Vestfrost Solutions

Instructions

VLS054 SDD Corrective and Preventive Service

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Warning!

Before any repair job be aware of following!

WARNING:
Before servicing or cleaning the appliance, disconnect it from power source.

WARNING:
Danger risk of fire or explosion. Flammable refrigerant used. To be repaired only by trained personnel.

(R600a)

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Repair and preventive action in the field
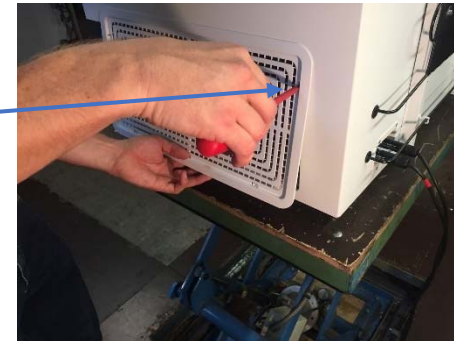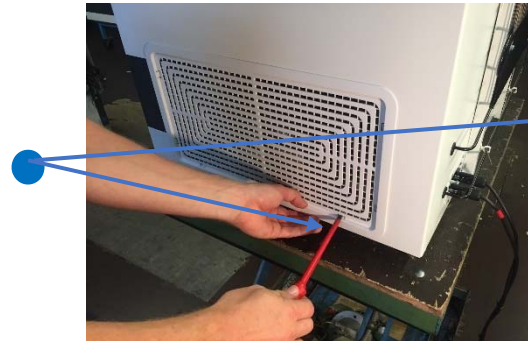
Use below order when performing the service upgrade

1. Thermostat repositioning

2. Sealing of cable guide – rubber grommet

After service has been completet, make sure the appliance is cleaned inside the vaccine compartment and outside.
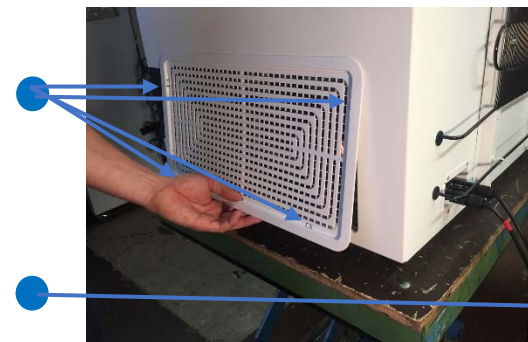
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Thermostat Repositioining

How to get acces to the motor compartment.

- Use a screwdriver to remowe grill

- Unluck all 4 clamps

- Pull the compressor grill

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Thermostat Repositioining

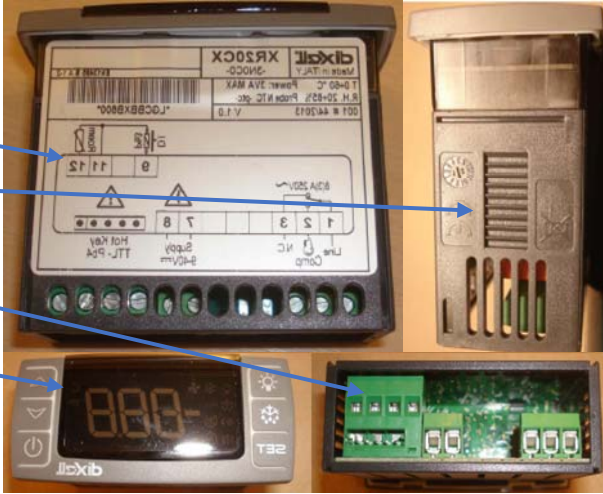The thermostat is placed in the left corner of the compressor compartment on the terminal bracket
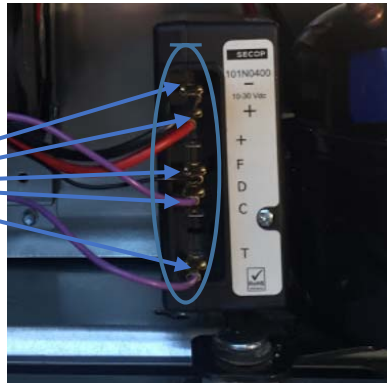

Top

Side
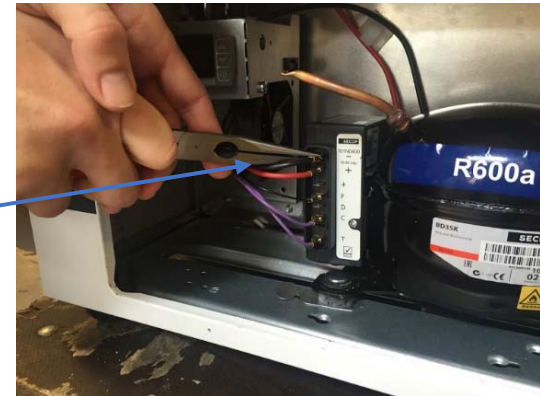
Back

Front/Screen

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Thermostat Repositioining
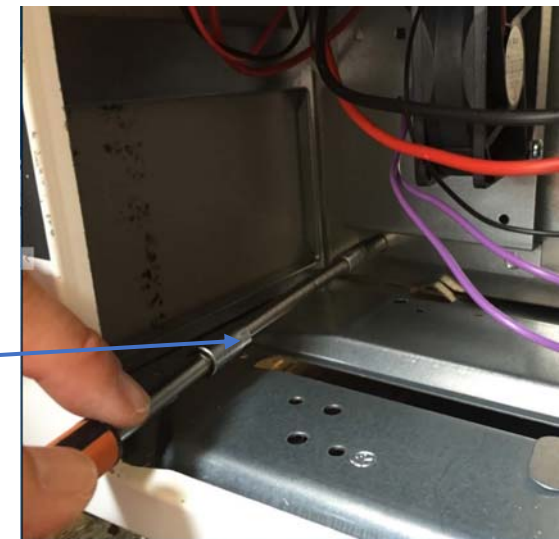

1: Dismount 5 wires from ECU

Use a nose plier to grab the wire socket and gently pull
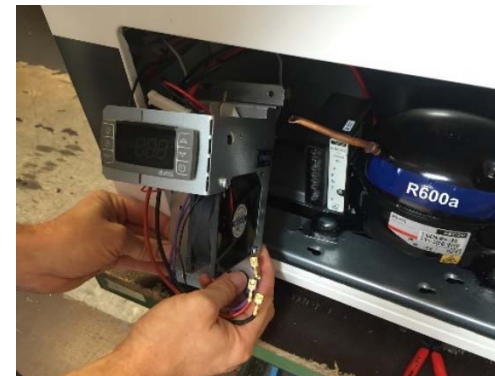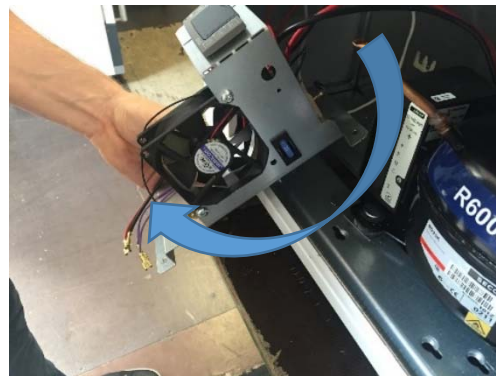
2: Loosen 4 screws for thermostat/fan bracket

Use the flexible socket wrench size 7mm
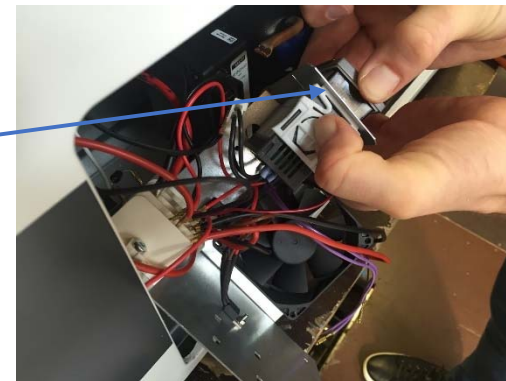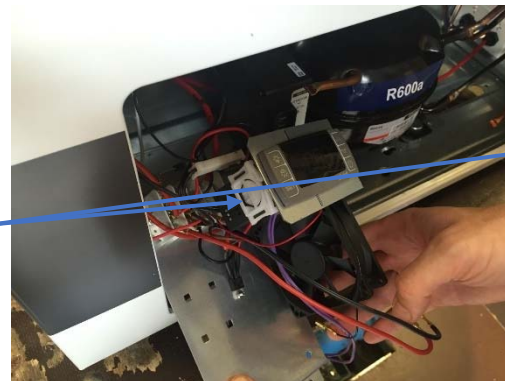
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Thermostat Repositioining

3: Gently pull out the thermostat bracket, by tilting out from bottom

4: Push clip on left and right side and pull out thermostat

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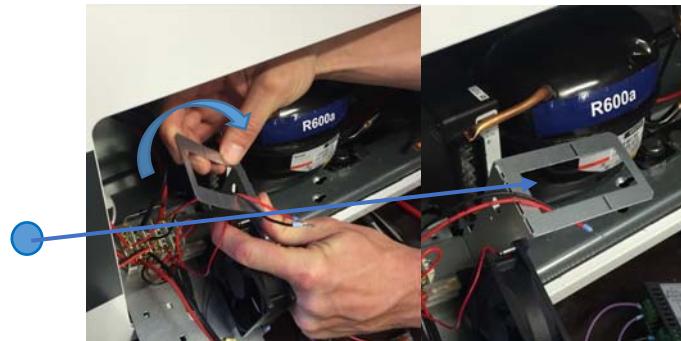SOLUTIONS

Thermostat Repositioining

5: Unplug connector for temperature probe
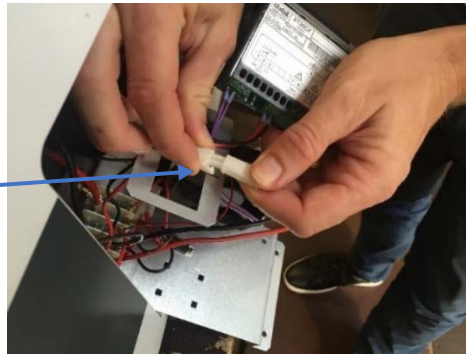
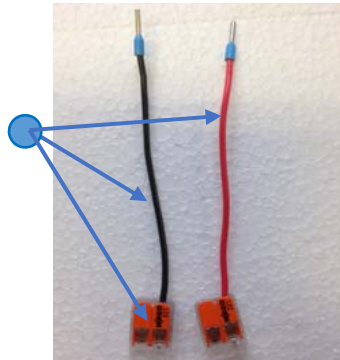6: Use a small screwdriver to loosen ONLY red and black power cables from thermostat socket.

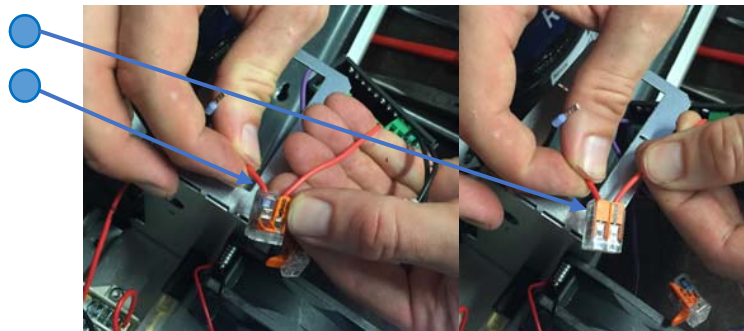6: Bend the bracket for thermostat to the right

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Thermostat Repositioining

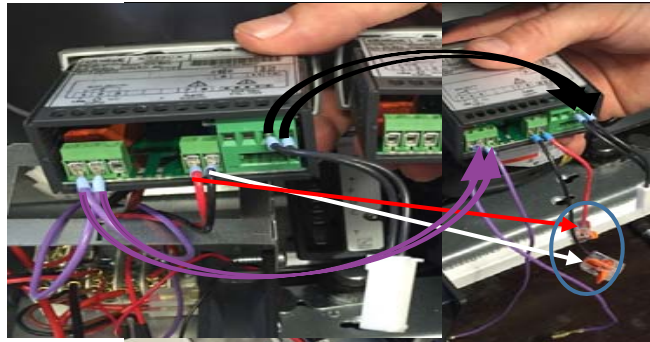7: Use the black + red wire and the plug & play cable joint, in order to extend the power wires

8: Open cable joint socket and connect red wire to red extension and black wire to black extension.

Thermostat Repositioining

9: Exchange the wires 2x purple wires and the 2x black sensor wires incl. socket 1/1 to new thermostat

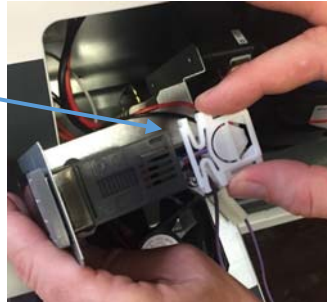10: Enter the wires into the thermometer bracket
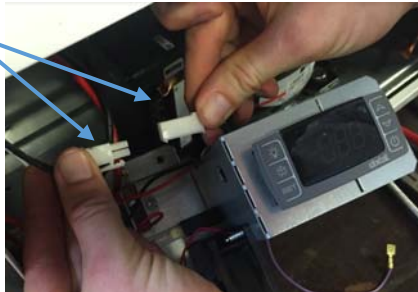

11: Place thermostat in bracket slot

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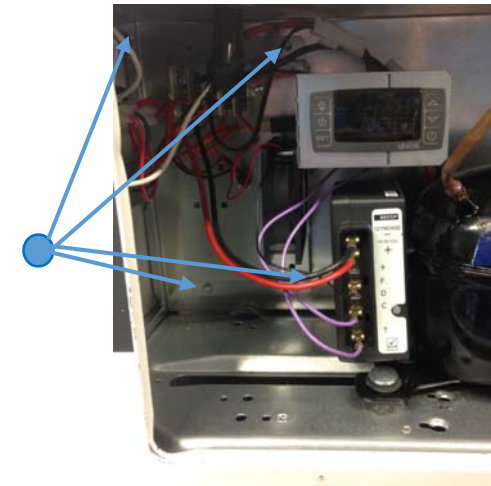
Thermostat Repositioining
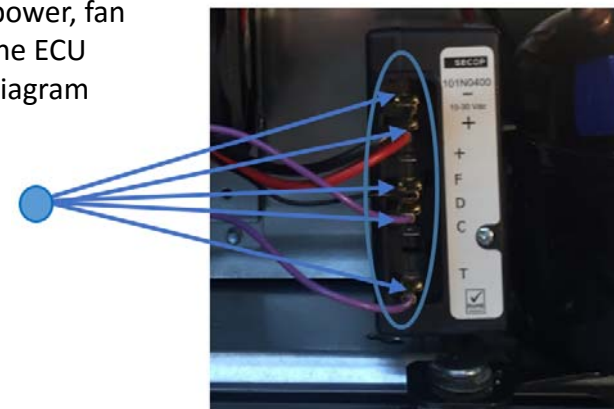
12: Mount the 2x clips

13: Connect cable joint for temperature sensor

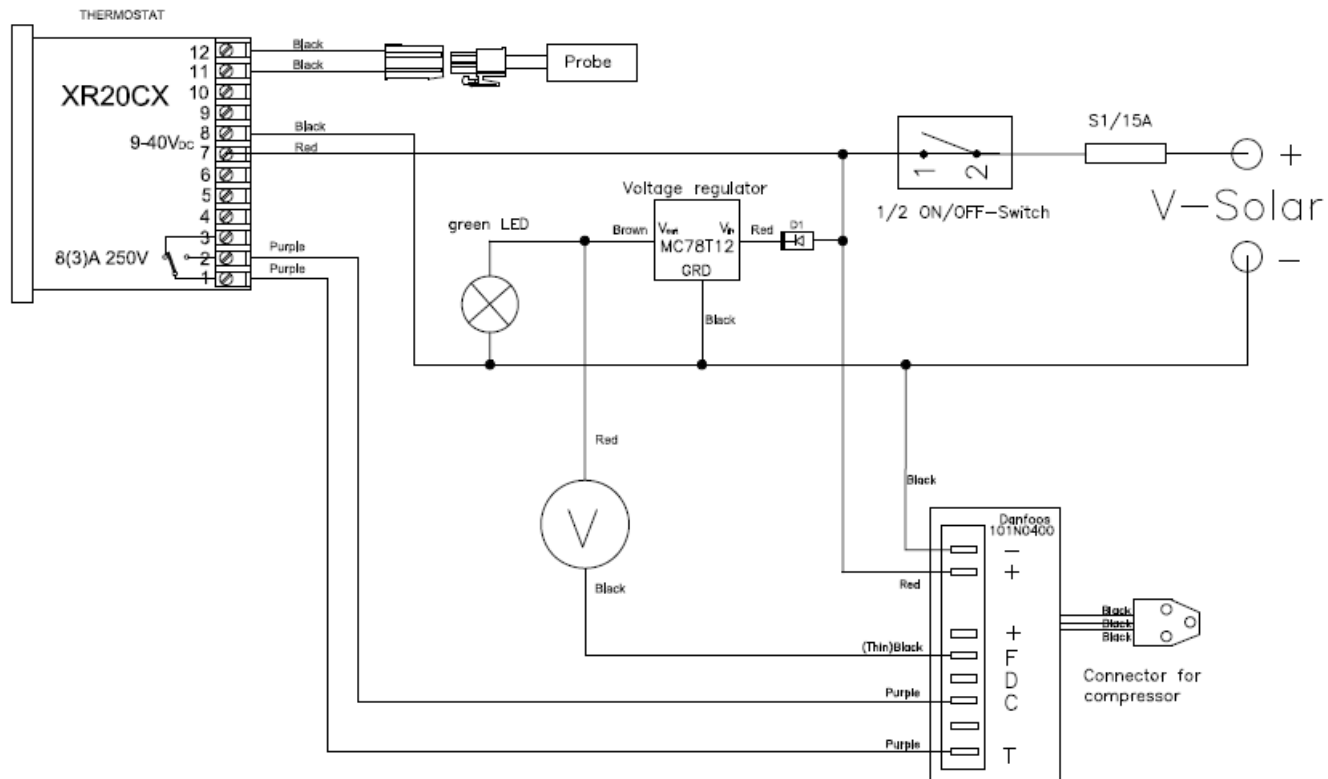14: Re-mount the fan/thermostat bracket using 4xscrews

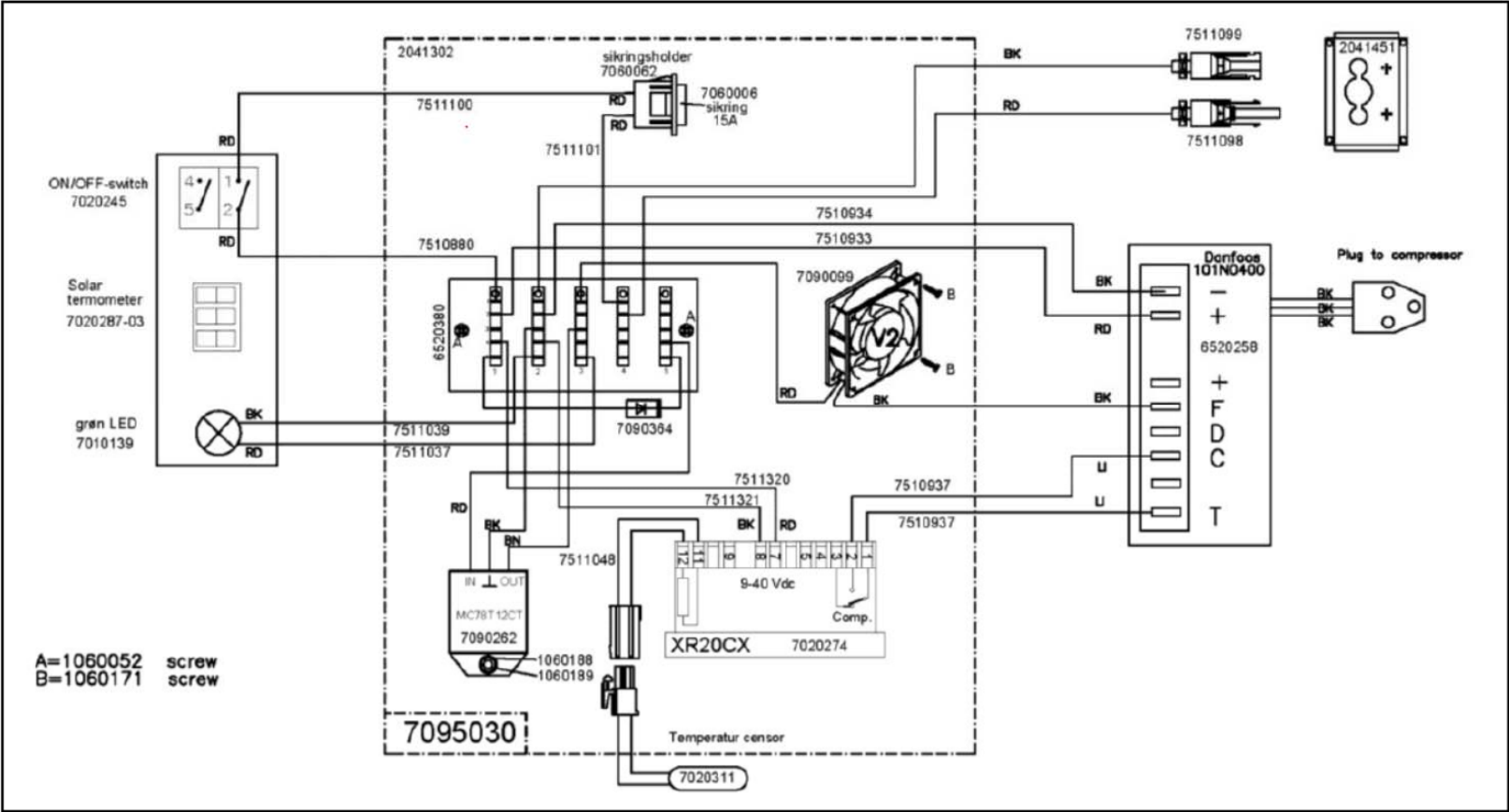15: Re-install the power, fan + signal wires in the ECU according wiring diagram

Thermostat Repositioining

Wiring Diagram Thermostat/ECU (Electronic Control Unit)

Complete wiring diagram

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Thermostat Programming

4. FRONT PANEL COMMANDS

SET: To display target set point; in programming mode it selects a parameter or confirm an operation.

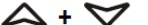❄ **(DEF)** To start a manual defrost

▲ **(UP)**: To see the max. stored temperature; in programming mode it browses the parameter codes or increases the displayed value.

▼ **(DOWN)** To see the min stored temperature; in programming mode it browses the parameter codes or decreases the displayed value.

⏻ To switch the instrument off, if onF = oFF.

☀ Not enabled

KEY COMBINATIONS:

|	
▲ + ▼	To lock & unlock the keyboard.
SET + ▼	To enter in programming mode.
SET + ▲	To return to the room temperature display.

6. MAIN FUNCTIONS

6.1 HOW TO SEE THE SETPOINT

SET 👉

1. Push and immediately release the **SET** key: the display will show the Set point value;
2. Push and immediately release the **SET** key or wait for 5 seconds to display the probe value again.

6.2 HOW TO CHANGE THE SETPOINT

1. Push the **SET** key for more than 2 seconds to change the Set point value;
2. The value of the set point will be displayed and the "**°C**" **or** "**°F**" LED starts blinking;
3. To change the Set value push the ▲ or ▼ arrows within 10s.
4. To memorise the new set point value push the **SET** key again or wait 10s.

6.4 HOW TO CHANGE A PARAMETER VALUE

To change the parameter's value operate as follows:
1. Enter the Programming mode by pressing the **Set** + ▼ keys for 3s (the "**°C**" **or** "**°F**" LED starts blinking).
2. Select the required parameter. Press the "**SET**" key to display its value
3. Use "**UP**" or "**DOWN**" to change its value.
4. Press "**SET**" to store the new value and move to the following parameter.

To exit: Press **SET** + **UP** or wait 15s without pressing a key.

NOTE: the set value is stored even when the procedure is exited by waiting the time-out to expire.

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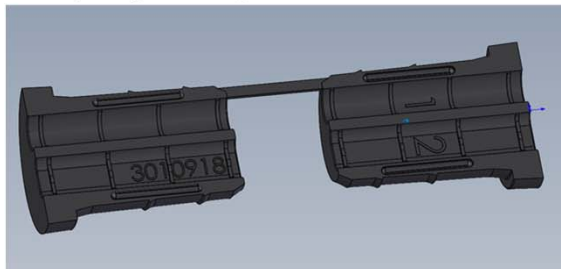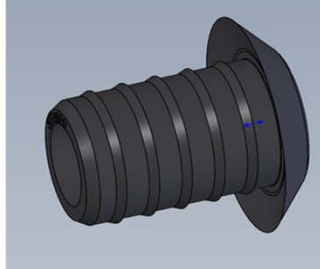# Mounting of rubber grommet

Kit consist of:

Tool:
- Screwdriver (TX10)

Parts (in kit):

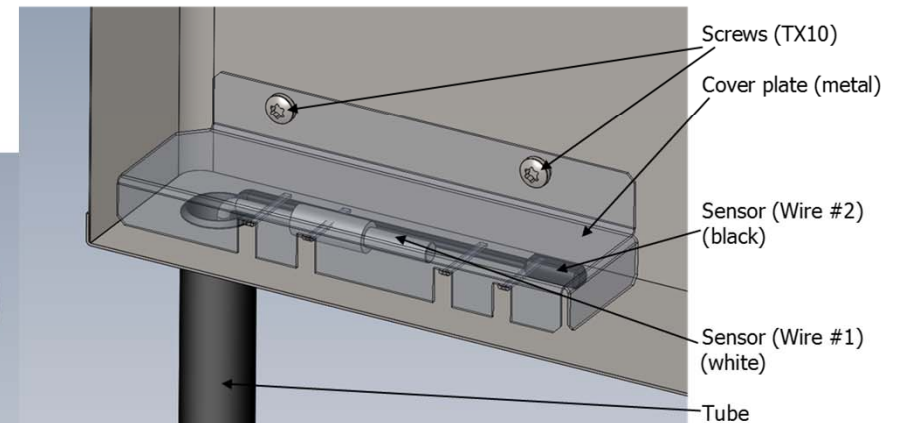- 2 pcs. rubber seals. (illustrated below)
- Wet tissues

Inner part (3010918)

Outer part (3010919)

As Today

Screws (TX10)

Cover plate (metal)

Sensor (Wire #2) (black)
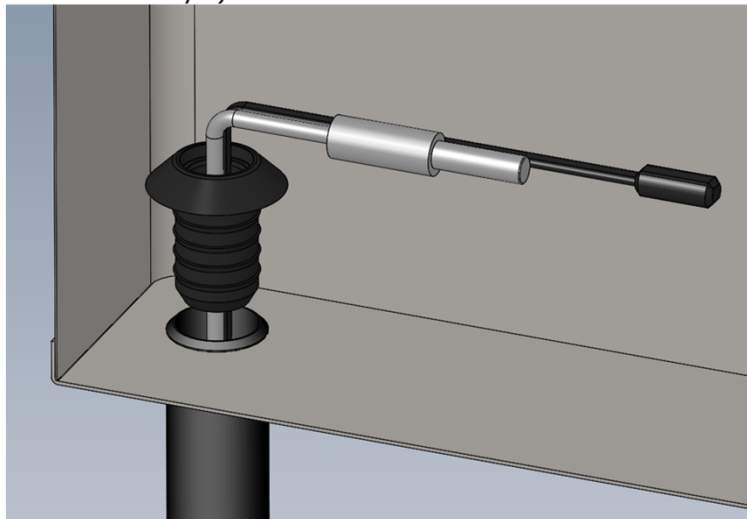
Sensor (Wire #1) (white)

Tube

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Mounting of rubber grommet

Step #2:
Insert both sensor wires into the rubber seal trough the center hole. (Do NOT mount the seal
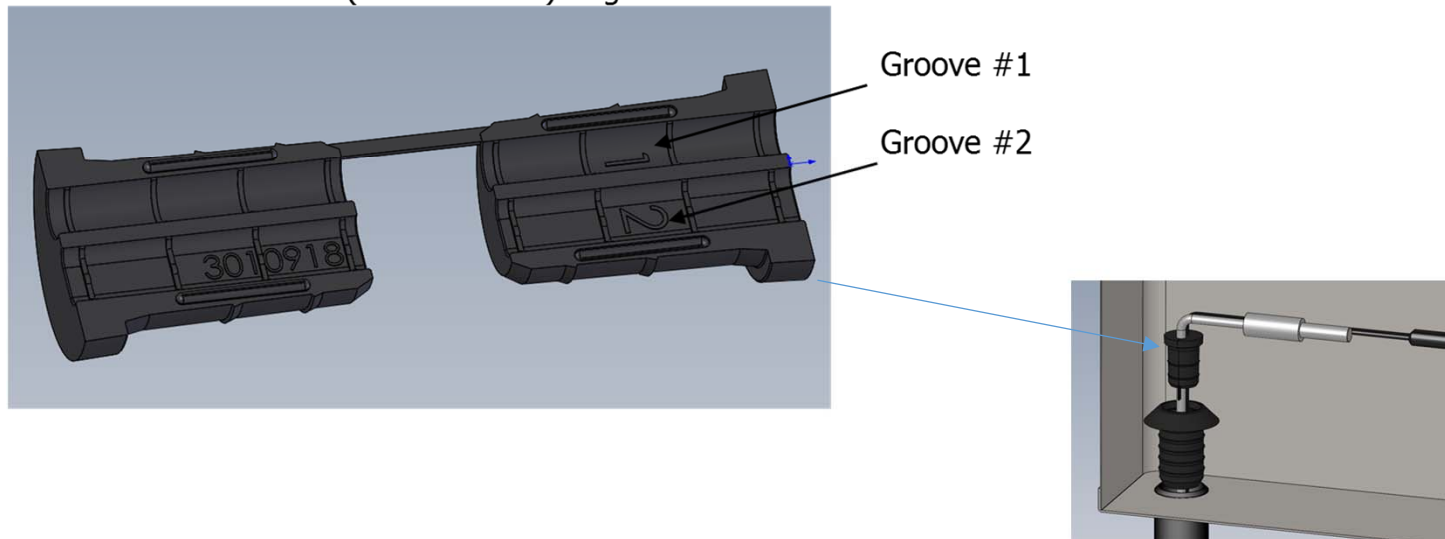into the tube – yet)

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Mounting of rubber grommet

Step #3:

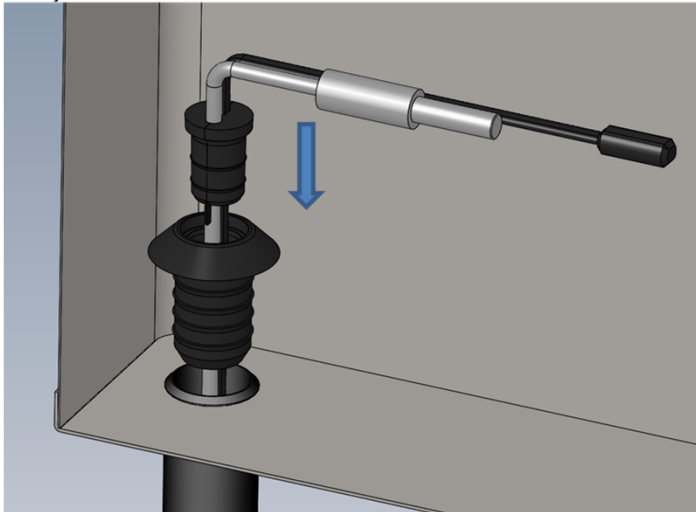Mount both sensors into the inner rubber part
- Note that both sensors have their unique placement in the part.
    - White sensor (wire #1 - round) in groove #1
    - Black sensor (wire #2 - flat) in groove #2

Groove #1

Groove #2

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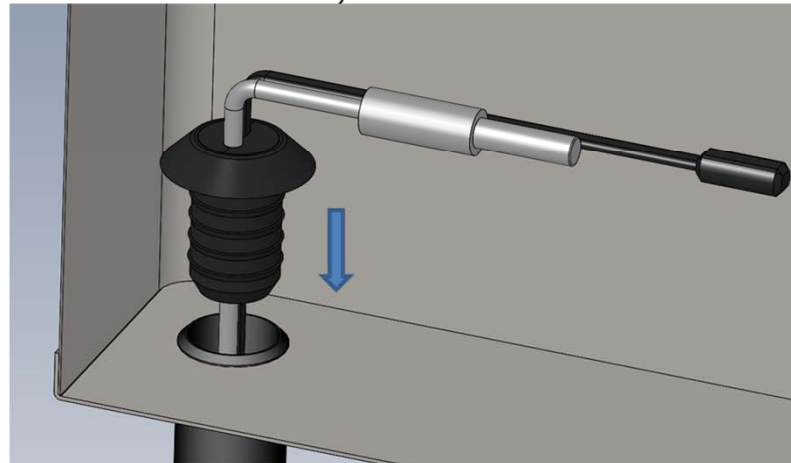*SOLUTIONS*

Mounting of rubber grommet

Step #4:
Mount the inner part with wires into the outer rubber part. (BEFORE it's mounted into the tube)

Step #5:
Mount the rubber seal into the tube until it has good contact with the bottom plate. (this create a seal around the tube.)

Installing rubber grommet

Step #6:
Replace both sensors into the cover plate as before.
Mount the cover back with the 2 screws (use the screwdriver)

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