

GF83.40-P-2126-01GH	Refrigerant pressure sensor, function	MODEL 163 up to 31.8.01	 GF
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Function

Shutting off the refrigerant compressor

The refrigerant pressure sensor (B12) sends the current value to the All Activity Module (N10). The All Activity Module (N10) compares this input information with stored values and actuates the refrigerant compressor.

At the following values, the refrigerant compressor is switched on or off:

- refrigerant pressure > 3 bar = refrigerant compressor **ON**
- refrigerant pressure < 2 bar = refrigerant compressor **OFF**
- refrigerant pressure < 26 bar = refrigerant compressor **ON**
- refrigerant pressure > 30 bar = refrigerant compressor **OFF**

Cut-in of the auxiliary fan (engine 112.942)

The pressure value received from the refrigerant pressure sensor (B12) is recorded by the All Activity Module (N10) and compared there with a stored value.

As of 12/99, the Extended Activity Module (EAM, N10/1) assumes this task from the All Activity Module (N10).

At the following values, the auxiliary fan (M4m1, M4m2) is switched on or off:

- refrigerant pressure > 16 bar = auxiliary fan **ON**
- refrigerant pressure < 12 bar = auxiliary fan **OFF**

Cut-in of the electric fan for engine/AC (engines 113.942/981)

The pressure value received from the refrigerant pressure sensor (B12) is recorded by the All Activity Module (N10), sent to the control module integrated in the electric fan for engine/AC and compared there with a stored value.

At the following values the electric fan for engine/AC (M4/7) is switched on or off:

- refrigerant pressure > 20 bar = electric fan for engine/AC **ON**
- refrigerant pressure < 12 bar = electric fan for engine/AC **OFF**