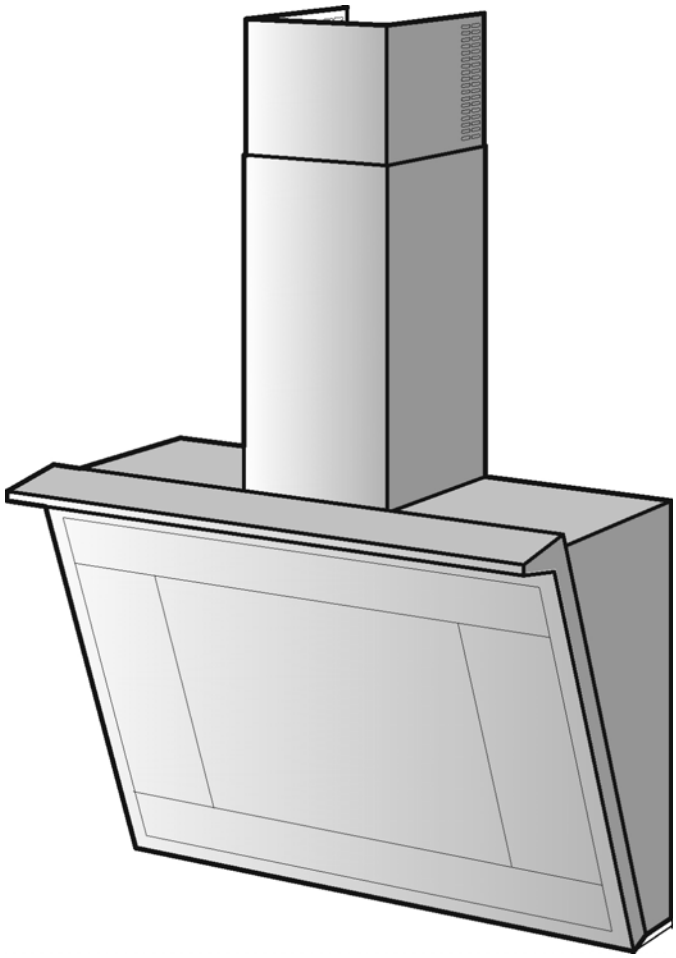

Chimney cooker hood

KD 9875.1

Küppersbusch

THE HEART OF A GOOD KITCHEN

GB

Service Manual: H5-76-01

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Contents

1. Safety

Danger!

Repairs may only be carried out by a qualified electrician!
Improper repairs can be extremely dangerous for the user.

It is essential that you observe the following instructions in order to prevent electric shocks:

- The casing and the frame may be live in the event of faults!
- Touching live components inside the appliance may cause dangerous currents to flow through your body!
- Disconnect the appliance from the mains prior to carrying out any repair work!
- When inspecting live parts, a residual current circuit breaker must always be used!
- The earthed conductor resistance must not exceed the resistance specified in the standard! It is vital for ensuring the safety of persons and the functioning of the appliance.
- On completion of repairs, an inspection must be carried out in accordance with VDE 0701 [Association of German Electrical Engineers] or in accordance with the corresponding regulations for your country!

Attention!

Make sure you observe the following instructions:

- The appliances must be disconnected from the mains prior to all repairs. If inspections must be carried out on live appliances, make sure you use a residual current operated device.

Sharp edges: Use protective gloves.

Components may be electrostatic!
Observe handling precautions!

2. General Information

A clearance of at least 30 cm must be maintained between the pan support area on the hob and the bottom of the cooker hood. If the instructions for installation of the hob specify a larger clearance, this is to be maintained.

The exhaust air ducts may not be connected to combustion exhaust gas chimneys (for example central heaters, heaters, bathroom heaters, etc.).

Official regulations must always be observed the exhaust air is discharged. Furthermore, the exhaust air may only be lead through a hole in the wall if the hole is intended for this purpose.

Attention!

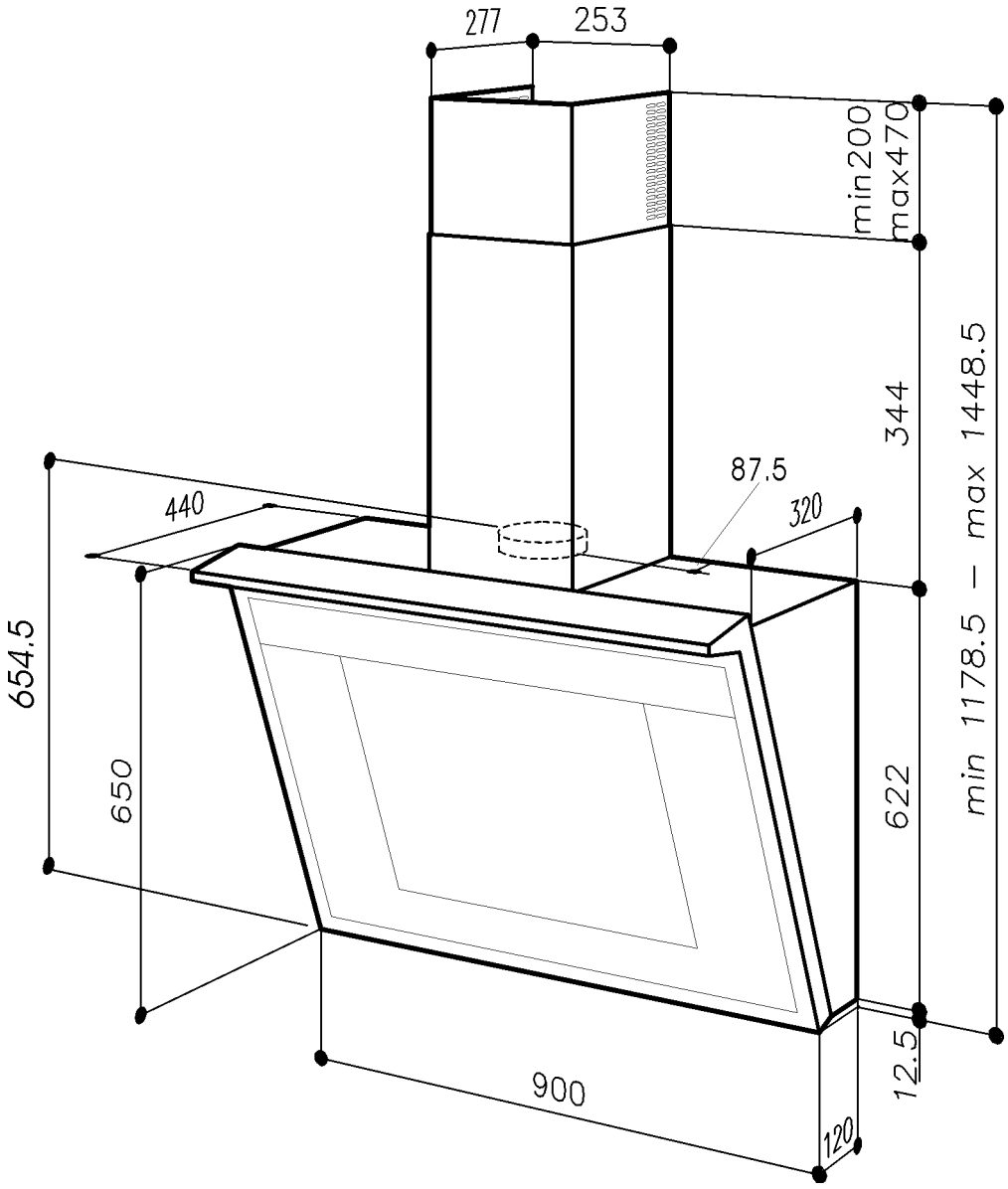
Care must be taken when an extraction cooker hood and a heating system operating on ambient air (e.g. gas, oil or coal heaters, flow heaters or hot water boilers) since extracting the air through the cooker hood will remove the air from the room in which these heaters are installed and which they need for combustion purposes. Operation will only be safe if, in the case of simultaneous operation of a hood and a heater requiring ambient air, negative pressure in the room in which the heater and the hood are installed does not exceed 0.04 mbar, thus ensuring that the exhaust gases of the heaters will not be re-absorbed. The room must be fitted with ventilation connections which ensure a constant inflow of fresh air.

ATTENTION: This appliance must be earthed.

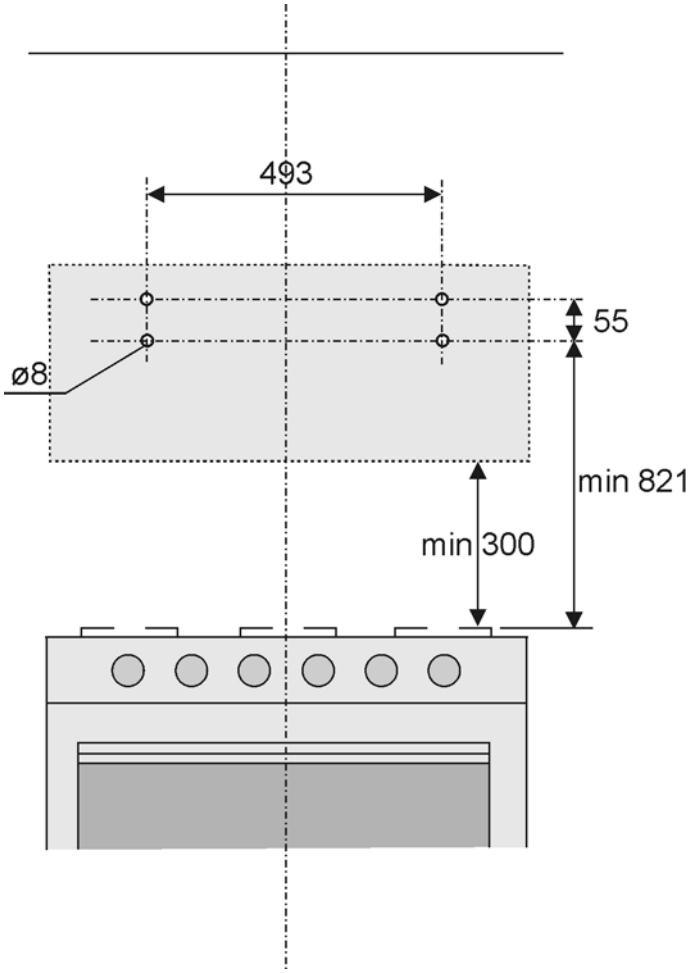
Make sure that the socket of electrical connections is earthed. In the case of electrical connection a check will need to be carried out to ensure that the voltage level of the mains power supply complies with the voltage levels indicated on the nameplate located on the inside of the appliance. If your hood has not been fitted with a permanently connected cable with a plug or another device to enable universal disconnection with a contact opening of at least 3 mm, suitable cut-off devices will need to be provided for permanent connection. When installing the hood make sure that the plug is accessible if your hood is fitted with a mains supply cable with a plug.

The hood must be disconnected from the mains power supply before it is cleaned or before any maintenance work is carried out.

3. Dimensions



4. Mounting holes

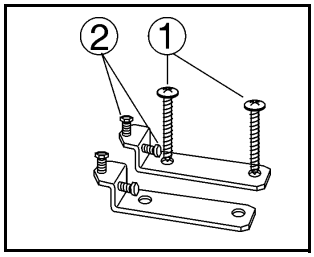


Draw a line on the wall which is vertical to your hob. Mark the first four holes to be made (Ø 8 mm) on the wall in accordance with the dimension shown on the diagram.

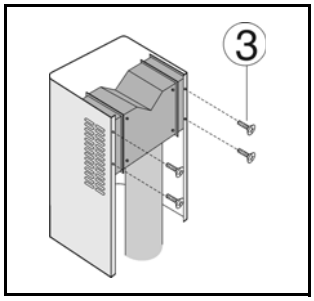
5. Screw specification

The cooker hood comes with the following equipment:

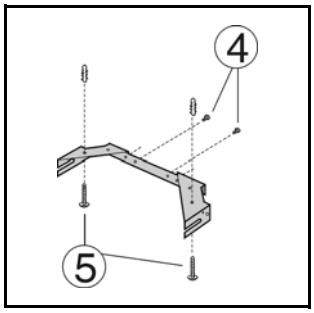
1. Screws for fastening the clamps, dimensions: 4.8 x 38mm, code 02000069.
2. Screws for adjusting the hood, dimensions M4 x 10mm, code 02000115.



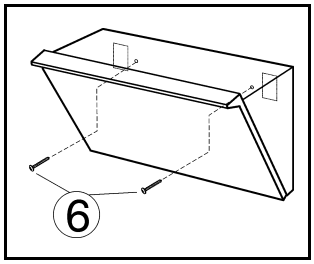
3. Screws for fastening the deflector, dimensions: 3.4 x 15mm, code 02000043.



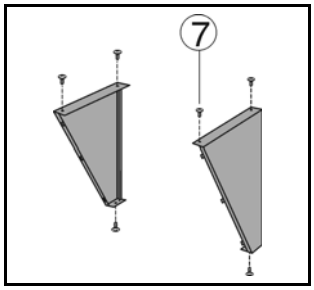
4. Screws for adjusting the frame on the ceiling, dimensions 3.9 x 6mm, code 02000166.
5. Screws for fastening the frame to the ceiling, dimensions 4.8 x 38mm, code 02000069.



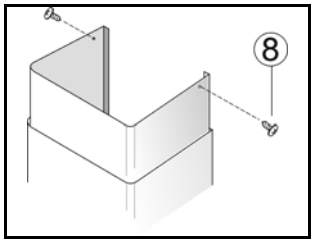
6. Screws for fastening the casing to the wall, dimensions 4.8 x 38mm, code 02000069.



7. Screws for fastening the side head pieces (extra), dimensions 3.9 x 6mm, code 02000166.



8. Screws for fastening the decorative pipe, dimensions 3.9 x 9.5mm, code 02000118.



6. Buttons and functions

The extractor hood is equipped with a fully automatic system for administrating all of the available functions (Advanced Sensor Control). The air in the kitchen stays pleasant and fresh without requiring any manual controls. The sensitive sensors detect any type of steam, vapours, odours and GAS and automatically adjust the hood to the required fan power.

Press button “A” to call up this function (see instructions, Item 1).
The extractor hood has numerous other functions too. These can be selected according to your personal requirements.
The MENU button is used to call up the selected mode and buttons – and + will seek the function to be set (the function will blink on the display); as soon as the required function has been selected it must be activated with the OK button. To exit the menu again, press the MENU button.
To switch the motor of the hood on and off press the – button (or the + button); the required speed is then set.

6.1 Buttons

Button “A” (ASC function)

Press button “A” to activate the sensor function. When the sensor is switched on the hood will automatically switch on as soon as any type of odour, steam, smoke or heat is generated during the cooking process. The same applies for any excessive amounts of GAS in the kitchen.

When the sensor is switched on the display will show the corresponding symbol. Press button A to switch the sensor off. When the sensor is switched on either button – or button + will be pressed. This will access the manual function direct and the symbol will be shown.

Lamp button

Switches the lamp on and off.

MENU button

Accesses the different menus.

OK button

For activating the different inputs.

+ and – buttons

For changing the settings within a menu.

6.2 Functions

Minute counting device with an acoustic signal

The hood is fitted with a minute counting device which gives off an acoustic signal in the zero position. Press the MENU button to make a setting (the symbol will appear on the display) and then press the OK button. 00.00 will blink on the display.

The – and + buttons are used to set the required number of minutes (from 1 to 99). When the buttons are pressed for a longer period the minutes will be shown in rapid succession. Press the OK button to confirm the setting and then press the MENU button to end the process.
When the number of minutes set has expired an acoustic signal will sound and the display will blink with the corresponding indication. To switch off the function press the OK button (if the OK button is not pressed the function will automatically be switched off after 5 minutes).

To switch the minute counting device off at any given moment press the MENU and OK buttons simultaneously (reset).

Timer

The hood is fitted with an automatic stop device which switches the hood off after 5 (or 10) minutes. When the timer is switched on the hood will automatically be switched off after 5 (or 10) minutes. Press the MENU button to switch the timer on and then press the – and + buttons until the corresponding symbol appears on the display. Confirm with the OK button. The – and + buttons can be used to set the timer at either 5 or 10 minutes. Press the MENU button to exit the menu.

Clock

To activate the clock function or to adjust the clock time, press the MENU button and then buttons – and + until the 4 numbers blink on the display. Enter the time of day with buttons – and + and confirm with the OK button.

To exit the menu, press the MENU button. Press the MENU and the “OK” (reset) buttons simultaneously to switch off the clock function.

Sensor sensitivity

The degree of sensitivity of the sensor can be adjusted according to individual requirements. Press the MENU button to adjust the sensitivity and then press the – and + buttons until the corresponding symbol appears on the display. Then press the OK button and select the required degree of sensitivity between 1 and 9. Confirm with “OK”.

To exit the menu, press the MENU button.

Interior temperature display

In order to show the interior temperature on the display, press the MENU button, then press the – button (or the + button) repeatedly until the display shows “in 18°C” or a similar indication. Confirm with the OK button. The interior temperature is measured with a sensor (supplied) which can be installed at any point in the kitchen.

Outside temperature display (optional)

In order to show the outside temperature on the display, press the MENU button, then press the – button (or the + button) repeatedly until the display shows “out 15°C” or a similar indication. Confirm with the OK button. Confirm with the OK button. The outside temperature is measured with a sensor (not included in the scope of delivery), which is installed on the outside of the building and must be protected from water (maximum linear distance: approx. 15m).

Grease filter alarm

After 30 hours of operation the display will show a symbol which indicates that the grease filters need to be cleaned.

When the grease filters have been cleaned the hour metre is re-activated by pressing the MENU button and the OK button simultaneously (reset).

Charcoal filter alarm

After 120 hours of operation the display will show a symbol which indicates that the charcoal filters need to be cleaned.

When the charcoal filters have been cleaned the hour metre is re-activated by pressing the MENU button and the OK button simultaneously (reset).

Explanation of the symbols

VELOCITY (4 velocity levels + rapid speed)

Automatic device sensor

Clock

Minute counting device

Interior temperature

Outside temperature


Grease filter cleaning


Charcoal filter change

Timer

Switching on / switching off


Lighting

Reset (button combination)

Menu selection

Confirmation button


Minus button


Plus button

7. Procedure for repairs

We recommend that you follow this procedure:

1. Visual inspection of the product and assessment of its installation.
2. Determine the problem and replace faulty parts if necessary.
3. Carry out function tests to assess whether the corrective action has been carried out properly.

First steps

- **Disconnect the hood from the power supply.**
- Pull out the power plug.
- Switch off the mains switch.

Remove the extraction panels

- to access the internal components.

Remove the metal filters

- to access the operating elements.

Remove the odour filters

- if the hood has been installed in the re-circulating air mode.

Check

Before you carry out any repair work make sure that the “Check” steps to determine minor errors or faults have been carried out.

Noises or unusual vibrations

- Check to ensure that the installation screws are tightly fastened.
- Check to ensure that the extraction panel of the suction on the edge of the hood is properly closed.

The hood does not switch on

- Check to ensure that the plug is inserted firmly into the socket.
- Make sure that the power supply has not been cut off.
- Check the position of the motor controls.

Weak suction power

- Clean the metal filters or replace the charcoal filters in recirculating air hoods.
- Check to ensure that the air hole is not blocked and that it is the right size.

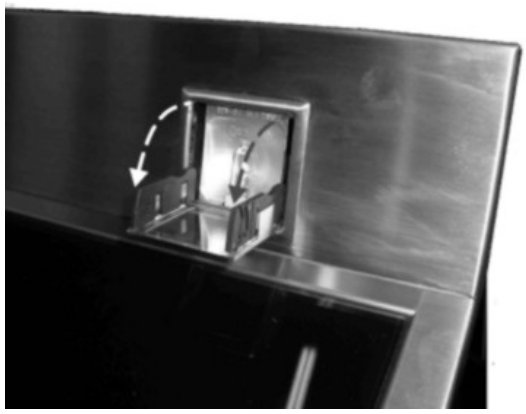
7.1 Changing the halogen lamp

If the lighting does not work the lamps will firstly need to be checked and you will need to make sure that the control switch on the control panel of the hood has not developed a fault.

The hood must be disconnected from the mains power supply before it is cleaned or before any maintenance work is carried out.

Proceed as follows to replace a lamp or lamp mounting:

1. Open the access flap on the casing of the halogen lamps.
   Press PUSH and let go.
2. Fold the flap down.
3. Replace with a new lamp of the same type.



ATTENTION: Never touch a new lamp with your bare hands.

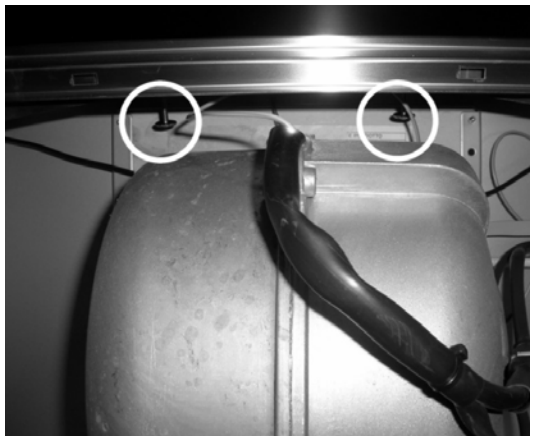
4. Checking the functioning.

7.2 Removing the touch controls

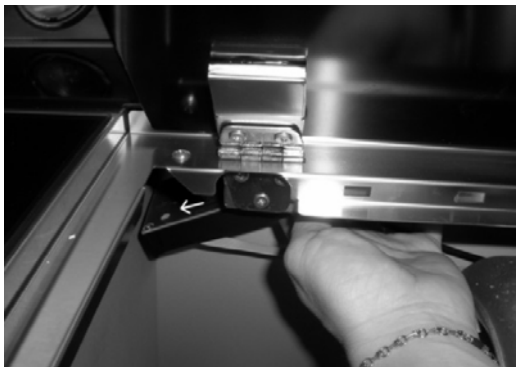
The hood must be disconnected from the mains power supply before it is cleaned or before any maintenance work is carried out.

Should you determine that the control panel circuit board is not functioning, replace it as follows:

1. Loosen the two screws almost completely (screw them out anti-clockwise).
2. Remove the right-hand self-supporting metal grease filter.



3. Move the block of the touch controls to the left.
4. Disconnect the flat cable and remove the complete block and all of the control elements.

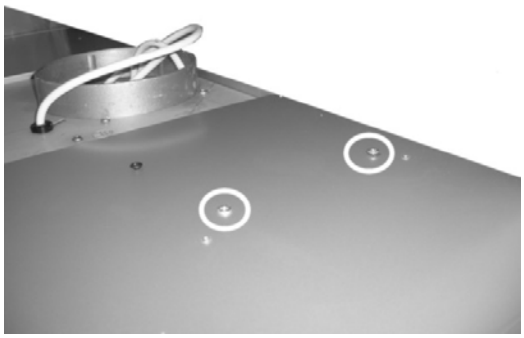


7.3 Removing the electrical components

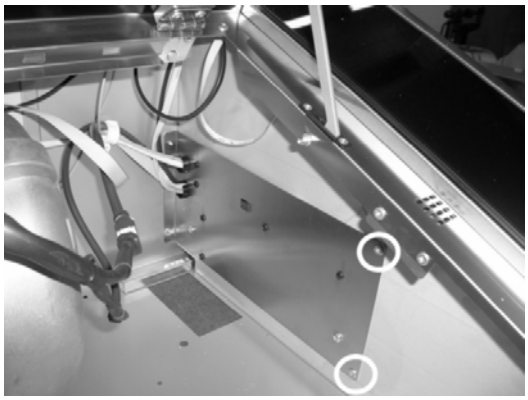
The hood must be disconnected from the mains power supply before it is cleaned or before any maintenance work is carried out.

7.3.1 Removing the board

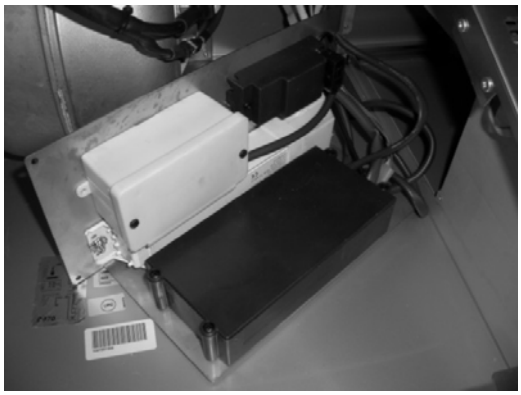
1. Screw out the two top screws from the exterior of the hood.



2. Screw out the two bottom screws on the inside of the hood.



3. Remove the board (Illustration 6).

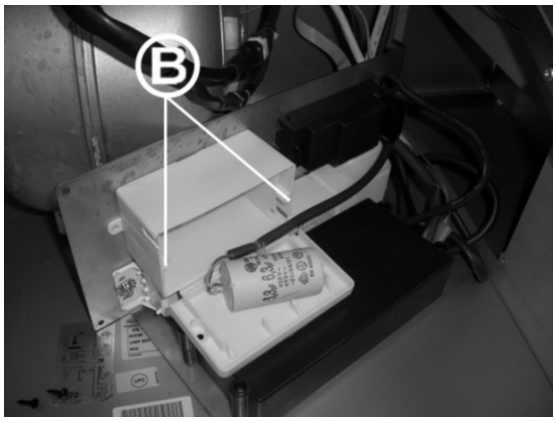


7.3.2 Accessing the switching cabinet

1. Remove the board as explained above.
2. Remove the four screws (A) of the switch box.

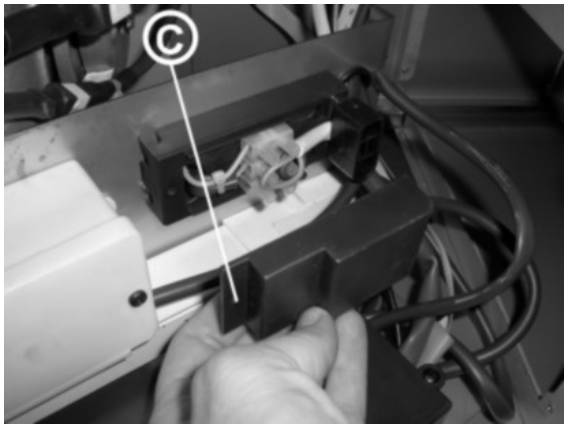
7.3.3 Accessing the capacitor

1. Remove the board as explained above.
2. Screw off the two screws (B) on the capacitor box.



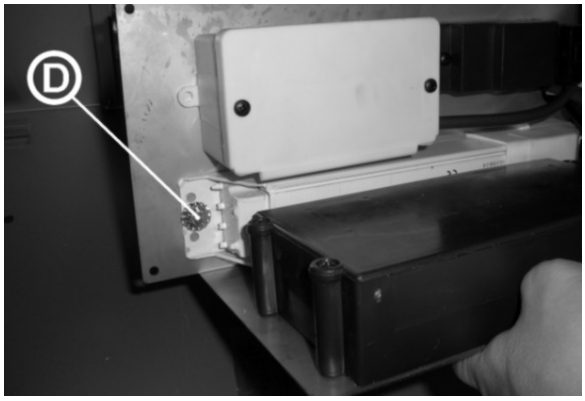
7.3.4 Accessing the connection box

1. Remove the board as explained above.
2. Remove the screw (C) from the connection box.

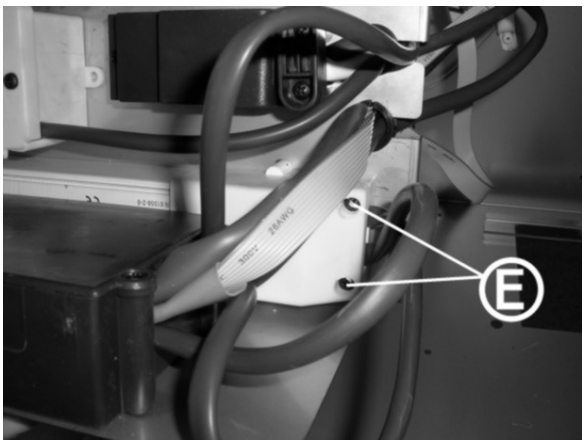


7.3.5 Removing the transformer

1. Remove the board as explained above.
2. Screw off the screw (D) on the transformer.



3. Remove the two screws (E) and take off the transformer cap.

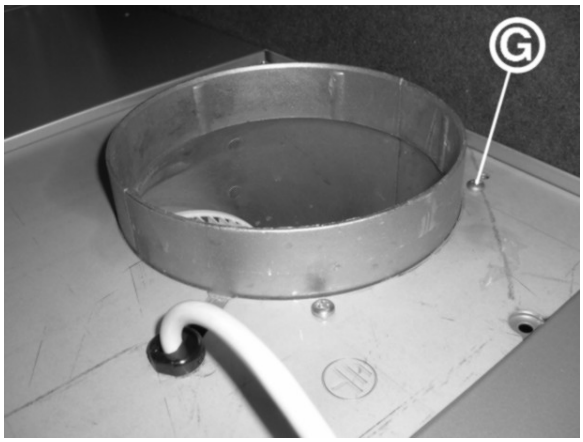


4. Screw off screw (F) from the opposite side of the board.
5. Disconnect the connections.
6. Remove the transformer.

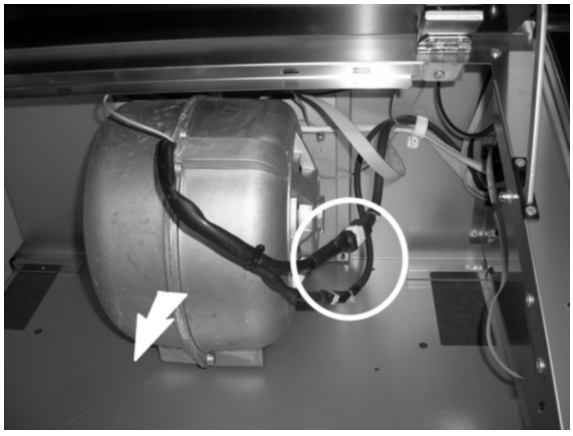
7.4 Removing the motor block

The hood must be disconnected from the mains power supply before it is cleaned or before any maintenance work is carried out.

1. Remove the four screws (G) located near the air exit opening from the outside of the hood.



2. Unplug the connections and remove the conveyor.



8. Technical data

Voltage/frequency	220-240 V / 50 Hz
Appliance dimensions (WxDxH)	898 x 440 x 1178.5(min)/1448.5(max)
Electrical connection	250W
Halogen lighting	3 x 20W
Air rate Level 1 Level 2 Level 3 Level 4	 170 m³/h 295m³/h 455m³/h 620m³/h
Pressure Level 1 Level 2 Level 3 Level 4	 70PA175 PA335 PA 400 PA
Ohms Level 1 (red/blue) Level 2 (red/white) Level 3 (red/orange) Level 4 (red/pink)	 180 148 115.5 83.5
DB Level 1 Level 2 Level 3 Level 4	26 dB 28 db 41 db 50 db
Exhaust air connection	150mm

9. Faults and the cause

Attention!! Repairs may only be carried out by qualified electricians or specialists!

Problem	Probable cause	Solution
The cooker hood does not work.	The power cable has not been connected to a live socket.	• Check to ensure that the cable has been properly inserted. Check to ensure that the socket is live. • Check the plug on the motor.
The light does not work.	The lamp has burned out.	Replace with the same model and reference.
The hood does not have enough power.		Check whether • The motor velocity selected is sufficient for the quantity of smoke and steam which occurs. • The kitchen has been sufficiently ventilated in order to enable the air extraction opening to be opened. • The charcoal filter has been used up (air circulation hood). • The sensor is sufficiently sensitive (for hoods with automatic operation).
The hood has gone off itself during standard operation.		Check whether • There has been a power cut • The universal switch has tripped.

10. Circuit diagram