

# TROPICAL MINI VRF SYSTEM



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TRUST AIR CONDITIONING EQUIPMENT CO.  
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# Troubleshooting

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**توجه:**

شرکت تراست حق تغییر مشخصات دستگاه ها را در جهت بهبود و ارتقای کیفیت برای خود محفوظ می دارد.

**1. Check table**

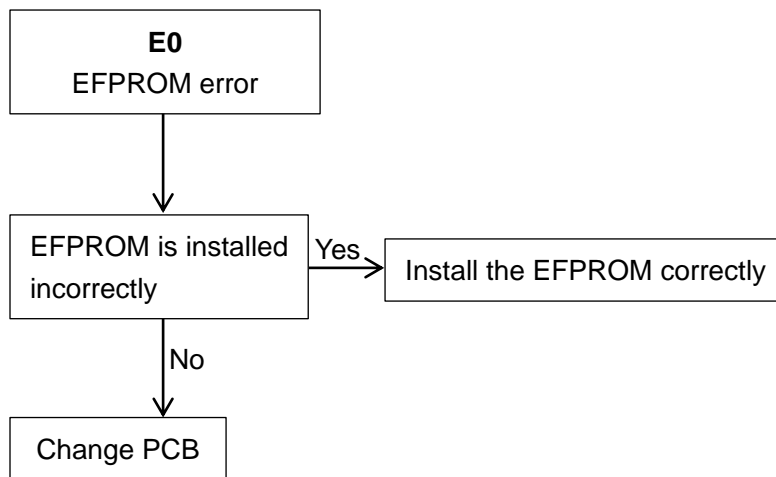
<b>No.</b>	<b>Content</b>	<b>Note</b>
0	Running normally	
1	Running mode	0: standby; 1: fan; 2: cooling; 3: heating; 4: forced cooling
2	Fan speed	0: closed; 1: low fan speed; 2: high fan speed
3	Total capacity of indoor unit	Capacity requirements
4	Revised capacity of outdoor unit	Capacity requirements
5	Pipe temperature of T3 sensor	Actual value
6	Pipe temperature of T4 sensor	Actual value
7	Discharge temperature of T5 sensor	Actual value (if the temperature is over 100°C, it will display the first two numbers.
8	Radiator surface temperature	Actual value
9	EXV opening	Actual value=display valve×8
10	Current value	Actual value
11	Voltage AD value	Actual value
12	Average T2 temperature	Actual value
13	Total quantity of indoor units	Actual value
14	Quantity of running indoor units	Actual value
15	The last error or protection code	Display "00" if it has no error or protection
16	--	

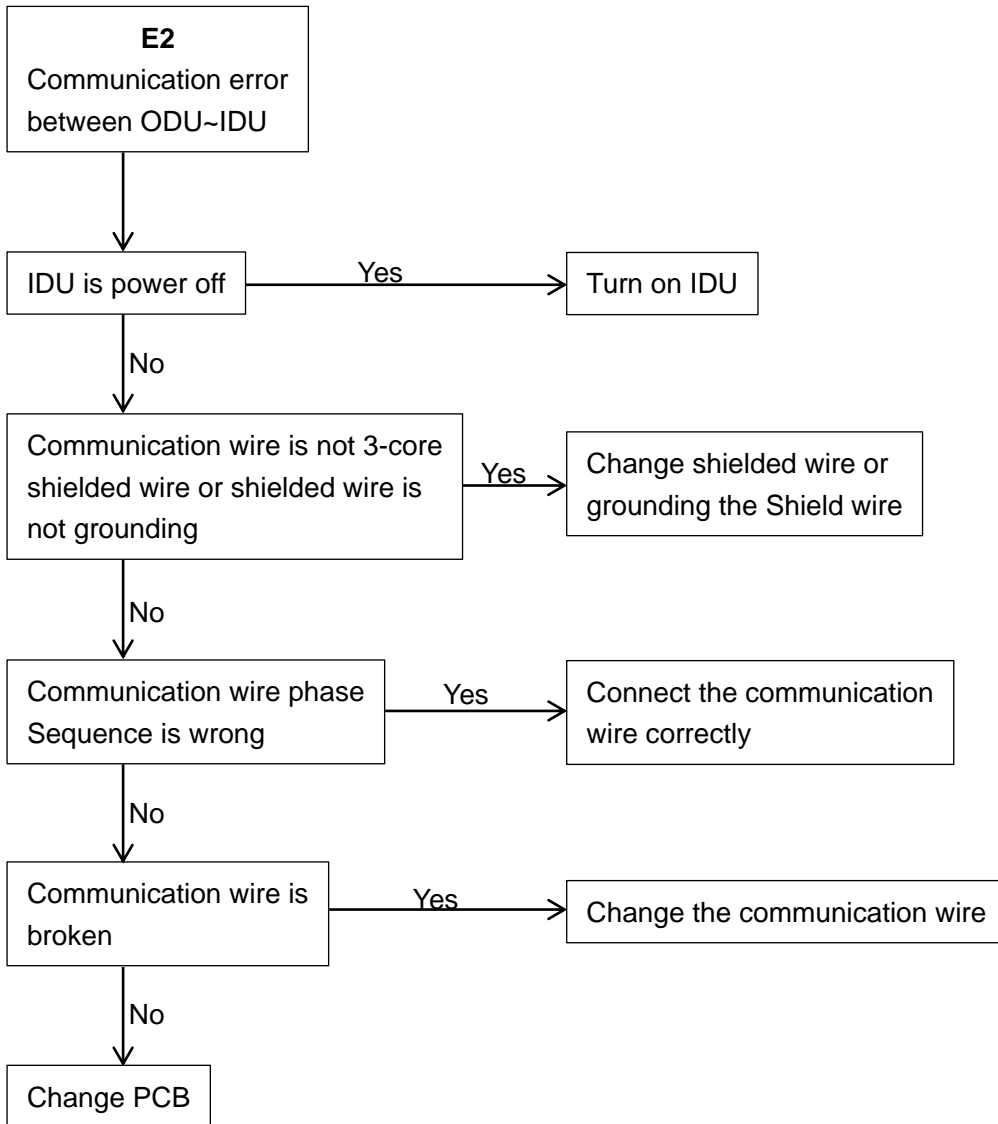
## 2. Outdoor unit error

Display	Error or protection
E0	EEPROM error
E2	Communication error between ODU~IDU
E3	Communication error between main control chip and driver chip
E4	T3/T4 sensor error
E5	Voltage protection
E9	Low ambient temperature protection (If operate the unit in cooling mode when the ambient temperate is lower than 10°C, it will display E9 protection)
P0	Radiator high temperature protection
P1	High pressure protection
P2	Low pressure protection
	Power supply phase sequence error
P3	Current protection of compressor
P4	Discharge temperature protection
P5	High temperature T3 protection of condenser
P6	IPM module protection
P7	High temperature T2 protection of evaporator

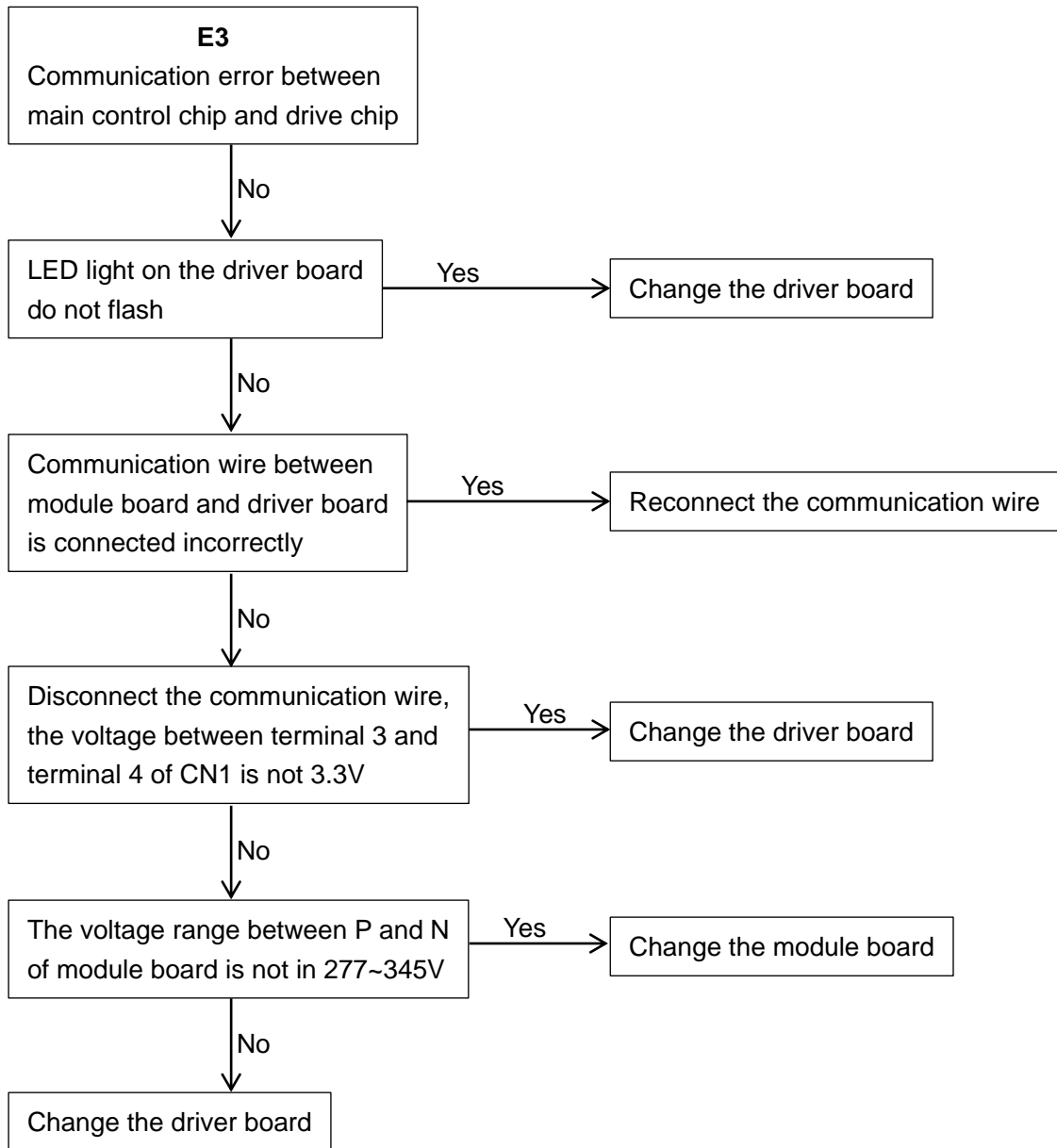
## 3. Troubleshooting

### 3.1 E0 (EEPROM error)

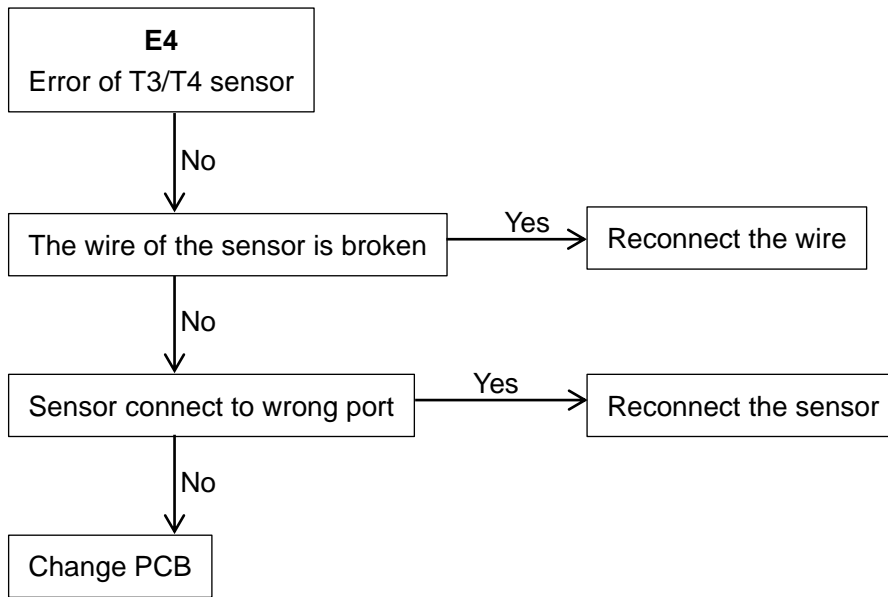


**3.2 E2 (Communication error between ODU~IDU)**

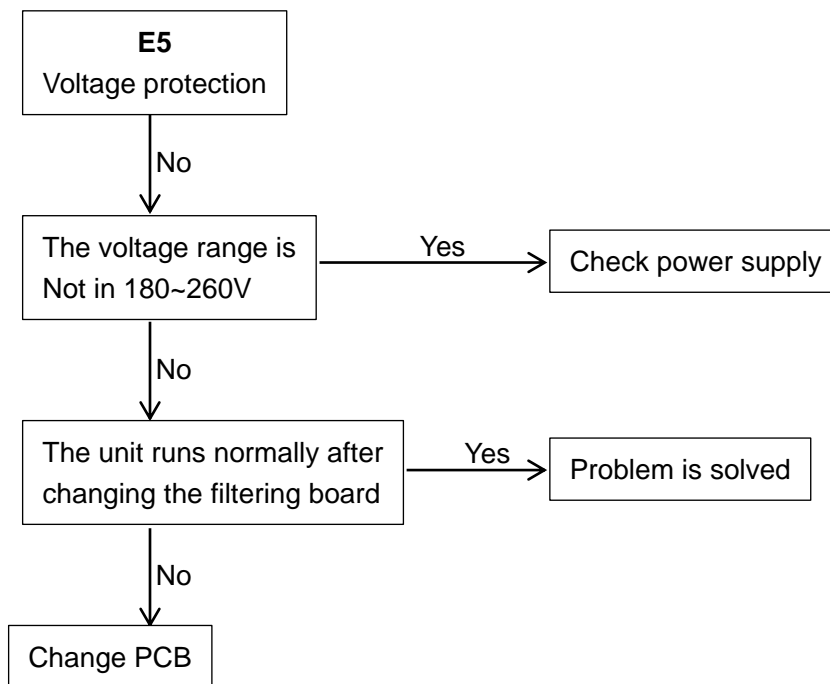
**3.3 E3 (Communication error between main control chip and driver chip)**



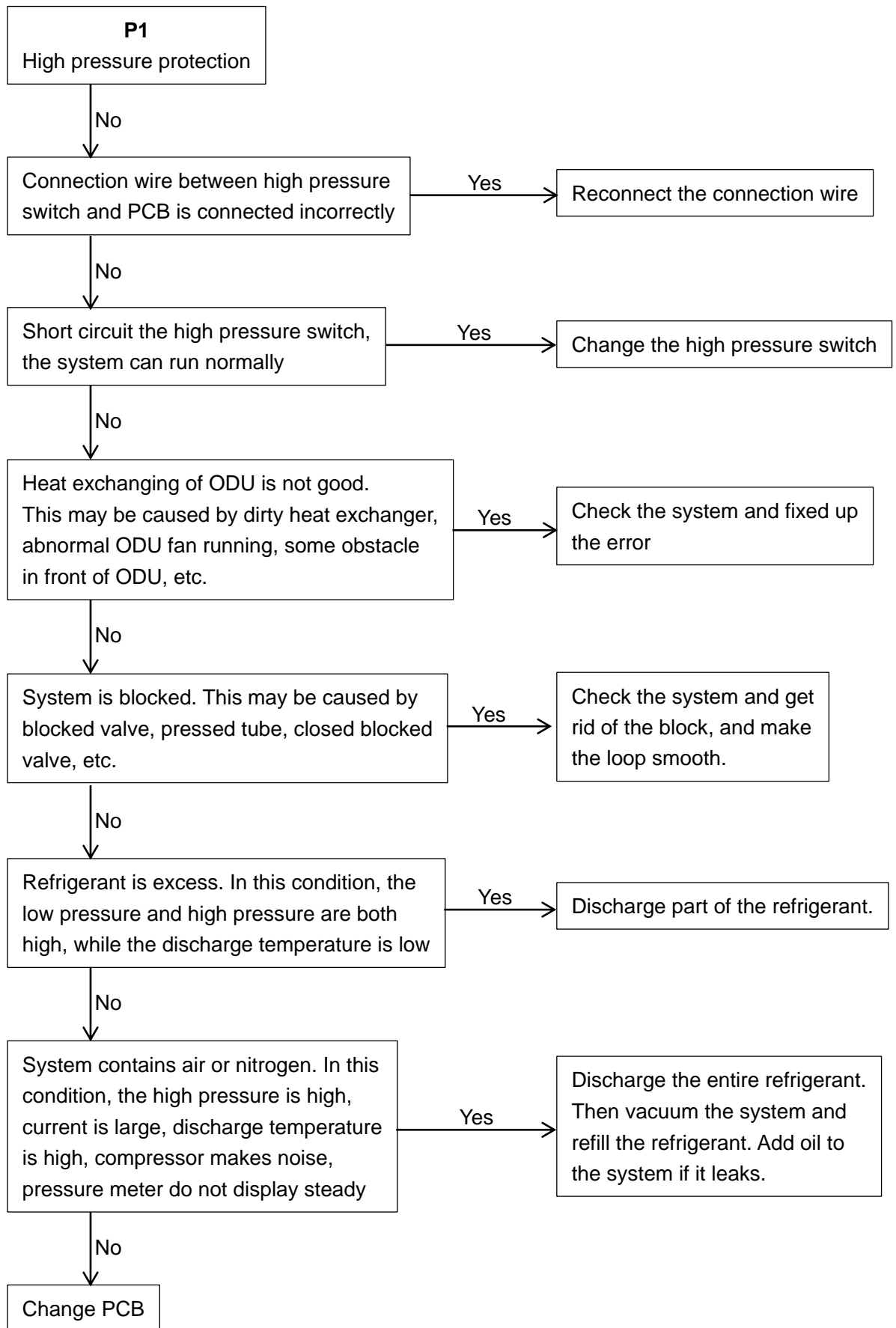
### 3.4 E4 (Error of T3/T4 sensor)



### 3.5 E5 (Voltage protection)

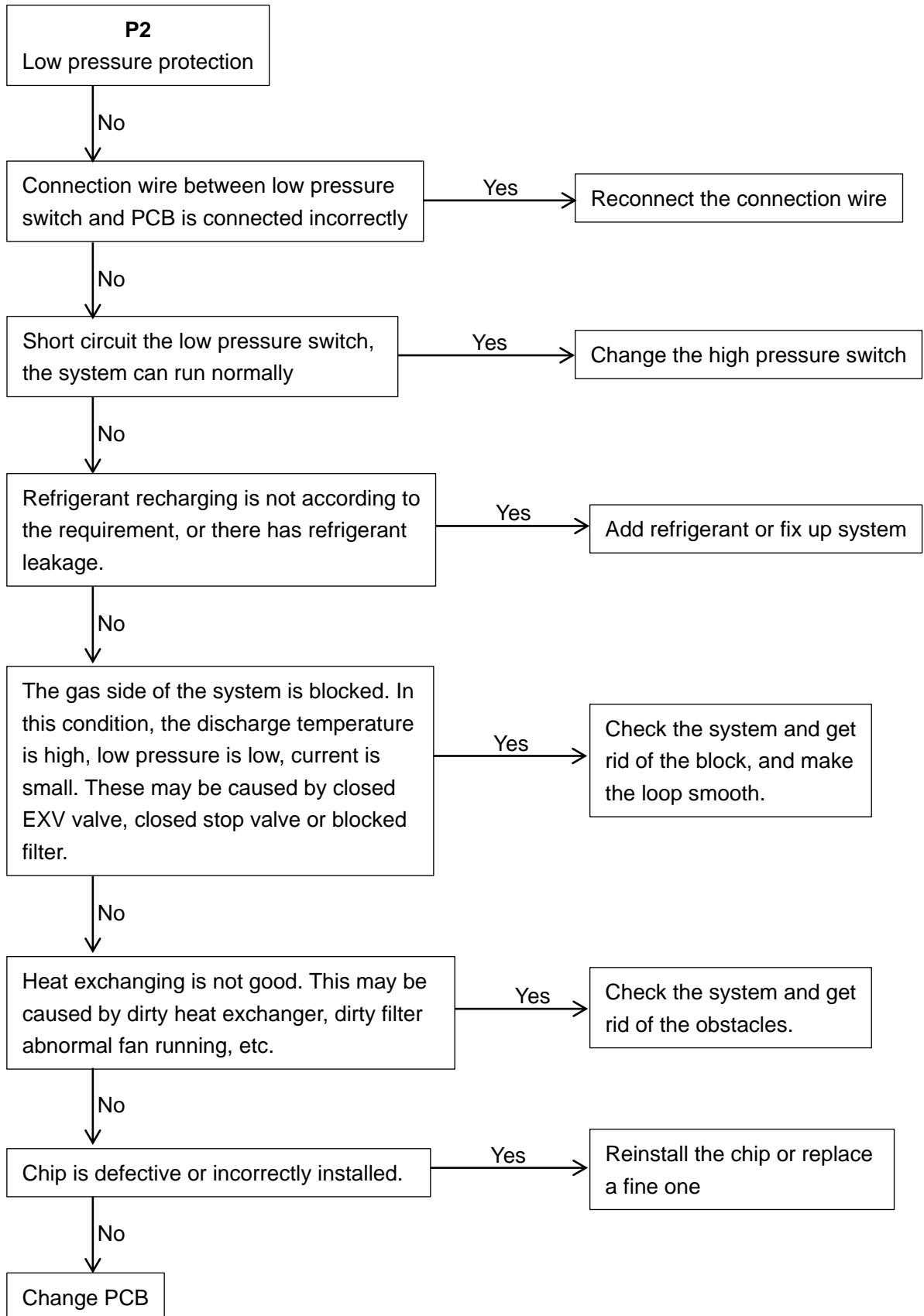


**3.6 P1 (High pressure protection)**

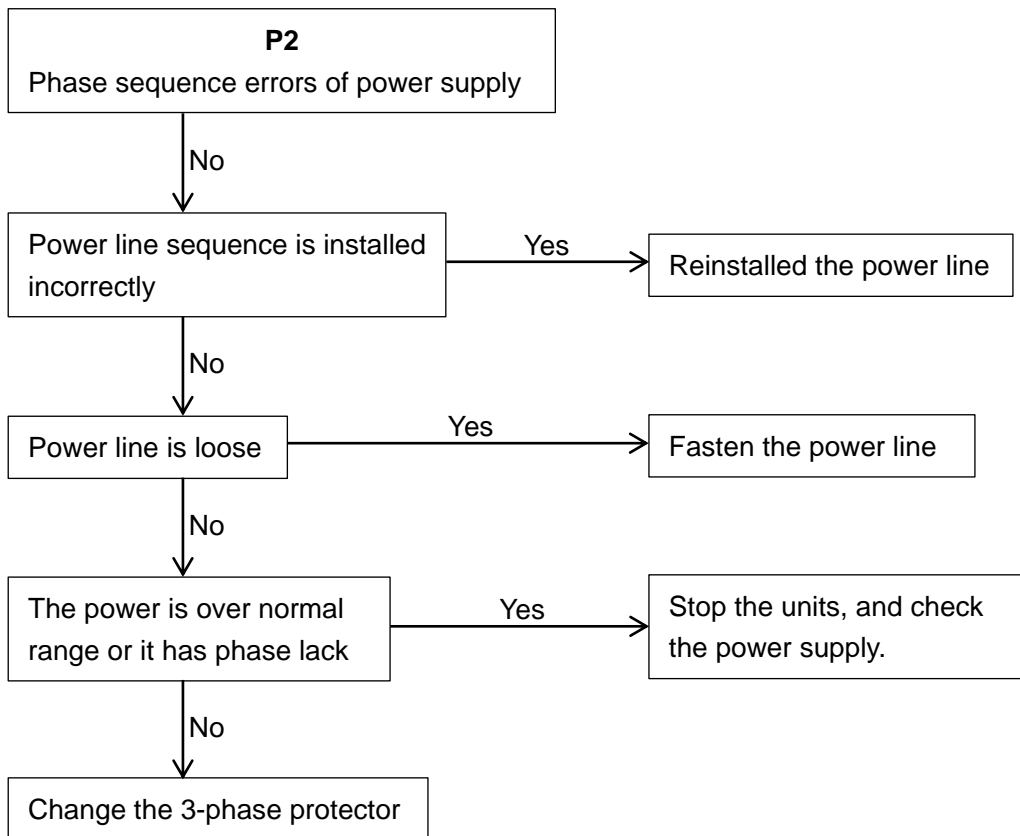




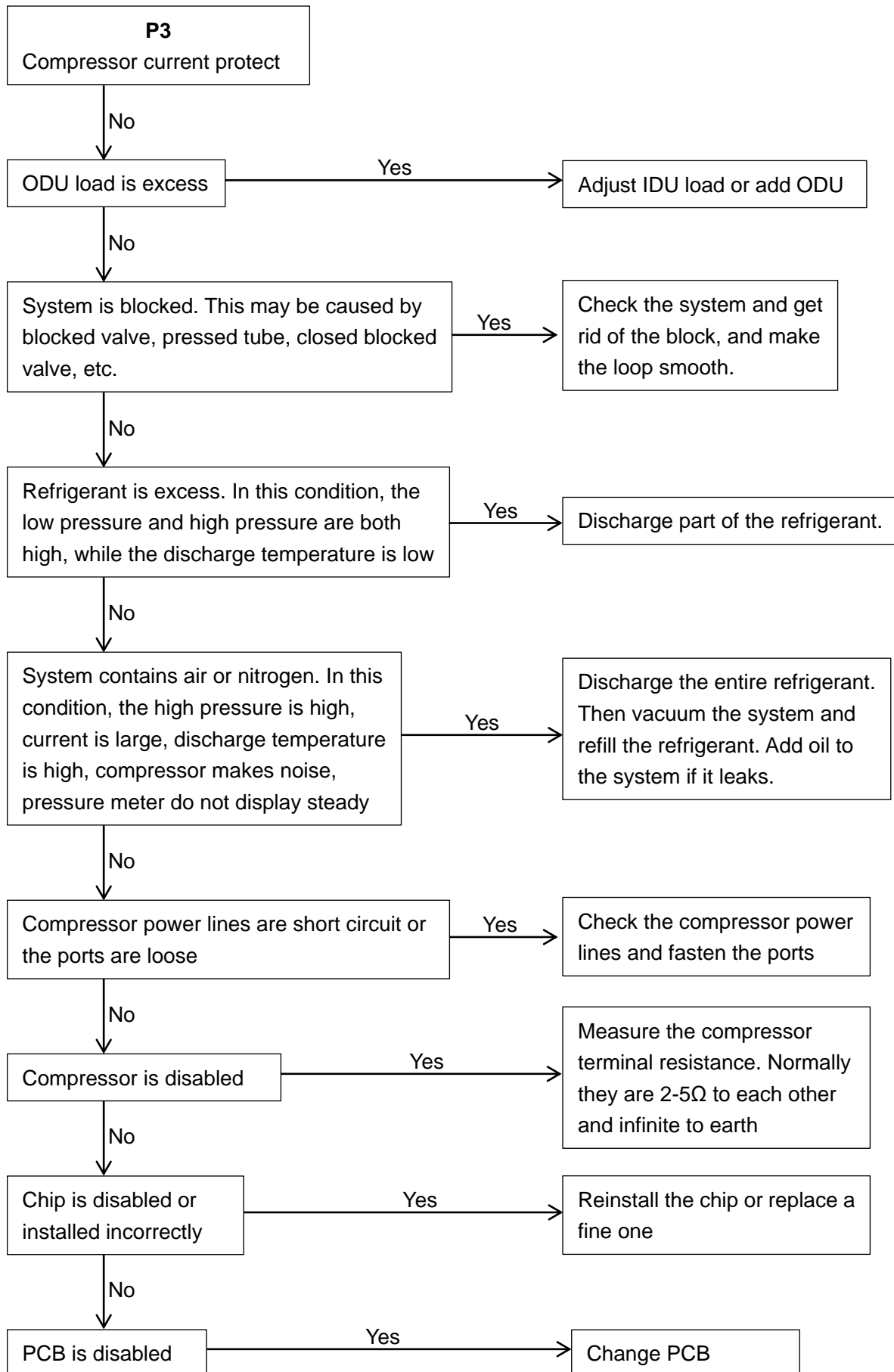
## 3.7 P2 (Low pressure protection)



**3.8 P2 (Phase sequence errors of power supply)**

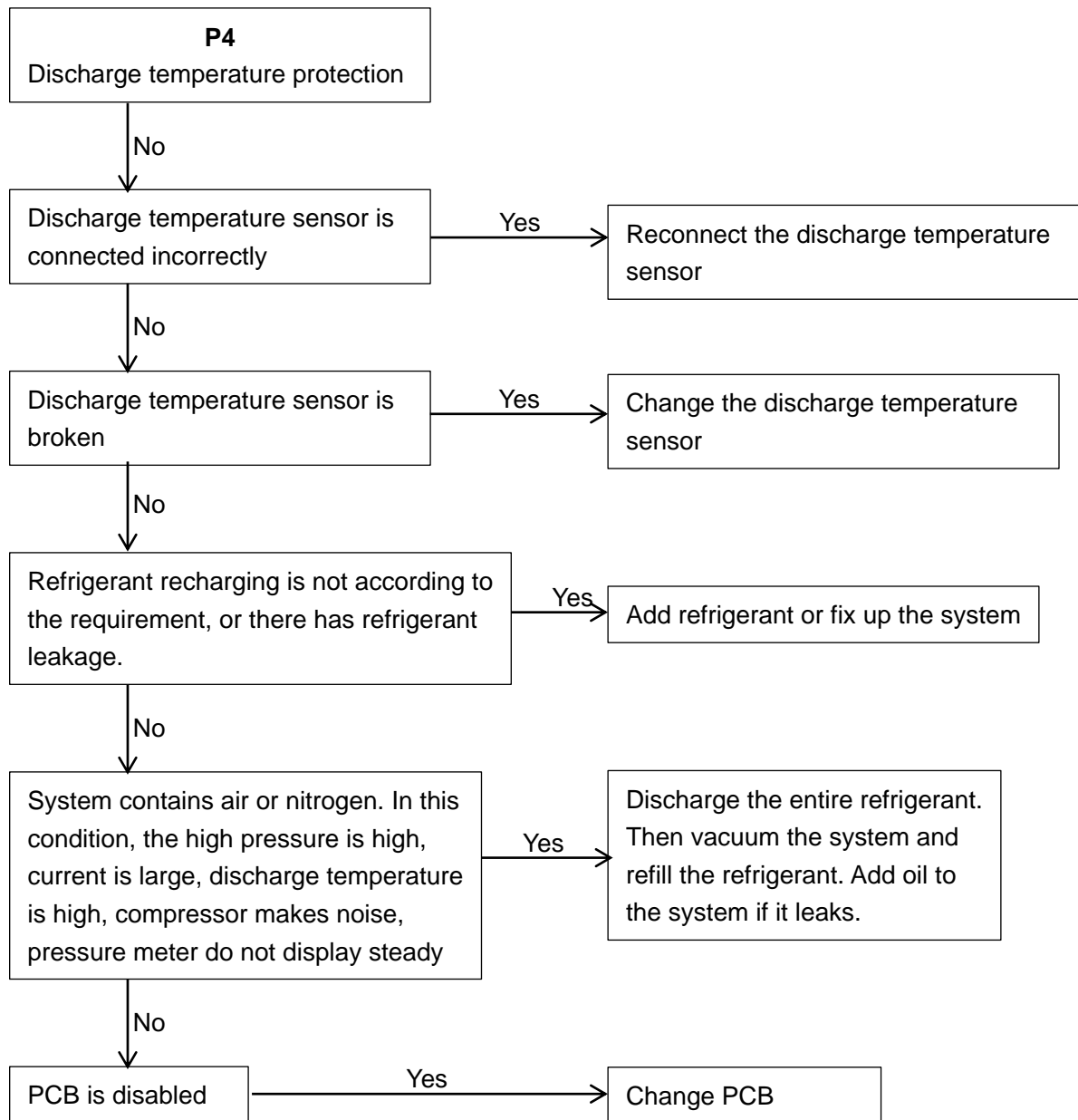


## 3.9 P3 (Compressor current protect)



**3.10 P4 (Discharge temperature protection)**

Unit will stop when discharge temperature is over 115°C, and restart when discharge temperature is below 90°C.



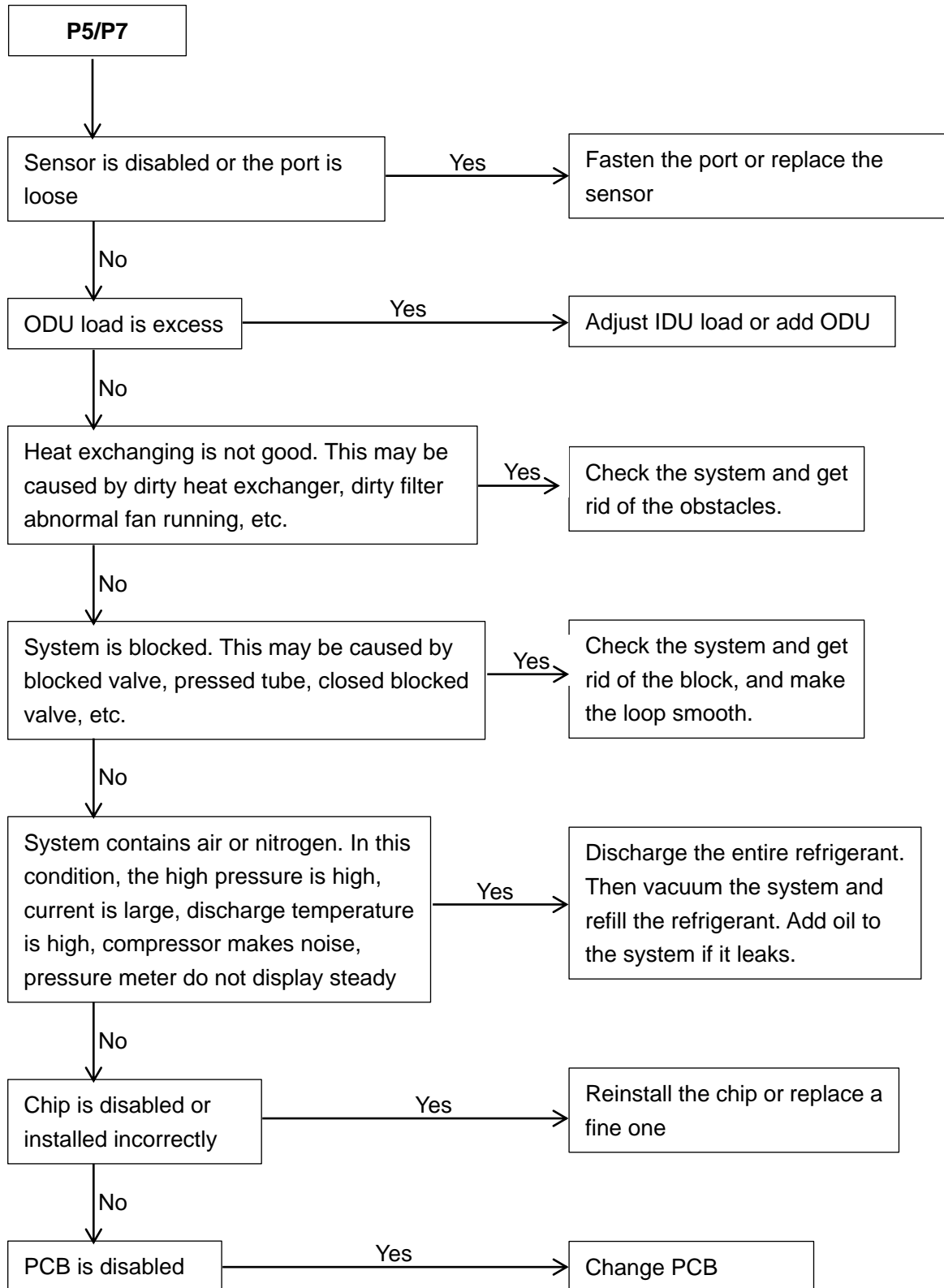
### 3.11 P5/P7

#### P5: High temperature T3 protection of condenser.

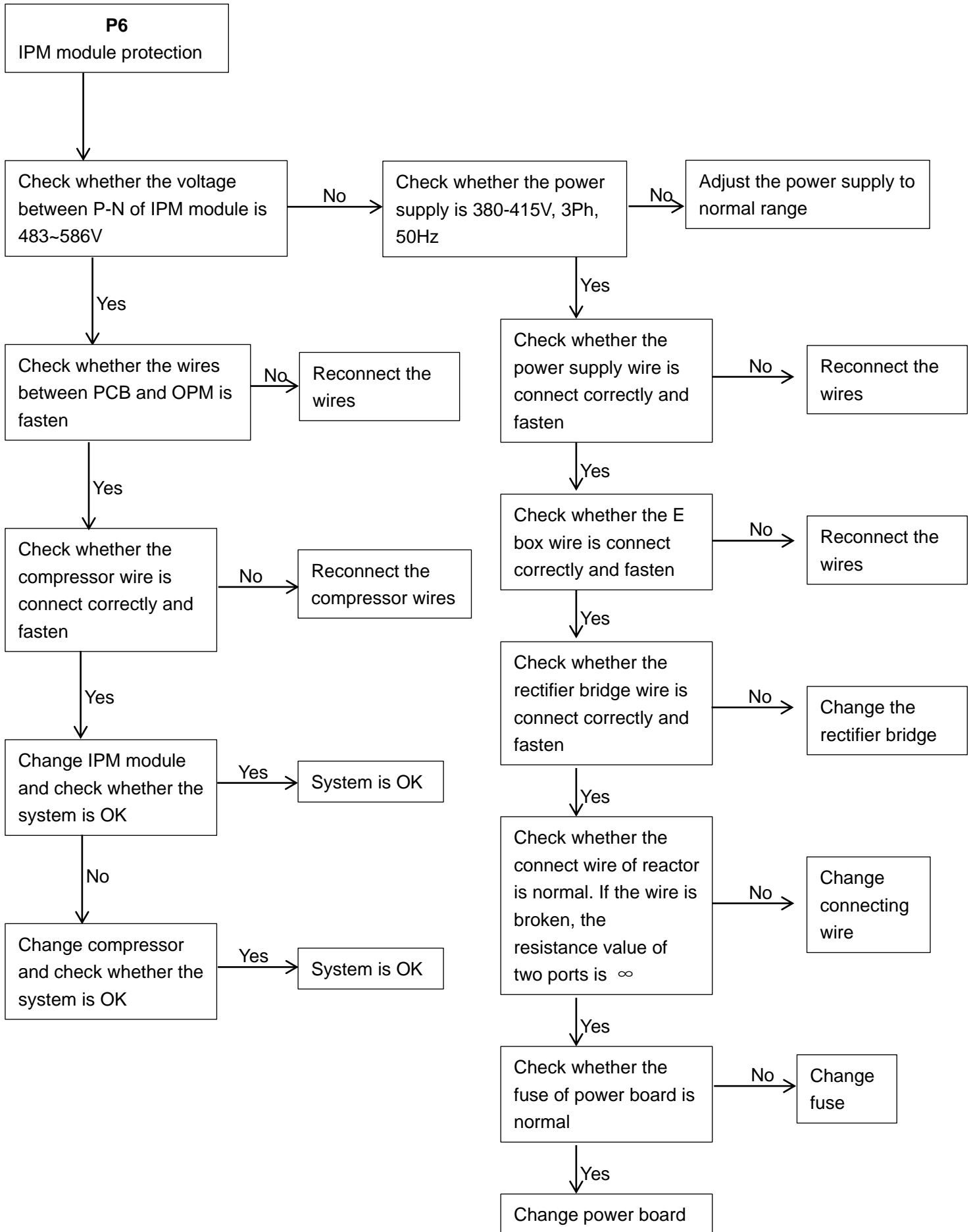
Unit will stop when condenser temperature is over 62°C lasting 3 seconds, and restart when condenser temperature is below 52°C.

#### P7: High temperature T7 protection of evaporator.

Unit will stop when average evaporator temperature is over 63°C lasting 50 seconds, and restart when temperature is below 50°C.



**2.12 P6 (IPM module protection)**





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Cooling & Heating

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برترین نام و نشان های تجاری ایران

