

Repair manual Aircomatic III



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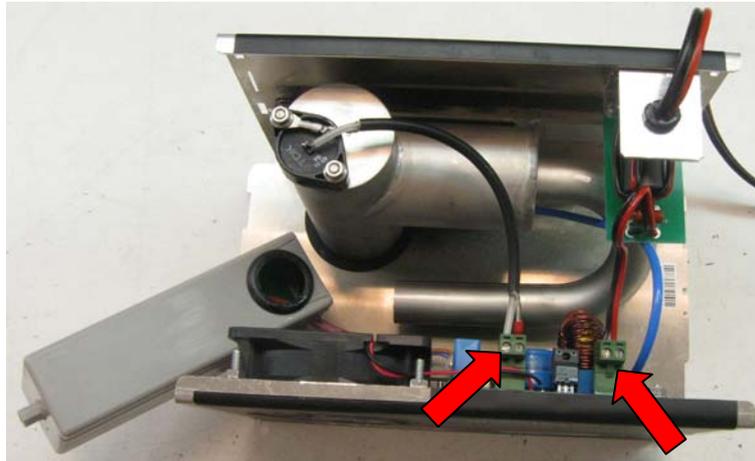
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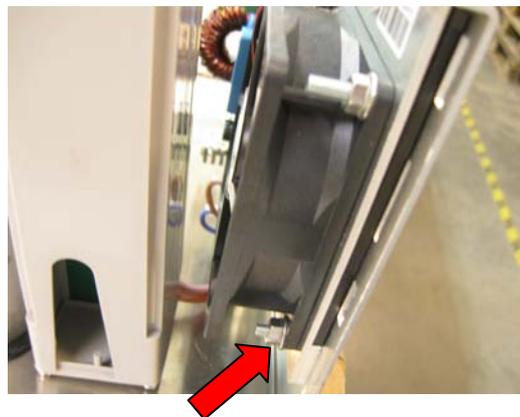
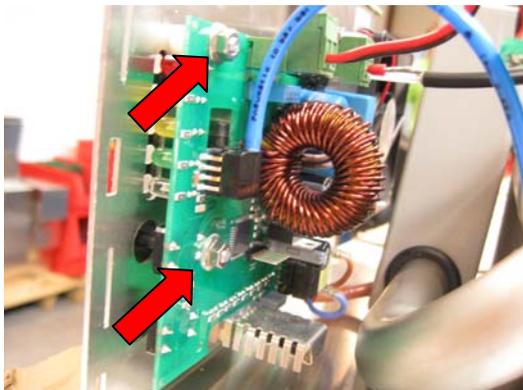
1. Broken or noisy fan

Step 1. Open the Aircomatic III as described in Appendix A.

Step 2. Remove the two cables that are connected via a green connector; and the ozonebox.

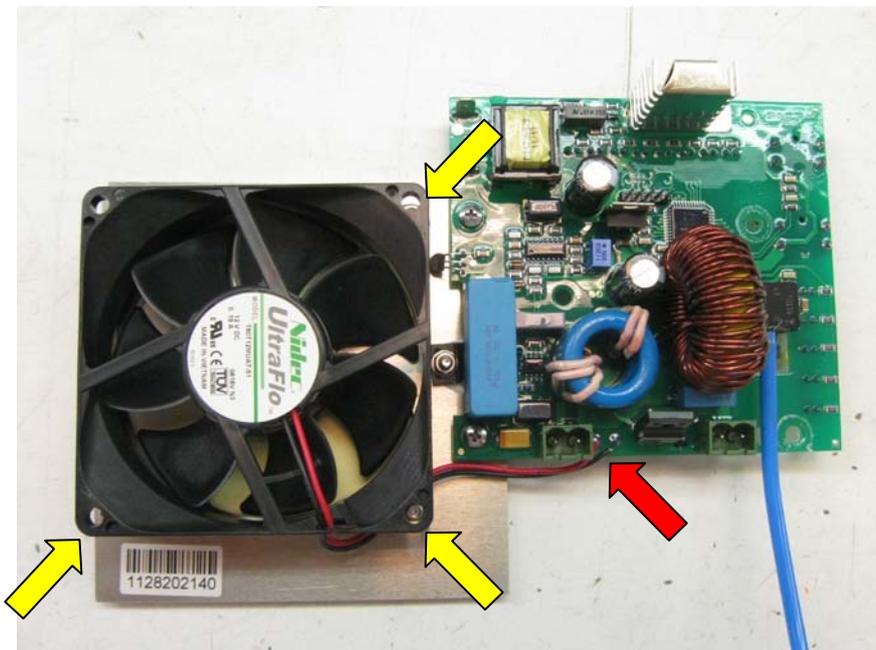


Step 3. Remove 3 nuts to remove the board. *Be careful that the blue hose remains connected !*





Step 4. Desolder fan wires



Step 5. Remove nuts from fan

Step 6. Replace fan, and put screws back.

Step 7. Solder wires back, notice + and –

Step 8. Put board back and test the fan.

Step 9. Close the Aircomatic as described in Appendix B.



2. Replacing transducer

Step 1. Open the Aircomatic III as described in Appendix A.



Step 2. Remove nuts from transducer holder and remove holder.

Step 3. Before removing the transducer, notice how the rubber ring is placed in the holder. Remove the transducer by removing the rubber ring.



Step 4. Remove the new transducer from its transducer holder and place it in the holder

Step 5. Put nuts back and fasten them with a force of 2 Newton.

Step 6. Test the device by using 60ml of water and check that it produces mist.

Step 7. Close the Aircomatic as described in Appendix B.

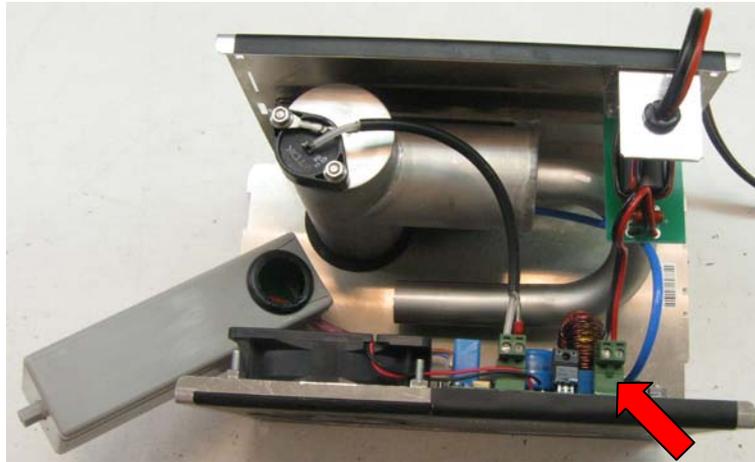
NOTE:

If the amount of mist produced is very low it might be necessary to adjust the control of the transducer. This is possible by adjusting the small potentiometer on the board until there is a maximum amount of mist produced.

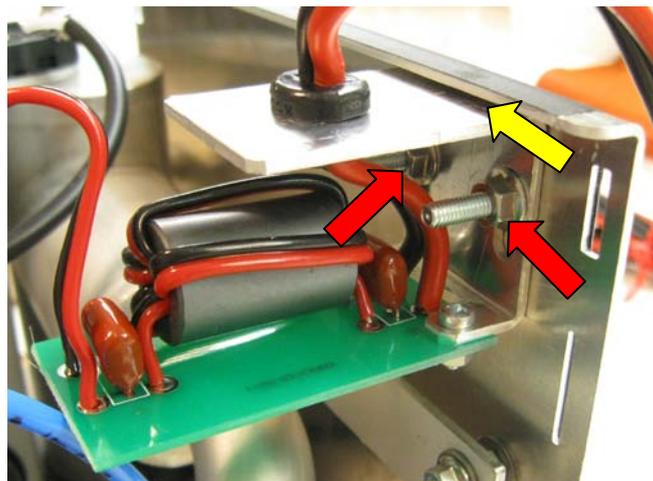


3. Damaged powercable

Step 1. Open the Aircomatic III as described in Appendix A.



Step 2. Remove powersupply connector from board



Step 3. Remove two nuts and replace board, make sure that there is just enough room to fit the other shell. Too much room will cause the pressure inside the device drop during operation.

Step 4. Reconnect powersupply board to mainboard and close the Aircomatic III as described in Appendix B.



4. Replacing the filter

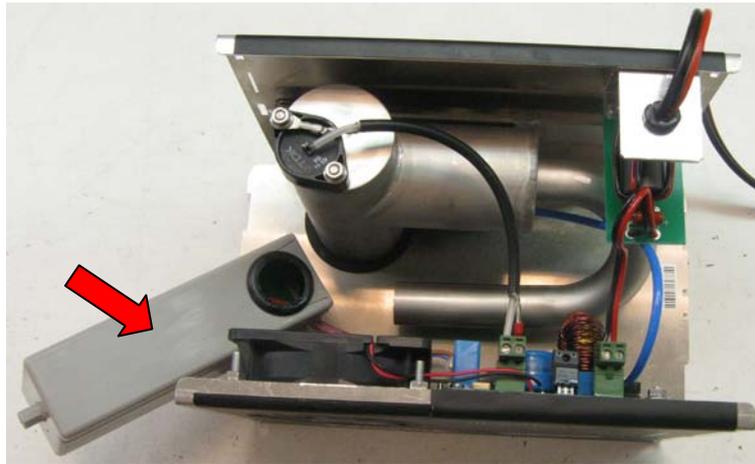
Replacing the filter is simple pulling out the old one and replacing it by a new one. A screwdriver can be helpful in getting the filter out. Please note the way it is inserted.



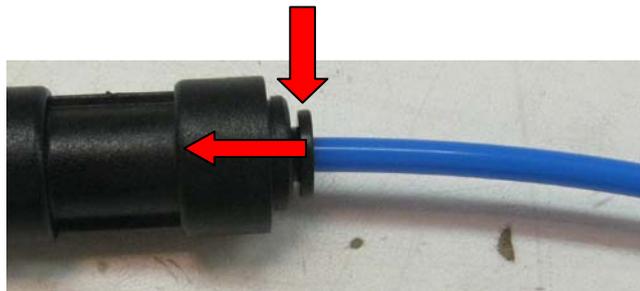


5. No ozone production

If no ozone is produced either the 'ozonebox' can be faulty or the board. Start by replacing the 'ozonebox', if this does not solve the problem replace the board.



Replacing the board is already described in chapter 1. Please note, when the board is actually removed the blue hose must ***NOT*** be removed from the board, but on the side of the bottle. The hose is connected to a black hoseconnector, to release the hose connector press on the connector inwards and gently pull on the blue hose.



Finally make sure you calibrate the Aircomatic III as described in chapter 6.



6. Pressure calibration

The level of the liquid is measured by measuring the pressure it causes compared to the outside pressure. The pressure sensor can only operate if it is correctly calibrated. This means it needs to be zero when the Aircomatic III is not filled with liquid. If there is any liquid in the measurement tube, the Aircomatic will not read the actual pressure, this can cause it to stop too early or too late.



To help check this the blue led bar can be used. To check the level, press-and-release the 'O³' button until the blue bar is half full (this way you see when it displays the pressure). Now press-and-hold the 'O³' button for 10-15 seconds. The display will start displaying the measured pressure.

Each LED represents a certain value, with LED 8 indicating positive or negative pressure. The pressure is acceptable when the following combinations are visible:

LED1	LED2	LED3-7	LED8
OFF	OFF	OFF	Don't care
ON	OFF	OFF	Don't care
OFF	ON	OFF	Don't care
All other values indicate that pressure is too high or too low			

Before zeroing the pressure measurement you need to be sure that no liquid is in the measurement tube. This can be checked by simply enabling this indication and shaking the product up-and-down, and even upside down. If any liquid is present in the tube you should see the indication vary.

Once, the reading is stable this can be considered zero. By pressing-and-holding 'Start/Stop' button for around 10 seconds the device is reset. The 'High' and 'Low' LEDs will blink, when the blue 'Cleaning' LED also blinks calibration has been performed successfully.



Appendix A. How to open the Aircomatic III

Step 1. By using a flat screwdriver carefully pushback the side panel, there are 3 slots on each side.



Step 2. Once one side has been lifted the other side slides off easily.



Step 3. Remove the handle, by lifting the it from it lock-position



Step 4. Finally remove the bottom shell by pushing open both back and front panel and pulling the bottom shell. The inside will now be visible.





Appendix B. How to close the Aircomatic III

Step 1. Put back the bottom shell. Do this by first sliding in the part with the cutout into the top shell.

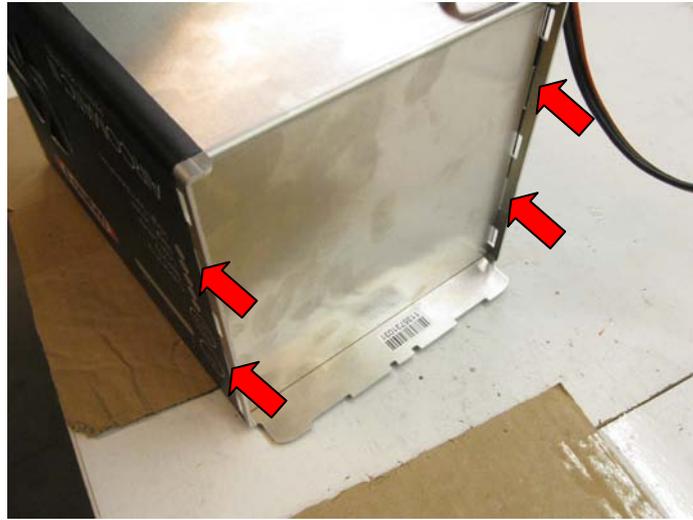


Step 2. Press on the top of the shell to push it into the other shell, please not, make sure that you align the ozonebox with the hole





Step 3. Push-in or pull-out the side panels till they slide into their slots.



Step 4. Put handle back

Step 5. Put side panels back:

1. Centre the side panel with the handle



2. Push on the corners in the designated order.

