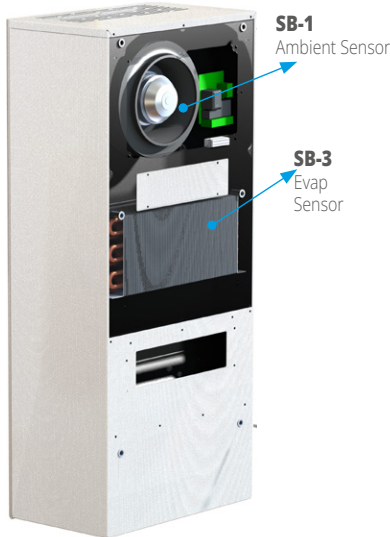


CF Message

Fault Codes



About CF Fault

No cooling..

When the compressor is active, there is a difference between the ambient sensor and the Evap sensor. As cooling occurs, the temperature of the evaporator core starts to drop.

If there is no more than 3 °C difference between these two sensors 10 minutes after the compressor is activated, a CF message is generated. The fault relay makes active and the compressor stops.

Reasons

- A) There may be a gas leak in the system.
- B) The compressor may be faulty.

Things to Do

A)

There may be a gas leak in the system. Connect a manometer to the valve and measure the pressure. It should be between 3.5-4 bar when the A/C is off. It should be between 1.5-2 bar when the compressor is on. Copper piping should be checked, especially at the welding points, and any leaks should be repaired. Then, the amount of gas stated on the label should be charged. (To run the compressor, set to **Service Mode** from Menu-2.) / Press and hold SET + R for **Menu-2**.

https://youtu.be/N6_RdtXR6x0?si=ACuO3bd2jcFWWhMtD / [Watch 4:17 Er-1 Fault part](#)

B)

The compressor may be faulty. To run the compressor, set to **Service Mode** from Menu-2. While the A/C is working in Service Mode, measure the input current with an ammeter. If it draws more than the current specified on the label, the compressor is burnt and must be replaced.

https://youtu.be/N6_RdtXR6x0?si=ACuO3bd2jcFWWhMtD / [Watch 14:49 Compressor Replacement part](#)

Knowing sensor values

The **Ambient Sensor** value is the value that appears on the main screen. If **TEMP** on the main display is blinking, it means that the compressor is active.



To see the value of the Evap Sensor:

Press and hold R and SET to enter Menu-2. Find the **SHOW EVAP SENS** parameter by direction keys and turn it ON. Then press Exit the menu by R key.



CABIN Temp and **EVAP** Temp values will be displayed on the screen. If there is no difference higher than 3°C between these two values while cooling is active, this error occurs.