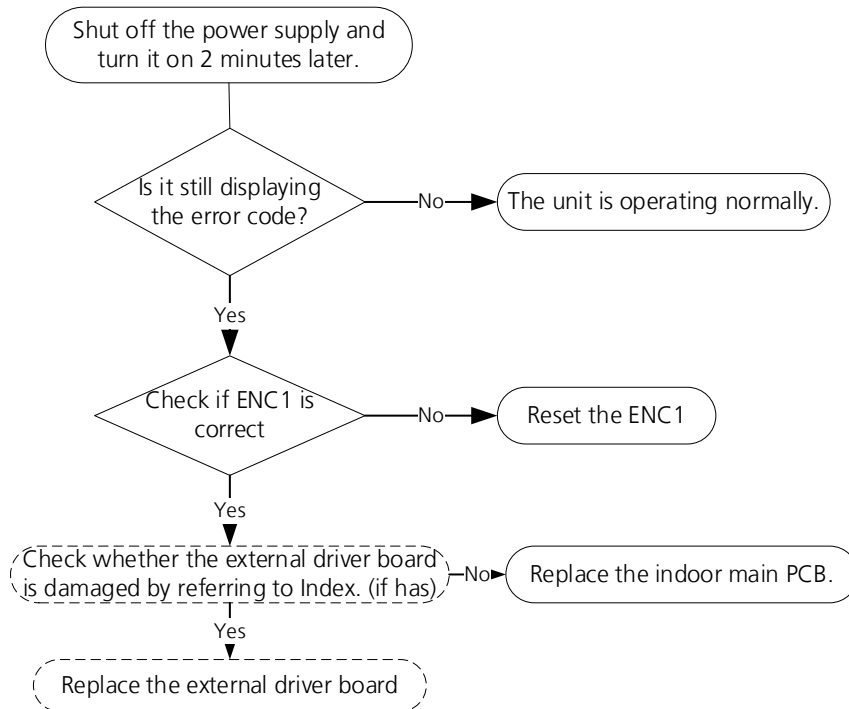

TS44-L: Communication malfunction between external fan module and indoor unit or External fan DC bus voltage is too low protection or External fan DC bus voltage is too high fault diagnosis and solution

Description: Indoor unit does not receive the feedback from external fan module during 150 seconds.
or Indoor unit receives abnormal increases or decreases in voltage from external fan module.

Recommended parts to prepare:

- External drive board
- Indoor main PCB

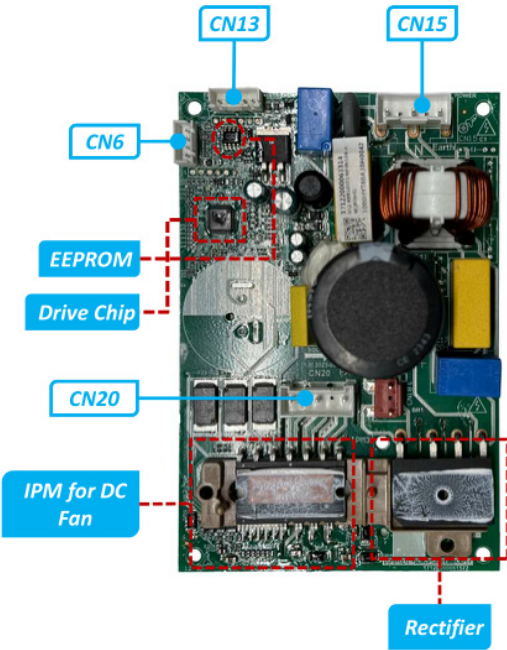
Troubleshooting and repair:



Index:

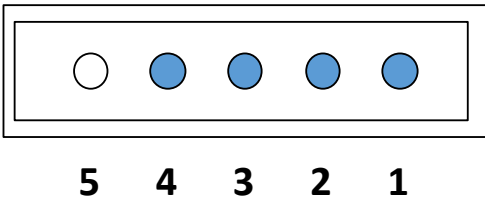
1.Indoor DC Fan IPM Board(A7 Duct)

Power on and when the unit is in standby, measure the voltage of CN15, pin1-pin2 and pin3-pin2 of CN13 in DC motor driver board. If the value of the voltage is not in the range showing in below tables, the indoor main PCB must has problems and need to be replaced.



Port	Description	Parameter	Remark
CN15	Power input for the PCB	230V/AC	L, N and Earth
CN13	Communication with main PCB	DC	
CN6	Test port	5V/DC	For debugging board
CN20	UVW output for DC fan motor		
CN18L	Ports for reactor		

CN13 Communication with main PCB



NO.	Signal	Voltage
1	Vcc	+15V
2	GND	
3	TXD	0~6V
4	RXD	0~15V
5	--	--