kleenmaid

Products documentation

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OMFP7510 (75cm PIROLITIC OVEN full touch)

Ovens Service Manual

Models **OMFP7510**

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

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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.

2.1.1 Oven Weight

Single 30”

lbs /Kg **=181/82**

2.1.2 Power rating

TECHNICAL DATA

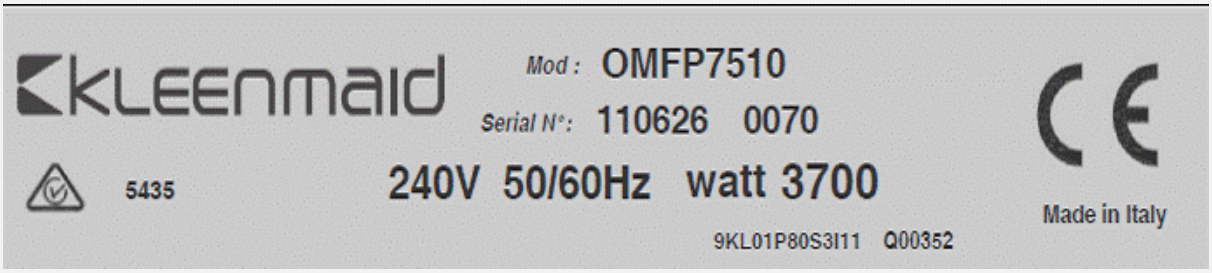
OVENS		Electrical Ratings and Maximum Connected Load @ 230-240 Volts 50/60Hz	
		Amperes	Watts
SINGLE CONV	OMFP7510	15.75	3700

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	--	3500	
	Bottom	240	--	3000	
	Ring (if present)	240	--	2x1300 or 1x2500	

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	

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	--	--	

- **ELECTRONIC CONTROL**. The control consists of a main power board and Full Touch Keyboard.
- **COOKING MODE & TEMPERATURE SELECTION**. All ovens are full touch control for the set cooking modes and set temperature.
- **TEMPERATURE SENSOR**. There is one Pt1000 sensor, fixed on the rear wall outside the cavity.
- **HEATING ELEMENTS.** Several heaters are available in multifunction ovens while the ring element is always missing in the thermal ones. They are combined together in different ways, depending on the selected mode, but the maximum power never overtakes 3700W @240V.
    - UPPER ELEMENT 3500 at 240V.
    - LOWER ELEMENT 3000 at 240V.
    - RING ELEMENT 2x1300W or 1x2500W 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.** Halogen 240V 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.

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.

1. Hold [**B** & **G**] keys for about 5 seconds until all the display elements turn on.
2. After few seconds the displays turn OFF and the central one shows the indication **"t1"** to indicate that the key [**A**] should be pressed. If the key works correctly the light sound "tick" occurs.
3. Proceed to the next step until the last key [**H**]. **"t-1, t-2, t-3, …, t-8.**
4. At this time appears the model selected (MH02 default). If necessary to change the model to match it to the oven, press keys [**D**]/[**E**] that correspond to -/+ keys.
5. Than press [**H**] key to confirm the choice.

<u>The model is set by connector (see picture 2) that must be placed in the same location in case of control substitution.</u>

lumber of inctions	Model	PR00	PR01	PR02	PR03	PR04	PR05	PR06	PR07	PR08	PR09	PR10	PR1
11	MH05											ECO	
13	MH06												

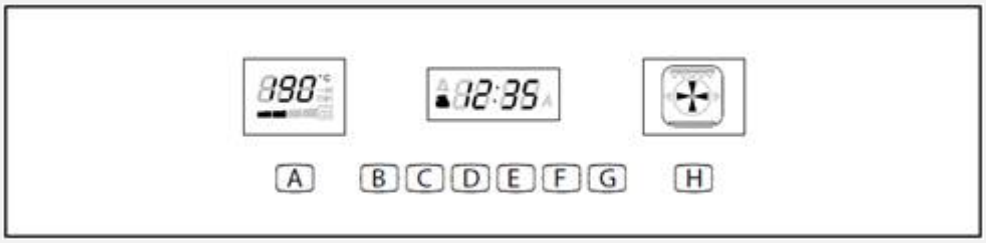
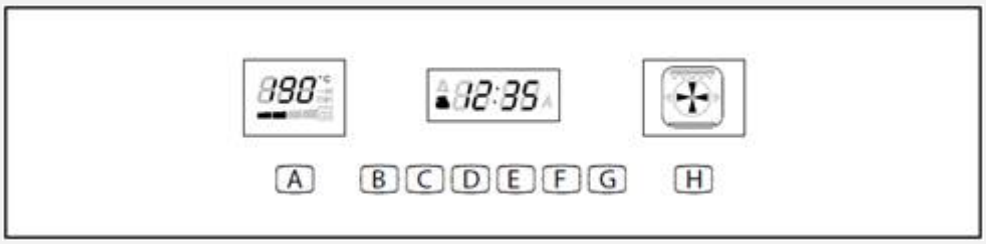


Fig 1

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.

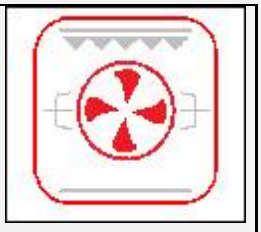
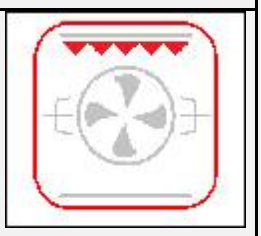
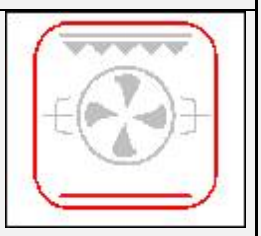
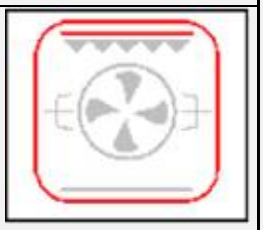
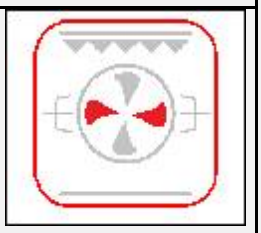
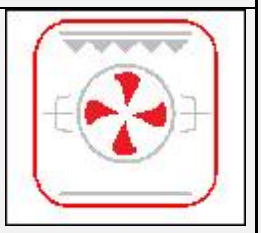
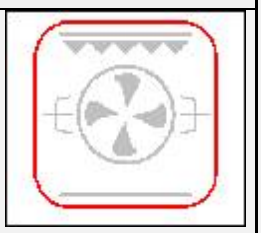
1. Hold [**B** & **G**] keys for about 5 seconds until all the display elements turn on.
2. After few seconds the displays turn OFF and the central one shows the indication **“t1”** to indicate that the key [**A**] should be pressed. If the key works correctly the light sound “tick” occurs.
3. Proceed to the next step until the last key [**H**]. **“t-1, t-2, t-3, …, t-8.**

At this time appears the model selected (MH02 default). If necessary to change the model see *Configuration section 2.5*

2.6.2 How to check Single oven hardware

After the configuration model proceed as follows:

The control goes to the first step to check the heating elements function, hold the [**E**] key to next step.

1	• Verify the display icons. • Verify the power of ring element (2500W, 240V); • Verify the function of convention fan.	
2	• Verify the display icons. • Verify the power of grill element (3500W, 240V);	
3	• Verify the display icons. • Verify the power of bottom element (3000W, 240V);	
4	• Verify the display icons. • Verify the power of grill element (0W, 240V);	
5	• Verify the display icons. • Verify the function of cooling fan.	
6	• Verify the display icons. • Verify the function of convection fan.	
7	• Verify the display icons. • Verify the function of internal oven light.	

Checking of latch mechanism system.

Activate the Self Cleaning be sure that the door is closed: the lock door motor starts and the padlock symbol on the temperature display flashes for as long as the motor it is moving. When the system reaches the locked door position the padlock stops flashing. Check that the door is properly blocked.
At this point, turn off the self Cleaning function by tapping the [**H**] key : the padlock begins flashing and the door lock mechanism until it is unlocked. When the padlock symbol is definitely off to check that the door is completely unlocked.
Warning: The motor continues to move even if the door is open, there is no any micro-switch to evaluate the position of the door.

The lock symbol ( ) on the display is:

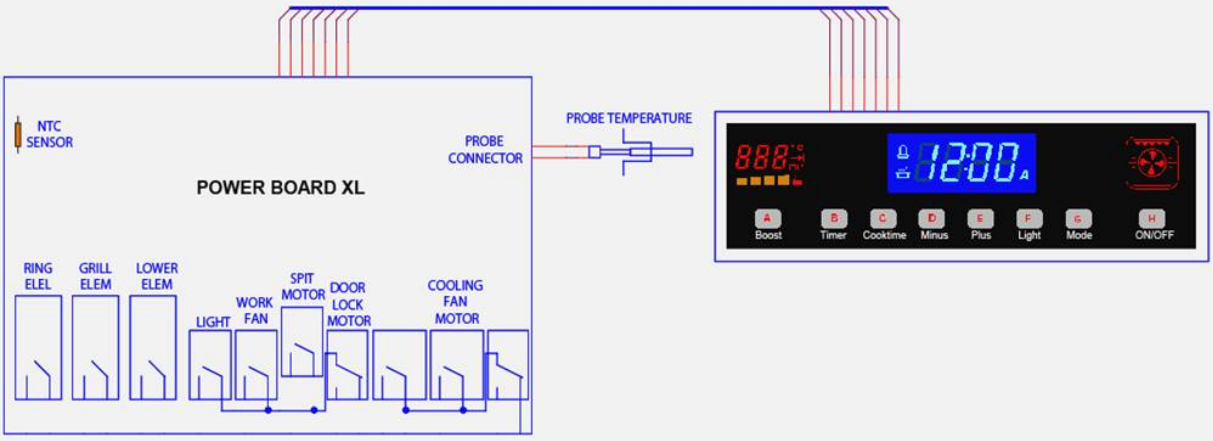
ON When the door is fully locked

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).

2.7 Description of Electronic Control



- 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.
- The power board to display board connection cable supports the i2c bus communication lines (data, clock).
- There is a **NTC sensor** on the main power board. Its main function is to detect the temperature of the electronics so that the control can verify the efficiency of the cooling system. E004 is declared whenever an ordinary cooking activity is running and an over temperature condition is detected (T>100°c).

2.8 Fault Numbers

Faults	N°
Temperature sensor shorted.	E001
Electronic boards over temperature .	E004
Latch time-out overflow.	E008
Oven cavity overheating	E016
Temperature sensor disconnected or broken	E017
Wrong oven model configuration	E032

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 flashing, followed by a numeric code that depends on
- the kind of failure. The control emits an acoustic warning signal that will last for some minutes.

To reset a failure declaration, first remove the cause of the failure then touch the [H] key (OFF).

2.9 Oven Safety Features

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 overheating 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 *198°F (92 °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 *284 °F (140 °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
E017	Temperature sensor broken or disconnected.	The control reads out of range values.	Bad connection Temperature sensor broken.	Check the connectors and the harness Replace the sensor	7.14
E001	Temperature sensor shorted.		Bad connection Temperature sensor broken.	Check the connectors and the harness Replace the sensor	7.14
E004	Electronic boards over temperature (t>100°c).	Overheating of the internal parts.	Cooling fan broken	Replace the cooling fan	7.2
			Bad connections between cooling fan and electronics.	Check connections	--
			Air flow through the cooling channel is not sufficient.	Check proper installation. The slot between the control panel and the door must be free.	--
			Defective cooling fan relay on main power board	Replace the power board.	7.18
			Faulty NTC sensor on main power board	Replace the power board.	7.18
E016	Oven cavity overheating	Runaway temperature condition during cooking.	One or more relays are stuck, driving heating elements. Check the contact of Element relays	Replace the power board	7.18
E008	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 motor	7.8
			Bad connections	Check the motor connections and the micro switches connections	--
E032	Wrong oven model configuration			Repeat the oven configuration (see section 2.5)	

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 flashing, followed by a numeric code that depends on the kind of failure.
- The control emits an acoustic warning signal that will last for some minutes.

To reset a failure declaration, first remove the cause of the failure then touch the [H] key (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 the Power Board	7.18

4.3

Cooling Fan Problems

Anomaly	Possible Cause	Corrective Action	section
Fan does not run No power supply	Bad connection Relay on power Board.	Check the connectors and the harness. Replace the PB	7.18
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 Relay of convection fan not switching	Check the connectors and the harness Replace the Power Board	7.18
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 Relay of door lock ,motor not switching	Check the connectors and the harness Replace the Power Board	7.18
	Motor latch micro switch not switching.	Replace motor.	7.8
	Door micro switch not switching	Replace the door micro switch.	7.10
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 Power board. If is damaged, replace it.	7.18
	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	--

Anomaly	Possible Cause	Corrective Action	section
The Oven lights are always OFF. No power supply.	Bad connection The light not switching	Check the connectors and the harness Replace the Power Board	7.18
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 Realy contact is broken or in short circuit.	Check the connectors and the harness Replace the Power Board	7.18

4.7

*LINK LED TO THIS ON THE SITE

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4.8

Display Problems

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 Display Board.	7.17

Troubleshooting guide

4.9

Door Hinge Problems

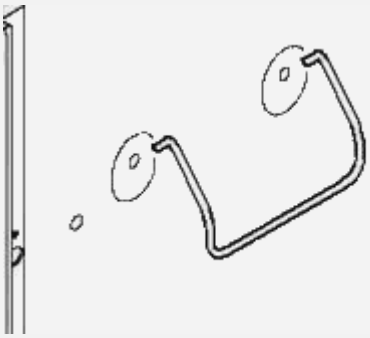
Anomaly	Possible Cause	Corrective Action	section
The door does not close or there is not sealing between door and gasket	Hinges system is broken or damaged	Replace the units	7.15
	The hinges support in the box is broken or damaged	Replace the units	7.16

Bad Cooking Performance

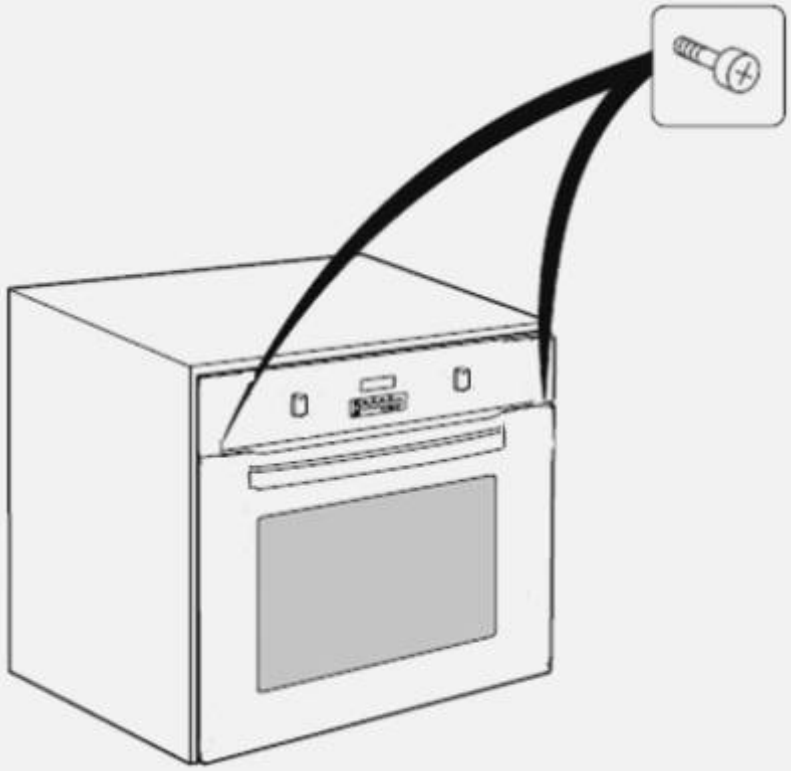
Anomaly	Possible Cause	Corrective Action	section
Bad performance	Heating elements not working	Check the connection of the heating elements	--
		If there in not power on the heating elements check relays on the Power Board. If the electronic control relay not switching replace the units.	7.18
		Check the power on the heating elements and replace the elements if needed.	7.5 7.6 7.7
		Check the protection fuse near Power Board and replace it if needed.	7.19
	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.

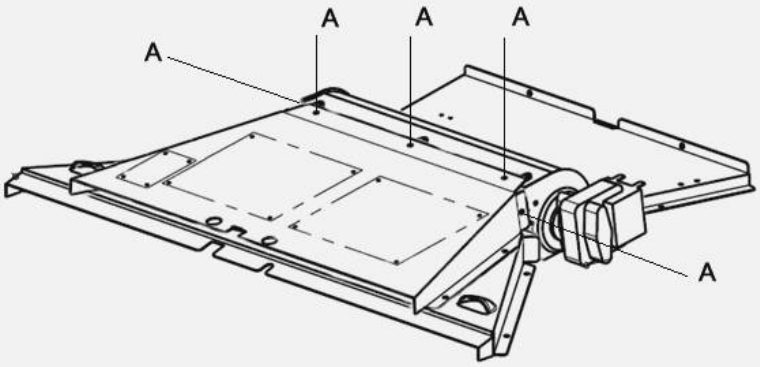


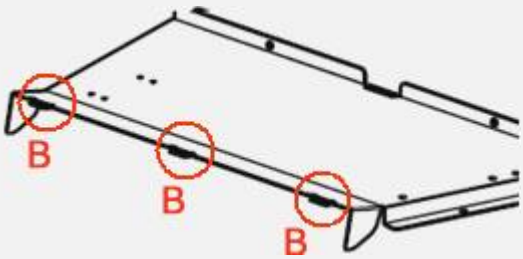
Lateral Handles (if present)



7.2 Cooling fan motor substitution

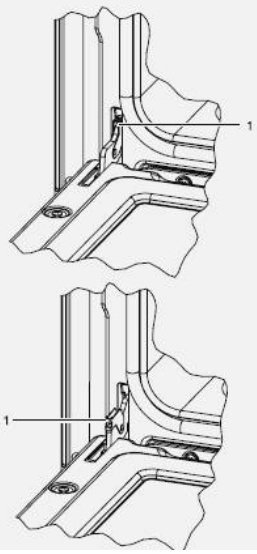
1. Disconnect the power supply cord and remove the Oven from the cabinet
2. Remove the two upper covers.
3. Remove the five screws **A** (two lateral & three on the top).
4. Disconnect the terminals on the fan and remove the fan damaged.
5. Replace the cooling fan motor, paying attention to the brackets **B** on the back support.
6. Connect the terminals and fix the motor by its screws.
7. The connections must not be loose.
8. Reinstall the Oven into the cabinet.
9. Reconnect the power supply cord after the Oven is installed.
10. Run the Oven and check all functions.





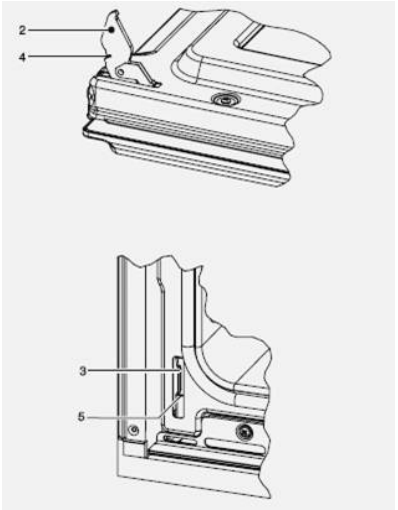
To Remove Door

1. Open the door completely.
2. Lift up the hinge bracket (1).
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 (2) of both hinges into the slots recesses (4) must hook on the lips (5).
2. Move the hinge brackets (1) back down into position.
3. Close and open the door slowly to assure that it is and securely in place.

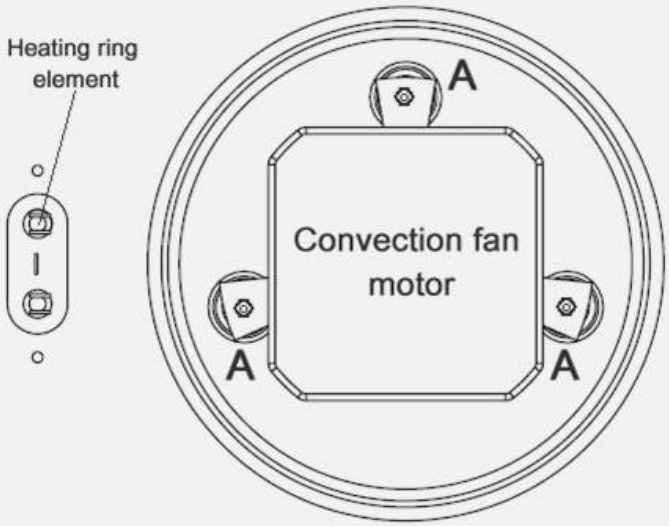


(3). The

correctly

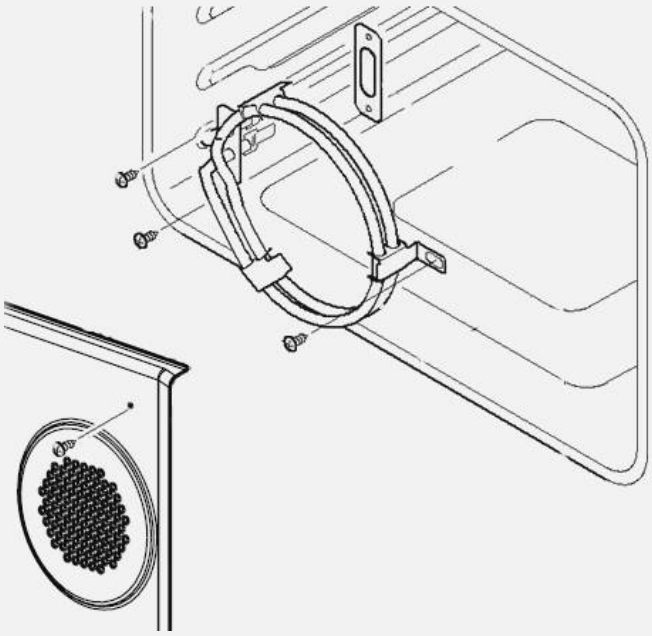
7.4 Convection fan motor substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the rear upper covers.
3. Disassemble the baffle by removing the four screws in the cavity for double fans.
4. Remove the fan blade by using a 10mm socket.
5. Disconnect the terminals on the fan in the rear side.
6. Remove the three nuts **A** on the motor holder by using a 7mm socket and remove it.
7. Mount the new fan motor on the holder and attach it with the nuts.
8. Attach 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.



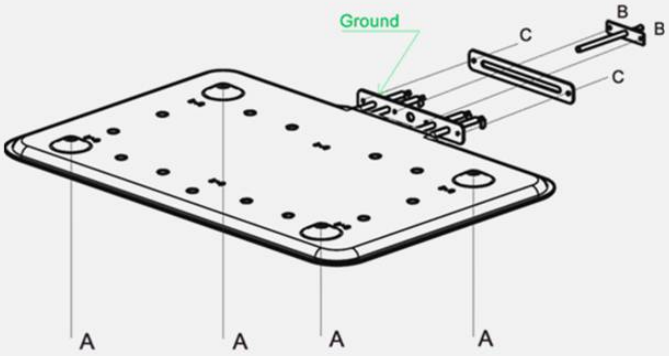
7.5
Ring element substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the rear upper covers.
3. Disassemble the baffle by removing the four screws in the cavity for double fans.
4. Disconnect the terminals of heating element and remove the ring element by removing the three screws.
5. Mount the new ring element with the new fiber gasket between the base of the element and the back side of the Oven.
6. Replace the baffle.
7. 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.



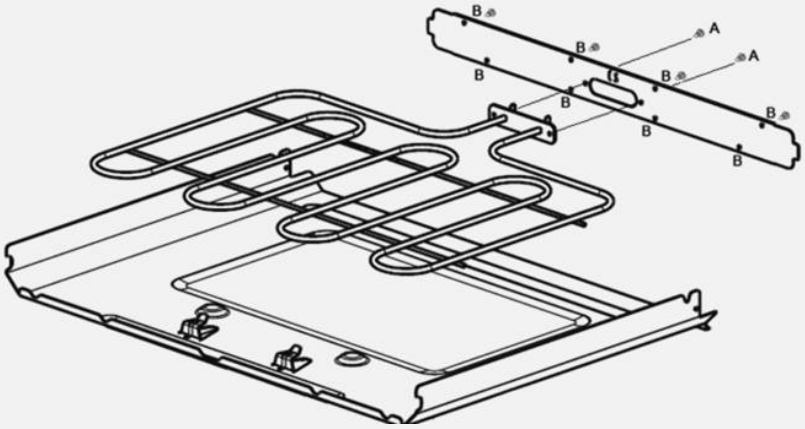
7.6 Upper element substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the rear upper covers.
3. Disconnect the terminals of heating element.
4. Remove the probe unscrewing its two screws **B**.
5. Remove the two screws **C** near the external terminals, **one of which is used for ground**.
6. Remove the upper element by removing four screws **A** on the brackets on top in the cavity.
7. Mount the new upper element with a new fiber gasket between the base of the element and the back side of the Oven.
8. Connect the terminals. Pay attention to the sequence of wiring on the element
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.



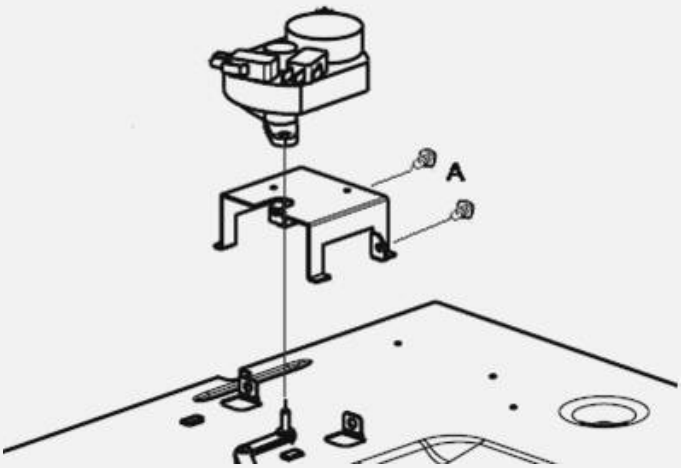
7.7 Lower element substitution

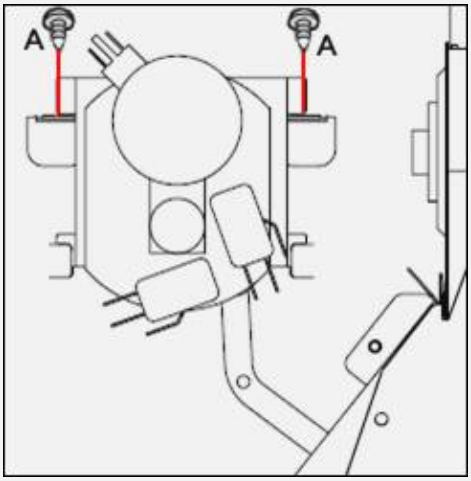
1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the rear cover.
3. Disconnect the terminals of heating element.
4. Remove the eight screws **B** on the brackets and the other two screws **A**near the external terminals.
5. Remove the brackets.
6. Pull out the lower 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

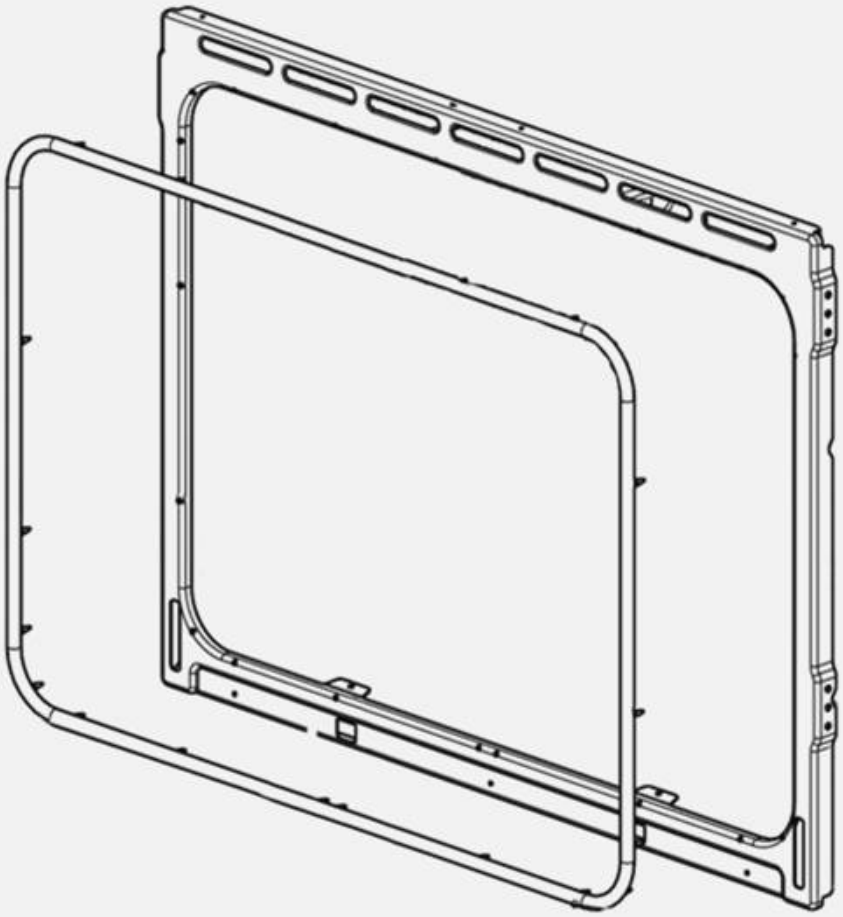
1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. On Single oven remove the two upper covers.
3. Disconnect the cables. Pay attention to the sequence of wiring of the motor (micro switch).
4. Remove the screws **A** and lift back the motor to remove it.
5. Disassemble the motor by removing the three screws under its support and remove it.
6. Replace the new motor assembly by reversing the previous steps.
7. Pay attention to the positioning when inserting the door lever mechanism into the eccentric of the motor.
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.





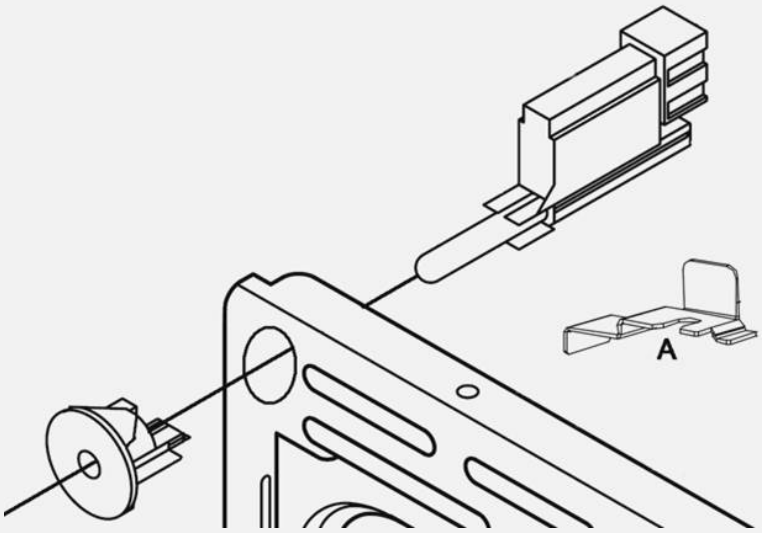
7.9
Door gasket substitution

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



7.10
Door Lock Switch substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Disconnect the terminals from the switch.
4. Unscrew the bracket A.
5. Pull out the switch from the holder .
6. Replace with a new switch by reversing the previous steps.
7. **PAY ATTENTION TO THE WIRING SEQUENCE N°1 – N°4**
8. The connections must not be loose.
9. Replace the profile .
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.

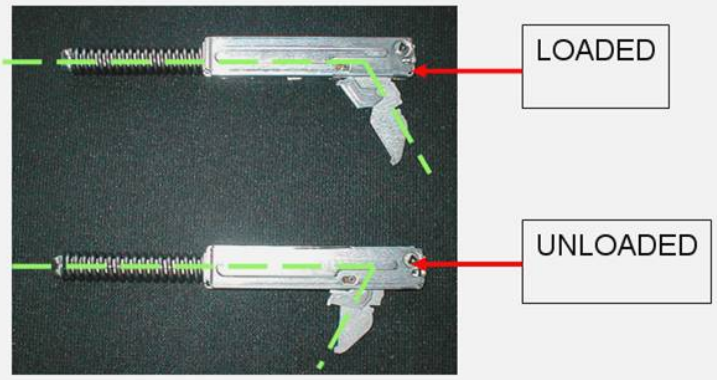


7.11 Cooking safety thermostats substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper covers.
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 Hinges preload

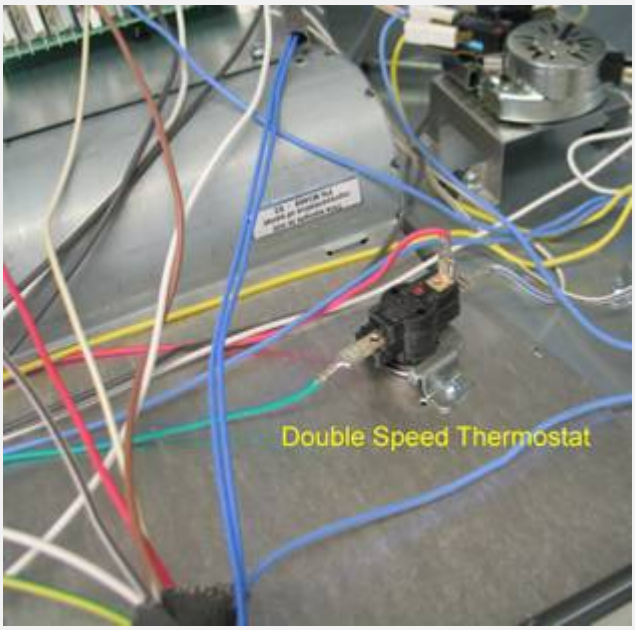
1. Before mounting the hinges ensure that the code is correct and then proceed with the loading of the hinge spring. There are two possible positions – LOADED and UNLOADED – as indicated above. The hinge must be assembled LOADED.



7.13
Piro safety thermostats substitution

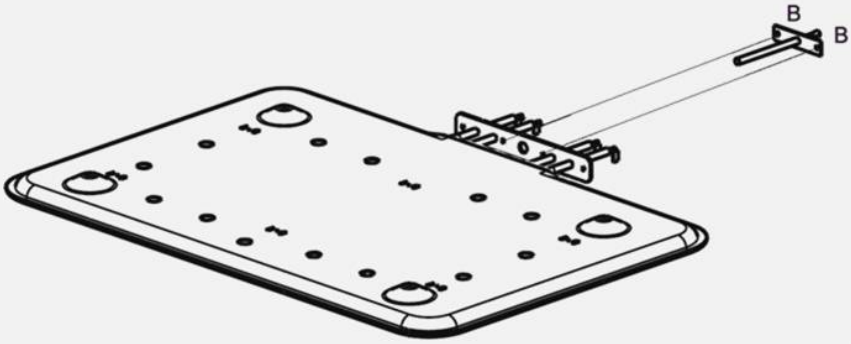
1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. On Single oven remove the two upper covers.
3. Unscrew the thermostat's holder:
4.
5. Safety thermostat.
6. Double speed cooling fan thermostat.
7.
8.
9. Replace with a new thermostat by reversing the previous steps.
10. The 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.

A



B

7.14
Probe Temperature substitution

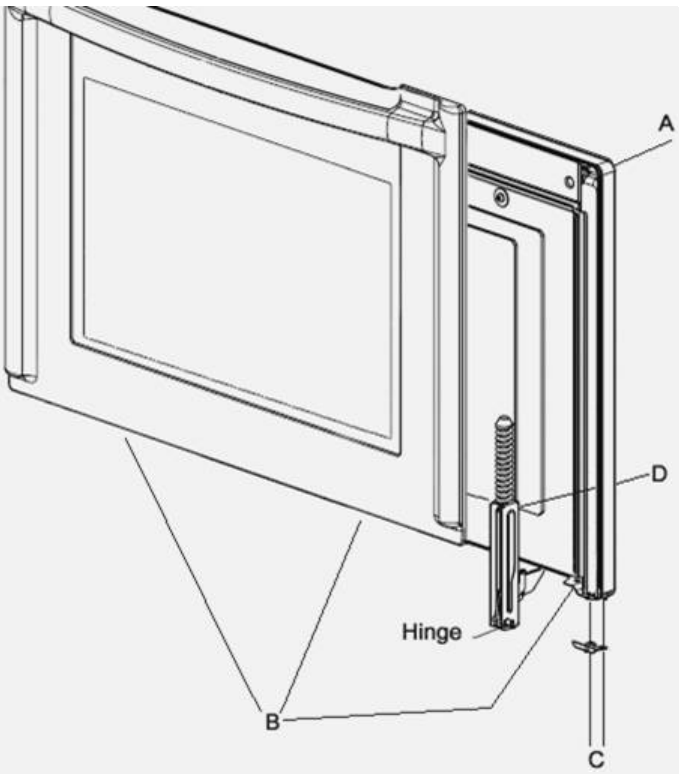


1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the rear upper covers.
3. To replace the probe, disconnect it and remove the attachment screws **B**.
4. Reinstall the Oven into the cabinet.
5. Reconnect the power supply cord after the Oven is installed.
6. Run the Oven and check all functions.

7.15

Door hinges substitution

1. Remove the 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. Remove the door external glass by the screws **A** and **B**.
4. Remove the hinges unscrewing the screws **C** and **D**.
5. To replace the hinges, reverse the previous steps.
6. To replace the aesthetic glass be sure that the door is in the right position keeping the glass centered.
7. Replace the Oven door following section 7.3.

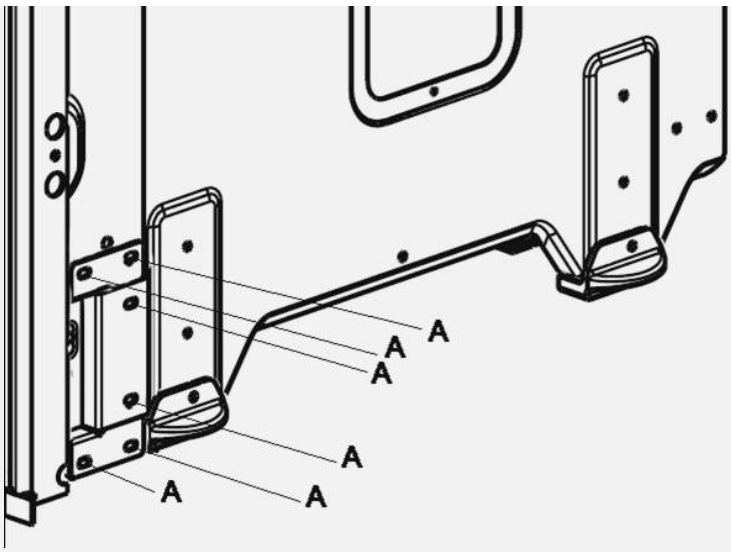


The new hinges must be preload before assemble (see section 7.12)

7.16

Door hinges box substitution

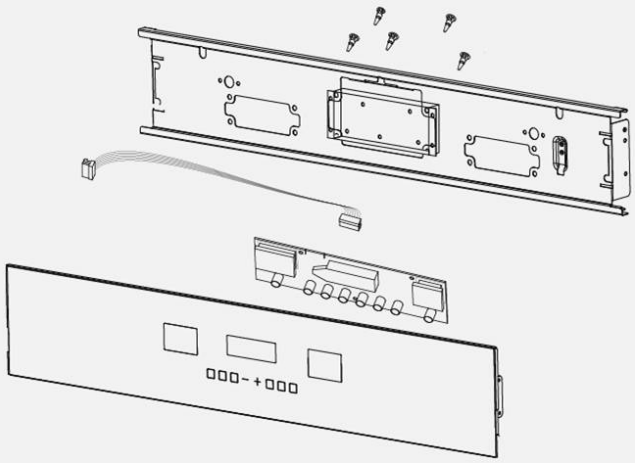
1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the door following the section 7.3.
3. Unscrew the screws **A** to change support.
4. Disassembling the hinges box from lateral panel.
5. To replace the new hinge box, reverse the previous steps.
6. Replace the Oven door 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

Display keyboard substitution

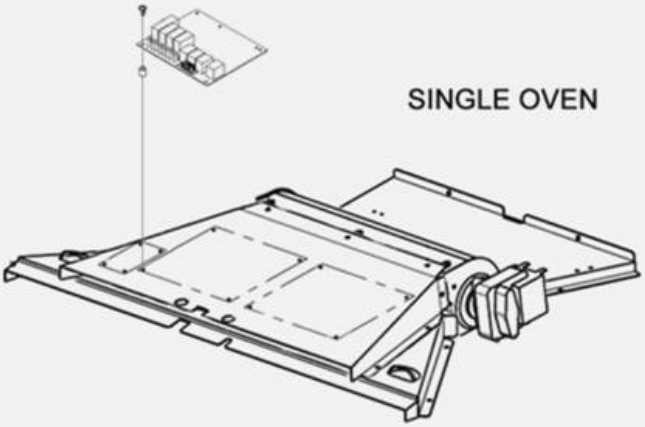
1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Remove the glass.
4. Disconnect the bad keyboard and remove it by the its plastic bracket.
5. Replace the new one by reversing the previous steps
6. **DURING MOUNTING, THE WIRES OR CONNECTIORS MUST 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 the model configuration and all functions. (section 2.5) (section 2.6)



7.18

Power board substitution

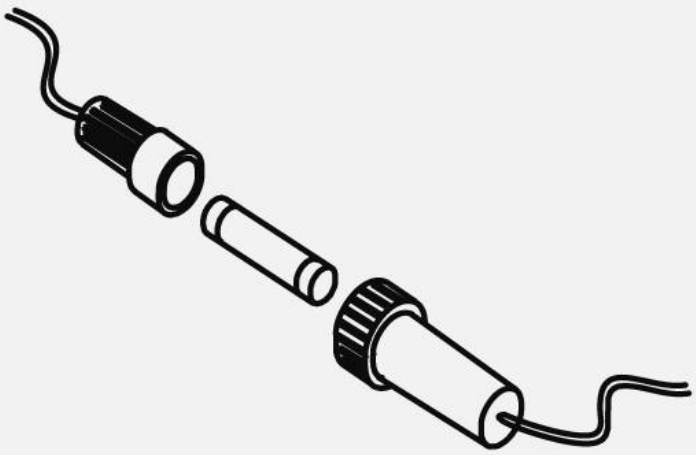
1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Remove the screws connecting the power board before disconnecting the cables.
4. Replace the new power board using its spacers.
5. Connect the cable following the electric diagram.
6. **DURING MOUNTING, THE WIRES OR CONNECTIORS MUST BE CONNECTED IN THE CORRECT POSITION.**
7. The connections must not be loose.
8. Reconnect the power supply cord before installing the Oven and check all functions.
9. **Check the Oven by MANUAL TEST following the procedure shown on SECTION 2.6.**
10. Disconnect the power supply cord and reinstall the Oven into the cabinet.
11. Reconnect the power supply cord after installing.
12. Run the Oven and check all functions.



7.19

Fuse substitution

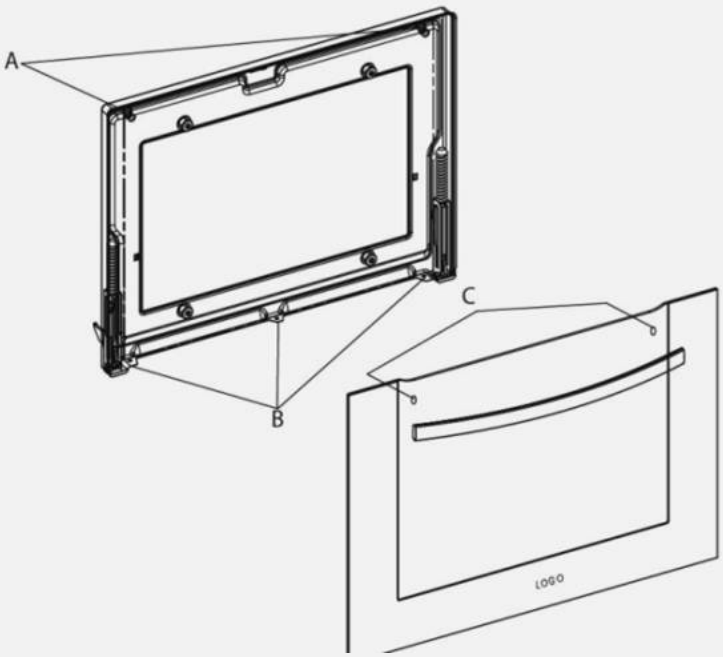
1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. Remove the upper cover.
3. Disconnect the bad fuse from its support and replace it with a new one.
4. Reinstall the Oven into the cabinet.
5. Reconnect the power supply cord after the Oven is installed.
6. **Check the Oven by MANUAL TEST following the procedure shown on SECTION 2.6.**



7.20

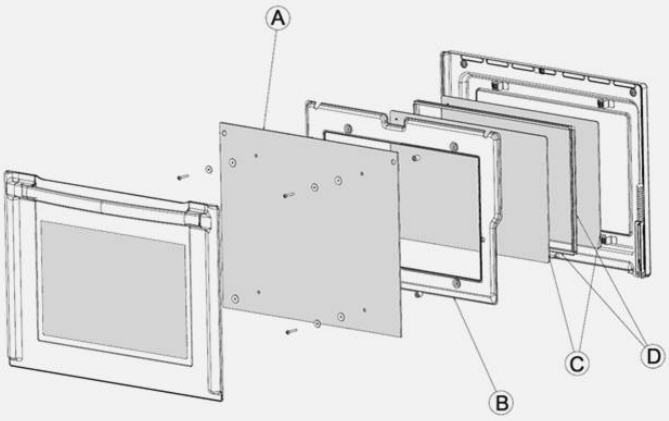
Door external glass substitution

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 **A**and three screws on the bottom **B**.
4. Remove also the handle by its two screws **C**.
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 and making attention at correct position of rubber bumpers.
7. Replace the Oven door following the section 7.3.



7.21

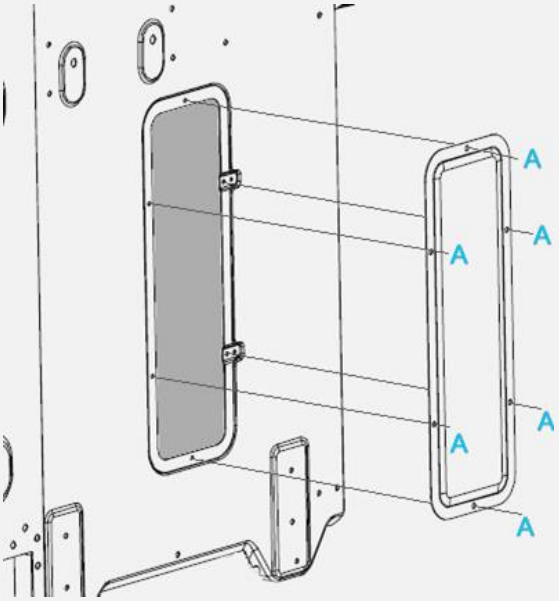
Door internal glass substitution

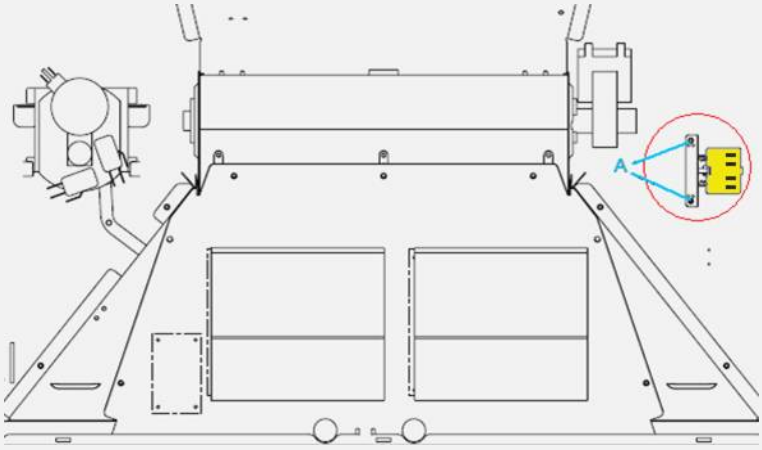


1. Remove the door from the oven section 7.3.
2. Put the door on a flat surface with a soft cloth to prevent scratching of the aesthetics.
3. Remove the external glass from the door unscrewing two screws on the corner and three screws on the bottom (see section 7.20).
4. Remove the four screws with its spacers which fix the main screen glass **A**.
5. Remove the metal frame **B** to reach the two internal glass **C**separated by a square metal spacer **D**.
6. Now depends which glasses is broken, replace with the new one.
7. **When it is changed an internal glass you must be sure that the face whit CA (CAVITY) printed it is towards the cavity.**
8. Assemble the glass and door keeping door in the middle of the glass.
9. Replace the Oven door following the section 7.3.

7.22 Lampholder substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet .
2. Remove the lampholder cover panels situated on the side of the oven and unscrew the relative ground wire **A**
3. Remove the lampholder removing its screw and extract the defective lampholder from the oven cavity. Cut the defective lampholder wires just above the lampholder body. Mount the new lampholder in the oven cavity and fix with the relative fixing screw .
4. Twist together the new lampholder wires to the old defective lamp holder wires then 'run' them through the relative protective sleeve. Once the new lampholder wires come through the other end of the protective sleeve untwist the wires and dispose of the old wiring as follows.
5. Using a sharp tipped screwdriver carefully unlock the old wiring 'faston' type connector spade terminal. Once the old wires are released you can through them away. Retain the old lampholder connector for the new lampholder as this will be recovered for further use (see next point).
6. Take the new lampholder and insert the wires into the recovered connector. This is done by pushing each 'faston' wiring spade terminal into the connector until it 'clicks' in place. Ensure that both new lampholder wires are firmly in place before reassembling the lamp connector. Ensure that the male and female parts of the connector are firmly locked together.



7.23
Oven filter substitution

1. Disconnect the power supply cord and remove the Oven from the cabinet.
2. On Single oven remove the two upper covers.
3. Disconnect the terminals from filter.
4. Remove the filter damaged by unscrew two screws **A** and dismount it from its bracket.
5. Replace a new one
6. Pay attention to the wiring sequence
7. The connections must not be loose.
8. Reinstall the Oven into the cabinet.
9. Reconnect the power supply cord after the Oven is installed.
10. Run the Oven and check all functions