



IFS Ltd t/a Intelligent Hand Dryers UK

www.intelligenthanddryers.com

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Saniflow E05A hand dryer

Safety regulations

All installation, maintenance and repair tasks must be carried out by qualified technicians.

Mediclinics remembers the importance of:

1. Becoming familiar with the equipment and carefully reading the user manual prior to operating.
2. Disconnecting power prior to beginning any repair or maintenance action.
3. Exercise care in accordance with the procedures included herein.

General maintenance

Preventive Maintenance - Cleaning

Inspect the units **annually** or **quarterly**, depending on the dryer's operating cycles.

Clean the active parts of the unit, such as: the motor, the heating element, the fan and the electronic circuit board with a soft brush.

Maintain the air inlet and outlet free of dust and other obstructions; use a soft flat ended brush.

Cleaning of chromed and plated covers.

Removal of the casing

Using a Saniflow security screwdriver, release the two screws in the lower part of the casing. The 2 screws have to be rotated clock wise to release the casing from the base plate.



Carefully remove the casing.



Motor

Characteristics

- Type: Universal brush motor
- Power: 250 W
- Speed of rotation: 5,500 rpm
- Class F
- Incorporates a safety thermal limiter

Maintenance of the motor

As preventive maintenance, we recommend using a soft brush to remove dust and dirt on an annual or quarterly basis, depending on the dryer's operating cycles.

Replacement of the brushes

Carefully remove the casing.

Use a screwdriver to apply pressure on the clip that covers the brushes, and move the clip to one side to free the brush.



Remove the brush from its location and replace it. Carry out the same procedure for the second motor brush.

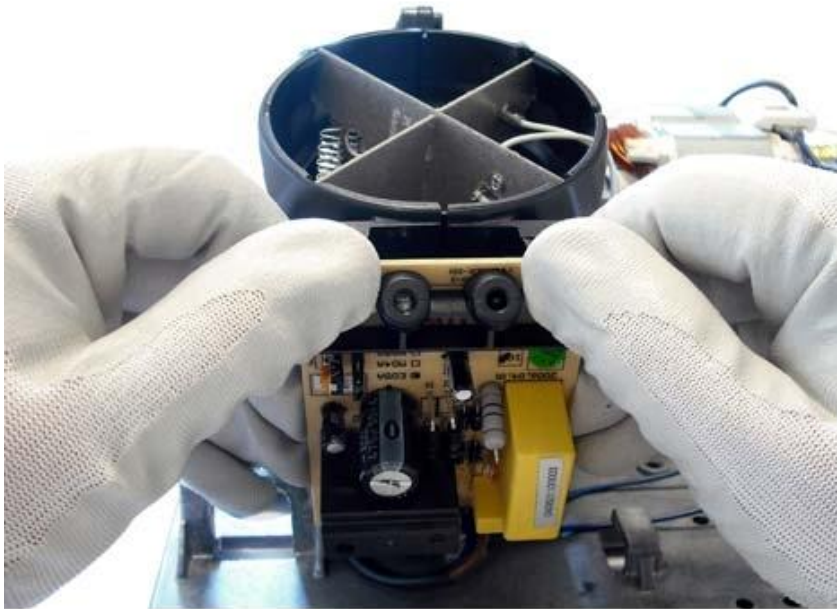


Replacement of the motor

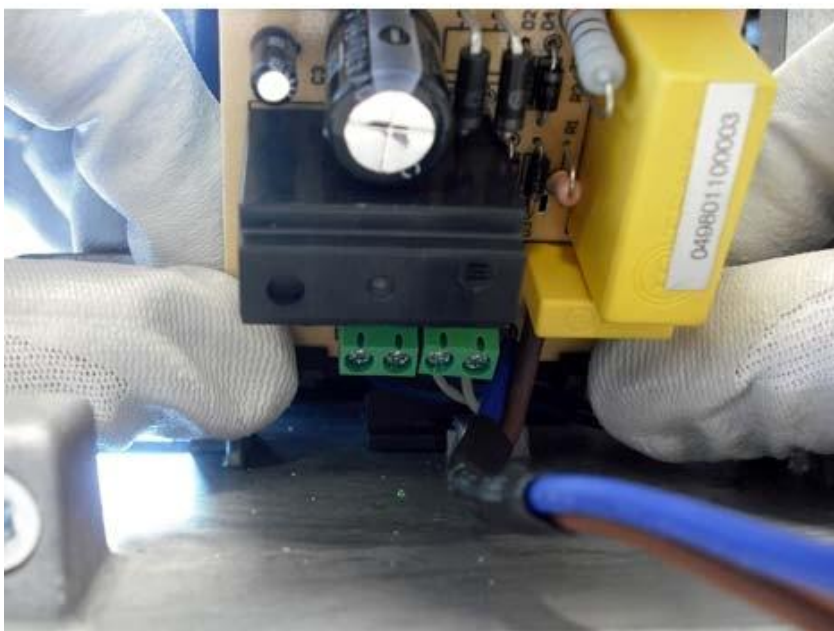
Unscrew the terminal block to release the power supply cables from the circuit board.



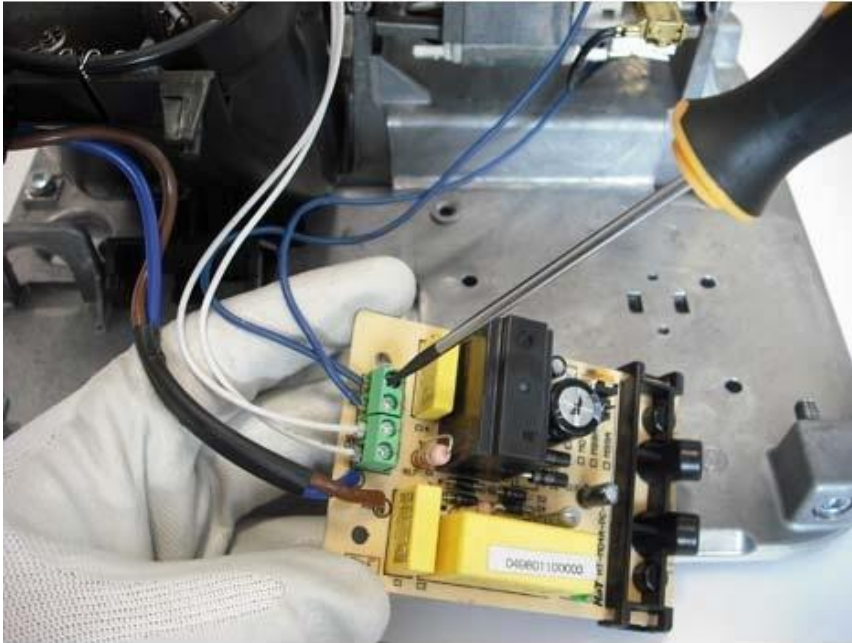
Carefully remove the clips that secure the electronic circuit board at the top.



Carefully remove the clips that secure the electronic circuit board at the bottom.



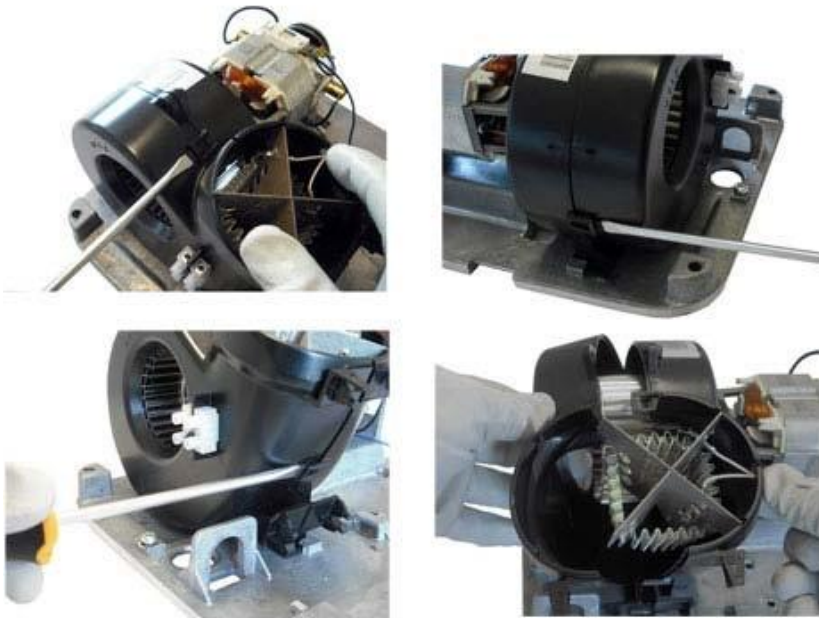
Unscrew the motor cables from the electronic circuit board.



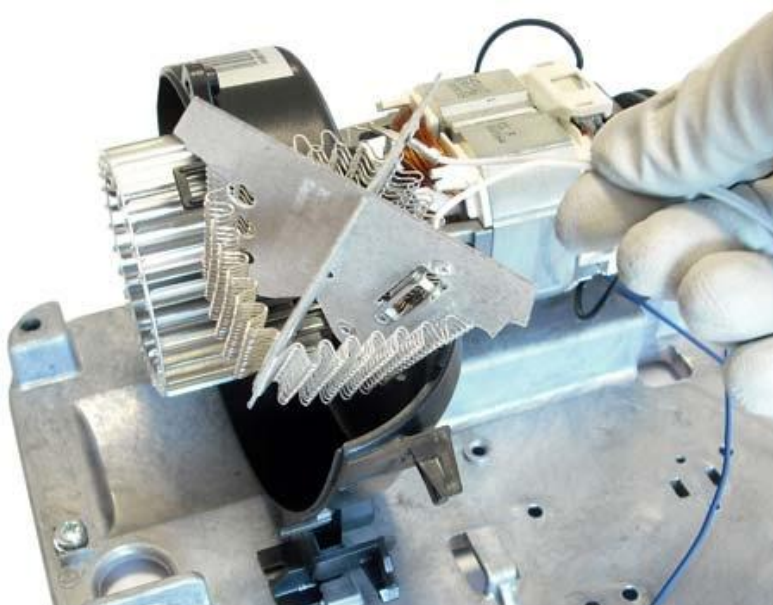
Unscrew the screws that secure the volutes together.



Remove the left volute. (If the volute is difficult to remove, use a flathead screwdriver to help, taking care not to damage the plastic parts.)



Remove the heating element for replacement.



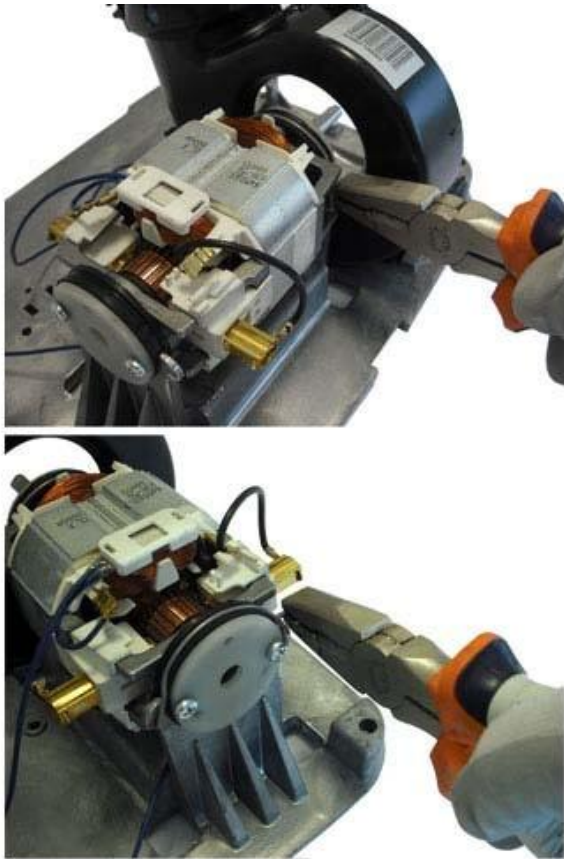
Loosen the retainer screw that fixes the fan to the drive shaft.



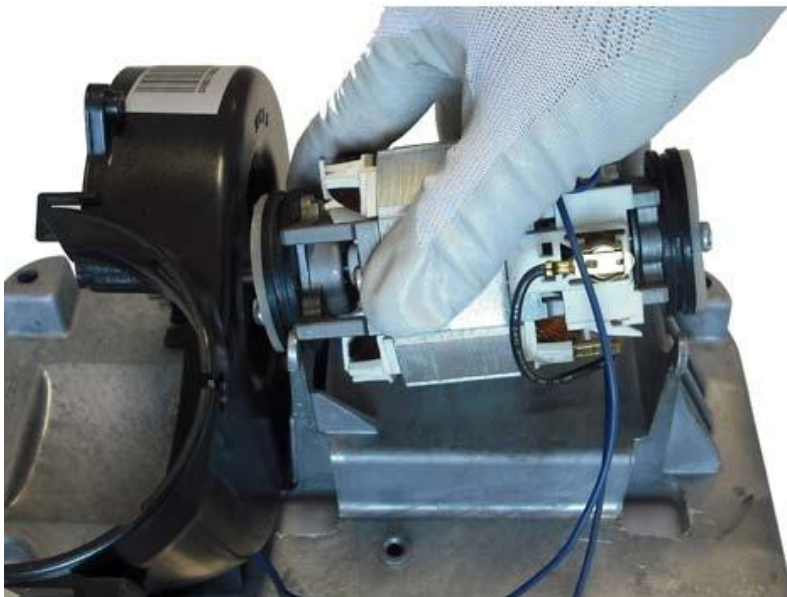
Remove the fan from the drive shaft.



Use pliers to release the springs securing the motor to the base.



Remove the motor from its housing in the base and replace it.



Heating element

Characteristics

- Type: Coiled wire heating element
- Material: NiCr winding. 40;
- Body: Mica
- Power: 2.000 W.
- Includes thermal limiter.

Maintenance

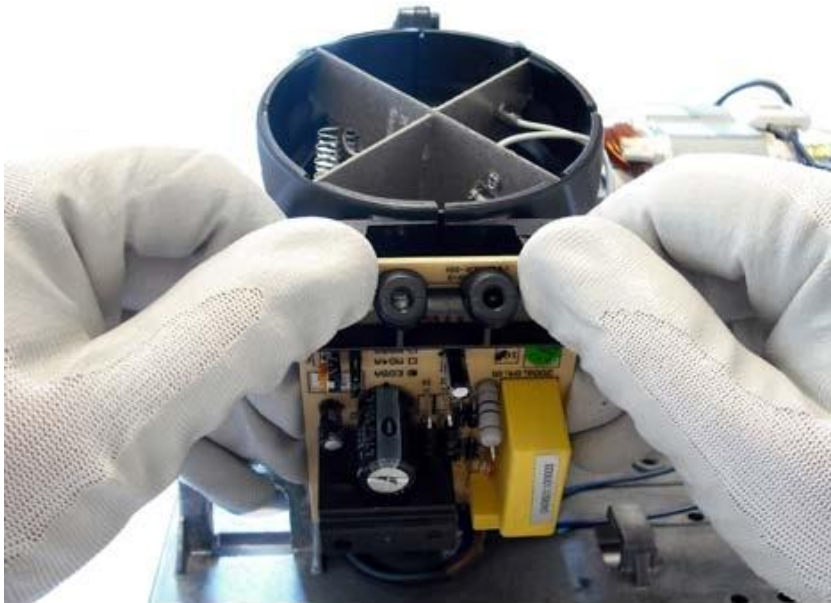
As preventive maintenance, we recommend using a soft brush to remove dust and dirt on an annual or quarterly basis, depending on the dryer's operating cycles.

Replacement of the heating elements

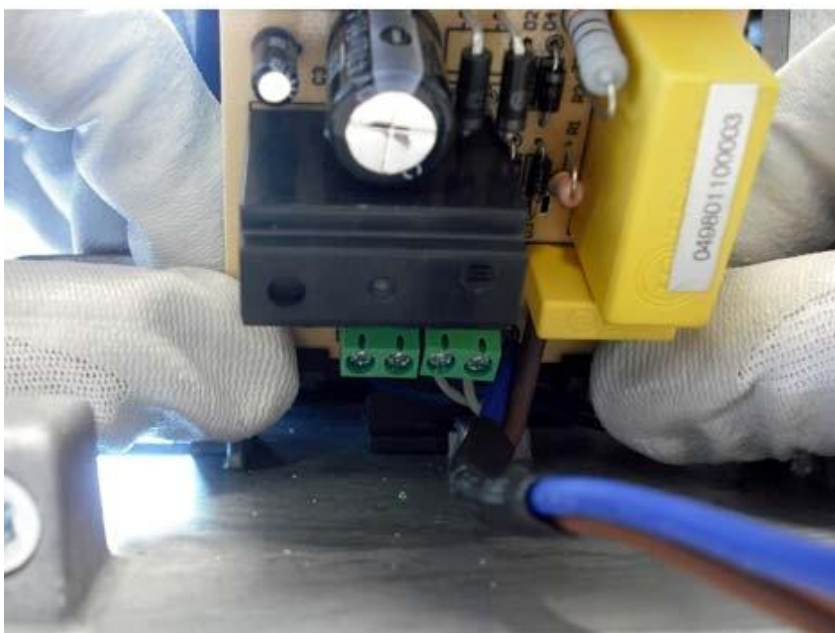
Unscrew the terminal block to release the power supply cables from the circuit board.



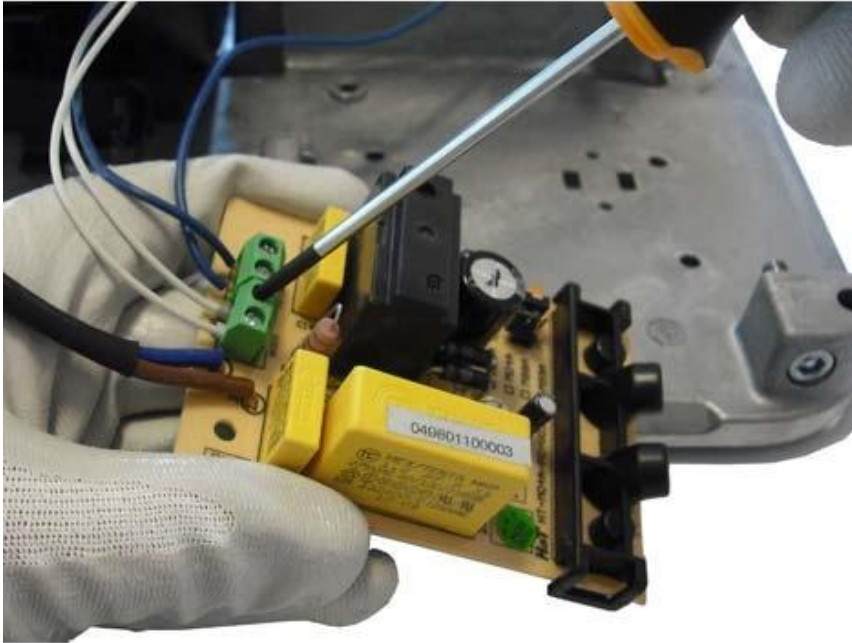
Carefully remove the clips that secure the electronic circuit board at the top.



Carefully remove the clips that secure the electronic circuit board at the bottom.



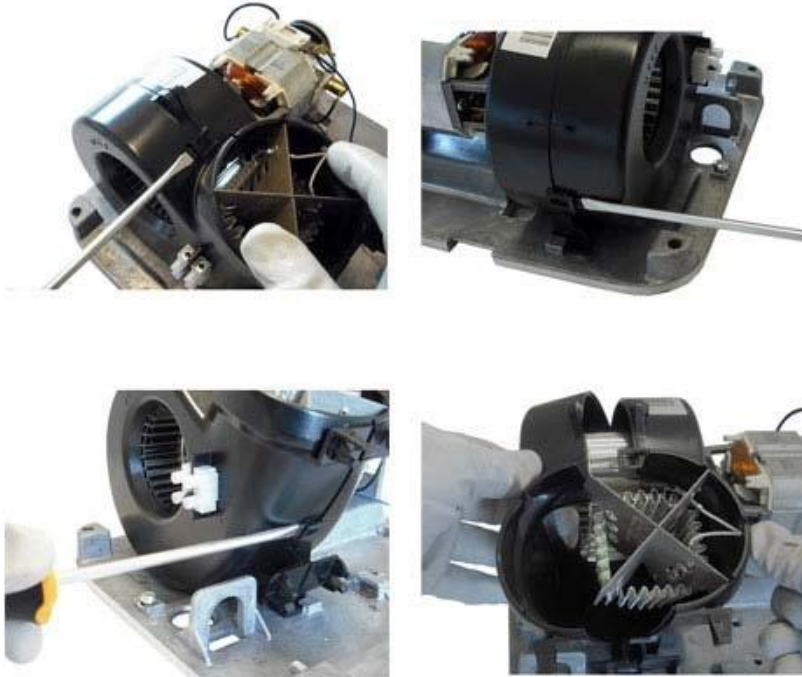
Unscrew the heating element cables from the electronic circuit board.



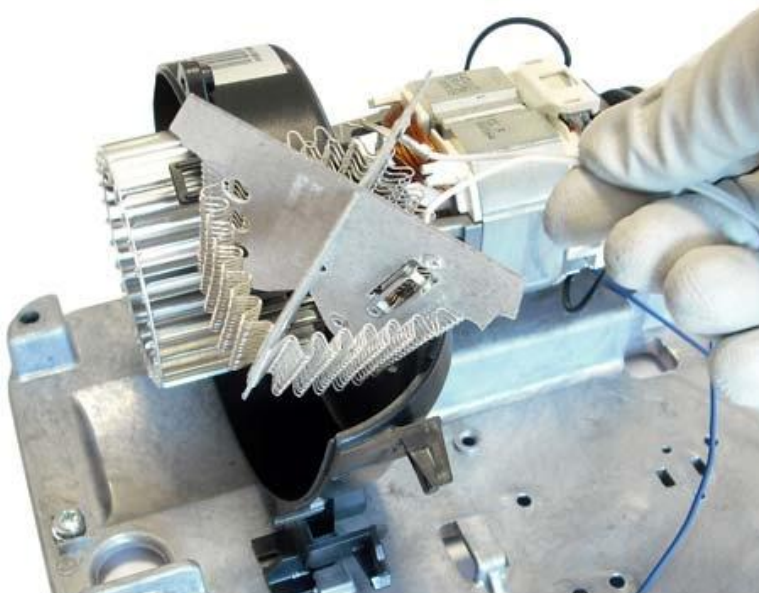
Unscrew the screws that secure the volutes together.



Remove the left volute. (If the volute is difficult to remove, use a flathead screwdriver to help, taking care not to damage the plastic parts.)



Remove the heating element for replacement.



Electronic circuit board

Characteristics

Electronic sensor, with infrared beam.
Detection distance adjustable by potentiometer (5-25 cm).

Maintenance

As preventive maintenance, we recommend using a soft brush to remove dust and dirt on an annual or quarterly basis, depending on the dryer's operating cycles.

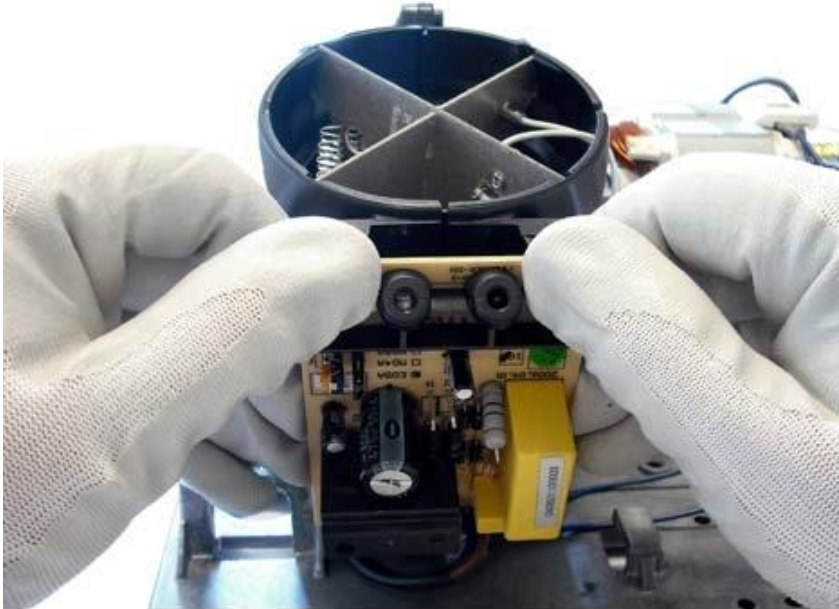
Additionally, you should regularly clean the LEDs with a cloth slightly dampened with alcohol.

Replacement of the electronic circuit board

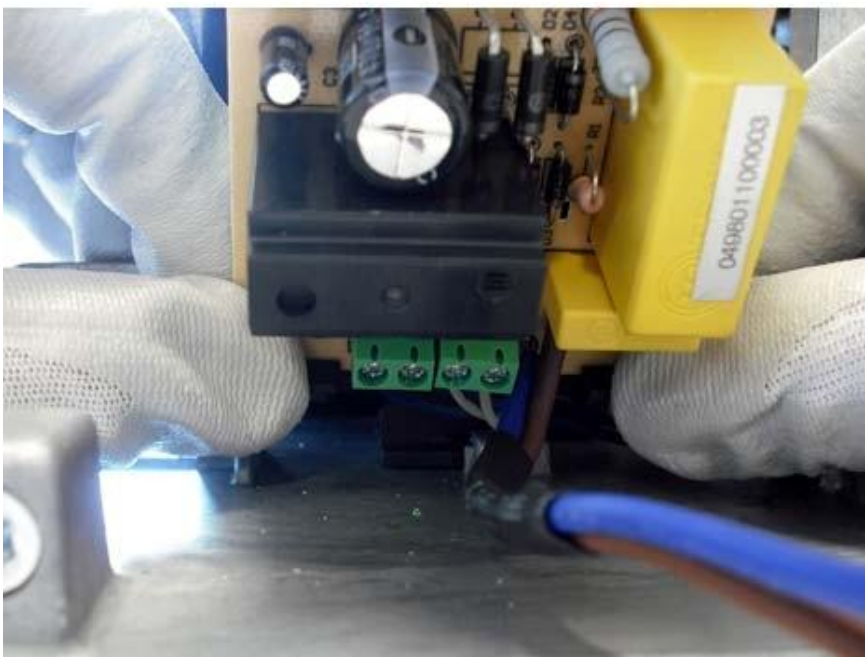
Unscrew the terminal block to release the power supply cables from the circuit board.



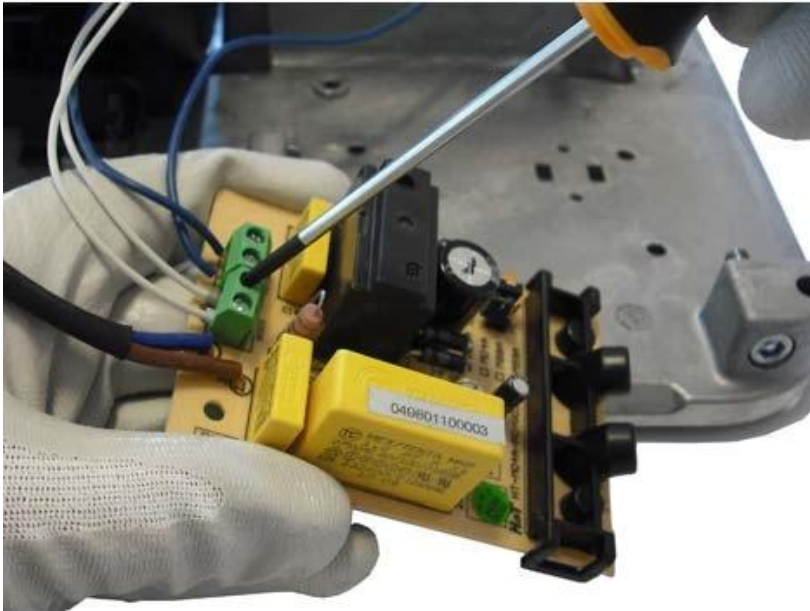
Carefully remove the clips that secure the electronic circuit board at the top.



Carefully remove the clips that secure the electronic circuit board at the bottom.



Unscrew the cables of the heating element and motor from the electronic circuit board.



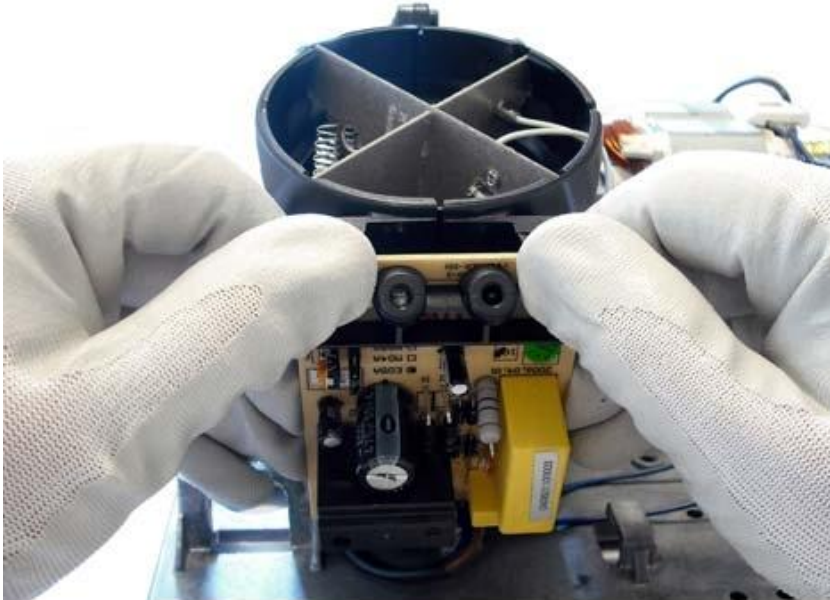
Fan

Replacement of the fan

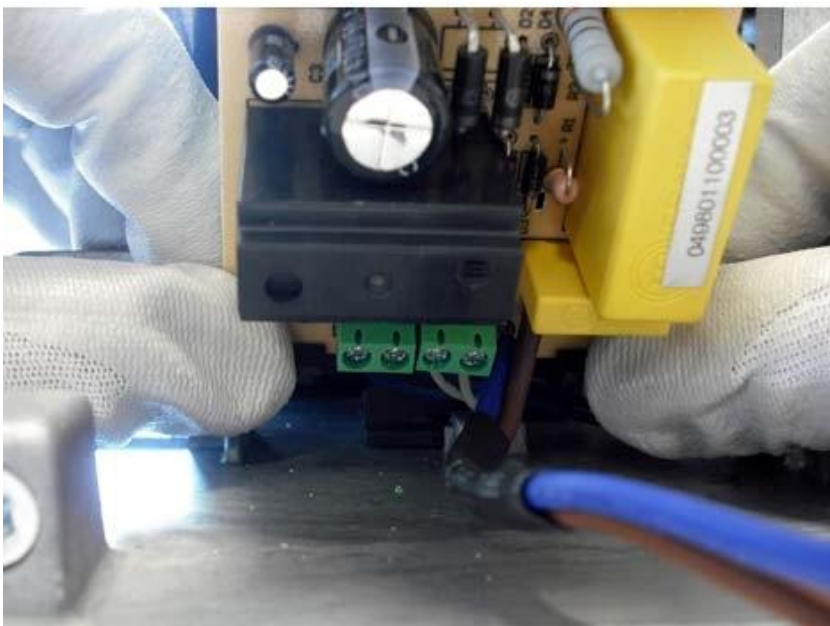
Unscrew the terminal block to release the power supply cables from the circuit board.



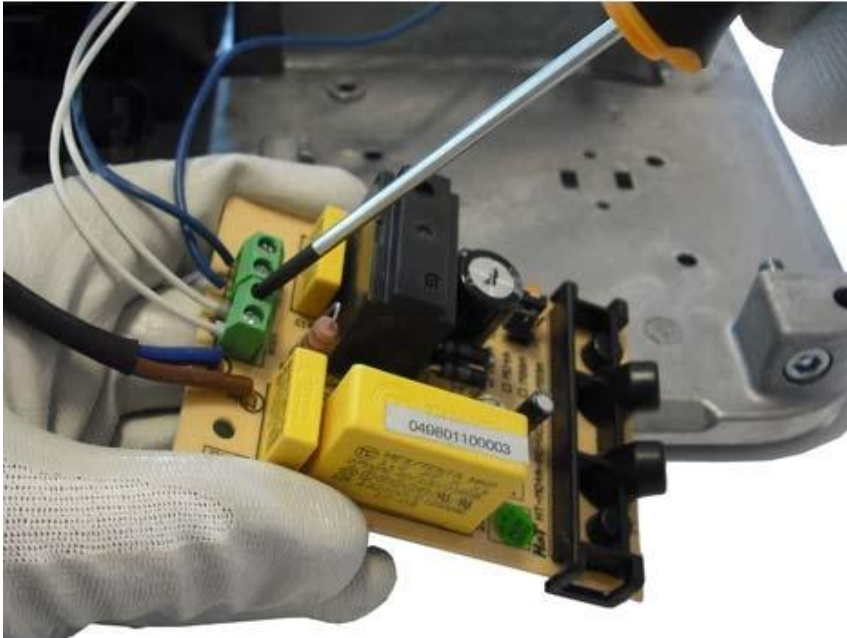
Carefully remove the clips that secure the electronic circuit board at the top.



Carefully remove the clips that secure the electronic circuit board at the bottom.



Unscrew the heating element cables from the electronic circuit board.



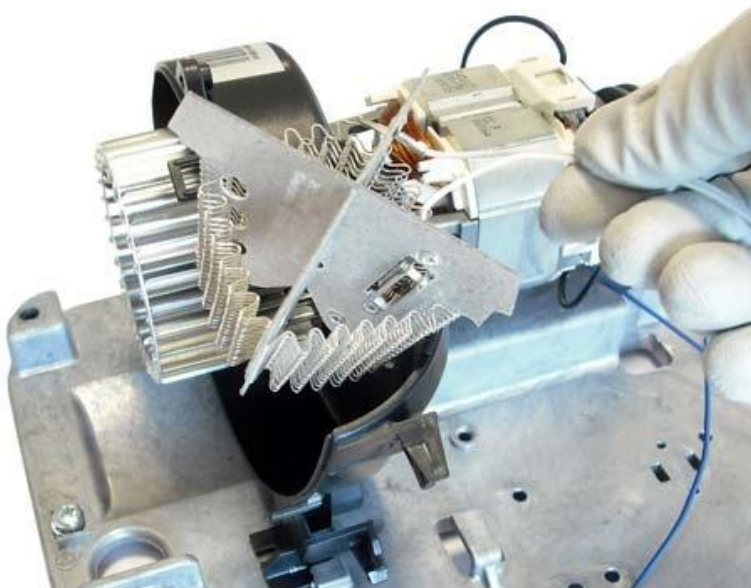
Unscrew the screws that secure the volutes together.



Remove the left volute. (If the volute is difficult to remove, use a flathead screwdriver to help, taking care not to damage the plastic parts.)



Remove the heating element.



Loosen the retainer screw that fixes the fan to the drive shaft.



Remove the fan from its position and replace it.

