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Defect in the IKE 318-4-2T evaporator sensor

This information only applies for IKE 318-4-2T models bearing the following PNC numbers:

- PNC No. 925700659-00
- PNC No. 925700659-01

Description

The evaporator sensor has been placed in foam and cannot be replaced.

Any error in the evaporator sensor for electronic units bearing spare-part no. 431774 and 431737 is shown in the display with the symbol shown here (square on top).



Solution

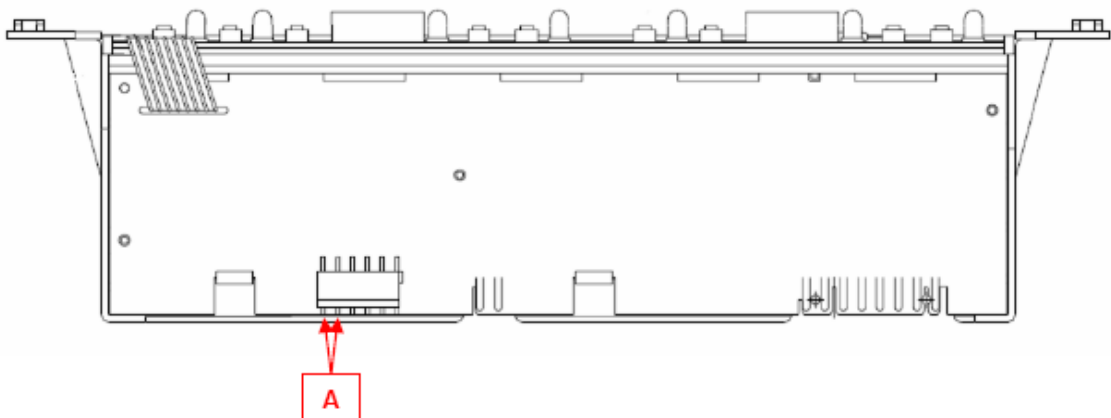
To solve the problem of excessively low temperatures, the sensor cable will first of all need to be disconnected in order to disconnect the evaporator sensor from the electronic unit.

Then a 5.6 k Ω resistor will need to be connected to the electronic unit instead of the evaporator sensor.

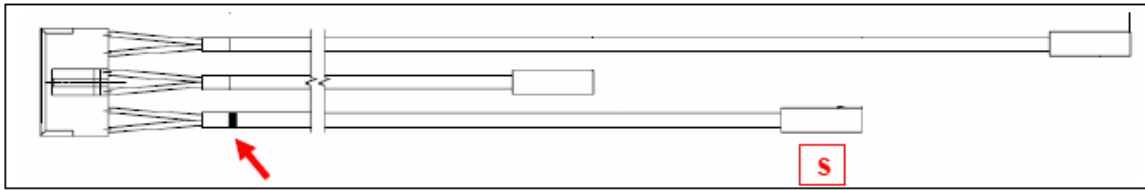
The resistor simulates a temperature of +9 °C for the electronic unit; this is equivalent to the temperature of the defrosted evaporator.

Carry out the following steps in sequence:

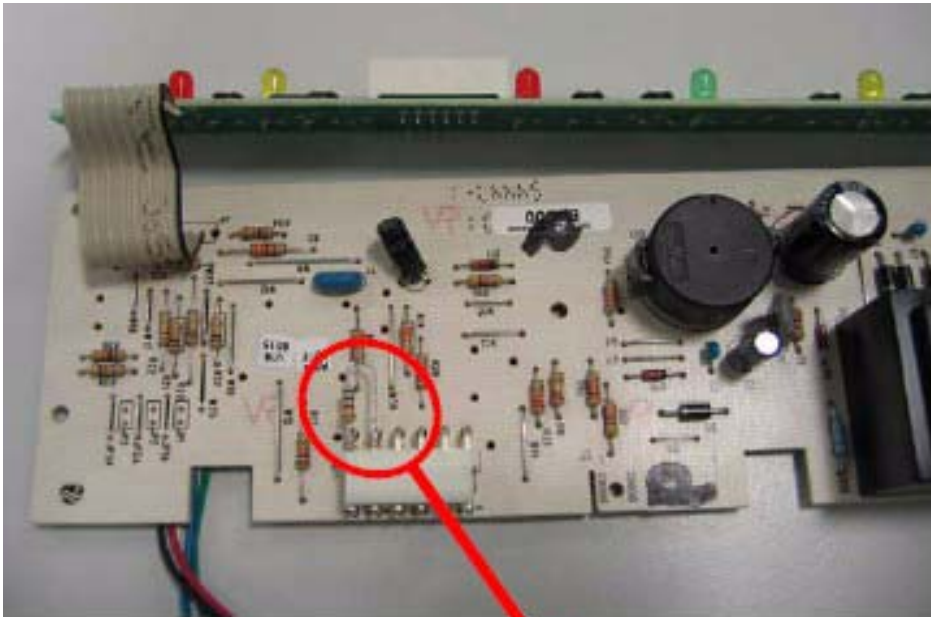
1. Disconnect the appliance from the mains supply.
2. Access the electronic unit and the sensor plug. Find the cable or the wires of the evaporator sensor - they are connected to the two contacts (A) of the plug - (contacts marked NTC1 A and B).



3. Disconnect the evaporator sensor **S** wires and insulate them (cable marked in black).



4. Connect the 5.6 k Ω resistor, spare-part no. 438901, to the contact of the evaporator sensor on the edge connector (solder).



Close-up of the electrical resistance

