TECHNICAL INFORMATION

H350, H373 &H387 Ovens

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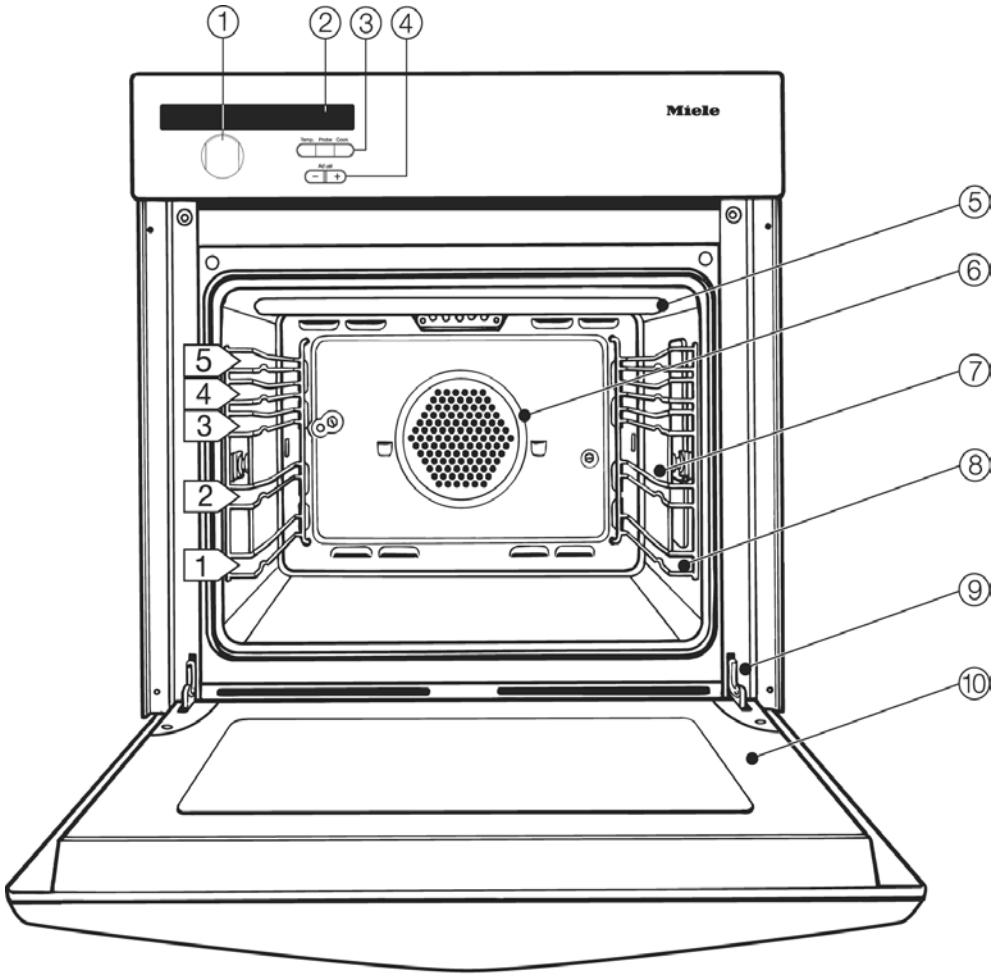
Table of Contents – Continued

060 – Fault Diagnosis

1.0 Construction and Design

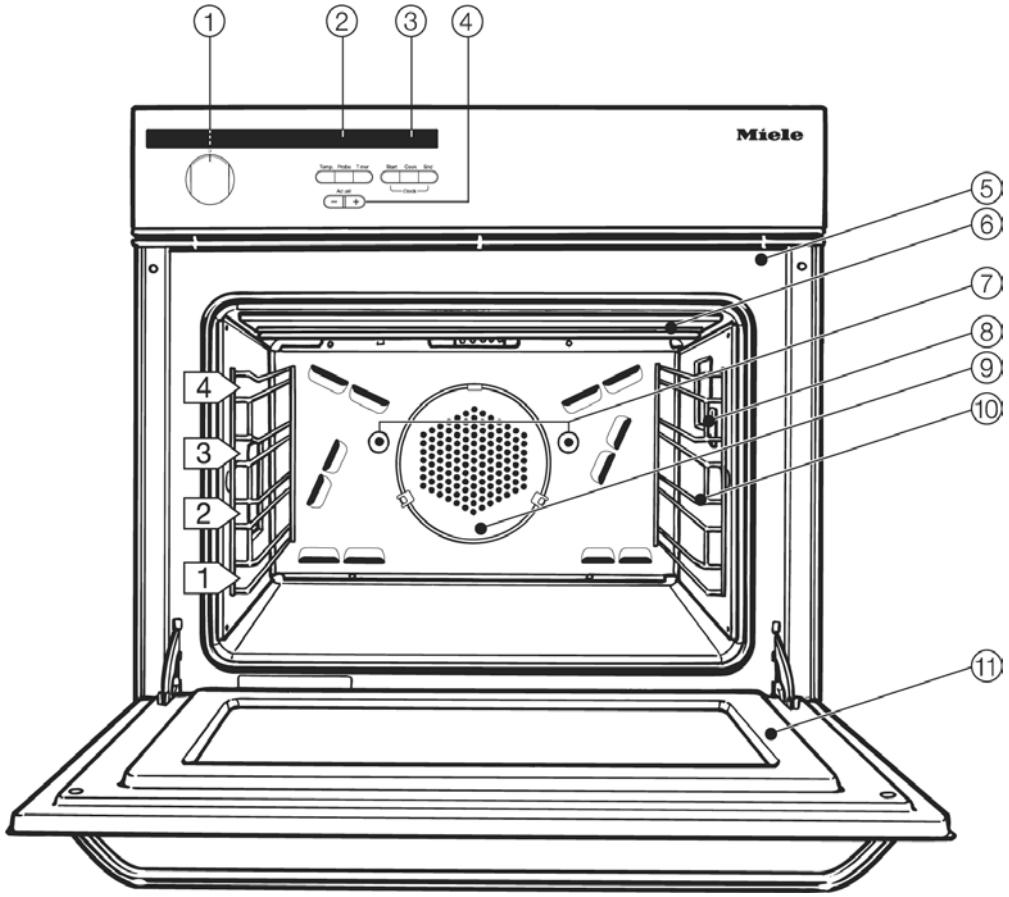
1.1 Unit Overview – H 350



1. Program Selector
2. Oven Display
3. Oven Push Buttons
4. +/- Adjust Buttons
5. Upper Heating Element
6. Convection Fan
7. Roast Probe Socket
8. Runners
9. Hinge
10. Oven Door

Figure 1-1: Unit Overview

1.2 Unit Overview – H 373, H387



1. Program Selector
2. Oven Display and Push Buttons
3. Clock/Timer Display and Push Buttons
4. +/- Adjust Buttons
5. Door Contact Switch**
6. Upper Heating Element & Safety Guard
7. Rotisserie Motors
8. Roast Probe Socket
9. Convection Fan
10. Runners
11. Oven Door

Figure 1-2: Unit Overview

1.3 Data Tag

Location

The Data Tag is located on the bottom right edge of the front of the oven. To view the Data Tag you must open the oven door**.**

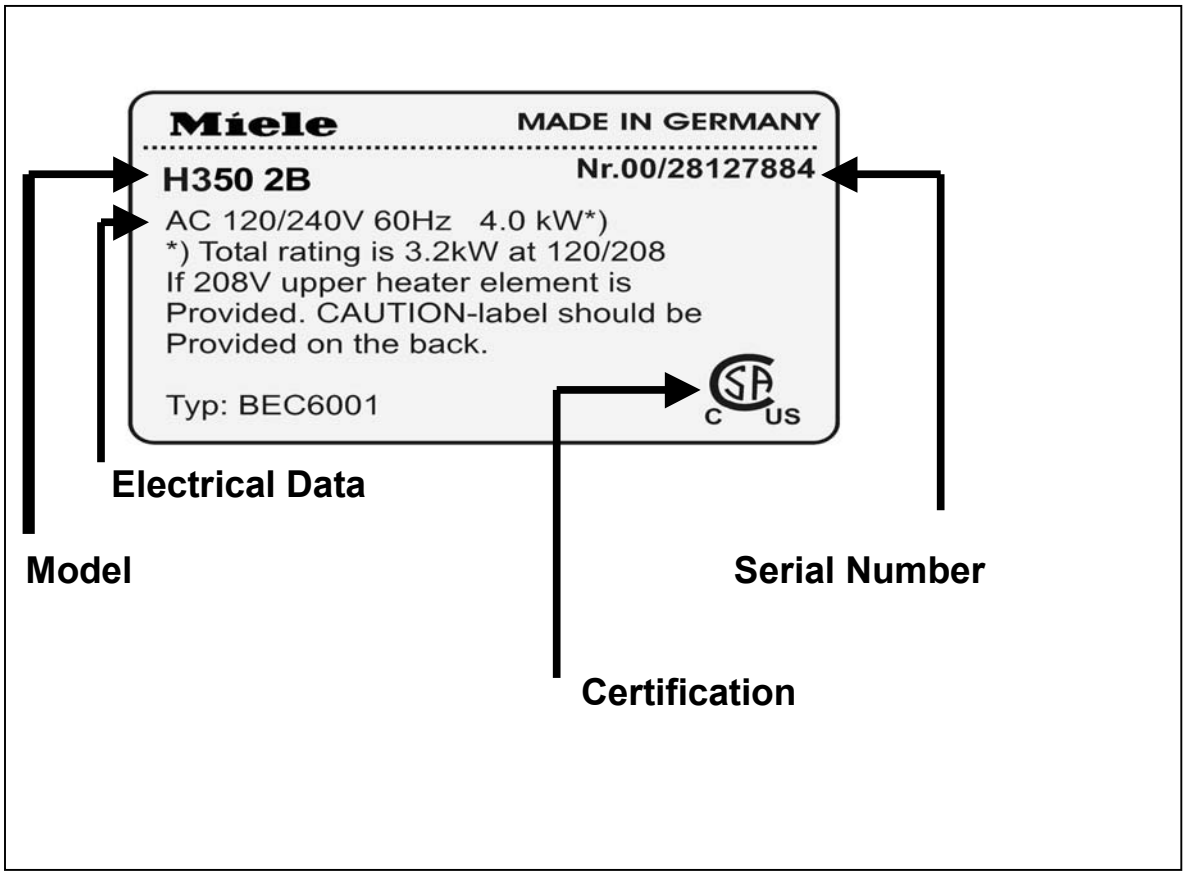


Figure 1-3: Data Tag Information Applicable To H 350, H 373 & H387 Models

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2.0 Installation

Refer to the Installation Manual

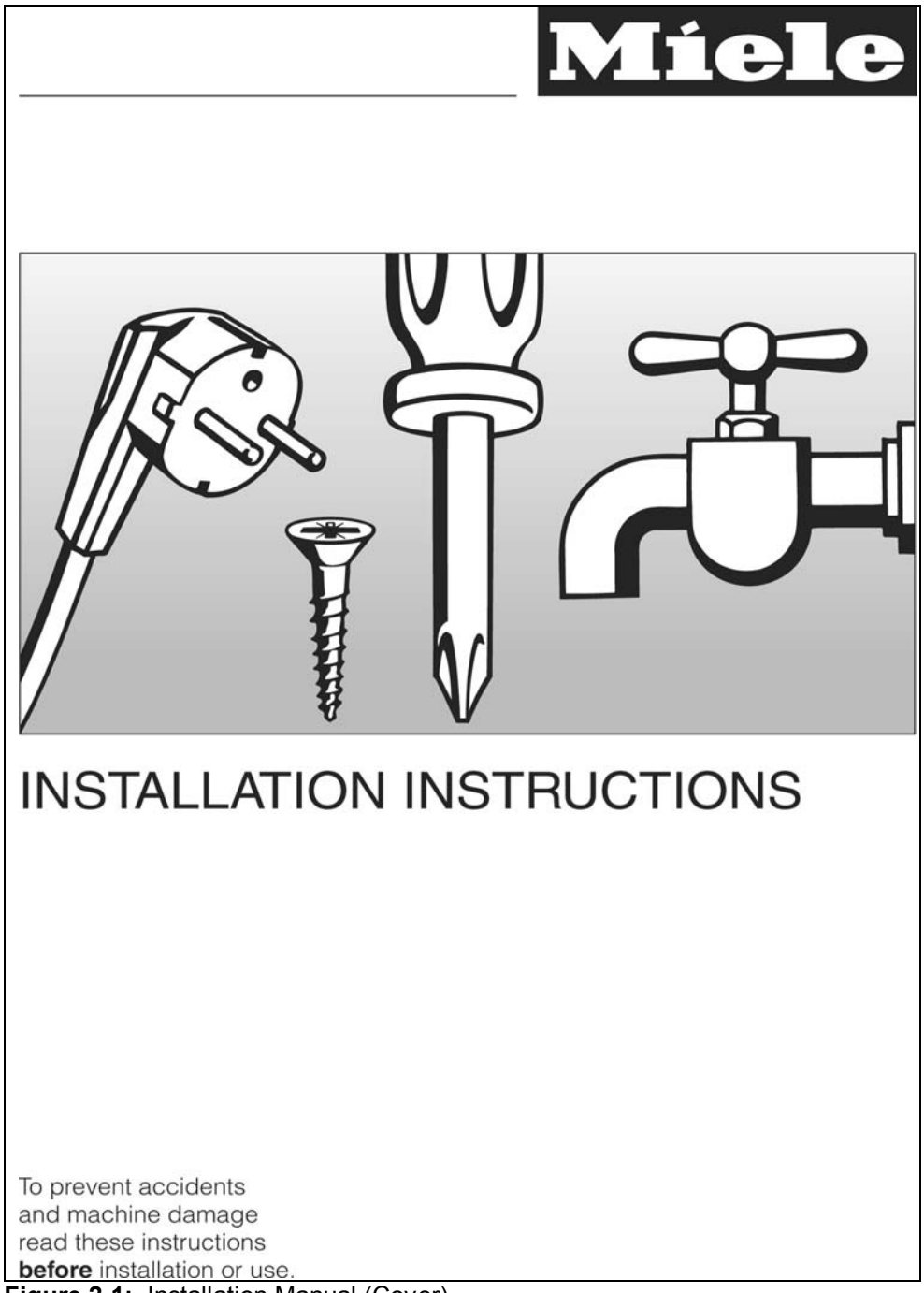


Figure 2-1: Installation Manual (Cover)

2.1 Electrical Information

Power Requirements:

120/208-240 VAC, 60 Hz, 30 Amp breaker**
Oven is equipped with a 6-foot flexible shielded power cord.
** See Special Information section below regarding input voltage to the oven

Electrical connections:

Black Wire:	Connect to L1
Red Wire:	Connect to L2
White Wire:	Connect to N (Neutral)
Green Wire:	Connect to GND (Ground)

A dedicated circuit consisting of a dedicated breaker, supply line and junction box must be used on all oven installations.

Connection details are given on the diagram located on the top of the oven. The electrical supply should be checked against the diagram to ensure all electrical and safety requirements are met prior to electrical connection

Special Information:

Ovens can be special ordered or converted to 120/208 VAC 60 Hz supply voltage. The 208 VAC ovens are equipped with an additional label indicating the oven has been converted. Special care should be taken to ensure ovens converted to 208 VAC are not connected to higher voltages. Always check wall voltage before installation.

3.0 Commissioning and Operation

3.1 Before using for the first time

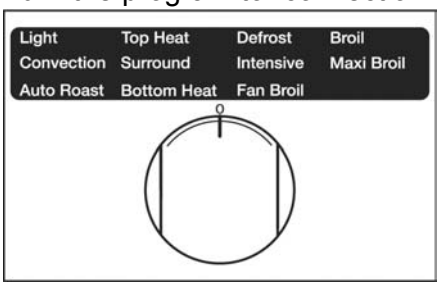
New ovens may have a slight odor during the first few uses. To eliminate the odor quickly, operate the oven at a high temperature for 2 hours.

Make sure the room is well ventilated during this process

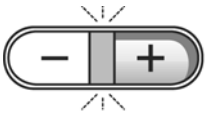
Before heating the oven remove all accessories from the oven.

Use a soft cloth or sponge to wipe out the interior using a solution of warm water and non-abrasive detergent. Dry the interior with a soft cloth

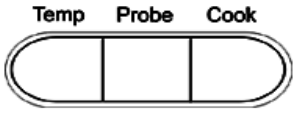
Turn the program to “convection”

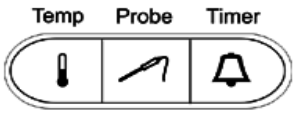


Set the temperature to 480 ° F / 250 ° C using the “+” button while the indicator light between the “+” and “-“ buttons is lit.



Set the timer by pressing the “Cook” button on H350 models, the “Timer” button on H373 & H387 models.





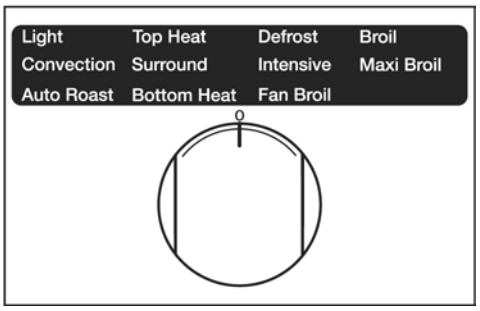
“0:00” will appear in the display and the “+/-“ indicator will illuminate.

While the light between the “+/-“ is lit enter 2 hours using the “+” button.

The oven will begin to heat as soon as the indicator light between the “+/-“ goes out.

3.2 Controls-Basic Overview

The oven controls consist of the program selector and push buttons. The program selector can be turned either way.



Each push button has a matching symbol in the oven display.

H350 Models

H 373 & H3837 Models

Button	Controls	Symbol
Temp	**Oven temperature Settings**	
Probe	**Core temperature Settings**	
Cook (H350)	**Cooking Timer**	
Timer (H373 & H387)	**Cooking Timer**	

Table 3-1: Explanation of Oven Symbols

Continued on next page.

Controls-Basic Overview (Continued)

Time/Temperature button

All time and temperature selections are made using the **“+”** or **“-"**. To make changes press one button at a time. For rapid advancement hold in the button.

- Oven temperatures are 10 ° F / 5 ° C increments

- Core temperatures are in 2 ° F / 1 ° C increments

When the light between **“+” and “-“** buttons is illuminated, time and temperatures can be entered or changed.

When the light goes out your entry is accepted.

3.3 Using The Oven

3.3.1 Cooking Using Default Temperatures

Turn the program selector knob to the desired program

H350

H373/H387

The default oven temperature will appear in the display. The indicator between the “+/-“ buttons will illuminate

The oven will start to heat as soon as the indicator between the “+/-“ buttons goes out.

- Adjust the default temperature if needed
- Allow the oven to preheat if necessary. The oven temperature can be monitored in the display
- Place food in the oven
- Enter the cooking time

At the end of the cooking time:

A tone will sound for 5 seconds and the → symbol flashes

To turn off the tone and the flashing symbol:

- Press the “Cook” button (H350) “Timer” (H373. H387)
- Turn the program selector to “O”

3.4 Rapid Heat

The rapid heat feature activates the heating elements at maximum power to heat the oven rapidly. With the “Convection”, “Auto Roast”, or “Surround” programs the “Rapid heat” feature activates automatically if the selected temperature is:

- At least 280° F / 140°C in “Auto Roast”
- At least 300° F / 150° C in “Surround”
- A flashing “F” or “C” besides the temperature indicates “Rapid heat” is on

3.4.1 Turning Off “Rapid Heat”

For some dishes it may be desirable to turn off “Rapid heat” (cookies, small cakes)

- Select the oven program and temperature
- As soon as the actual temperature appears in the display, “Rapid heat” can be turned off
- Press the “-“ button and hold until the “F” / “C” in the display stops flashing
- Once the program selector has been turned to “0”, “Rapid heat” will be available for the next use

3.4.2 Selector Switch

Convection:
Convection heating element and convection fan are activated

Intensive:
Lower heating element and convection fan are activated

Surround:
The oven automatically starts Rapid heat mode (see 3.4.5). The upper and lower heating elements are activated

Top Heat:
The outer top-heating element is activated

Bottom Heat:
The bottom-heating element is activated

Auto Roast:
The oven automatically starts Rapid heat mode. The convection fan and heating element are then activated

Broil:
The inner top element is activated

Maxi Broil:
Both Top Elements Are Activated

Fan Broil:
The inner top element and convection fan are activated

Defrost:
The convection fan and heating element are activated

4.0 Function and Description

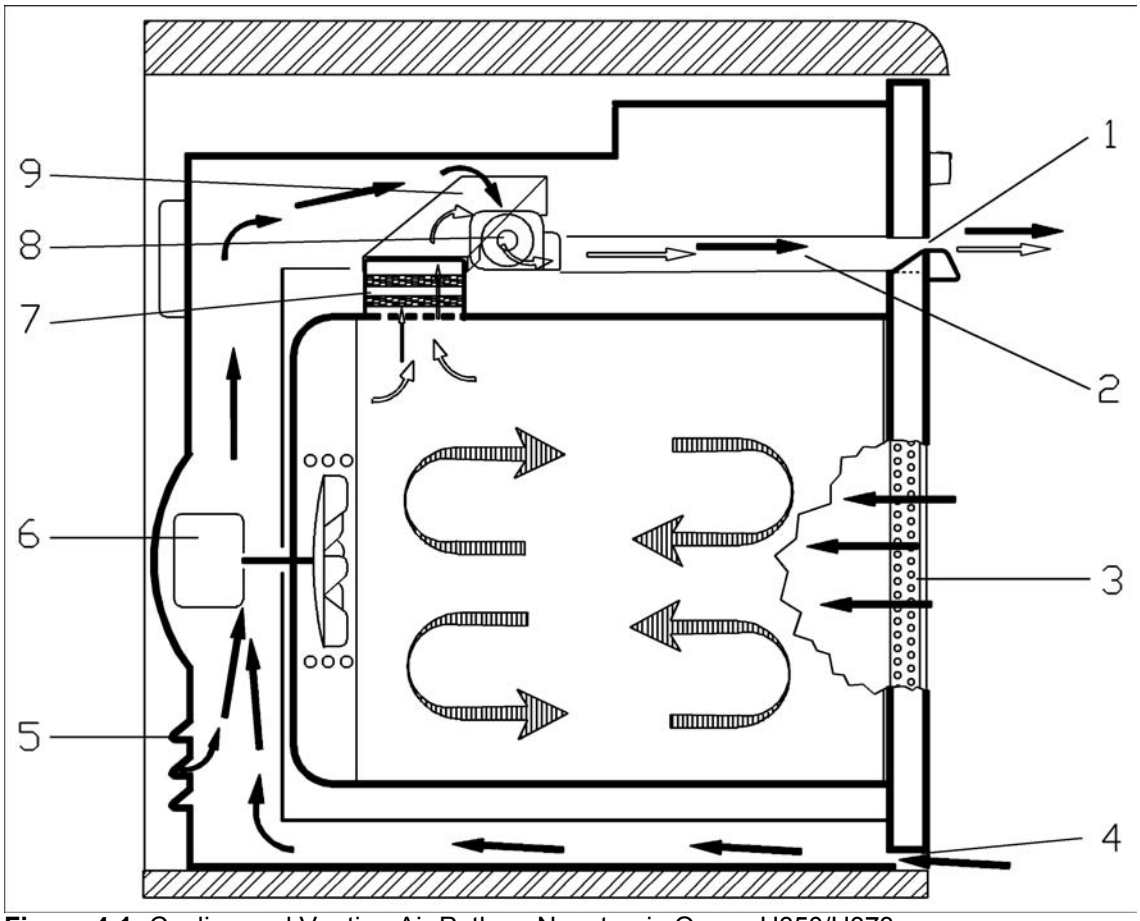


Figure 4-1: Cooling and Venting Air Paths – Novatronic Ovens H350/H373

1. Air Outlet
2. Air Duct
3. Air Intake At Deflector Strips
4. Air Intake
5. Air Openings At Rear
6. Oven Fan
7. Vapor Outlet Connection
8. Cooling Fan
9. Air Guide Duct

Continued on next page.

Cooling Air Intake Path

1. Refer to Figure 4-1
2. Via the deflector strips (3)
3. Via the air intake under the door (4)
4. Via the air openings at the rear of the unit (5)
5. Function: To cool the appliance and it's electrical components

Cooling Air Path

1. Refer to Figure 4-1
2. Via the cooling fan (8)
3. Via the air duct (9)
4. Function: Cool air is mixed across the cooling duct with vapors removed from the oven via the vapor outlet connection

Cooling Air Discharge

1. Refer to Figure 4-1
2. The cool air and vapor mixture is discharged at the air outlet between the door handle and fascia panel

4.0.1 Cooling Fan Run-On

The cooling will run during the cooling down cycle until a temperature of approximately 160 ° F is reached. This will prevent damage caused by condensation collecting in the appliance. During this cycle the cooling fan operates at the lowest speed. The length of the run on time is determined by the temperature inside the oven cavity and may be more then one hour. Opening the door can terminate the run-on.

4.1 Catalyser System (H387 Models)

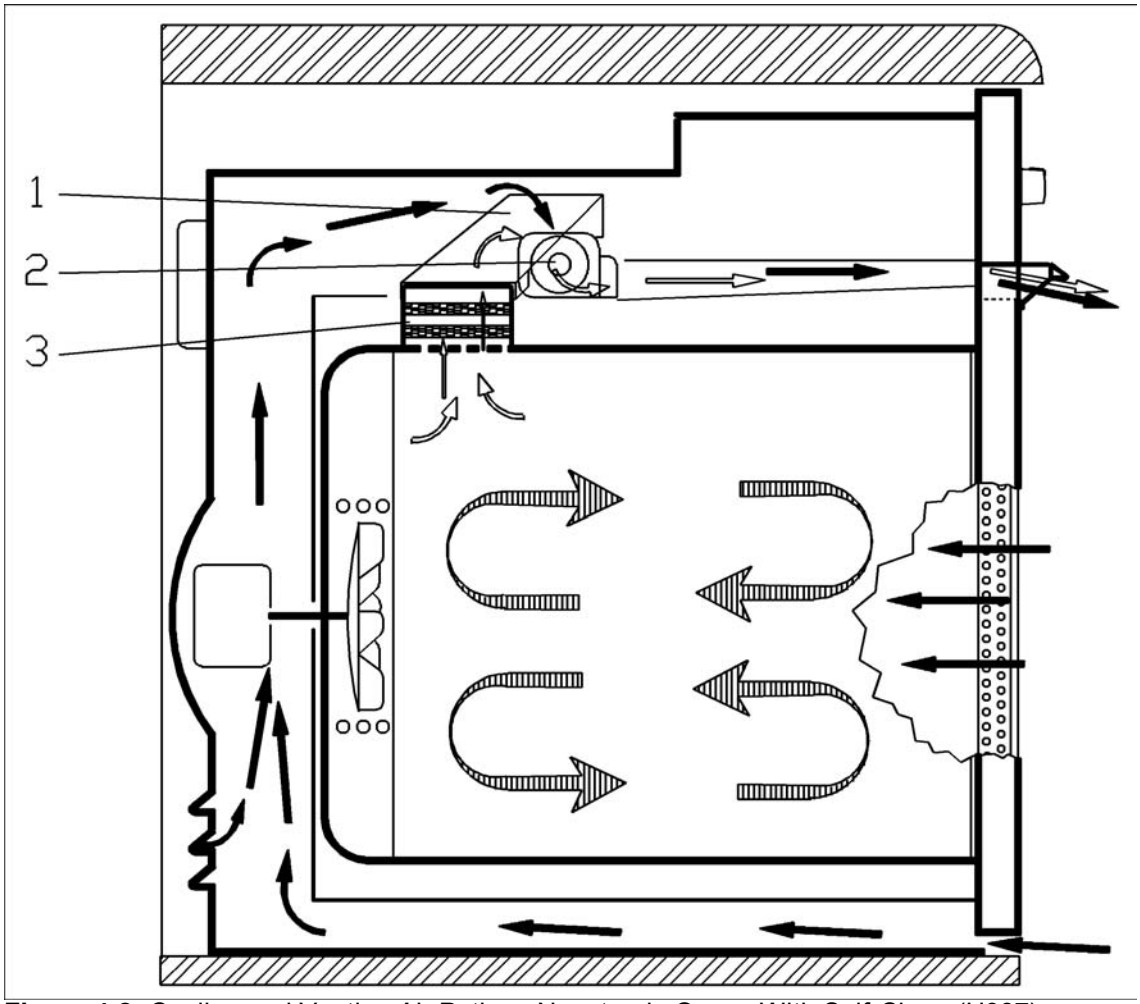


Figure 4-2: Cooling and Venting Air Paths – Novatronic Ovens With Self-Clean (H387)

1. Refer to figure 4-2
2. The catalyser (3) removes grease particles from expelled air to reduce odors
3. Grease particles and substances producing odors are converted to water and carbon dioxide.
4. The water and carbon dioxide are removed by the cooling fan (2) and expelled via the vent duct (1)

4.1.2 Pyrolitic or Self-Cleaning (H387 Models)

The Miele pyrolitic or self-cleaning system is a thermal process for cleaning the oven (self-cleaning). At a temperature of approximately 900° F solid residues are converted to a gaseous state. The catalyser minimizes smoke and odor development.

Heating: During pyrolitic or self- cleaning, the pyrolitic or self-cleaning heater element (outer element) is constantly activated. The grill (inner heater element) and convection fan elements are activated alternately.

Door Lock: The oven door is locked immediately after the start of the function and only releases after the cycle is complete and the temperature has dropped below approximately 390° F

Pyrolitic or Self-Cleaning Duration: The duration of the pyrolitic or self-cleaning cycle ranges based upon the cleanliness of the oven. The cleaner the oven the shorter the time required to clean and vice versa. Refer to Figures 4-3 and Figure 4-4.

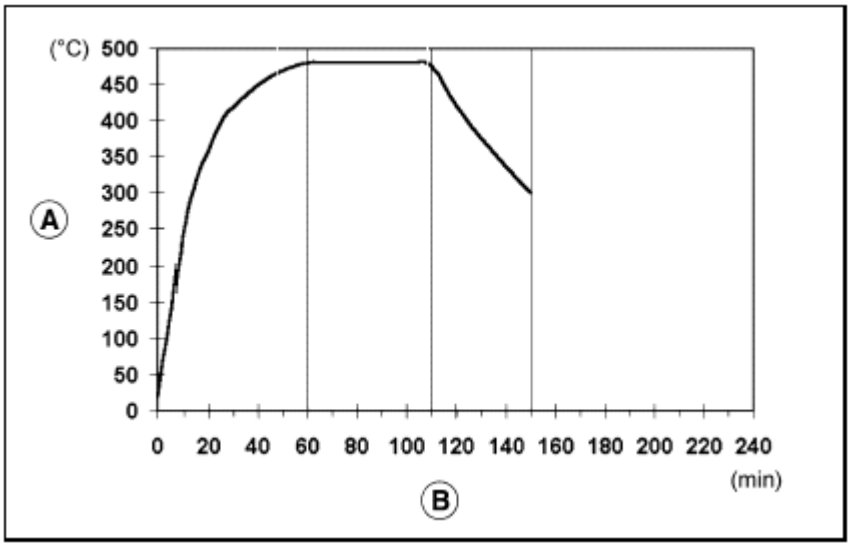


Figure 4-3: Minimum Duration With Light Oven Soiling

A Oven temperature
B Time

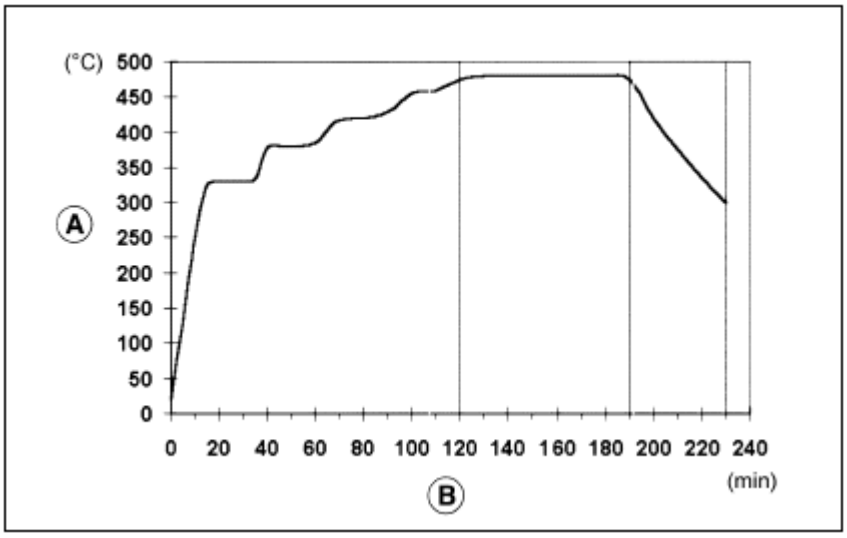


Figure 4-4: Maximum Duration With Heavy Oven Soiling, Gentle Start

A Oven temperature
B Time

Gentle start: With heavy soiling heating is carried out in stages (Figure 4-4). The gentle start helps to ensure smoke and odors are kept to a minimum and is controlled by the PT 1000 sensor in the. Smoke and odors are treated by the catalyser, temperature in the catalyser can rise sharply. If this occurs the pyrolitic heating is switched off until the temperature has dropped. Heating will then resume until excessive smoke development or a rapid temperature rise causes the pyrolitic system to shut off until is cools. This process will continue until the proper temperature is reached.

Pyrolitic or self-cleaning interruption: If the proper temperature has not been reached after 120 minutes, the feature will switch off automatically. The fault code F15 is then displayed. See section 6 of this manual for further details regarding fault codes.

4.1.3 Catalyser (H387 Models)

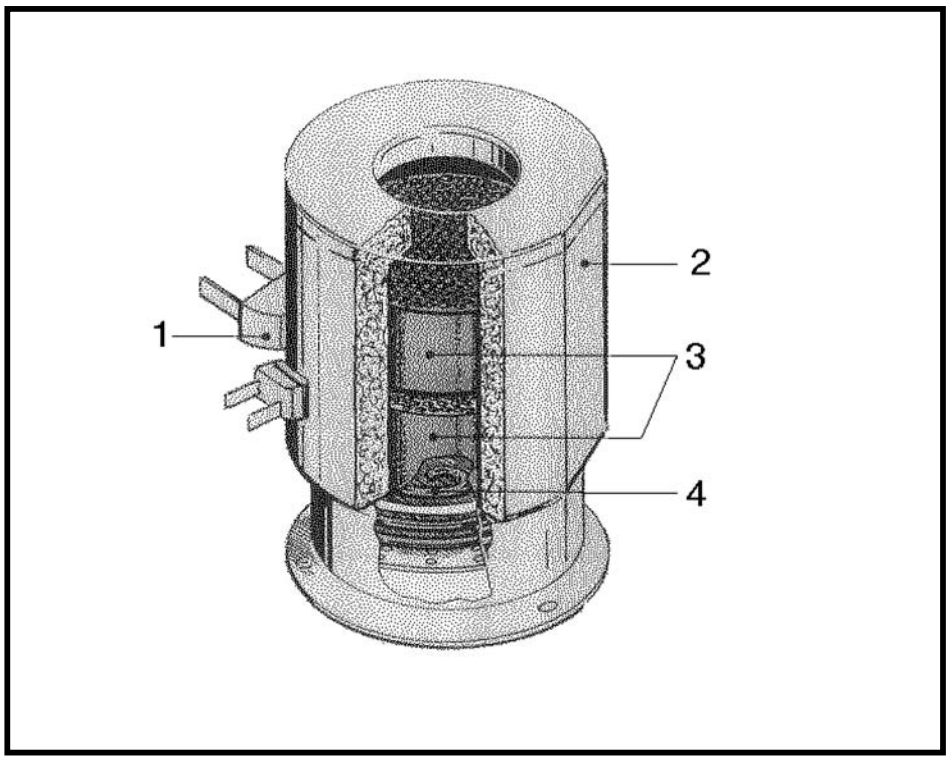


Figure 4-5: Catalyser

1. Pyrolitic temperature sensor PT 1000 –
2. Insulated housing
3. Platinum coated ceramic honeycombs
4. Heater element

During exhaust air cleaning, the catalyser heater element (Fig 4-5) heats up the two platinum coated ceramic honeycombs (Fig 4-5) to a temperature of 930° F.

Note
The catalyser is only activated in modes with heating

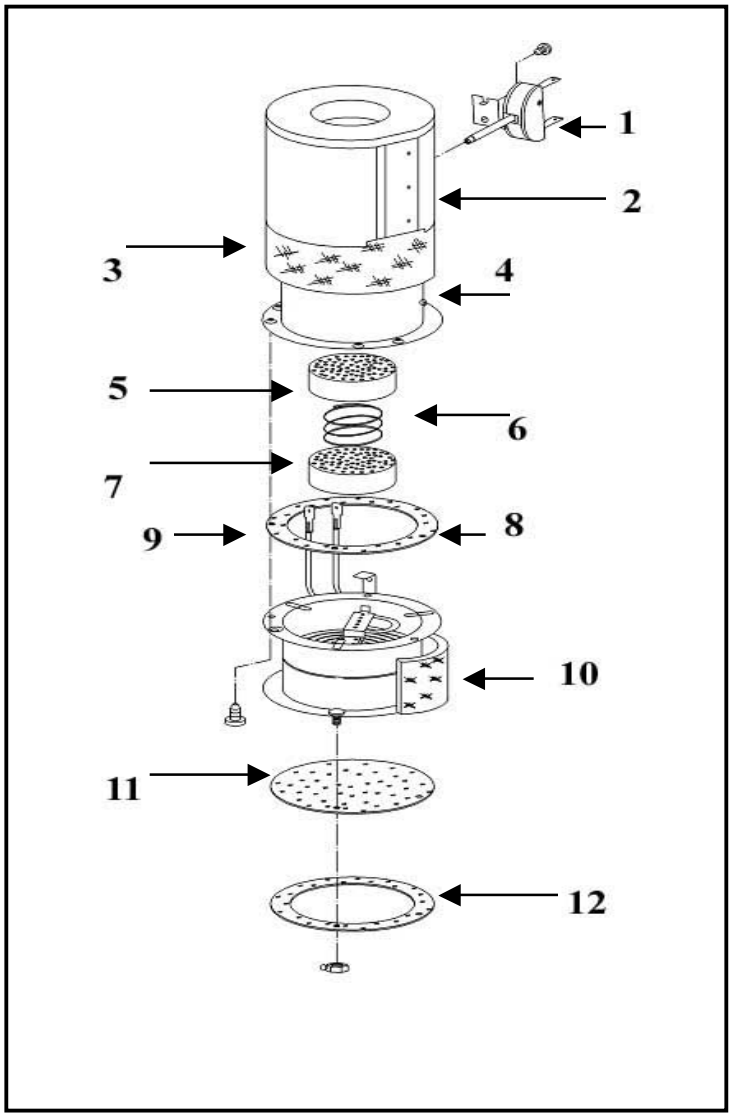


Figure 4-6: Catalyser Assembly – Components (H387)

1. PT 1000 Sensor
2. Insulating Cover
3. Insulating Material
4. Fumes Extractor
5. Catalyser Insert
6. Spring
7. Catalyser Insert
8. Catalyser Seal
9. Heater Element
10. Insulating Material
11. Filter
12. Catalyser Seal

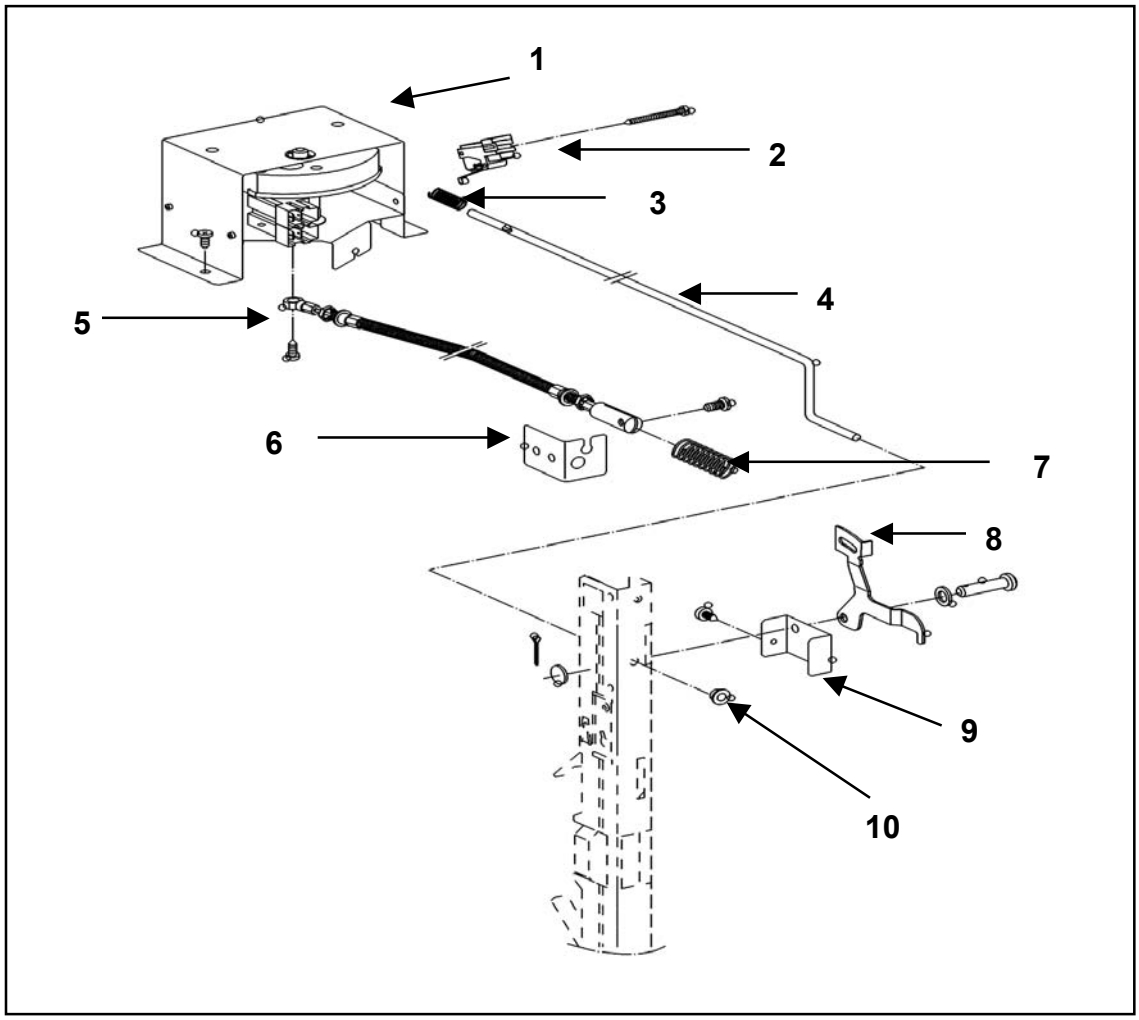


Figure 4-7: Door Lock Mechanism

1. Drive Locking Device
2. Switch
3. Springs
4. Wire Bracket
5. Door Lock Cable
6. Bracket
7. Spring
8. Door Latch
9. Bracket
10. Bushing

4.1.4 Safety Cut-Out

After a predetermined period of time passes, based upon the operating mode, the oven will be switched off automatically (see table 4-1). If the safety cutout is activated an “F6” fault code will appear in the temperature display. For further information on fault codes refer to section 6 of this manual.

Operating Mode	Max. duration before safety cut-out (hours)	Recommended temperature (Degrees F)	Setting Range (Degrees F)
Light	6	-	-
Defrost	12	-	90-120
Convection	12	320	90-480
Auto Roast	12	320	210-440
Intensive	6	340	120-480
Surround	12	370	90-510
Top Heat	12	370	90-480
Bottom Heat	12	370	210-480
Fan Broil	6	390	120-470
Broil	6	460	390-570
Maxi Broil	6	460	390-570

Table 4-1: Safety Cutout Temperatures

4.1.5 Rapid Heat

During the operating modes “Fan Heat” and “Auto Roast” all heating elements are activated at the same time to heat up the oven as quickly as possible. If desired the Rapid heat function can be de-activated see 3.5.1 for further information.

4.1.6 Door Switch

If the door of the oven is opened during cooking, the door switch sends a signal to the electronic control unit. The electronic control unit effects the following measures.

- It turns off the convection fan
- It turns off the applicable heater(s)
- It reduces the cooling fan speed to the lowest speed (run-out speed), as long as the oven temperature remains above approximately 160° F

4.1.7 Temperature Sensor

The temperature sensor is a platinum sensor. It resistance rises proportionately as the oven temperature rises.

4.1.8 Automatic Door Lock

After the start of the pyrolitic (self cleaning) process the door is mechanically locked with a door latch operated by a locking device. The door can only be opened after the pyrolitic cycle is complete and the oven temperature has dropped below approximately 390° F

4.1.9 Door Contact Switch

If the door is opened during cooking, the electronic registers this via the door contact switch and the following occurs:

- The convection fan is switched off
- Heating is switched off
- The cooling fan speed is reduced to run-on speed as long as the oven temperature remains above approximately 130° F

4.1.10 Control And Power Electronic Unit

On this appliance the control and power electronics are combined into a single unit

The Electronic Monitors The Following Components:

1. All temperature sensors
2. Control display electronic unit
3. Door contact switch
4. Selector switch

It Controls The Following Components

1. All heater elements
2. All fans
3. Oven light
4. Rotisserie motor

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5.0 Service And Maintenance

5.1 Lay Out Of Electrical Components

H-350 Layout

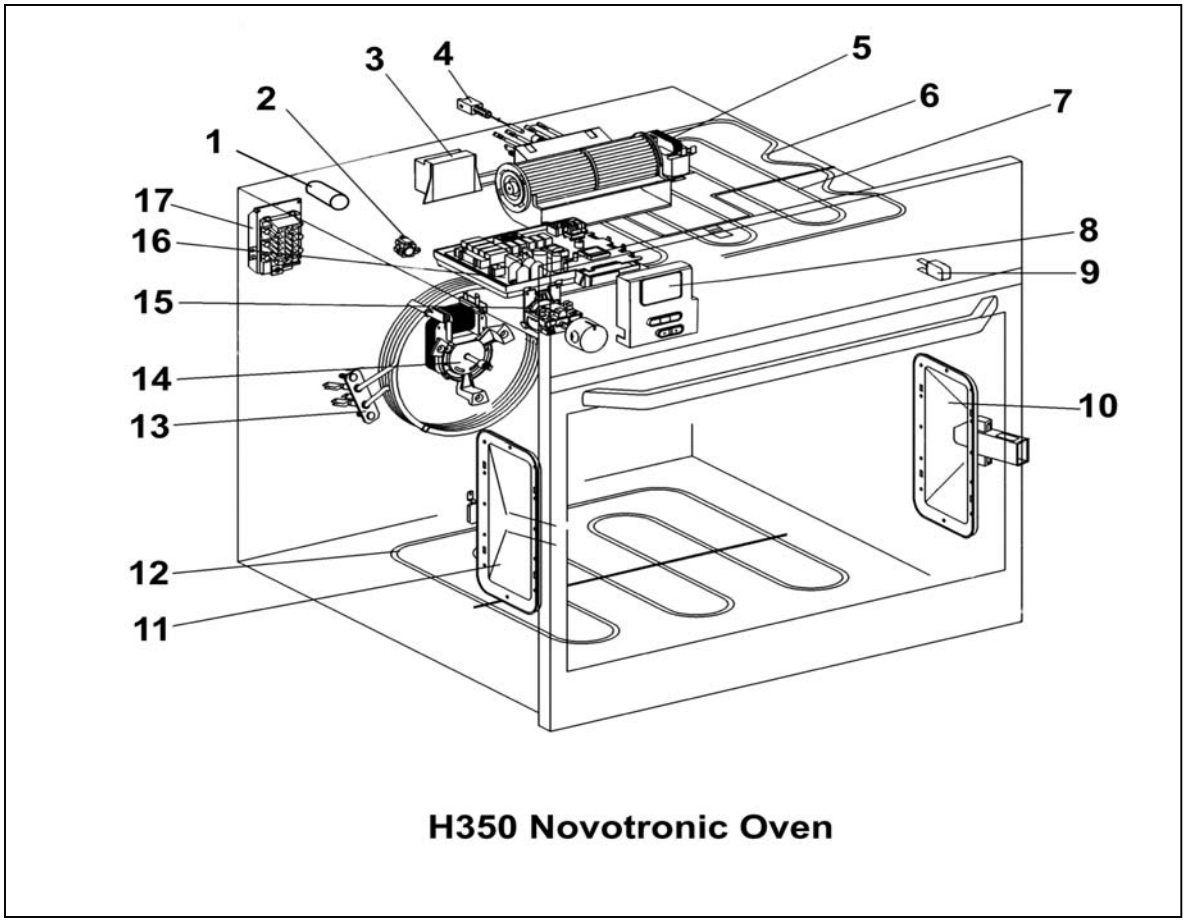

Figure 5-1: H-350 Overview

1. Interference Suppressor Capacitor	10. Lamp
2. Temperature Limiter	11. Lamp
3. Transformer	12. Heater Element, Bottom Heat
4. Temp sensor, Oven	13. Heater Element, Convection
5. Cooling Fan	14. Motor, Convection Fan
6. Heater Element, Top Heat	15. Selector Switch
7. Heater Element, Grill	16. Electronic Unit
8. Electronic Display	17. Terminal Block
9. Door Switch	

H-373 Layout

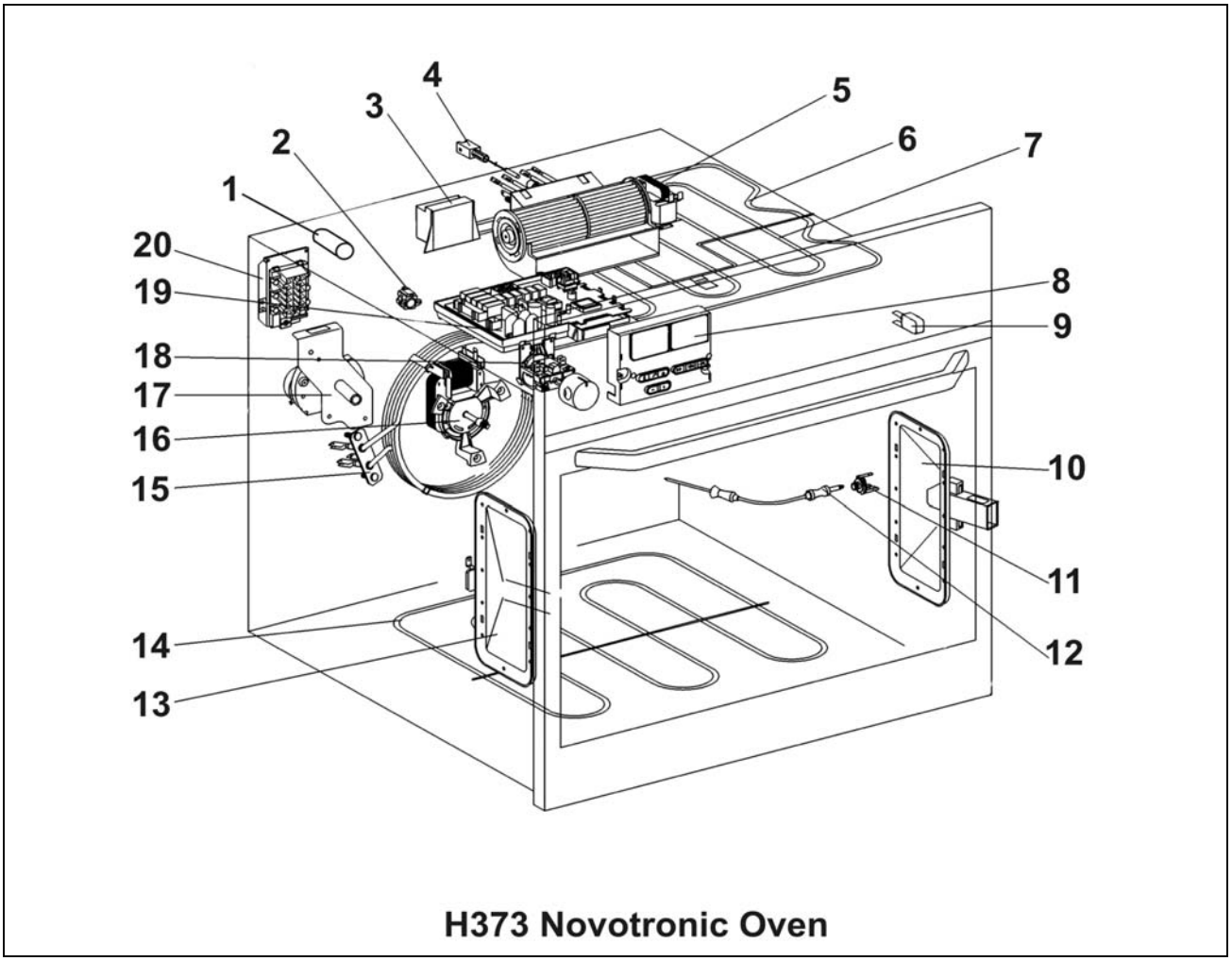

Figure 5-2: H-373 Overview

1. Interference Suppressor Capacitor	11. Roast Probe Socket
2. Temperature Limiter	12. Roast Probe
3. Transformer	13. Lamp
4. Temp sensor, Oven	14. Heater Element, Bottom Heat
5. Cooling Fan	15. Heater Element, Convection
6. Heater Element, Top Heat	16. Motor, Convection Fan
7. Heater Element, Grill	17. Motor, rotisserie
8. Electronic Display	18. Selector Switch
9. Door Switch	19. Electronic Unit
10. Lamp	20. Terminal Block

H-387 Layout

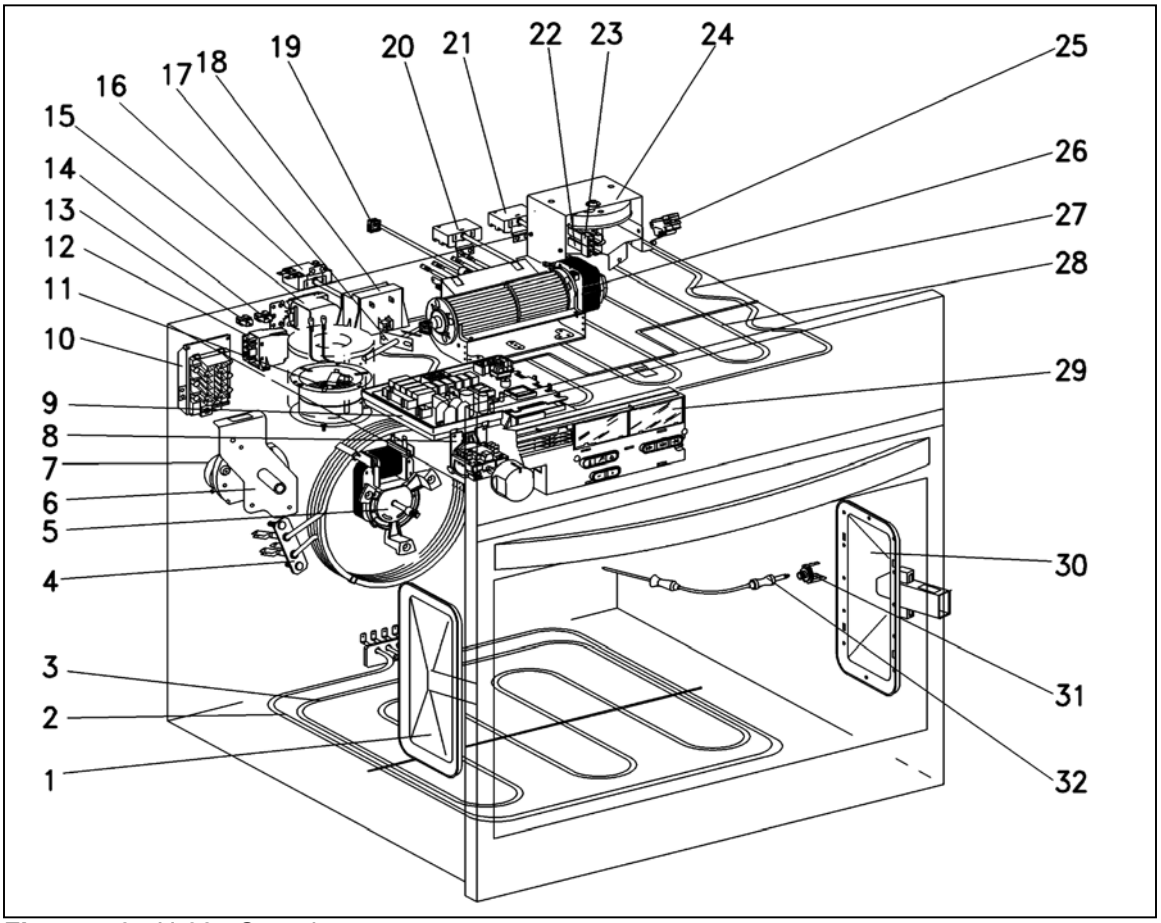

Figure 5-3: H-387 Overview

1. Lamp	17. Temp Sensor Catalyser
2. Heater Element, Pyrolitic	18. Transformer
3. Heater Element, Floor	19. Temp Sensor, Oven
4. Selector switch	20. Temp Sensor, Pyrolitic Mode
5. Motor, Convection Fan	21. Temp Limiter
6. Heater Element, Convection Fan	22. Temp Limiter Pyrolitic
7. Motor, Rotisserie	23. Temp Monitor Door Lock
8. Selector Switch	24. Motor Door Lock
9. Electronic Unit	25. Switch, Door Contact
10. Terminal Block	26. Cooling Fan
11. Catalyser	27. Heater Element, Roof
12. Relay	28. Heater Element, Grill
13. Plug, Radio Controlled Clock	29. Digital Display
14. Plug, (Miele information Center)	30. Lamp
15. Interference Suppressor Capacitor	31. Roast Probe Socket
16. Temperature Limiter	32. Roast Probe

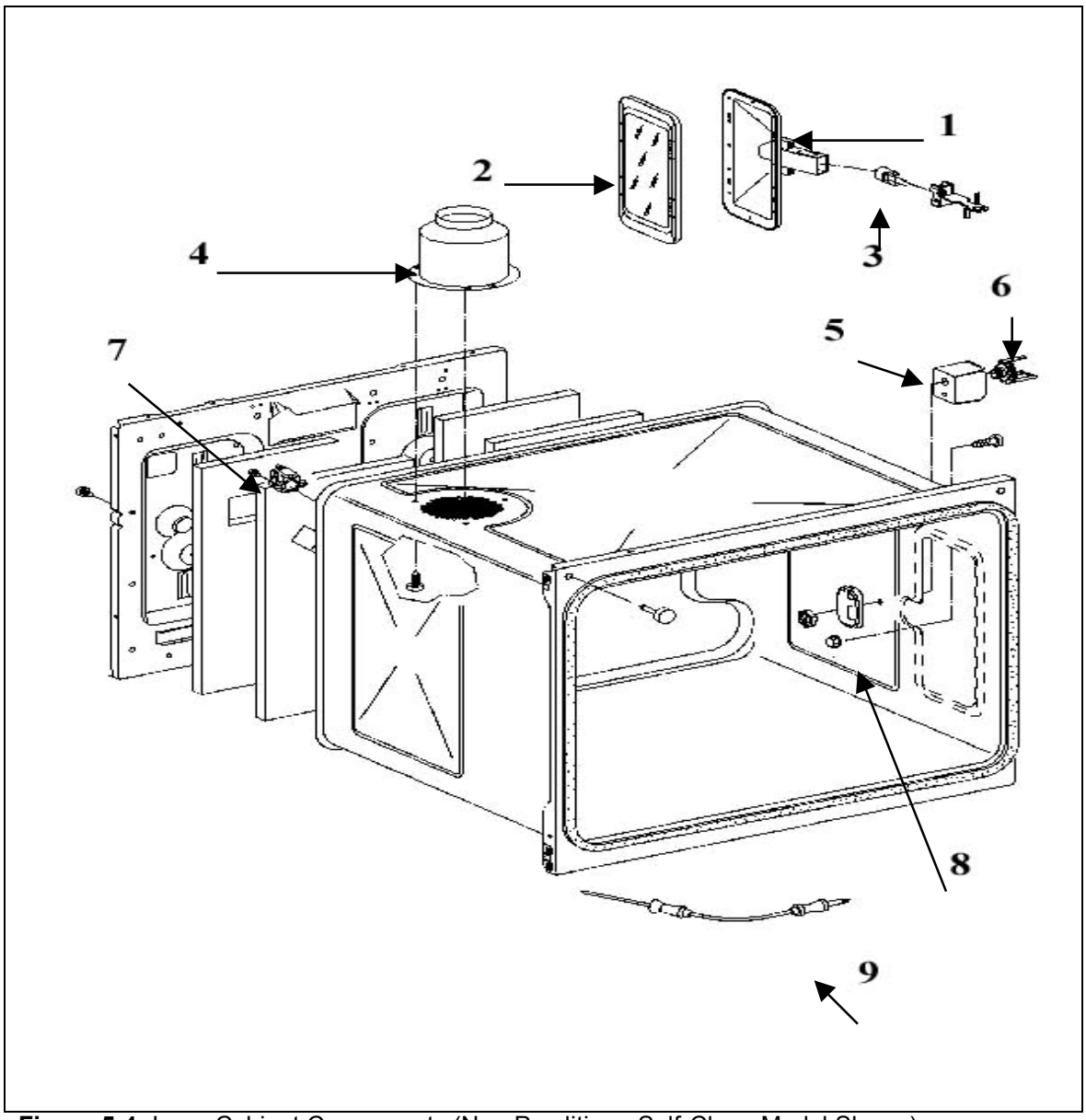

Figure 5-4: Inner Cabinet Components (Non-Pyrolitic or Self-Clean Model Shown)

1. Reflector
2. Glass Cover
3. Light Bulb
4. Fumes Extractor (Not On Pyrolitic Models)
5. Cover
6. Electrical Socket
7. Temperature Limiter
8. Roast Probe Socket
9. Roast Probe

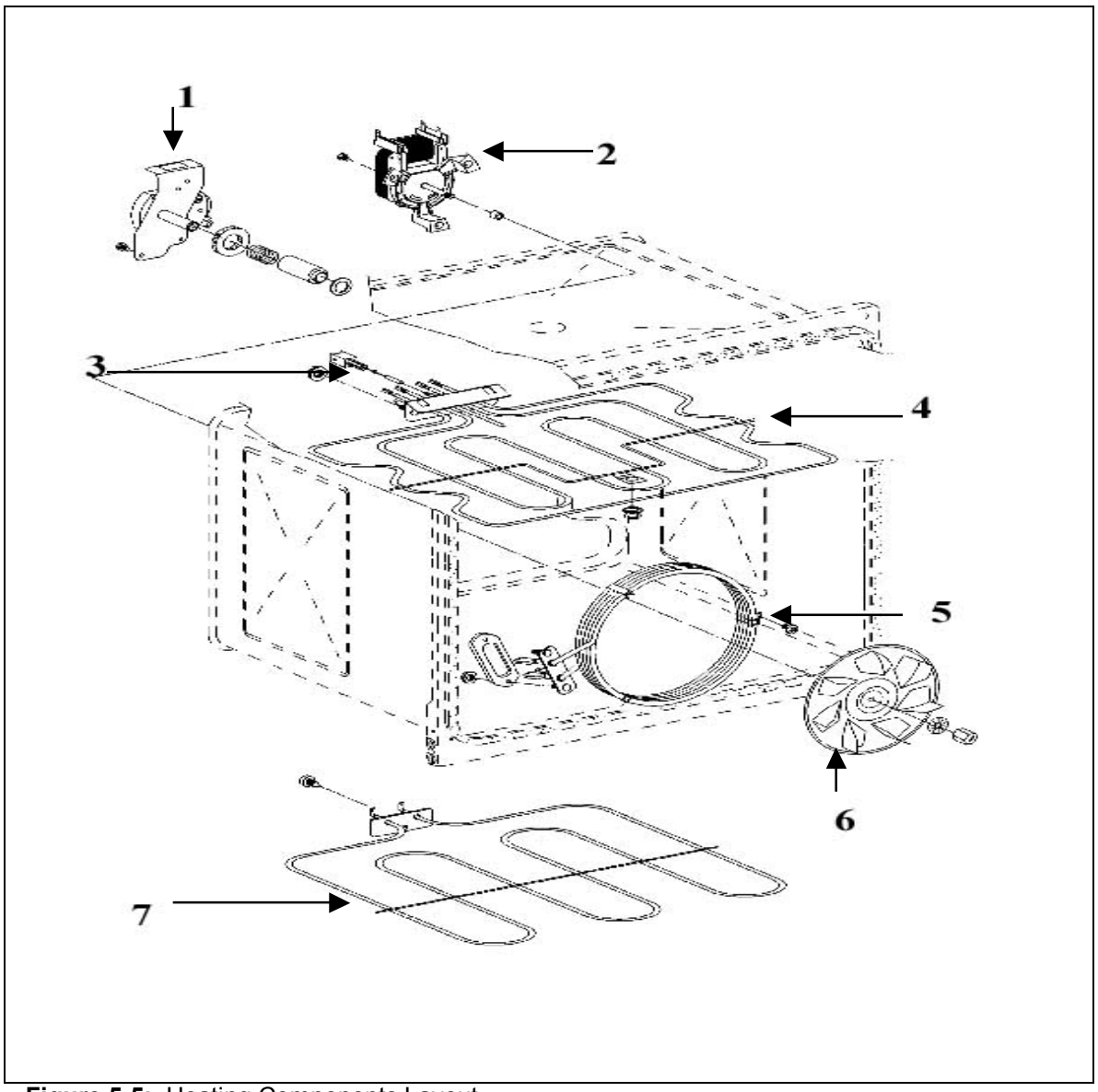

Figure 5-5: Heating Components Layout

1. Motor, Rotisserie
2. Motor, Convection Fan
3. Temp Sensor, Oven PT 1000
4. Element, Upper Heating
5. Convection Heating Element
6. Impeller, Convection
7. Element, Lower Heating

5.2 Door - Removal

Note It is advisable to remove any drawer or front panel that may be fitted below the appliance to avoid the risk of damage

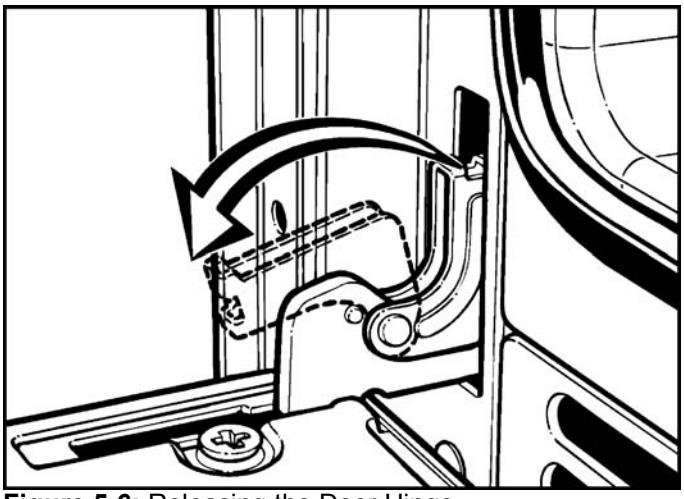

Figure 5-6: Releasing the Door Hinge

1. Fully open the door
2. Fold down the retaining brackets on each hinge

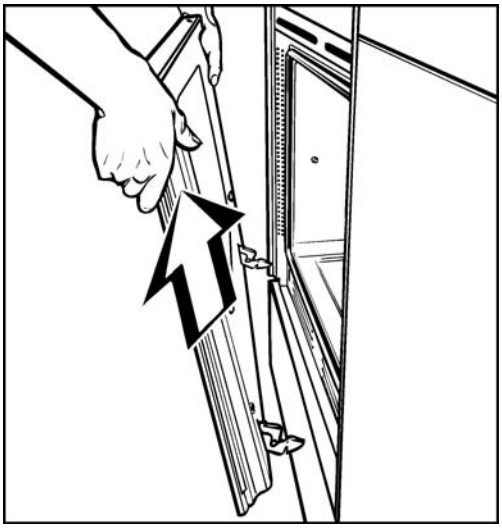

Figure 5-7: Removing the Front Door

3. Close the door beyond the point where resistance is felt and remove the door

5.3 Oven – Removal

Note It is advisable to remove any drawer or front panel that may be fitted below the appliance to avoid the risk of damage

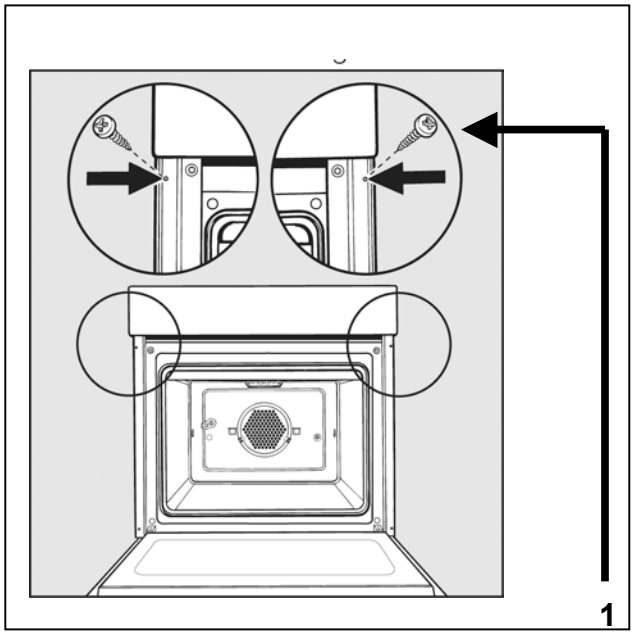

Figure 5-8: Removing the Mounting Screws

1. Perform door removal procedure
2. Remove the screws from the deflector strips
3. Slide the appliance from it's housing

5.4 Front Cover - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Remove screws from the front cover, remove cover

5.5 Fascia Panel - Removal

1. Perform door removal procedure
2. Remove the ovens mounting screws
3. Remove the knobs (if applicable) with a lid opener
4. Remove the fascia panel mounting screws
5. Pull the fascia panel forward and remove it upwards

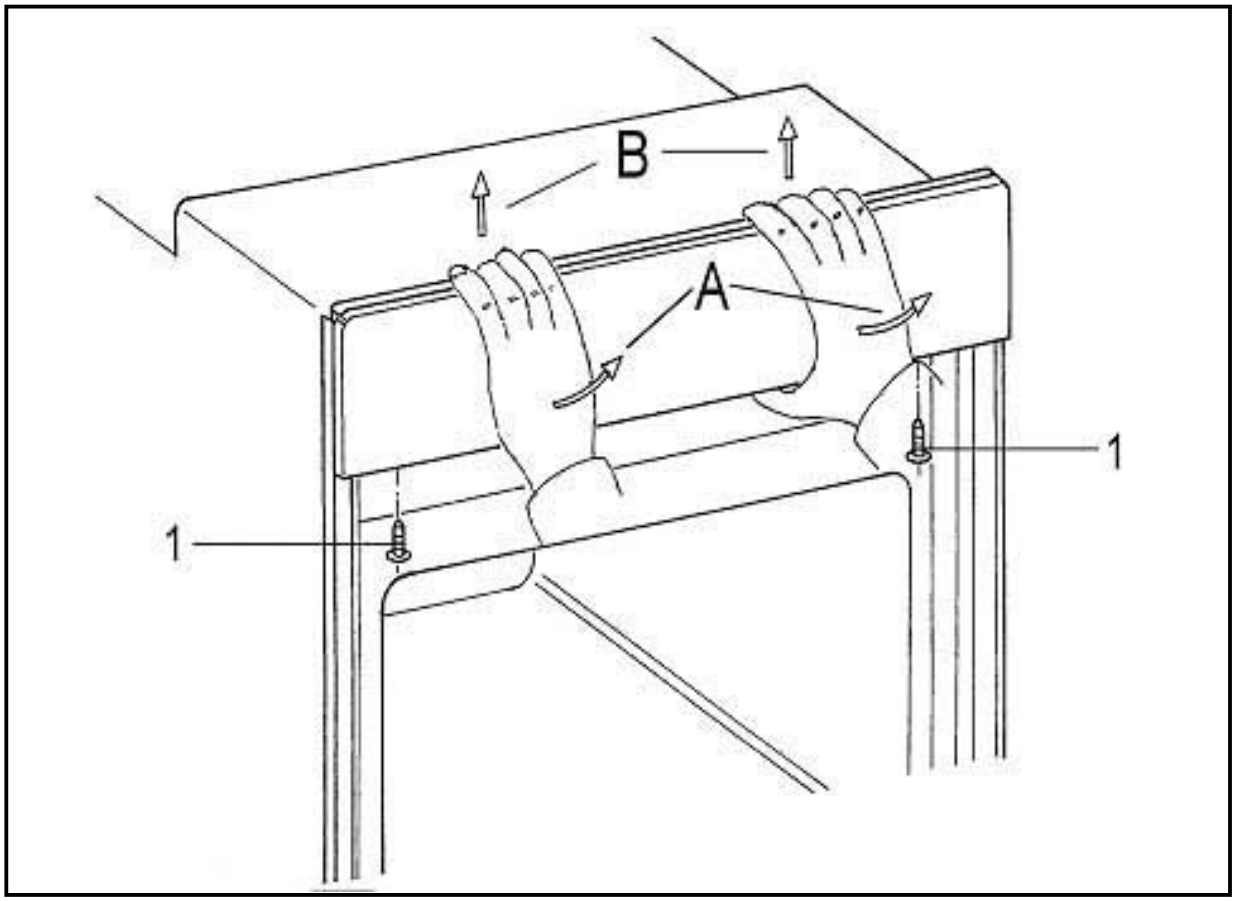

Figure 5-9: Removing the Fascia Panel

5.6 Control Module - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform fascia panel removal
6. Press the retaining lugs down and remove the control module
7. Disconnect the connection for the control module from the electronic unit

5.7 Control and Power Module - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Remove the electronic mounting screw
5. Unclip the electrical connections and remove

Warning!
To avoid the risk of damage don't touch any components on the electronic unit

Note
To avoid the risk of incorrectly connecting the electronics do a one for one swap of the connectors when replacing the electronic unit

Note
To avoid an incorrect display or faulty operation the new electronic unit must be programmed (See section 6 of this manual for details)

5.8 Rear Cover - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Remove screws from the rear cover and remove

5.9 Rear Panel - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Remove the screws from the rear panel
4. Unplug the connections at the main terminal strip
5. Remove the interference suppressor retaining screw
6. Unclip the interference capacitor
7. Remove the rear panel upwards

5.10 Left Or Right Side Panel - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Remove the appropriate screws from the left or right side panel
6. Remove the left or right side panel upwards

5.11 Left Or Right Deflector Strip - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Remove the appropriate deflector strip attachment screw from the front of the appliance

Continued on next page.

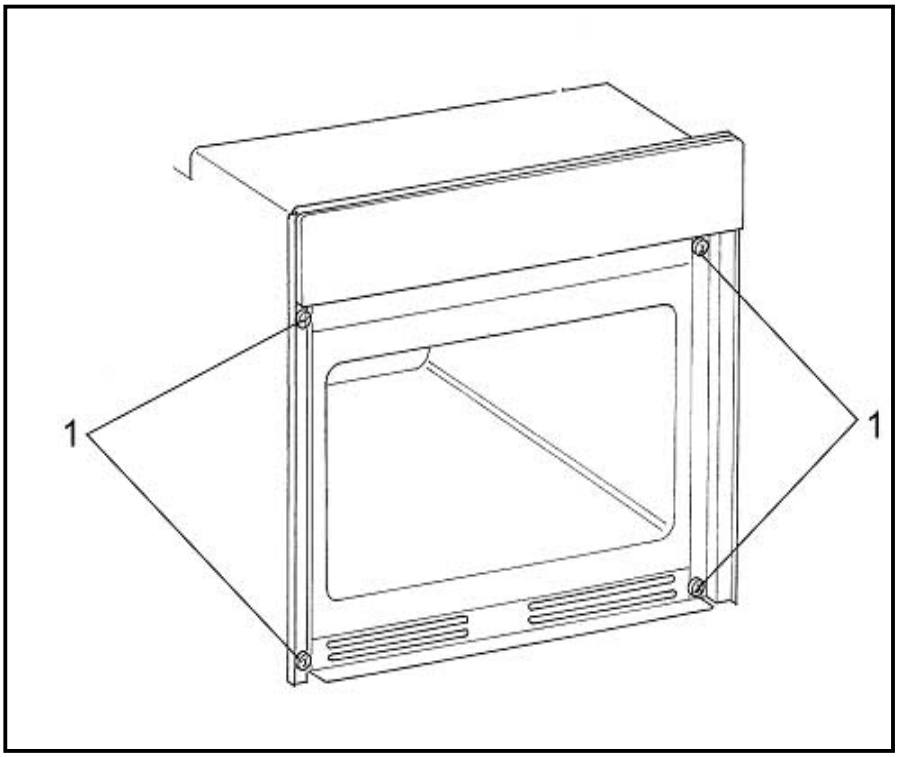

Figure 5-10: Deflector Strip Front Mounting Screws

4. Remove the appropriate screws from the rear of the appliance

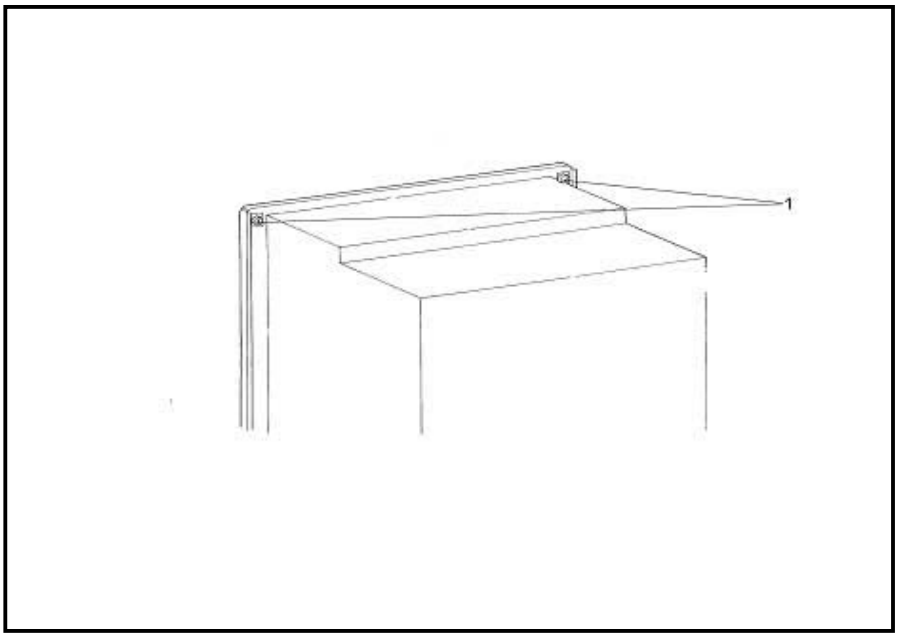

Figure 5-11: Deflector Strip Aft Mounting Screws

5. Remove the appropriate deflector strips

5.12 Left Or Right Door Hinge Bearing - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Perform left or right side paned removal
6. Perform left or right deflector strip removal
7. Remove the appropriate hinge bearing attachment screw

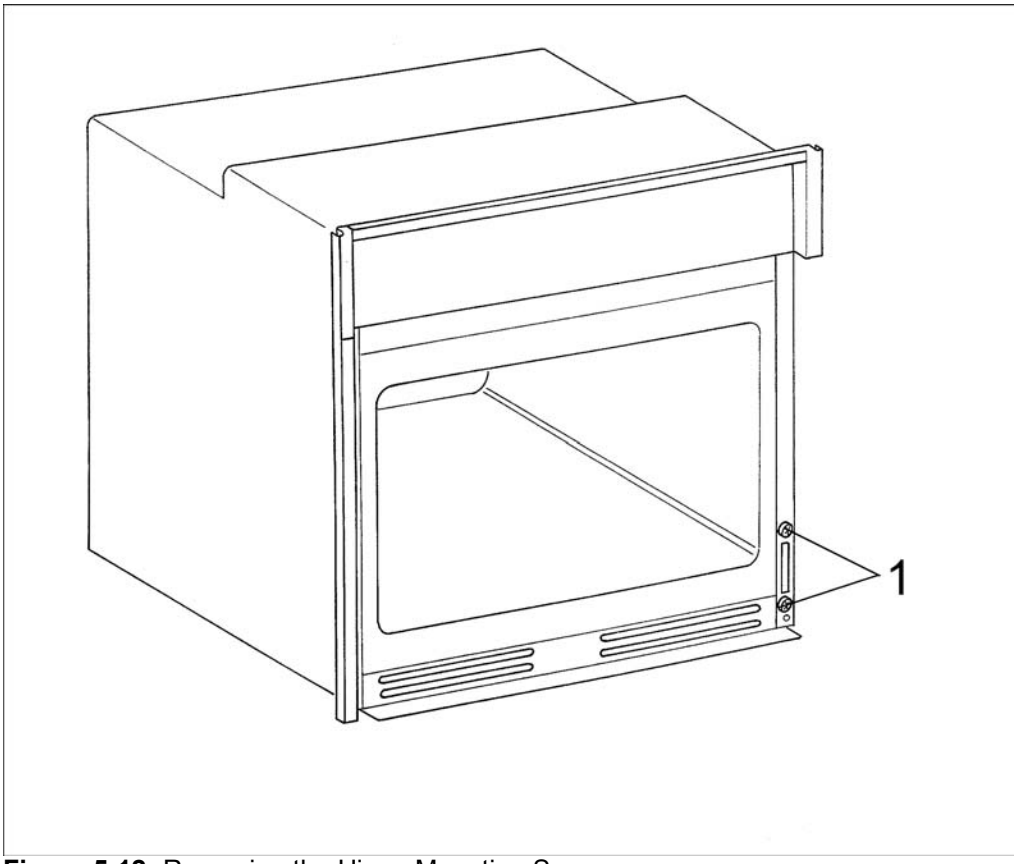

Figure 5-12: Removing the Hinge Mounting Screws

8. Remove the appropriate hinge from the rear

5.13 Cleanglass Door Panel -Removal

1. Perform door removal procedure
2. Remove the screws

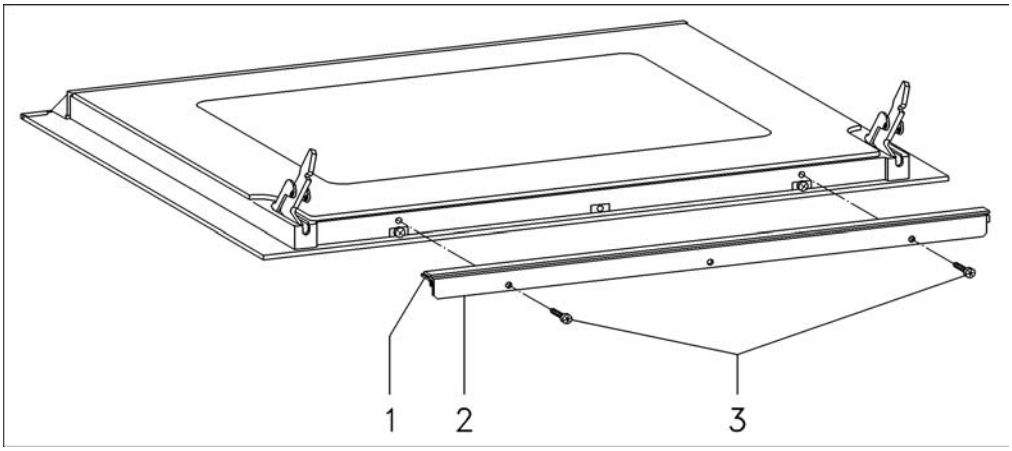

Figure 5-13: Removing the Holding Strip

3. Remove the holding strip

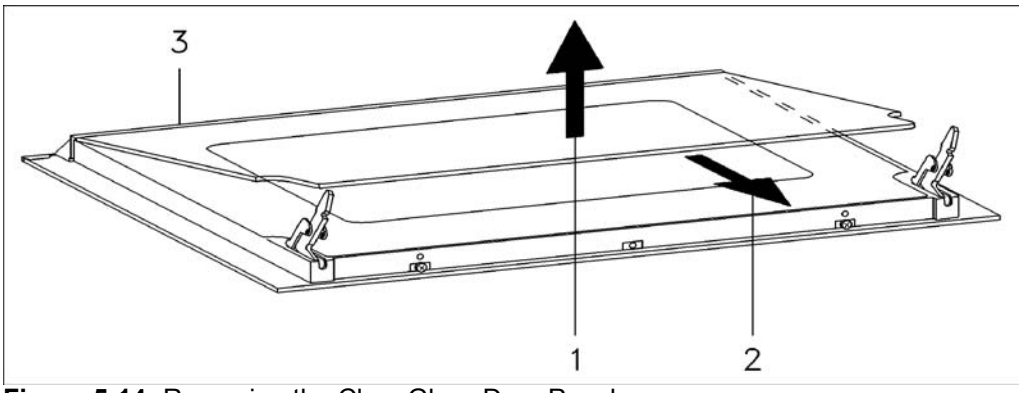

Figure 5-14: Removing the CleanGlass Door Panel

4. Lift the CleanGlass door panel slightly and slide it out of the top holding strip

Warning
When fitting the CleanGlass door panel, the loose sealing strips on the door inner panel must not slide out of position. The correct positioning of the sealing strips ensures no steam gets between the panes of glass during operation of the oven

5.14 Middle Door Glass - Removal

1. Perform door removal procedure
2. Perform the CleanGlass door panel removal procedure
3. Remove the seals from the middle door
4. Lift one corner of the middle glass, remove the glass
5. **Note:** When installing the panel ensure the Mat. No. is visible at the bottom right corner

5.15 Door - Installation

1. Insert the hinges fully in the guide holes
2. Open the door wide
3. Fold up the retaining brackets forward
4. Close the door

5.16 Halogen Lamp - Removal

1. Open the door wide
2. Using a plastic tool carefully open the Glass Cover to access the affected bulb
3. Remove and replace the halogen lamp from the socket

Note:
Ensure you do not touch the bulb with your bare hands as the oil from your skin will detract from the life of the bulb

5.17 Shelf Runner - Removal

1. Open the door
2. Pull open the quick release

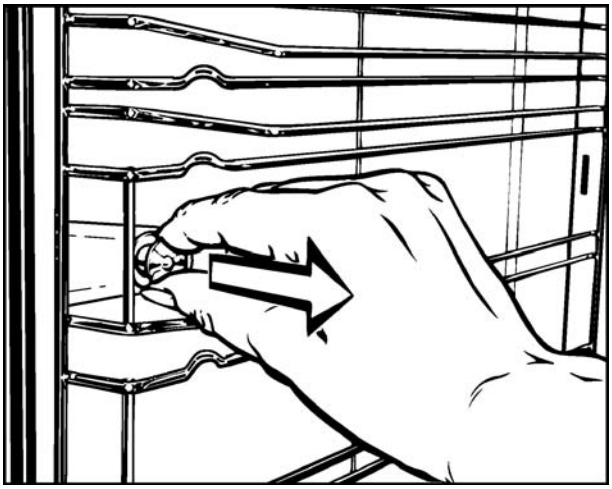

Figure 5-15: Removal of Quick Release

Continued on next page.

Shelf Runner - Removal (continued)

3. Remove the shelf runner

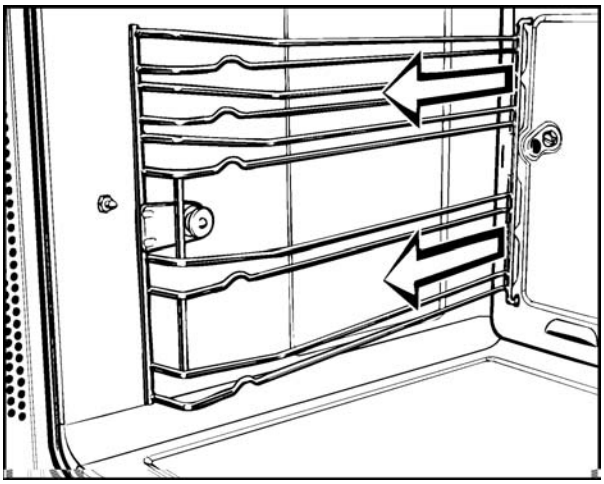

Figure 5-16: Removing the Shelf Runner

5.18 Reflector and Glass Cover - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Perform left or right side paned removal
6. Perform left or right shelf runner removal
7. Press in the retaining springs and push them into the cabinet
8. Remove the reflector upwards and disconnect the electrical connections
9. Remove the glass cover from the interior of the cabinet

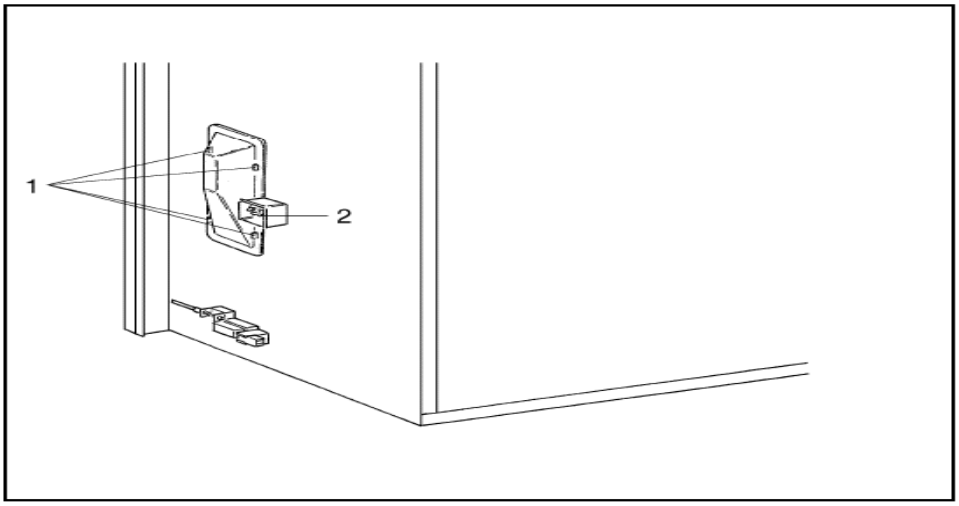

Figure 5-17: Reflector and Electrical Connection

5.19 Cavity Rear Panel - Removal

1. Perform door removal procedure
2. Perform shelf runner removal
3. Remove the 2 screws

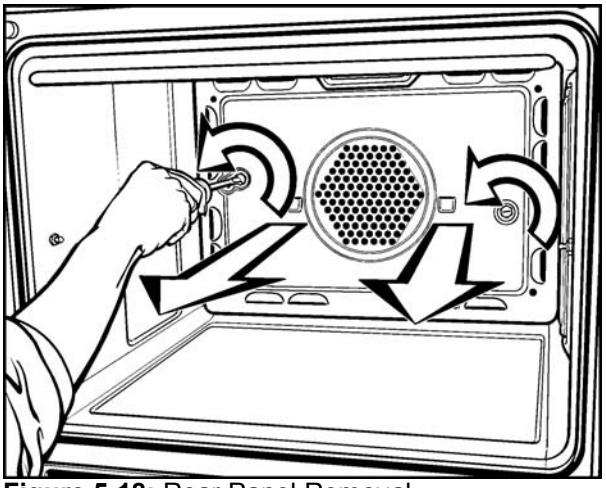

Figure 5-18: Rear Panel Removal

4. Remove the rear panel

Note
Extreme care must be taken to ensure the oven cavity isn't scratched or damaged in any way during this procedure

5.20 Upper Heater Element - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Perform rear panel removal
6. Perform shelf runner removal
7. Remove the temperature PTC sensor

Continued on next page.

Upper Heater Element - Removal (continued)

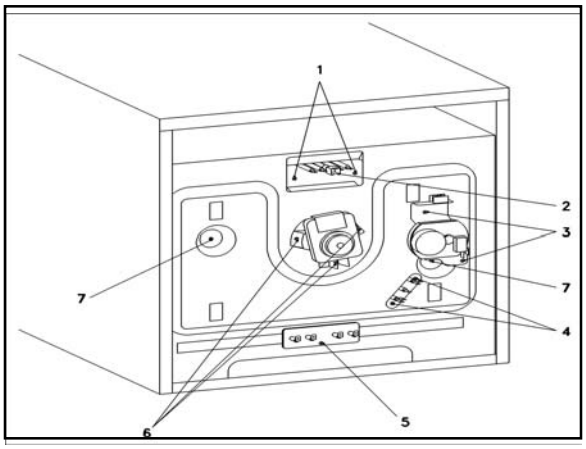

Figure 5-19: Rear View of Oven (H350 shown)

8. Disconnect the electrical connections from the roof/grill heater element
9. Remove the 2 nuts securing the element
10. Release the upper heater element retainer and tilt the roof/grill heater element down
11. Remove the upper heating element at a downward angle

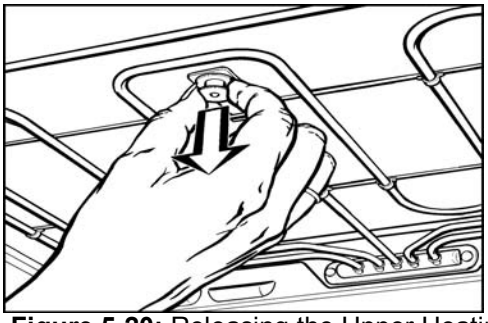

Figure 5-20: Releasing the Upper Heating Element Retainer

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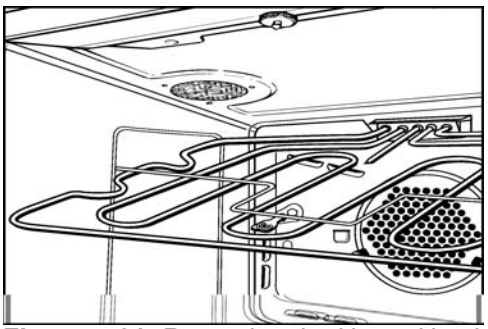

Figure 5-21: Removing the Upper Heating Element

Note: When installing the temperature PTC sensor ensure it's pushed fully into its slot on the roof/grill heater element

12. Install the new element in the reverse order of the removal steps

5.21 Lower Heater Element - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform rear panel removal
4. Disconnect the electrical connections from the floor heating element at the rear
5. Remove the floor heating element mounting screw
6. Remove the insulation and floor heating element
7. Install the new element in the reverse order of the removal steps

Note
After installing the element the insulation must be re-installed

5.22 Oven Temperature Sensor - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Perform rear panel removal
6. Remove the sensor with its cap
7. Disconnect wiring from the PTC sensor

Note
When installing the PTC sensor ensure it is fully pushed into its socket

5.23 Temperature Regulator – Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform rear panel removal
4. Remove the retaining screws from temperature regulator
5. Remove the temperature regulator and disconnect its wiring

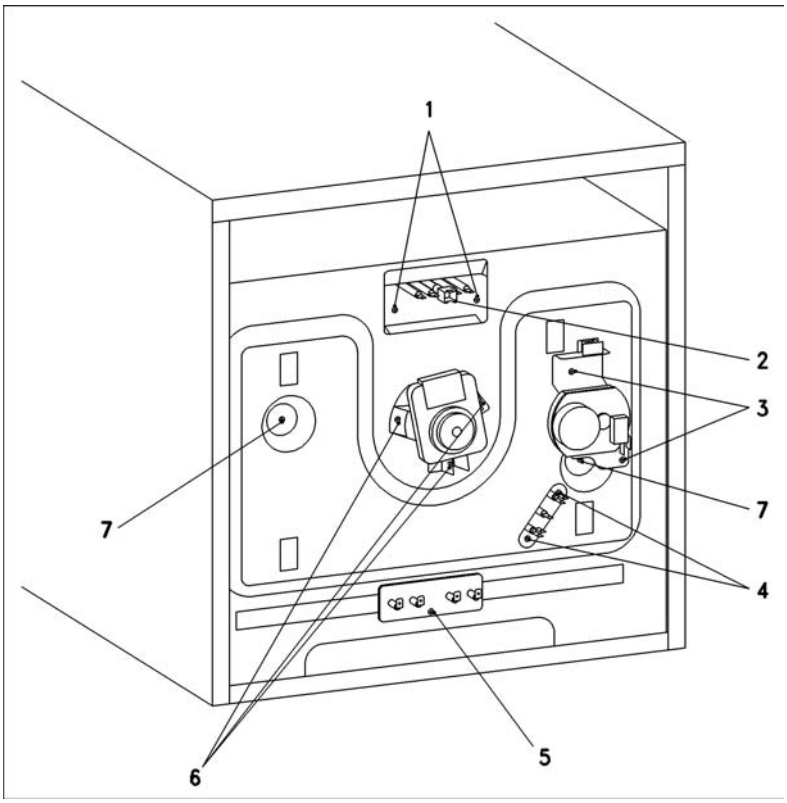

Figure 5-22: Rear View of the Oven (H350 Shown)

5.24 Convection Heating Element - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform rear panel removal
4. Perform shelf runner removal
5. Perform enamel rear panel removal
6. Remove the convection heating element retaining screw from the oven cavity
7. Disconnect the electrical connections from the fan element at the rear
8. Remove the insulation strips
9. Remove the element

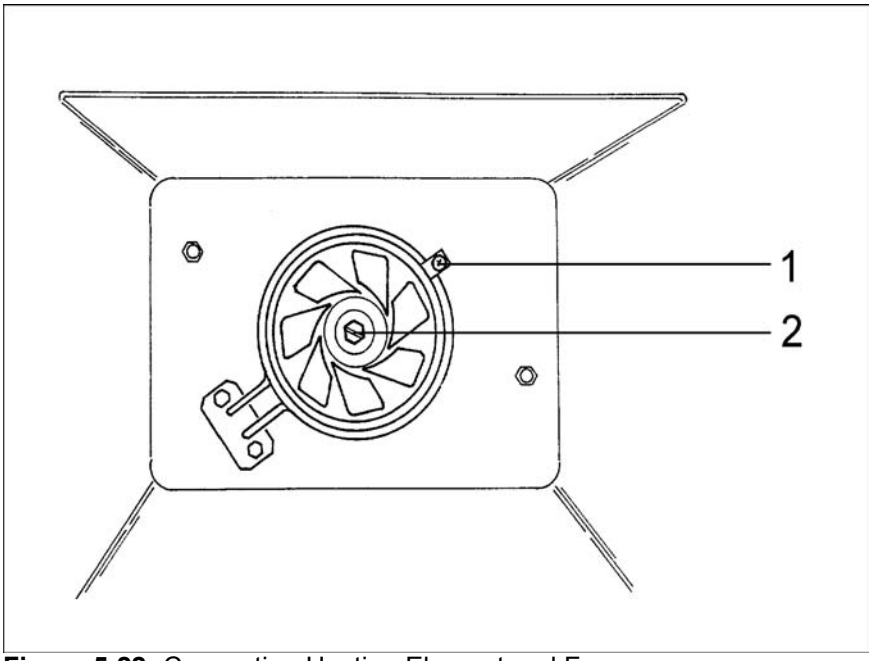

Figure 5-22: Convection Heating Element and Fan

5.25 Convection Heating Fan - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform rear panel removal
4. Perform shelf runner removal
5. Perform enamel rear panel removal

Note:
The impeller nut has left handed threads

6. Remove the impeller nut
7. Remove the impeller and its washer
8. Disconnect the fans electrical connections at the rear of the unit
9. Remove the fans retaining screws
10. Remove the fan

5.26 Fumes Extractor - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Remove the air guide duct mounting screws
6. Remove the air guide duct
7. Remove the outlet connection
8. Remove the fumes extractor mounting screws from the cavity
9. Remove the fumes extractor upwards

5.27 Cooling Fan - Removal

1. Perform oven removal
2. Perform front cover removal
3. Perform rear cover removal
4. Remove the vent duct retaining screw from the catalyser cover or supporting bracket for models without catalyser
5. Remove the cooling fans mounting screws
6. Disconnect the cooling fans electrical connections
7. Lift the vent duct slightly and remove fan

5.28 Catalyser - Removal (Pyrolytic/Self-Cleaning Models)

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Remove the control module mounting screw
6. Unclip the control module and slide it forwards slightly so that the vent duct retaining screw is accessible
7. Remove the vent duct retaining screw
8. Remove the vent duct
9. Remove the catalyser Pt 1000 temperature sensor mounting screw
10. Remove the catalyser Pt 1000 temperature sensor
11. Perform shelf runner removal
12. Remove the roof/grill heater element retainer and tilt the roof/grill heating element downwards
13. Remove the catalyser mounting nuts from the interior of the oven
14. Disconnect the catalyser heating element
15. Remove the catalyser upwards

5.29 Catalyser Temperature Sensor - Removal (Pyrolytic/Self-Cleaning Models)

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Remove the catalyser PT 1000 temperature sensor mounting screw
6. Remove the catalyser PT 1000 temperature sensor
7. Disconnect the Pt 1000 temperature sensor connections at the electronic unit

Note:
Cut through the wiring harness ties. New wiring harness ties are supplied with a new Pt 1000 sensor

5.30 Door Latch - Release (Pyrolytic/Self-Cleaning Models)

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Perform left or right side paned removal

Warning:
Do not remove the mounting screw for the spring

6. Partially unscrew the spring mounting screw until the lock can be pulled out

Warning:
When tightening the screw during the install procedure ensure it engages properly in the cable thread.

5.31 Door Lock Cable – Removal (Pyrolytic/Self-Cleaning Models)

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Perform left or right side paned removal
6. Perform door lock release removal
7. Unscrew the locking device retaining screws
8. Unscrew the door lock cable mounting screw from the underside of the locking device
9. Loosen the door lock cable counter nut on the underside of the locking device
10. Remove the door lock cable from the first guide
11. Loosen the second door lock cable counter nut
12. Remove the door lock Cable from the second guide

5.32 Door Switch - Removal

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Perform left or right side paned removal
6. Remove the door contact switch connections
7. Remove the door contact switch retaining screws
8. Remove the door contact switch

5.33 Door Locking Device – Removal (Pyrolytic/Self-Cleaning Models)

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear cover removal
5. Perform left or right side paned removal
6. Perform door contact switch removal
7. Disconnect the electrical connections
8. Unscrew the Door lock cable mounting screw from the underside of the locking device
9. Loosen the Door lock cable counter nut on the underside of the locking device
10. Remove the Door lock cable from the first guide
11. Remove the locking device

5.34 Temperature Regulator - Removal (Pyrolytic/Self-Cleaning Models)

1. Perform door removal procedure
2. Perform oven removal
3. Perform front cover removal
4. Perform rear panel removal
5. Disconnect the pyrolitic temperature regulator connections
6. Remove the pyrolitic temperature regulator retaining screws
7. Remove the pyrolitic temperature regulator

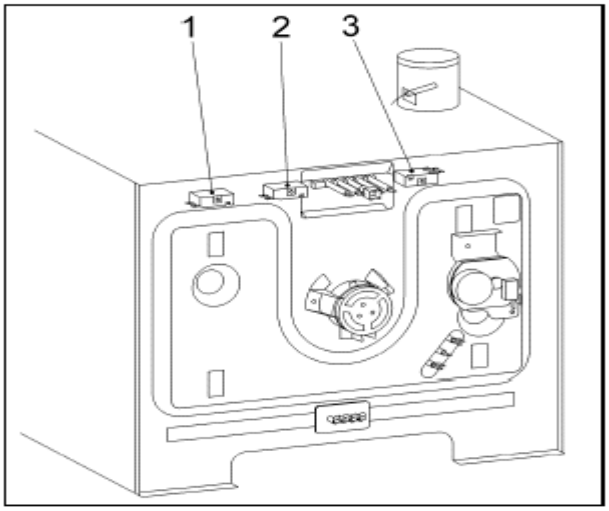

Figure 5-24: Temperature Regulators

Warning
When installing, the temperature regulator sensor must rest on the oven cavity. The sensor must not be inserted in the insulation

5.35 Door Lock Manual Override

Danger!
Risk of burning! Only override the door lock after the appliance is cooled

Note
With the oven door closed use a long Torx screwdriver to remove the screw as shown in Fig 5-24 (1)

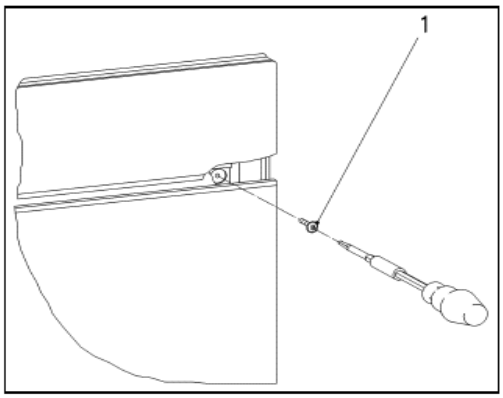

Figure 5-25: Screw Removal

1. Remove the screw

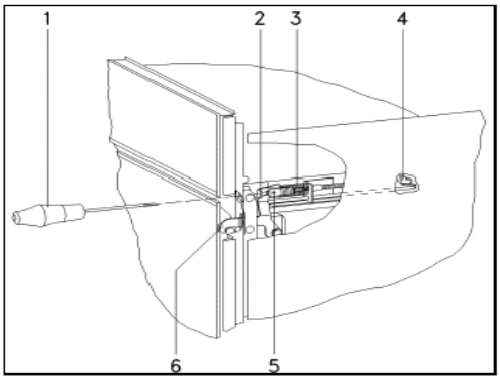

Figure 5-26: Manually Activating the Door Latch

2. Insert a small screwdriver through the screw hole of the screw you just removed. Press in the door latch.

Note
By pressing the door latch the door lock is raised and the door can be opened

3. With the door latch pressed, open the door

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6.0 Fault Diagnosis

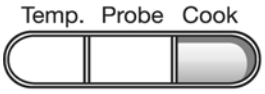
6.1 Service Modes

Initial requirements

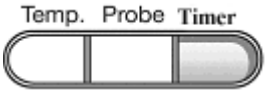
Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector switch to Defrost
3. For H350 models Press the “Cook” button 3 times within 2 seconds



4. For H373/H387 Models press the “Timer” button 3 times within 2 seconds



Acknowledgement indicator

The display shows --00

Procedures

1. Wait approximately 10 seconds

2. Press the – or + buttons as appropriate to the desired service mode position in accordance with table 6-1 and 6-2

Note
The service mode will be cancelled automatically after it has operated for 5 minutes or if a power loss occurs for more then 1 second

Continued on next page.

Position	Display	Machine Response
0	--00	None
1	e.g. H 01	Programmed model variant displayed see Table 6-1
2	e.g. -001	Electronic version
3	--03	Vacant
4	--04	Vacant
5	--05	Vacant
6	--06	Vacant
7	--07	Vacant
8	--08	Cooling fan at baking speed (Hi)
9	--09	Cooling fan at run-on speed (Low)
10	--10	Convection fan at max speed (Max)
11	--11	Convection fan at min speed
12	--12	Oven lights on
13	88:88	Display test
14	--14	Buzzer on
15	--15	Vacant
16	e.g. 65 C –shown if roast probe not connected	Actual temp detected by roast probe
17	--17	Vacant
18	--18	Vacant
19	--19	Vacant
20	--20	Vacant
21	--21	Cooling fan activated at pyrolitic cleaning speed (since electronic version ID 377)
22	--22	Door Lock (H387BP KAT only)
23	FREI	Vacant
24	--24	Demonstration mode activated
25	--25	Fault Code retrieval
26	FREI	Vacant
27	e.g. 0012	Operating hours for Fan Heat and Auto Roast

Table 6-2: Service Mode Positions (Continued on Table 6-2)

28	e.g. 0045	Operating hours for Convection Heating
29	e.g. 0009	Operating hours for Grill 1 and Grill 2
30	FREI	Vacant
31	--31	Model, regulator programming and frequency programming
32	e.g. P 01	Regulator parameter display
33	e.g. 60 F	Power Frequency (Set to 60 Hz on all US Models)

Table 6-2: Service Mode Positions (Continued from Table 6-1)

Save and quit service mode

Press and hold the “Cook” or “Timer” button (depending on your model) for more then 3 seconds

6.2 Fault Codes

Access the fault codes by entering service mode and proceed to step 25 as per table 6

6.2.1 Fault Code F3

Cause
Roast probe short-circuited

Remedy
Replace the Roast probe

6.2.2 Fault Code F4

Cause
Oven PTC temperature sensor open-circuited

Remedy
Replace the PTC sensor

6.2.3 Fault Code F5

Cause
Oven PTC temperature short-circuited

Remedy
Replace the PTC sensor

6.2.4 Fault Code F6

Cause
Safety cutouts tripped

Remedy
Turn the selector switch to “O” to reset the cutout.

6.2.5 Fault Code F9

Cause
The electronic temperature is too high (Temp > 175 degrees F) because of insufficient cooling air or lack of proper ventilation

Remedy
Check the cooling air and vapor paths.

Ensure the cabinet that houses the oven allows for proper ventilation (refer to operating instructions)

Cause
The electronic temperature is too high (Temp > 175 degrees F) because the cooling fan is defective.

Remedy
Replace the cooling fan

6.2.6 Fault Code F13

Cause:
The door-locking device (Pyrolitic) does not close because its drive is defective

Remedy:
Replace locking device

Cause:
The door-locking device (Pyrolitic) does not close because the door cable is defective

Remedy:
Replace the door lock cable

Cause:
The door-locking device (Pyrolitic) does not close because the door temperature regulator is defective

Remedy:
Replace the door temperature regulator

6.2.7 Fault Code F14

Cause:
The door-locking device (Pyrolitic) does not close because its drive is defective

Remedy:
Perform door lock manual override

Replace locking device

Cause:
The door-locking device (Pyrolitic) does not close because the door cable is defective

Remedy:
Perform door lock manual override

Replace the door lock cable

Continued on next page.

Fault Code F14 (Continued)

Cause:
The door-locking device (Pyrolitic) does not close because the door temperature regulator is defective

Remedy:
Perform door lock manual override

Replace the door temperature regulator

6.2.8 Fault Code F15

Cause:
The correct pyrolitic temperature has not been reached after 120 minutes because the level of soiling is too high or food was left in the oven

Remedy:
Clean the oven or remove food from it

Cause:
The correct pyrolitic temperature has not been reached after 120 minutes because the grill heater element is defective

Remedy:
Replace the roof/grill heater element

Cause:
The correct pyrolitic temperature has not been reached after 120 minutes because the convection heater element is defective

Remedy
Replace the convection heating element

Cause:
The correct pyrolitic temperature has not been reached after 120 minutes because the catalyser is defective

Remedy:
Replace the catalyser

Cause:
The correct pyrolitic temperature has not been reached after 120 minutes because the catalyser Pt 1000 sensor is defective

Remedy:
Replace the catalyser Pt 1000 sensor

6.2.9 Fault Code F16

Cause
Identity lost, programmed model variant has been deleted

Remedy
Reprogram the model variant

6.2.10 Fault Code F17

Cause
The catalyser temperature sensor Pt 1000 is open-circuited or its resistance is too great

Remedy
Replace the Pt 1000 sensor

6.3 Fault Repair

6.3.1 Excessive Noise During Convection Fan Operation

Cause

Convection heating element defective

Note
To check the convection element, insert a screwdriver opening to used to hold the grease filter and press lightly on the element while the convection fan is running. If the noise stops replace the convection element

Parts required

Quantity	Material Number	Nomenclature
1	04986670	Fan oven element (ring)

Remedy

Replace the convection heating element

Cause

The fan axel has too much play

Remedy

Replace the convection heating fan

6.3.2 Selected Temperature Exceeded

Symptom

The unit heats up to a higher temperature then selected. The selecting operating mode and temperature registered by the electronic unit and heating takes place to the desired temperature. If a software fault were to occur the electronic will increase the temperature until the safety thermostat activates to cut off the heat. The increased temperature will be displayed.

Cause

Software fault in the electronic unit EPL 710-712

Parts required

Quantity	Material Number	Nomenclature
1	04996455	Electronic unit EPL 710
1	05290132	Electronic unit EPL 712

Remedy

Replace applicable electronic and program

6.3.3 Excessive Noise During Cooling Fan Operation

Symptom

Loud operational noises with 220-240 Volt fans

Cause

Unknown

Series modification

Since machine no. 00/27407544 a modified fan has been fitted.

Parts required

Quantity	Material Number	Nomenclature
1	05079491	Cooling fan

Remedy

Install the new fan

6.3.4 Misting of Interior Door Panel

Symptom

Door steams up between glass door panels

Cause

Moist ambient air containing grease, dust particles and residual moisture settle on the glass panels

Series modification

Since machine no. XX/28227847 the doors have been modified with spacers and seals

Parts required

Quantity	Material Number	Nomenclature
1	05750480	Conversion kit for –2 and –3 panel doors

Remedy

On models up to XX/28227847 install the conversion kit

6.3.5 Misting Behind Display

Symptom

The timer and digital display are misted up on the inside

Cause

Condensation forms behind the fascia panel from the moisture content of food

Series modification

Since machine no. XX/28227847 the doors have been modified with spacers and seals

Parts required

Quantity	Material Number	Nomenclature
1	05150680	Sealing strip
1	05418400	Ventilation panel

Remedy

- Install sealing strip
- Install ventilation panel
- Ensure the hinges are not bent. The door must close properly so the seal makes contact all around the door

6.3.6 Unit - Does Not Heat

Symptom

The oven does not heat up and the fan doesn't operate

Cause

The door contact switch is not activated

The door contact switch actuator slips against the inner door panel and does not activate the switch

Parts required

Quantity	Material Number	Nomenclature
1	04891660	Actuator
1	04780890	Bushing
1	00034676	Spring washer

Remedy

- Ensure the switch mounting plate is seated correctly
- Install the aforementioned items under the parts required list

Note:
If the oven doesn't heat ensure it isn't in Demonstration Mode. Refer to Chart 6-2 to determine if the oven is in demonstration Mode

6.3.7 Self Cleaning (Pyrolitic Mode) Can't Be Switched Off

Symptom

After pyrolitic cleaning the unit cannot be switched off and a different operating mode cannot be selected. "PYRO" remains in the display

Cause

Software fault in the electronic unit EPL 712

Parts required

Quantity	Material Number	Nomenclature
1	05290132	Electronic unit EPL 712

Remedy

Replace the Electronic unit

Note:
The unit can be used again after switching the main power off and on or by resetting the clock. It can then be used normally until the next pyrolytic cleaning cycle.

6.3.8 Model Number, Operating Parameter and Frequency Supply Voltage Programming

To avoid incorrect display or faulty operation, a new electronic unit must be programmed

Note:
If a new electronic is **not** properly programmed the following will occur:

1. H 00 is displayed as the model type in service mode 1
2. Service mode 1 is automatically cancelled if position 31 isn't selected within 13 seconds
3. All functions will be based on model variant H01

Initial Requirements

Turn the selector switch to "O"

Accessing

1. Open the door fully
2. Turn the selector switch to "Defrost"
3. Press the "Cook" or "Timer" button depending on the model 3 times within 2 seconds

Acknowledgement Indicator
Model Number Programming

1. The display shows --00
2. Wait approximately 10 seconds (optical interface check)
3. Press the "-" or "+" button as appropriate to advance to position 31
4. Press and hold the "Probe" button until a model variant is displayed e.g. H 01
5. Press the "-" or "+" buttons as appropriate to select the desired model variant as per Table 6-3

Warning!
If the model variant H 06 is programmed with a single oven (not a double oven), any further reprogramming will not be possible

Model Programmed Value	Models
H 01	H 370, H 373
H 02	N/A
H 03	N/A
H 04	H 387
H 05	B 2 top oven (not selectable since electronic unit ID 377)
H 06	B 2 bottom oven (not selectable since electronic unit ID 377)
H 07	H 350
H 08	N/A

Table 6-3: Model Programmed Values

Operating Parameters

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. The model variant is now saved and the service mode advances to the regulator parameter position. The regulator parameter matches the oven temperature control to the model version
3. Press the “-“ or “+” button as appropriate to select the desired regulator parameter

Regulator Parameter	Model Version
P 01	50/60 cm model, grill
P 02	70 cm model
P 03	70 cm model for USA pyrolysis
P 04	60 cm model with pyrolysis (EPL 712)

Table 6-4: Regulator Parameters

Supply Voltage Frequency

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. The regulator parameter is then saved and the service mode advances to the electrical frequency position
3. Press the “-“ or “+” button as appropriate to select the desired electrical frequency

Power Frequency	Applicable Country
50 hz	Not Used on USA Models
60 hz	All USA Models

Table 6-5: Power Frequency

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect electrical power for approximately 10 seconds

6.3.9 Programmed Model Variant Display

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 1
3. The display shows the programmed variant, e.g. H 01

Save and Quit

Press and hold the “Cook” or “Time” button for more then 3 Seconds

6.3.10 Electronic Version - Display

Initial requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 2
3. The display shows the software version --001

Save and Quit

Press and hold the “Cook” or “Time” button for more then 3 seconds

6.3.11 Cooling Fan - Activation (Baking Speed) Hi

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 8
3. The display shows --08. The cooling fan is activated at baking speed

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.12 Cooling Fan - Activation (Run-On Speed) Low

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 9
3. The display shows --09. The cooling fan is activated at run-on speed

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.13 Convection Fan - Activation (Max Speed)

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 10
3. The display shows --10. The oven fan is activated at max speed

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.14 Convection Fan - Activation (Min Speed)

Initial requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 11
3. The display shows --11. The oven fan is activated at min speed

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.15 Oven Lights - Activation

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 12
3. The display shows --12. The oven lights are activated

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.16 Display Check

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 13
3. The display shows 88:88. All displays and all segments are activated

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.17 Buzzer Activation

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 14
3. The display shows --14. The buzzer is activated

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.18 Roast Probe Temperature

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 16
3. The display shows --16. The display shows the actual temperature of the roast probe. If not connected -- appears in the display.

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.19 Cooling Fan Activation at (Pyrolytic Cleaning)

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)

Note:
Position 21 is only accessible with pyrolitic models since electronic version ID 377

2. Press the “-“ or “+” button as appropriate to advance to service mode position 21
3. The display shows --21. The cooling fan is activated at pyrolitic cleaning speed

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.20 Door Lock - Activation

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully\
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 22
3. The display shows --22. The door lock motor is activated

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.21 Demonstration Mode - Activation

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 24
3. The display shows --24. The demonstration mode is activated (heating elements cannot be turned on)

Save and Quit

Press and hold the “Cook” or “Time” button for more then 3 seconds

6.3.22 Demonstration Mode - Deactivation

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

Wait approximately 10 seconds (optical interface check)

Save and Quit

Press and hold the “Cook” or “Time” button for more then 3 seconds. The demonstration mode is deactivated

6.3.23 Fault Codes – Retrieval and Deletion

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 25
3. The display shows --25. The child-safety feature is activated: all activated rings are switched off
4. All faults detected are displayed in coded form, e.g. --F8
   CORR is displayed when no fault is registered.

Save and Quit

1. Press and hold the “Cook” or “Time” button for more then 3 seconds
2. Disconnect power from the oven for approximately 10 seconds to reset the electronic

6.3.24 Operating Hours (Fan Heat and Auto Roast)

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 27
3. The display shows the operating hours for “Fan Heat” and “Auto Roast”

Save and Quit

Press and hold the “Cook” or “Time” button for more then 3 seconds

6.3.25 Operating Hours (Convection Heating)

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 28
3. The display shows the operating hours for “Convection Heating”

Save and Quit

Press and hold the “Cook” or “Time” button for more then 3 seconds

6.3.26 Operation Hours For Heating Elements

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 29
3. The display shows --29. The child-safety feature is activated: all activated rings are switched off

Save and Quit

Press and hold the “Cook” or “Time” button for more then 3 seconds

6.3.27 Regulator Parameter

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 32
3. The display shows the regulator parameter, e.g. P01

Note:
The regulator parameter can only be modified via service mode 31

Save and Quit

Press and hold the “Cook” or “Time” button for more then 3seconds

6.3.28 Supply Power Frequency Setting

Initial Requirements

Turn the selector switch to “O”

Accessing

1. Open the door fully
2. Turn the selector to “Defrost”
3. Press the “Cook” or “Timer” button depending on the model 3 times within 2 seconds

Acknowledgement Indicator

The display shows --00

Options

Note:
The service mode will be cancelled automatically after 5 minutes or there is a power loss of more then 1 second

1. Wait approximately 10 seconds (optical interface check)
2. Press the “-“ or “+” button as appropriate to advance to service mode position 33
3. The display shows the electrical frequency

Note:
The electrical frequency can only be modified via service mode 31, see par 6.3.3

Save and Quit

Press and hold the “Cook” or “Time” button for more then 3 seconds

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6.4 Programming Mode

6.4.1 Programming Mode Summary

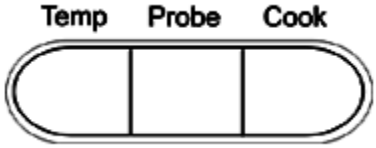
Initial Requirements

Turn the selector switch to “O”

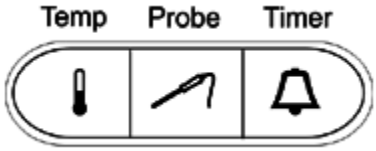
Accessing

1. Open the door fully
2. Turn the selector switch to “Light”
3. Press the “Temp” button

H 350



H373/H387



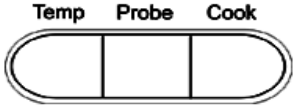
Acknowledgement Indicator

The indicator shows 01:00 or the most recently modified programmable function

Options

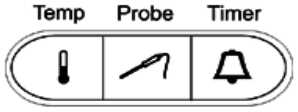
Press the “-“ or “+” buttons as appropriate to advance to the desired programmable function. Refer to table 6-1 for options.

On the H350 press the “Cook” button to toggle between the available options



Continued on next page.

On the H373/H387 press the “Timer” button to toggle between the available options



Option	Activated or not Activated	Result
01:0	Not activated	Locking function off
01:1	Activated	Locking function on
02:0	Not activated	Vacant
02:1	Activated	Vacant
03:0	Not activated	Oven light activated when operating mode is selected
03:1	Activated	Oven light activated when door is opened
04:0	Not activated	Temperature in Celsius, timer display with 24-hour clock
04:1	Activated	Temperature in Fahrenheit, timer display with 24-hour clock
05:0	Not activated	Oven light switched off after 15 seconds
05:1	Activated	Oven light always on during operation
06:0	Not activated	Rapid heat on
06:1	Activated	Rapid heat off
07:0	Not activated	Clock display shows current time
07:1	Activated	Clock display advanced by one hour
08:0	Not activated	Clock display shows current time
08:1	Activated	Clock display turned back by one hour
09:0	Not activated	Buzzer on
09:1	Activated	Buzzer off

Table 6-6: Programming Mode Positions

6.4.2 Locking Function - Off

Standard setting. The selected operating mode and temperature can be modified at any time.

Initial Requirements

Turn the selector switch to "0"

Accessing

1. Open the door fully
2. Turn the selector switch to "Light"
3. Press the “Temp” button

Acknowledgement Indicator

The display shows 01:0 or the most recently modified programmable function

Options

1. Press the “-“or “+” buttons as appropriate to advance to programmable function 01
2. Press the “Cook” or “Timer” button depending on the model to select option 0
3. The display shows 01:0

Save and Quit

Turn the selector switch to "0"

6.4.3 Locking Function - On

After the operating mode and temperature have been selected and the control lamps of the “-“ and “+” buttons have switched off, the set operating mode can no longer be altered and the set temperature can only be reduced. Changes to the desired operating mode, temperature and possible cooking time programming can then only be made after the selector switch has been turned to "0".

Initial Requirements

Turn the selector switch to "0"

Accessing

1. Open the door fully
2. Turn the selector switch to "Light"
3. Press the “Temp” button

Acknowledgement Indicator

The display shows 01:0 or the most recently modified programmable function

Options

1. Press the “-“or “+” buttons as appropriate to advance to programmable function 01
2. Press the “Cook” or “Timer” button depending on the model to select option 0
3. The display shows 01:0

Save and Quit

Turn the selector switch to "0"

6.4.4 Oven Light Activated When Operating Mode is Selected

Standard setting

Initial Requirements

Turn the selector switch to "0"

Accessing

1. Open the door fully
2. Turn the selector switch to "Light"
3. Press the “Temp” button

Acknowledgement Indicator

The display shows 01:0 or the most recently modified programmable function

Options

1. Press the “-“or “+” buttons as appropriate to advance to programmable function 03
2. Press the “Cook” or “Timer” button depending on the model to select option 0
3. The display shows 03:0

Save and Quit

Turn the selector switch to "0"

6.4.5 Oven Light Activated When Door is Open in All Settings

The oven light is on when the door is opened even if the selector switch is turned to “O”

Initial Requirements

Turn the selector switch to "0"

Accessing

1. Open the door fully
2. Turn the selector switch to "Light"
3. Press the “Temp” button

Acknowledgement Indicator

The display shows 01:0 or the most recently modified programmable function

Options

1. Press the “-“or “+” buttons as appropriate to advance to programmable function 03
2. Press the “Cook” or “Timer” button depending on the model to select option 1
3. The display shows 03:1

Save and Quit

Turn the selector switch to "0"

6.4.6 Temperature Display - Time (12 or 24 Hour Clock)

Standard setting

Initial Requirements

Turn the selector switch to "0"

Accessing

1. Open the door fully
2. Turn the selector switch to "Light"
3. Press the “Temp” button

Acknowledgement Indicator

The display shows 01:0 or the most recently modified programmable function

Options

1. Press the “-“or “+” buttons as appropriate to advance to programmable function 04
2. Press the “Cook” or “Timer” button depending on the model to select option 0 for 24 hour clock option 1 for 12 hour clock
3. The display shows 04:0 or 04:1

Save and Quit

Turn the selector switch to "0"

6.4.7 Oven Light - Settings

Standard setting

With the oven in operation, the oven light turns off after 15 seconds. The light can be turned on again by pressing any button.

Optional setting

When the oven is in operation the light remains on.

Initial Requirements

Turn the selector switch to "0"

Accessing

1. Open the door fully
2. Turn the selector switch to "Light"
3. Press the “Temp” button

Acknowledgement Indicator

The display shows 01:0 or the most recently modified programmable function

Options

1. Press the “-“or “+” buttons as appropriate to advance to programmable function 05
2. Press the “Cook” or “Timer” button depending on the model to select option 0 for the standard setting option 1 for the optional setting
3. The display shows 05:0 or 05:1

Save and Quit

1. Turn the selector switch to "0"

6.4.8 Rapid Heat - Settings

Standard setting, rapid heat on. See par 3.4.5 for further information on rapid heat

Optional setting, rapid heat off.

Initial Requirements

Turn the selector switch to "0"

Accessing

1. Open the door fully
2. Turn the selector switch to "Light"
3. Press the “Temp” button

Acknowledgement Indicator

The display shows 01:0 or the most recently modified programmable function

Options

1. Press the “-“or “+” buttons as appropriate to advance to programmable function 06
2. Press the “Cook” or “Timer” button depending on the model to select option 0 for the standard setting option 1 for the optional setting
3. The display shows 06:0 or 06:1

Save and Quit

Turn the selector switch to "0"

6.4.9 Clock Display - Settings

Initial Requirements

Turn the selector switch to "0"

Accessing

1. Open the door fully
2. Turn the selector switch to "Light"
3. Press the “Temp” button

Acknowledgement Indicator

The display shows 01:0 or the most recently modified programmable function

Options

1. Press the “-“or “+” buttons as appropriate to advance to programmable function 08
2. Press the “Cook” or “Timer” button depending on the model to select option 1 to advance the clock in 1-hour increments option 2 to set back the clock in 1-hour increments
3. The display shows 08:0 or 08:1

Save and Quit

Turn the selector switch to "0"

6.4.10 Buzzer - Settings

Standard setting buzzer on. At the end of a cooking cycle an audible signal is activated

Optional setting buzzer off.

Initial Requirements

Turn the selector switch to "0"

Accessing

1. Open the door fully
2. Turn the selector switch to "Light"
3. Press the “Temp” button

Acknowledgement Indicator

The display shows 01:0 or the most recently modified programmable function

Options

1. Press the “-“or “+” buttons as appropriate to advance to programmable function 09
2. Press the “Cook” or “Timer” button depending on the model to select option 0 for the standard setting option 1 for the optional setting
3. The display shows 09:0 or 09:1

Save and Quit

Turn the selector switch to "0"

6.4.11 Buzzer Off

At the end of a cooking cycle there is no audible signal

Initial Requirements

Turn the selector switch to "0"

Accessing

1. Open the door fully
2. Turn the selector switch to "Light"
3. Press the “Temp” button

Acknowledgement Indicator

The display shows 01:0 or the most recently modified programmable function

Options

1. Press the “-“or “+” buttons as appropriate to advance to programmable function 09
2. Press the “Cook” or “Timer” button depending on the model to select option 1
3. The display shows 09:1

Save and Quit

Turn the selector switch to "0"