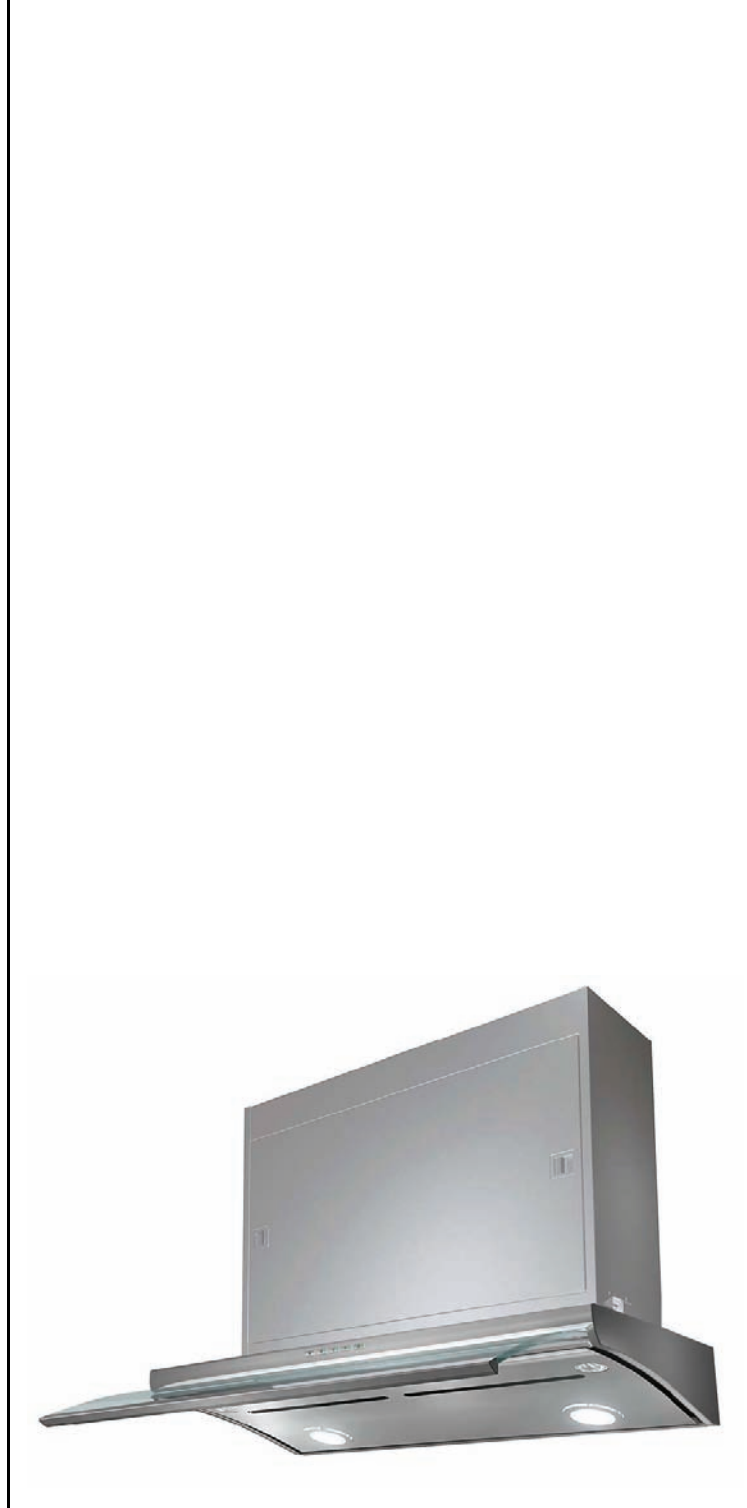




Designer slimline hood
EDIP 9650.0/6650.0

Service Manual: H5-85-01

Responsible: U. Laarmann
E-mail: uwe.laarmann@kueppersbusch.de
Phone: (0209) 401-732
Fax: (0209) 401-743
Date: 1.06.2006

KÜPPERSBUSCH HAUSGERÄTE AG

Kundendienst
Postfach 100132
45801 Gelsenkirchen

Contents

1. Safety	4
2. General Information	5
3. Installation	6
3.1 General installation instructions	6
3.2 Installation	7
4. Functional description	9
4.1 Controls	9
4.2 Functioning of the telescopic glass steam-extraction canopy	10
5. Accessing the components	11
5.1 The individual units	11
5.2 Test prior to carrying out repairs	12
5.3 Procedure for repairs	12
5.4 Changing the halogen lamps	13
5.5 Replacing the transformer	13
5.6 Replacing the touch controls	14
5.7 Replacing the electronics unit	15
5.8 Replacing the microswitch	16
5.9 Replacing the motor	17
5.10 Aligning the glass canopy	17
6. Technical data	18
6.1 EDIP 6650.0	18
6.2 EDIP 9650.0	18
7. Faults and the cause	19
8. Circuit diagram	20

1. Safety



Danger!

***Repairs may only be carried out by a qualified electrician!
Inexpert repairs may lead to risks and damages 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 the corresponding regulations for your country!



Attention!

It is essential that 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 circuit breaker.



Sharp edges! Use protective gloves!



**Components may be electrostatic!
Observe handling regulations!**

2. General Information

Changing the specification or attempts to modify the product are dangerous. For your own safety spare parts should be installed by an authorised, qualified specialist. The manufacturer accepts no liability for damage which occurs as a result of improper installation or failure to observe currently-valid regulations for this type of application. Please read through the installation instructions carefully prior to commencing with work.

The cooker hood requires a sufficient flow of inlet air in order to function optimally and ensure maximum ventilation. If the supply of inlet air is insufficient the speed of the ventilation fan will rise, the flow rate will drop and more noise will occur.

The air flow of the cooker hood will drop when the filter mats have become saturated and vapours will not be sufficiently removed.

The cooker hood has been designed to extract vapours generated during the cooking procedure. The hood is supplied for extraction air operation. If it is not possible to extract the air to the outside, special accessories are available to convert the hood to recirculating air operation with charcoal filters.

With the help of cooker hoods steam and odours that arise during the cooking procedure are extracted out of the kitchen through a special discharge device. Fresh air is drawn into the kitchen through an air opening to the outside to replace the extracted air.

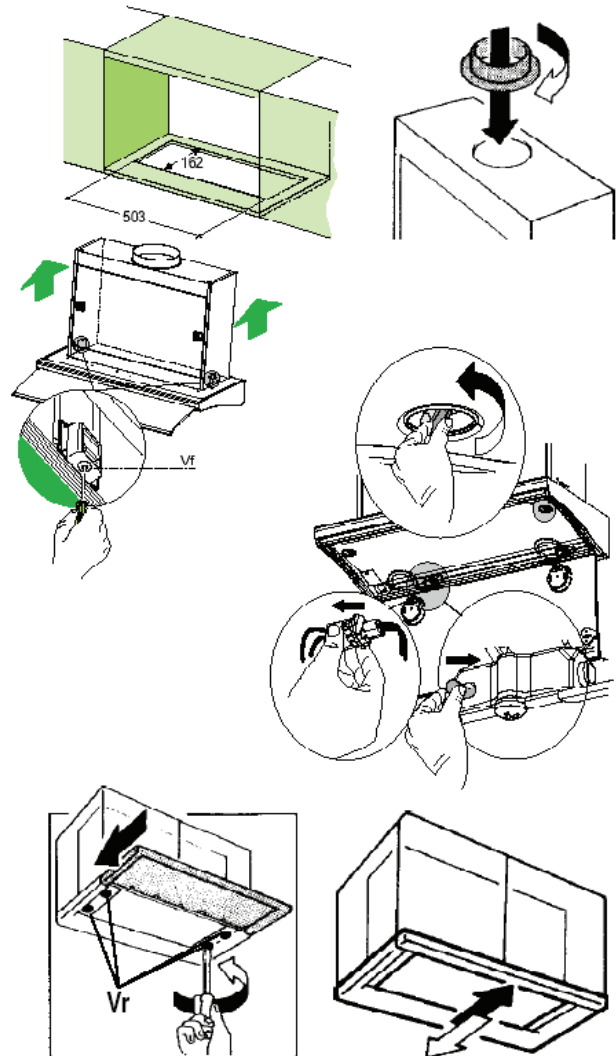
This effect is generated in the suction module in the hood which extracts the air under the hood and leads it to the outside through the air hole. The hood is also fitted with a control panel for the extraction modes and a functional lighting system for the hob. If the hood is installed professionally, regularly maintained and the safety regulations are closely observed, it will provide long years of reliable service.



3.2 Installation

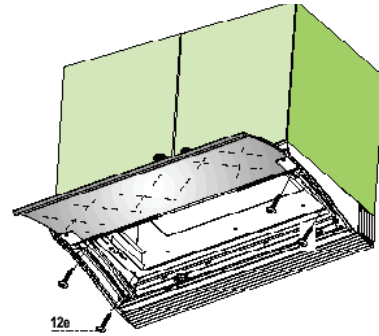
3.2.1 Drilling and mounting the supporting plate

1. The hood can be fastened direct underneath the wall units with snap-in holders.
2. Make an opening underneath the wall unit as shown on the drawing.
3. Insert the flange into the top air outlet opening.
4. Fasten the cover profile onto the back of the hood with the screws supplied (2.9 x 12.7).
5. Open the Comfort Panel with the corresponding knobs. Then open the glass steam-extraction canopy.
6. Remove the light plug.
7. Move the lever of the fastening pin and take the panel out of the body of the hood; at the same time remove the other end of the panel from the fastening pin.
8. Remove the grease filters one after the other by loosening the respective fastening devices.
9. Close the glass steam-extraction canopy.
10. Push in the hood until the fasteners on the side snap in.
11. Open the glass steam-extraction canopy.
12. Permanently fasten the hood from the bottom using the screws.
13. If necessary align the bottom part as described below:
 - Loosen the four fastening screws **Vr** and close the glass steam-extraction canopy again.
 - Move the entire bottom part until it is in line with the wall unit.
 - Hold the body of the hood, open the glass steam-extraction canopy and tighten the fastening screws.



- Now the hood can finally be fastened to the wall unit with the four screws **12a** (3.5 x 16) supplied.

14. Install the grease filters again.
15. Re-connect the light plug.
16. Close the glass steam-extraction canopy and hook the Comfort Panel in again.

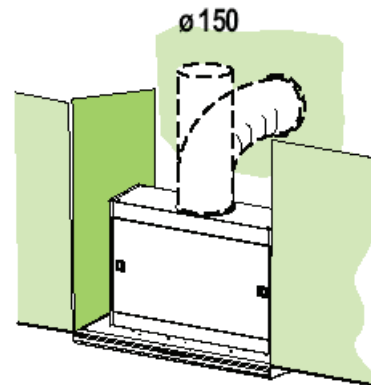


3.2.2 Connections

Connecting the extraction version

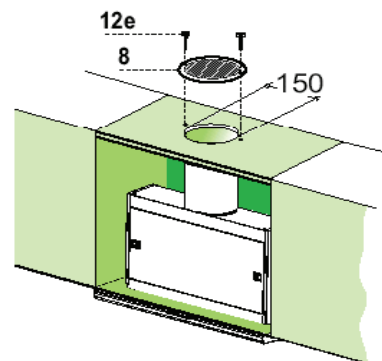
Hoods operating in the extraction mode can be connected by a fitter with a pipe or a hose (Ø 150 mm) to the outside pipe system.

1. Fasten the pipe with suitable pipe clamps. The material required here is not supplied.
2. Remove any charcoal filters which may be in place.



Connection of the recirculating air model

1. Drill a Ø 150mm hole into the ceiling plate installed above the extraction hood.
2. Connect the cut-out of the hood with a Ø150mm pipe or hose (allow the fitter to choose which is preferable) to the ceiling plate.
3. Fasten the pipe with suitable pipe clamps. The material required here is not supplied.
4. Use the two **12e** screws supplied (2.9 x 9.5) to fasten the air conduction grid 8 to the exit for the air which is to be drawn in.
5. Make sure that the charcoal odour filter is in place.



Electric connection

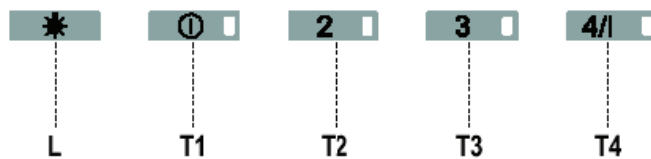
When connecting the hood to the power supply a two-pole switch with an opening of at least 3 mm must be inserted in series.

4. Functional description

The cooker hood has the following features:

- Extraction air and recirculating air modes possible (with extras)
- Edging suction technology with sound insulation
- Electronic push-buttons at the front with 4 power levels
- High-power setting
- Grease filter saturation display

4.1 Controls



Key	Designation	LED	Function
L	O/I Lighting		Switching the lighting on and off
T1	O/I Motor	on	First speed setting. Switches the hood off when the button is pressed for approx. 1 second.
T2	Speed setting	on	Second speed setting
T3	Speed setting	on	Third speed setting
T4	Speed setting	lights up all the time flashing light	Top speed setting High-power setting Suitable when a great deal of cooking steam develops. Press the button for approx. 2 sec. to activate. After 10 minutes the fan will automatically switch back to the previous setting. Pressing another button once will interrupt the power setting function.

4.2 Functioning of the telescopic glass steam-extraction canopy

The motor cannot be operated when the glass steam-extraction canopy is closed. It is, on the other hand, possible to switch the lamp on and off. If the glass steam-extraction canopy is pulled out, the control panel is released and all of the functions are activated; the functions which had previously been set will have been re-activated.

Example

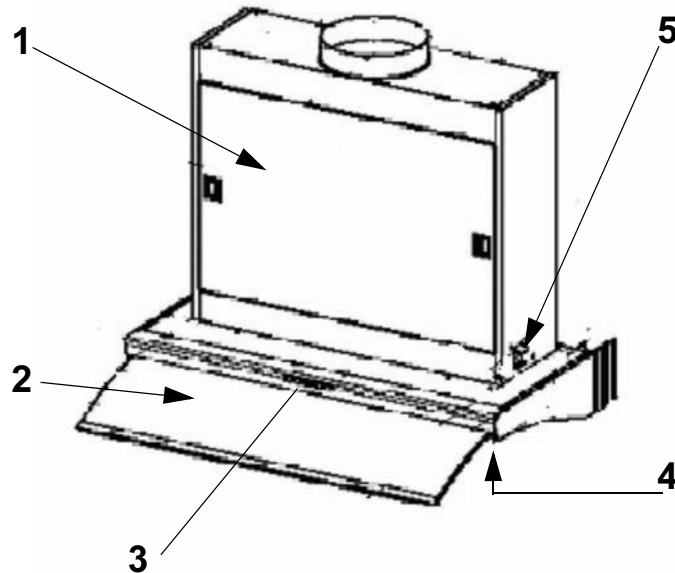
Glass steam-extraction canopy pulled out: Light ON
 Motor ON at T2

The functions are all de-activated when the glass steam-extraction canopy is closed. If the glass steam-extraction canopy is opened again the previously-valid settings will be restored, i.e. light ON and motor ON for the T2 power setting.

If the intensive power setting was activated when the steam-extraction canopy was closed, the intensive power setting will not be switched on when the glass steam-extraction canopy is opened; the previously-selected power setting will be activated.

5. Accessing the components

5.1 The individual units



1. Motor compartment

Comprises the function elements of the hood: motors, main board and ring transformer for the lamps.

2. Glass telescopic section

Extending the glass releases the microswitch so that the appliance can be switched on. Besides serving a design function it also guides steam to the catchment area.

3. Control panel unit

For switching the lighting and the motor on and off and for regulating the extraction rate.

4. Lighting/extraction zone

Comprises two halogen lamps for lighting up the hob area and an extraction panel for extraction around the edge.

5. Installation hooks

For quick installation of the appliance in a wall unit.

5.2 Test prior to carrying out repairs

Before carrying out any repair work, make sure that you carry out the steps contained in the “test” to determine minor errors or faults.

Noises or unusual vibrations

- Check to ensure that the installation screws are tightly fastened.
- Check to ensure that the extraction panel of the edge suction device 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.

5.3 Procedure for repairs

We recommend that you follow this procedure:

1. Inspection of the product and assessment of its installation.
2. Determine the problem and replace faulty parts if necessary.
3. Carry out a function test to assess that the corrective action was carried out properly.

First steps

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

Remove the front cover

- to access the internal components.

Remove the odour filters

- if the hood has been installed in the recirculating air mode.

5.4 Changing the halogen lamps

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.

Proceed as follows to replace a lamp or lamp mounting:



Do not touch the new halogen lamps with your fingers; always use a piece of paper or a soft cloth.

1. Use a small screwdriver to remove the groove nut which holds the outer pane of glass and then remove the glass pane.
2. Remove the defect lamp and replace it with a new lamp with the same properties (simply press the new lamp in).
3. Assembly is carried out in reverse order.
4. Check the functions.



5.5 Replacing the transformer

If the problem has not yet been rectified, you will need to replace the transformer as follows:

1. Move the pins around the edge in order to remove the cover of the motor unit.
2. Remove the wing screw which fastens the transformer supports to the casing.



3. Remove the support.
4. Disconnect the transformer connections and remove them; replace with a new transformer with the same properties.
5. Re-assembling is carried out in reverse order.
6. Check the functions.



5.6 Replacing the touch controls

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

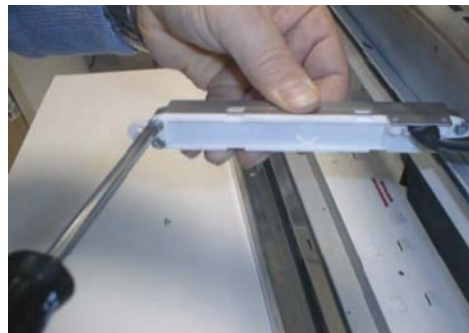
1. Press the two handles on the side to open up the extraction panel for extraction around the edge.
2. Loosen the four fastening screws on the rails and remove the glass telescopic section.



3. Remove the two screws that fasten the control panel unit to the casing and take out the control panel.



4. Loosen the screws to release the control panel unit. Open up the control panel, remove the flat wire and take out the circuit board.
5. Replace the circuit board with one which has the same properties.
6. Re-assembling is carried out in reverse order.
7. Check the functions.



5.7 Replacing the electronics unit

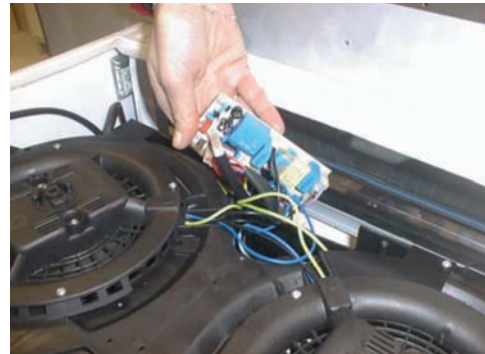
The circuit board will need to be replaced if the hood switches on without the buttons having been pushed (light or motor) or should the control panel not operate the controls.

Proceed as follows to replace the circuit board:

1. Remove the cover of the motor compartment.
2. Loosen the three screws on the cover of the electrical unit and remove the unit.



3. Remove the holders of the terminal strip and take out the circuit board.
4. Replace the circuit board with one of the same properties, observing the appliance circuit diagram.
5. Re-assembling is carried out in reverse order.
6. Check the functions.



5.8 Replacing the microswitch

Proceed as follows to replace the microswitch:

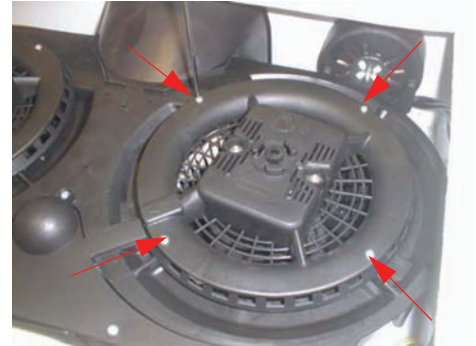
1. Press the two handles on the side to open up the extraction panel for extraction around the edge.
2. Remove the glass pane along the rails.
3. Loosen the screw which fastens the microswitch to the right-hand rail and remove the microswitch.
4. Replace the microswitch with one which has the same properties.
5. Re-install and test the functioning.



5.9 Replacing the motor

The hood is fitted with two motors (one on the right-hand side and one on the left-hand side). Should it become necessary to replace a motor, proceed as follows for the right-hand and for the left-hand side:

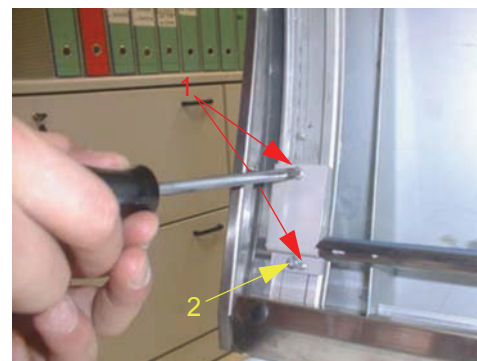
1. Remove the cover of the motor compartment.
2. Loosen the four screws with which the main holder is fastened to the casing and remove the holder.
3. Loosen the hexagon nut which fastens the wheel and the motor shaft and remove the wheel.
4. Remove the four cables on the motor and replace the motor with one which has the same properties.
5. Re-assembling is carried out in reverse order.
6. Check the functions.



5.10 Aligning the glass canopy

The glass canopy can be aligned if you receive complaints that the canopy (stainless steel handle) is out of line.

1. To do so, first slightly loosen the crosshead screws (1) on the two glass supports.
2. Use an Allen key to turn the screw (2) to align the glass canopy.



After adjusting the glass canopy it is essential to tighten the crosshead screws again, making sure that they are firmly fastened!

6. Technical data

6.1 EDIP 6650.0

Voltage / frequency	230 V / 50Hz
Appliance dimensions (W x D x H)	598 x 465 x 280-435mm
Electrical connection	420W
Halogen lighting	2 x 20W
Air flow rate (free-blowing)	
MIN setting	250m³/h
MAX setting	530m³/h
INTENSIVE	630m³/h
Noise level	
MIN setting	46 dB (A)
MAX setting	61 dB (A)
INTENSIVE	65 dB (A)
Exhaust air connection	150mm
Pressure	380 PA

6.2 EDIP 9650.0

Voltage / frequency	230 V / 50Hz
Appliance dimensions (W x D x H)	898 x 465 x 280-435mm
Electrical connection	420W
Halogen lighting	2 x 20W
Air flow rate (free-blowing)	
MIN setting	250m³/h
MAX setting	530m³/h
INTENSIVE	630m³/h
Noise level	
MIN setting	46 dB (A)
MAX setting	61 dB (A)
INTENSIVE	65 dB (A)
Exhaust air connection	150mm
Pressure	380 PA

7. Faults and the cause



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 cooker hood does not work properly. No light when the L button is pressed. Light does not go off when the L button is pressed. The motor does not function when the T1 button is pressed. Fan speed cannot be adjusted when the buttons for the required speed are pressed. Intensive setting does not activate when button 4 is pressed.	The lights have burnt out. The switch unit is blocked. The flat multiwire is damaged. The multi-wire connections are defect. The control circuit board does not work. The control circuit board of the switch unit does not work. The control circuit board of the switch unit does not work.	Replace with the same mode and reference. Replace the switch unit casing. Replace the flat multi-wire cables. Replace the flat multi-wire cables. Replace the circuit board. Replace the circuit board of the switch unit. Replace the circuit board of the switch unit.

8. Circuit diagram

