

Moisture formation on middle and lower cross bars of Combi Bottom in high ambient humidity

DESCRIPTION:

The appliances in subject are involved in the problem of moisture formation on the middle and lower cross bars of the freezer compartment.

This phenomenon has following potential root causes:

1. Very high ambient humidity (over 80 % RH)
2. Lower setting of internal compartment (fridge and freezer)
3. Bad contact of anti-moisture pipe to the metallic cross bar



SOLUTION:

Increase the surface temperature of the cross bars by changing the position of the anti-moisture pipe on the refrigerant circuit.

Rear view of combi bottom models before the operation.
The compressors could be standard of with electronic board
Model: Does not matter in this issue



The involved joints to be open are the following:
Compressors - condenser
Anti-moisture pipe - filter



1



2



1. Open the refrigerant circuit for the gas evacuation.

! Follow the current regulations for the gas evacuation

2. Detach the filter from the anti-moisture pipe by the brazing flame of the cutter device according to the current technology used in service.

3



4



3. Detach the condenser pipe from compressor discharge pipe then braze it with the pipe cutter device - according to the current technology used in service.

4. Clean the compressor's discharge pipe from residuals .Connect the anti-moisture pipe to the compressor's discharge pipe. Braze or use locking joint according to the current technology used in service.

5



5. Adapt the free length of condenser extremity to have the filter in upright position inside the recess of the compressor (see picture 7).

Clean the part to be cut from the paint.

6



7



6. After cutting, clean the cut extremity of the condenser from the metallic and paint residuals.

7. Bring a new filter. Connect the new filter to the prepared extremity of the condenser pipe.

Braze or use locking joint -according to the current technology used in service.

8



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8. Final configuration of pipe after operation

9. In case of damper presence on condenser pipe before the operation, put the damper on anti-moisture pipe after the operation.

After vacuum and gas leakage detection process, charge the refrigerant circuit by the same charge reported on the rating plate of the appliance

MODELS INVOLVED:

PNC	
925500xxx	From start of production
925501xxx	From start of production
925503xxx	From start of production
925504xxx	From start of production
925505xxx	From start of production
925506xxx	From start of production
925511xxx	From start of production
925512xxx	From start of production
925513xxx	From start of production
925514xxx	From start of production
925515xxx	From start of production

REVISION:

Revision	Date	Description	Author	Approved by - on
00	11/2016	Document Creation	Zsuzsanna Mihalik	19/07/2017- Stefania Piccin