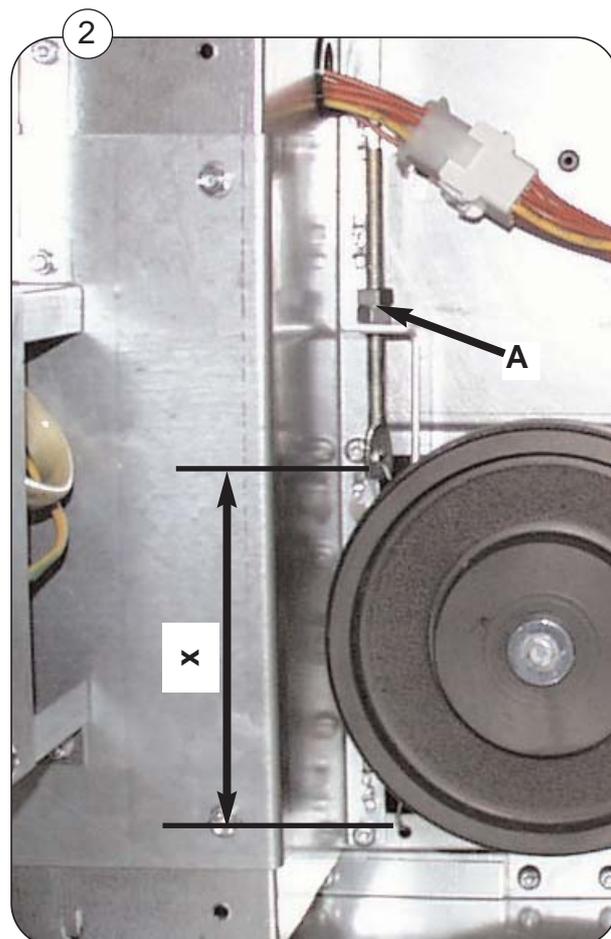
Maintenance should be conducted to an extent related to operation frequency and the conditions on the premises, or at least once a year.

• Cleaning around the drum

1. Disconnect the power supply from the dryer.
2. **Fig. 1** Dismount the front panel (See section 42: Replacing support rollers).
3. Remove the lint using a vacuum cleaner.
4. Inspect the two support rollers and replace them if necessary.
5. Re-assemble the dryer.
6. Connect the power supply - remember to carry out a **function check** as described earlier in this section.

• Tightening drive belt

1. Remove the plate in front of the transmission module.
(See section 30: Dismounting transmission module).
2. **Fig. 2** Check that the springs are tightened as shown. Spring length x should be $130 \text{ mm} \pm 5 \text{ mm}$ ($5'' \pm 3/16''$).



The area surrounding the dryer

Fresh-air intake to the room

Check that the fresh-air intake to the room and the exhaust ducts/pipes from the room are not clogged by lint/dust or blocked in any other way.

Dryer area

Check that the dryer area is clear and free from combustible materials, gasoline and other flammable vapours and liquids.

Safety and warnings signs (USA only)

Product safety signs or labels should be replaced when they no longer meet the legibility requirements for safe viewing.

Check that all the safety and warning signs are located on the dryer as shown in the installation manual supplied with the dryer. A copy of this manual is available from your dealer.

Replacement of safety signs or labels should be in accordance with the installation manual.

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Error codes - Overview E 01 - E 18 and E 99

The dryer is equipped with an automatic diagnostic system.

Operating problems are displayed as blinking error codes. Whenever an error occurs, the dryer stops operating.

Except where noted, error codes are cleared by disconnecting the power or by entering the service program.

Error analysis

An diagnostic procedure is provided for each error code. If an error has not been corrected after the procedure, please contact the manufacturer for additional assistance.

Error code	Description	Page
	General note regarding error codes related to overheating (E01, E02, E08)	12.4
E 01	Inlet air (electric heated dryer only) - input temperature is too high The temperature of the air entering the drum is too high (measured by thermistor element).	12.5
	Inlet air (gas heated dryer only) - input temperature is too high The temperature of the air entering the drum is too high (measured by thermistor element).	12.6
E 02	Outlet air - Output temperature is too high The temperature of the air leaving the drum is too high (measured by thermistor element).	12.7
E 03	Inlet air - Sensor has short-circuited The thermistor element measuring the air inlet temperature to the drum, or the wiring to the sensor has shorted.	12.8
E 04	Outlet air - Sensor has short-circuited The thermistor element measuring the air outlet temperature from the drum, or the wiring to the sensor has shorted.	12.9
E 05	Blower motor –The thermal protection switch in the motor, or its harness, is open.	12.10
E 06	Drum motor – The thermal protection switch in the motor, or its harness, is open.	12.11
E 07	Not in use on this model.	
E 08	Inlet and Outlet air protection thermostats One of the protection thermostats has opened due to overheating.	12.12-12.14
	E 08 check list	12.26

Error code	Description	Page
E 09	Not in use on this model.	
E 10	Setting - Programming error / incorrect or missing parameter(s).	12.15
E 11	Not in use on this model	
E 12	Drying error - Maximum allowable Autostop time exceeded (non-coin operated models only)	12.16
E 13	Drying error - Requested drying time is longer than maximum allowed. (dryer connected to a payment system)	12.17
E 14	Gas error - A flame was not detected on gas heated dryers	12.18
E 15	Vacuum switch The vacuum switch does not shut within 5 seconds after the dryer is started.	12.20
	E 15 check list	12.26
E 16	Vacuum switch The vacuum switch was already closed when an attempt to start the dryer was made.	12.20
E 17	Input sensor disconnected The inlet thermistor or wiring to the thermistor is open.	12.21
E 18	Output sensor disconnected The outlet thermistor or wiring to the thermistor is open.	12.22
E 99	Communication error The usermodule does not receive communication from the main board. (user module and main board).	12.23

IMPORTANT SERVICE NOTE!

Continuity and resistance measurements suggested by the procedures in this manual require that power to the dryer be disconnected, and that the device whose resistance is being measured be disconnected from all circuits that might affect the accuracy of the measurement.

E 01, E 02, E 08

General note regarding error codes related to overheating:

Before troubleshooting the electronic systems of the machine, examine the dryer to determine if the airflow is normal.

Insufficient airflow due to over-filling the machine, lint-obstructed screens, air passages and ducts, or improper exhaust venting are all possible causes of various errors.

See page 12.26.

E 01 - Inlet air - Input temperature is too high, electric heated dryer

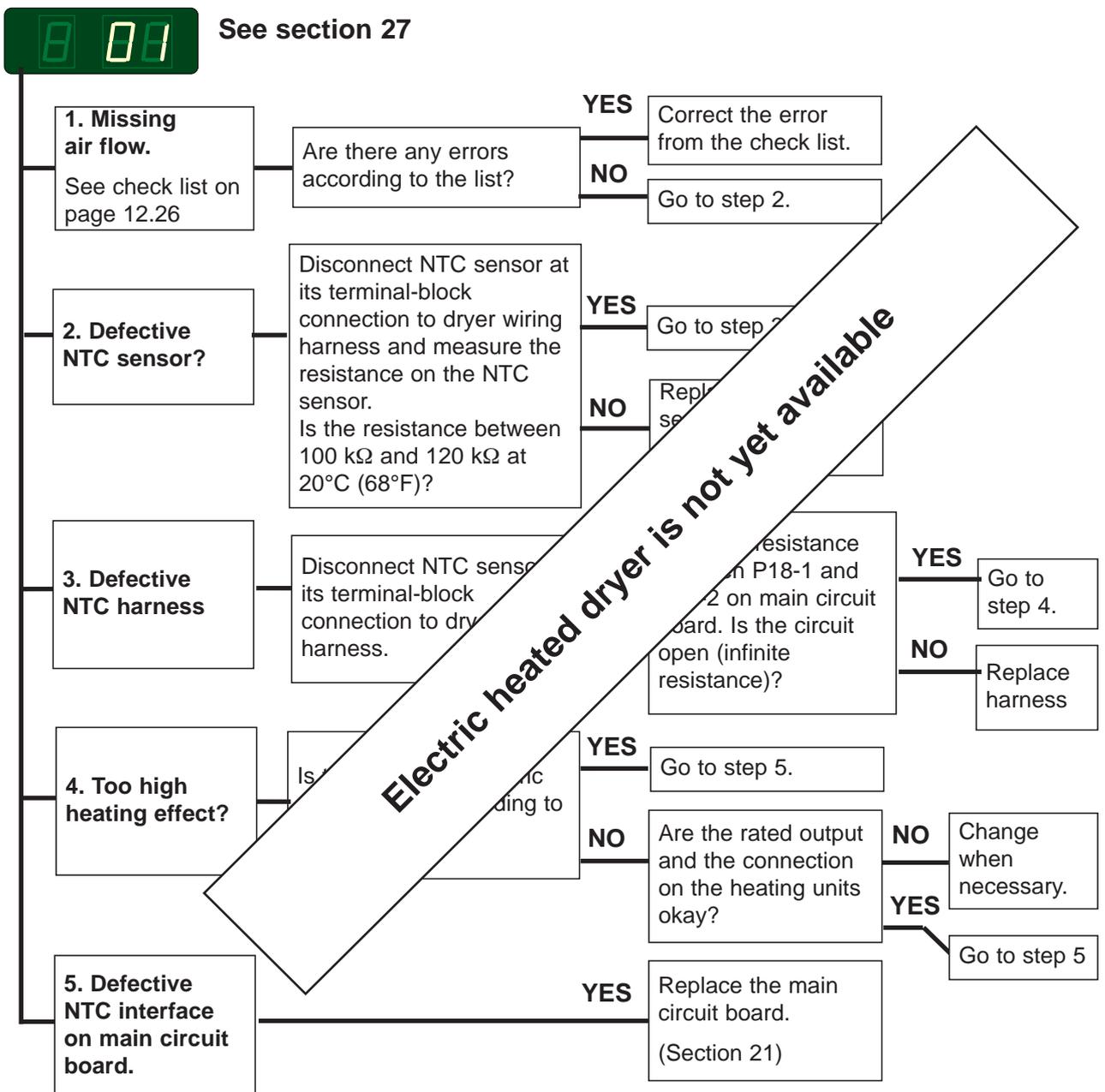
Error description

The input temperature exceeds 85°C (185°F) for more than 10 sec.

The air thermistor is a "negative temperature coefficient" (NTC) sensor. As a result of this the resistance decreases as its temperature increases.

The dryer stop operating.

Error analysis



For instructions on entering programming mode see section 21.

E 01 - Inlet air - Input temperature is too high, gas heated dryer

Error description

The input temperature exceeds 220°C (428°F) for more than 10 sec.

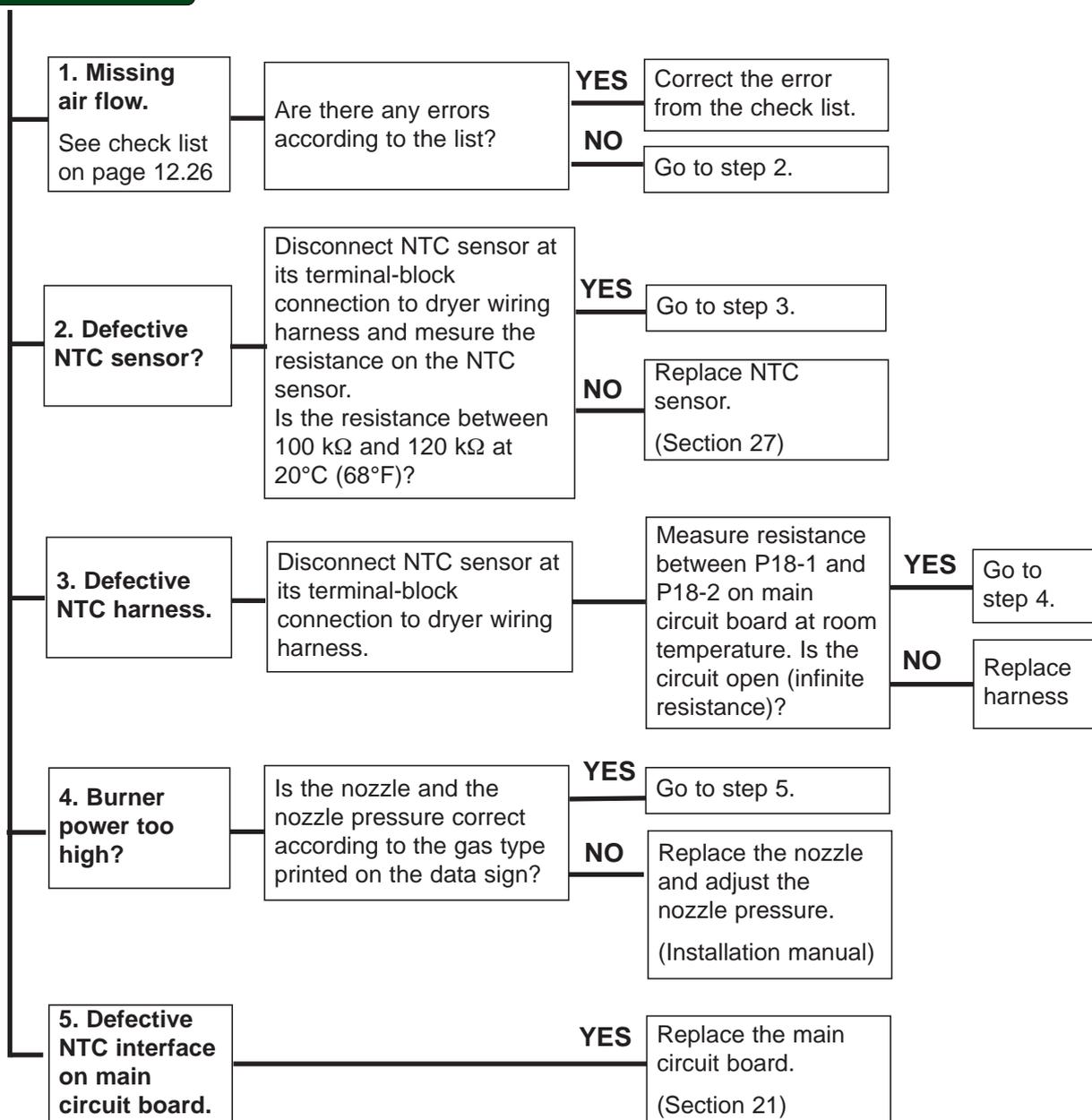
The air thermistor is a "negative temperature coefficient" (NTC) sensor. As a result of this the resistance decreases as its temperature increases.

The dryer stop operating.

Error analysis



See section 27



For instructions on entering programming mode see section 21.

E 02 - Outlet air - Output temperature is too high

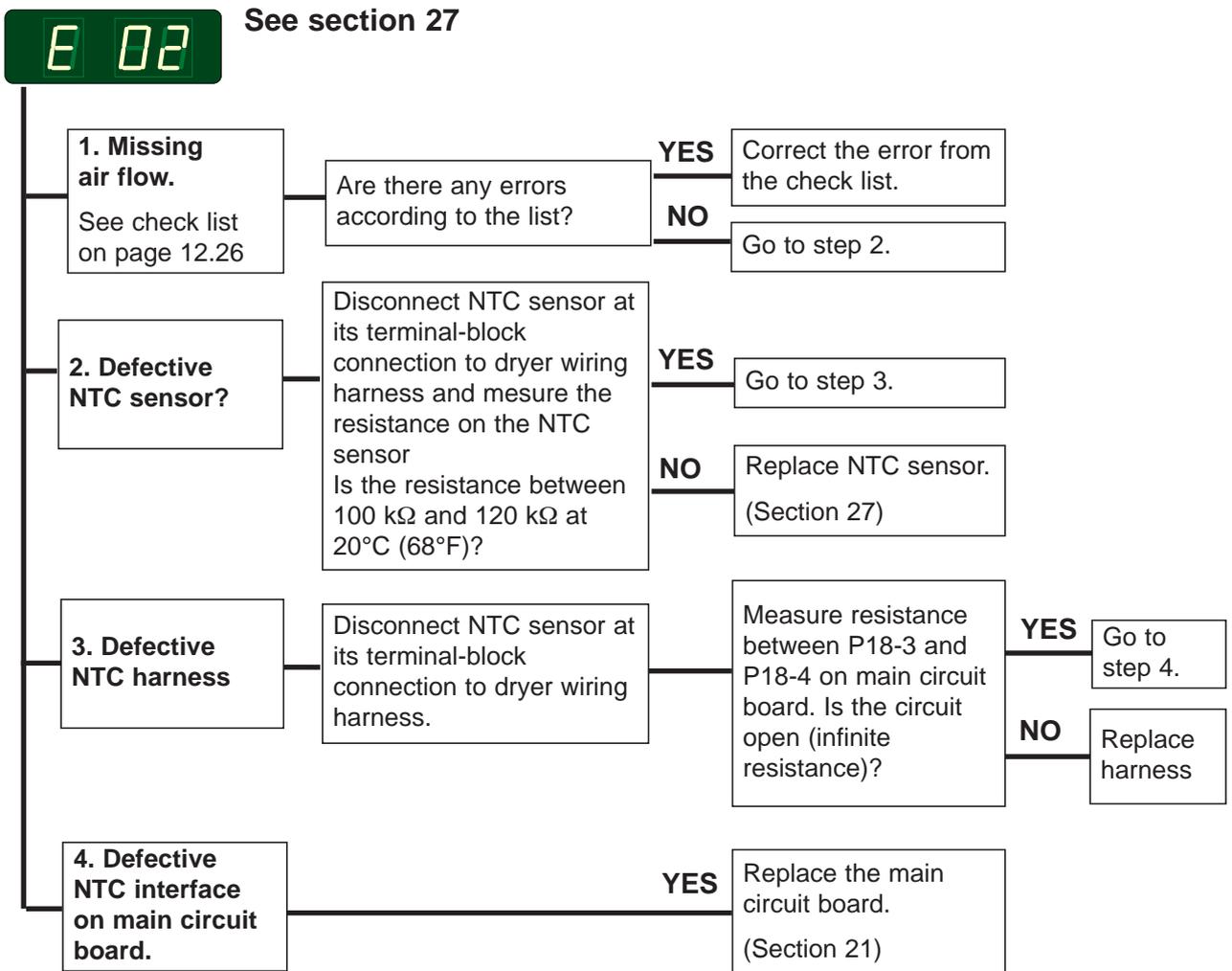
Error description

The output temperature exceeds 85°C (185°F) for more than 30 sec.

The air thermistor is a "negative temperature coefficient" ("NTC") sensor. As a result of this the resistance decreases as its temperature increases.

The dryer stop operating.

Error analysis



E 03 - Inlet air - Sensor has short-circuited

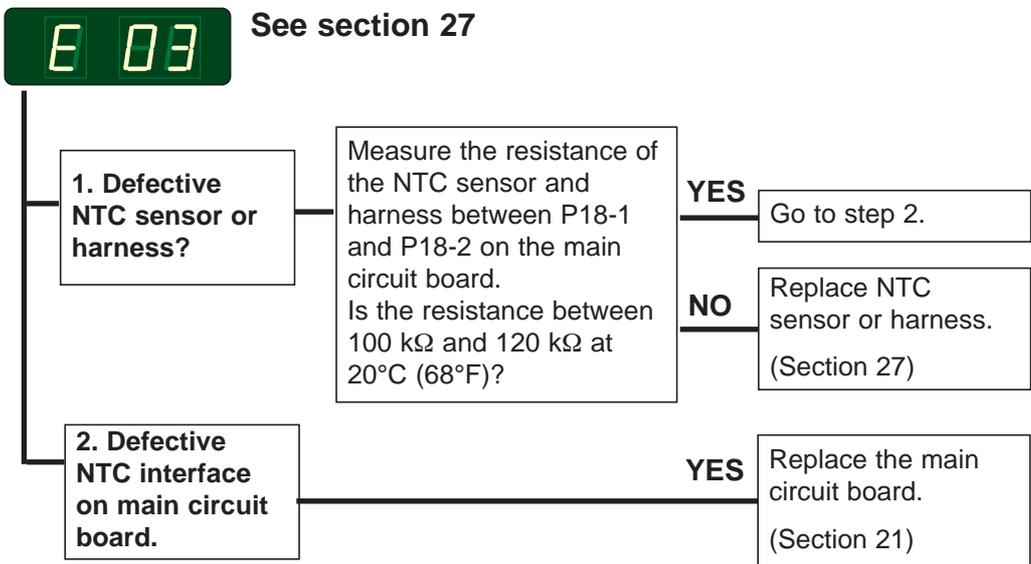
Error description

This error code indicates that the inlet air thermistor, connected to P18-1 and P18-2 on the main circuit board, or the harness from the main circuit board circuit board to the thermistor, has short circuited.

A defective detection circuit in the main circuit board can also cause this error.

The dryer stops operating.

Error analysis



E 04 - Outlet air - Sensor has short-circuited

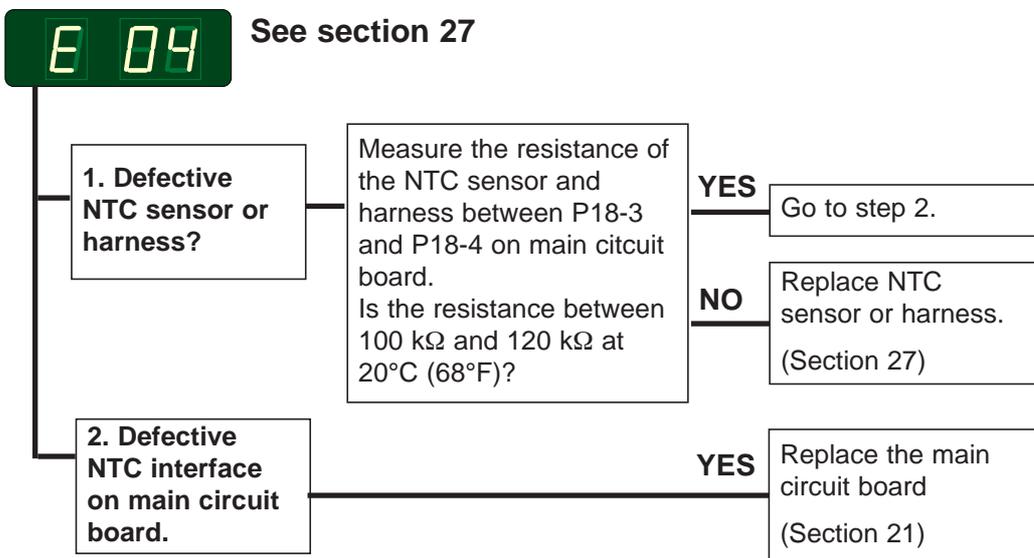
Error description

This error code indicates that the outlet air thermistor, connected to P18-3 and P18-4 of the main circuit board, or the harness from the board to the thermistor, has short circuited.

A defective main circuit board can also cause this error.

The dryer stops operating.

Error analysis



E 05 - Blower motor - Overheating protection

Error description

The thermal protection switch inside the blower motor is connected between P6-2 and P6-5 of the main circuit board.

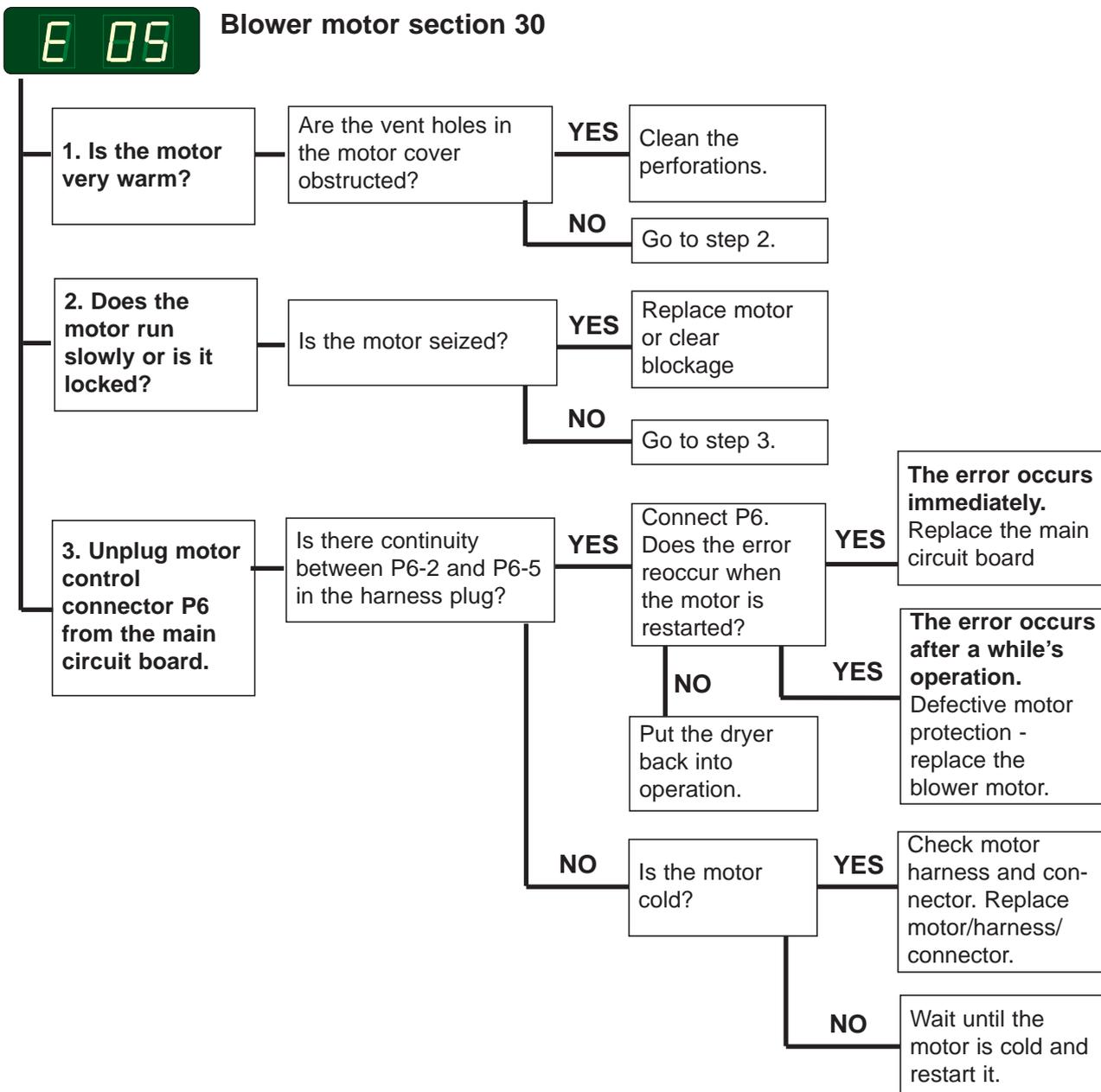
This error indicates that the thermal protection switch, or the harness between the board and the switch, has opened.

A defective main circuit board can also cause this error.

The dryer stops operating.

The error is only detected when the door is closed.

Error analysis

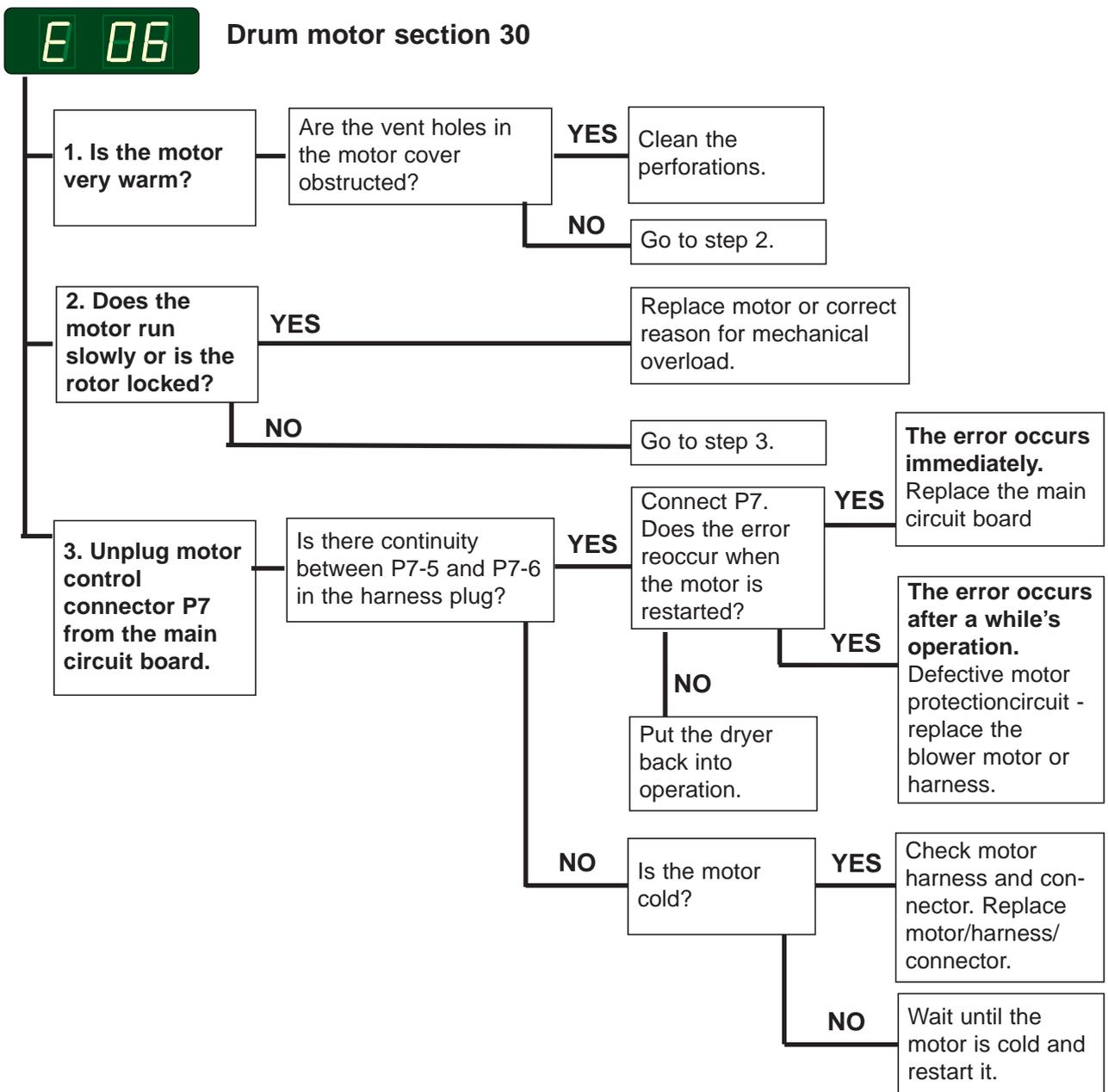


E 06 - Drum motor - Overheating protection

Error description

The thermal protection switch inside the drum motor is connected between P7-5 and P7-6 of the main circuit board.
 This error indicates that the thermal protection switch, or the harness between the board and the switch, has opened.
 A defective main circuit board can also cause this error.
 The dryer stops operating.
 The error is only detected when the door is closed.

Error analysis



E 08 - Inlet air and outlet air - Overheating thermostat

Error description

Two normally-closed, manual-reset high limit thermostats, one measuring the inlet air temperature, and one measuring the outlet air temperature, are connected in series between P4-6 and P4-10 of the main circuit board.

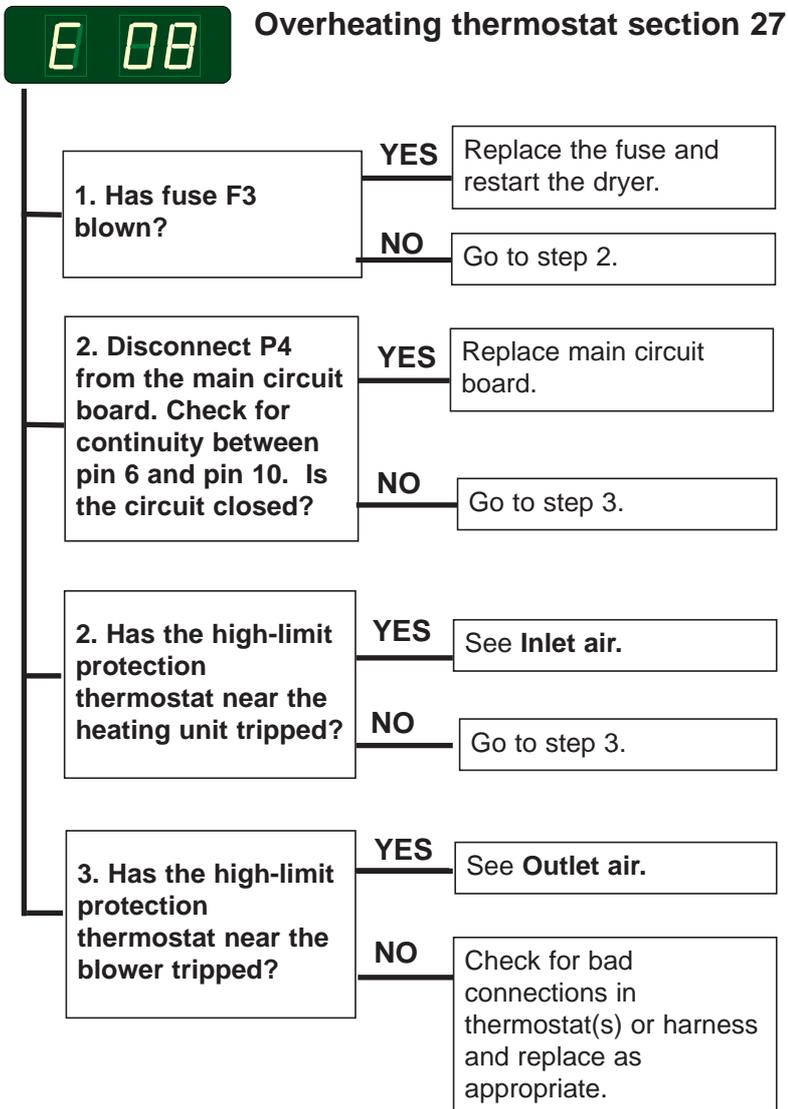
This error indicates that one of the two thermostats, or the connecting harness has opened.

A defective main circuit board can also cause this error.

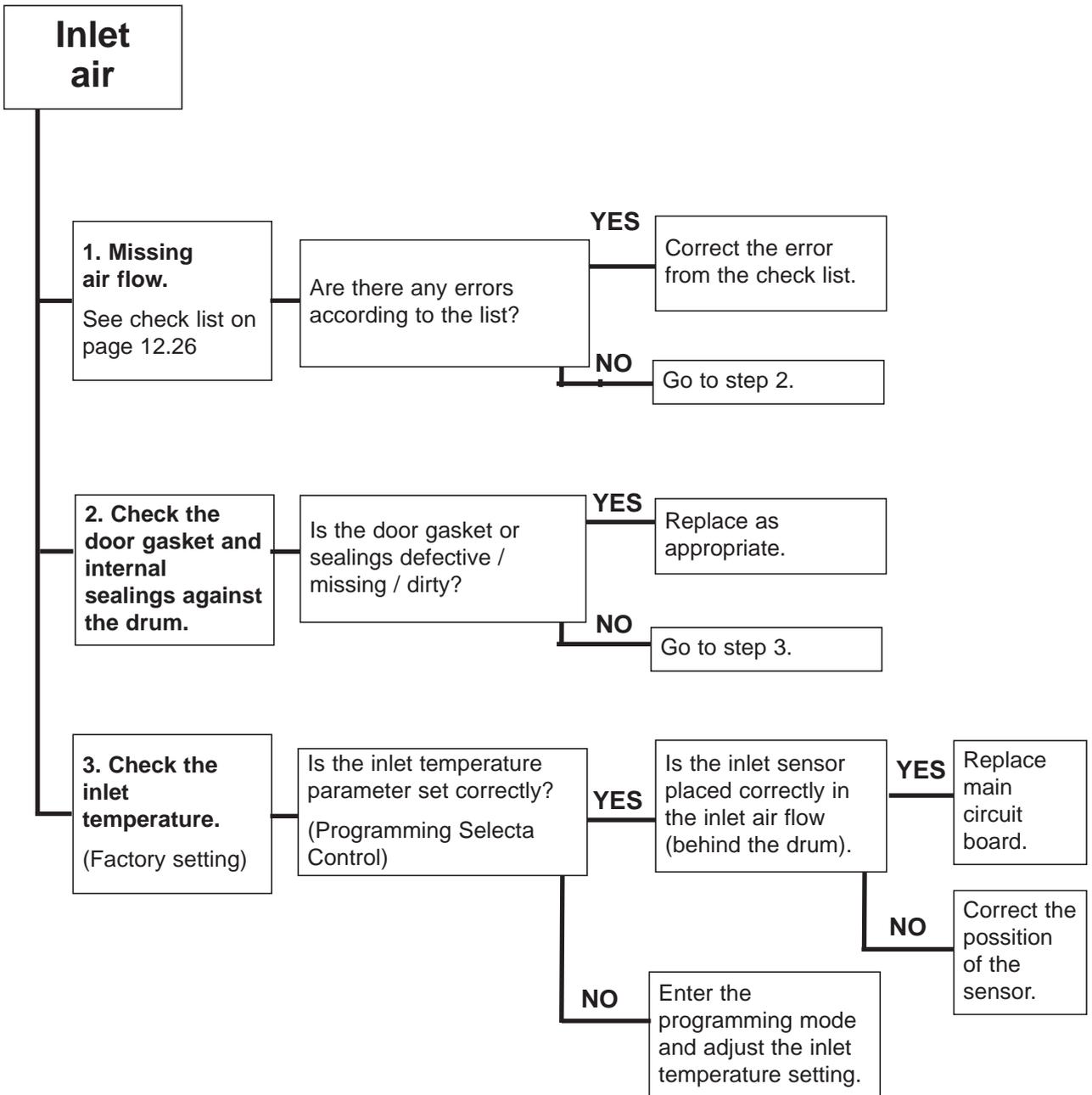
The dryer stops operating.

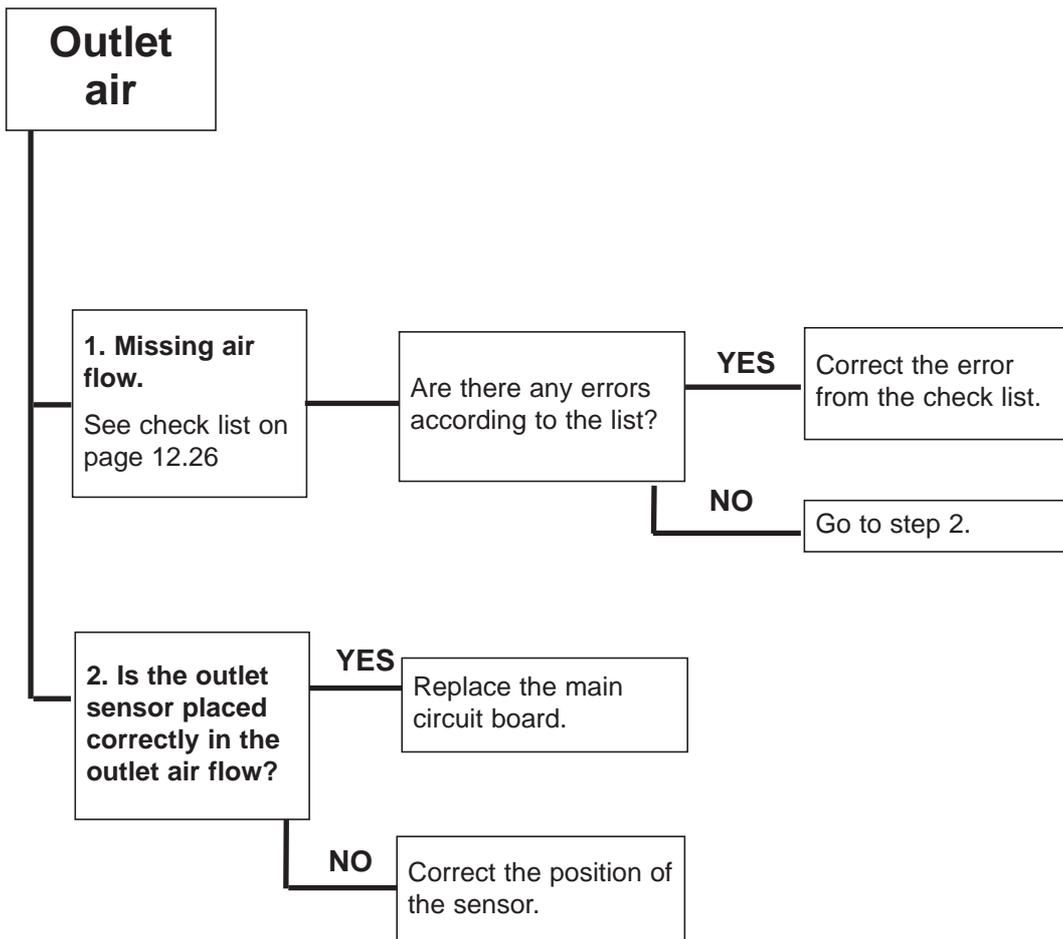
The error is only detected when the door is closed.

Error analysis



E 08 - Inlet air - Overheating thermostat



E 08 - Outlet air - Overheating thermostat

E 10 - Programming errors - Settings

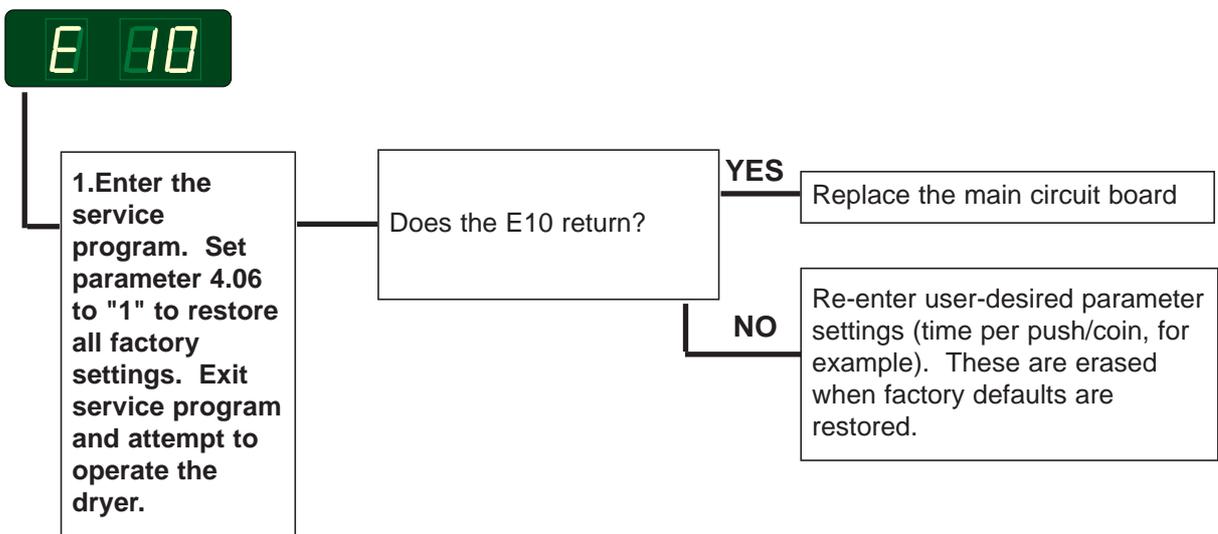
Error description

This error occurs when the parameter set-up is inconsistent.

Note! When resetting the circuit board the user adjusted programs disappear and need reprogramming.

The dryer stop operating.

Error analysis



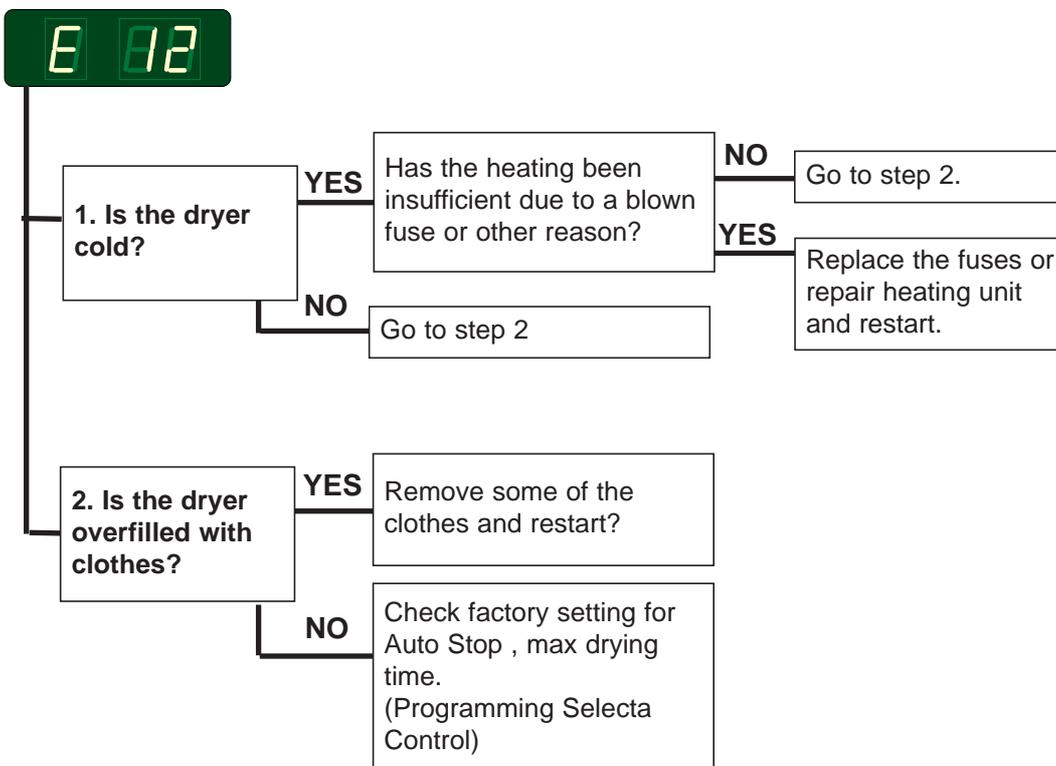
E 12 - Drying error with Auto Stop system

Error description

Non-coin metered models only: The dryer stops automatically when the clothes are dry (Auto Stop system).

Error code E12 occurs if the Auto Stop system does not register that the clothes are dry within 90 minutes (factory setting).

Error analysis



Resetting

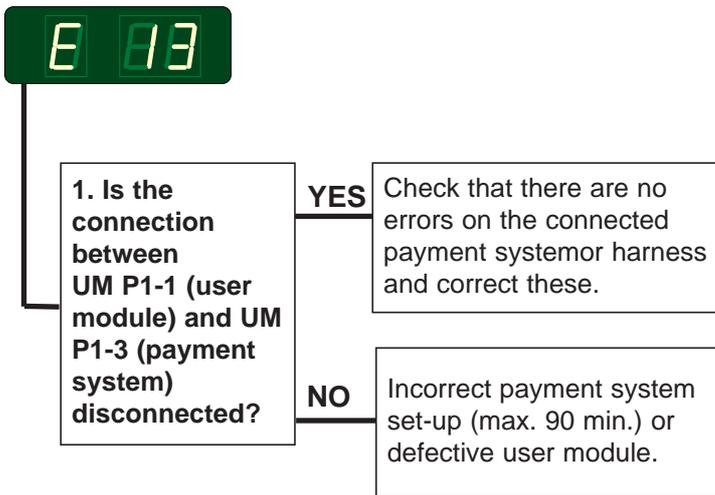
Resetting is done by opening/closing the door to the dryer and press the start button once, or by pushing the start button twice.

E 13 - Drying error, dryer connected to a payment system

Error description

Error code E13 occurs with Payment systems where the customer or system has requested a longer drying time than the allowed 90 minutes (factory setting on the dryer).

Error analysis



Resetting

Resetting is done by opening/closing the door to the dryer and press the start button once, or by pushing the start button twice.

E 14 - Gas error

Error description

When the ignition control fails to detect a flame, a signal is sent to the main circuit board, and error code E14 is displayed.

The metal probe of the flame sensor generates an electrical current when exposed to the burner's flame.

This signal is detected by the ignition control module which, in turn, cuts off the gas valve immediately. If the sensor does not indicate flame within 5 sec.

The integrity of the sensor's electrical connection is, therefore, critical to proper operation of this system.

Displaying error code E14

USA and Japan: The error code is not displayed until the 3rd unsuccessful ignition attempt.

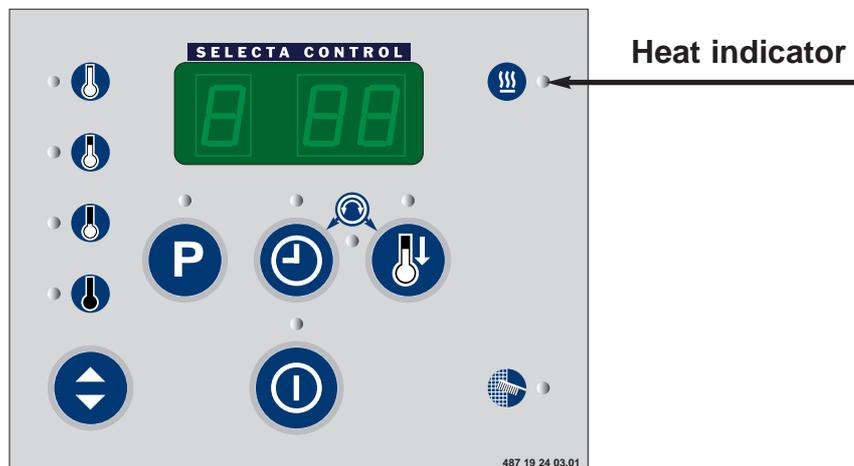
Europe: The error code is displayed at the 1st unsuccessful ignition attempt.

Resetting

NOTE! When resetting the system the dryer **must** operate on a program with heat and when the heat indicator is on.

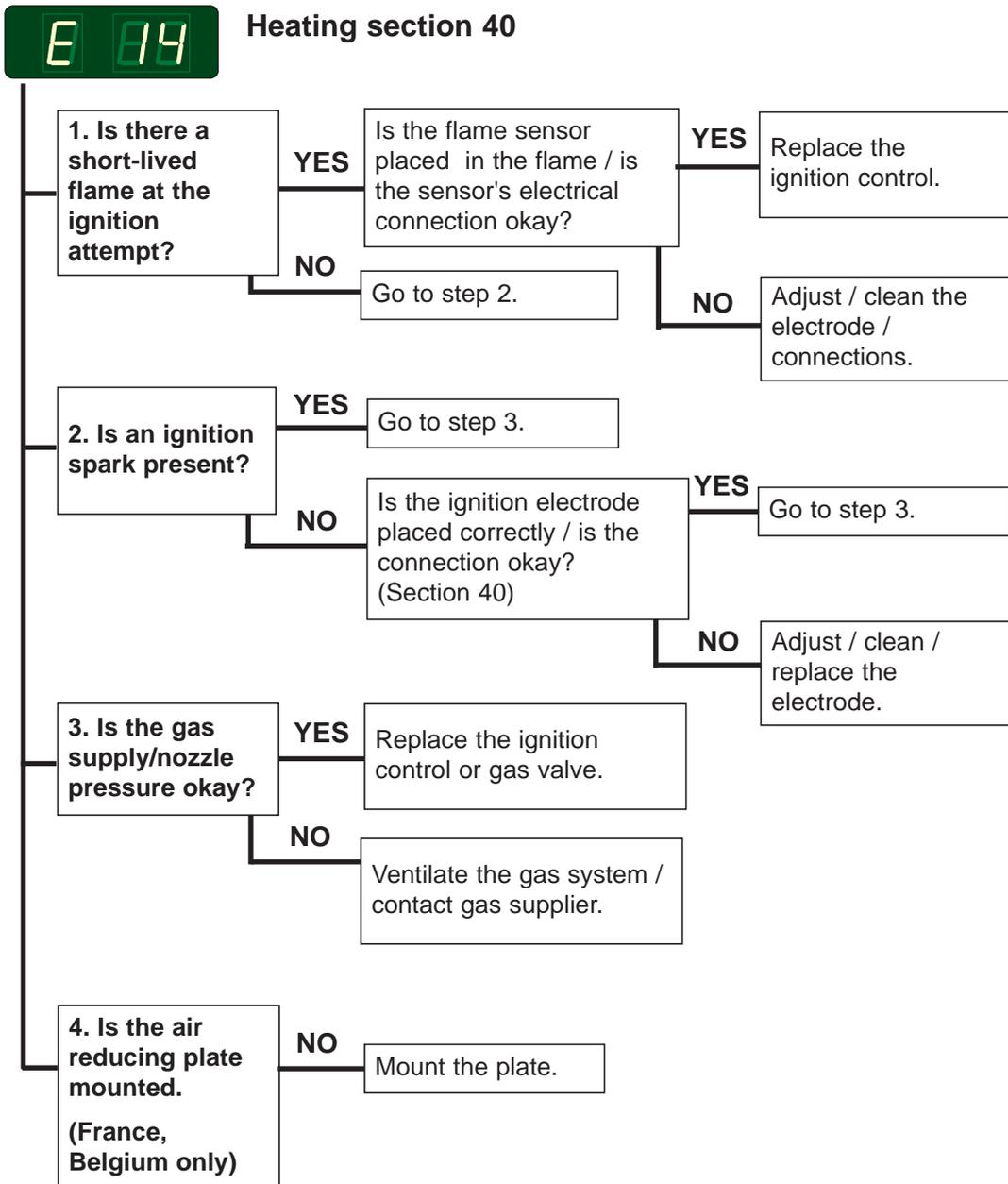
Resetting is done by pushing the gas reset button on the user module, see section 40.

Japan only: By opening and closing the door.



E 14 - Gas error

Error analysis



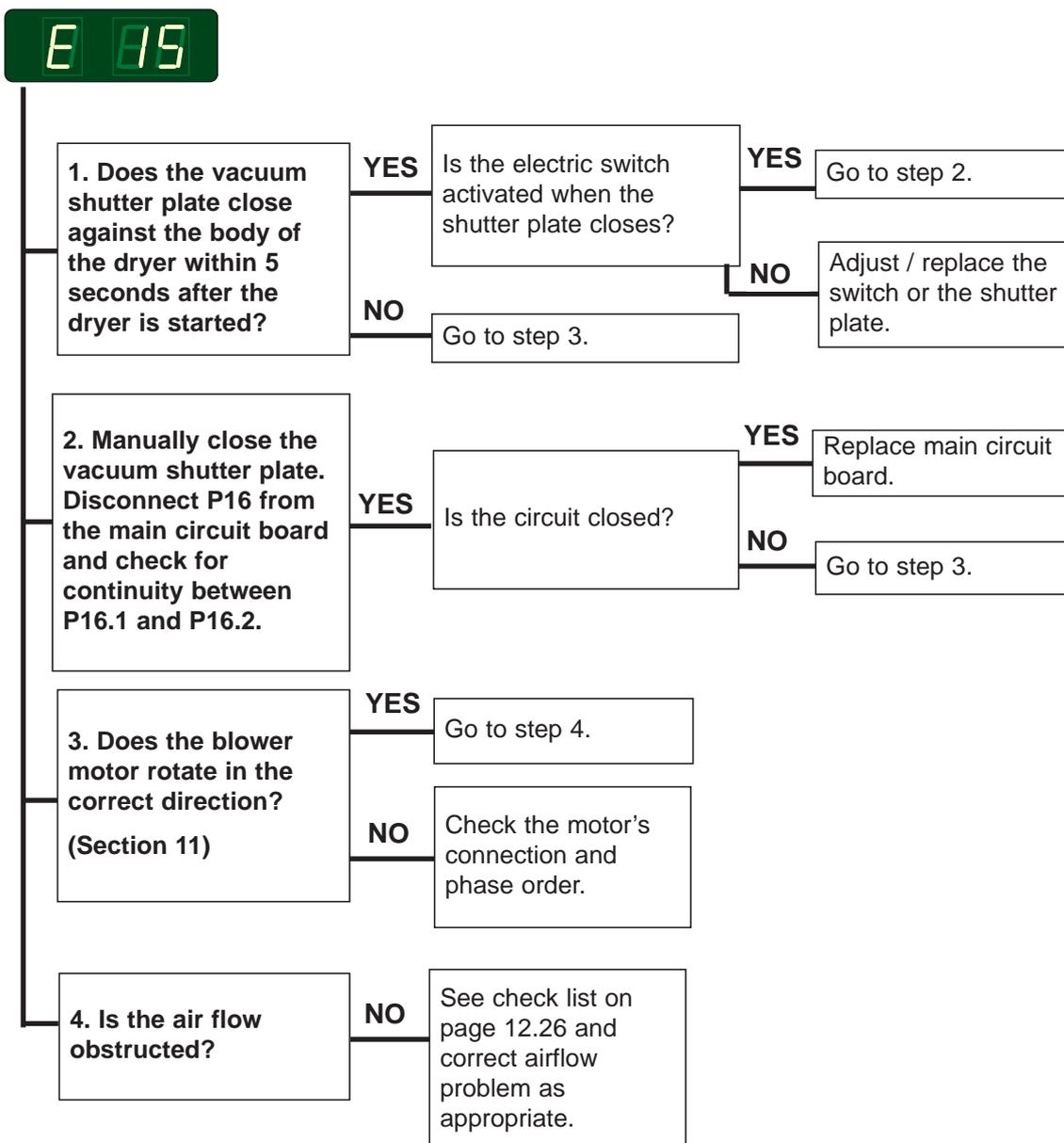
Intentionally blank

E 15 - Vacuum switch

Error description

The vacuum switch does not shut within 5 seconds after the fan has started.

Error analysis



Resetting

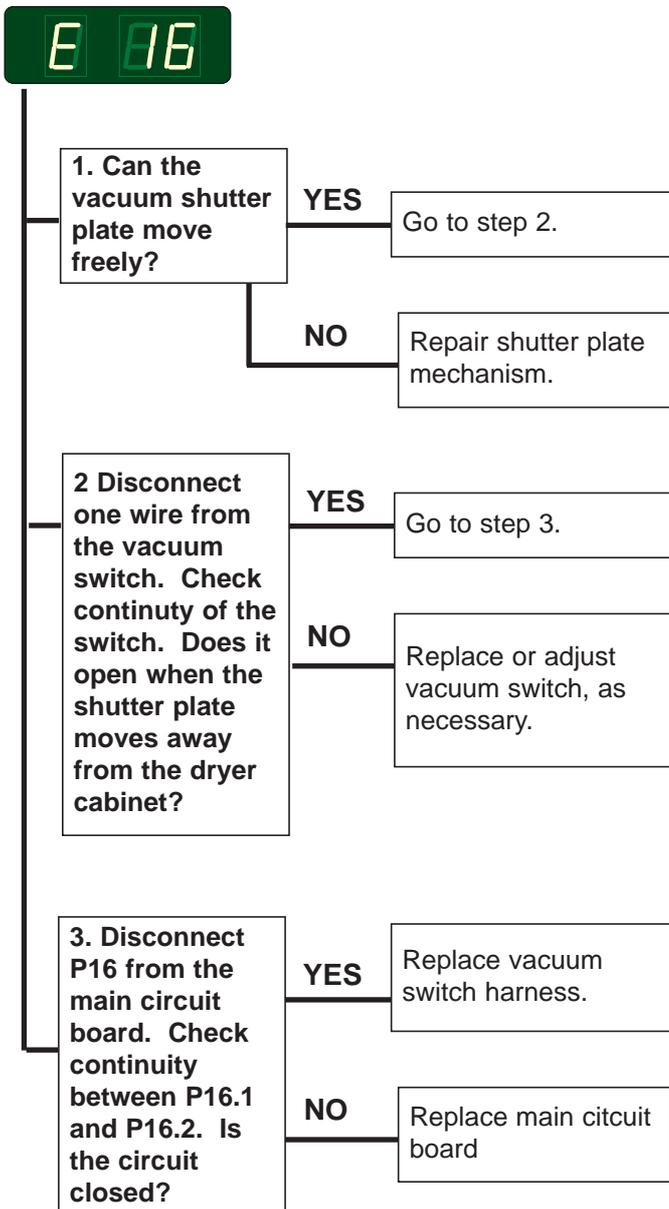
Resetting is done by opening/closing the door to the dryer and press the start button once, or by pushing the start button twice.

E 16 - Vacuum switch does not open

Error description

The error occurs if the vacuum switch is already closed when an attempt to start the dryer is made.

Error analysis



Resetting

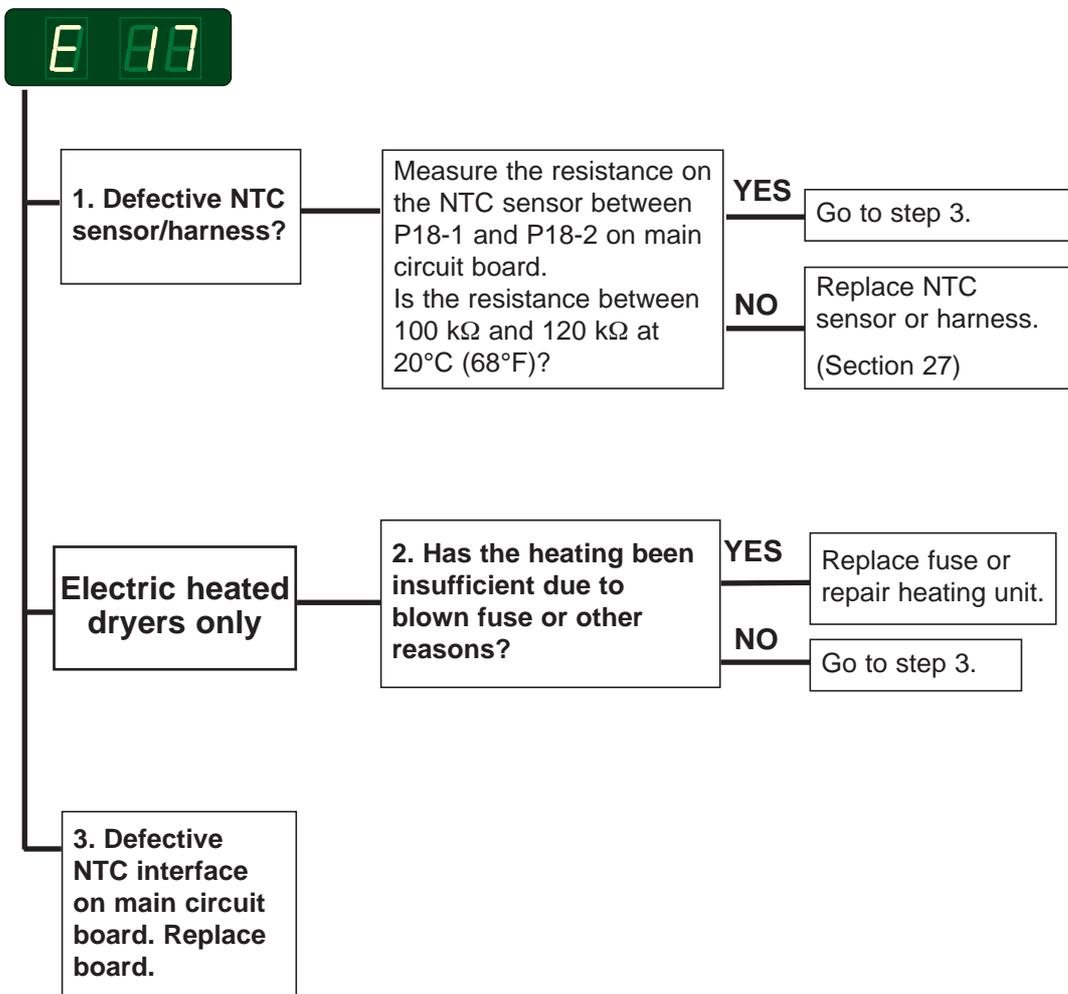
Resetting is done by opening/closing the door to the dryer and press the start button once, or by pushing the start button twice.

E 17 - Input sensor disconnected

Error description

This error is displayed when the inlet NTC sensor is disconnected or indicates less than 30°C (86°F) after 2 min. of dryer operation. However, if the sensor is disconnected during operation the error is displayed immediately.

Error analysis



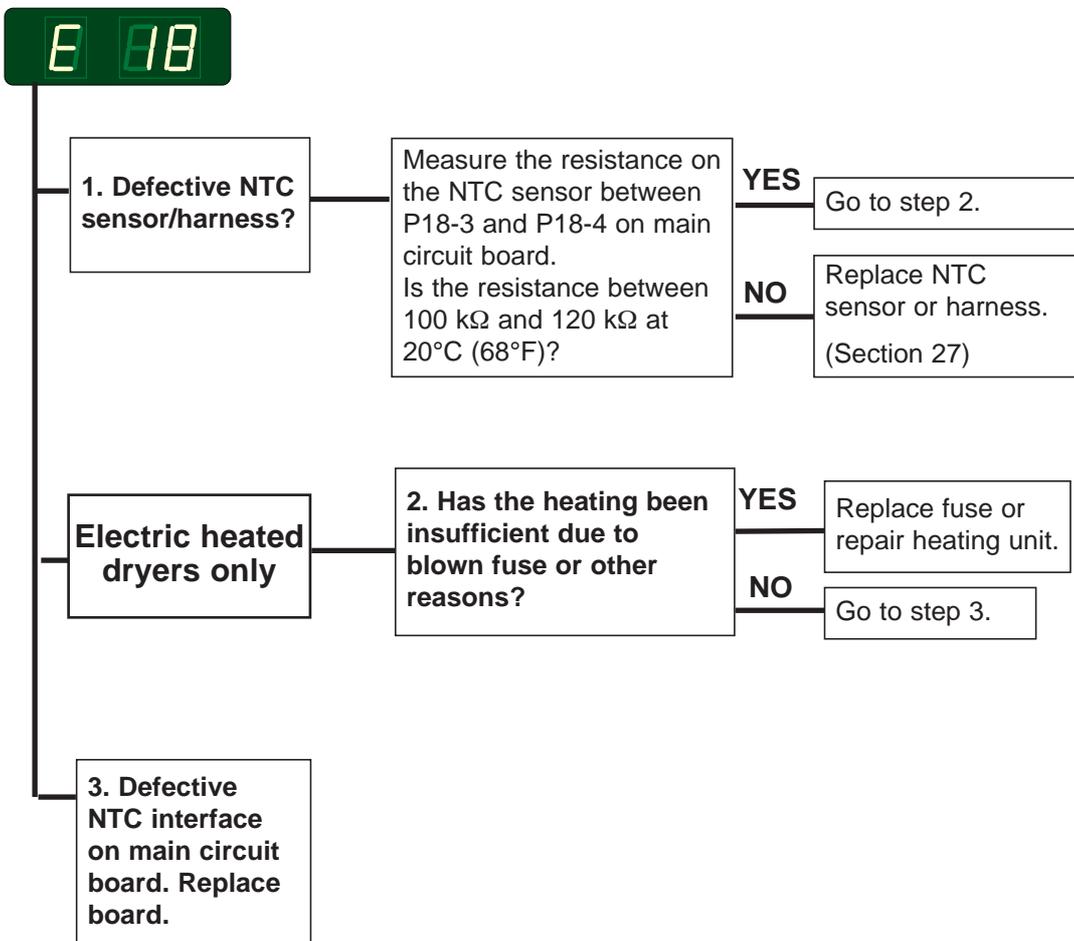
E 18 - Output sensor disconnected

Error description

This error is displayed when the outlet NTC sensor is disconnected or indicates less than 20°C (68°F) after 2 min. of dryer operation.

However, if the sensor is disconnected during operation the error is displayed immediately.

Error analysis



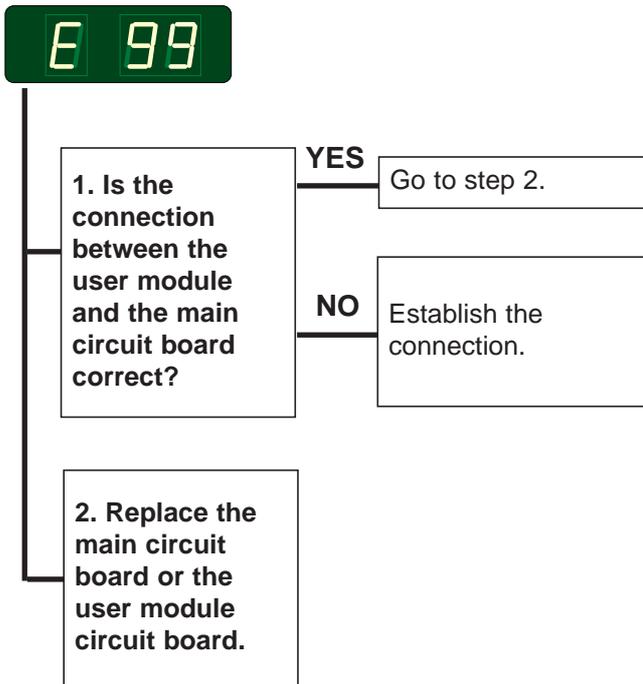
E 99 - Communication error

Error description

This error occurs when the user module circuit board does not communicate with the main circuit board via their serial interface.

This error does not get registered in the error log.

Error analysis



Resetting

Resetting is done by either disconnecting the power or by entering the programming mode. How to enter the programming mode see section 21.

Check list - error codes E 01, E 02, E 08 and E 15

Items concerning the necessary air flow and items concerning gas connection

Check items concerning the necessary air flow:

1. Check that the fresh-air intake to the room and the exhaust ducts/pipes from the room are not clogged by lint/dust or blocked in any other way.
2. Check that the dryer receives the necessary quantity of fresh air (See installation manual).
3. Check that the fresh-air intake pressure drop does not exceed 10 Pa (applies only to air-intake duct kit, if installed - See installation manual).
4. Check that the pressure drop in the air outlet ducting does not exceed 90 Pa (Measurement is done with cold air (20°C/ 68°F)).
5. Check that the air inlet screen on the rear of the dryer is not clogged by lint or dust (11.3).
6. Check that the lint screen in the drawer is clean and in good condition (11.5).
7. Check that the secondary lint screen behind the lint drawer has not become blocked with lint or other debris (11.5).
8. Check that the blower compartment and blower wheel have not become blocked with lint or other debris (11.4).
9. Check that the fan wheel is in good condition, and that it is tightly secured to the motor shaft.
10. Check for severely overloaded dryer. Remove some items as appropriate.

Additional check items concerning gas connection:

11. Check that the gas type corresponds with the dryer's data plate.
12. Check gas inlet and nozzle pressures.

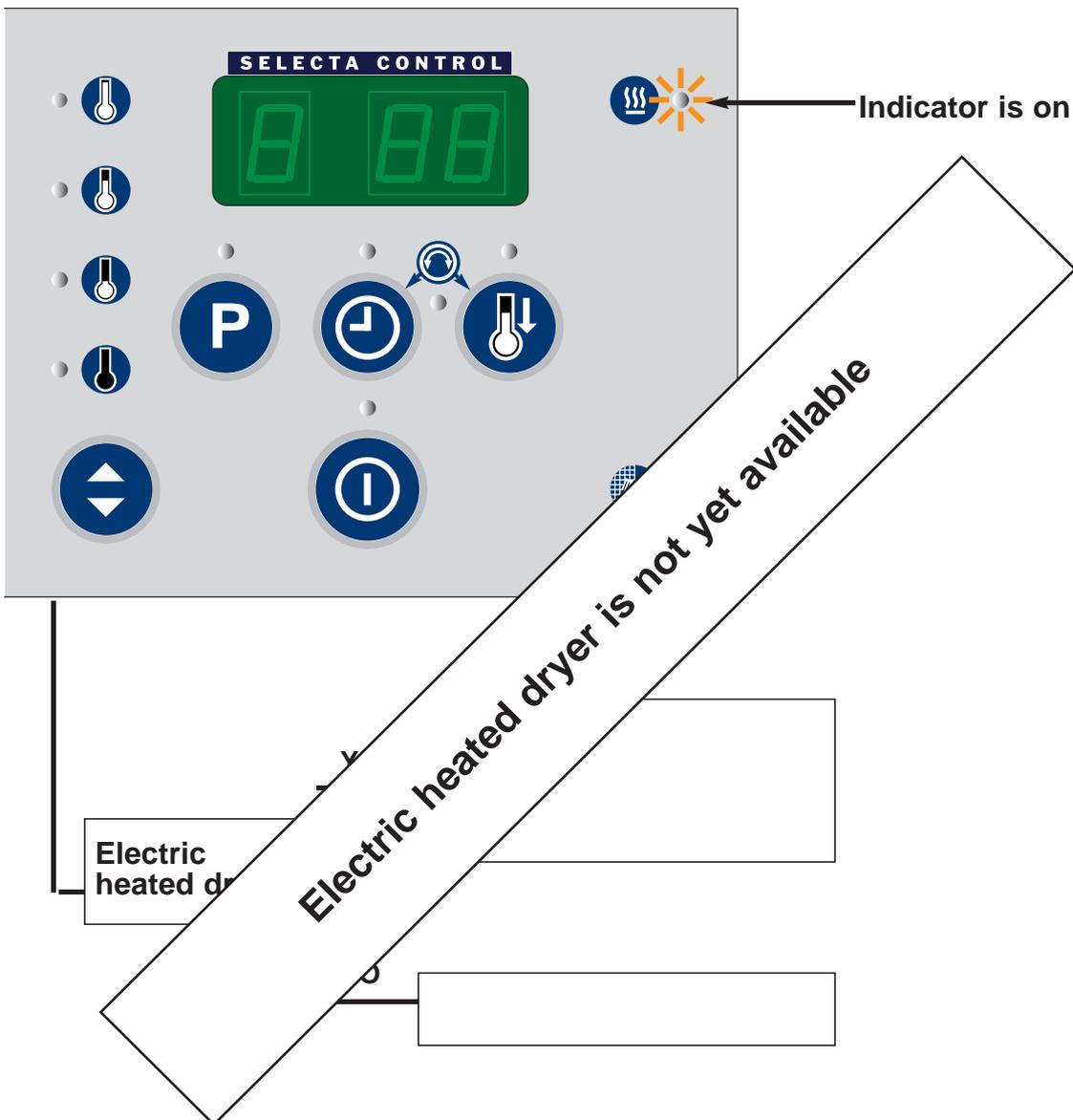
The heating indicator on a electric heated dryer is on

Problem description

The dryer indicates that the heating is on but no heat is given off.

This problem type does not get registered in the error log.

Problem analysis



Error log

All error codes except E 99 are registered in the error log.

Beside error codes E 01 - E 18, there are a number of internal error codes which are not displayed but only registered in the error log.

Error codes in the log that are not on the error code list (E 01-E 18) in this manual should be reported to the manufacturer.

Location of error log

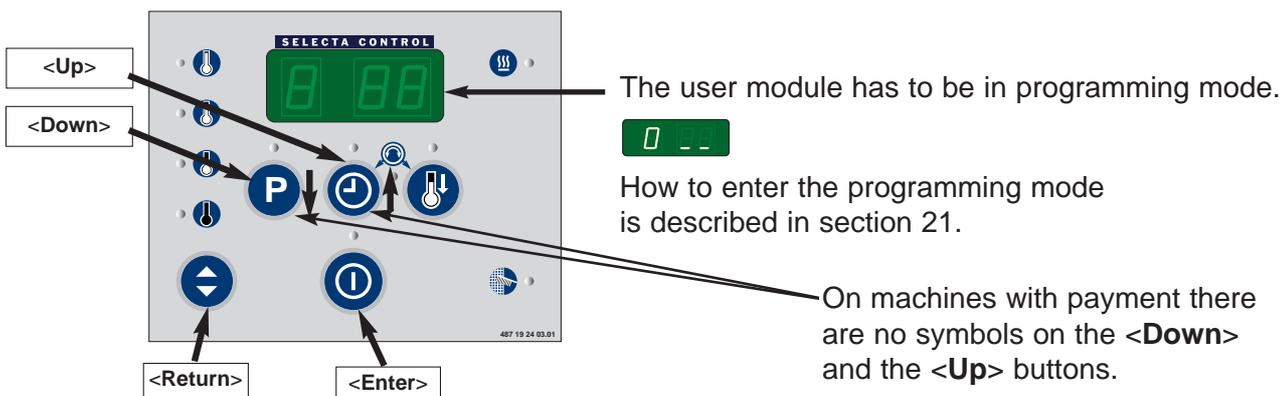
The error log is located in "Area B" in group 3 of the parameter memory.

Error logs

Up to five errors are recorded in the log.

- 3 01** last occurred error.code.
- 3 02** second latest error.code.
- 3 03** third latest error code.
- 3 04** fourth latest error code.
- 3 05** fifth latest error code.

Operating panel function in programming mode



To access "Area B"

To access "Area B" (where parameter group 3 to 9 + group A are located), the passcode "01" must be entered into parameter register 2 01, as follows:

- | | | | | |
|--------------------------|---|-------------------|-------------|---|
| 1. Press <Down> |  | the display reads | 2 _ _ |  |
| 2. Press <Enter> 3 times |  | the display reads | 00 (blinks) |  |
| 3. Press <Up> |  | the display reads | 01 (blinks) |  |
| 4. Press <Enter> |  | the display reads | _ 01 |  |
| 5. Press <Return> twice |  | the display reads | 2 _ _ |  |

You are now in "Area B".

To access Error log

To access the error log the display has to show. 

Then change to **Group 3_ _**:

- | | | | | |
|------------------|---|-----------------------|-------|---|
| 1. Press <Up> |  | the display reads | 3 _ _ |  |
| 2. Press <Enter> |  | the display reads | 3 01 |  |
| 3. Press <Enter> |  | the display reads eg. | _ 08 |  |

The display shows the error code. The following steps show amount of hours.

- | | | | | |
|--------------|---|-------------------|------|---|
| 4. Press <P> |  | the display reads | _ 02 |  |
| 5. Press <P> |  | the display reads | _ 20 |  |

The example shows the latest error code E08 which occurred after 220 hours of operation

Now the second latest error code can be read etc.

- | | | | | |
|-------------------|---|-------------------|-----------|---|
| 6. Press <Return> |  | the display reads | 3 01 |  |
| 7. Press <up> |  | the display reads | 3 02 etc. | |

When the error reading is done move the mode switch back to normal position.

Contents

Control locations, User module circuit board	21.2
Control locations, Control unit with main circuit board	21.3
Replacement of main circuit board	21.4
Programming the dryer	21.5
Connecting accessory systems to the main circuit board	21.6



Circuit boards MUST be protected from static electricity!



Remember!

- Always use an earthed wrist strap.
- Without the antistatic wrapping, the board is unprotected.
- Keep all items that can cause static discharge (such as plastic bags, fabric, and the like) away from the circuit board.
- Items like plastic, foam plastic, nylon, or cellophane wrapping are all big generators of static electricity.
- Static electricity can not be felt, heard or seen till the voltage reaches 2500V.
- Board components can be damaged by static electricity under 100V.

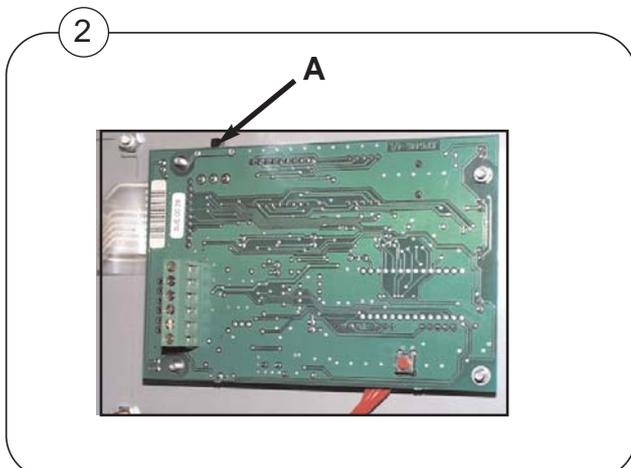
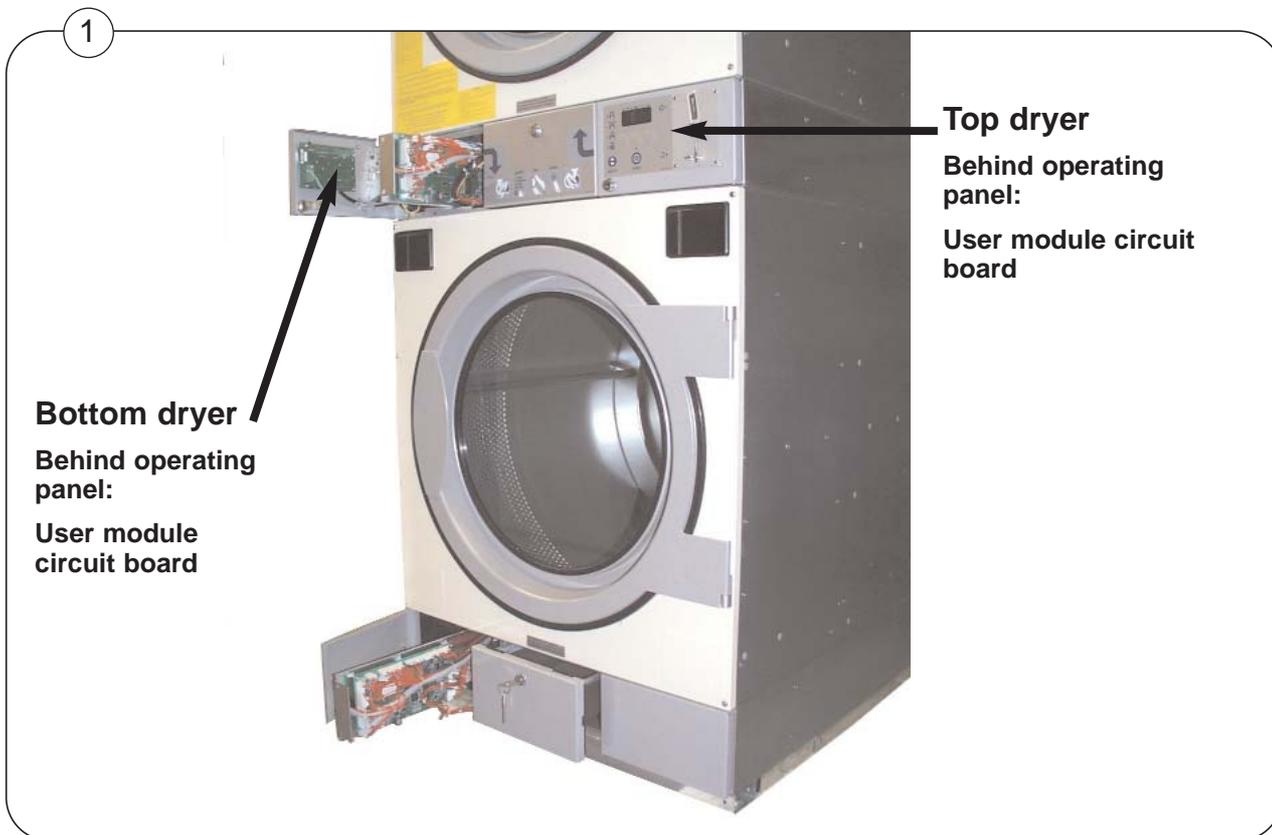
Control locations

User module circuit board

One user module is placed on each hinged door to the left and right side of the top lint drawer, fig. 1.

Each user module contains a circuit board with display, indicator lamps, a connector for the user keypad, and electronics to communicate commands to the main circuit board via a serial interface.

The circuit board also contains a slide switch **A** for changing to programming mode, fig.2.

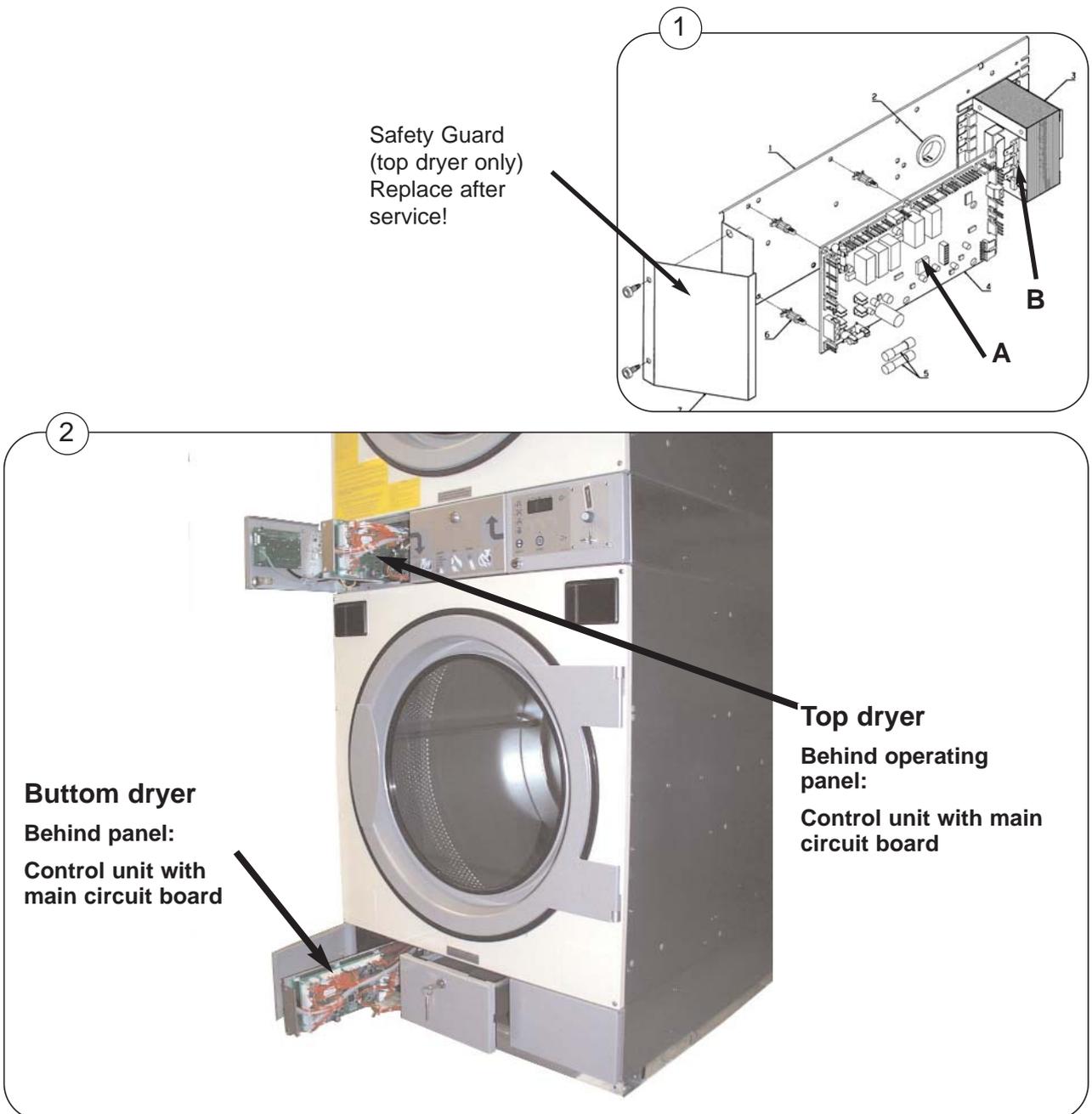


Control locations

Control unit with main circuit board

Control units for top and bottom dryer respectively are placed as shown on fig. 2.

Control unit contains main circuit board **A** and transformer **B**, fig. 1.



Replacement of main circuit board

The main circuit board (Selecta Control) is not serviceable. It must be replaced if it fails.

The main circuit board can be ordered as a spare part.

The spare part consists of: Circuit board with fuses in anti-static packing and instructions.

Follow the instructions when replacing the main circuit board.

The new main circuit board (Selecta Control) is pre-programmed with specific features and may need to be "post-programmed" after installation.

Note! Certain main circuit board parameters need to be set after installation, according to the characteristics of the dryer and the preferences of the owner.

In order to start the programming the programming mode has to be entered, see the following page.

Following settings have to be programmed:

- Heating type (gas, electric, etc).
- Reversing (Yes or No).
- Payment settings (Time per coin, standby display value, display flashing).
- Panel type (OPL or coin).
- Program type (OPL or coin).

The Selecta Control parameter memory is divided into 2 areas

Parameter levels 0 and 1 are owner-accessible registers for setting time and temperature values, and reading operating timers.

2 area names are used in the instruction for the spare part kit and in the installation manual for the Selecta Control both enclosed with the dryer.

Below the area names are briefly explained:

Area A: General user level, eg. the owner or manager.

Area B: Service technicians.

Programming

To enter the programming mode on the user module:

1. Open the operating panel for the top dryer or bottom dryer.
2. **Fig. 1** Move the mode switch on the board into the position indicated by the arrow.
3. **Fig. 2** The display shows **0 _ _** and is ready for programming.

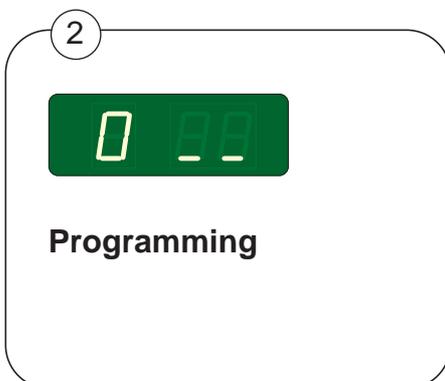
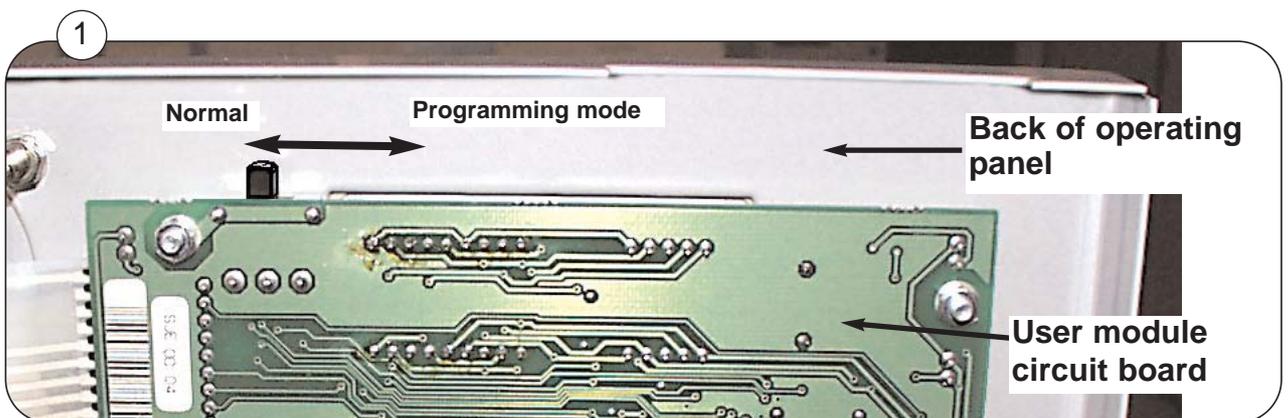
Refer to the Programming Selecta Control - Installation Manual for programming details.

If you make a mistake while programming the dryer move the mode switch back to normal operating mode and start again.

Note! Remember to move the mode switch back to **normal position** after programming.

Function check

Test the dryer, see section 11: **Function check**.



Caution! Static-sensitive components!
Do not touch the circuit board.

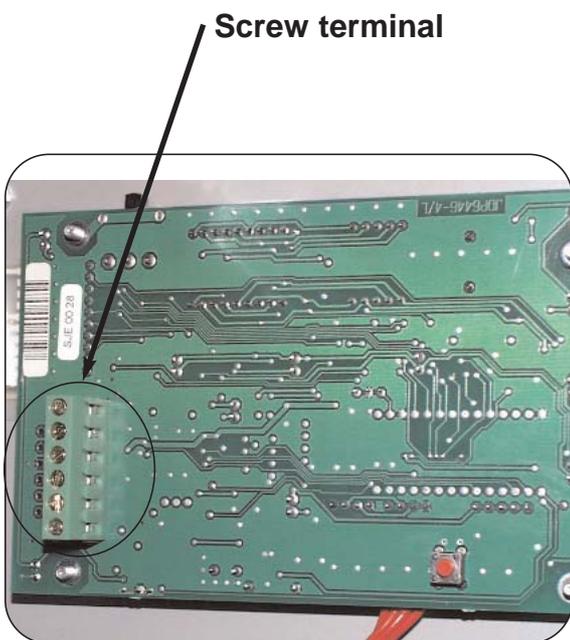
Connecting accessory systems to the main circuit board

Different payment systems can be connected to the user module.

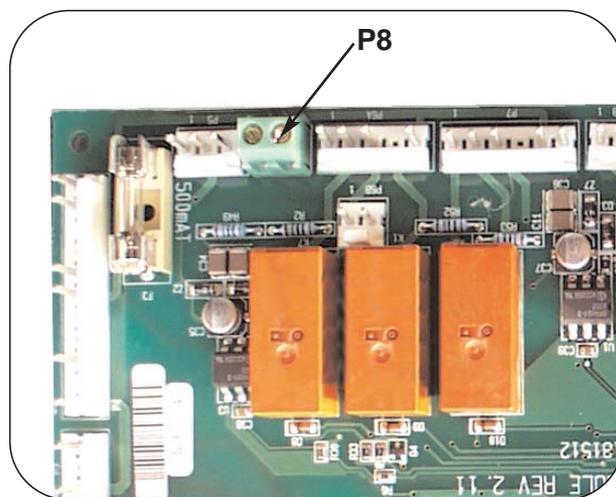
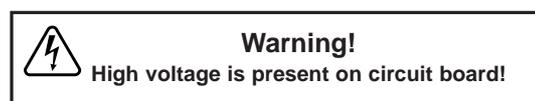
Please see the instructions enclosed with the particular payment system.

Features	User module	Main circuit board
Coin drop	x	
Single System	x	x*
CP time, (external time control)	x	
CP coin, (external payment)	x	
Gateway	x	

* Connected on screw terminal **P8** on main circuit board.



User module



Main circuit board

Contents

Inlet air: Overheating thermostat	27.2
Thermistor element (NTC sensor)	27.3
Outlet air: Overheating thermostat with sensor	27.4
Vacuum shutter and switch	27.6

Inlet air - Overheating thermostat

Function

The inlet overheating thermostat opens in the event of overheating, and shuts off the dryer.

The thermostat opens automatically and has to be reset manually.

Resetting

Fig. 1 The overheating thermostat is located behind the grille near the fresh air inlet.

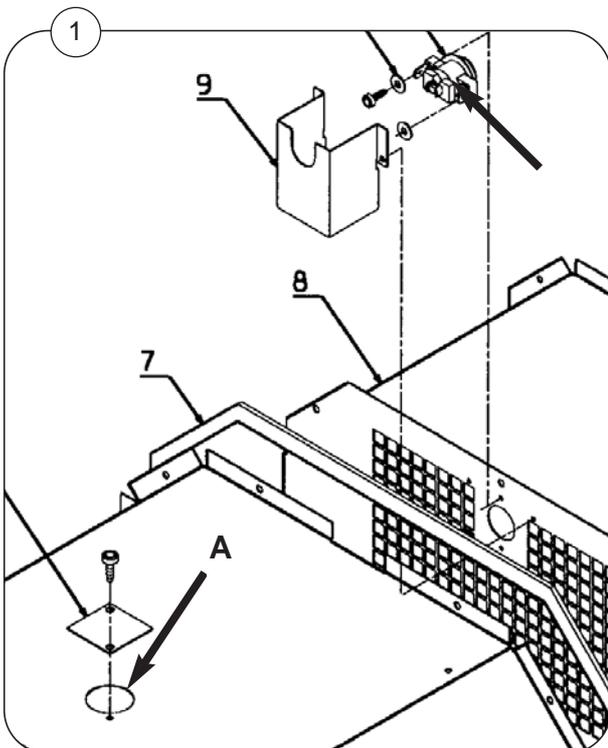
Fig. 2 In order to reset the thermostat, remove the cover plate **A** and reach one finger into hole and depress the reset button on the back of the thermostat.

Error code

The following error code is related to this section.

E08

Refer to section 12 for more information.



Inlet air - Thermistor element (NTC sensor)

Function

The thermistor element measures the temperature of the heated air entering the drum. The resistance of this device is normally 80 to 100 kOhms at 20°C (68°F) and drops as its temperature increases.

The signal is returned to the main circuit board and this ensures that the inlet air does not become excessively hot, thus preventing scorching of garments.

Replacement

The element is located in the heating unit, and is visible from the front of the machine, through the perforations in the rear of the drum.

Fig. 1 and fig. 2 The heating unit can be dismantled for easier replacement of the element.

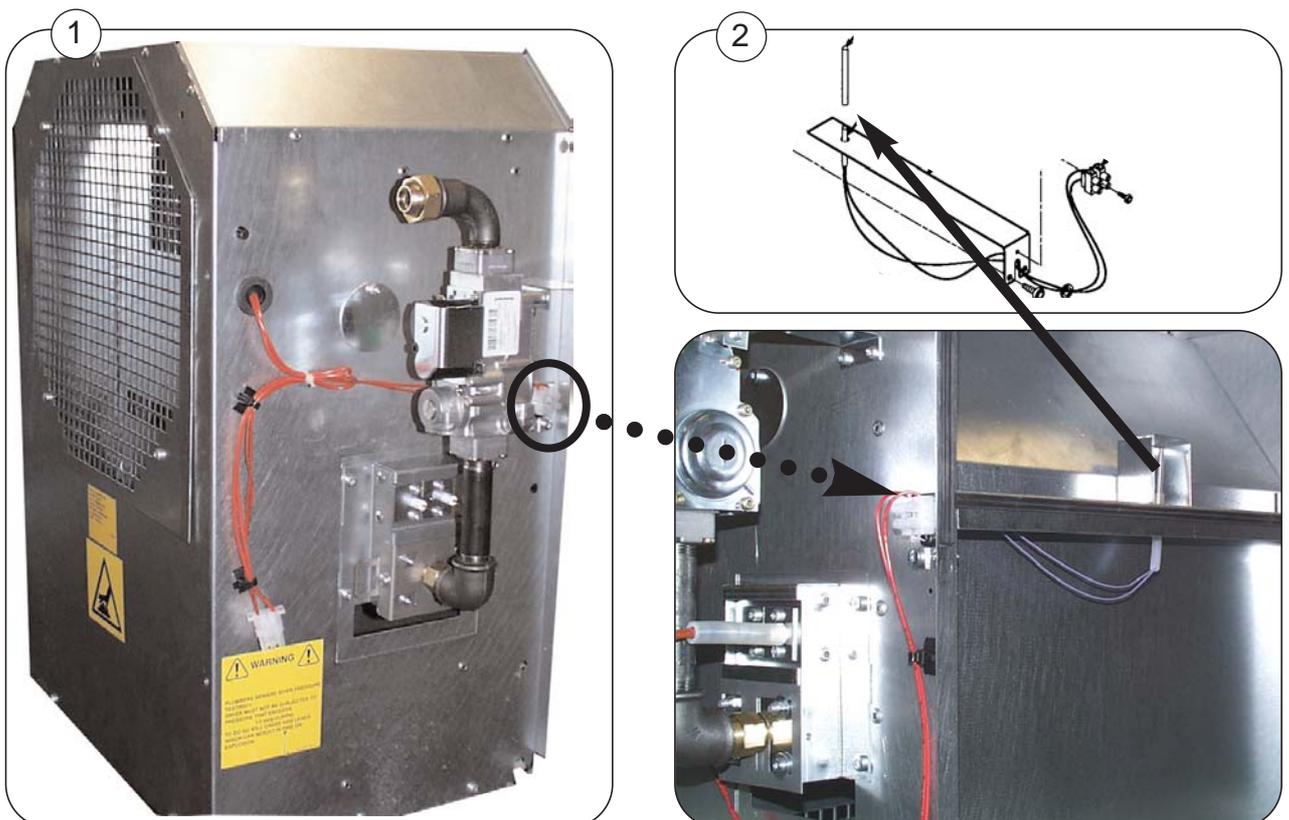
For dismantling the heating unit see section 40: Heating.

Error codes

The following error codes are related to this section.

E01, E03, E17

Refer to section 12 for more information.



Outlet air - Overheating thermostat

Function

The outlet air overheating thermostat is located in the air flow path between the secondary lint screen and the blower.

To access the assembly, remove the blower from the rear of the dryer (see section 30).

The overheating thermostat ensures that the dryer does not overheat during program operation.

The thermostat opens automatically and has to be reset manually.

1. Disconnect the power supply.

After this the thermostat can either be:

Reset from the front of the dryer

2a. Pull out lint drawer **A**.

3a. Dismount grille **B**. The thermostat can now be reset manually by pressing on the tab on the back of the holder.

Reset from the back of the dryer

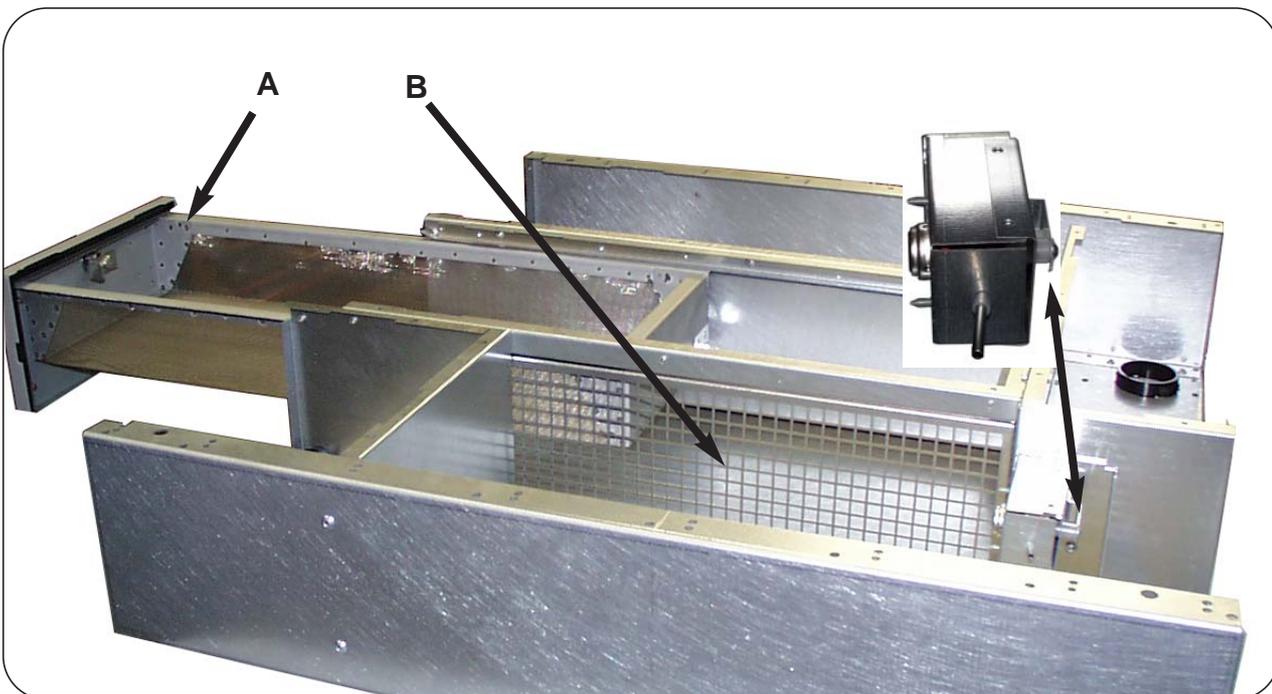
2b. By dismounting the blower assembly the thermostat can be reset.

Error code

The following error code is related to this section.

E08

Refer to section 12 for more information.



Outlet air - Thermistor element (NTC sensor)

Function

The sensor measures the temperature in the outlet air and the signal is returned to the main circuit board.

The main circuit board turns the heating unit off when the outlet air thermistor indicates that the required temperature has been reached.

The resistance of this device is normally 80 to 100 kOhms at 20°C (68F) and it drops as its temperature increases.

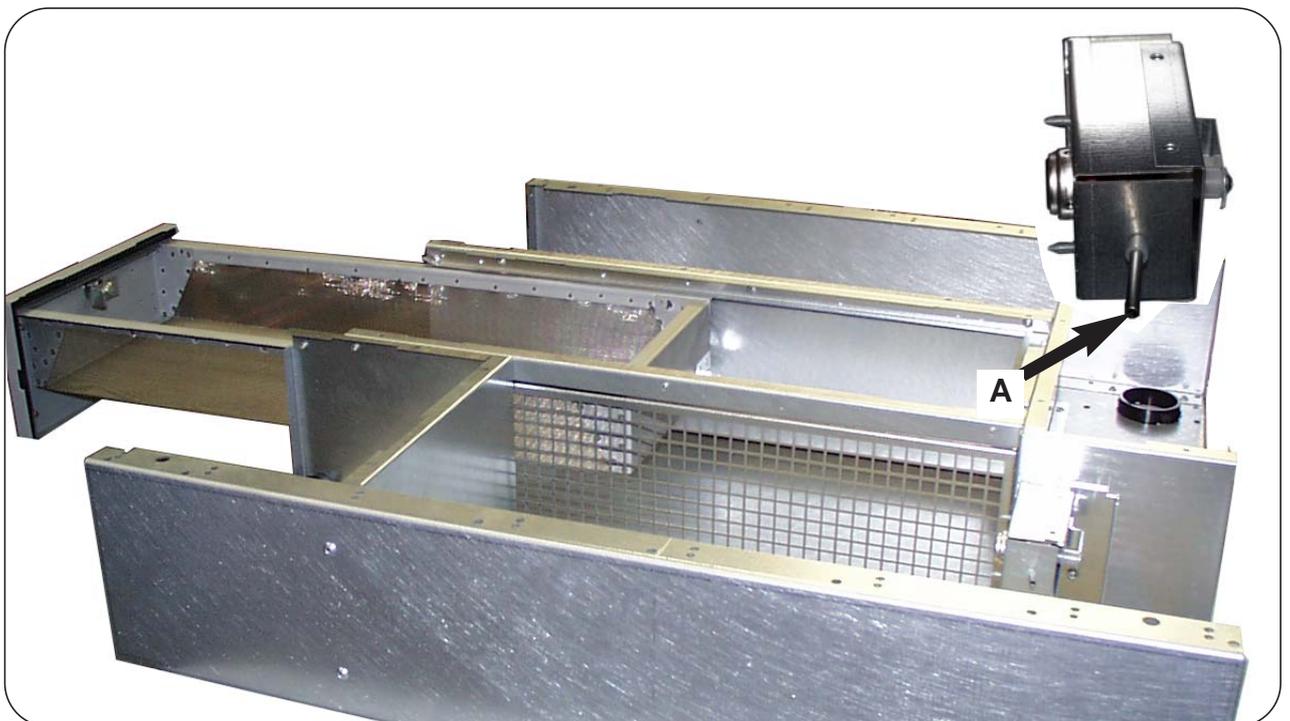
The sensor **A** is mounted on the same bracket as the outlet air overheating thermostat.

Error codes

The following error codes are related to this section.

E02, E04, E18

Refer to section 12 for more information.



Vacuum shutter and switch

Function

The vacuum switch ensures the necessary airflow in the dryer.

Adjustment

The distance from the vacuum shutter plate to the body of the dryer should be approx. 7 mm (1/4 inch).

If the distance is too big, the vacuum shutter may not close properly.

Fig. 1 Vacuum shutter and shutter switch are located behind plate **A**.

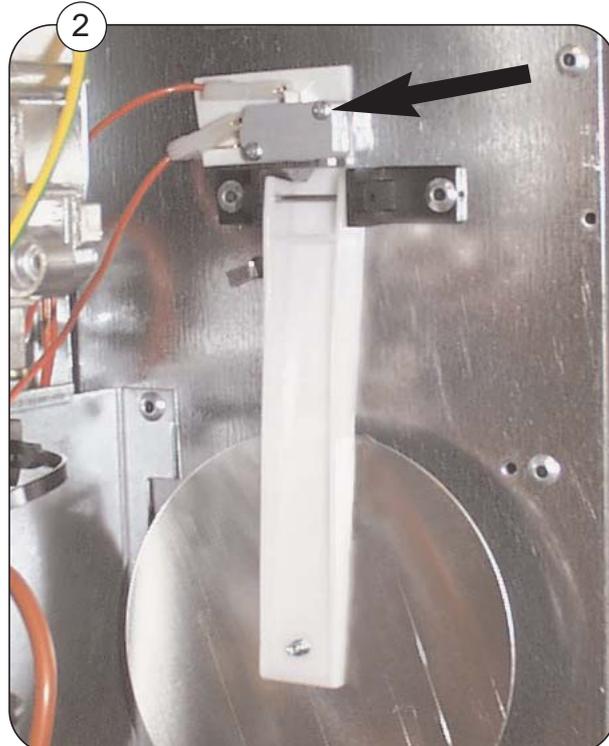
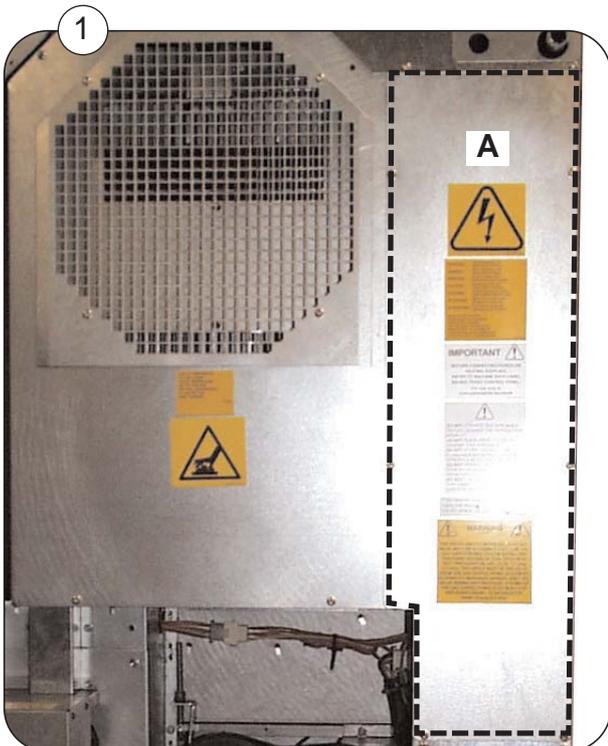
Fig. 2 The top screw on the switch (see arrow) is used for adjusting the vacuum shutter distance from the body of the dryer.

Error codes

The following error codes are related to this section.

E15, E16

Refer to section 12 for more information.



Contents

Loading door switch	29.2
Lint drawer switch	29.3

Loading door switch

A switch is mounted by the dryer door hinge.

The switch ensures that the dryer stops automatically if the loading door is opened during operation.

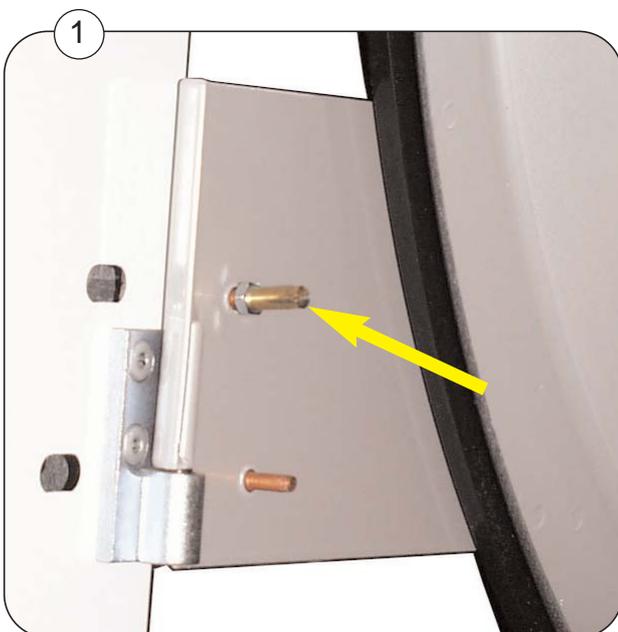
If the dryer does not stop when the loading door is opened, the switch needs replacing.

Replacing the door switch

1. Disconnect the power supply from the dryer.
2. Remove the door and the front panel from the dryer.
3. Disconnect the wires from the door switch.
4. Dismount the door switch.
5. Mount the new switch.
6. Connect the wires.
7. Re-assemble and test the new door switch, as follows:

Testing the door switch

1. Connect the power supply.
2. Start the dryer.
3. Check that the fan, drum rotation and heat all stop when the door is opened max. 10 mm(3/8"). If it is possible to open the door more than 10 mm(3/8") before the dryer shuts off, it is necessary to adjust the activating pin on the door **fig. 1**.



On some models

On some models, the loading door switch alone is connected to P12A on the main circuit board.

On other models, the loading door switch and the lint drawer switch are in series, and the combined circuit is connected to P12A on the main circuit board.

Refer to the wiring diagram included with the machine being serviced to identify the applicable configuration.

Lint drawer switch

Function

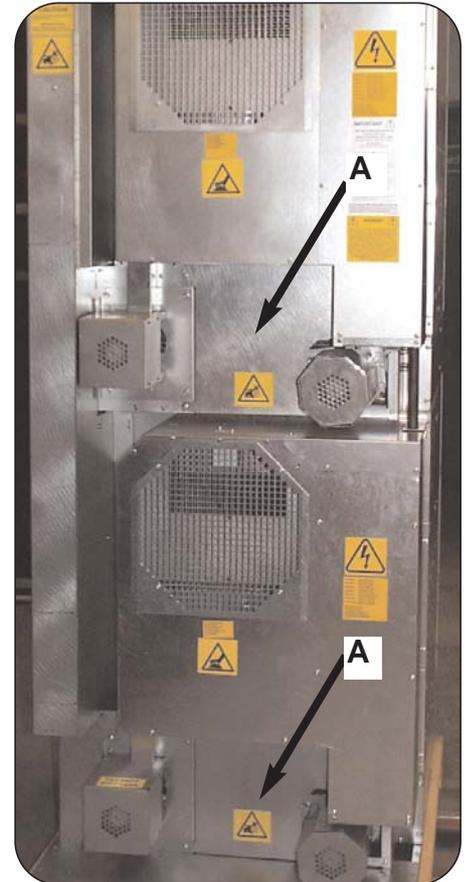
The lint drawer switch ensures that the dryer will not operate when the drawer is open.

If the dryer does not operate with the lint drawer closed and locked, the lint drawer switch may need to be replaced.

Replacement

Replacement of the switch is performed from the back of the dryer,

1. Disconnect the power supply.
2. Remove back panel **A** - depending on whether it is the top dryer or the bottom dryer which is faulty.
3. Unscrew the switch mounting bracket and pull out the bracket with switch.
4. Disconnect the wires from the switch.
5. Mount the new switch on the bracket.
6. Connect wires to the new switch.
7. Remount the bracket with the new switch.
8. Remount back panel **A**.



Testing the lint drawer switch

1. Connect the power supply.
2. Start the dryer.
3. If the dryer does not start when the drawer is closed and the Start button is pressed, check that the tab on the lint drawer is pressing the lever on the lint drawer switch.
4. Confirm that the fan, drum and heat all stop when the lint drawer is opened while the dryer is operating.

On some older models

On some older models, the lint drawer switch is alone connected to P12B on the main circuit board.

On other models, the loading door switch and the lint drawer switch are in series, and the combined circuit is connected to P12A on the main circuit board.

Refer to the wiring diagram included with the machine being serviced to identify the applicable configuration.

Contents

Drum motor , general	30.2
Transmission module	30.2
Dismounting of transmission module	30.3
Replacement of drum motor belt	30.4
Replacement of drum motor	30.5
Replacement of bearings	30.6
Mounting of transmission module	30.7
Blower motor , general	30.8
Blower motor with fan-wheel	30.8
Dismounting of blower motor with fan-wheel	30.9
Replacement of blower motor	30.9
Replacement of fan-wheel	30.9
Mounting of blower motor and fan-wheel	30.10

Drum motor, general

Drum motors are equipped with thermal overheat protection.

If the motor overheats, the control current is switched off and the control displays an error code.

The overheat protection switch inside the motor windings re-closes automatically when the motor cools sufficiently. The dryer can then be re-started.

The drum motor is located at the right-rear of the dryer and is mounted on the transmission support plate.

Motors for reversing (except USA)

On dryers where the drum reverses, the reversing action is controlled by two contactors.

The contactors switch the phase sequence.

The contactors are located inside the control console at the rear of the machine.

Transmission module

The transmission module must be dismantled when repairs are necessary.

Fig. 1 After dismantling, the following parts can be replaced:

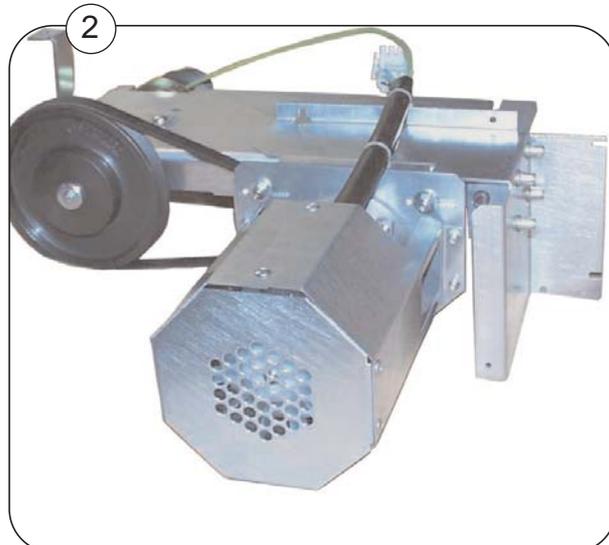
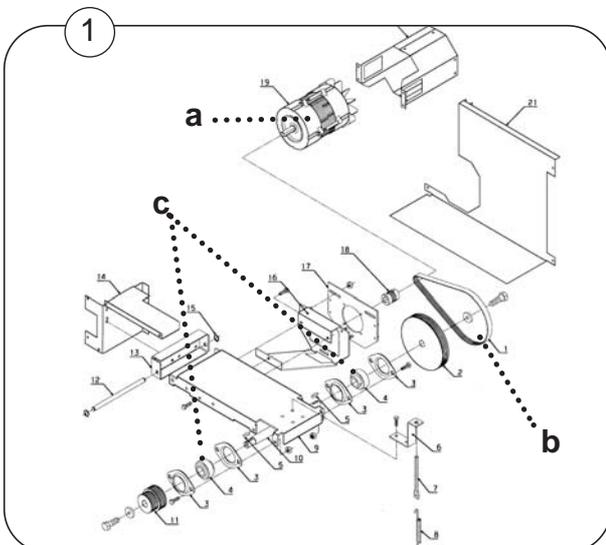
- a. Drum motor.
- b. Transmission belt.
- c. Transmission bearings.

Error code

The following error code is related to this section.

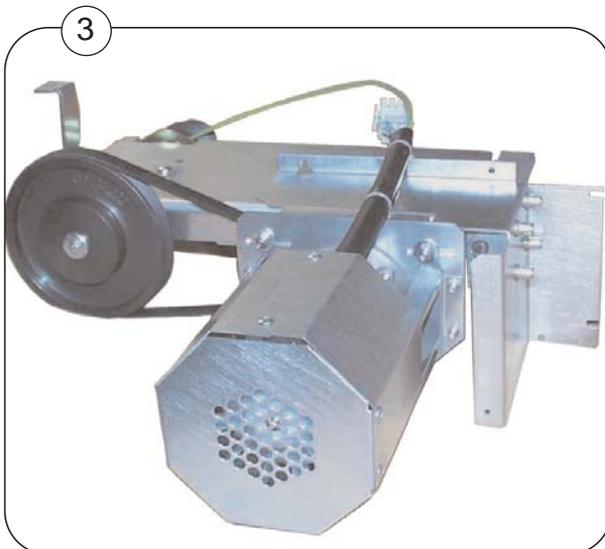
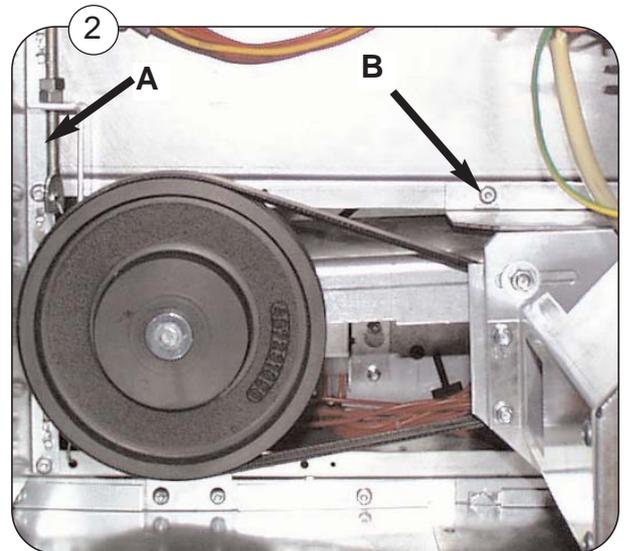
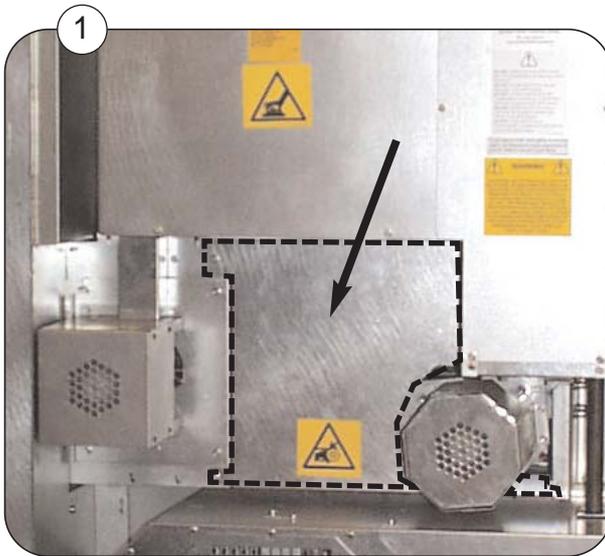
E06

Refer to section 12 for more information.



Dismounting of transmission module

1. Switch off the power to the dryer.
2. **Fig. 1** Remove the back plate, see arrow.
3. **Fig. 2** Remove belt tensioner **A**.
4. Lift the drum belt off the pulley.
5. Disconnect the motor plug.
6. Remove screws **B** along the edge (5 pcs).
7. **Fig. 3** Lift off the transmission module.

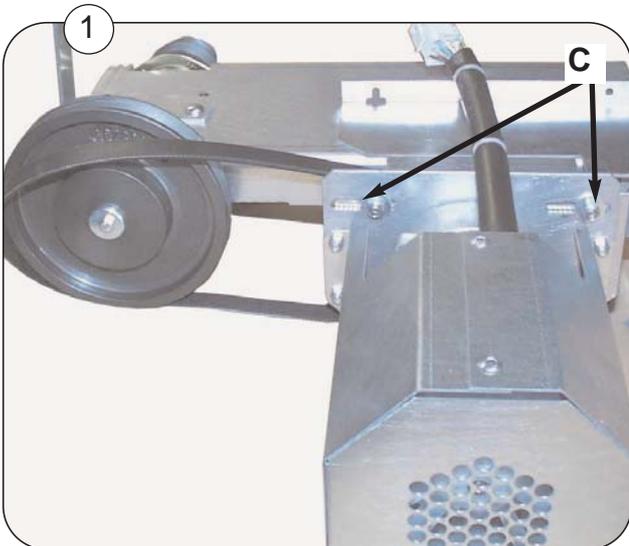


Replacement of drum motor belt

Dismount the transmission module, see section: **Dismounting of transmission module**.

1. **Fig. 1** Loosen 3 screws **C**; please note that the third screw is underneath the module.
2. Replace the belt.
3. Pull the motor pulley and transmission pulley apart, until the belt is tight.
4. Tighten the screws.

After **Replacement of drum motor belt**,
see section: **Mounting of transmission module**.



Replacement of drum motor

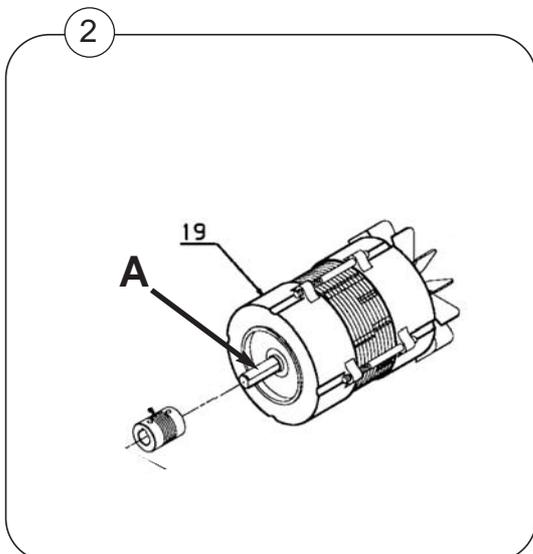
Dismount the transmission module, see section: **Dismounting of transmission module.**

1. **Fig. 1** Dismount the motor's cooling fan housing.
2. **Fig. 1** Dismount the motor and remove the pulley from the motor shaft (for reuse).

On the new motor

3. **Fig. 2** Lube the shaft at the motor **A** with anti-fretting paste.
4. Fit the pulley to the shaft and seal the pointed screws with a screw protection product such as Omnifit Seal 40M or similar quality.
5. Mount the new motor on the transmission module (check the motor data plate for proper voltage and speed as compared to the old motor).
6. Mount the cooling fan housing.

After **Replacement of drum motor**
see section **Mounting of transmission module.**

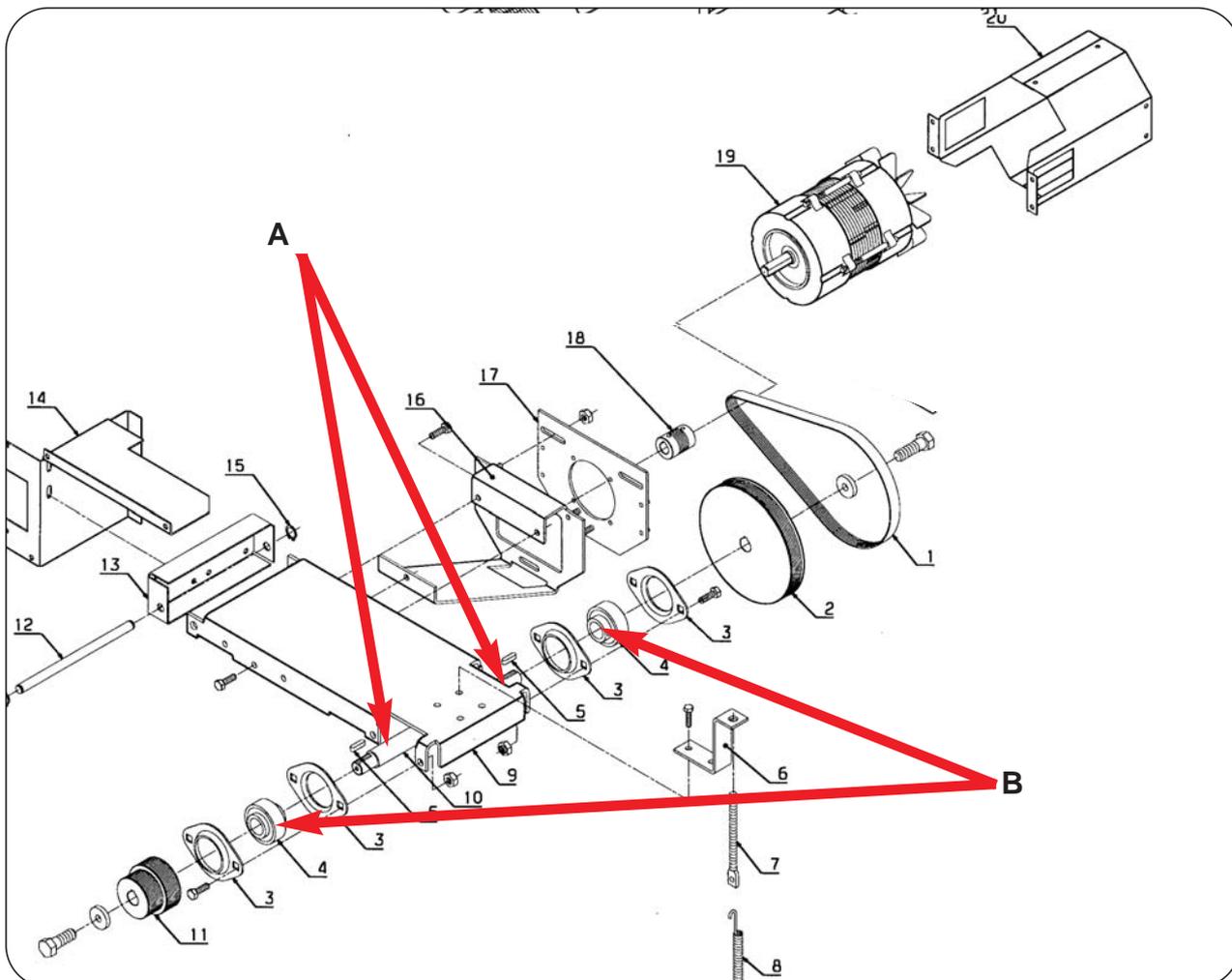


Replacement of bearings

Dismount the transmission module, see section: **Dismounting of transmission module**.

1. Remove the defective ball bearings.
2. Lubricate shaft **A** under the bearings with anti-fretting paste.
3. Fit the new ball bearings **B**. Fasten pointed screws at 5 Nm(44.2 in-lbs).
4. Seal with a screw protection product such as Omnifit Seal 40M or similar quality.
5. Fit the transmission pulley (lubricate shaft with anti-fretting paste).
6. Mount the drum motor belt, see section: **Replacement of drum motor belt**.

After **Replacement of bearings**
see section: **Mounting of transmission module**.

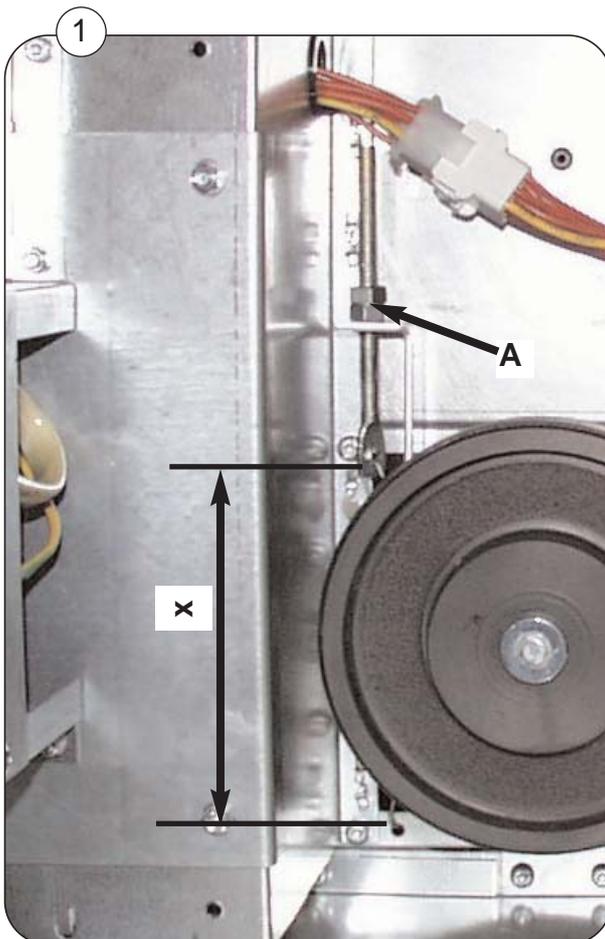


Mounting of transmission module

1. Mount the module with the five screws removed earlier.
2. Fit the drum belt onto the transmission pulley.
NOTE! It is important to fit the belt at the right place on the pulley.
The small diameter of the pulley is used for **60 Hz**.
The large diameter of the pulley is used for **50 Hz**.
3. **Fig. 1** Fit belt tensioner and tighten until the spring has a length **x** of $130\text{ mm}\pm 5$ ($5\text{ inches}\pm 3/16\text{ inch}$).
4. Assemble the dryer.
5. Switch on the power.

Function check

Test the dryer see section 11: **Function check**.



Blower motor, general

The blower motor features a thermal overheat protection device.

If the motor overheats, the control current is switched off and the control displays an error code.

The overheat protection switch inside the motor windings re-closes automatically when the motor cools sufficiently.

The dryer can then be re-started.

The fan wheel is fitted directly on the blower motor shaft.

Dismount the blower motor together with the fan wheel.

Blower motor with fan wheel

Fig. 1 After dismounting, it is possible to replace:

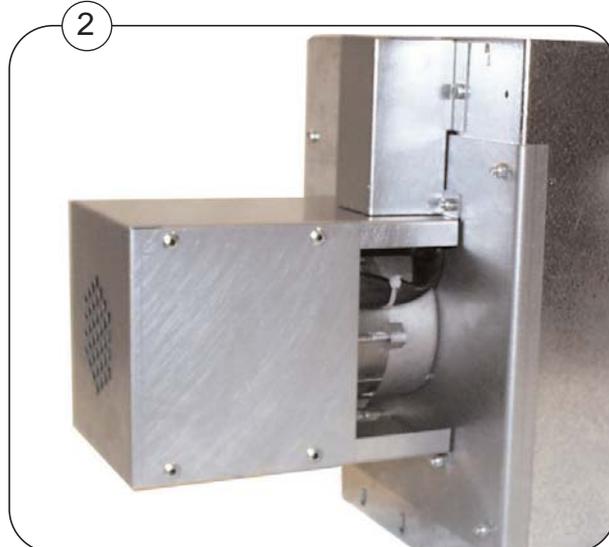
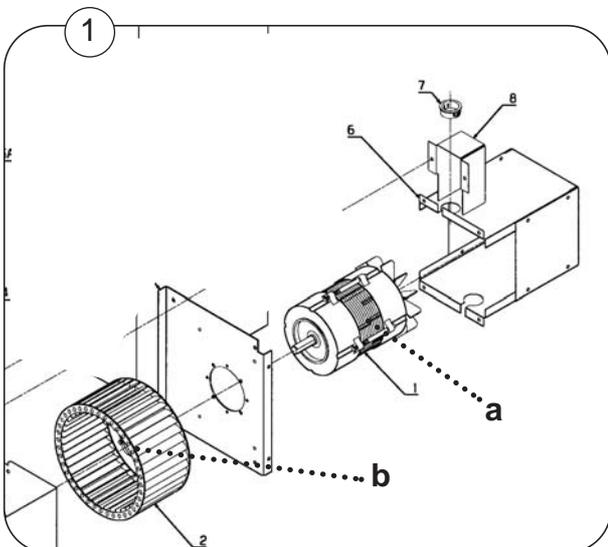
- a Blower motor.
- b Fan wheel.

Error code

The following error code is related to this section.

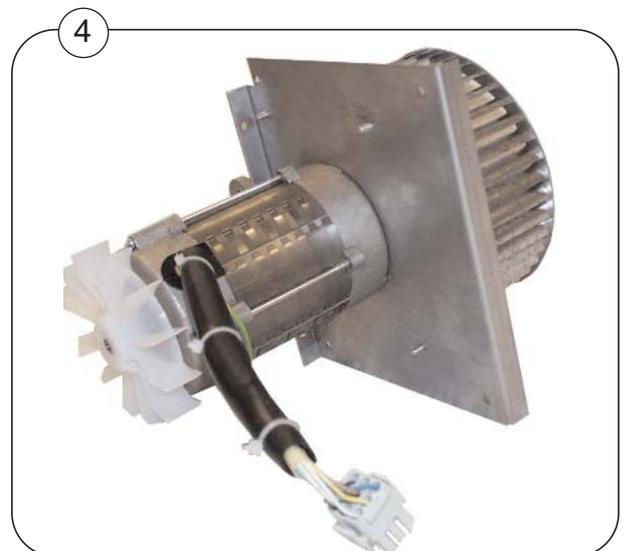
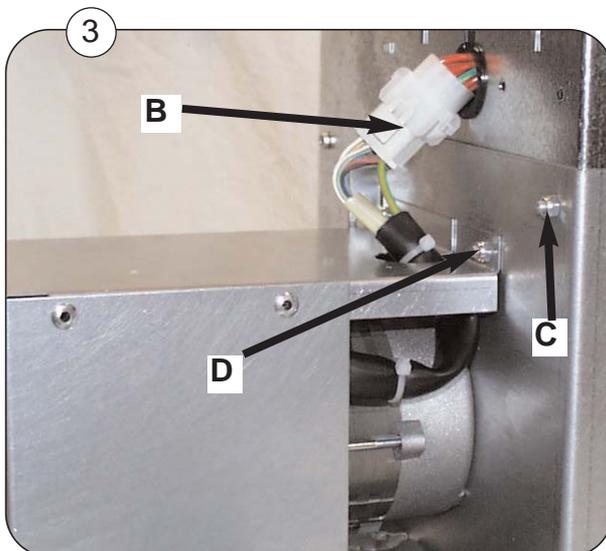
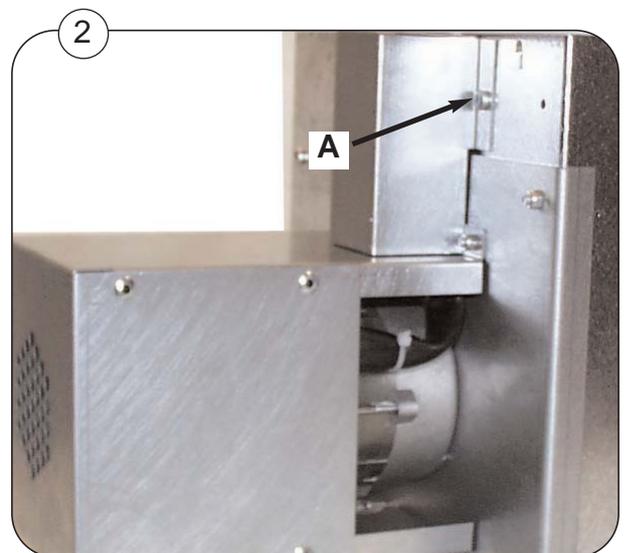
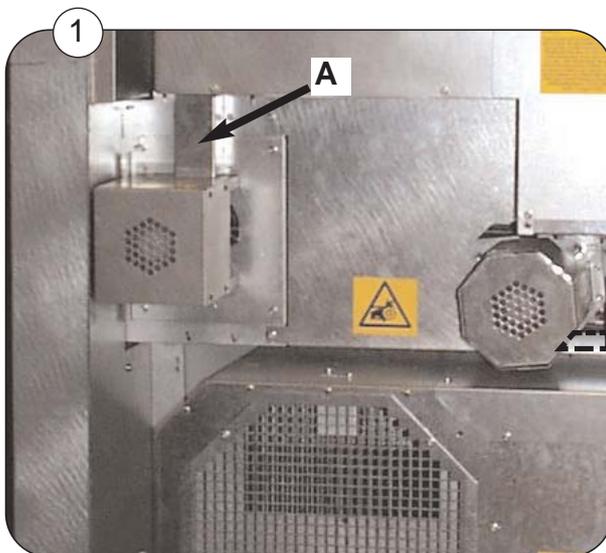
E05

Refer to section 12 for more information.



Dismounting of blower motor with fan wheel

1. Switch off the power to the dryer.
2. **Fig. 1 and 2** Remove the connector cover **A**.
3. **Fig. 3** Unplug the blower motor **B**.
4. **Fig. 3** Remove the four "Nylock" nuts **C** that secure the blower motor mounting plate to the dryer and remove the blower motor and fan-wheel assembly.
5. **Fig. 4** The blower motor module.
6. Following can be replaced:
 - The motor can be replaced when the cooling fan cover is removed **D**.
 - The fan-wheel can be replaced.



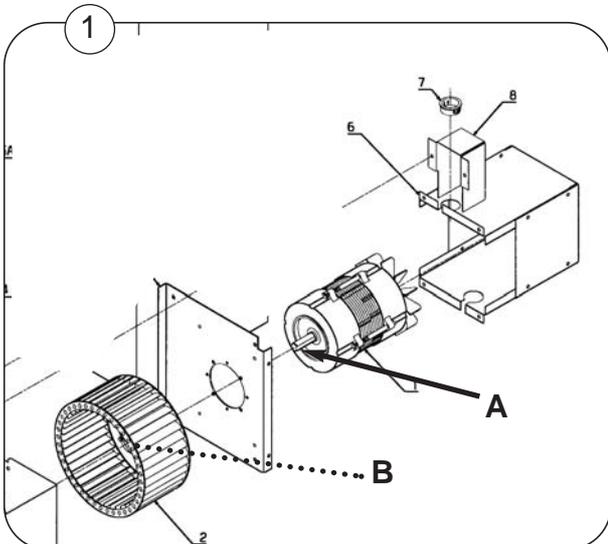
Mounting of blower motor with fan wheel

After replacement of blower motor / fan-wheel

1. Lubricate the motor shaft **A** with anti-fretting paste.
2. Place the mounting plate over the motor shaft, taking care to orient it properly for re-assembly to the dryer. Protect the screws with Omnifit Seal 40M.
3. Fit fan wheel **B** and protect the pointed screw of the fan wheel with Omnifit Seal 40M or similar quality.
4. Re-install blower and fan-wheel in the reverse order. See dismantling of blower motor with fan-wheel.
5. Assemble the dryer.
6. Switch on power to the dryer and test.

Function check

Test the dryer, see section 11: **Function check**.



Contents

Dismounting of the gas heating unit	40.2
Replacement of gas burner tube	40.5
Adjustment of ignition electrode	40.6
Replacement of gasvalve	40.7
Re-mounting the gas heating unit	40.8
Resetting gas error	40.9
Conversion to another type of gas	40.10

Dismounting of the gas heating unit

Description

The heating unit contains the gas burner, the gas valve and a nozzle.

The unit is located at the back of the dryer.

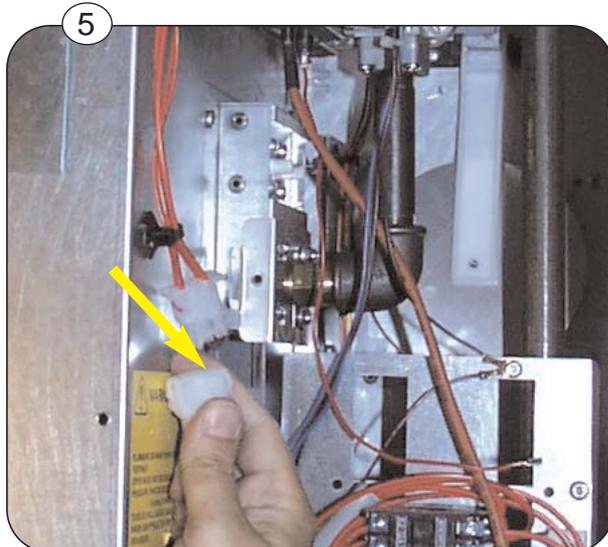
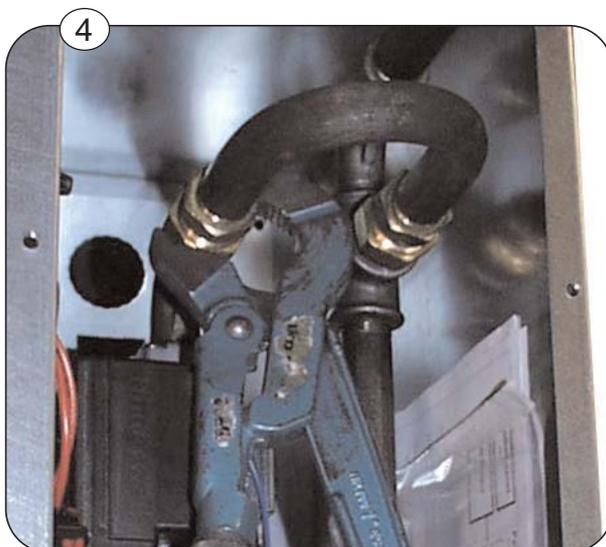
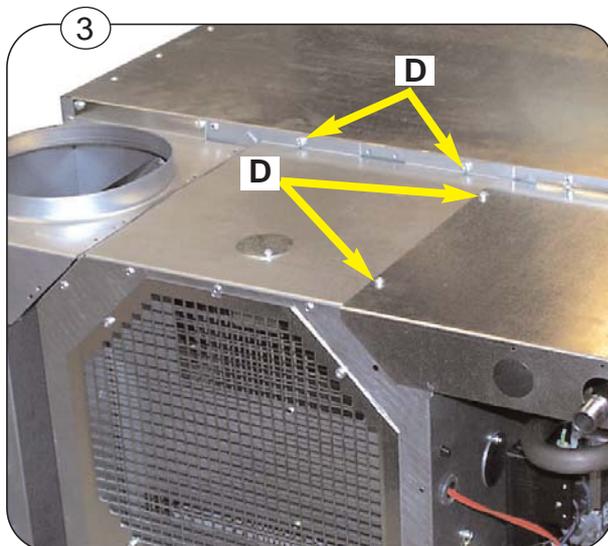
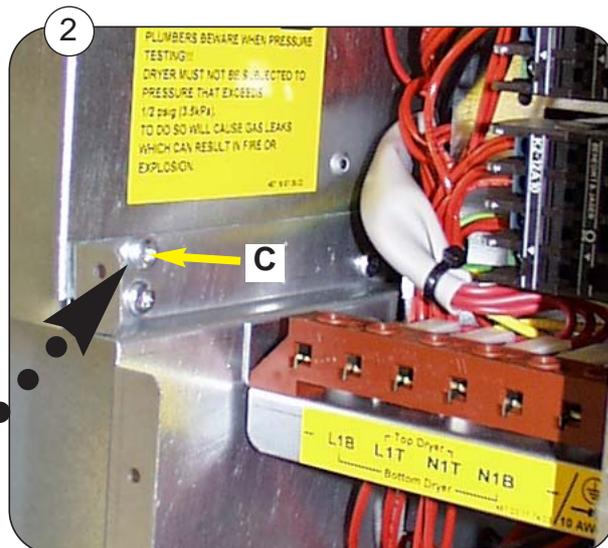
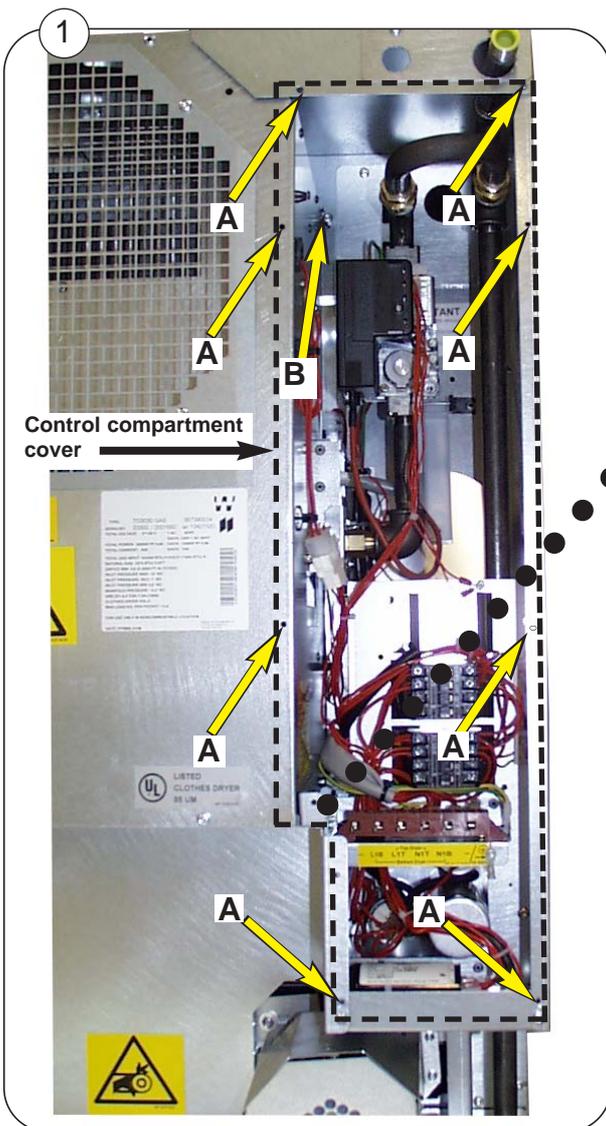
Dismounting

1. Shut off the manual gas valve.
2. Disconnect the electrical power supply.

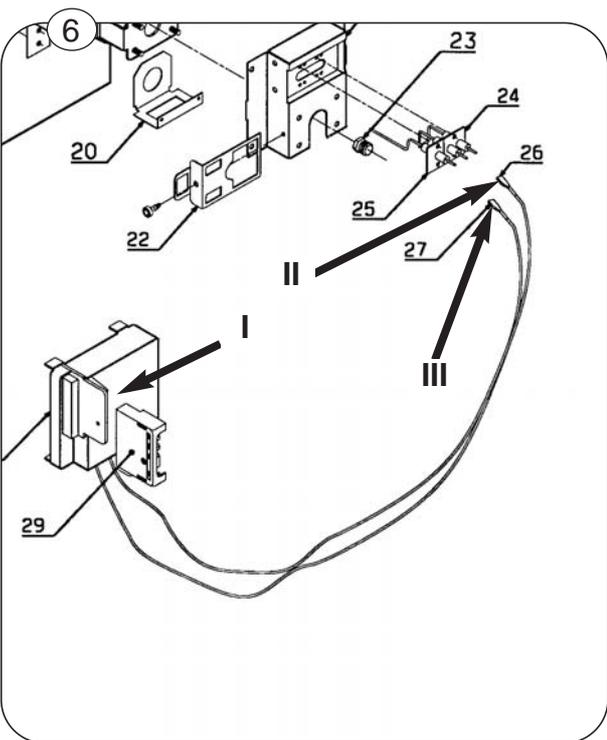
In order to release the unit from the dryer: Referring to pictures following pages.

3. **Fig. 1** Remove the 8 screws **A** which secure the control compartment cover and then remove the cover. Loosen screw **B** which secure the unit to the dryer.
4. **Fig. 2** Remove screw **C** in the connection unit console.
5. **Fig. 3** Remove 4 screws **D** at the top of the unit.
6. **Fig. 4** Disconnect the gas pipe union.
7. **Fig. 5** Disconnect the temperature sensor plug.
8. **Fig. 6** Dismount the gas control box **I**, disconnect the ignition cable **II** and flame sensor wire **III**.
9. **Fig. 7** The heating unit can now be lifted off of the machine.

Dismounting of the heating unit



Dismounting of the heating unit

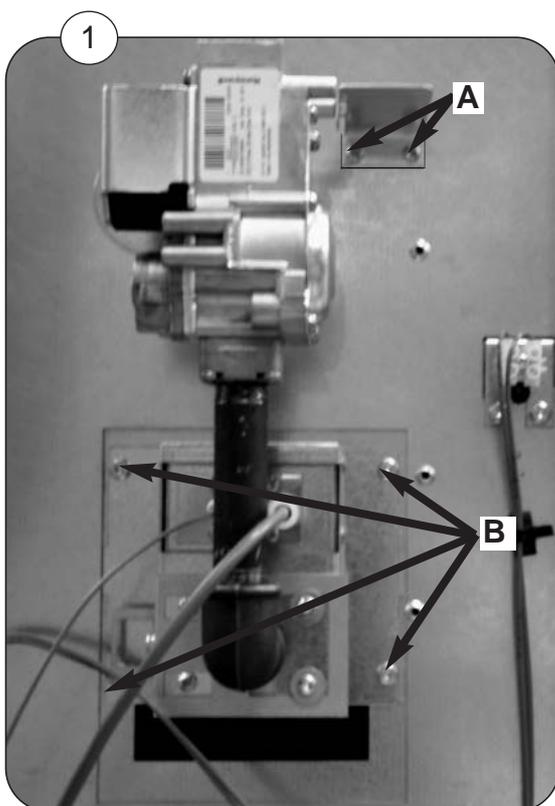


Replacement of gas burner tube

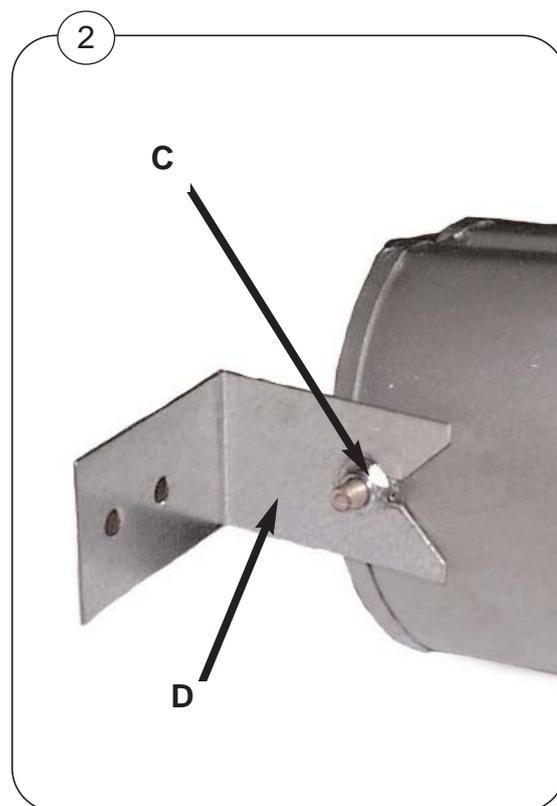
When the gas heating unit is dismantled it is possible to replace the gas burner tube.

Dismount gas pipe with gas valve.

1. Fig. 1 Remove screws **A** in holder.
2. Fig. 1 Remove screws **B** in screening.
3. Lift gas burner tube with gas valve, gas pipe and screening with holder out of the heating unit.
4. Dismount nozzle lock plate, air flow reducing plate, holder with electrode fitted and remove the burner tube.
5. Fig. 2 Remove nut **C** on the old burner and screw it onto the new one. Don't screw it all the way in, but leave room for fitting **D**.
6. Fig. 2 Install the new burner tube. The burner is mounted correctly when it is controlled by fitting **D**.
7. Mount all the parts from step 4 the way they were mounted before.
8. Mount screws **B** and **A**.



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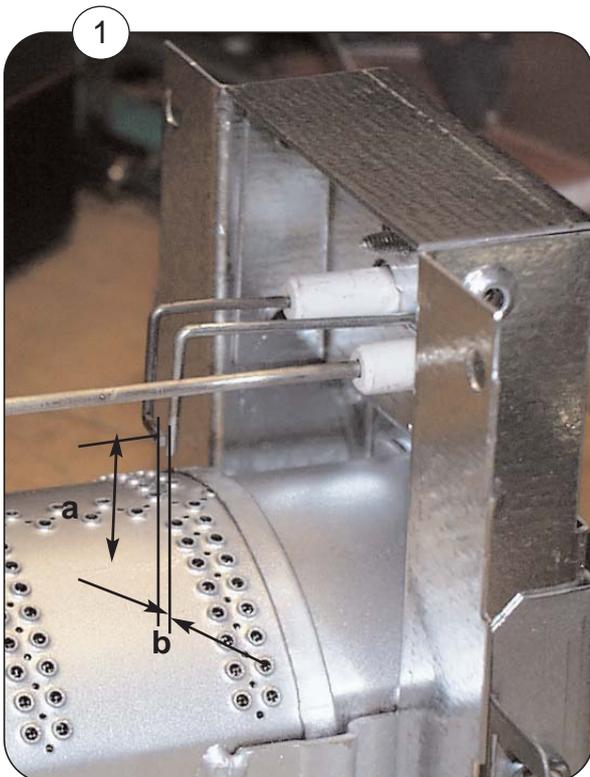


Adjustment of ignition electrode

Fig. 1 Illustrates proper ignition electrode adjustment.

Dimension a: The distance from the electrode to the burner tube **a** must be 5 mm (13/64 inch).

Dimension b: The spark gap **b** must be 3 mm (1/8 inch).



Replacement of gas valve

When the gas heating unit is dismantled it is possible to replace the gas valve.

1. **Fig. 1** Unscrew screw **A** from the control box.
2. Pull the control box out of the valve.
3. Unscrew the four screws **B** in each of the 2 flanges.
4. Replace the valve.
5. **Fig. 2** Make sure that the O-rings **C** in both flanges are intact and placed as shown below.
6. Screw the screws back into the flanges. Remember to tighten the screws diagonally.
7. Push the control box back into place. Be careful not to bend the terminals.
8. Install the controlbox retaining screw removed in step 1.

Testing for leaks

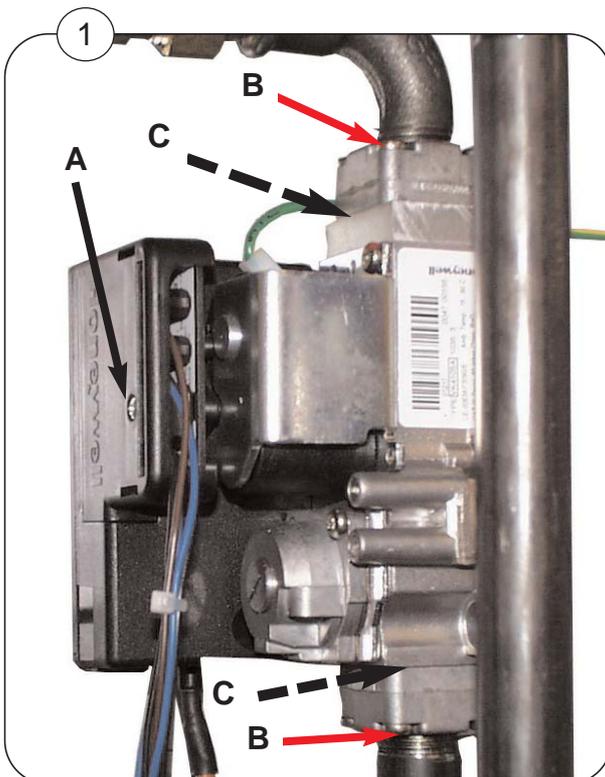
If the replacement has taken place without the gas heating unit being demounted all the joints which were taken apart have to be leak tested.

Use approved leak testing materials and techniques.

Adjusting the gas valve

The new gas valve has to match the machine.

Re. adjustment see section 47.



Re-mounting of the gas heating unit

1. Reinstall the gas valve and nozzle pipe with nozzle onto the gas heating unit.

The following refers to the pictures in the section "Dismounting of the heating unit"

2. **Fig.7** Mount the gas heating unit assembly onto the dryer, replacing all screws removed earlier.
3. **Fig. 6** Reconnect the ignition and sensor cables.
4. **Fig. 5** Reconnect the gas union.
5. **Fig. 4** Tighten this fitting securely.
6. Re-connect the temperature sensor plug.
7. After re-installing the burner assembly, all the joints which were taken apart need leak testing. Use approved materials and techniques for leak testing.
8. **Fig. 1-3** Install the control compartment cover.

Test run

1. Turn on the manual gas valve
2. Switch on power to the dryer and test.

Resetting gas error

When the ignition control fails to detect a flame, a signal is sent to the main circuit board, and error code E14 is displayed.

When this condition occurs, the gas valve is shut off and the ignition control must be reset manually.

Resetting

Fig. 1 Open the operating panel and press the gas reset button on the back of the user module board for one second.

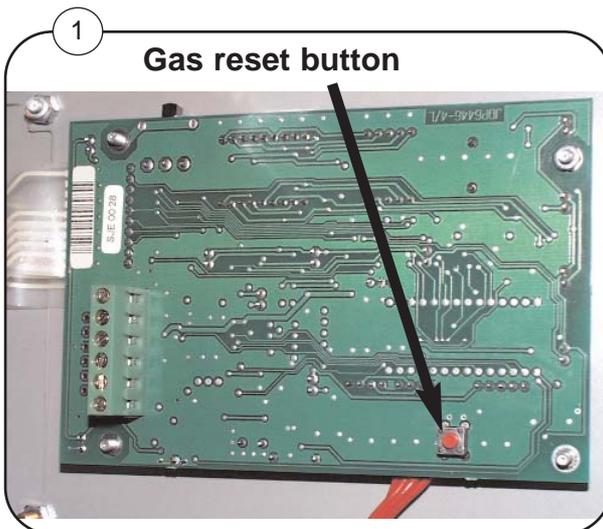
NOTE! When resetting the system the dryer **must** operate on a program with heat and when the heat indicator is on.

Error code

Error code 14 is a normal occurrence when first starting up a dryer, since air in the gas line must be purged.

If the problem persists, refer to **Error code 14** in this manual.

Refer to section 12 for more information.



Conversion to another type of gas

The standard configuration is equipped for natural gas.

If the machine is to be converted to another type of gas, the gas nozzle must be replaced.

The current nozzle can be ordered separately in a conversion kit. Referring to the Installations manual supplied with the dryer.

The conversion kit contains 2 nozzles as well as instructions.

Contents

Dismounting of drum	42.2
Replacement of drum belt	42.2
Mounting of drum	42.4
Replacement of support rollers	42.6

Dismounting of drum / replacement of drum belt

At the back of the dryer, loosen the belt as follows:

1. Disconnect the power to the dryer.
2. **Fig. 1** Remove the back plate.
3. **Fig. 2** Loosen the screw at the belt tensioner.
4. **Fig. 3** Remove plate **A** at the top to gain access to the belt around the drum; lift the belt off the drum and pull it backwards.

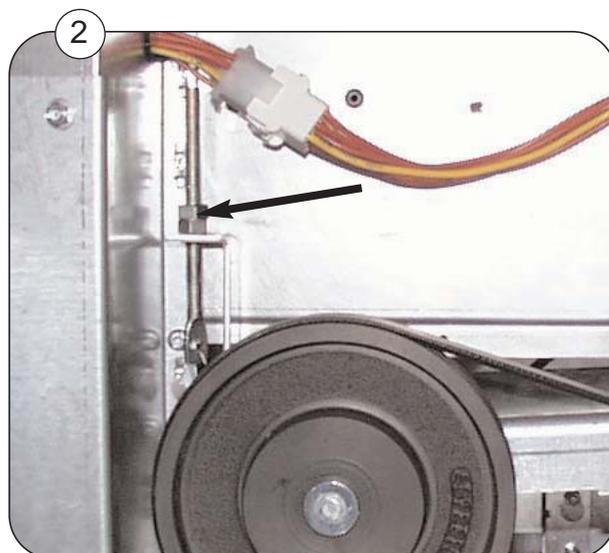
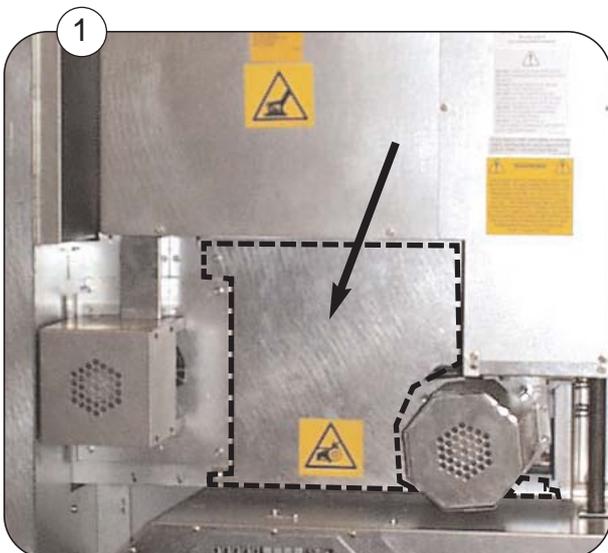
At the front of the dryer, remove the drum as follows:

1. Remove the top door hinge.
2. Lift the door off the bottom hinge; remove the bottom hinge.
3. Remove the screws that hold the front panel on the dryer and remove the panel.
4. Unscrew the 3 screws at the bearing cover and remove the bearing cover at the rear of the drum.
5. **Fig. 4** Unscrew and remove bolt and washer from the main drum bearing.
6. **Fig. 5** Pull out the drum.

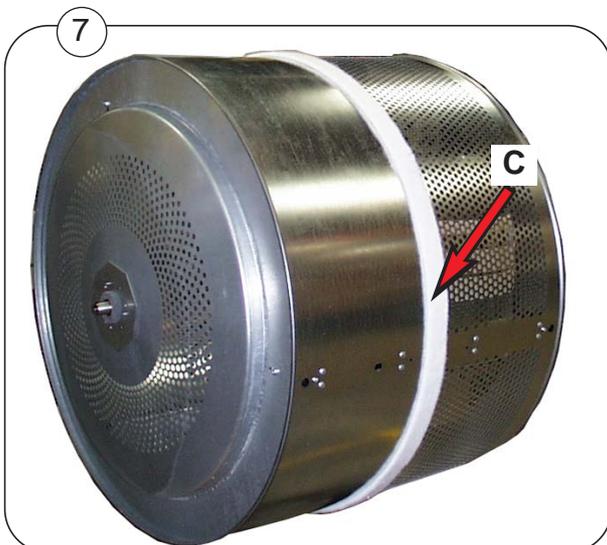
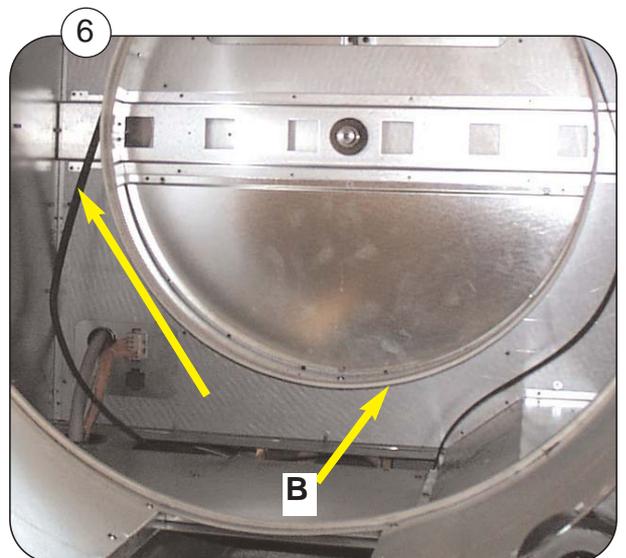
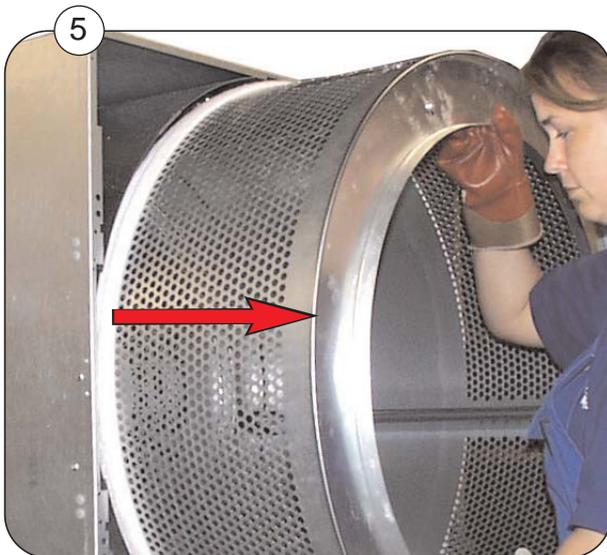
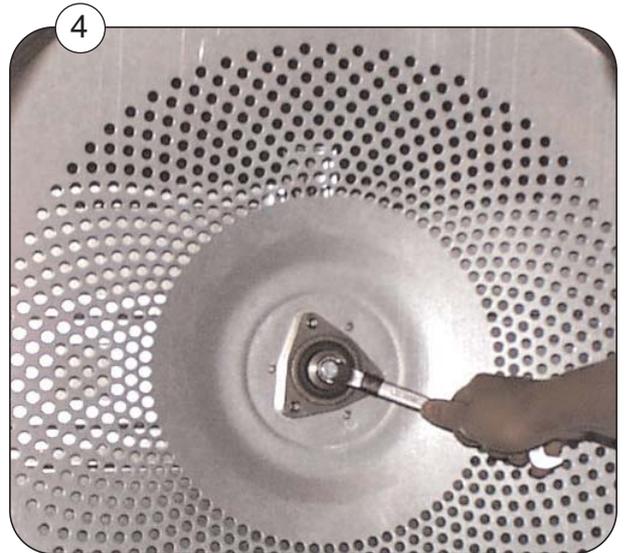
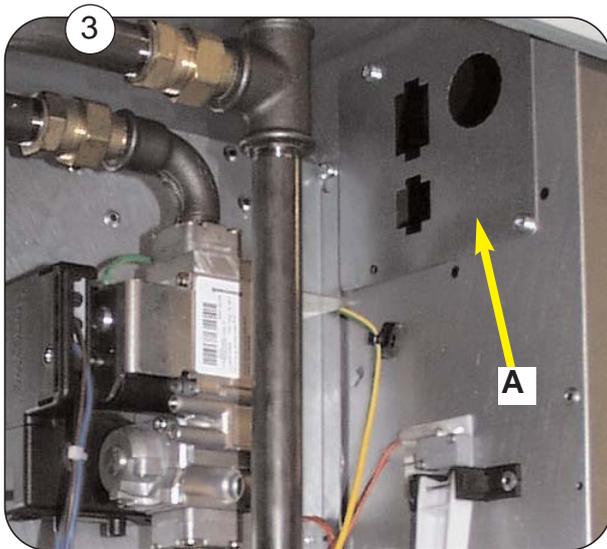
Replacement of belt

1. Remove belt, if defective.
2. **Fig. 6** Hang the new belt on the felt seal flange at the back of the drum compartment.
Also inspect the felt seal on the flange at the back of the drum compartment (Fig 6, **B**). Replace the seal if necessary.
3. **Fig. 7** Inspect the felt seal on the drum **C** and, if necessary, remove and replace it.
Clean any residual adhesive from the drum before installing a new felt seal.

Referring to the pictures next pages.



Dismounting of drum / replacement of drum belt



Mounting of drum

At the front of the dryer, mount the new drum as follows:

1. **Fig. 1** Carefully push the new drum into the dryer.
Be careful not to damage the felt seal on the drum.
2. **Fig. 2** Reinstall the bolt and washer into the drum bearing. Tighten the bolt to 20 Nm (15 ft-lbs).
3. **Fig 3** Reinstall the bearing cover **A** and mount the 3 screws **B**.

At the back of the dryer, guide the belt onto the drum as follows:

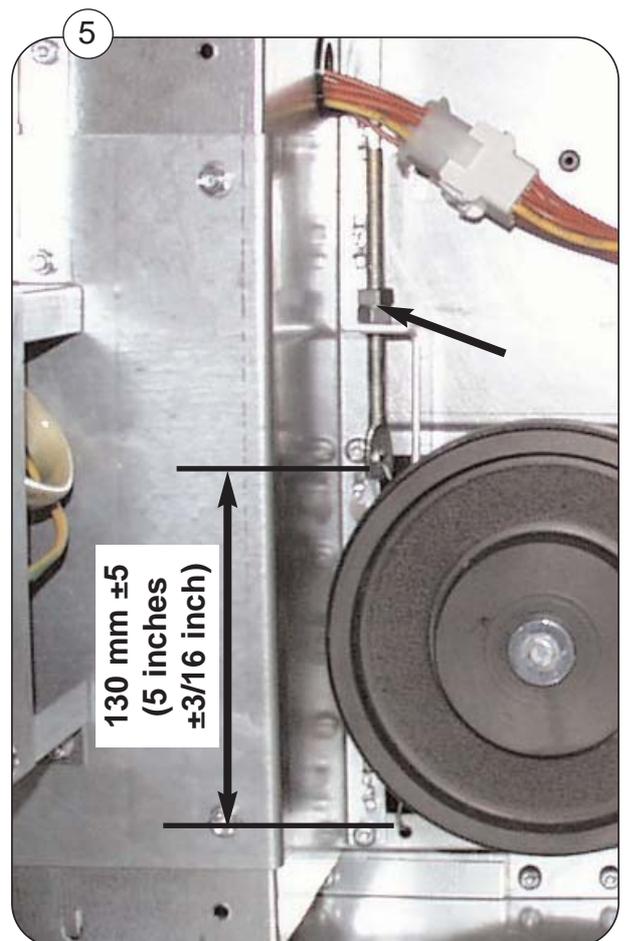
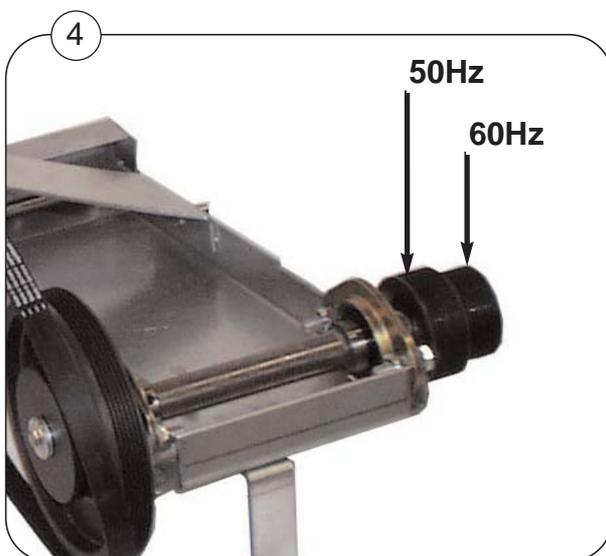
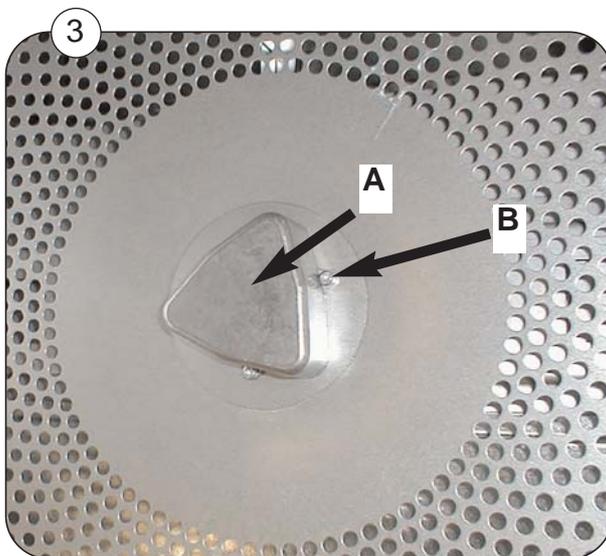
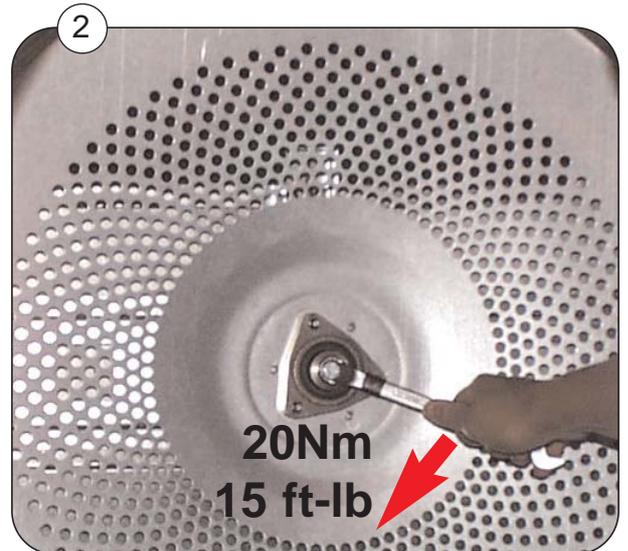
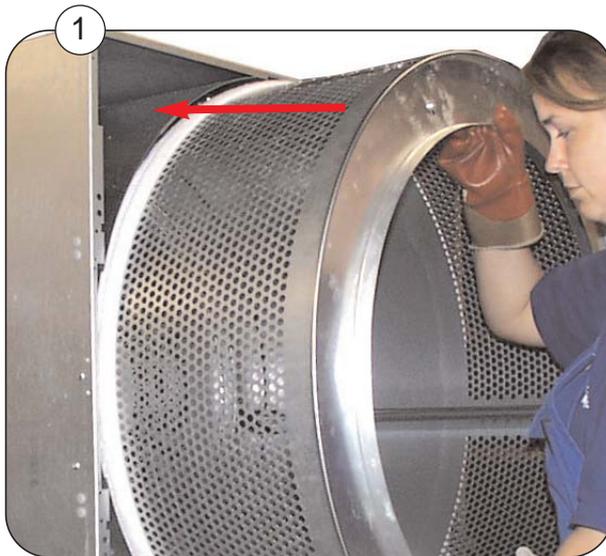
4. Use the hole at the top to put the new belt on the drum.
5. **Fig. 4** Place the belt around the pulley at the transmission.
NOTE It is important to fit the belt at the right place on the pulley.
The small diameter is used for **60 Hz**.
The large diameter is used for **50 Hz**.
6. Turn the drum until the belt is in the proper position on the drum and on the pulley.
7. **Fig. 5** Fasten the belt tensioner to the drum motor and adjust it to the proper tension.
8. Reassemble the front panel, door hinges, and door.
9. Connect the power.

Referring to the pictures next page.

Function check

Test the dryer, see section 11: **Function check**.

Mounting of drum



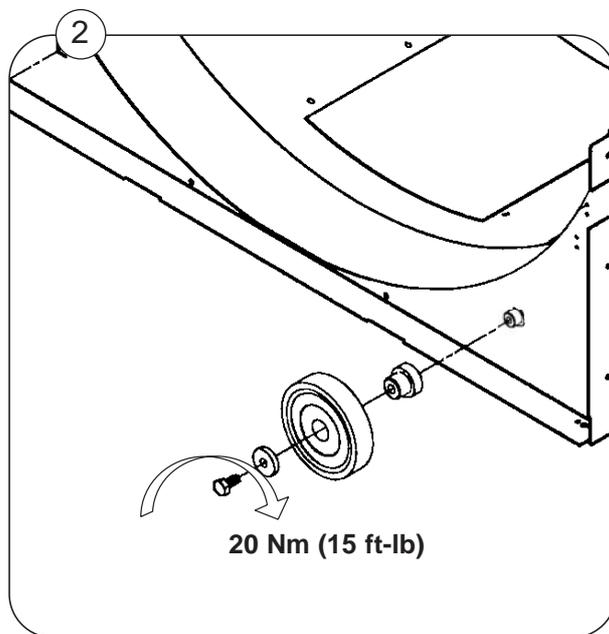
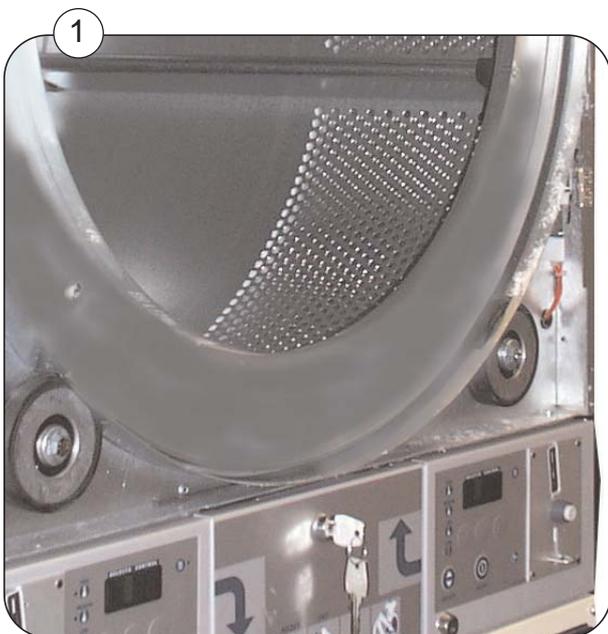
Replacement of support rollers

At the front of the dryer, the support rollers are replaced as follows:

1. Disconnect the power to the dryer.
2. Remove the top door hinge.
3. Lift the door off the bottom hinge; remove bottom hinge.
4. **Fig. 1** Remove the screws that hold the front panel on the dryer and remove the panel.
5. **Fig. 2** Unscrew bolts at support rollers.
6. Replace support rollers and tighten with 20 Nm (15 ft-lb).
7. Reassemble the front panel, door hinges, and door.
8. Connect the power.

Function check

Test the dryer, see section 11: **Function check**.



Contents

Gas valve, general	47.2
Measuring, nozzle pressure	47.3
Measuring, supply pressure	47.4
Gas system, overview	47.5
Test run	47.6

**WARNING !
FIRE AND / OR EXPLOSION HAZARD!**

**Gas heating system service procedures
must be carried out by qualified
service personnel!**

DO NOT OPERATE THIS MACHINE WITH IMPROPER SUPPLY OR NOZZLE PRESSURES, AS THIS CAN CAUSE FIRE AND/OR EXPLOSION!

Improper installation, adjustment or operation of this gas-heated appliance may result in the risk of fire and/or explosion, damage to property, serious injury, or death.

Gas valve, general

Pos. 1. Nozzle

The nozzle orifice size must be correct for the installation altitude and the type of gas being used.

Refer to the installation manual to determine proper orifice size.

Pos. 2. Measuring tap, nozzle pressure

Measuring see page 47.3.

Pos. 3 + 4. Nozzle pressure adjustment screw and cap

Set the nozzle pressure by using adjusting screw (4) found behind cover screw (3).

Clockwise higher pressure.

Counter-clockwise lower pressure.

Pos. 5. Control box, gas valve

Pos. 6. Measuring tap, supply pressure

Measuring see page 47.4.

Supply pressure see installation manual.

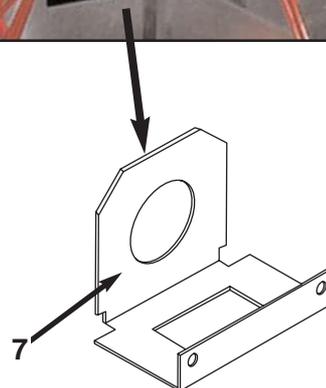
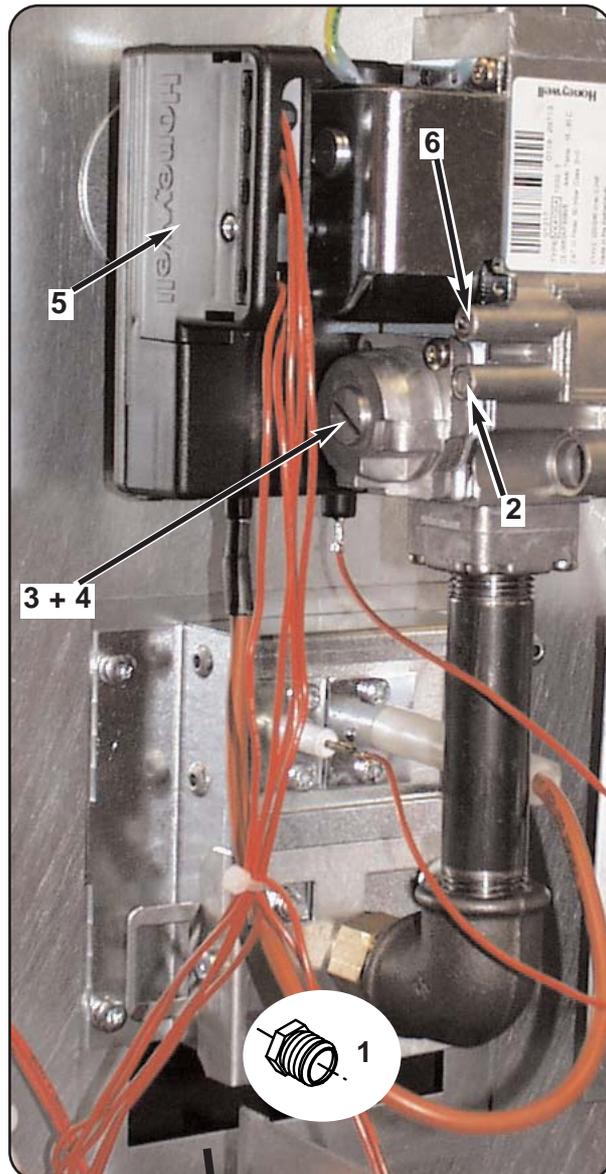
NOTE that the gas supply **MUST** be turned off before loosening tap pos. 6 (SUPPLY) or gas will escape.

Pos. 7. Primary air flow reducing plate

An air reducing plate has been installed in all dryers.

In France and Belgium, the accompanying air reducing plate must be replaced if converting to another type of gas.

If the plate is not replaced, an error code, E 14, will appear.



Measuring tap, nozzle pressure (pos. 2)

1. With the dryer off, loosen the gas pressure tap (pos. 2) one-quarter of a turn and connect a manometer to the tap.
2. Remove the ignition cable from the ignition electrode and position it so the end of the cable is at least 2 inches from any metal surface and away from any area into which you must reach to carry out this procedure.

This prevents the burner from lighting.

3. Start the dryer with High heat selected.

After a few seconds, the ignition control will energize the gas valve.

Check that the nozzle pressure reading on the manometer is within the allowable range specified in the installation manual for the gas type being used.

Too high nozzle pressure

If the nozzle pressure is too high, adjust it by removing the cap (pos. 3) and turning the screw (pos. 4) beneath this cap counter-clockwise until the nozzle pressure is correct.

Too low nozzle pressure

If the nozzle pressure is too low, it may be due to limited gas flow (and pressure) on the supply side of the valve.

1. Turn off the dryer
2. Close the nozzle pressure measuring tap (pos. 2) and measure the supply pressure tap (as described in section Measuring tap, supply pressure below).

The supply pressure must remain AT LEAST 1.5 inches WC above the desired nozzle pressure.

If it does not, corrective action must be taken on the gas supply system to the dryer.

If the supply side pressure remains at least 1.5 inches WC above the desired nozzle pressure, the nozzle pressure can be increased as described above, with the manometer connected to pressure tap (pos. 2) by turning screw (pos. 4) beneath cap (pos. 3) clockwise.

Measuring tap, supply pressure (pos. 6)

NOTE that the gas supply **MUST** be turned off before loosening tap pos. 6 (SUPPLY) or gas will escape.

Refer to the installation manual for the proper supply pressure for the type of gas being used.

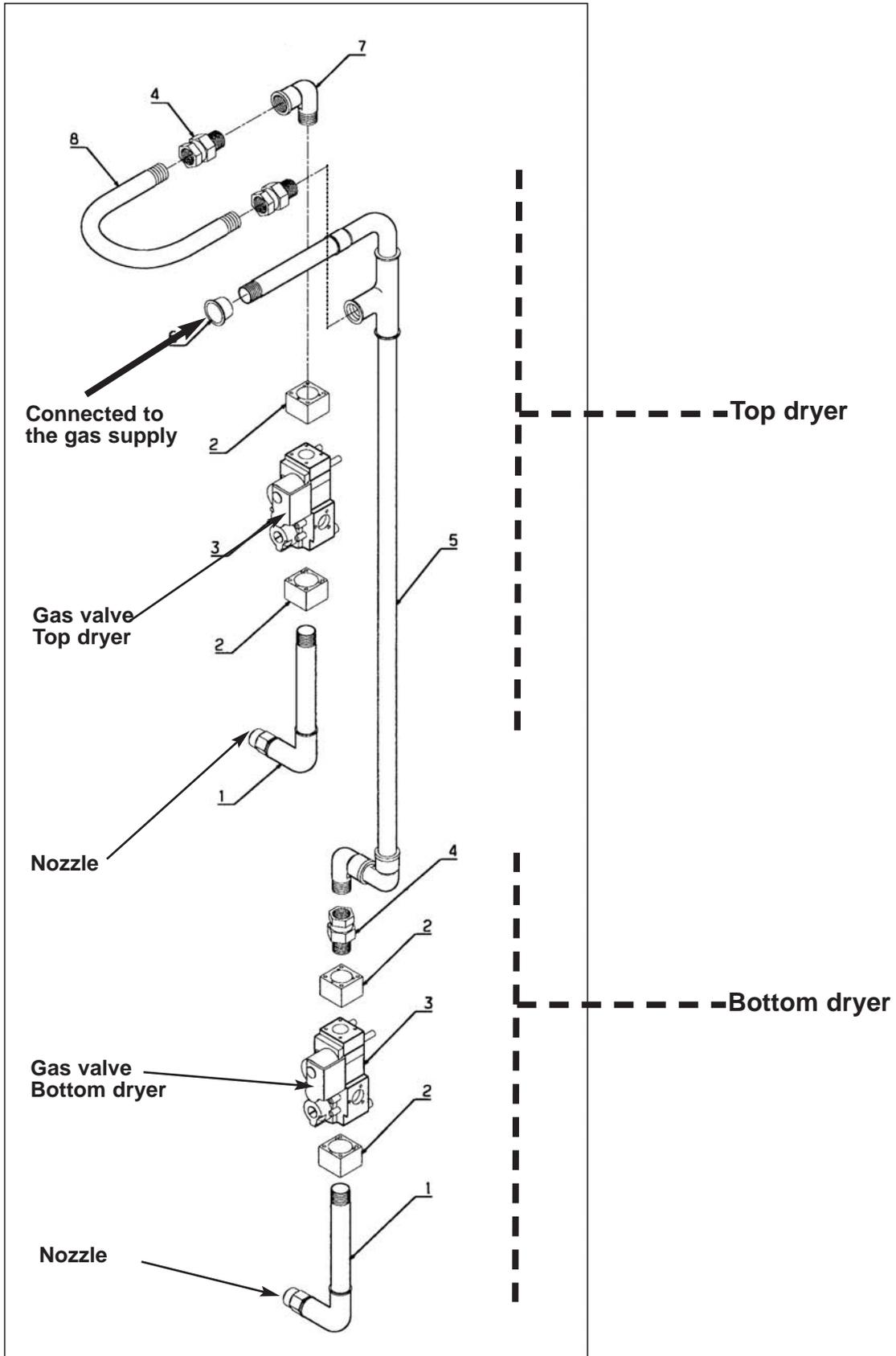
1. Turn off the manual gas valve to the machine and the dryer started on High heat.
2. Loosen the gas pressure tap (pos. 6) one-quarter of a turn and connect a manometer to the tap.
3. Turn on the manual gas supply valve.
4. Start the dryer on High heat and check that the supply pressure is within the allowable range.

Note: If the pressure is not within the range specified in the installation manual,

DO NOT OPERATE THE DRYER.

Contact your gas supplier.

Gas system, overview



Test run

Test all joints for leaks.

Before operating the dryer with a flame, check the supply and nozzle pressures as described earlier in this section.

Check that the gas is burning evenly and with a bluish flame.

After testing, prepare the dryer for use.

