



IFS Ltd t/a Intelligent Hand Dryers UK
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Optima 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.

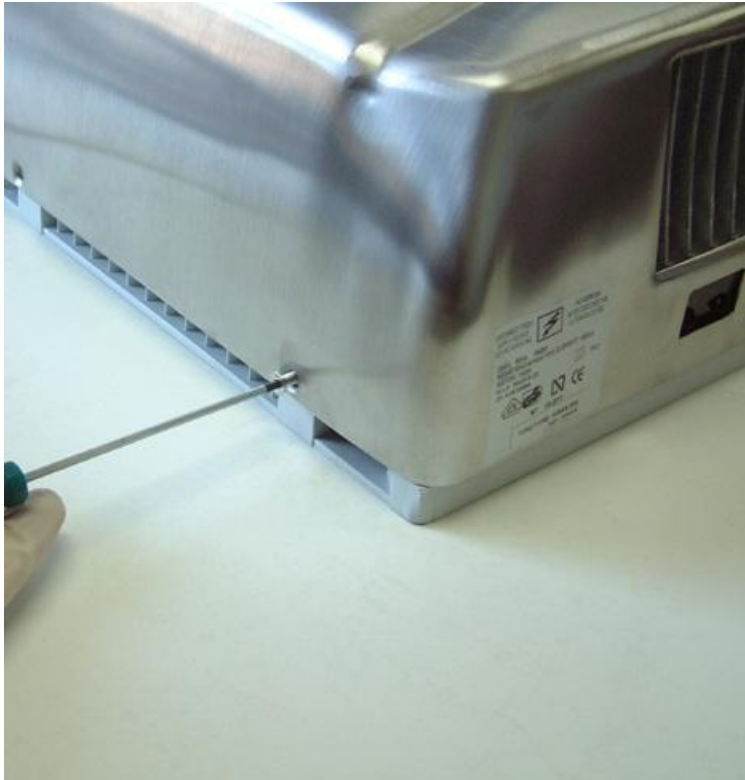
Clean the active parts of the unit, such as: the motor, the heating element, the fan and the electronic circuit board with a soft brush. In automatic versions, clean the infrared sensor with a cloth dampened with alcohol.

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

Removal of the casing

Consult the safety regulations prior to any work on the unit.

Use the supplied Allen key to release the screws that attach the casing (4 units).



Remove the casing from the base.

To avoid scratching the casing, place it on a flat surface with the visible part facing upward.



Motor

Characteristics

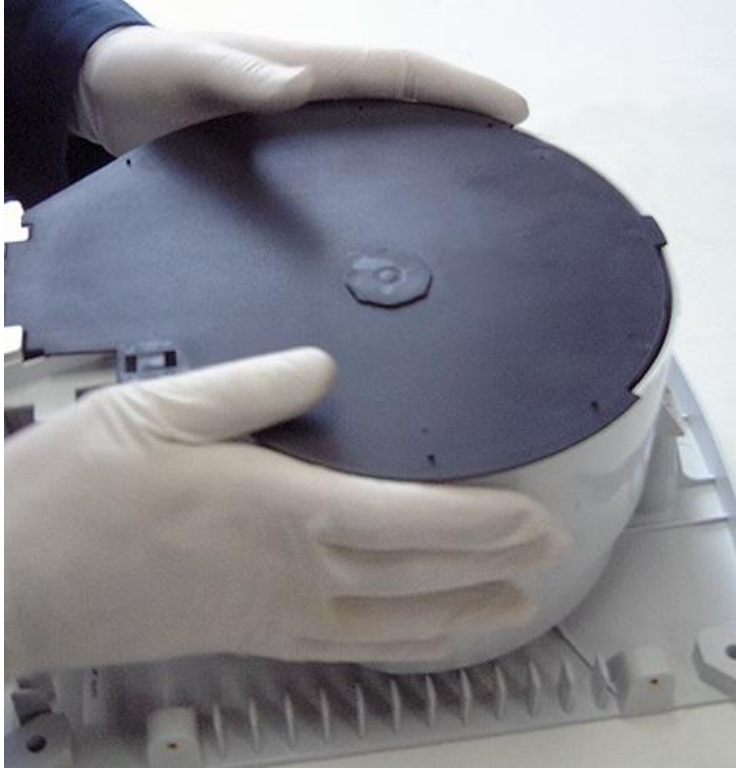
- Type: Induction
- Power: 140 W
- Speed of rotation: 2,800 rpm
- Class F

Maintenance

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

Replacement of the motor

Remove the black lid that covers the volute.



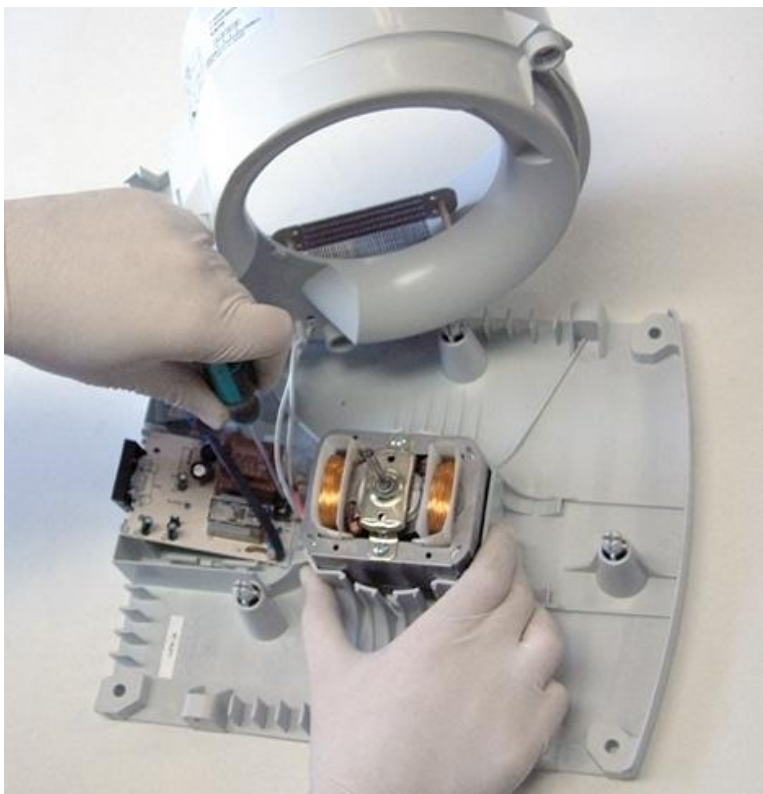
Remove the fan by loosening the nut that secures it to the drive shaft.



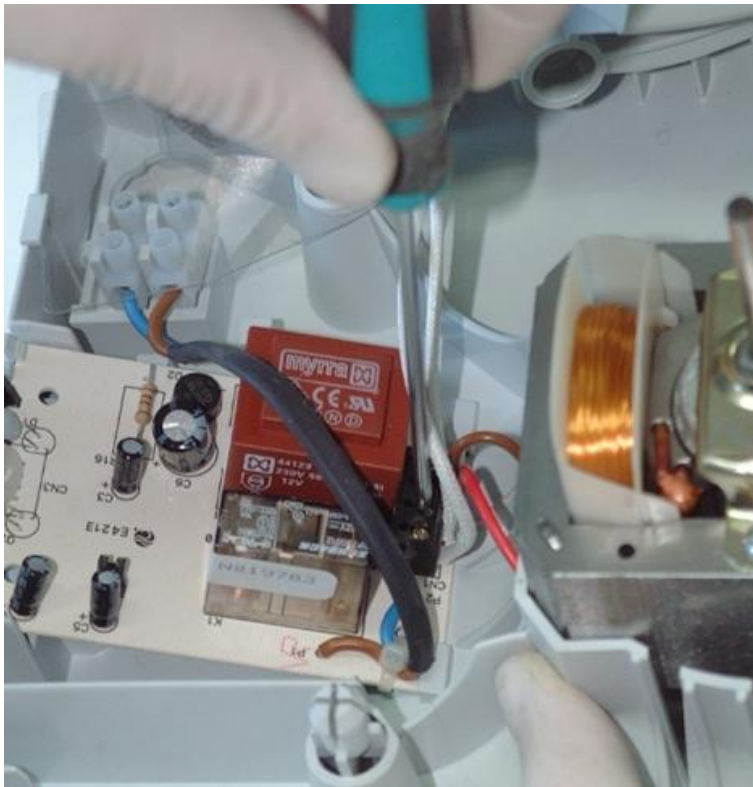
With an 8 mm hexagonal spanner, separate the volute from the base by applying slight pressure on the four anchoring clips.



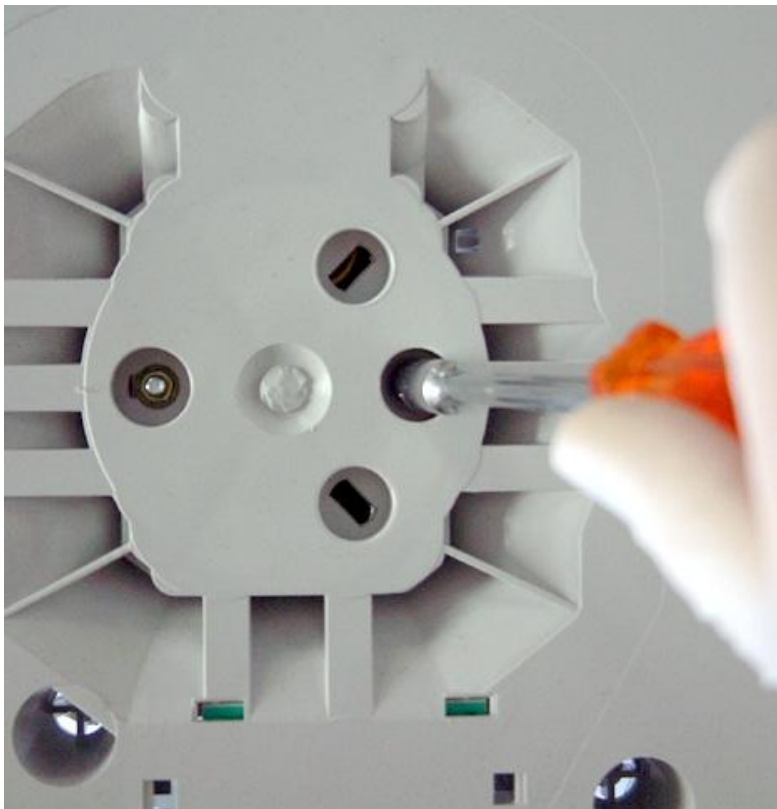
Move the volute 90°, so you can access the interior.



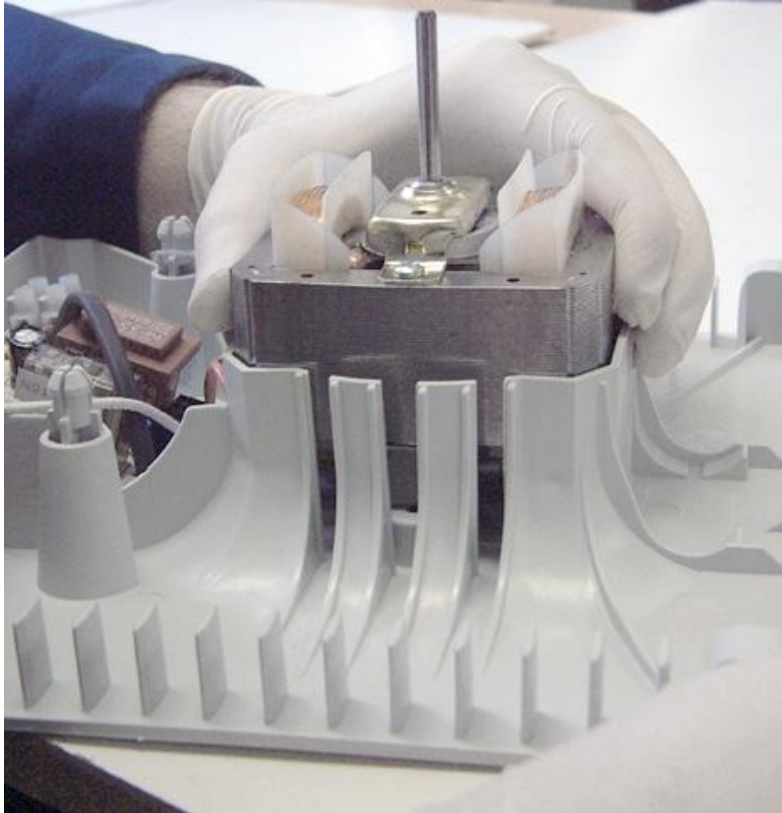
Disconnect the cables from the motor (red and brown) that go to the connection terminal block of the electronic circuit board.



With a 7 mm box spanner, unscrew the two nuts securing the motor at the back of the base.



Remove the motor from its position and replace it. Fit it by following the previous steps in reverse order.



Heating element

Characteristics

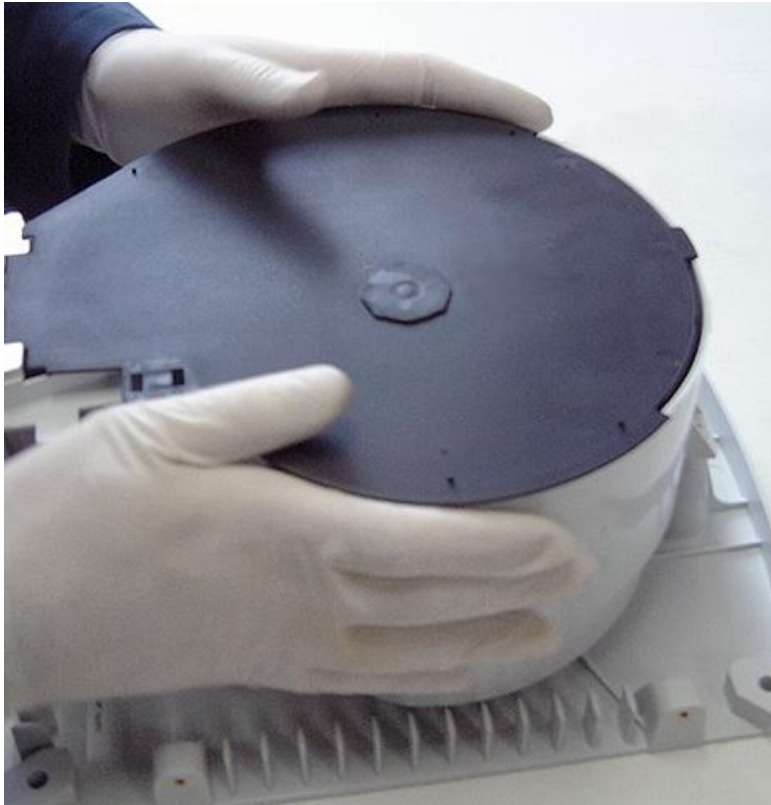
- Heating element 1,500 W
- Coiled NiCr heating element
- On MICA body
- Includes a thermal limiter

Maintenance

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

Replacement of the heating element

Remove the black lid that covers the volute.



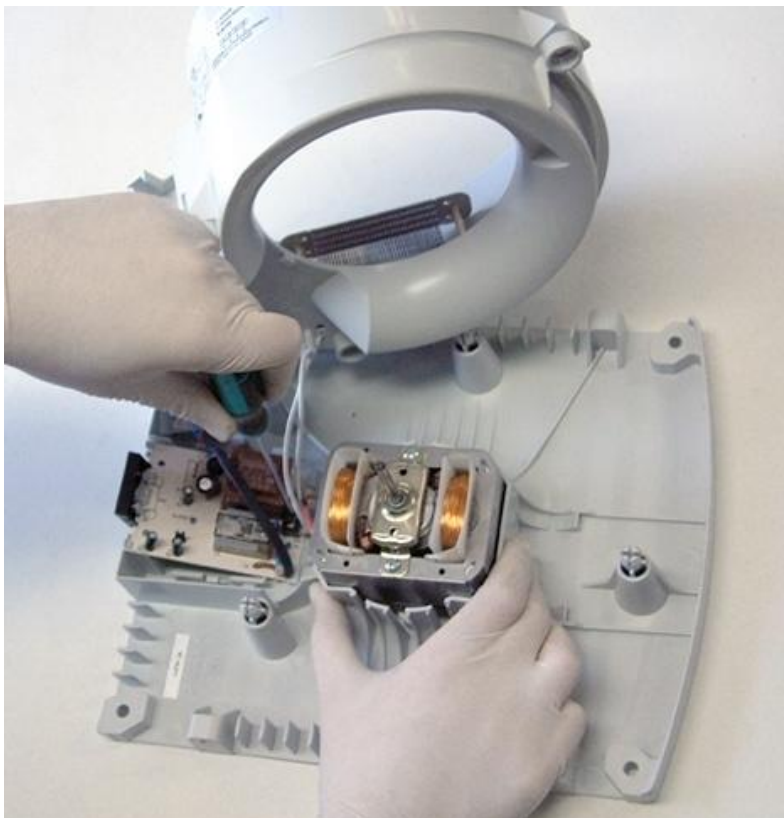
Remove the fan by loosening the nut that secures it to the drive shaft.



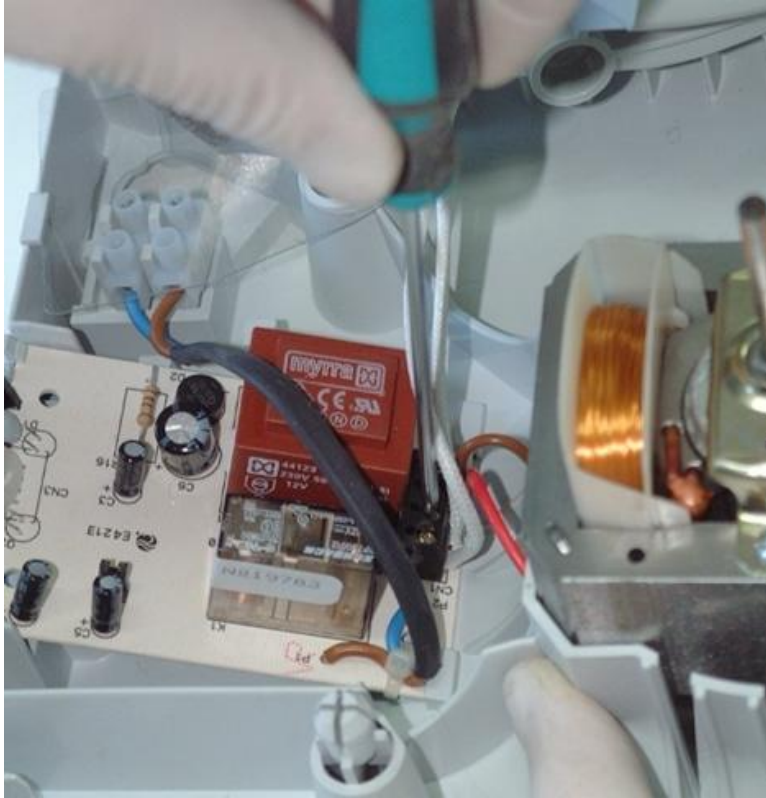
With an 8 mm hexagonal spanner, separate the volute from the base by applying slight pressure on the four anchoring clips.



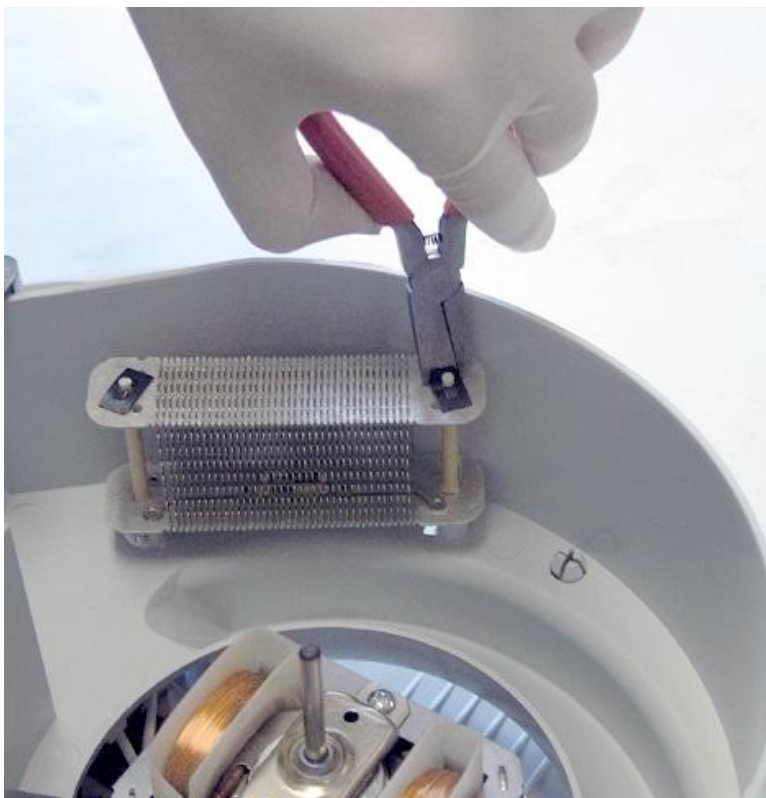
Move the volute 90°, so you can access the interior.



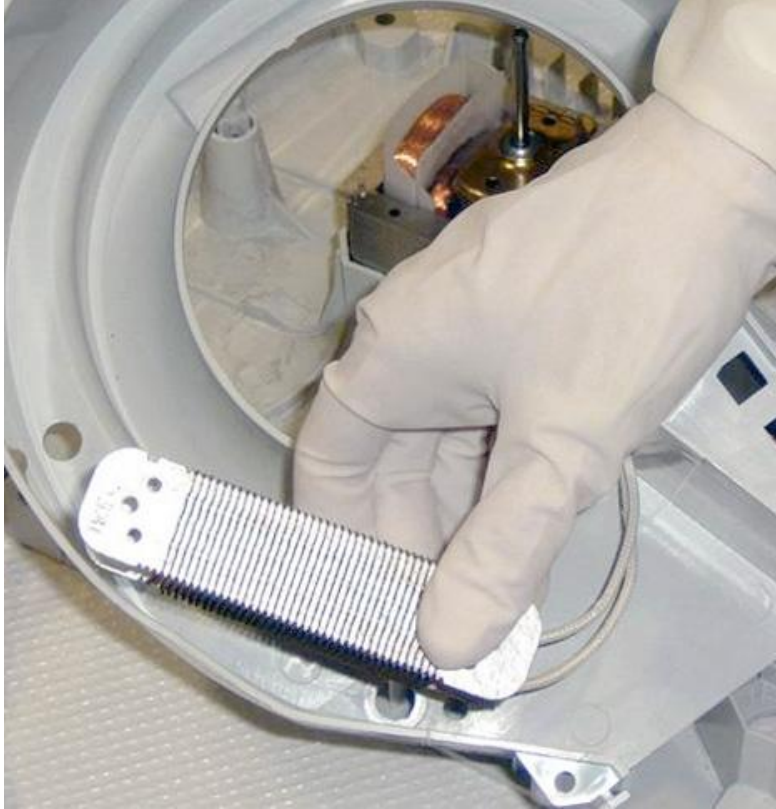
Disconnect the two white cables that go from the heating element to the terminal block of the electronic circuit board.



Remove the two circlips securing the heating element to the turrets of the volute.



Remove the heating element from the turrets and replace it. Fit it by following the previous steps in reverse order.



Electronic Circuit Board

Characteristics

- Electronic sensor, with infrared beam.
- Detection distance adjustable to 15 and 25 cm. The sensitivity can be set using a jumper. See section on setting the detection distance.

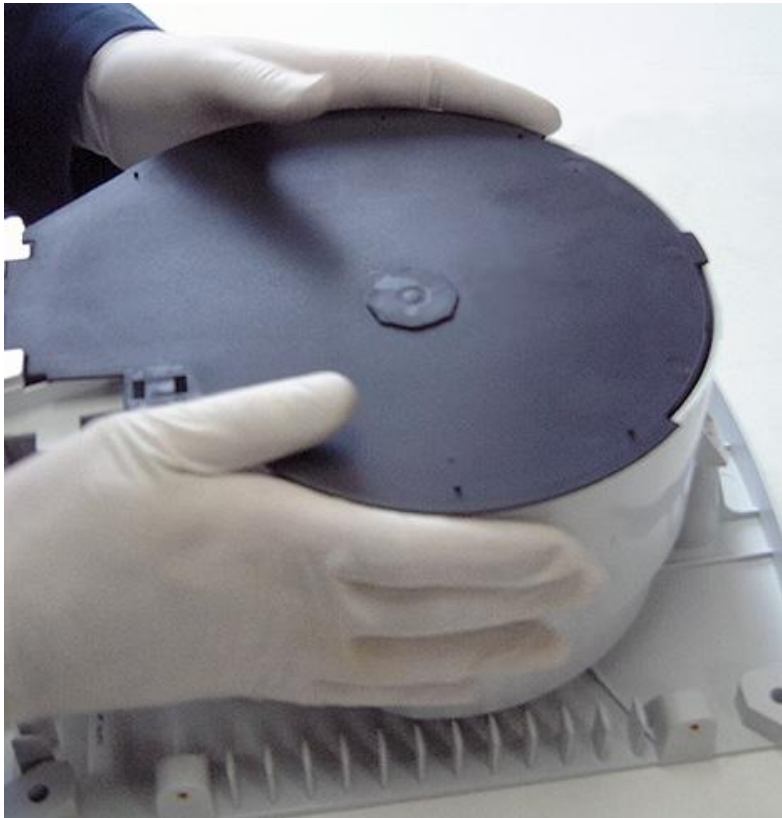
Maintenance

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

It is also recommended to clean the LEDs regularly using a cloth dampened with alcohol to ensure the signal is emitted and received properly.

Replacement of the electronic circuit board

Remove the black lid that covers the volute.



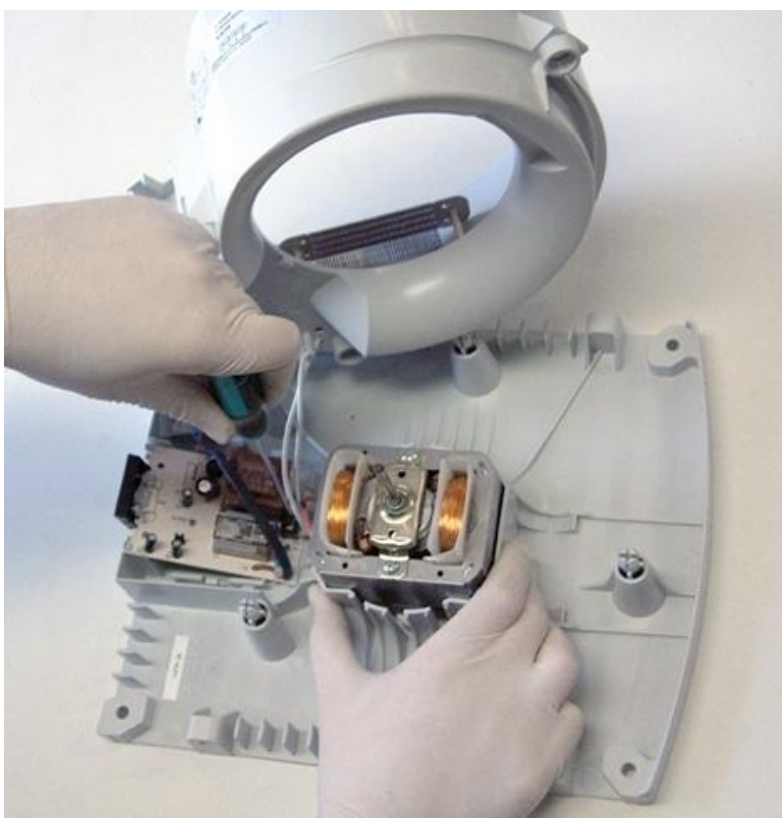
Remove the fan by loosening the nut that secures it to the drive shaft.



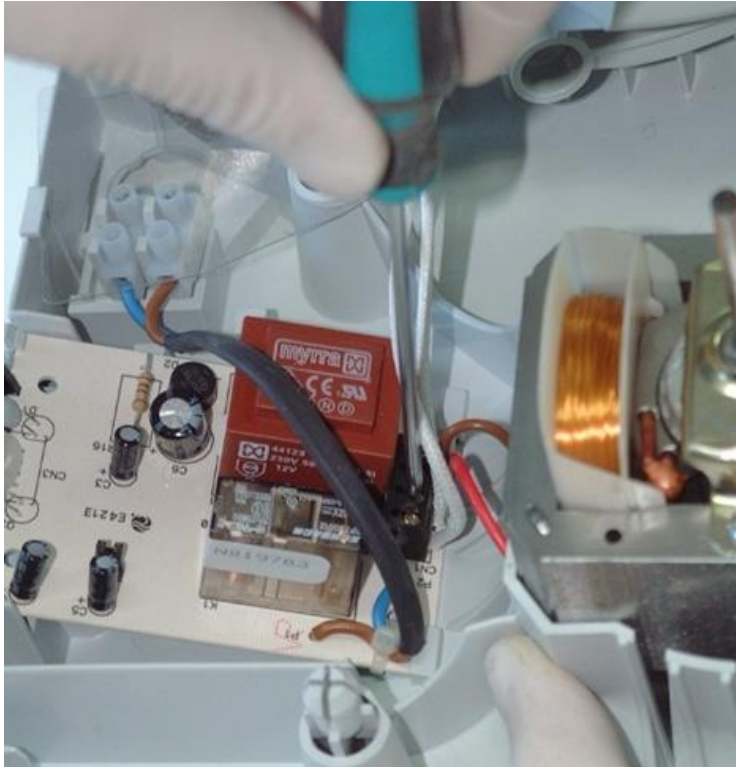
With an 8 mm hexagonal spanner, separate the volute from the base by applying slight pressure on the four anchoring clips.



Move the volute 90°, so you can access the interior.



Disconnect the four cables; two from the motor (red and brown) and two from the heating element (two white) that go to the terminal block of the electronic circuit board.



Disconnect the two power supply cables of the electronic circuit board that go to the terminal block that is connected to the grid.



Remove the electronic circuit board from its position, freeing it from its clips and replace it. Fit it by following the previous steps in reverse order.

