

9. Troubleshooting

9.1 Indoor unit error display

For 7k, 9k, 12k, 18k

Display	Operation lamp flash times	Timer lamp	Failure
E1	1	X	EEPROM error
E2	2	X	Zero crossing signal detection error
E3	3	X	Indoor fan speed has been out of control
E4	4	X	Default
E5	5	X	Indoor room temperature sensor T1 open circuit or short circuit
E6	6	X	Evaporator coil temperature sensor T2 open circuit or short circuit
EC	2	O	Refrigerant leak detection error

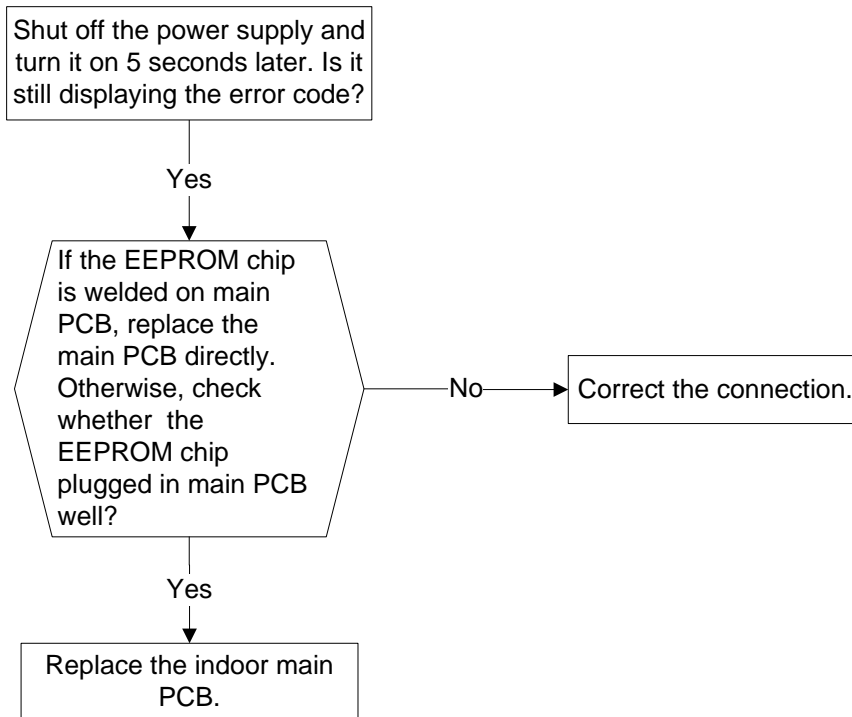
For 21k, 24k

Display	Operation lamp flash times	Timer lamp	Failure
E1	1	X	EEPROM error
E2	2	X	Zero crossing signal detection error
E3	3	X	Indoor fan speed has been out of control.
E4	4	X	Default
E5	5	X	Indoor room temperature sensor T1 open circuit or short circuit
E6	6	X	Evaporator coil temperature sensor T2 open circuit or short circuit
EC	2	O	Refrigerant leak detection error
E9	9	X	Indoor unit and outdoor unit communication error

O (light) X (off) ☆ (flash)

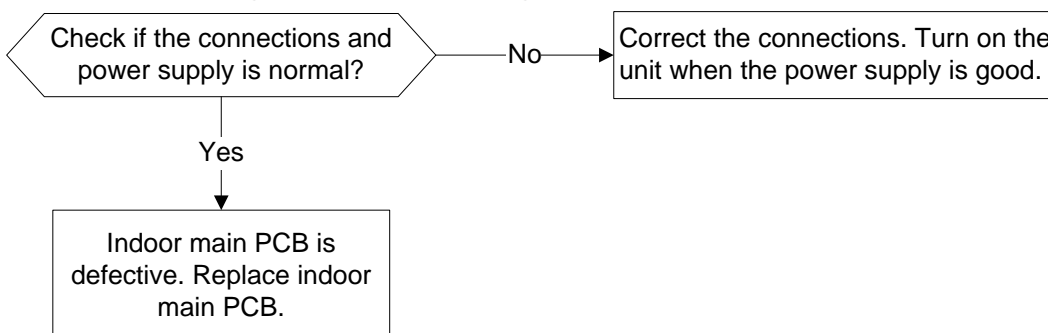
9.2 Diagnosis and Solution

9.2.1 EEPROM parameter error diagnosis and solution

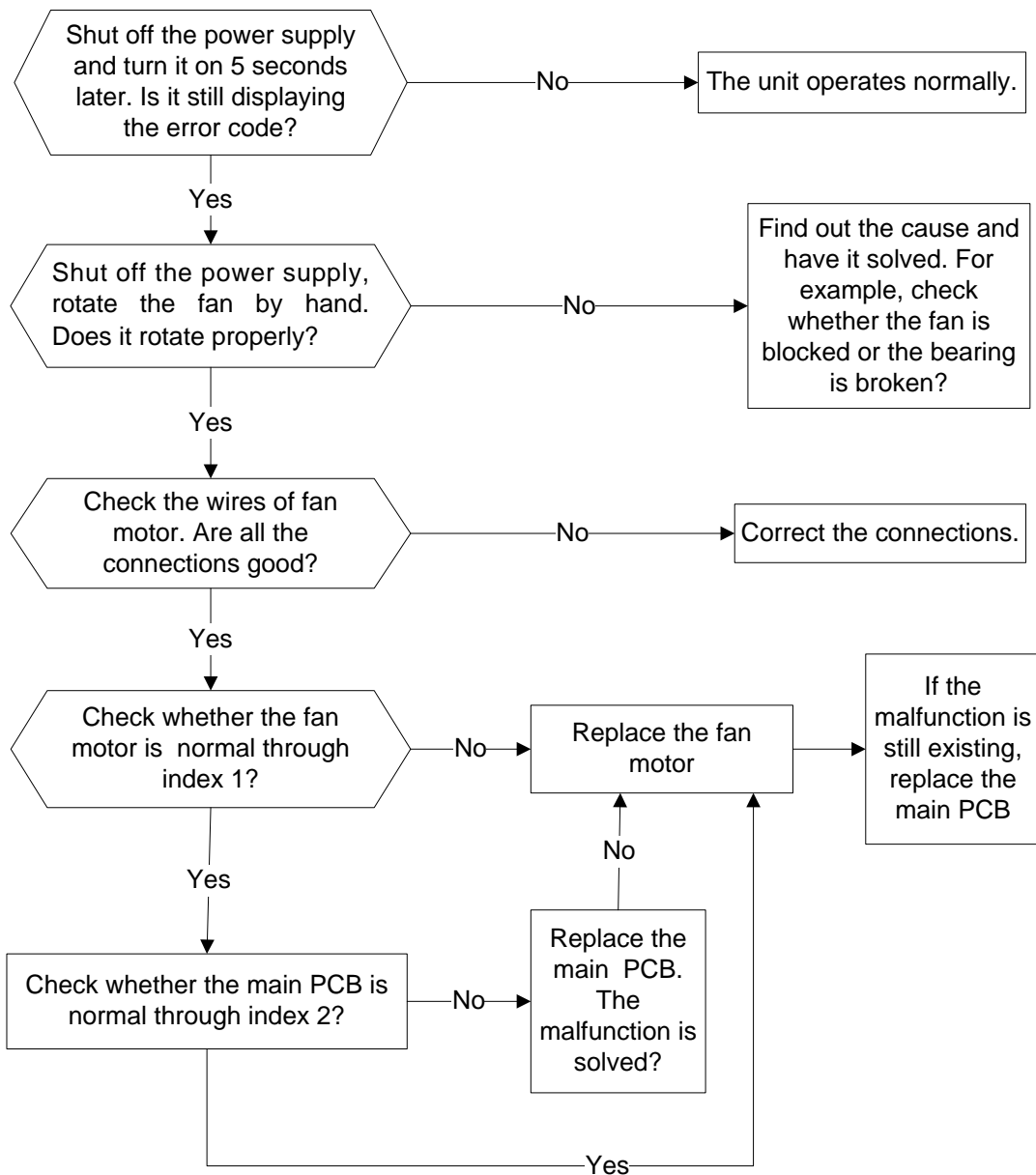


EEPROM: a read-only memory whose contents can be erased and reprogrammed using a pulsed voltage.

9.2.2 Zero crossing detection error diagnosis and solution



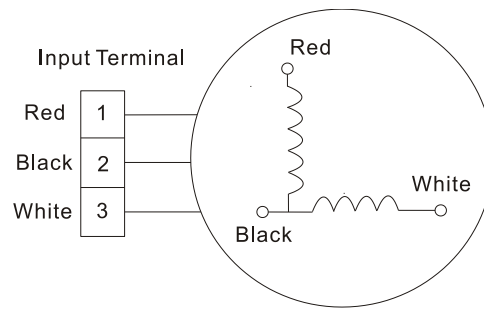
9.2.3 Indoor fan speed has been out of control diagnosis and solution



Index 1:

1. Indoor AC Fan Motor

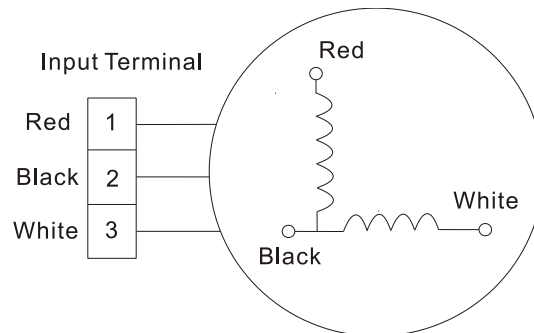
Measure the resistance value of each winding by using the tester.



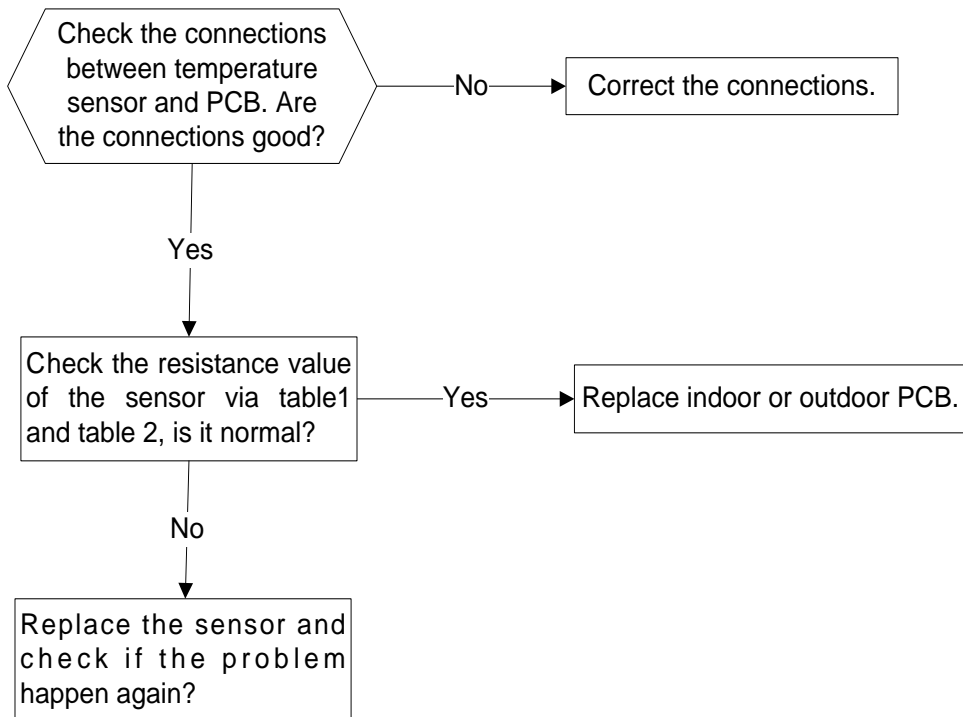
Index2:

1: Indoor AC Fan Motor

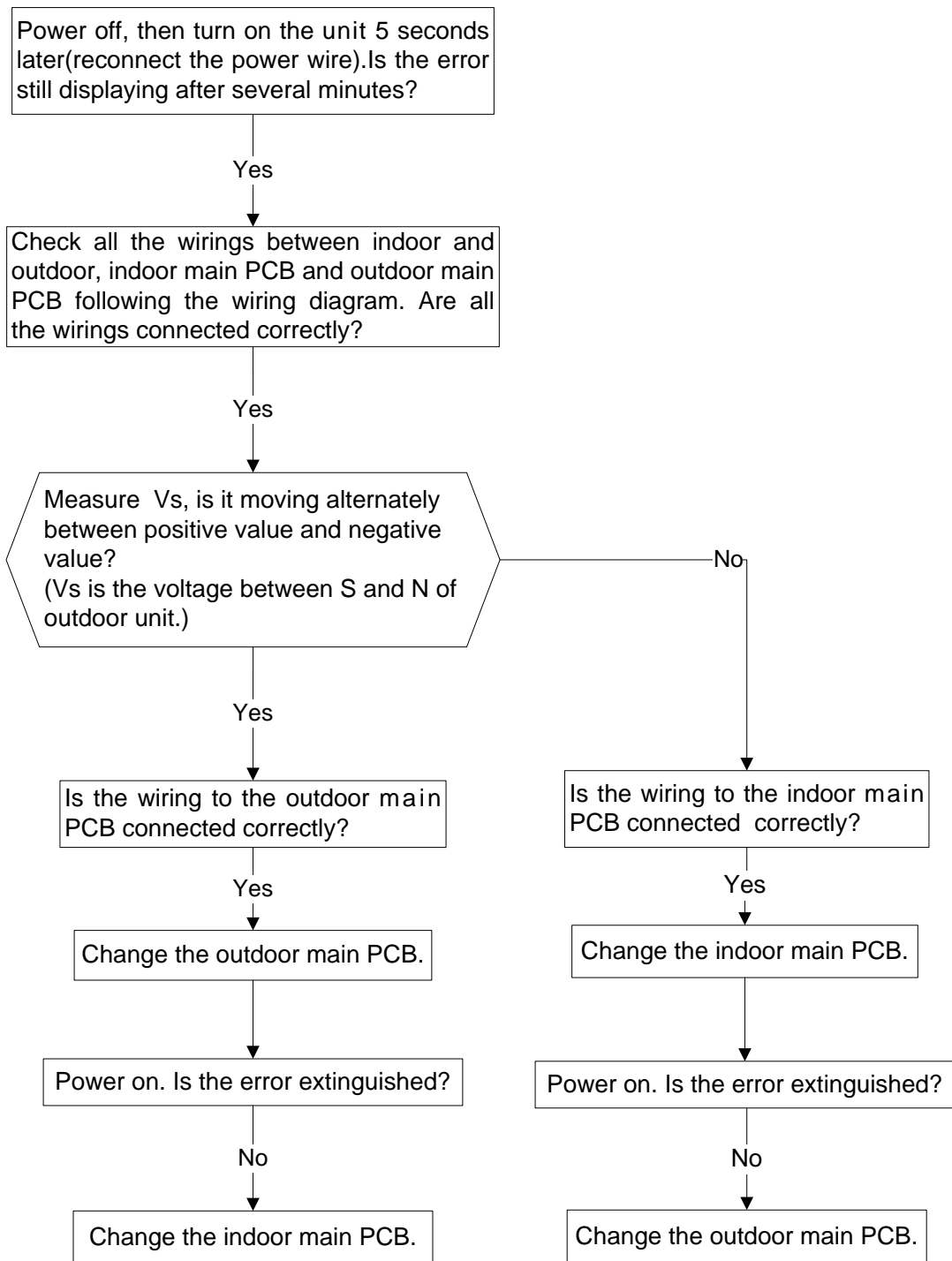
Power on and set the unit running in fan mode at high fan speed. After running for 15 seconds, measure the voltage of pin1 and pin2. If the value of the voltage is less than 100V(208~240V power supply) or 50V(115V power supply), the PCB must have problems and need to be replaced.



9.2.4 Open circuit or short circuit of temperature sensor diagnosis and solution



9.2.5 Indoor / outdoor unit's communication error diagnosis and solution



9.2.6 Refrigerant leakage detection diagnosis and solution

