



# Service Manual for 2905-2873

How to Remove the Cover





# Cover Specification

Steel – White Epoxy Enameled

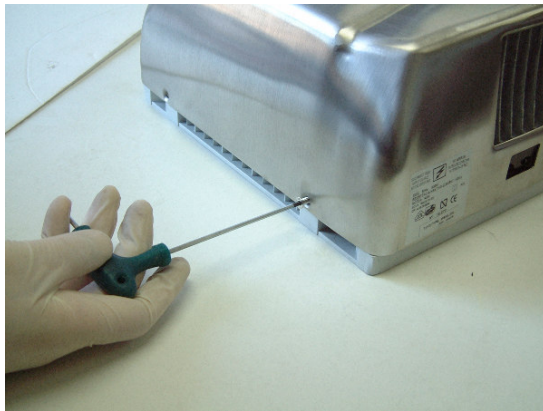
Replacement Part Number: P15-433



Reminder!

Disconnect power to the unit before  
removing the cover

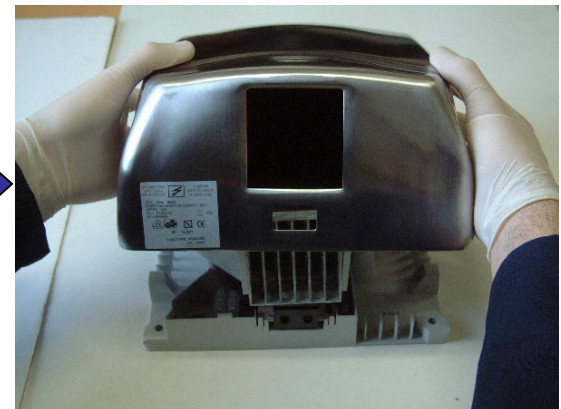
# Removing the Cover



Step 1: Unscrew the two screws with wrench provided. (Part # P15-441)

Step 2: Remove the cover vertically, taking care to avoid:

- Damaging Internal Components
- Damaging the Cover





# Service Manual for 2905-2873

How to Remove the  
Heating Element



## Heating Element Specification

Undulated Heating Element (1500 W)

- Material: Winding in NICROM; body in MICA
- Automatic resetting circuit breakers to protect against overheating

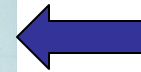
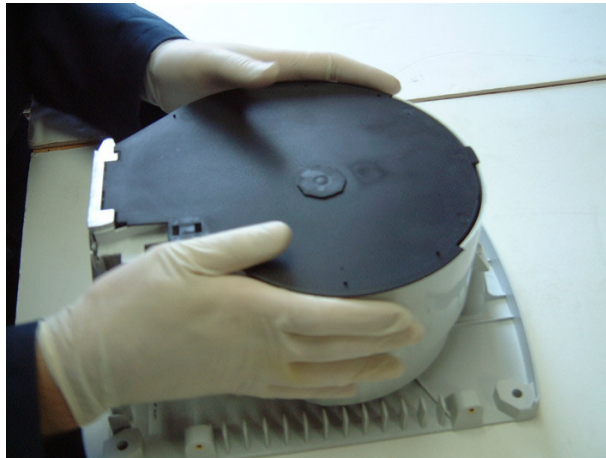
Replacement Part Numbers: P15-424 for UL models  
P15-425 for CE models



## Reminder!

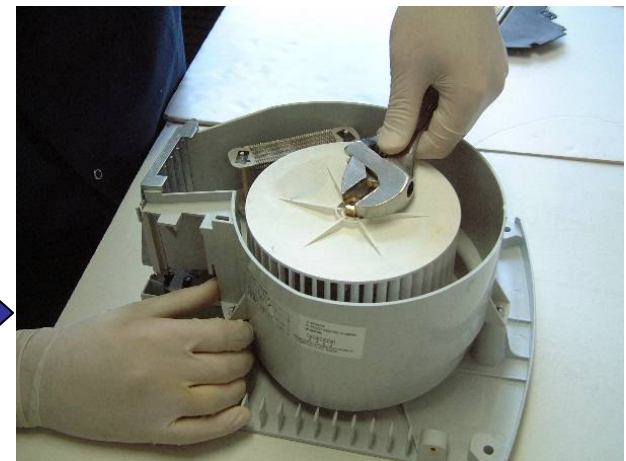
Disconnect power to the unit before  
removing the cover

# Removing the Heating Element



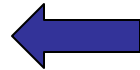
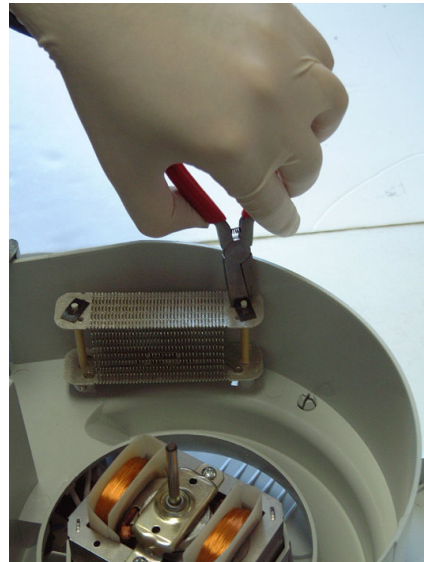
Step 1: Remove the fan scroll lid.

Step 2: Remove the fan wheel by unscrewing the center nut.



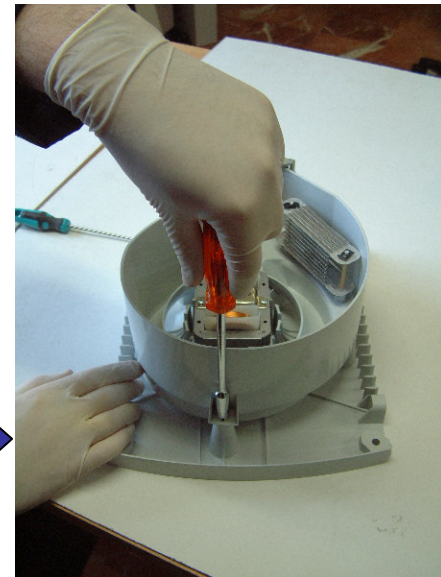


# Removing the Heating Element

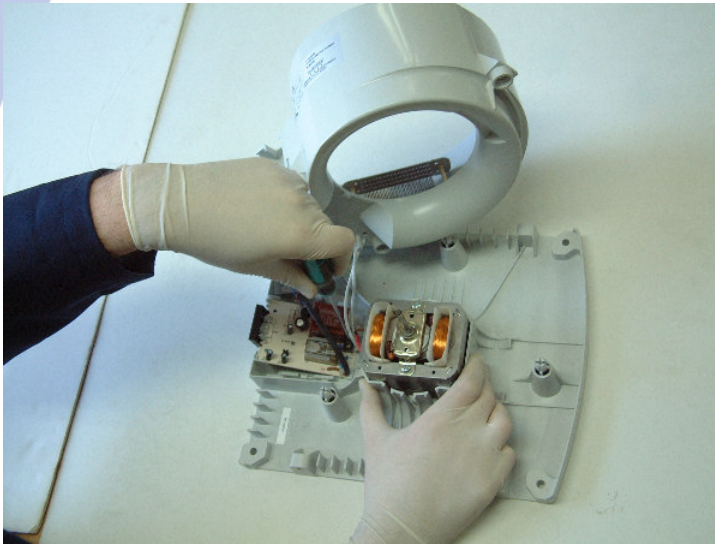


Step 3: Remove the clips on the upper part of the heating element.

Step 4: Carefully remove the scroll from the base using a hexagonal socket wrench. (a click-connection, pushing down only)

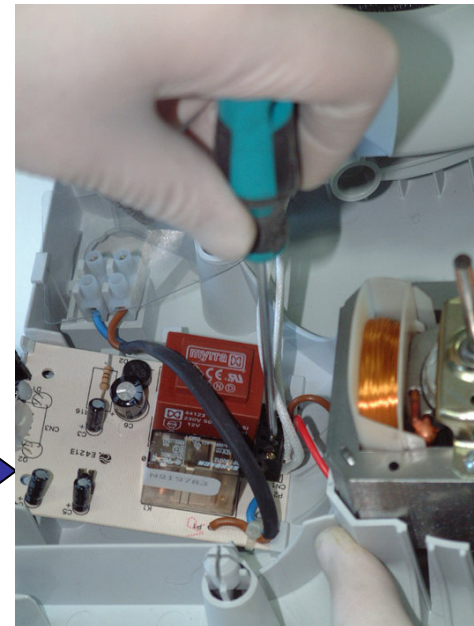


# Removing the Heating Element

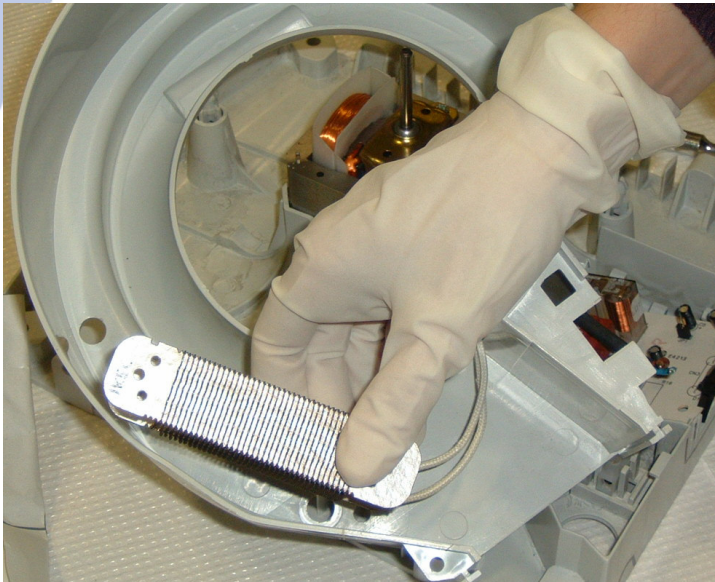


Step 5: Open the scroll approximately 45°

Step 6: Disconnect the two cables of the heating element (the white ones) from the circuit board.



# Removing the Heating Element



← Step 7: Remove the heating element from its housing.

To replace the heating element, follow the above steps in reverse.



# Service Manual for 2905-2873

How to Remove the Motor





# Motor Specification

Induction Motor (2800 rpm)

- Maintenance Free
- Vibration free and quiet operation
- Self-resetting safety circuit breakers to eliminate overheating and burnout

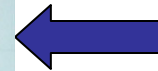
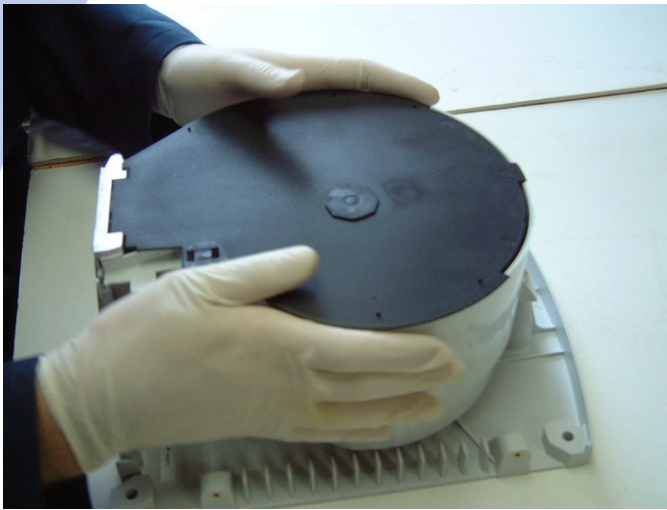
Replacement Part Numbers: P15-434 for UL models  
P15-435 for CE models



Reminder!

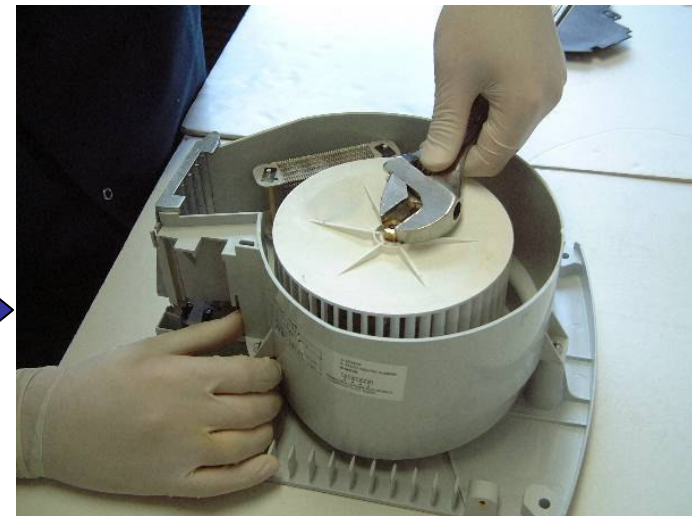
Disconnect power to the unit before  
removing the cover

# Removing the Motor

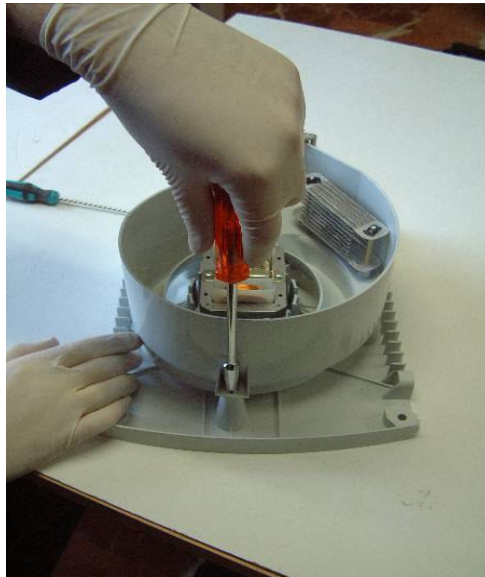


Step 1: Remove the fan scroll lid.

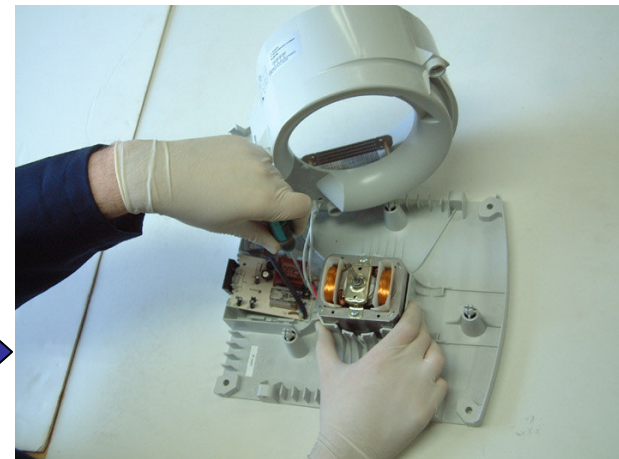
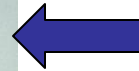
Step 2: Remove the fan wheel by unscrewing the center nut.



## Removing the Motor (continued)



Step 3: Carefully remove the volute from the base using a socket wrench.

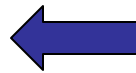
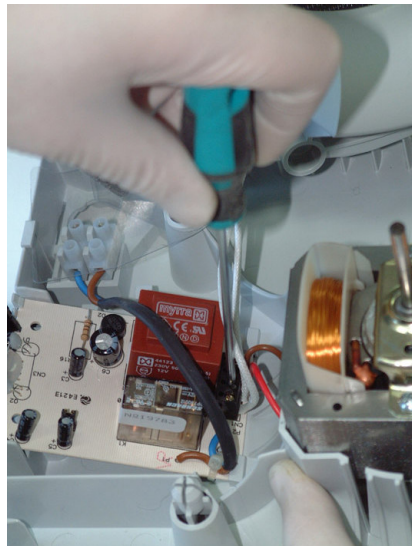


Step 4: Open the volute approximately 45°



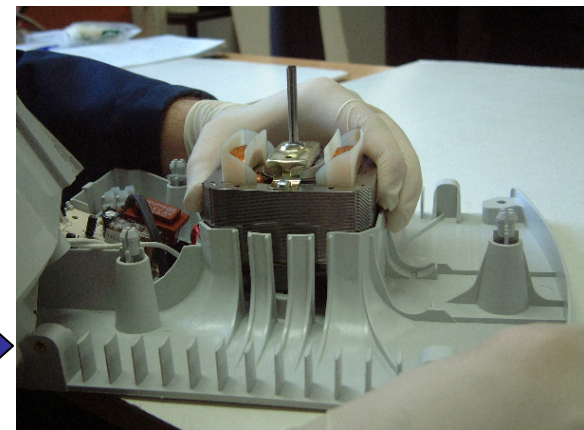


## Removing the Motor (continued)



Step 5: Disconnect the cables of the motor from the electric plate

Step 6: Remove the Motor



Note: To replace the motor, follow the same steps in reverse



# Service Manual for 2905-2873

How to Remove the Sensor and Circuit Board





# Sensor Specification

- Infra-red Sensor
- Automatically turns dryer on and off.
- Detection distance between 10 and 25 cm, sensitivity is easily adjusted by the jumper.

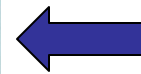
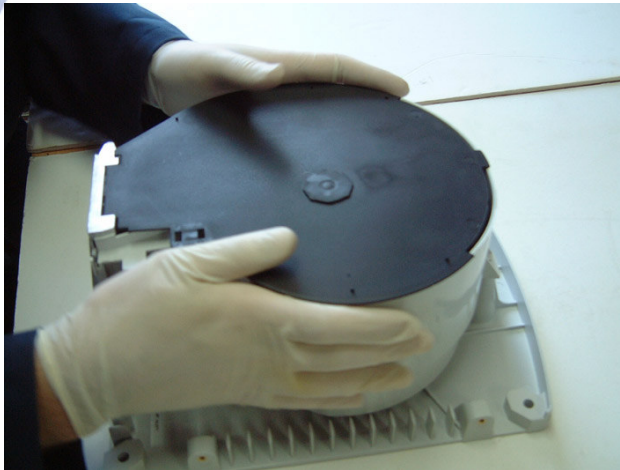
Replacement Part Numbers: P15-438 for UL models  
P15-439 for CE models



Reminder!

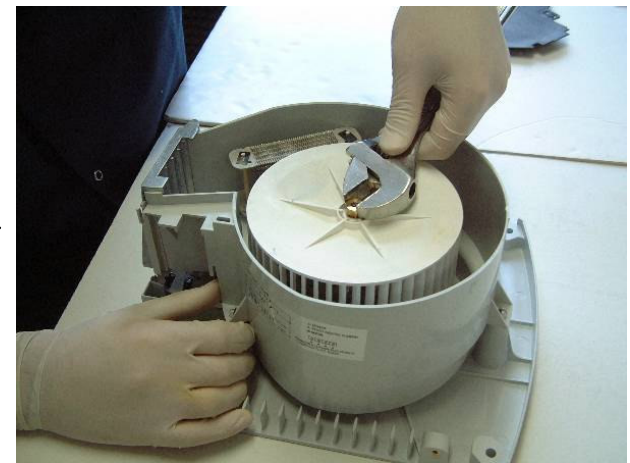
Disconnect power to the unit before  
removing the cover

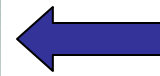
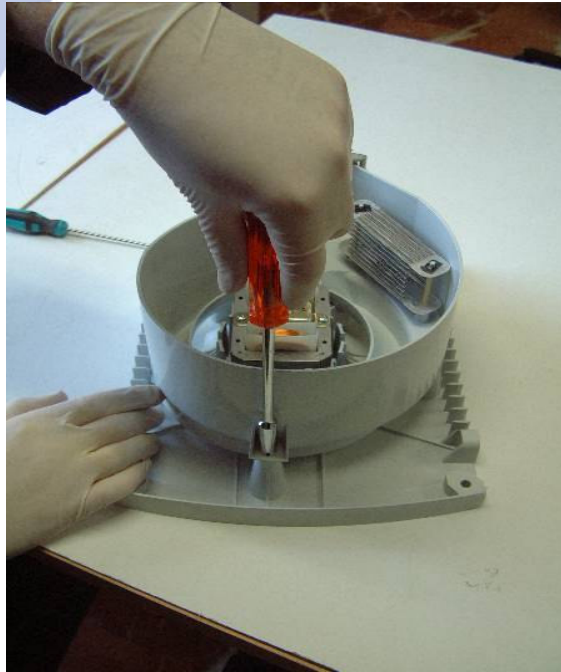
## Removing the Circuit Board:



Step 1: Remove the fan scroll lid.

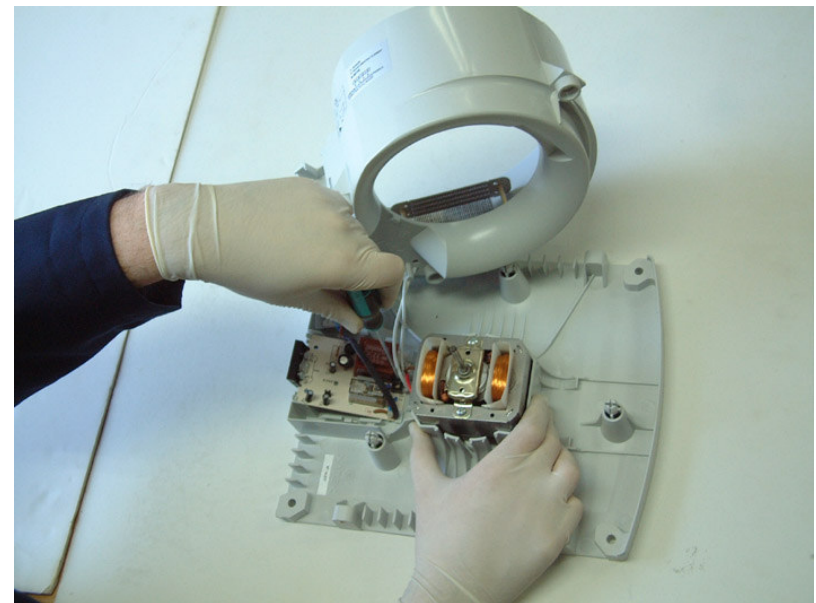
Step 2: Remove the fan wheel by unscrewing the nut in the middle.

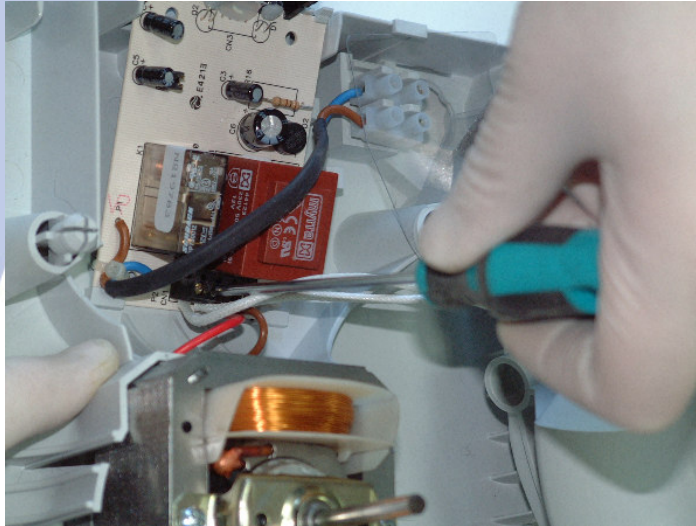




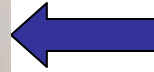
Step 3: Carefully remove the volute from the base using a bent socket wrench.

Step 4: Open the scroll approximately 45°.

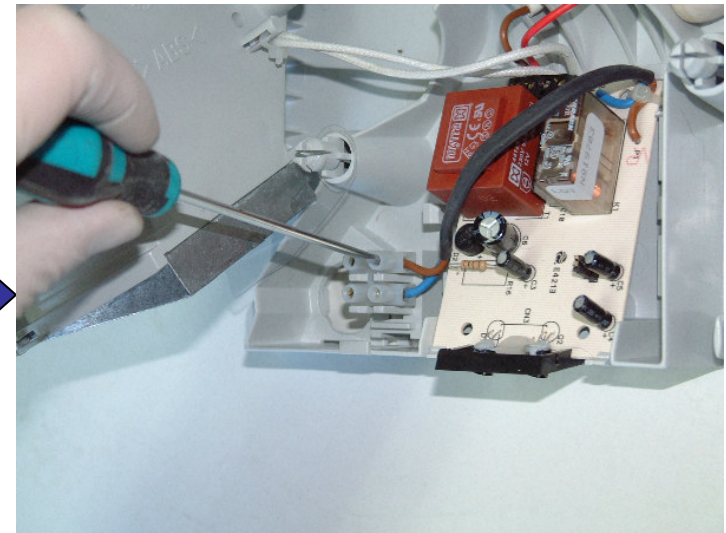


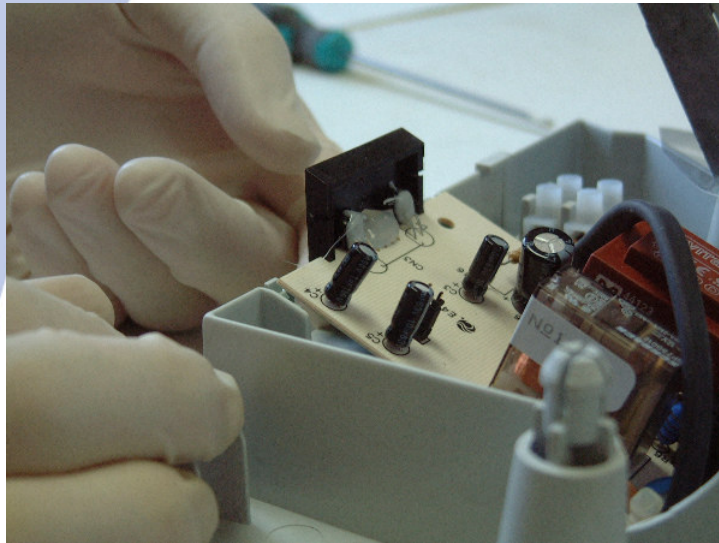


Step 5: Disconnect the 4 cables of the Motor (the red and brown), and of the heating element (the white ones).



Step 6: Disconnect the cables of the power terminal.



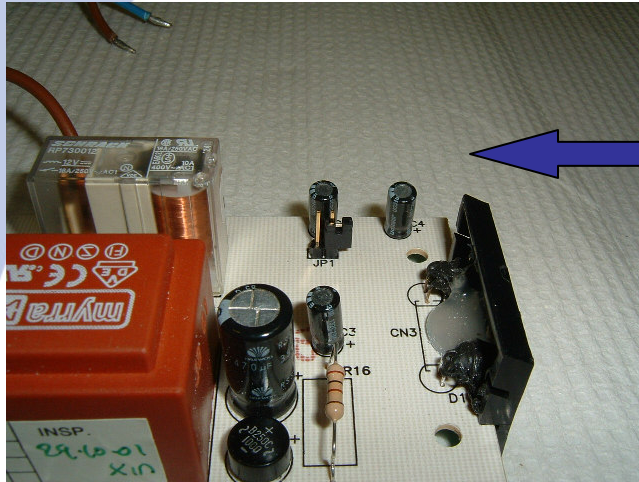


Step 7: Pull out the circuit board  
(by flexing both front clips).

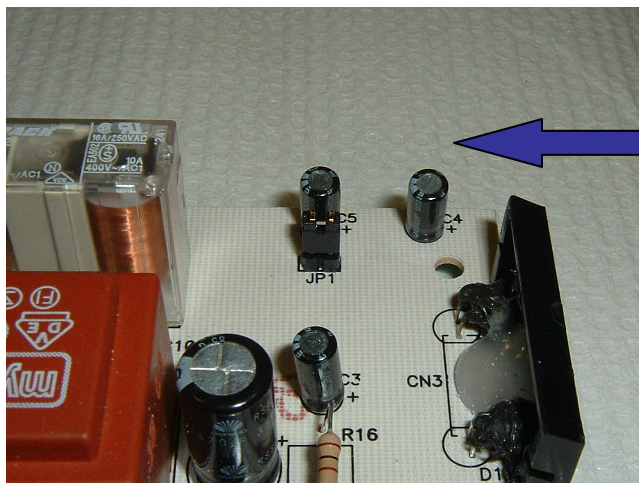
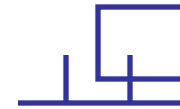
To replace the circuit board, follow the same steps in reverse.



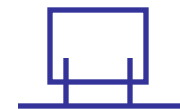
# To adjust the detection distance: Use the JUMPER



*A: High sensitivity.  
Detection distance 20-25 cm.*



*B: Low sensitivity.  
Detection distance 10-15 cm.*



\*\*\*The hand dryers are supplied with the jumper on low sensitivity.