kleenmaid

Products documentation

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OMFP6010 (60cm PIROLITIC OVEN)

Ovens Service Manual

Models **OMFP6010**

This document has been published to be used for service only.
The contents are subject to change without notice

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1.1 Health & Safety

Note: When servicing the oven, health and safety issues must be considered at all times. Specific safety issues are listed below with their appropriate icon. These are illustrated throughout the service information to remind service people of the health and safety issues

1.1.1 Electrical Safety

WARNING! TO AVOID ELECTRIC SHOCK!
Do not attempt to service this oven without suitable training and qualifications.

Ensure the main power has been disconnected before servicing any part of the oven. If the power is required to be on for electrical fault finding, then **extreme** care should be taken not to make contact with electrical components other than with testing probes. Ensure the oven is turned off when removing any electrical component or connection.

1.1.2 Good Working Practices

Ensure the work areas are kept tidy and free of hazards while servicing the oven. On completion of the servicing, ensure the oven and work areas are left clean and tidy.

1.1.4 Insulation Test

Megger test to check insulation.

1.1.5 Sheet Metal Edges

When working around cut sheet metal edges use appropriate gloves or protection to eliminate the chance of receiving a laceration.

2.1 Oven Specifications

2.1.1 Oven Weight

Single 24”

lbs /Kg **=97/44**

2.1.2 Power rating

TECHNICAL DATA

OVENS		Electrical Ratings and Maximum Connected Load @ 230-240 Volts 50/60Hz	
		Amperes	Watts
SINGLE CONV	OMFP6010	12,75	3000

2.2.1 Location

The product serial number plate is located on the left side profile trim.

2.2.2 Model & Serial Number

The numbers printed on the plate contains the following information:

2.3.1	Heating Elements	Volts	Freq.	Watts	Note
	Broil	240	--	2000+1000	
	Bottom	240	--	1200+400	
	Ring (if present)	240	--	2500	

2.3.2	Motors	Volts	Freq.	Watts	Note
	Convection Fan	220-240	50/60	24-28	
	Cooling Fan	220-240	50/60	23/28	
	Door Lock Motor	220-240	50/60	3	
	Rotating Spit Motor	230	50/60	4	(if present)

2.3.3	Electric Components	Volts	A	Watts	Note
	Door Lock Motor Switch	250	16	--	
	Lamp	240	--	25	
	Piro Safety Thermostat	250	16	--	
	Cooking Safety Thermostat	250	16	--	
	Cooling Fan Thermostat	250	16	--	
	Probe Temperature	5V	--	--	

2.4 System Description

- **ELECTRONIC CONTROL**. The control consists of a main power located on display board.
- **COOKING MODE & TEMPERATURE SELECTORS**. All ovens have one selector for the cooking modes and one for the set temperature.
- **TEMPERATURE SENSOR**. There is one Pt1000 sensor, fixed on the rear wall outside the cavity.
- **HEATING ELEMENTS.** Four heaters are available in multifunction ovens while the ring element is missing in the thermal ones. They are combined together in different ways, depending on the selected mode, but the maximum power never overtakes 3000W.
    - UPPER ELEMENT 2000+1000W at 240V.
    - LOWER ELEMENT 1200+400W at 240V.
    - RING ELEMENT 2500W at 240V.
- **CONVECTION FAN.** This fan is available in multifunction cavities; it works always at the same speed in all convection modes, self-clean and dehydrate.
- **COOLING FAN SYSTEM.** A cooling fan keeps the internal parts temperature within acceptable values, and removes smoke from the cavity through the catalyser. There is a 70°C by-pass thermostat that shorts this resistor when the temperature overtakes the threshold, switching the cooling fan into its full speed. This normally occurs during self-clean only.
- **OVEN LIGHTS.** Incandescent 230V lamps. They turn on when a cooking mode starts.
- **DOOR LATCH SYSTEM.** A motor actuates the latch mechanism to lock or unlock the door. The motor always rotates in the same direction, and it's the mechanism that determines the locking or unlocking phases. They take about the same time to complete the half cycle. A changeover micro switch placed right on the motor shaft and actuated by a 180° cam provides the electronics with the latch position information.

2.5 Oven Model Configuration

The manual test procedure must be completed and confirmed as per the instructions in this section.
At every POWER-UP, the control runs a latch auto-test cycle. The lock icon flashes while the latch is moving.
Keep the [MODE] knob to the 0 position **(see Figure 1)**.

1. Hold [TEMP & TIME] knob for about 5 seconds until all the display elements turn on.
2. Press[TEMP & TIME] and release the knob again, all the display elements turn OFF.
3. Press [TEMP & TIME] the display shows the **"Configuration Model"**
4. Press [TEMP & TIME] the display shows the **"Software Version"**
   The model is set by connector (see picture 2) that must be placed in the same location in case of control substitution.

Type	Number of Functions	Model	ConfigurationModel	Software Version	0	01	02	03	04	05	06	07	08	09	10
Thermal	8	MA01		00 5	0										
Convection	8	MA02	n002		0										
		MA03			0										
Convection	10	MA05	n005		0										
		MA06			0										
Thermal	5	MA08			0										

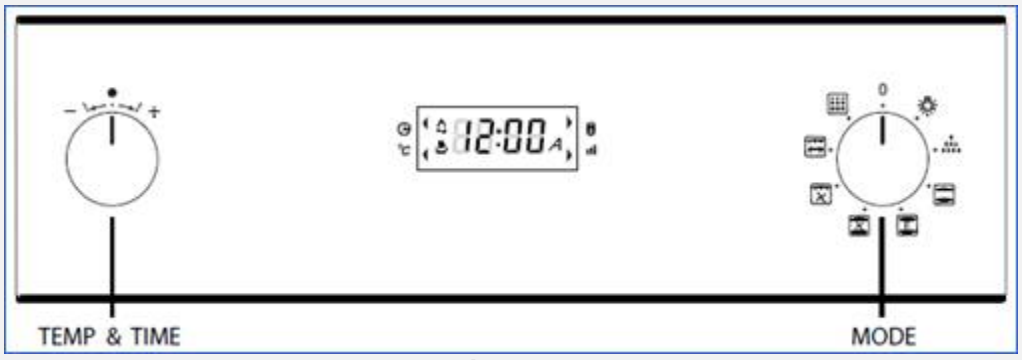
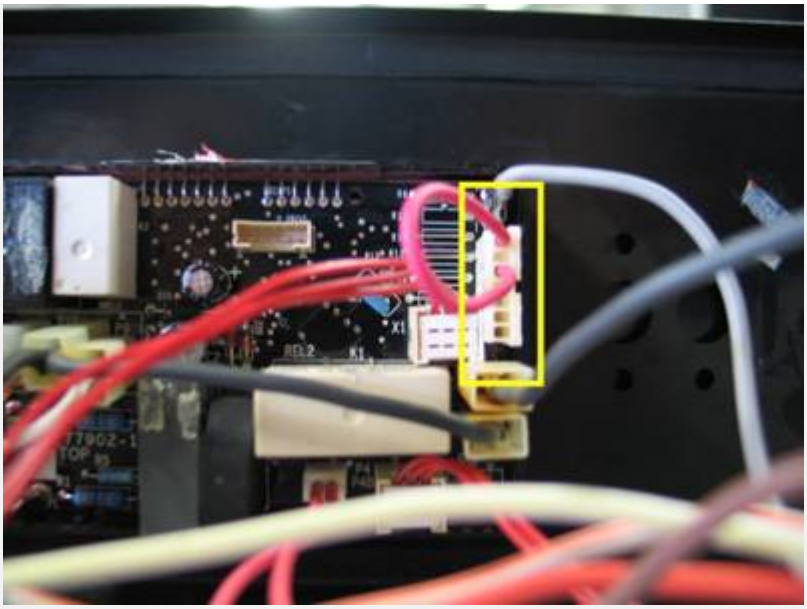


Figure 1



Picture 2

IMPORTANT: The MANUAL TEST procedure can be activated only after power on.

To enter in the MANUAL TEST follow the same procedure as the ***Configuration section 2.5***

2.6.1 How to verify the correct selection

At power-up, the control runs a latch auto-test; lock symbol flashes while the latch is moving. Wait for the auto-test end. When the control is powered for the first time the display is blinking.

1. Hold [TEMP & TIME] knob for about 5 seconds until all the display elements turn on.
2. Press[TEMP & TIME] and release the knob again, all the display elements turn OFF.
3. Press [TEMP & TIME] the display shows the **"Configuration Model"**
4. Press [TEMP & TIME] the display shows the **"Software Version"**

2.6.2 How to check Single oven hardware

Turn the knob [MODE] to the cooking mode.

1. Press and release [TEMP & TIME] knob, the display automatically shows:

   "Ther"

   check that the heating elements are energized (2200W or 2500W for ring element if the model is MA06)

2. Press and release [TEMP & TIME] knob, the display automatically shows:

   "Au 1"

   check that all fans and lights are energized.

3. Press and release [TEMP & TIME] knob twice, the display automatically shows:

   "Au 2"

   pass does not use.

4. Press and release [TEMP & TIME] knob, the display automatically shows:

   "ALLc"

   check that the heating elements + fans and lights are energized (2200W or 2500W for ring element if the model is MA06 + auxiliary)

5. Press and release [TEMP & TIME] knob, the display automatically shows:

   "ALLo"

   check that the heating elements + fans and lights **are not energized**.

6. Press and release [TEMP & TIME] knob, the display automatically shows the temperature value:

   "000°"

7. Press and release [TEMP & TIME] knob, the display automatically shows the real temperature value:

   " 25°" *(Example)*

   In case of Failure.

   - E010= Probe temperature disconnected or circuit interrupted.
   - E020= Probe temperature in short circuit
   - E030= Voltage reference uncorrected on electronic board.

8. Turn the knob [MODE] to the **0** position.

9. Press and release [TEMP & TIME] knob the display automatically shows:

"Pr00"

Turn the knob [MODE] clockwise and check that the values correspond to the position of selector [Pr00 for 0, Pr01 for first, etc.....]

10. Press and release [TEMP & TIME] knob the display automatically shows:
    - D0L0= (latch door mechanism opened)
    - D0L1= (latch door mechanism closed)

11. Turn the knob [TEMP & TIME] anticlockwise until the buzzer emits 5 sounds, the display shows the time confirming the end of manual test.

12. Press and release [TEMP & TIME] knob ones time the clock stops blinking.

Turn the knob [MODE] to the each position to verify all functions:

	Light	Cooling fan	Convection fan	Spit motor	Lock door motor	Ext. Upper heating element	Int. Upper heating element	Ext. Lower heating element	Int. Lower heating element	Ring element
	X									
	X	X	X							
	X	X				1000W			1200W	
	X					1000W			1200W	
	X	X	X			1000W			1200W	
	X	X							1200W	
	X	X							1200W	
	X	X	X							2500W
	X	X	X						1200W	

	X	X					2000W			
	X	X		X			2000W			
	X	X				1000W	2000W			
	X	X	X				2000W			
		X	X		X		2000W	400W		

During the Self Cleaning Cycle check latch mechanism.

The lock symbol ( ) on the display is:

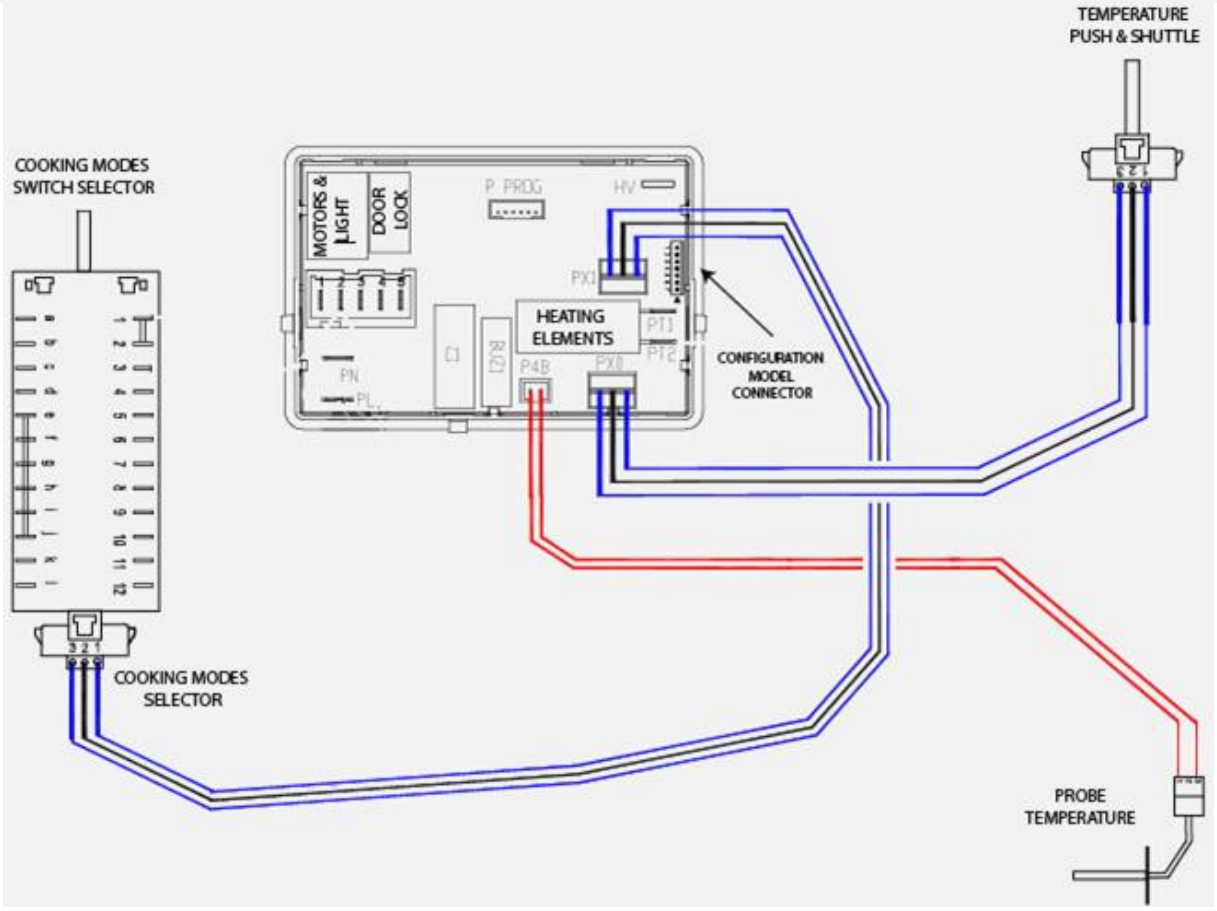
ON When the door is fully locked

OFF When the door is fully unlocked

FLASHING When the latch mechanism is moving. (After self clean the symbol will flash until the temperature will be safe and the door

unlocked).

Turn the knob [MODE] to the 0 position, and when the lock door is completely unlocked is possible disconnect the oven.



- The drawing on the previous page explains how the electronic boards work. Each relay function is described and the connector of sensor is also shown.

2.8 Fault Numbers

Faults	N°
Temperature sensor broken.	E1
Temperature sensor shorted.	E2
Temperature sensor circuit failure.	E4
Latch time-out overflow.	E8
Free.	E16
Free	E32
Mode selector disconnected. Cannot be reset.	E64
Sum of error codes simultaneously detected.	OTHER

The control is continuously checking the status of the system. If an abnormal condition is detected for more than 1 minute, a failure occurs:
- The heaters and the other loads are disabled.
- The display shows a “E” letter followed by a numeric code that depends on the kind of failure.
- The control emits an acoustic warning signal.

To reset a failure declaration, first remove the cause of the failure then turn the selector to (ZERO) OFF.

2.9.1 Child - safe locking system

All of our ovens are built-in child-safe locking systems. The feature is automatically enabled any time the appliance is connected to the power, any time the switch is turned on and any time the oven is programmed to run a self-cleaning of the cavity.

The same future it can be is used on the manual mode in the household where a minor is present to prevent children from getting in touch with hot parts. The function of this future is explained in details on the manual .

2.9.2 Thermostat

All of our ovens are built with three bi-metal mechanical thermostats for each cavity. The thermostats are mounted in contact with the metal sheet on top of each cavity.

2.9.3 Double Speed Thermostat

The double speed thermostat is acting in conjunction with the by-pass resistor and is connected in parallel with it.

In the regular cooking mode when the read temperature at the surface of the metal sheet in under *158 °F* (*70 °C*) the power is flowing trough the resistor and it feeding the cooling fan with a voltage lower than nominal .

If the temperature of *158 °F* (*70 °C*) is depassed, the thermostat is closing the circuit and the resistor is by-passed and now we can read at the poles of the cooling fan motor the full voltage of installed *AC 230V* and the ***RPM*** of the cooling fan will almost double.

The reset is automatic when the temperature at the surface of the metal sheet decreases under the *158 °F* (70°C) and the cooling fan is reducing the ***RPM*** at the manufacturer factory set-up.

RPM = rotation per minute

2.9.4 Safety Thermostat

The function of the safety thermostat is to protect the of the oven from over heating in the event of a malfunction of the cooling fan.

Description:

- In the regular cooking mode when the read temperature at the surface of the metal sheet in under *220°F (105 °C)* the power is energizing the electronics and the heating elements as well.
- In the Self Cleaning mode when the read temperature at the surface of the metal sheet in under *310 °F (155 °C)* the power is energizing the electronics and the heating elements as well.

In the event that the temperature is rising over the limits, the thermostat will switch mechanically from off position to on position and all of the heating elements will be cut of from the power. All of

the electronics will be still powered.

The reset is automatic when the cooling fan was replaced or the cooling fan problem was solved and the temperature is in the right functioning parameters.

Code	Error	Description	Possible Cause	Corrective Action	section
E1	Temperature sensor broken.	The control reads out of range values.	Bad connection Temperature sensor broken.	Check the connectors and the harness Replace the sensor	7.14
E2	Temperature sensor shorted.		Bad connection Temperature sensor broken.	Check the connectors and the harness Replace the sensor	7.14
E4	Bad power board		Bad connection Temperature sensor broken.	Check the connectors and the harness Replace the sensor	7.14
E8	Latch mechanism time-out overflow	The control can't perform any locking or unlocking cycle within the maximum allowed time.	Latch mechanism problem.		
			Latch motor problem	Replace the motor	7.8
			Defective latch micro switch	Replace the micro switch	7.9
			Bad connections	Check the motor connections and the micro switches connections	--
E64	Mode selector disconnected	The control can't perform any cooking mode.	Bad connection Selector broken.	Check the connectors and the harness. Replace selector	7.17

Failure declarations and error codes

The control is continuously checking the status of the system. If an abnormal condition is detected for more than 1 minute, a failure occurs:

- The heaters and the other loads are disabled.
- The display shows a "E" letter followed by a numeric code that depends on the kind of failure.
- The control emits an acoustic warning signal.

To reset a failure declaration, first remove the cause of the failure then turn the selector to (ZERO) OFF.

4.2 Oven not operative

Anomaly	Possible Cause	Corrective Action	section
Oven does not run No power supply	Main breaker or main fuses	Replace the fuses	--
	Short circuit	Find the short circuit and remove it. Check internal connections (short circuit, interruptions, etc..)	--
Oven does not run Power supply ok.	Connections to the Electronic Control	Replace Electronic Control	7.19

4.3 Cooling Fan Problems

Anomaly	Possible Cause	Corrective Action	section
Fan does not run No power supply	800Ω resistor broken	Replace 800Ω resistor	7.12
	Bad connection Selector broken.	Check the connectors and the harness. Replace switch selector	7.17
Fan does not run Power supply ok.	Blocked rotor	Replace fan	7.2
	Burned coil	Replace fan	7.2
Noisy fan	Lose attachment screws on cooling assembly	Check attachment screws on cooling assembly or replace fan	7.2
The cooling fan is always on	The control is measuring a high temperature inside the cavity	Check all the connections between the sensor and the Display Control.	--
		Check the probe temperature sensor	7.14

4.4 Convection Fan Problems

Anomaly	Possible Cause	Corrective Action	section
Fan does not run No power supply	Bad connection Mode selector not switching	Check the connectors and the harness Replace switch selector	7.17
Fan does Not run Power supply ok.	Blocked rotor	Replace fan	7.4
	Burned coil	Replace fan	7.4
Noisy fan	Lose attachment screws on cooling assembly	Check attachment screws Check nut on working fan for tightness or replace it	--

4.5 Door Lock Problems

Anomaly	Possible Cause	Corrective Action	section
Door lock control does not run No power supply.	Bad connection Selector broken.	Check the connectors and the harness. Replace switch selector	7.17
	Motor latch micro switch not switching.	Replace the motor micro switch.	7.9
Door lock control does not run Power supply ok.	Locked rotor.	Replace motor.	7.8
	Burned coil.	Replace motor.	7.8
Noisy.	Defective mounting of door lever mechanics.	Check lever mechanism of door lock. Lubricate all working parts with silicon grease	--
The control doesn't unlock the door after self cleaning and the lock symbol on the display is steadily on.	The Oven temperature is still beyond the safety unlock value.	Wait for the temperature to drop below the threshold.	--
		Check all the connections between the sensor and the Electronic control.	--
		Check the temperature sensor. If is damaged, replace it.	7.14
		Check the Electronic Control. If is damaged, replace it.	7.19
	The Oven had been locked by means of the child lock procedure.	Use the same procedure to unlock the door.	--

The control doesn't unlock the door after self cleaning and the lock symbol on the display is always flashing.	Door lever mechanism locked	Check lever mechanism of door latch. Lubricate all working parts with silicon grease	--

4.6 Oven Light Problems

Anomaly	Possible Cause	Corrective Action	section
The Oven lights are always OFF. No power supply.	Bad connection Selector broken.	Check the connectors and the harness. Replace the switch selector	7.17
The Oven lights are always OFF. Power supply is ok.	Lamps are burned out.	Replace lamps.	See User manual
The Oven lights are always ON.	Bad connection Selector contact is broken or in short circuit.	Check the connectors and the harness. Replace the switch selector	7.17

4.7 Selector Problems

Anomaly	Possible Cause	Corrective Action	section
Every cooking mode accepts only the preset temperature.	The control cannot read the temperature selector.	Check the connections between the selectors and the Electronic Control.	--
		Check and eventually replace the selector itself.	7.18
		Check and eventually replace the Electronic Control.	7.19
The control doesn't accept any cooking mode.	The control cannot read the cooking modeselector.	Check the connections between the selectors and the Electronic Control.	
		Check and eventually replace the selector itself.	7.17
		Check and eventually replace the Electronic Control.	7.19

Any or some cooking mode performed	The contacts of selector do not switch..	Check the connections between the selectors and the Electronic Control.	
		Check and eventually replace the selector itself.	7.17
		Check and eventually replace the Electronic Control.	7.19

Anomaly	Possible Cause	Corrective Action	section
The display is always dark, the latch at power up doesn't work	The power supply is not working.	Check and eventually replace the Electronic Control.	7.19

Anomaly	Possible Cause	Corrective Action	section
The door does not close or there is not sealing between door and gasket	Hinges system is broken or damaged	Replace the units	7.15
	The hinges support in the box is broken or damaged	Replace the units	7.16

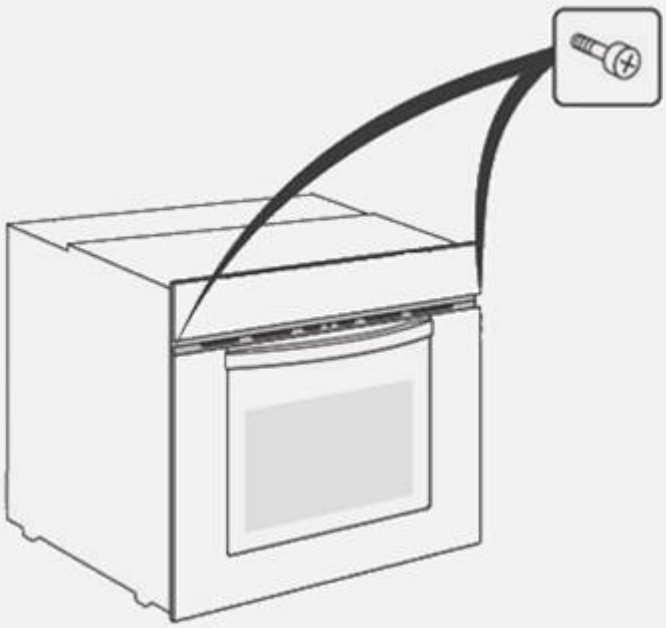
Anomaly	Possible Cause	Corrective Action	section
Bad performance	Heating elements not working	Check the connection of the heating elements	--
		If there in not power on the heating elements check relays on the Display Control. If the electronic control relay not switching replace the units.	7.19
		Check the power on the heating elements and replace the elements if needed.	7.5 7.6

			7.7
		Check the contacts of the switch selector and replace it if needed.	7.17
	Convection fan not working properly	See the convection fan problem	-
	There is not sealing between door and gasket	The hinges system or the hinges support in the box are damaged. Replace the units	7.15 7.16

7.1 Oven removal

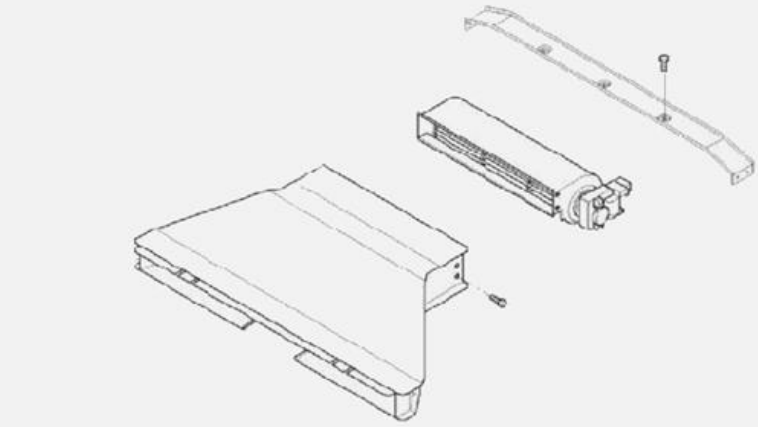
1. Disconnect the power supply cord
2. Remove the screws shown in the pictures.
3. Pull off the oven.
4. Remove the oven by using the lateral handles.

Lateral Handles (if present)



7.2
Cooling fan motor substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Remove the screws on the attachment bar (four lateral & three on the top) [IF PRESENT].
4. Disconnect the terminals on the fan.
5. Remove the four screws on the fan and remove the fan.
6. During mounting of the new cooling fan motor, you must only use the holes shown in Figure A.
7. Attach the trim bar with the screws and connect the terminals.
8. The connections must not be loose.
9. Reinstall the Oven into the cabinet.
10. Reconnect the power supply cord after the Oven is installed.
11. Run the Oven and check all functions.



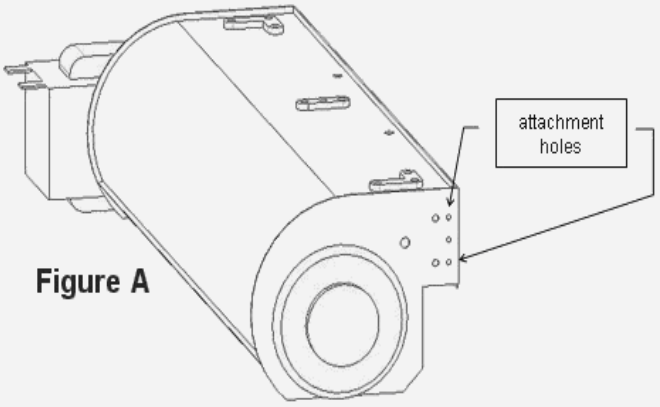
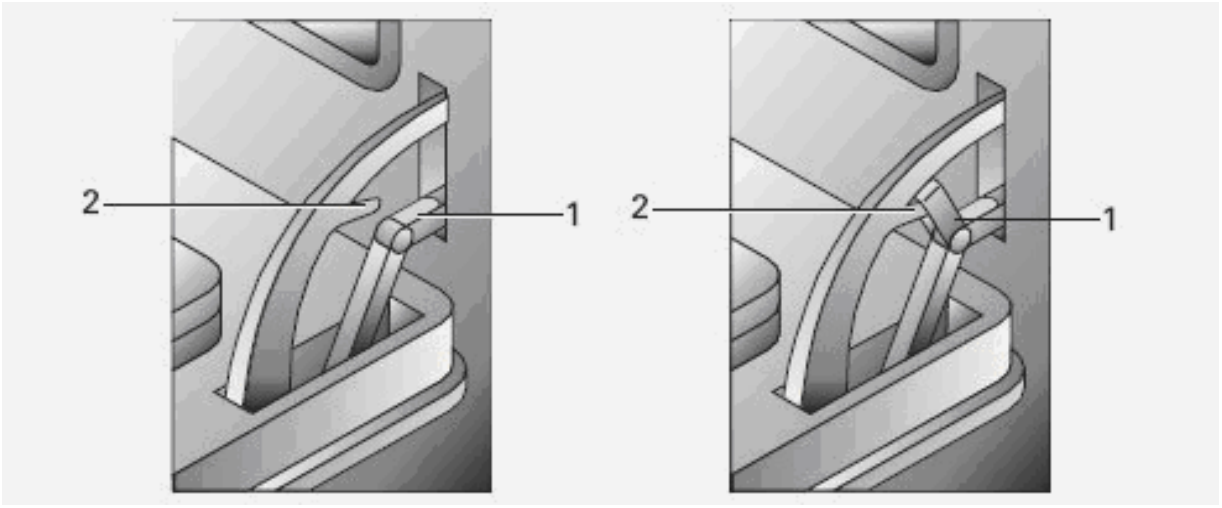


Figure A

7.3
Oven Door Removal

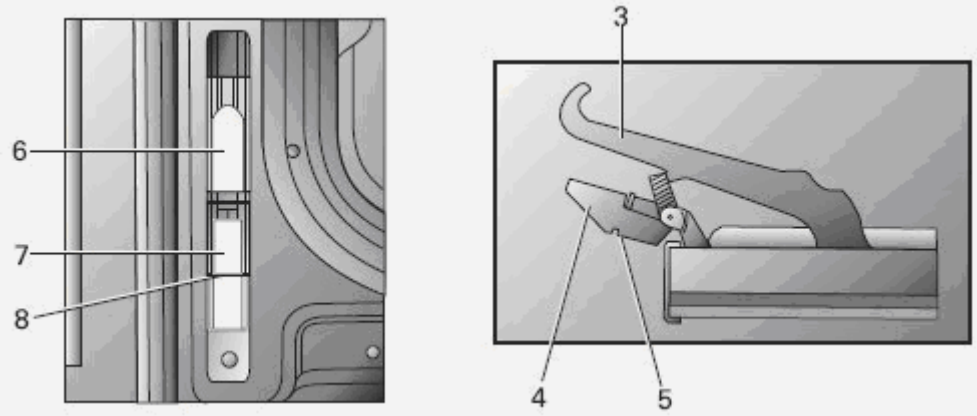
To Remove Door

1. Open the door completely.
2. Lift up the hinge bracket (1) into the slot (2).
3. Hold the door firmly on both sides using both hands and close the door.
4. Hold firmly; the door is heavy.
5. Place the door in a convenient location.



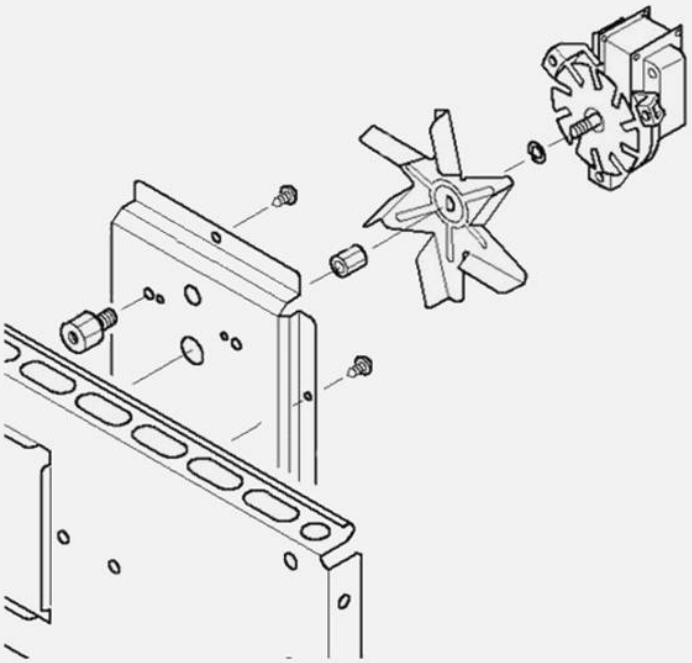
To Replace Door

1. Insert the upper arms (3) of both hinges into the upper slots (6) and the lower arms (4) into the lower slots (7). The recesses (5) must hook on the lips (8).
2. Move the hinge brackets (1) back down into position.
3. Close and open the door slowly to assure that it is correctly and securely in place.



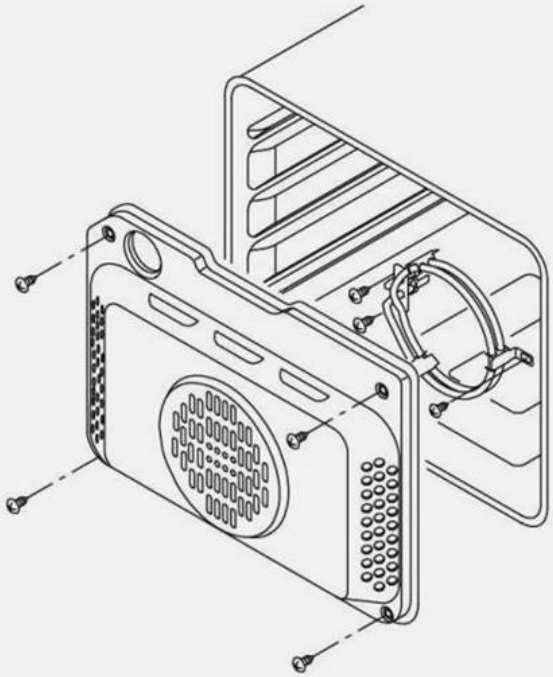
7.4 Convection fan motor substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the rear covers.
3. Disassemble the baffle by removing the four screws in the cavity.
4. Remove the fan blade by using a 10mm socket, than remove 3 screws in the cavity.
5. Disconnect the terminals on the fan in the rear side.
6. Remove the four screws on the motor holder and remove it. Than to remove the motor from the holder use a 12mm socket.
7. Mount the new fan motor on the holder and attach it with the screws and spacers.
8. Attach the screws on the motor in the cavity and then mount the fan blade.
9. Replace the baffle.
10. Connect the terminals.
11. The connections must not be loose.
12. Reinstall the Oven into the cabinet.
13. Reconnect the power supply cord after the Oven is installed.
14. Run the Oven and check all functions.



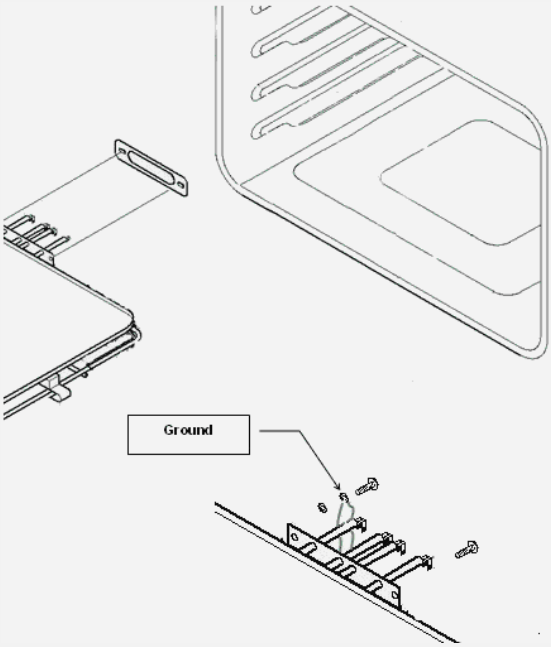
7.5
Ring element substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the rear covers.
3. Disconnect the terminals of heating element.
4. Disassemble the baffle by removing the four screws in the cavity.
5. Remove the ring element by removing the three screws.
6. Mount the new ring element with the new fiber gasket between the base of the element and the back side of the Oven.
7. Replace the baffle.
8. Connect the terminals.
9. The connections must not be loose.
10. Reinstall the Oven into the cabinet.
11. Reconnect the power supply cord after the Oven is installed.
12. Run the Oven and check all functions.



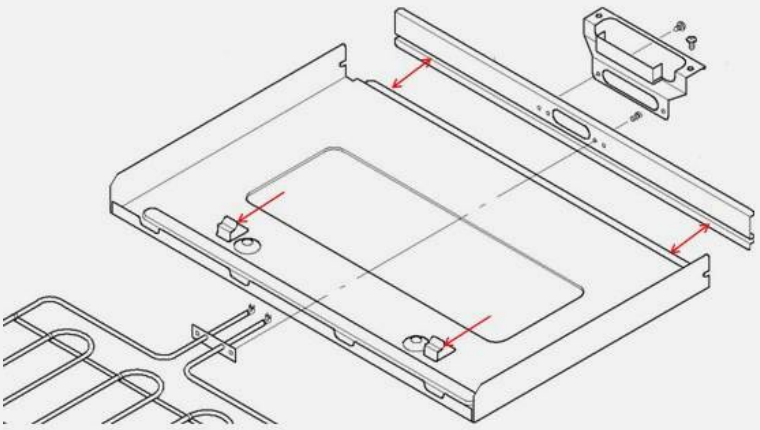
7.6 Upper element substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the rear covers.
3. Disconnect the terminals of heating element.
4. Remove the two screws near the external terminals, one of which is used for ground.
5. Remove the upper element by removing two screws on the brackets on top in the cavity.
6. Mount the new upper element with a new fiber gasket between the base of the element and the back side of the Oven.
7. Connect the terminals. Pay attention to the sequence of wiring on the element
8. The connections must not be loose.
9. Reinstall the Oven into the cabinet.
10. Reconnect the power supply cord after the Oven is installed.
11. Run the Oven and check all functions.



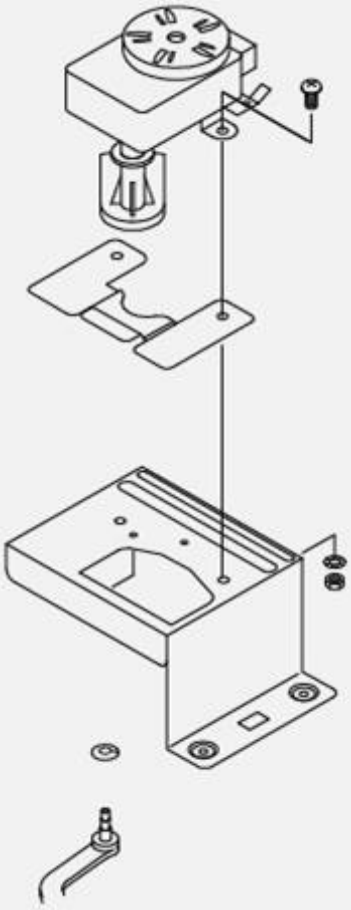
7.7 Lower element substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the rear covers.
3. Disconnect the terminals of heating element.
4. Remove the screws near the external terminals and the other four on the brackets.
5. Remove the brackets.
6. Pull out the lower element.
7. Replace the new element by reversing the previous steps.
8. Pay attention to the positioning of the element.
9. Connect the terminals.
10. The connections must not be loose.
11. Reinstall the Oven into the cabinet.
12. Reconnect the power supply cord after the Oven is installed.
13. Run the Oven and check all functions.



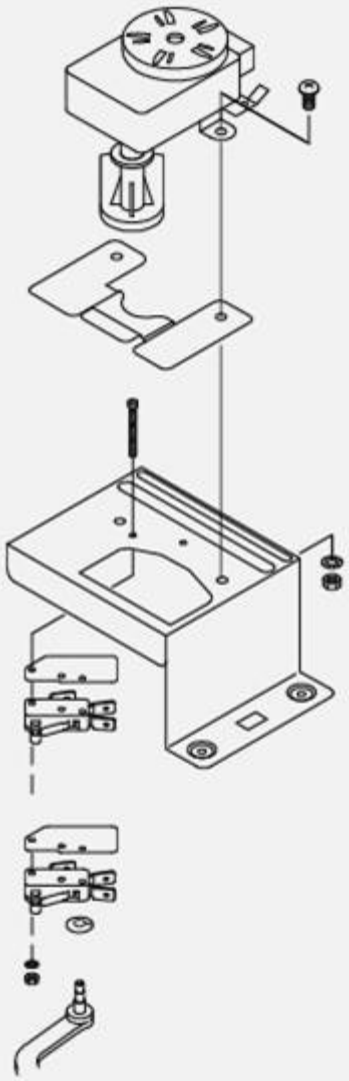
7.8
Lock door motor substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Remove the rear cover.
4. Disconnect the cables. Pay attention to the sequence of wiring of the motor (micro).
5. Remove the lateral screws and internal attachment screws.
6. Disassemble the motor by removing the two screws and remove also the brackets.
7. Replace the new by reversing the previous steps.
8. Pay attention to the positioning when inserting the door lever.
9. Connect the terminals.
10. The connections must not be loose.
11. Reinstall the Oven into the cabinet.
12. Reconnect the power supply cord after the Oven is installed.
13. Run the Oven and check all functions.



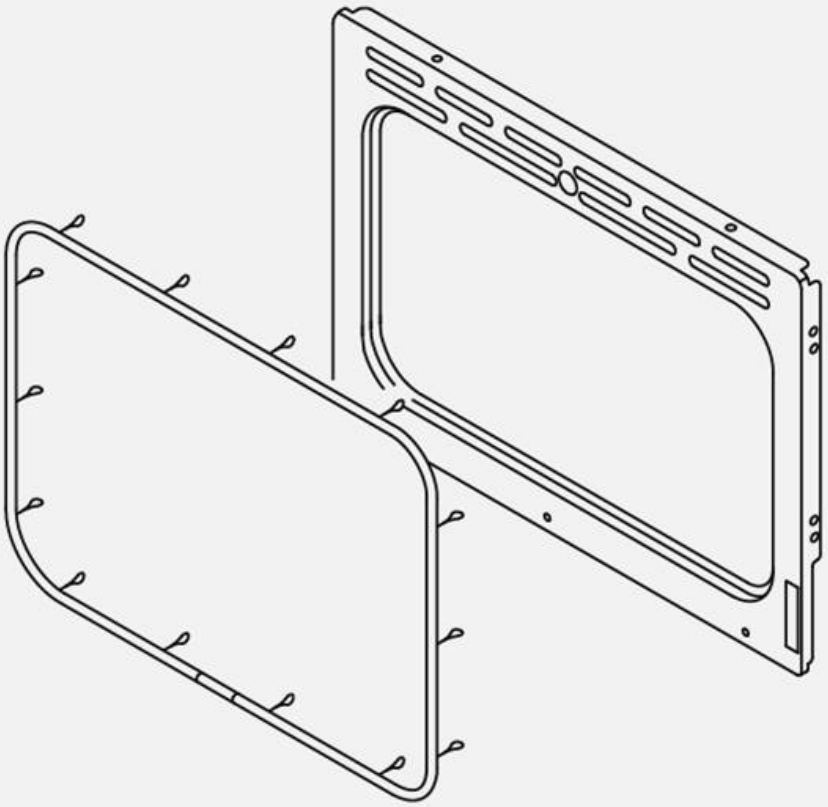
7.9 Lock door motor switch substitution solution

1. To disassemble the motor see section 7.8.
2. Disassemble the motor by removing the two screws and remove also the brackets.
3. Remove the micro switch by the two screws.
4. Replace the new switch by reversing the previous steps see section 7.8. Pay attention when positioning and inserting the door lever mechanism into the wheel of the motor.
5. Connect the terminals.
6. The connections must not be loose.
7. Reinstall the Oven into the cabinet.
8. Reconnect the power supply cord after the Oven is installed.
9. Run the Oven and check all functions.



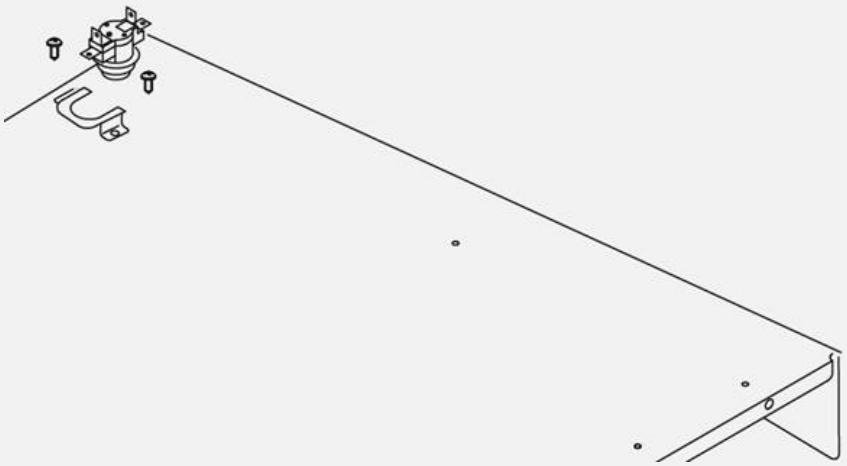
7.10
Door Gasket substitution

1. Open door and pull out the gasket by hands.
2. Replace with a new one by reversing the previous steps.



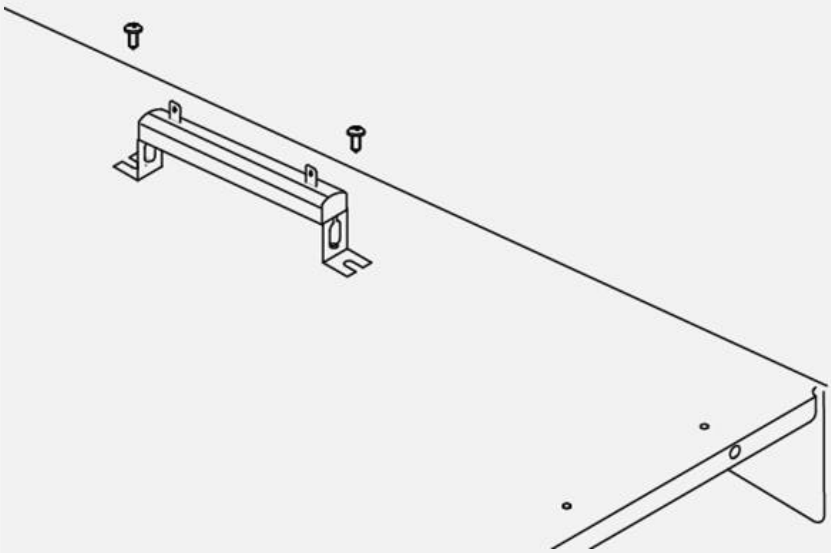
7.11 Cooking safety thermostats substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Unscrew the thermostat
4. Replace with a new thermostat by reversing the previous steps.
5. The connections must not be loose.
6. Reinstall the Oven into the cabinet.
7. Reconnect the power supply cord after the Oven is installed.
8. Run the Oven and check all functions.



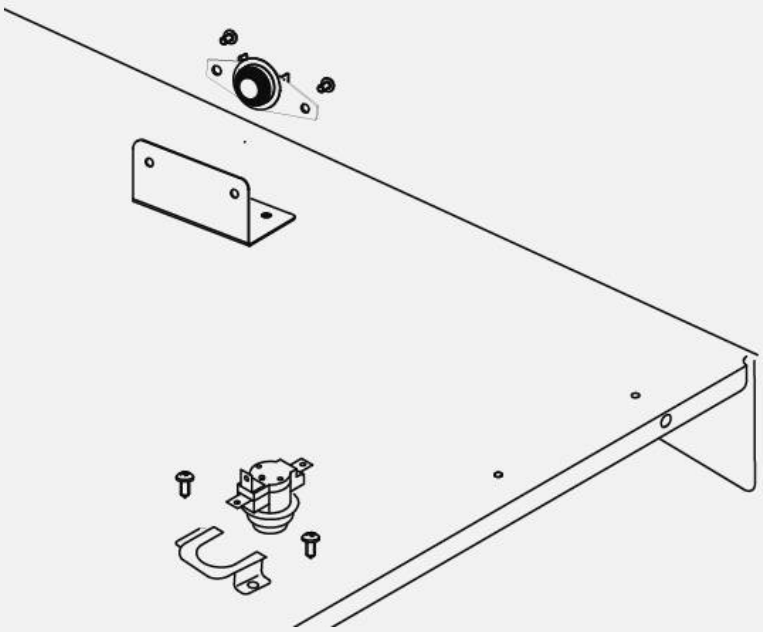
7.12
Resistor 800Ω substitution (if present)

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Remove the resistor screws.
4. Replace with a new resistor by reversing the previous steps.
5. The connections must not be loose.
6. Reinstall the Oven into the cabinet.
7. Reconnect the power supply cord after the Oven is installed.
8. Run the Oven and check all functions.



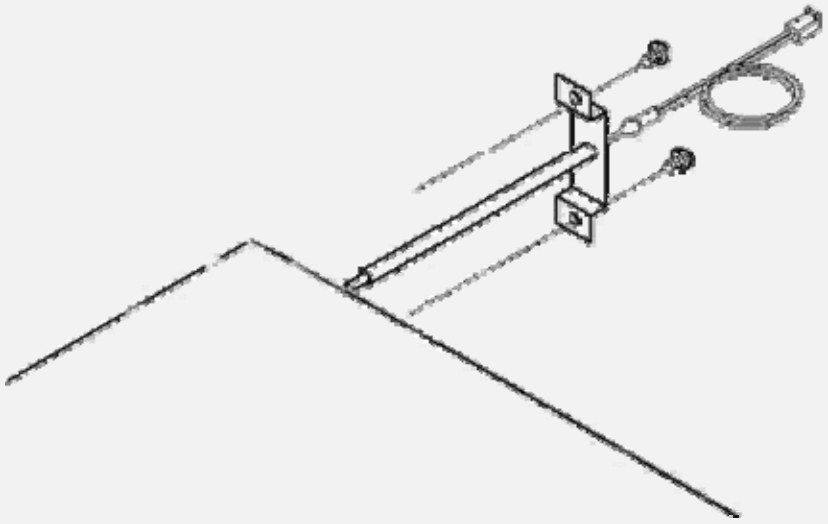
7.13
Piro safety thermostats substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Unscrew the thermostat.
4. Replace with a new thermostat by reversing the previous steps.
5. The connections must not be loose.
6. Reinstall the Oven into the cabinet.
7. Reconnect the power supply cord after the Oven is installed.
8. Run the Oven and check all functions.



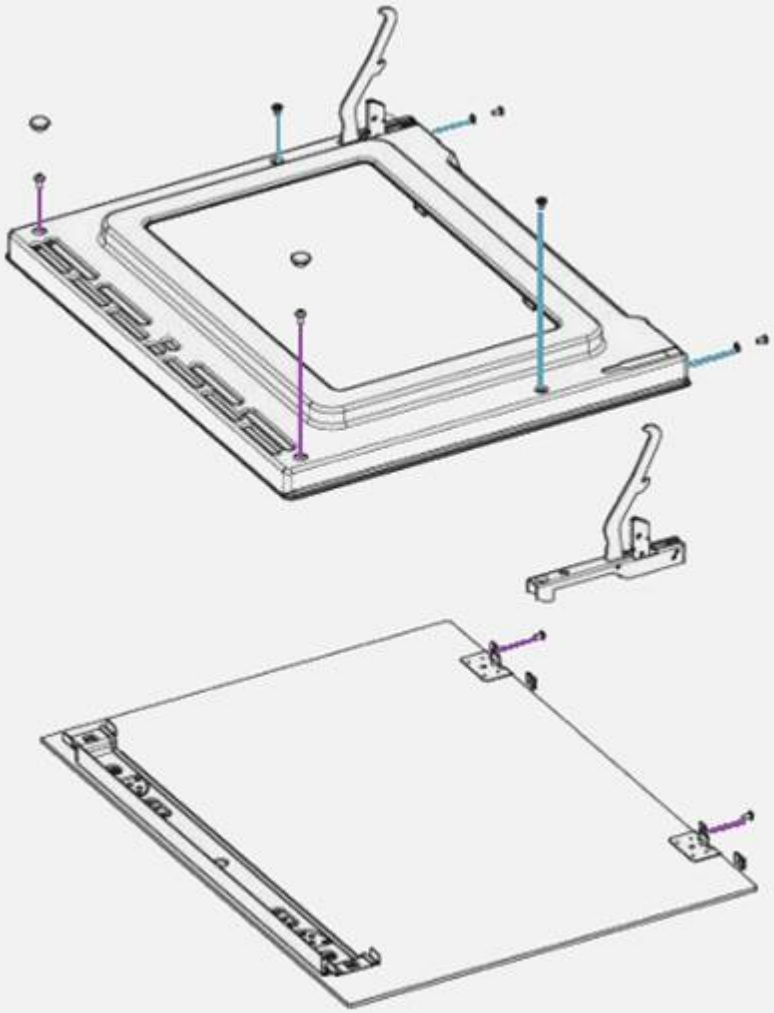
7.14 Probe Temperature substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the rear covers.
3. To replace the probe, disconnect it and remove the attachment screws.
4. During operation, the ceramic fiber must be around the probe hole.
5. Reinstall the Oven into the cabinet.
6. Reconnect the power supply cord after the Oven is installed.
7. Run the Oven and check all functions.



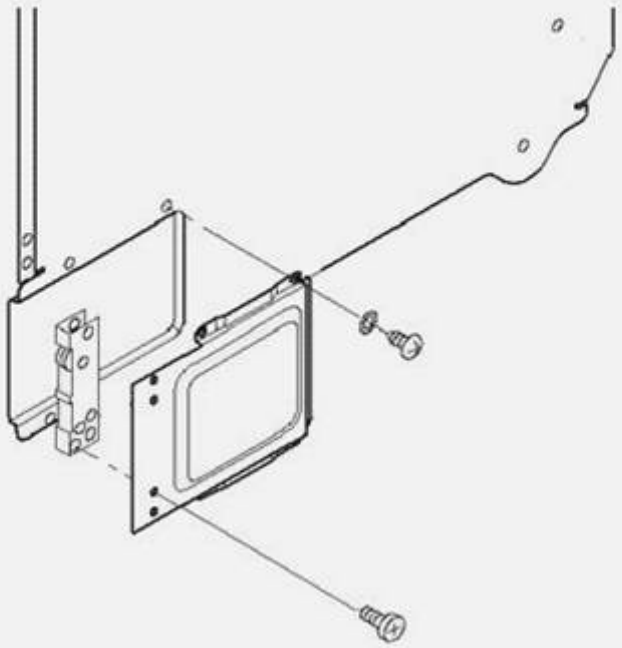
7.15 Door hinges substitution

1. Remove the Oven door following the section 7.3.
2. Put the door on a flat surface with a soft cloth to prevent scratching of the aesthetics.
3. Unscrew the door external glass **A**.
4. Remove the hinges unscrewing its screws **B**.
5. To replace the hinges, reverse the previous steps.
6. To replace the aesthetic glass be sure that the door are in the right position keeping the glass centered.
7. Replace the Oven door following the section 7.3.



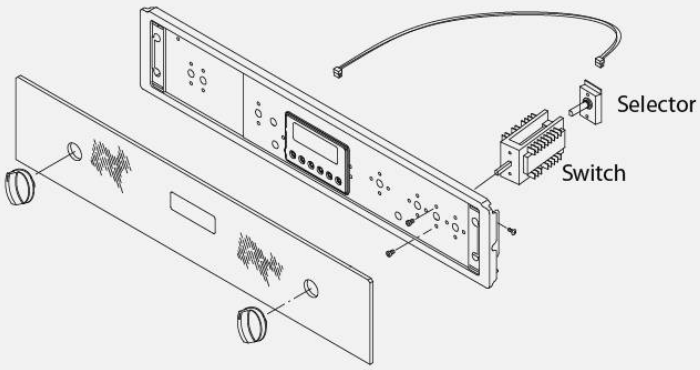
7.16 Door hinges box substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the door following the section 7.3.
3. Unscrew the boxes to change support.
4. Disassembling the hinges box.
5. To replace the new hinge box, reverse the previous steps. During the mounting of the box, the wheels will be in a high position.
6. Replace the Oven door following the section 7.3.
7. Reinstall the Oven into the cabinet.
8. Reconnect the power supply cord after the Oven is installed.
9. Run the Oven and check all functions.



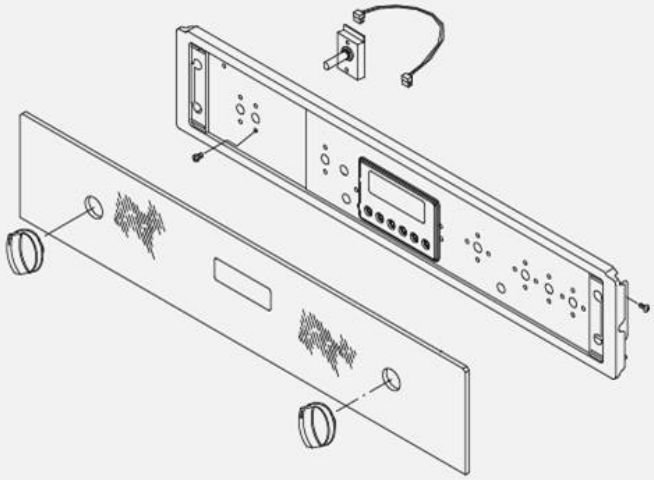
7.17 Switch or Selectors of functions substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Remove the knobs and the glass.
4. Disconnect the bad switch or selector and remove it by the screws.
5. Replace the new one by reversing the previous steps
6. **DURING MOUNTING, THE WIRES OR CONNECTIORS MUST BE CONNECTED IN THE CORRECT POSITION.**
7. Reinstall the Oven into the cabinet.
8. Reconnect the power supply cord after the Oven is installed.
9. Run the Oven and check all functions



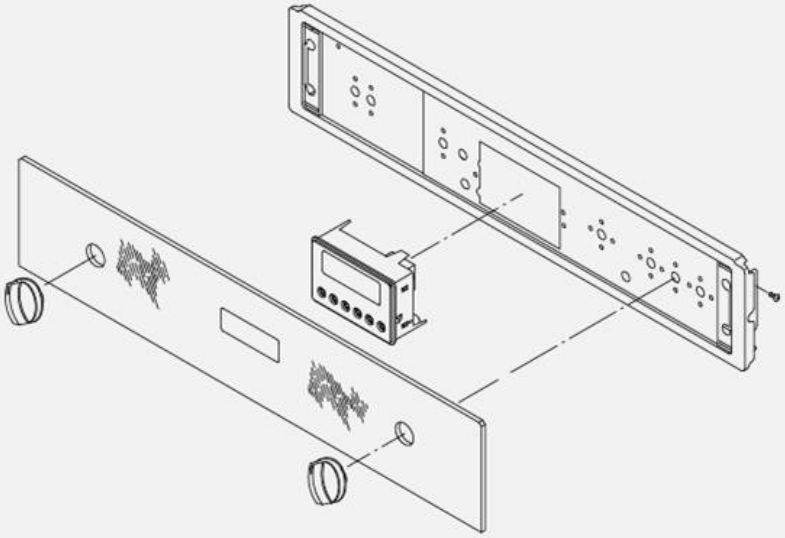
7.18
Temperature Selector substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Remove the knobs and the glass.
4. Disconnect the bad selector and remove it by the screws.
5. Replace the new selector by reversing the previous steps
6. **DURING MOUNTING, THE WIRES OR CONNECTIORS MUST BE CONNECTED IN THE CORRECT POSITION.**
7. Reinstall the Oven into the cabinet.
8. Reconnect the power supply cord after the Oven is installed.
9. Run the Oven and check all functions



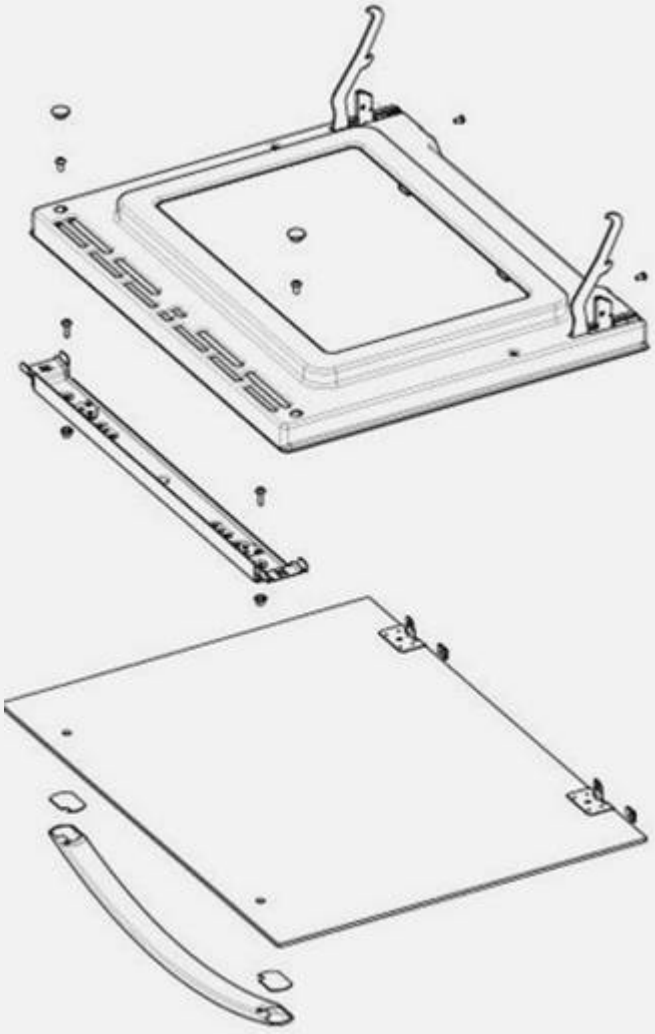
7.19
Electronic Control substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Remove the knobs and the glass.
4. Disconnect the bad electronic control board and remove it by the its plastic brackets.
5. **BEFORE REPLACING THE UNIT, SEE FOR OVEN CONFIGURATION FOLLOWING THE INSTRUCTION ON SECTION 2.5.**
6. Reinstall the Oven into the cabinet.
7. Reconnect the power supply cord after the Oven is installed.
8. **Check the Oven by MANUAL TEST following the procedure shown on SECTION 2.6.**

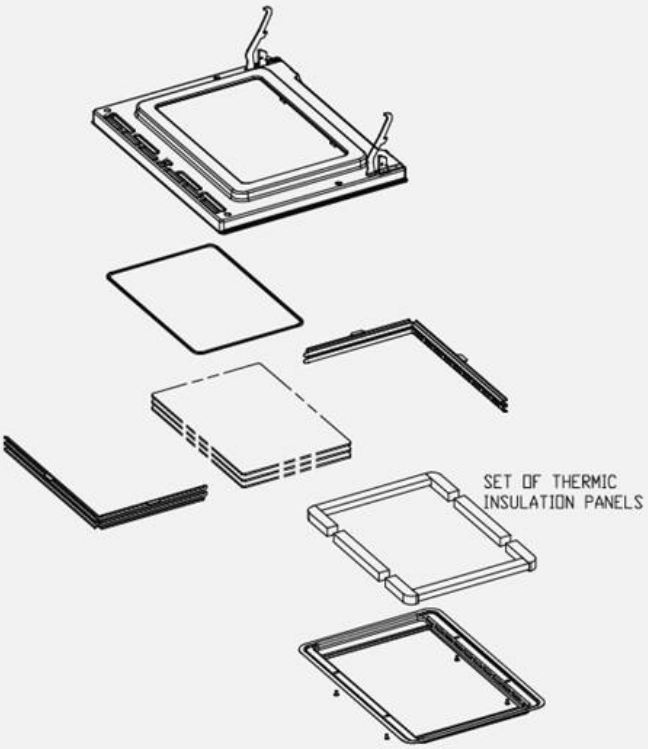


7.20 Door external glass substitution

1. Remove the door from the oven section 7.3.
2. Put the door on a flat surface with a soft cloth to prevent scratching of the aesthetics.
3. Remove the external glass from the door unscrewing two screws on the corner and two screws on the bottom.
4. Remove also the handle by its two screws.
5. Replace the handle on the new aesthetic glass with its support and spacers. Than fixing the spring clip on metal supports glass.
6. Assemble the glass and door keeping door in the middle of the glass.
7. Replace the Oven door following the section 7.3.



7.21 Door internal glass substitution



1. Remove the door from the oven (see MANUAL).
2. Put the door on a flat surface with a soft cloth to prevent scratching of the aesthetics.
3. Remove the external glass from the door unscrewing two screws on the corner and three screws on the bottom (see section 7.20).
4. Remove the frame which contain the three glasses and than remove also all the fiber insulation.
5. Now depends which glasses is broken if it's the central one disassembling the metal frame which fix the glass and replace with the new one, if is one of the external glass is not necessary to dismount the metal frame, in the other hand disassembling the frame.
6. **When it is changed an internal glass you must be sure that the face whit CA (CAVITY) printed it is towards the cavity.**
7. Assemble the glass and door keeping door in the middle of the glass and making attention at correct position of rubber bumpers.
8. Replace the Oven door.