

4.14 Discharge Pipe Temperature Control

Remote Controller Display

F3

Method of Malfunction Detection

The discharge pipe temperature control (stop, frequency drooping, etc.) is checked with the temperature being detected by the discharge pipe thermistor.

Malfunction Decision Conditions

- If a stop takes place 4 times successively due to abnormal discharge pipe temperature, the system will be shut down.
- If the temperature being detected by the discharge pipe thermistor rises above A°C , the compressor will stop. (The error is cleared when the temperature has dropped below B°C .)

Stop temperatures	A	B
(1) above 45Hz (rising), above 40Hz (dropping)	110	97
(2) 30~45Hz (rising), 25~40Hz (dropping)	105	92
(3) below 30Hz (rising), below 25Hz (dropping)	99	86

- The error counter will reset itself if this or any other error does not occur during the following 60-minute compressor running time (total time).

Supposed Causes

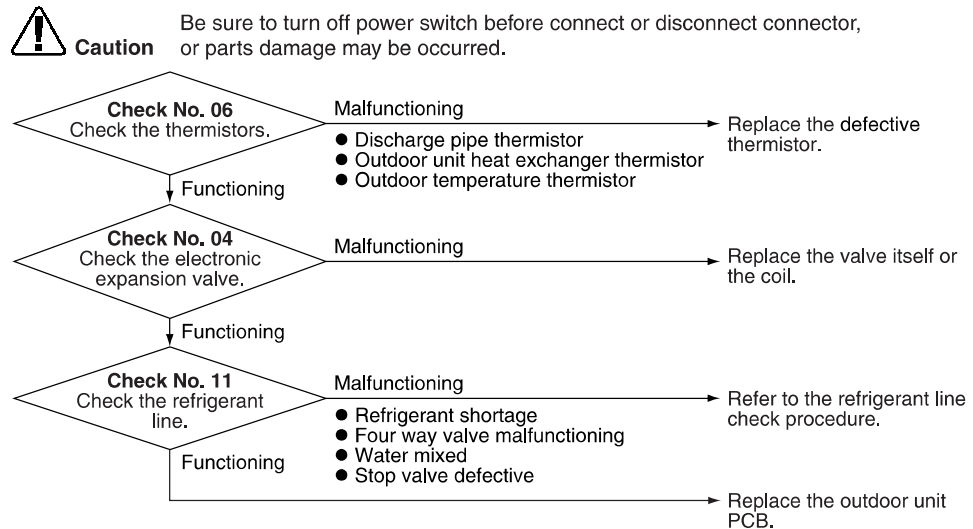
- Refrigerant shortage
- Four way valve malfunctioning
- Discharge pipe thermistor defective (heat exchanger or outdoor air temperature thermistor defective)
- Outdoor unit PCB defective
- Water mixed in the local piping
- Electronic expansion valve defective
- Stop valve defective

Troubleshooting


Check No.04
Refer to P.110


Check No.06
Refer to P.112


Check No.11
Refer to P.115



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