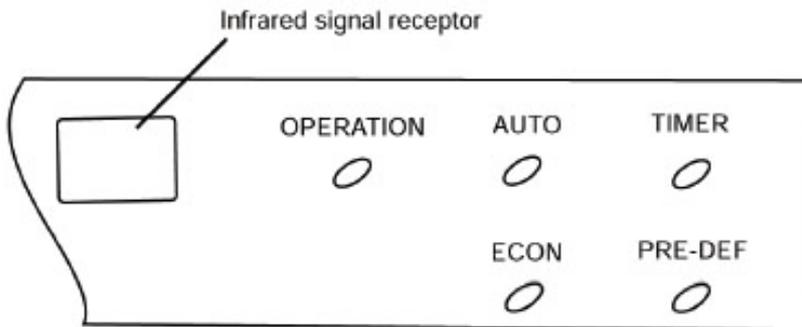


1 Troubleshooting for Ductless Units

1.1 Display board



- **Operation**

The indicator flashes once every second after power is on and illuminates when the air conditioner is in operation.

- **Timer indicator:**

The indicator illuminates then TIMER is set ON.

- **PRE-DEF. indicator (For cooling & heating mode only)**

The air conditioner starts defrosting automatically if outdoor unit frosts in heating operating.

At this time, PRE-DEF. indicator illuminates.

- **Auto indicator:**

This indicator flashes when the air conditioner is in AUTO operation.

- **ECON indicator**

This indicator illuminates while the air conditioner is in economic operation.

1.2 Troubleshooting

For cooling mode:

Failure phenomenon	Operation lamp	Timer lamp
Indoor fan speed has been out of control for over 1 minute	☆	X
Indoor room temp. or evaporator sensor is open circuit or short circuit	☆	On
Over current protection of the compressor occurs 4 times	X	☆
EEROM error	On	☆
No over-zero signal	☆	☆

✕ Extinguish

☆ Flash at 5Hz

For heat pump mode:

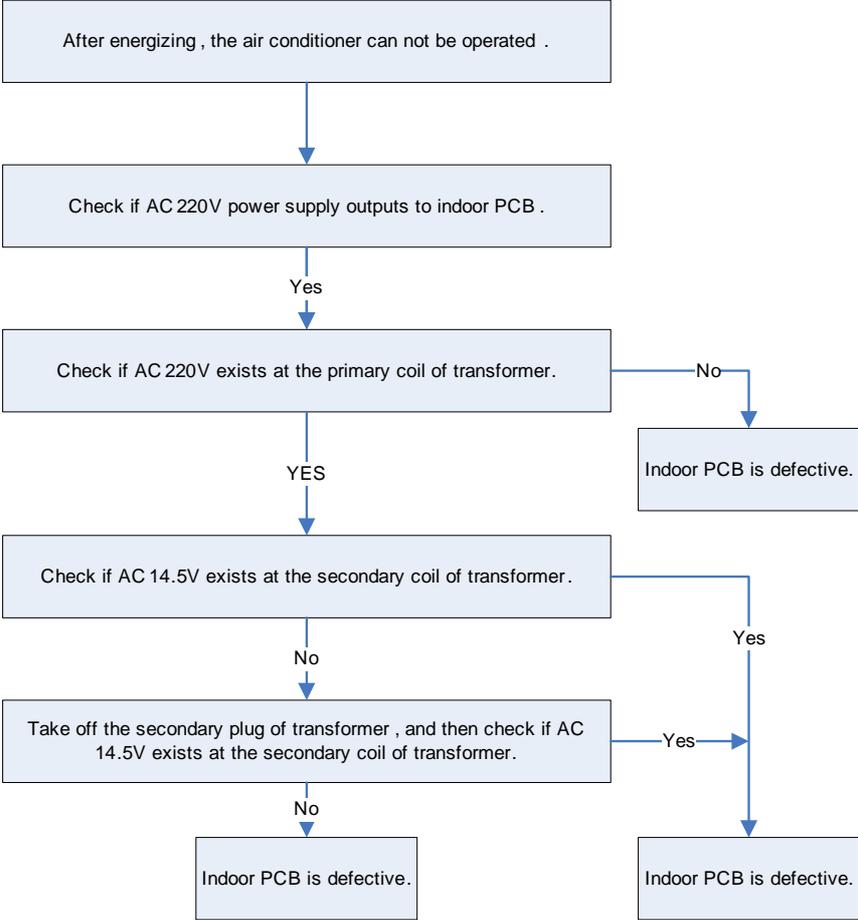
Failure phenomenon	Operation lamp	Timer lamp	Defrosting lamp
Over current protection of the compressor occurs 4 times	☆	X	☆
Indoor fan speed has been out of control for over 1 minute	X	☆	☆
No over-zero signal	☆	☆	☆
Temp. sensor on indoor evaporator is open circuit or short circuit	X	X	☆
Indoor room temp. sensor is open circuit or short circuit	X	☆	X
EEROM error	On	☆	X

✕ Extinguish

☆ Flash at 5Hz

1.3 Diagnostic chart

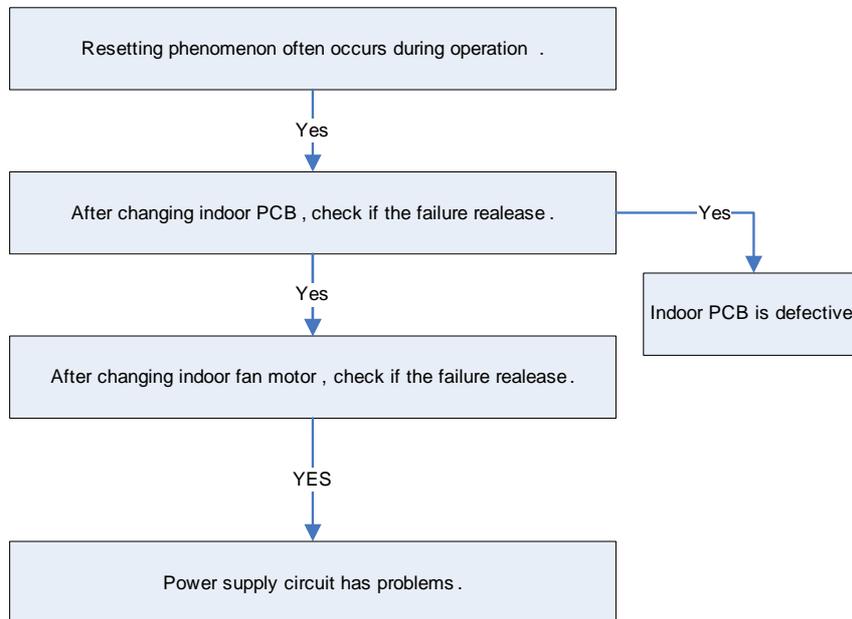
After energizing, no indicator is lighted and the air conditioner can't be operated.



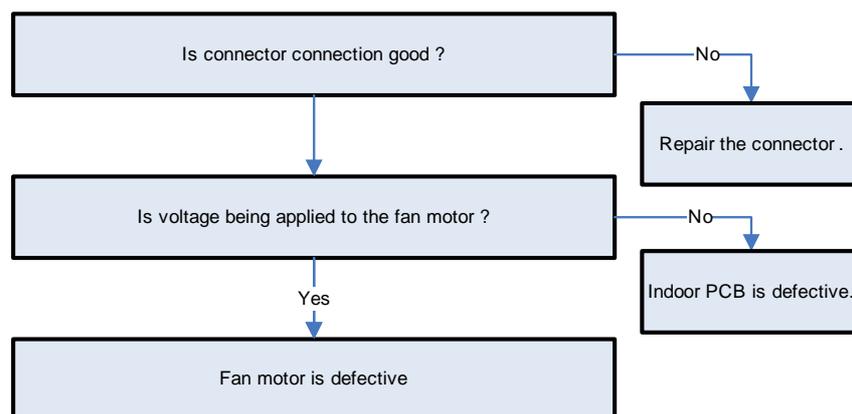
1.4 Resetting phenomenon often occurs during operation.

(That is automatically entering to the status when power is on.)

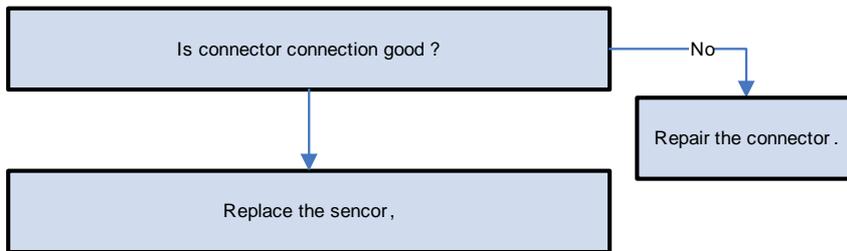
The reason is that the instantaneous voltage of main chip is less than 4.5V.
Check according to the following procedure:



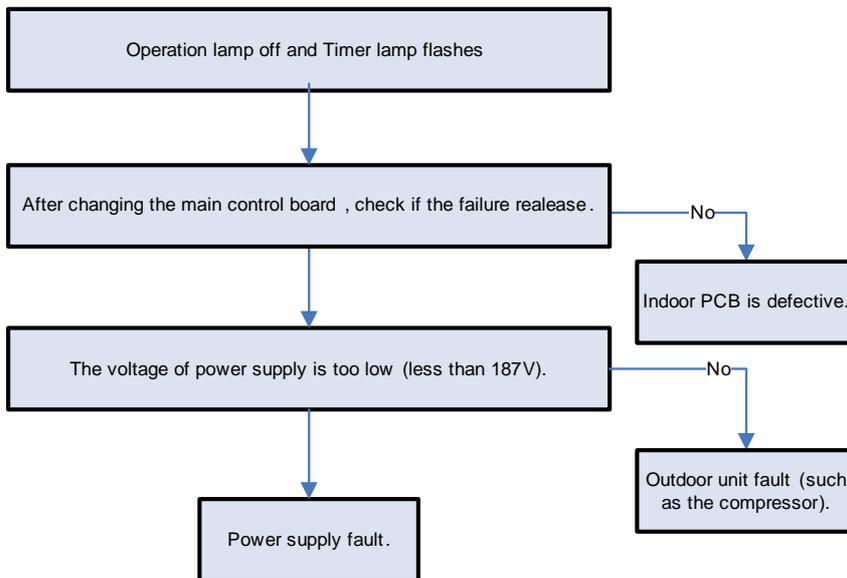
1.5 Operation lamp flashes and Timer lamp off.



1.6 Operation lamp flashes and Timer lamp on.



1.7 Operation lamp off and Timer lamp flashes



1.8 Operation lamp on and Timer lamp flashes

EEROM error, indoor PCB is defective.

1.9 Operation lamp flashes, Timer lamp flashes .

This is alarm signal when the main chip can't detect over-zero signal. When such failure occurs, the main control board must have fault.