

DOMETIC REWORK KIT SERVICE MANUAL

Equipment Included: Please check below

Recommended Tools:

Work gloves,
Screwdriver with bit attachment
Allen 3mm bit
Torx 25 Bit
Screwdriver Cross H2
Side cutter
Long nose plier

Time Required: 35 Min

Recommended number
of people:

1

Product Suitable For: SPX1200T

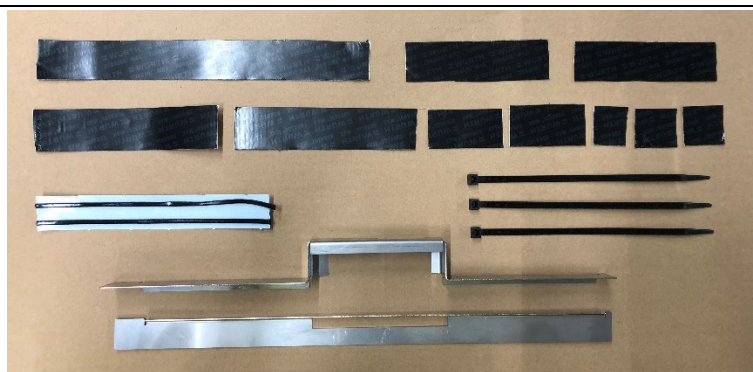
RELATED DOCUMENTS

You find this service manual in more languages online at
<https://documents.dometic.com/search/?query=SPX1200T+REWORK+KIT+EMEA>



EQUIPMENT INCLUDED

- 1 pcs. Sealing tape 240x30mm
- 2 pcs. Sealing tape 130x30mm
- 2 pcs. Sealing tape 110x30mm
- 2 pcs. Sealing tape 55x30mm
- 3 pcs. Sealing tape 30x30mm
- 2 pcs. Sealing round cord, length each: 160mm
- 3 pcs. Cable tie, length: 150mm
- 1 pcs. Water barrier_front
- 1 pcs. Water barrier_back
- 10 pcs. Fastening screws for fixation of outer housing (not shown)



STEP 1: PREPARE THE UNIT FOR REWORK

Disassemble Outer housing

1. Release the 10 fastening screws and disassemble the top cover.



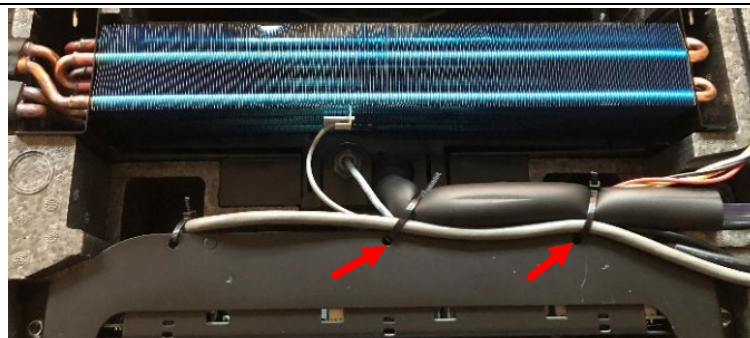
Disassemble EPP top cover

1. Release the EPP top cover above the evaporator carefully by starting at the evaporator inlet and then unlocking the lid counterclockwise along the edge.



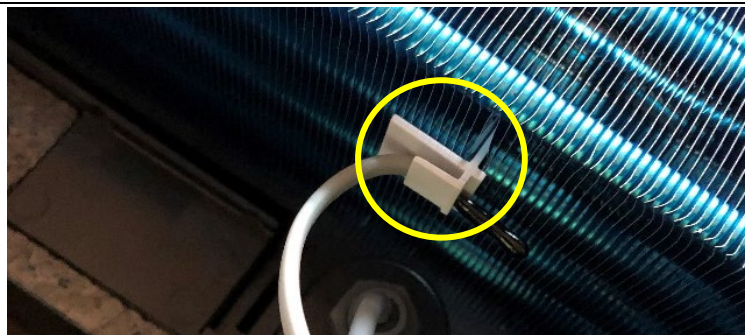
Loosen cable fixings

1. Carefully cut the marked cable ties.



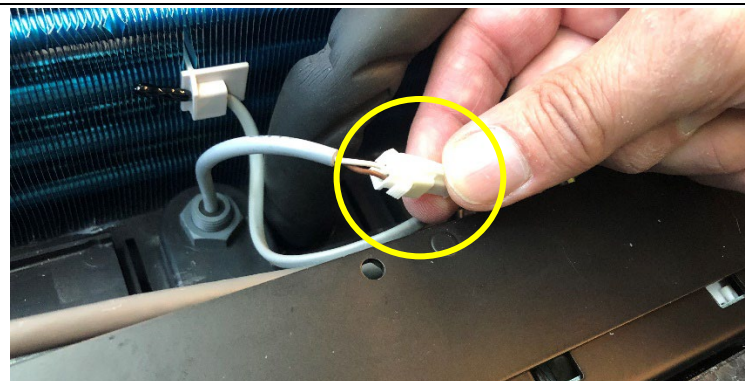
Disassemble temperature sensor

1. Carefully remove the marked plastic clip with the temperature sensor from the evaporator.



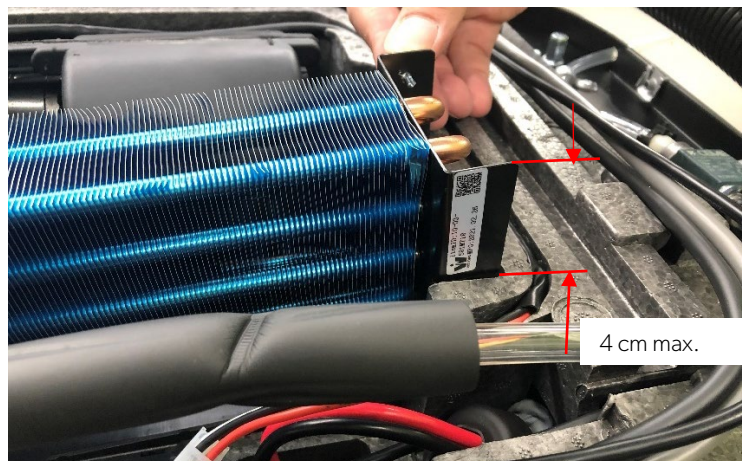
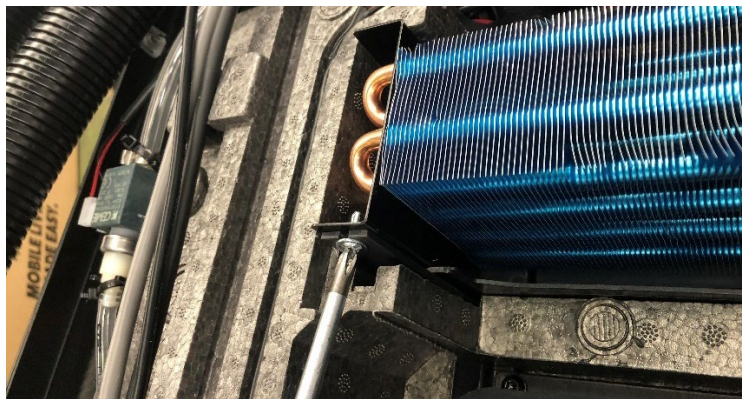
Disconnect water level sensor

1. Carefully disconnect the water level sensor.



Lift the evaporator on one side

1. Loosen the two screws that fix the evaporator left and right.
2. Carefully lift the evaporator at the right side to a maximum of 4 cm as shown.



STEP 2: SEALING OF THE SUPPORT SURFACES

Sealing at the back of the evaporator

1. Carefully lift the plastic bracket below the evaporator as shown.
2. Apply one piece of the 13 cm long butyl round cord from below into the groove of the plastic support so that on each side approx. 3 cm of this butyl round cord protrudes as shown.



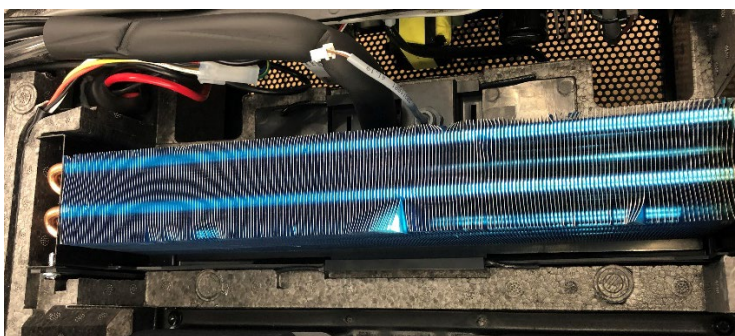
Sealing in front of the evaporator

1. Carefully lift the plastic bracket below the evaporator as shown.
2. Apply the other piece of the 13 cm long butyl round cord from below into the groove of the plastic support so that on each side approx. 3 cm of this butyl round cord protrudes as shown.



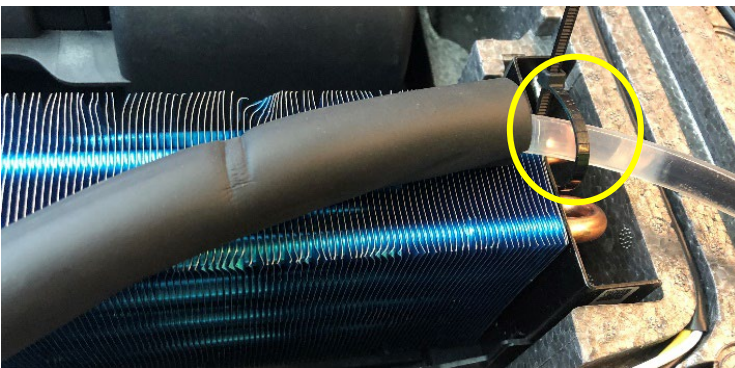
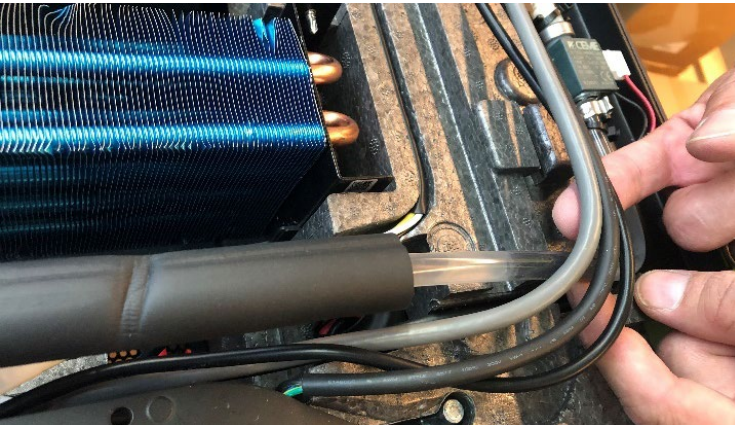
Assembly of plastic bracket and evaporator

1. Carefully assemble the plastic bracket at its original position below the evaporator and press onto the edges where the butyl round cord is below of to seal this area.
2. Bring back the evaporator to its original position and fix it with the two screws left and right.



Loosen the water hose

1. Carefully lift the condensate water hose and fix it to the evaporator with a cable tie as shown so that there is more free space when inserting the sheet metals.



STEP 3: SEALING ON THE BACK OF THE EVAPORATOR

Preparing the sheet metal for the backside

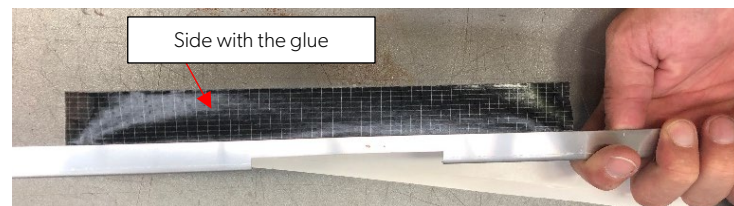
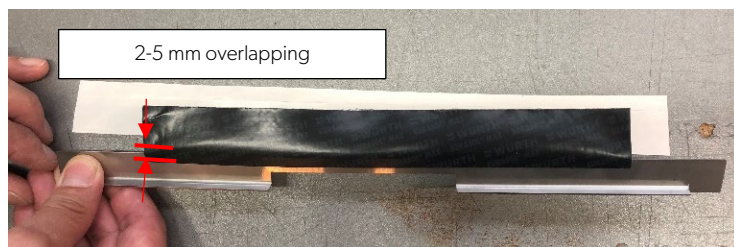
1. Glue the 24 cm long stripe of the sealing tape centered at the inside of the straight sheet metal as shown. The overlapping shall be between 2 and 5 mm.

Caution!



Do not touch the sheet metal parts without wearing work gloves as the acidic hand sweat etches the fingerprints even into stainless steel surfaces and to avoid injuries.

Before gluing check the correct orientation of the part and the positioning of the sealing tape. The gluing must be done carefully to ensure that the gaps are closed, and no water can splash through.



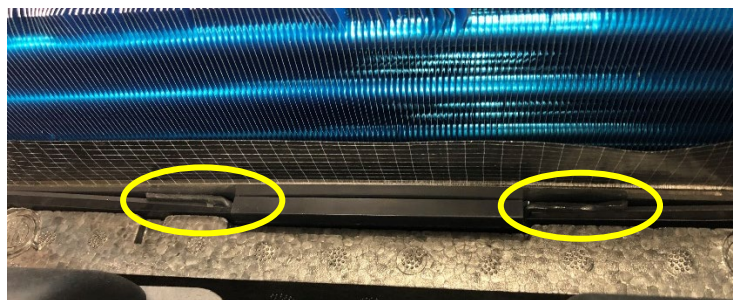
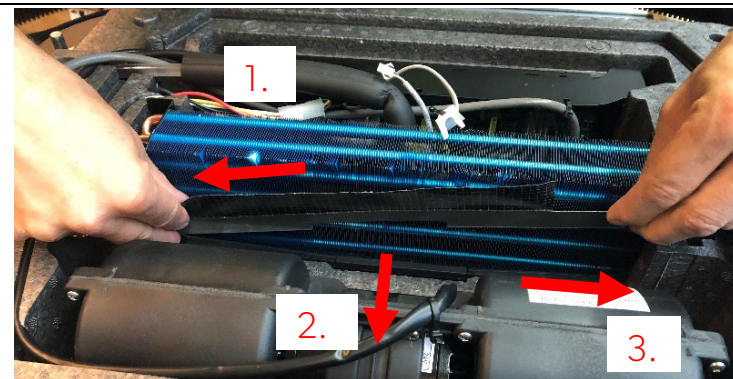
Assembling of the sheet metal for the back side

1. Assemble the sheet metal at the back of the evaporator at the inside of the plastic water basin as shown.
2. To do this insert the metal sheet first at the left side between the plastic wall and the metal bracket of the evaporator (1.)
3. To check: Correct orientation of the part is when the 2 short bends left and right of the sheet metal are at the bottom and point in the direction of the evaporator.
4. Move the sheet metal down (2.) and at the same time move it to the right (3.) until it fits in the yellow marked area.
5. Glue the protruding ends of the butyl round cord to the sheet metal as shown to close the gap in this area.

Caution!

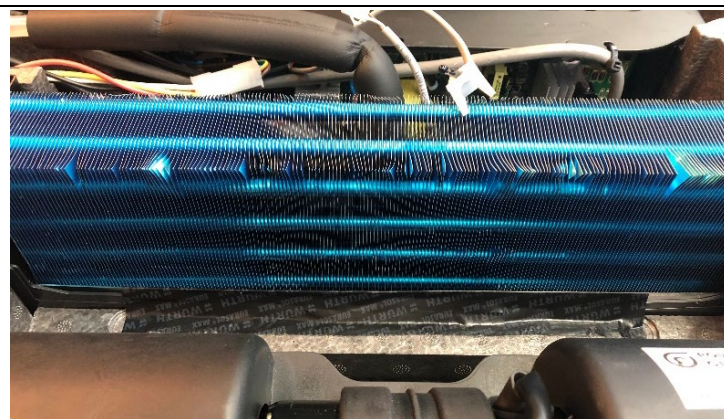


Before gluing check the correct orientation of the part and the positioning of the sealing tape. The gluing must be done carefully to ensure that the gaps are closed, and no water can splash through.



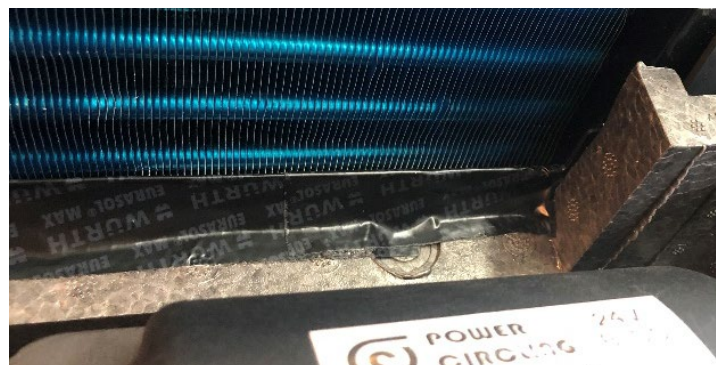
Sealing in the middle with the sealing tape

1. Press the sheet metal to the plastic wall, fold down the sealing tape and glue it to the plastic and EPP part as shown.



Sealing left and right with 2 other sealing tapes

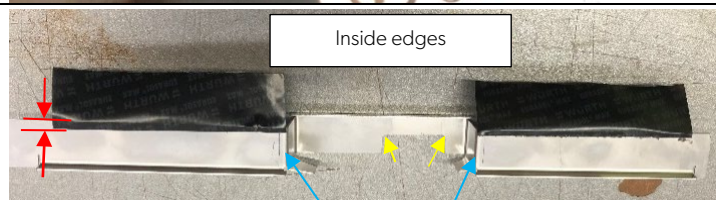
1. Use the 2 pcs. of 5,5cm long sealing tapes to seal the gap between the sheet metal and the plastic wall at the left and the right in the same way as shown.



STEP 4: SEALING IN FRONT OF THE EVAPORATOR

Preparing the sheet metal

1. Glue 2 pcs. of the 11cm long stripes of the sealing tape at the other sheet metal part as shown. The overlapping shall be between 2 and 5mm and the sealing tape shall be positioned at the inside edges of the sheet metal (blue arrow).



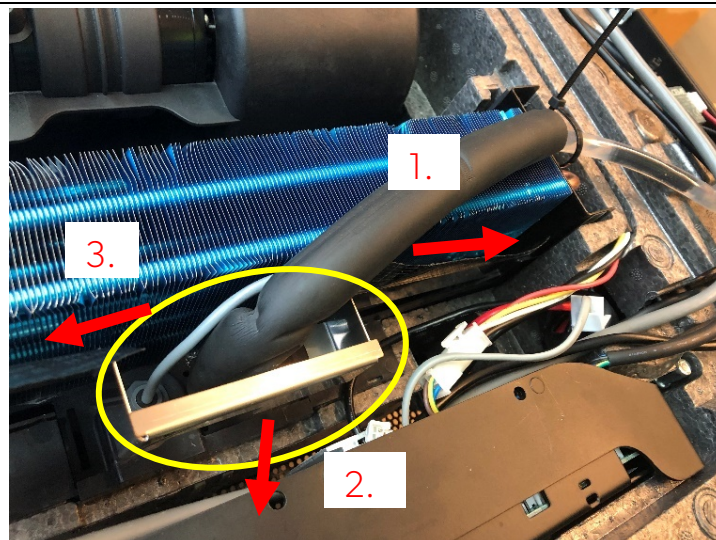
Assembling of the front-sheet metal

1. Assemble the sheet metal in front of the evaporator at the inside of the plastic water basin as shown.
2. To do this insert the sheet metal first at the right side between the plastic wall and the metal bracket of the evaporator (1.)
3. Move the sheet metal down (2.) and at the same time move it to the left (3.) until it fits in the yellow marked area.

Caution!



Before gluing check the correct orientation of the part (correct position of the cut out marked with the yellow arrow) and the positioning of the sealing tape. The gluing must be done carefully to ensure that the gaps are closed, and no water can splash through.



Sealing with the 2 protruding ends left and right

1. Glue the protruding ends of the butyl round cord to the sides of the sheet metal as shown to close the gap in this area between the sheet metal and the plastic water basin.



Caution!

Before gluing check the correct orientation of the part and the positioning of the sealing tape. The gluing must be done carefully to ensure that the gaps are closed, and no water can splash through.



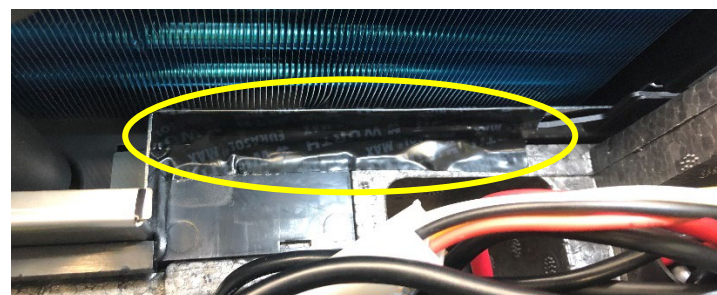
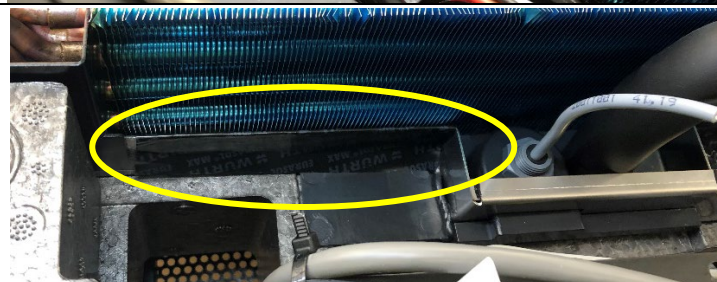
Sealing with the 2 pre-glued sealing tapes left and right

1. Press the sheet metal to the plastic wall, fold down the sealing tape and glue it to the plastic and EPP part as shown (at the left and the right side).



Caution!

Before gluing check the correct orientation of the part and the positioning of the sealing tape. The gluing must be done carefully to ensure that the gaps are closed, and no water can splash through.



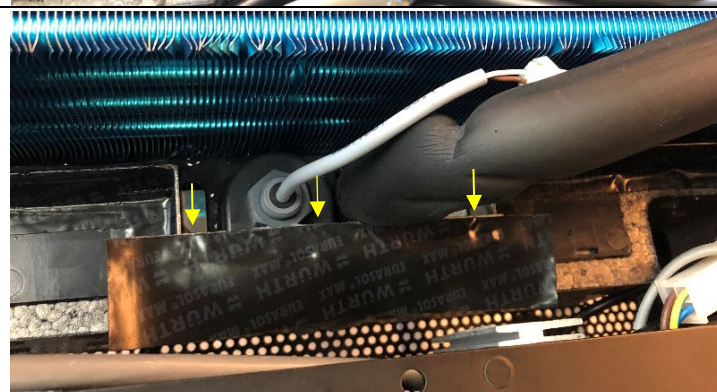
Sealing in the middle at the top

1. Glue one of the 13 cm long stripes of the sealing tape centered at the front of the sheet metal as shown. Position it at the edge of the bending (yellow arrow).
2. Press the sheet metal down to the plastic part, fold down the sealing tape and glue it to the plastic and EPP part as shown.



Caution!

Before gluing check the correct positioning of the sealing tape. The gluing must be done carefully to ensure that the gaps are closed, and no water can splash through.

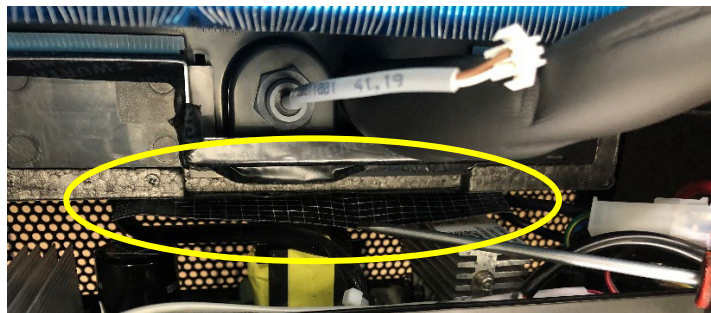


Sealing in the middle at the bottom

1. Glue the other pcs. of the 13 cm long stripes of the sealing tape at the EPP part as shown. The overlapping shall be between 5 and 8 mm and the sealing tape shall be positioned centered.
2. Fold the sealing tape down and glue it to the EPP part and the other sealing tape that was glued before.

Caution!

Before gluing check the correct positioning of the sealing tape. The gluing must be done carefully to ensure that the gaps are closed, and no water can splash through.



Sealing of the side walls with the sealing tapes

1. Use 2 pcs. of 3cm long sealing tapes to seal at the sides of the sheet metal the gap between the plastic part and the metal sheet as shown.

Caution!

Before gluing check the correct positioning of the sealing tape. The gluing must be done carefully to ensure that the gaps are closed, and no water can splash through.



Sealing of the right side with the last sealing tape

Use 1 pcs. of the 3 cm long sealing tapes to seal the gap between the sheet metal and the plastic wall at the right side of the sheet metal.

Caution!

Before gluing check the correct positioning of the sealing tape. The gluing must be done carefully to ensure that the gaps are closed, and no water can splash through.

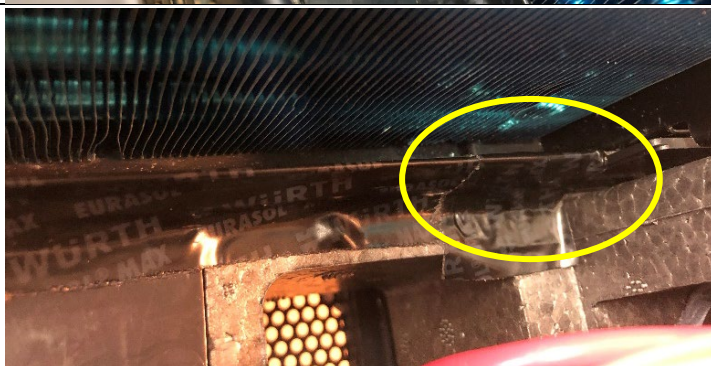
2. When the sheet metals with the plastic part are completely sealed follow the working steps on page 1 & 2 in the reverse order and use the new screws to fix the outer housing.

Caution!

Place the plastic clip with the temperature sensor at the same position at the evaporator (Page 2).

Make sure the cables do not touch any components on the control PCB (heat sink, etc.) and that the cable of the water level switch will not touch the edge of the sheet metal after reconnection.

Check whether the condensate hose and cables are routed and fixed at the same (correct) position.



NOTICE: When reassembling the unit make sure that no cables are pinched and all lose parts (cable tie residues, etc.) are removed from the system.

Check the function in a concluding test run.