

4.17 Output Over Current Detection

Remote
Controller
Display

L5

Method of
Malfunction
Detection

An output over-current is detected by checking the current that flows in the inverter DC section.

Malfunction
Decision
Conditions

- A position signal error occurs while the compressor is running.
- A speed error occurs while the compressor is running.
- An output over-current input is fed from the output over-current detection circuit to the microcomputer.
- The system will be shut down if the error occurs 16 times.
- Clearing condition: Continuous run for about 5 minutes (normal)

Supposed
Causes

- Over-current due to defective power transistor
- Over-current due to wrong internal wiring
- Over-current due to abnormal supply voltage
- Over-current due to defective PCB
- Error detection due to defective PCB
- Over-current due to closed stop valve
- Over-current due to compressor failure
- Over-current due to poor installation condition

Troubleshooting



Check No.7
Refer to P.123



Check No.8
Refer to P.124

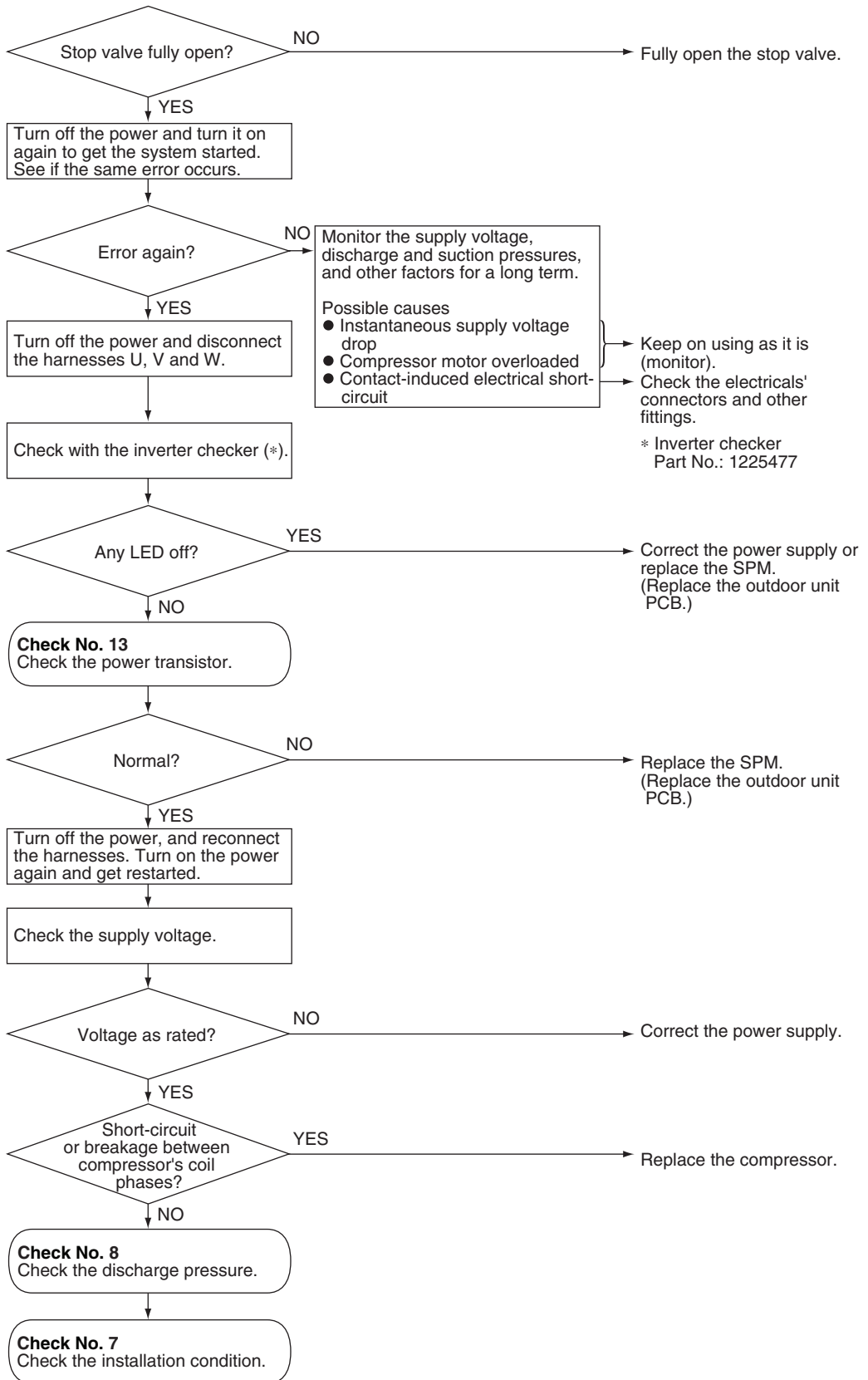


Check No.13
Refer to P.126



Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.

* An output over-current may result from wrong internal wiring. If the wires have been disconnected and reconnected for part replacement, for example, and the system is interrupted by an output over-current, take the following procedure.



Keep on using as it is (monitor).
Check the electricals' connectors and other fittings.

* Inverter checker
Part No.: 1225477



Note: If the model doesn't have SPM, replace the outdoor unit PCB.

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