

SERVICE MANUAL

COOKING



Free-standing cookers

© ELECTROLUX HOME PRODUCTS Corso Lino Zanussi,30 I - 33080 PORCIA /PN (ITALY) Tel +39 0434 394850 Fax +39 0434 394096

599 36 45-83

IT/SERVICE/RB

Publication no.

ACCESS TO "ACCESS" STRUCTURE

599 36 45-83

SOI

Edition: 05.2004

SOI 05.04 RB

1/31

CONTENTS

1 - INTRODUCTION	-page	5
1.1 – PURPOSE OF THIS MANUAL	- page	5
2 - ACCESS COOKERS (ELECTRIC OVEN SECTION)	-page	5
2.1 – DISCONNECTING FROM THE POWER SUPPLY	-page	5
2.2 – REMOVING THE CONTROL PANEL	- page	5
2.3 – REMOVING THE REAR PANEL (various components)	- page - page - page - page - page - page - page	6 7 8 8 9 10 10
2.4 – REMOVING THE SIDE PANELS	- page	12
2.5 – REMOVING THE FRONT GASKET	- page	13
2.6 – REMOVING THE OVEN DOOR	- page - page	14 16 17 17
2.7 - HEATPROOF GLASS PANELS	- page	18
3 – ACCESS COOKERS (GAS OVENS)	page	19
3.1 – DISCONNECTING THE OVEN FROM THE POWER SUPPLY		19
3.2 – DISCONNECTING THE GAS SUPPLY	-page	19
3.3 – REMOVING THE CONTROL PANEL	-page	19
3.4 – REMOVING THE REAR PANEL (various components)	- page	20
3.5 – REMOVING THE SIDE PANELS	- page	20
3.6 – REMOVING THE FRONT GASKET	- page	20
3.7 – REMOVING THE OVEN DOOR	- page	20
3.8 – REMOVING THE GRILL CUT-OFF MICROSWITCH	- page	21
3.9 - REMOVING THE ON MICROSWITCH	- page	22
3.10 – REMOVING THE GAS OVEN THERMOSTAT	- page	22
3 11- REMOVING THE CONTROL TAPS OF COOKING TOP	- nage	24

5 - ORGANIZATION OF ACCESS SERVICE MANUALS page	31
4.1 – REMOVING THE GAS WORK TOPpage	30
4 - ACCESS COOKERS (TOP SECTION)page	30
3.14 –ADJUSTING THE MINIMUM SETTING OF THE BURNERS page 3.14.1 – ADJUSTING THE MINIMUM SETTING OF COOKING TOP BURNERS page 3.14.2 – ADJUSTING THE MINIMUM SETTING OF OVEN BURNERpage	29
3.13 – REMOVING THE INJECTORS	28
3.12 – REMOVING THE OVEN BURNERpage 3.12.1 –REMOVING THE IGNITER/THERMOCOUPLE SUPPORTpage 3.12.2 – REMOVING THE IGNITER AND THERMOCOUPLEpage	27

1 - INTRODUCTION

1.1 - PURPOSE OF THIS MANUAL

The purpose of this Manual is to provide a general outline of the methods of accessing the various versions of ACCESS free-standing cookers. In the sections of the components the dismantling procedures are described. To remount the components, do the operations in the reverse order.

2 - ACCESS COOKERS (ELECTRIC OVENS)

2.1 - DISCONNECTING

IMPORTANT: Before accessing any of the components inside the oven, it is essential to disconnect the oven from the power supply by removing the plug from the power socket or by turning the main switch on the domestic circuit (if featured) to "OFF".

2.2 - DISMANTLING CONTROL PANEL

To dismantle the control panel it is necessary to remove the work top (see chapter 4.1) and the knobs:

- 1. Remove the two screws in the upper part of the front panel (see fig.1).
- 2. Open the oven door.
- 3. Remove the two screws in the lower part of the front panel (see fig. 2).

Fig. 1

Position of the screws in the upper part of the control panel



Fig. 2

 1 - Position of the screw of the front panel lower part



2.3 - REMOVING THE REAR PANEL (VARIOUS COMPONENTS)

In order to remove the rear panel, it is sufficient to remove the four rear screws (see fig.3).

Fig.3



After removing the rear panel, the following components are accessible: the lamp-holder, the various heating elements, the convection fan motor, the terminal block/cable clamp and the pulse generator.

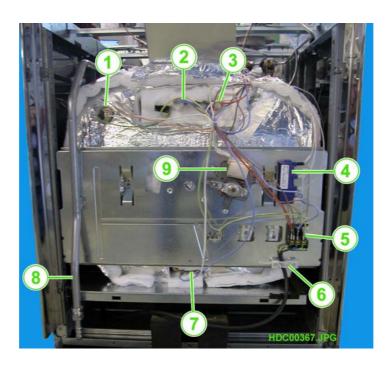


Fig.4

- 1 LAMP-HOLDER
- 2 UPPER/GRILL HEATING ELEMENT
- 3 SAFETY THERMOSTAT
- 4 PULSE GENERATOR
- 5 TERMINAL BLOCK

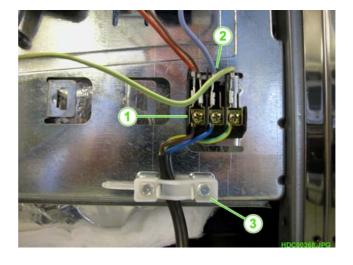
- 6 CABLE CLAMP
- 7 LOWER HEATING ELEMENT
- 8 FEED PIPE
- 9 CONVECTION FAN

2.3.1 - REMOVING THE TERMINAL BLOCK

The terminal block for the electrical connections is pressure-fitted into its housing. To remove the terminal block, use a screwdriver to lever open the anchor tab (Fig.5 Pos.2).

Fig.5

- 1 TERMINAL BLOCK
- 2 HOLE FOR ANCHOR TAB
- 3 CABLE CLAMP

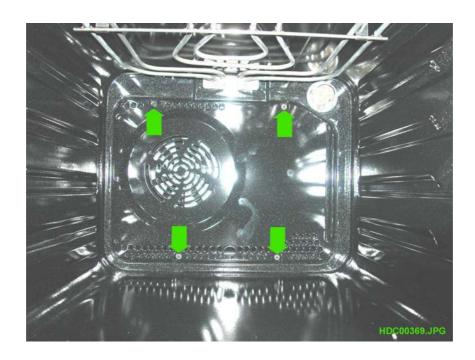


2.3.2 - ACCESSO TO THE CONVECTION FAN

Proceed as follows to remove the convection fan blades:

Remove the grilles and the drip pan from the inside of the oven. Unscrew the four screws (fig. 6) and remove the bottom panel from inside the oven

Fig.6



2.3.3 - REMOVING THE CONNECTION FAN

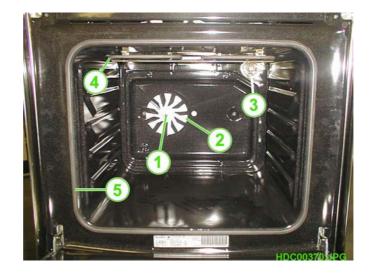
After removing the internal panel the convection fan is accessible.

Remove the central screw (Fig.7 Pos.1) without moving the fan

IMPORTANT: The screw is threaded in the opposite direction, i.e. must be turned counter-clockwise to tighten).

Fig.7

- 1 Convection fan screw
- 2 Convection fan
- 3 Lamp-holder
- 4 Upper heating element
- 5 Front panel gasket



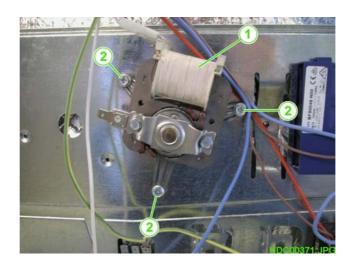
2.3.4 - REMOVING THE CONVECTION FAN

After removing the convection fan it is necessary:

- 1 Detach the connector wires, marking the position.
- 2 Remove the three screws (Fig.8 Pos.2).

Fig.8

- 1 Convection fan
- 2 Convection fan screws



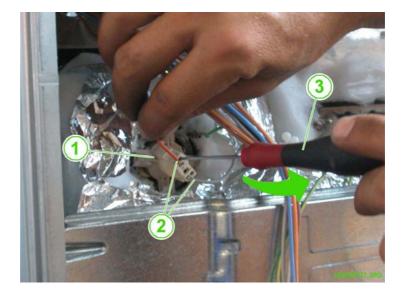
2.3.5 - REMOVING THE LAMP-HOLDER

Remove the rear panel, then proceed as follows to remove the lamp-holder:

1 - Using a screwdriver with a 3mm tip, detach the connector wires (Fig.9).

Fig.9

- 1 Lamp-holder
- 2 Connector wires
- 3 3mm screwdriver

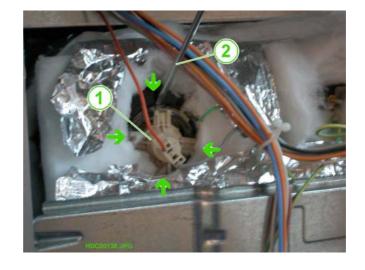


2 - Using a standard screwdriver, lever open the anchor tabs and release the lamp-holder (Fig.10).

Fig.10

- 1 Lamp-holder
- 2 Screwdriver

N.B.: The arrows indicate the positions of the anchor tabs

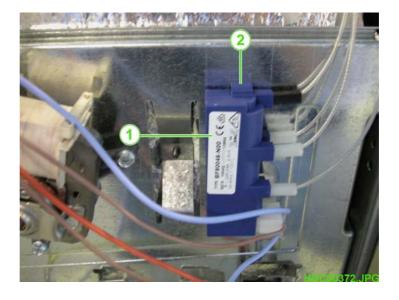


2.3.6 - REMOVING THE PULSE GENERATOR

In order to remove the pulse generator it is necessary to use a screwdriver on the anchor tabs (fig.11 Pos.2) and detach it from the support.

Fig.11

- 1 Pulse generator
- 2 Anchor tab



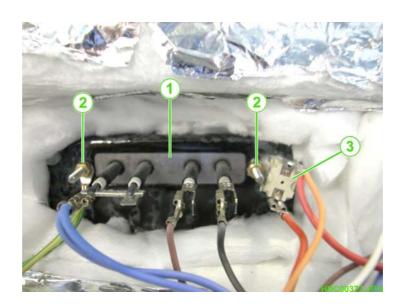
2.3.7 - REMOVING THE UPPER/GRILL HEATING ELEMENT

To remove the upper/grill heating element it is necessary:

- 1 Detach the cables marking the positions.
- 2 Unscrew the rear nuts (Fig.12 Pos.2)

Fig.12

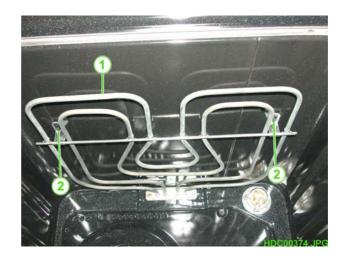
- 1 Upper/grill heating element
- 2 Heating element nut
- 3 Safety thermostat



- 3 Remove from the internal side of the oven the two screws (Fig.13 Pos.2)
- 4 Remove the heating element from the internal side of the oven.

Fig.13

- 1 Upper/grill heating element
- 2 Heating element screws



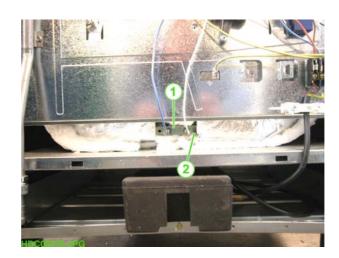
2.3.8 - REMOVING THE LOWER HEATING ELEMENT

To remove the lower heating element:

- 1 Disconnect the cables.
- 2 Remove the screw (Fig.14 Pos.2).
- 3 Remove the heating element from the rear side.

Fig.14

- 1 Lower heating element
- 2 Heating element screw



2.4 - REMOVING THE SIDE PANELS

To remove the side panels it is necessary:

- 1 Remove the rear panel (see paragraph 2.3)
- 2 Remove the side panel rear screws (Fig.15 Pos.2)

Fig.15

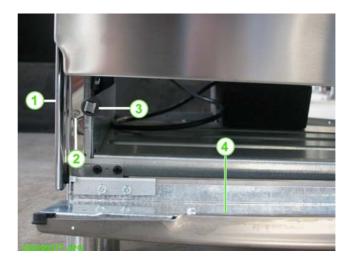
- 1 Side panel
- 2 Side panel rear screw



3 - Remove the side panel front screws (Fig.16 Pos.2)

Fig.16

- 1 Side panel
- 2 Side panel front screw
- 3 Magnet
- 4 Flap door



2.5 - REMOVING OF FRONT PANEL GASKET

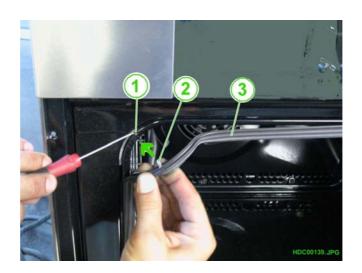
In order to dismantle the front gasket it is sufficient to detach the 4 clamps from the holes located on the oven liner, pulling the gasket towards the outwards (see Fig.17 and 18).

Fig.17 FIXING POINTS OF THE FRONT GASKET



Fig.18

- 1 Hook hole
- 2 Gasket fixing hook 3 Front gasket



2.6 - REMOVING THE OVEN DOOR

Removal of the oven door is the same as for previous models. To dismantle the oven door:

- 1 Open the door.
- 2 Raise the two hinge arrests (see Fig.19, 20 and 21).
- 3 Slide the door upwards.

Fig.19

- 1 Front panel gasket2 Oven front panel
- 3 Door internal side (inner door)
- 4 Oven hinge
- 5 Hinge arrest lever

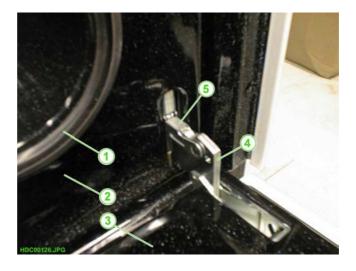


Fig.20

- 1 Hinge arrest lever (raised)
- 2 Oven hinge



Fig.21

1 – Hinge arrest lever (locked) 2 – Oven hinge



N.B.: While remounting the door, before closing it, pay attention to raise the levers completely in their original position (see Fig.21).

2.6.1 - REMOVING THE INNER DOOR

After removing the inner door:

- 1 Remove the two screws in the lower part of the door (see Fig.22 Pos.6).
- 2 Remove the inner door from the upper part of the door detaching it from the door panel crossing piece (see Fig.23).

Fig.22

- 1 Inner door assy
- 2 Right hinge
- 3 Left hinge
- 4 Door panel
- 5 Hinge screw
- 6 Inner door screw
- 7 Door panel screw

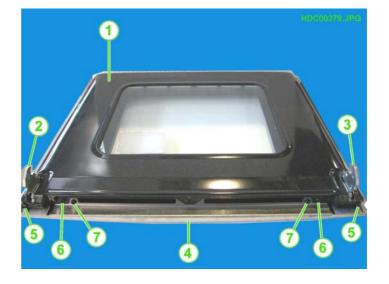


Fig.23

- 1 Inner door assy
- 2 Door glass assy 3 Door panel
- 4 Right lower bracket for glass
- 5 Left lower bracket for glass

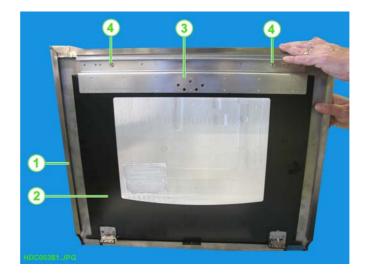


2.6.2 - REMOVING THE OVEN DOOR HANDLE

After removing the inner door, it is possible to access to the oven door handle. Remove the two screws located in the door glass crossing piece (see Fig.24 Pos.4).

Fig.24

- 1 Door panel
- 2 Door glass assy
- 3 Door glass crossing piece
- 4 Handle screws



2.6.3 - REMOVING THE DOOR PANEL

After removing the inner door (see paragraph 2.6.1) and the inner door handle (see paragraph 2.6.2) it is possible to access to the door panel, removing the two screws which secure it to the door glass assy (Fig.25 Pos.2).

Fig.25

- 1 Door panel
- 2 Panel screws to door glass assy
- 3 Door glass assy



2.7 - HEATPROOF GLASS PANELS

Glass components of the oven which are subjected to a special heat treatment on one surface are referred to as "heatproof glass".

This special treatment improves the heat insulation of the glass (i.e. reduces the temperature on the external surface of the door).

When fitting the glass panel to the oven door, it is necessary to ensure that the treated surface faces outwards.

If the glass panel is fitted with the treated surface facing inwards, the efficiency of the heat insulation will be reduced.

If the glass is not silk-screened, it is necessary to measure the resistance (the treated side is conductive.

IDENTIFYING THE SURFACE WITH HEAT TREATMENT

When the resistance is measured using an ohmmeter, the surface without heat treatment must give an "infinite" reading.



Fig. 40

The surface with heat treatment must have a resistance of about 200 ohm.

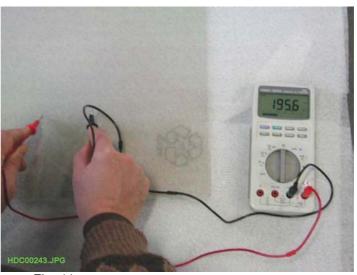


Fig. 41

SOI 05.04 RB 18/31 599 36 45-83

3 - ACCESS COOKERS (GAS OVENS)

3.1- DISCONNECTING THE OVEN FROM THE POWER SUPPLY

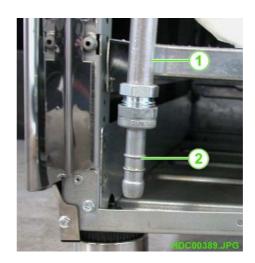
IMPORTANT: Before accessing any of the internal components, it is essential to disconnect the oven from the power supply by removing the plug from the socket or by positioning the switch on the power circuit (if any) to "OFF".

3.2 DISCONNECTING THE GAS SUPPLY

Proceed as follows to disconnect the gas supply:

- 1 Shut off the gas supply valve.
- 2 Unscrew the gas connection (see Fig.28).

Fig.28 1 – Gas inlet hose 2 – Gas connection



3.3- REMOVING THE CONTROL PANEL

For the access to the control panel refer to chapter 2.2 REMOVING THE CONTROL PANEL (page 5) electric ovens section.

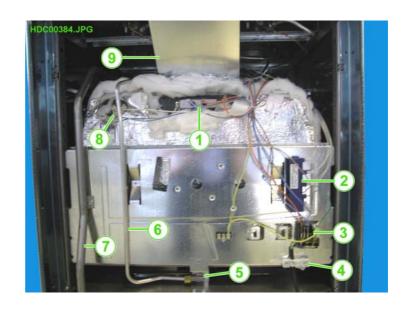
3.4- REMOVING THE CONTROL PANEL (VARIOUS COMPONENTS)

After removing the rear panel (see paragr. 2.3) the lamp-holder, the upper heating element, the terminal block and the pulse generator are accessible.

For the access to the components described above refer to chapter 2.3 REMOVING THE REAR PANEL (page 6) electric ovens section.

Fig.29

- 1 Grill heating element
- 2 Pulse generator
- 3 Terminal block
- 4 Wire clamp
- 5 Oven burner connection
- 6 Oven burner hose
- 7 Gas pipe to burner
- 8 Lamp-holder
- 9 Exhaust duct



3.5 - REMOVING THE SIDE PANELS

For the access to the side panels please refer to chapter 2.4 REMOVING THE SIDE PANELS (page12) electric ovens section.

3.6 - REMOVING THE FRONT GASKET

For the access to the front gasket please refer to chapter 2.5 REMOVING THE FRONT GASKET (page 13) electric ovens section.

3.7 - REMOVING THE OVEN DOOR

For the access to the oven door please refer to chapter 2.6 REMOVING THE OVEN DOOR (page14) electric ovens section.

3.8 - REMOVING THE GRILL CUT-OFF MICROSWITCH

After removing the worktop (see paragr 4.1), the knobs and the control panel (see paragr. 2.2) \cdot

- 1. Remove the faston connector for the grill cut-off microswitch marking the position (Fig.31).
- 2. Remove the nuts of the grill cut-off microswitch (Fig 30 Pos.5).

Fig.30

- 1 Front panel
- 2 Lower front panel
- 3 Gas tap control spindle
- 4 Bracket screw to tap support
- 5 Cut-off microswitch nut
- 6 Control lever for grill exclusion microswitch
- 7 Cam for cut-off microswitch
- 8 Gas thermostat control spindle
- 9 ON microswitch

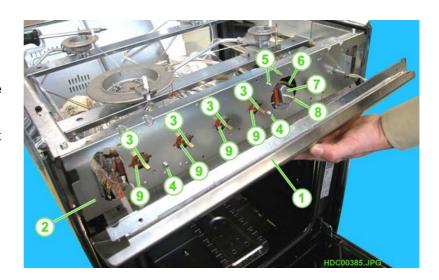
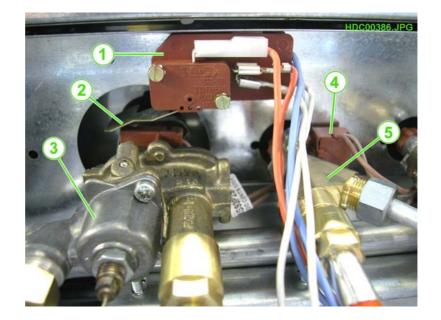


Fig. 31

- 1 Grill cut-off microswitch
- 2 Control lever for grill exclusion microswitch
- 3 Gas oven thermostat
- 4 ON microswitch
- 5 Valved tap



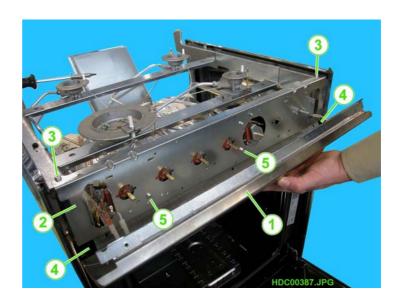
3.9 - REMOVING THE GRILL THE "ON" MICROSWITCH

To access the ON microswitches it is necessary:

- 1 Remove the work top (see paragr. 4.1), the knobs and the control panel (see paragr. 2.2).
- 2 Remove the two screws (Fig.32 Pos.5) which secure the bracket to the ramp.
- 3 Remove the lower front panel unscrewing the four screws (Fig.32 Pos.3 and 4).
- 4 Detach the "ON" microswitch from the taps and the gas thermostat pin after removing the grill cut-off cam.

Fig.32

- 1 Front panel
- 2 Lower front panel
- 3 Lower front panel upper screws
- 4 Lower front panel lower screws
- 5 Ramp support bracket screws



3.10 - REMOVING THE GAS THERMOSTAT

In order to remove the gas thermostat, first disconnect the appliance from the electrical power supply and the shut off the gas supply. Then remove the work top (see chapter 4.1):

- 1. Detach the gas delivery pipe which supplies the oven burner (fig. 33, pos. 4); for models with a gas grill, detach the pipe to the grill also.
- 2. Remove the front control panel (see 2.2).
- 3. Remove the two screws which secure the gas delivery pipe, which acts as a support for the gas thermostat (the thermostat is secured in the front section of the area beneath the control panel) (fig. 32, pos. 5).
- 4. Remove the lower front panel unscrewing the four screws (fig. 32, pos.3 and 4)
- 5. Detach the connector wire from the thermocouple (fig, 32, pos. 3-4).
- 6. Remove the two screws which secure the thermostat to the gas delivery pipe (fig. 33, pos. 5).
- 7. Remove the exhaust duct unscrewing the two screws which secure it to oven liner
- 8. Slide out the thermostat bulb from the upper part of the muffle and release it from the retaining spring (fig. 36, pos. 1 and 2)

Fig.33

- 1 Exhaust duct
- 2 Gas oven thermostat
- 3 Gas taps
- 4 Oven burner hose 5 Thermocouple capillary gas oven thermostat
- 6 Connectors to gas taps thermocouple
- 7 Gas delivery pipe

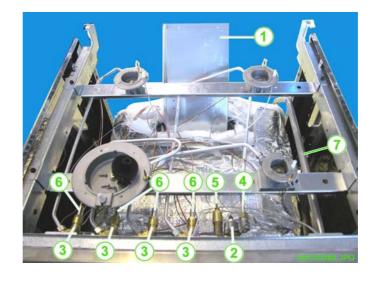


Fig.34

- 1 Gas oven thermostat
- 2 Thermostat screws
- 3 Support bracket

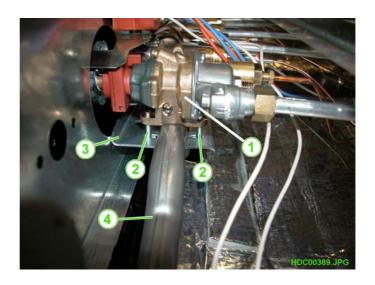


Fig.35

- 1 Exhaust duct
- 2 Duct screws
- 3 Rear panel

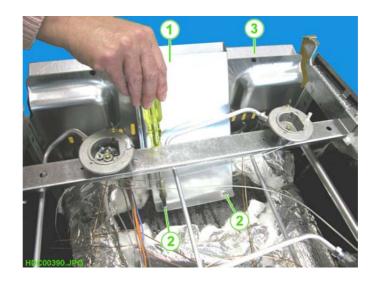
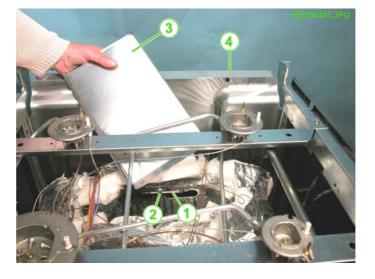


Fig.36

- 1 Gas thermostat bulb
- 2 Bulb retaining spring
- 3 Exhaust duct
- 4 Rear panel



3.11 - REMOVING THE CONTROL TAPS OF COOKING TOP

To access to the control taps of the cooking top, after disconnecting the gas and power supply it is necessary to:

- 1 Disconnect the gas delivery pipe to the burners (Fig.37 Pos2).
- 2 Disconnect the thermocouple (Fig.37 Pos.3)
- 3 Remove the control panel (see paragr. 2.2).
- 4 Remove the screws of the support bracket located on the lower front panel (Fig.38 Pos.1).
- 5 Remove the lower front panel unscrewing the four screws (Fig.32 Pos.3 and 4).
- 6 Remove the two screws which secure the tap to the support bracket (Fig.37 Pos.4).

Fig.37

- 1 Tap
- 2 Gas delivery pipe to
- 3 Thermocouple
- 4 Tap screws
- 5 ON microswitch

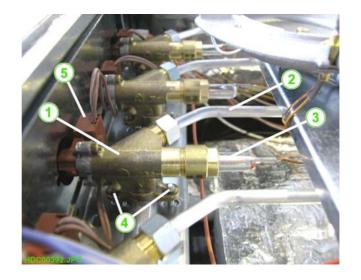


Fig.38 1 - Screw position of the support bracket



3.12 - REMOVING THE OVEN BURNER

To remove the oven burner, after disconnecting the power and gas supply, it is necessary to:

- 1 Remove the oven bottom (see Fig.39)2 Remove the burner screw (see Fig.40 Pos.2).
- 3 Raise the burner to extract it.

Fig.39

1 - Oven bottom



Fig.40

- 1 Oven burner
- 2 Burner screw
- 3 Oven burner rail

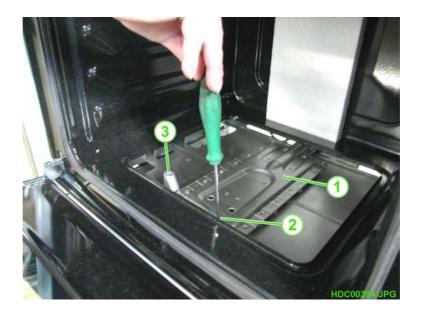
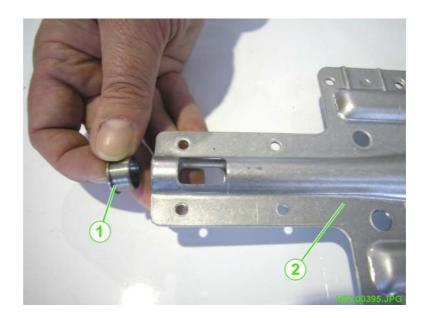


Fig.41

- 1 Burner ferrule
- 2 Oven burner



N.B.: During the operations of removing and remounting the oven burner pay attention to the burner ferrule: when remounting the burner it is important to position the ferrule in the correct place to avoid burning problems (Fig.41).

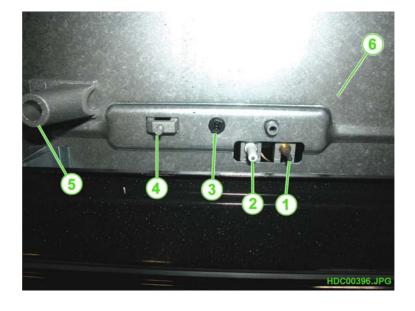
3.12.1 - REMOVING THE IGNITER

After removing the oven burner it is possible to access to the igniter support which is positioned below the lower panel (Fig.43).

- 1 Remove the screw (see Fig.42 Pos.3) from the internal side of the oven liner.
- 2 Open the inner door and extract the support from the lower part (see Fig.43).

Fig.42

- 1 Oven thermocouple
- 2 Igniter
- 3 Support screw
- 4 Support
- 5 Igniter rail
- 6 Lower panel

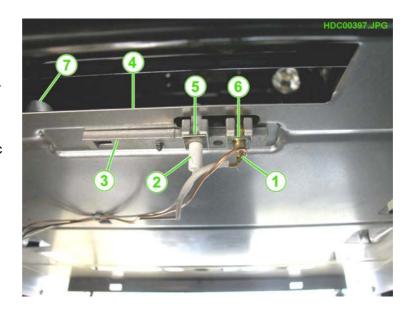


3.12.2 - REMOVING THE IGNITER/THERMOCOUPLE

To remove the igniter and the thermocouple it is necessary to detach the igniter clamp (Fig.43 Pos.5) and the elastic ring of the thermocouple (Fig.43 Pos.6).

Fig.43

- 1 Oven thermocouple
- 2 Igniter
- 3 Thermocouple igniter support
- 4 Lower panel
- 5 Igniter clamp
- 6 Thermocouple elastic ring
- 7 Igniter rail

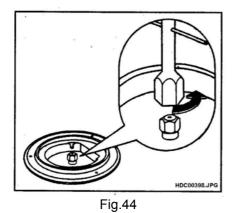


3.13 - REMOVING THE INJECTORS

3.13.1 - REMOVING THE INJECTORS OF THE COOKING TOP

- 1. Remove the grids of the cooking top.
- 2. Remove the caps and the wall baffles from the burners.
- 3. With a 7 socket wrench unscrew and remove the nozzles (Fig.44) replacing them with those corresponding to the type of gas used (see table "Characteristics of the burners" in the User Manual of the appliance).
 - For the adaptation to the use of the town gas, after the replacements of the nozzles, mount the proper air regulators (Fig. 45 air regulator "A" with Ø 10 hole for the semi-rapid and Auxiliary burners, air regulator "B" with a Ø 16 hole for the rapid burner).
- 4. Remount the components performing the operations in the reverse order.

AIR REGULATORS



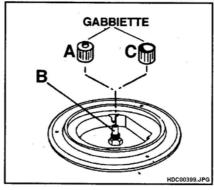


Fig.45

3.13.2 - REMOVING THE OVEN BURNER INJECTOR

- 1. Remove the oven bottom (Fig.46 A) which covers the burner (Fig.46 B).
- 2. Remove the screw of the oven burner (Fig.47 C) and detach it.
- 3. With a 7 socket wrench unscrew and remove the nozzle positioned in the oven bottom (Fig.48-D) and replace it with the one corresponding to the type of gas used (see table "Characteristics of the burners" in the User Manual of the appliance).
- 4. Remount the components performing the operations in the reverse order.

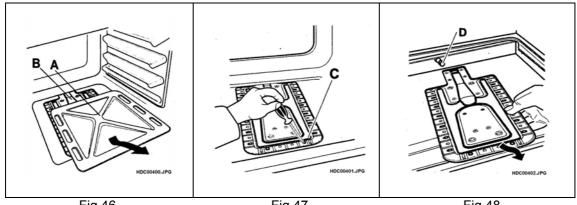
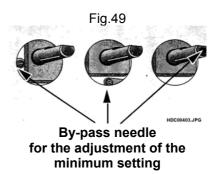


Fig.46 Fig.47 Fig.48

3.14 - ADJUSTING THE MINIMUM SETTING FOR THE OVEN BURNER

3.14.1 - ADJUSTING THE MINIMUM SETTING OF THE COOKING TOP BURNERS

- 1. Switch the burner flame on.
- 2. Turn the tap to the minimum setting.
- 3. Extract the knob.
- 4. Use a thin blade screwdriver on the by-pass needle placed at the side of the tap rod or inside it (see Fig.49). If you pass from methane gas to GPL gas, fix properly the by-pass needle. If you pass from methane gas to town gas, unscrew it by 3/4 turn.
 - To pass from **GPL** gas to methane unscrew by 1/4 turn, while to pass from **GPL** gas to town gas it is necessary to unscrew by 1 turn.
 - In any case the result should be a small homogeneous and regular flame on the whole burner crown.
- 5. Verify that, turning the tap rapidly from the maximum to the minimum setting, the burner does not switch off.
- 6. Remount the components performing the operations in the reverse order.



3.14.2 - ADJUSTING THE MINIMUM SETTING OF OVEN BURNER

Check that the appliance is disconnected from the power supply.

- Switch on the oven burner and let it operate for about 10 minutes on the max. temperature position with the oven door closed.
- 2. Adjust the temperature on about 140 °C (min.).
- 3. Extract the oven knob.
- 4. If the oven features also an electric grill, it will be necessary to remove the cam fitted to the thermostat rod.
- 5. Operate with a thin blade screwdriver on the by-pass needle placed on the right of the thermostat rod (Fig.50).
 - If you pass from methane gas to GPL gas, screw the by-pass needle clockwise. If you pass from methane gas to town gas, unscrew it by 1 turn.

 To pass from GPL gas to methane unscrew by 1/2 turn, while to pass from GPL gas to town gas it is necessary to unscrew by 1 and a half turn.

 In any case the result should be a small homogeneous and regular flame on the whole burner crown.
- 5. Verify that, turning the tap rapidly from the maximum to the minimum setting, the burner does not switch off.
- 6. Remount the components performing the operations in the reverse order.

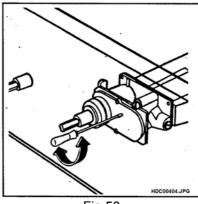


Fig.50

4 - ACCESS COOKERS (TOP SECTION)

4.1 - REMOVING THE GAS WORK TOP

After removing the top cover, the grids, the caps and the wall baffles:

- 1 Unscrew the screws which secure the work top to the burner body (Fig.51 Pos.1).
- 2 Unscrew the two rear screws (Fig.51 Pos.2).
- 3 Lift up the top.

Fig.51

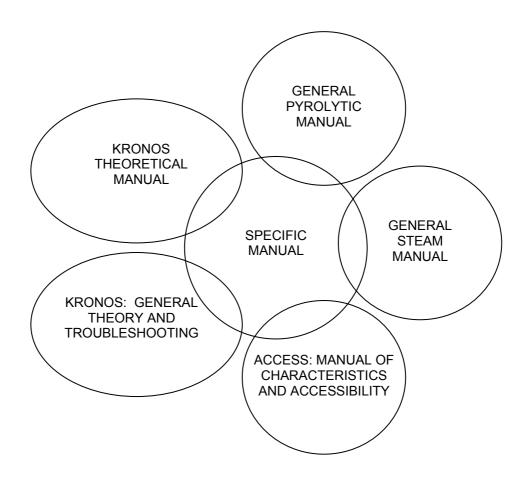
- 1 Screw positions which secure the top to the burners
- 2 Rear screws



5 - ACCESS: ORGANIZATION OF SERVICE MANUALS

In view of the quantity of theoretical, technical and practical information relative to the various combinations for the structure of the ACCESS/KRONOS system, this information has been subdivided into Service Manuals describing the general concepts, and separate Service Manuals containing specific information relative to each group of appliances. Only the specific Service Manuals should be used for a specific appliance.

The various Service Manuals are as shown in the diagram below.



SOI 05.04 RB 31/31 599 36 45-83