

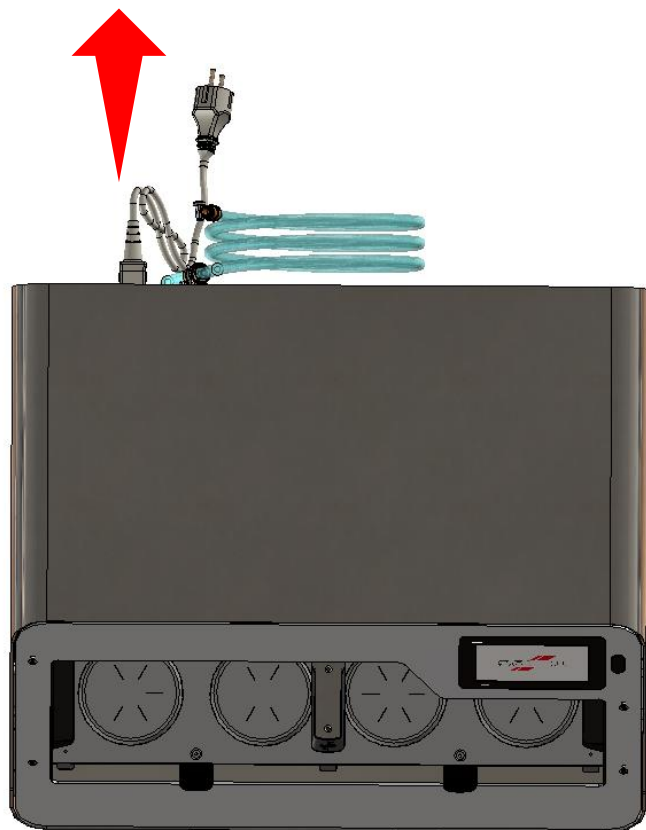


# Repair manual BIOSTAR® 4-Aligner

9 Replacement thermocouple for  
main board 3030.840

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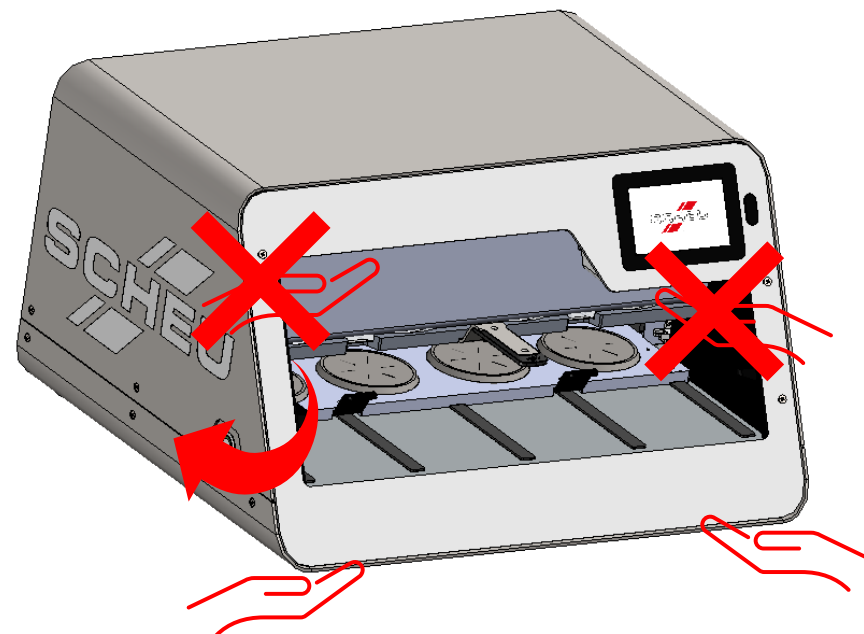
**1** DISCONNECT THE DEVICE FROM THE POWER SUPPLY!



**2** Turn the appliance so that you can reach the screws on both sides.

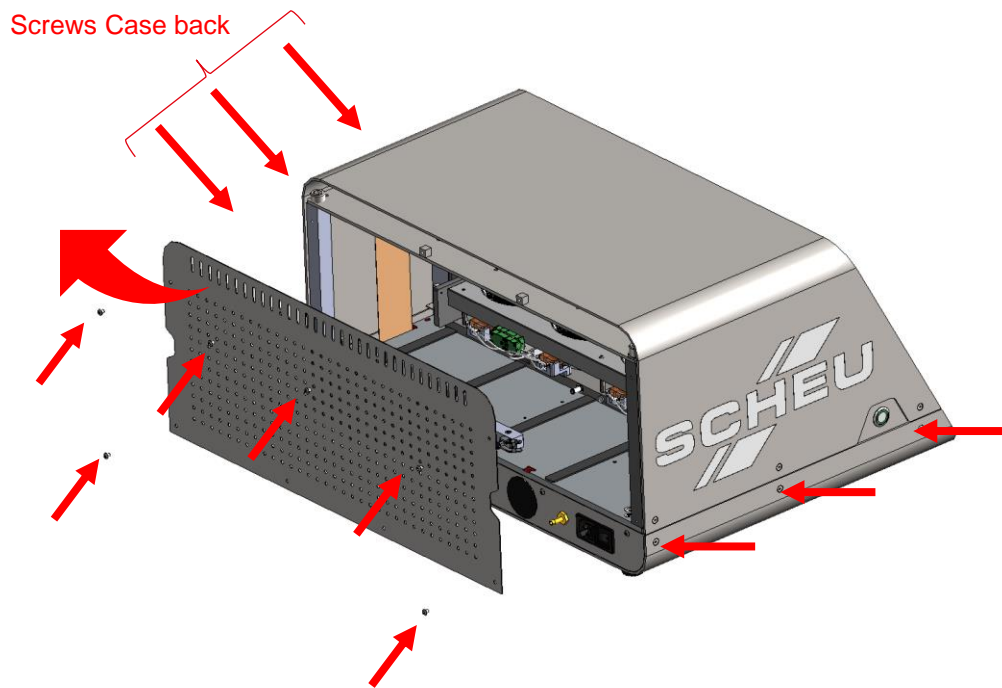
Do NOT lift the device by the FRONT panel but reach under the device!

Make sure that the current software version is installed.

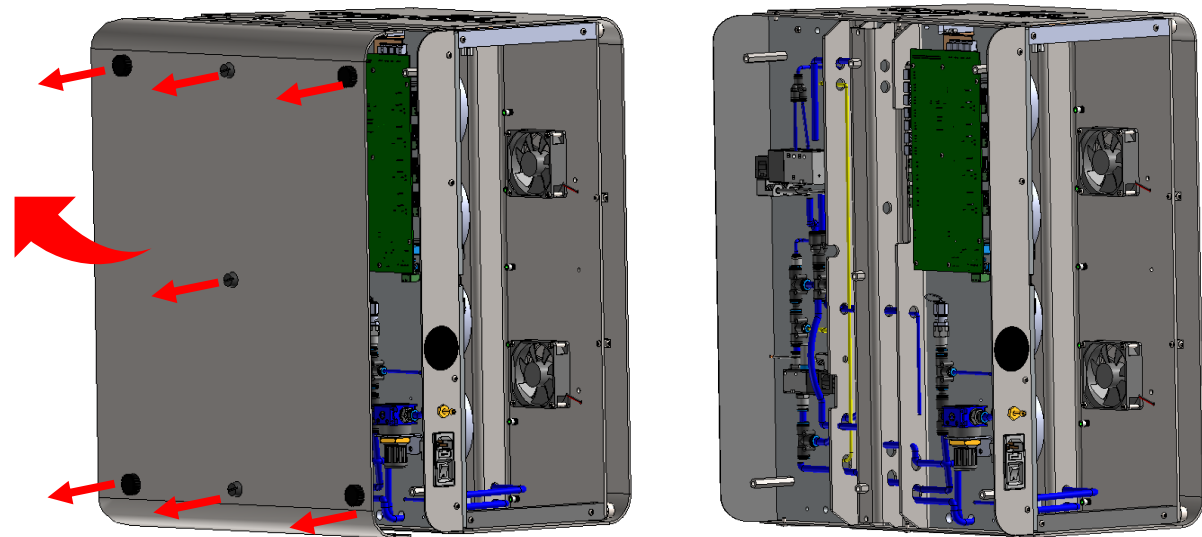


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- 3** Remove the 6 screws from the rear panel and set the rear panel aside. Remove the 6 screws from the bottom of the housing.



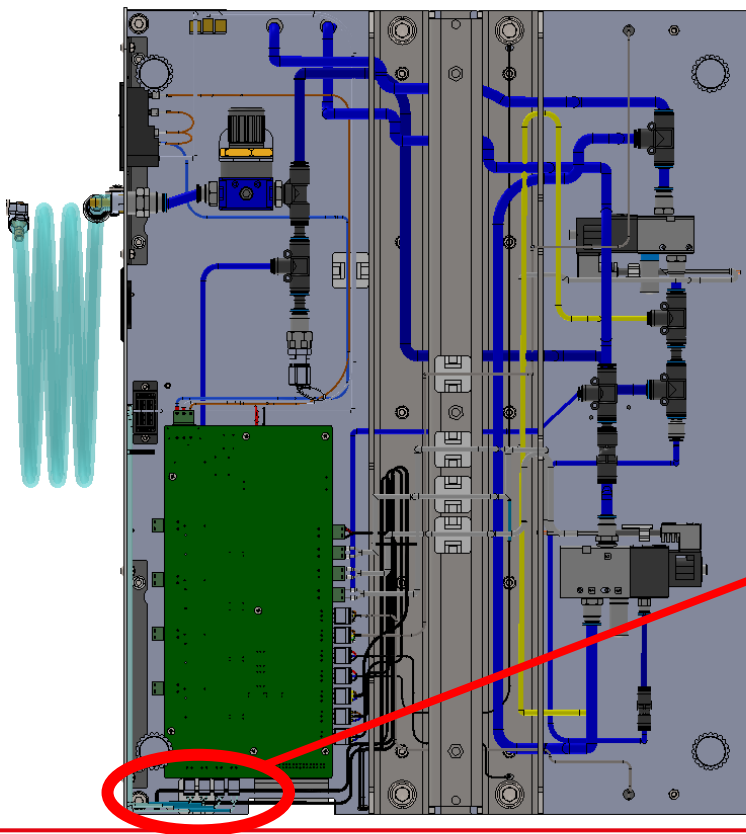
- 4** Unscrew the 7 housing feet and remove the housing base and put everything to one side.



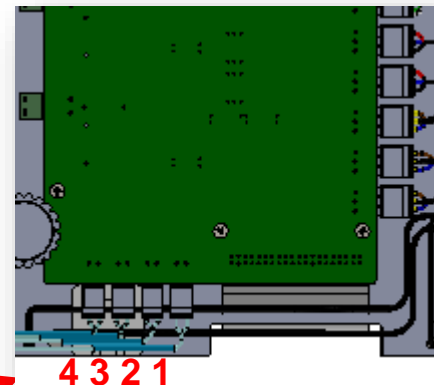
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**5**

As shown below, there are 4 connectors for the thermocouples in the area of the main circuit board.

**6**

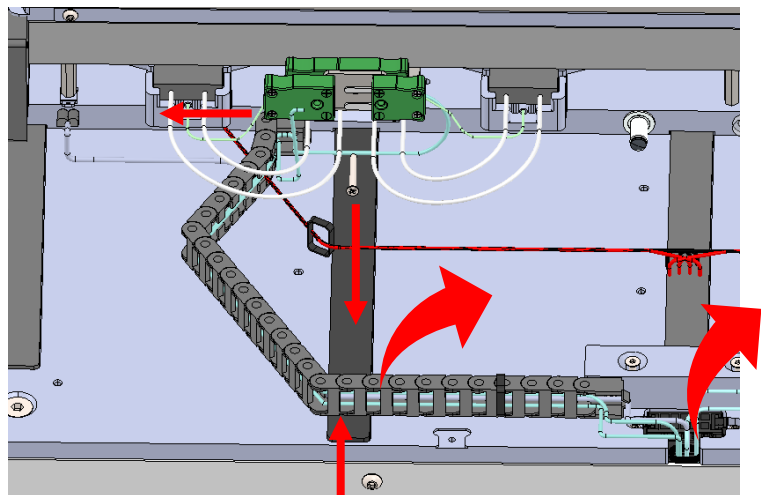
The plugs are numbered, as are the thermocouples. Pull out the plug of the defective thermocouple, loosen the screw and pull out the stranded wire.



In the case of thermocouples, it is not numbers but lines on the blue heat-shrink tubing that identify the thermocouple or heater.

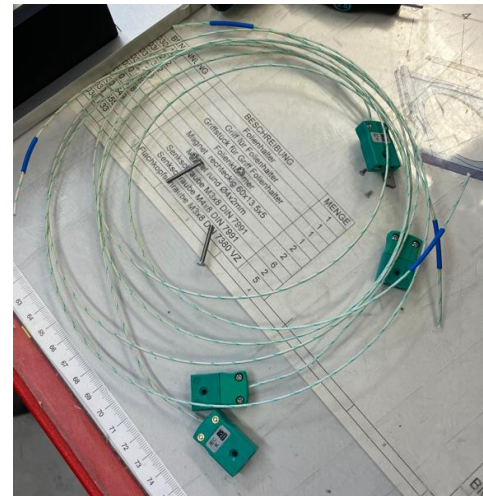
# Replacement thermocouple for main board 3030.840

- 7** From the other side of the appliance, pull out the plug of the defective appliance and loosen the screw beforehand.



Cable duct Through hole

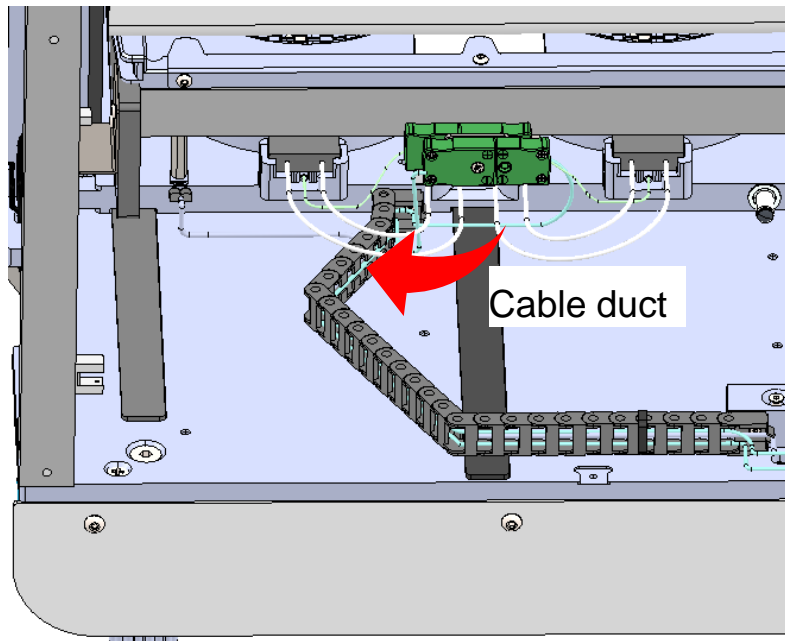
- 8** Carefully pull the thermocouple out of the cable duct and then pull it out of the through hole to the floor. Caution! Depending on the serial number, the 4 thermocouples are encased in a protective sheath – remove this first.



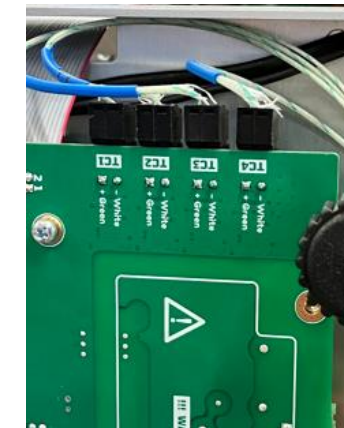
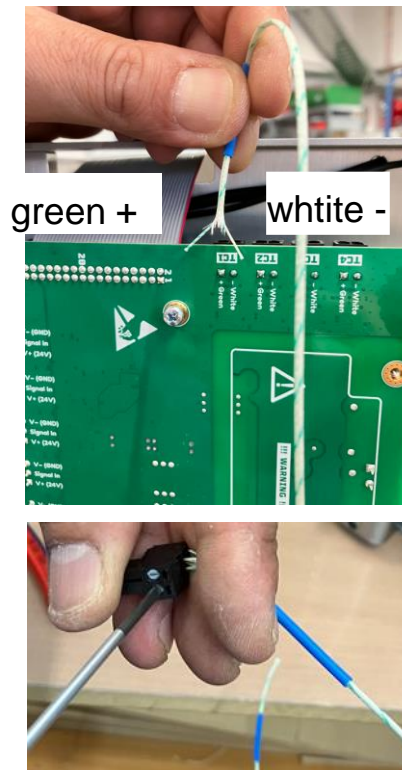
Get the new thermocouple 3030.840 ready.

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- 9 Insert the green plug into its counterpart and screw the screw back in. Insert the thermocouple into the cable duct from the side shown and carefully guide it down through the through-hole. If necessary, insulate the 4 thermocouples.



- 10 Run the thermal cable from the bottom to the circuit board, strip it, screw the stripped ends to the plug for the circuit board, and plug it into the circuit board.



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9

Replace the base plate and screw it to the side panels and the housing feet.

