

SERVICE INSTRUCTION

Conversion kit 9310224s, Ass. Heat tracing 8+8, packed

Models:

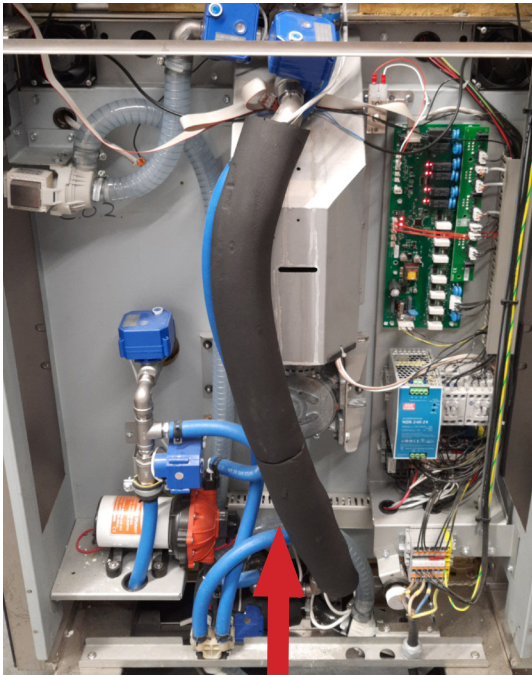
- TDR AC 7+7
- TDR AC 8+8

Grease drain heating modification instructions for improved heat transfer and reduce malfunctions.

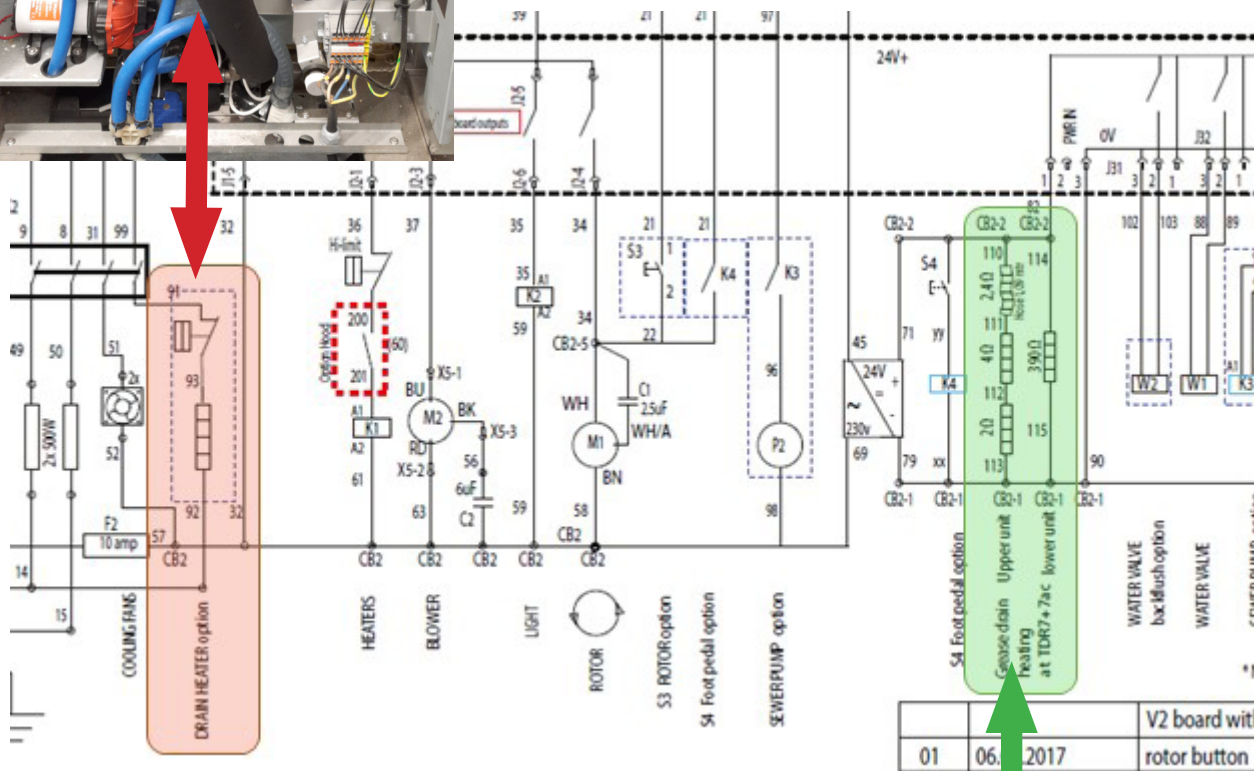
New parts to be mounted, all included in the kit.

1	9310825	Service wireset Heat tracing 8+8
1	9124648	instruction Heat tracing 8+8
1	2005894	Cable tie 1,6...50mm 360x4,7 mm black
1	9310224	Ass. heat tracing UL
1	9313055	Hose Fat drain 3/4" (8+8)
1	9314479	spark catcher (v4 8+8)
1	9292142	Box element
1	4302179	Bag 120x180mm





Old style 208-220V Grease drain heater



New style 24VDC Grease drain heater



Start conversion:

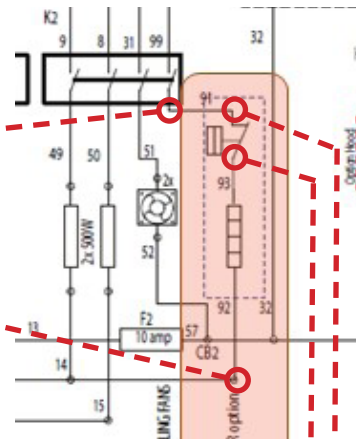
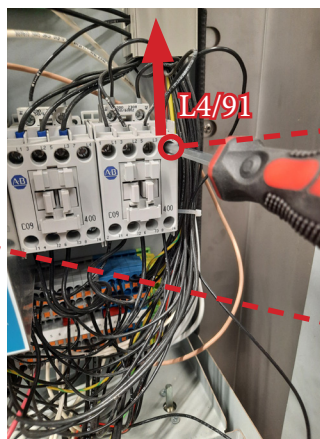
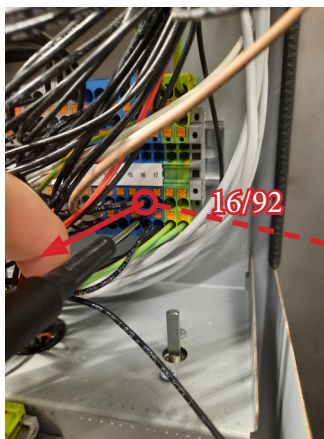
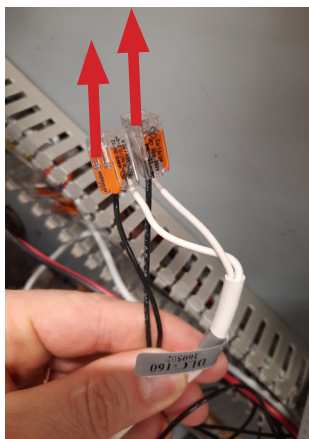
First disconnect the ovens from the mains/wall socket!

Remove the old style Grease drain heating system.

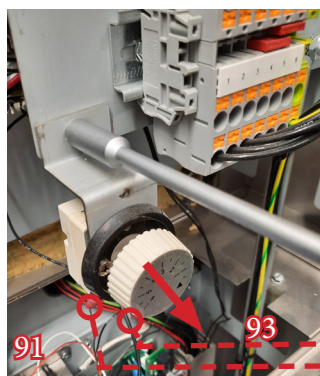
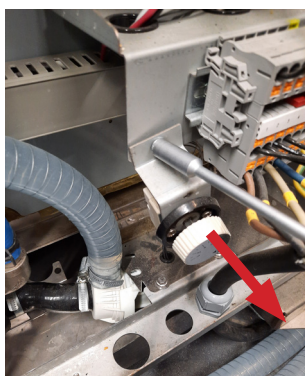
Cut and remove insulation from top and bottom drain.



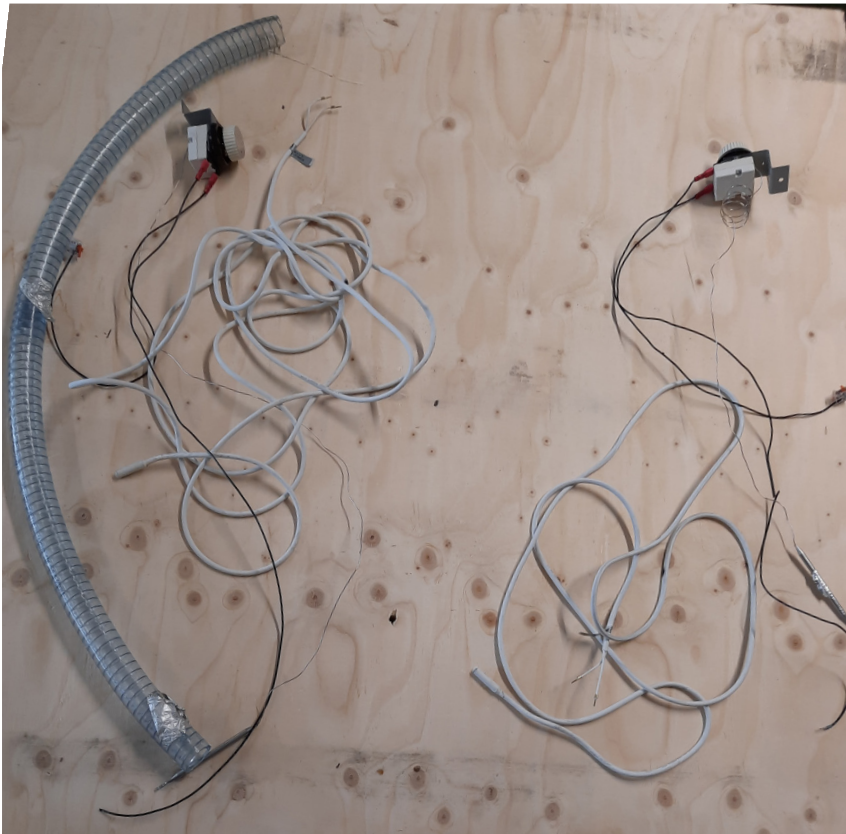
Disconnect heating wiring and remove it from both top and bottom unit.



Remove thermostat from top and bottom unit and the draintube including heating wire.



Old grease drain heating system removed from top and bottom unit.



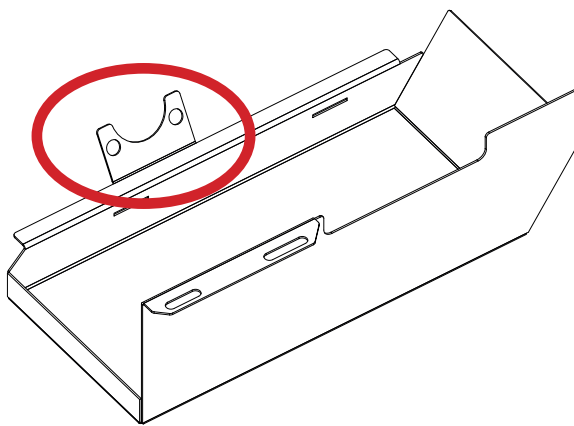
Mount new 24 VDC Grease drain heating system.

Note:

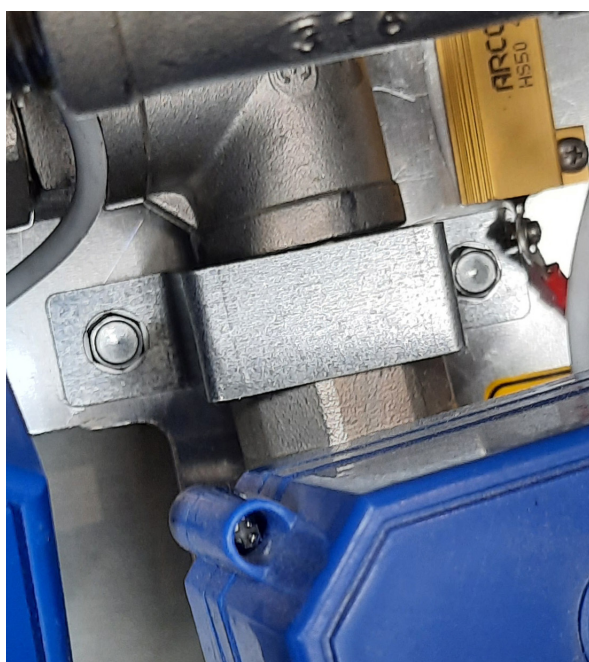
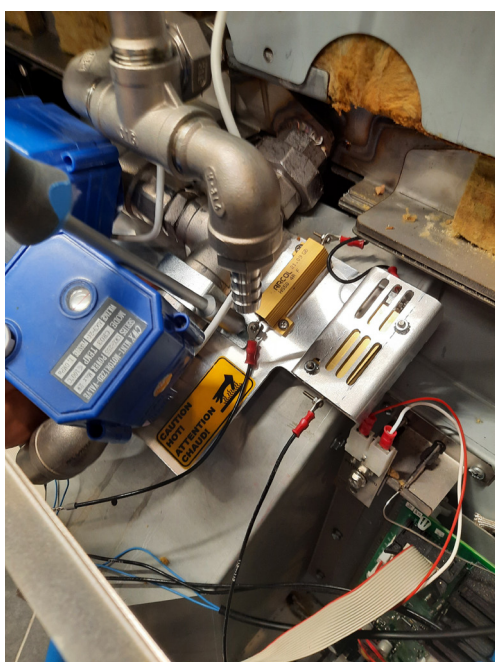
For easy acces you can temporary remove tubes and/or valves. Make sure to fit them back before reconnecting the oven to the mains

Verify if the oven has the tube support like shown on the picture below.

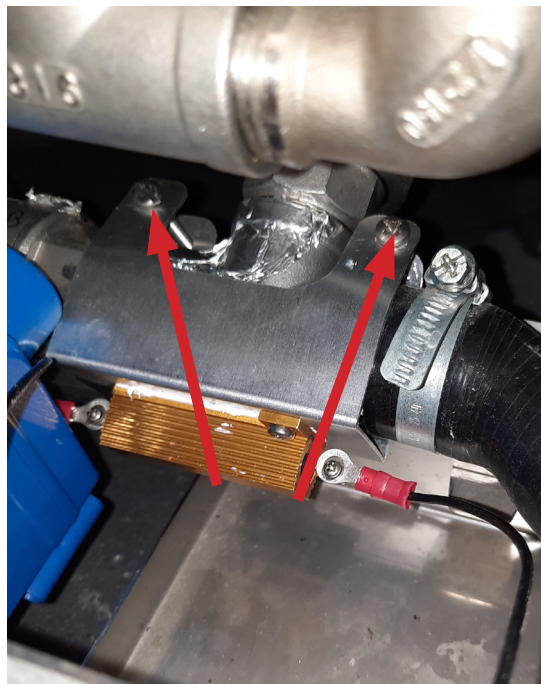
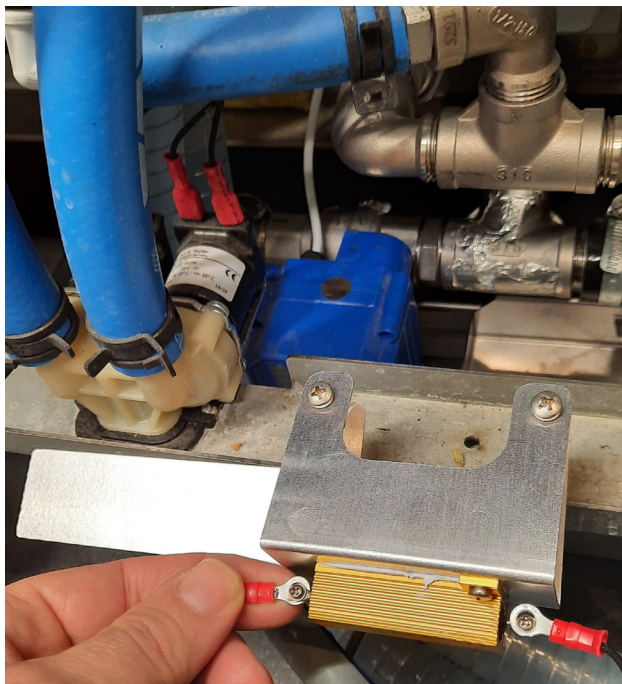
If not remove the bottom cover and replace it by the one provided in the kit.e in the kit (which has this support)



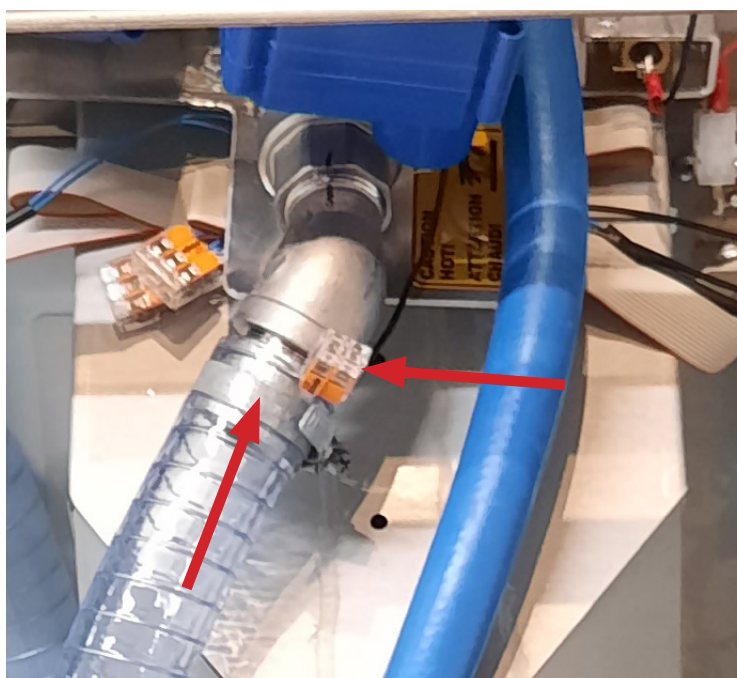
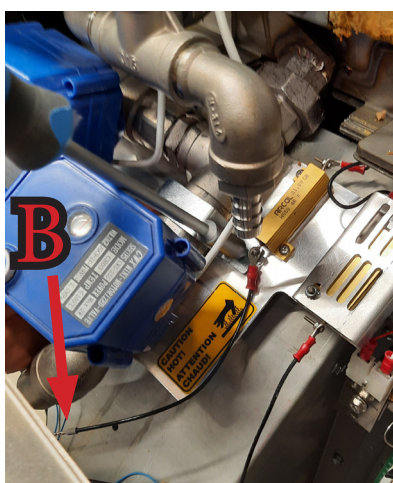
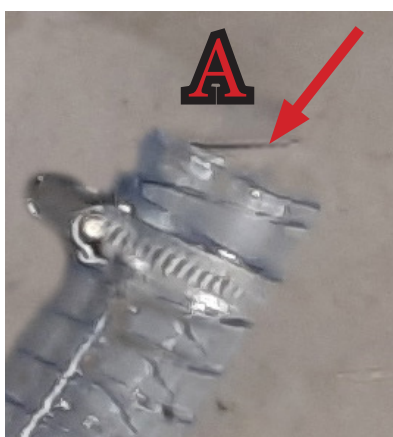
Install the top drain heating like shown below.



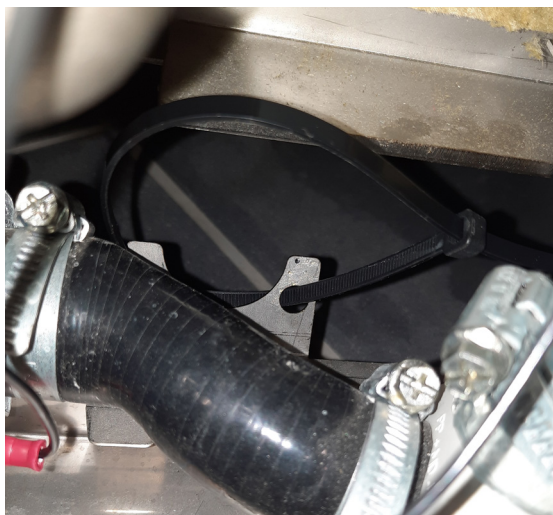
Install the bottom drain heating like shown below and fix it with the two M5 bolts and nuts.



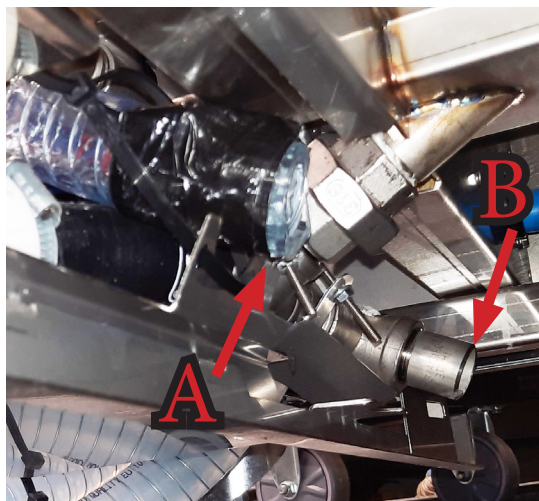
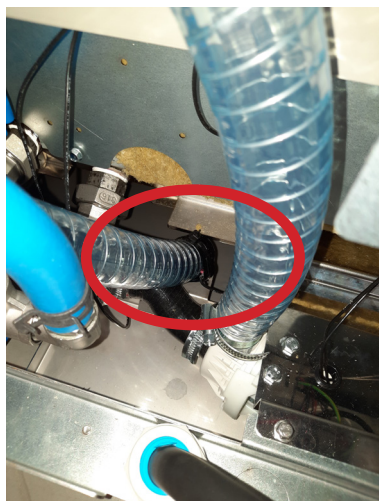
Place the heated drain tube and fix the top part with the hose clamp and connect the spiral (A) to the short wire from the top drain heating element (B) with the WAGO connector coming from the old system.



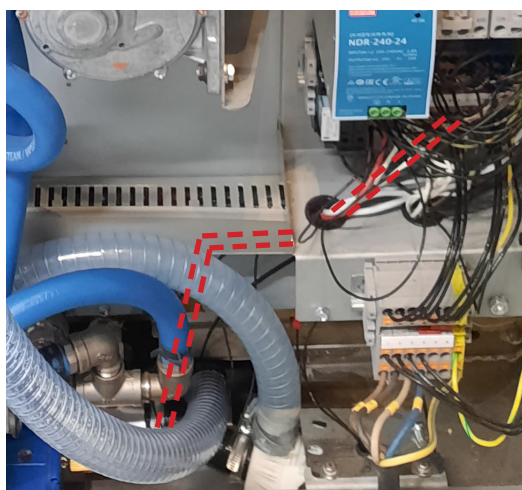
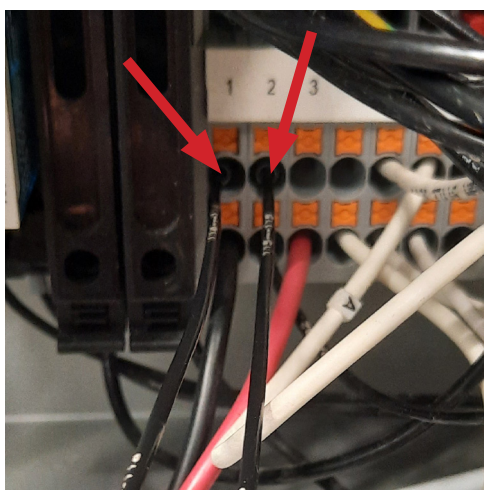
Place tiewrap through the two holes of the support like shown on the picture below.



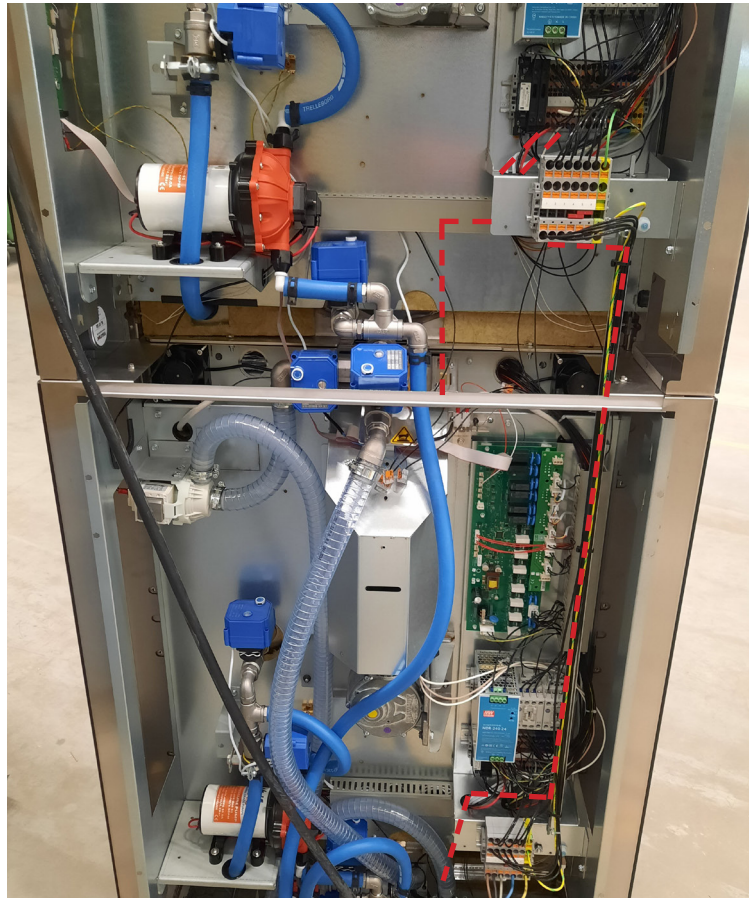
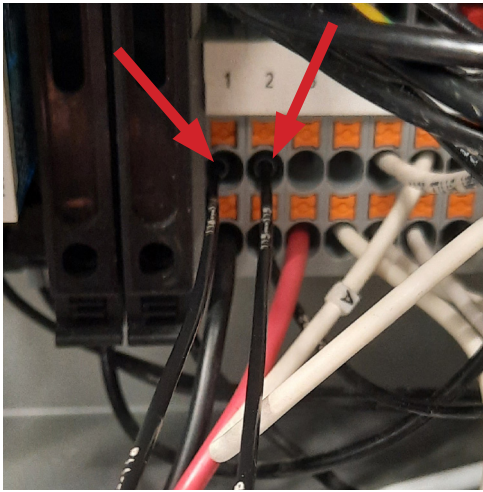
Place the hose through the tiewrap and make sure the tube end (A) is in line with the end of the pipe of the bottom drain (B) to make sure grease will fall in the grease tray. When in correct position tighten the tiewrap to fix the tube.



Connect the two leads of the bottom heating to the 24V DC power supply of the bottom oven via terminal block pos 1 (CB2-1) and pos 2 (CB2-2). Make use of existing cable gutter and holes to guide the leads to the connection block.



Connect the two leads of the top heating (one lead from the end of the tube, one lead from the heating assembly which is mounted on the valve) to the 24V DC power supply of the top oven via terminal block pos 1 (CB2-1) and pos 2 (CB2-2). Make use of existing cable gutter and holes to guide the leads to the connection block.



After following these steps make sure all connections have been done and check if it is safe to reconnect the ovens to the mains.

When the ovens are connected to the mains the 24VDC will be activated and the grease drain heating should start heating up.

Top heating system should draw between: 2.5 and 3 Amp. DC

Bottom heating system should draw between: 0.5 and 1 Amp. DC

