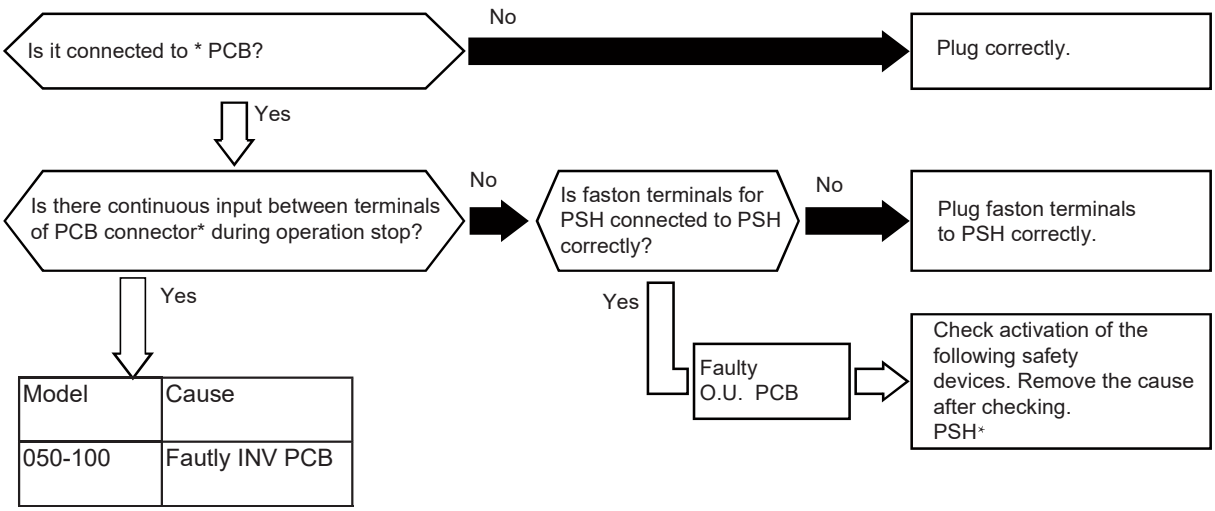
1.2.3.1 **Troubleshooting by Alarm Code (O.U.)**

Alarm Code 14	Activation of the safety device (high pressure switch) in the outdoor unit

Alarm code is displayed on the master controller/ the 7-segment of O.U. display PCB / the 7-segment of I.U. PCB1.

★ PSH is activated 6 times in one hour the alarm occurs.



Model	Cause
050-100	Fautly INV PCB

(*)

Model	PCB connector	Pin	PSH
050-100	PCN401(INV PCB)	#1-#3	3.3MPa

Phenomenon	Cause		Check item	Action (Turn OFF Main Switch)
Activation of the high-pressure switch due to the excessively high discharge pressure (PSH)	Outdoor Unit: Insufficient Air Flow to the Heat Exchanger (Outdoor Heat Exchanger during the Cooling Process) Indoor Unit: Insufficient Water Flow to the Heat Exchanger Indoor Heat Exchanger (during the Heating Process)		Check the heat exchanger for dust or for clogging	Remove the dust or the clogging
			Check the air filter for dust	Remove the dust
			Check for any obstacles at the inlet or the outlet of the heat exchanger	Remove the obstacles
			Check the service area	Secure service area
			Check the speed (Outdoor Fan: Cooling)	Replace the fan motor if faulty
			Check the speed of the water pump	Replace the water pump if faulty
	Expansion valve malfunction or abnormality		Disconnected	Fix the looseness or reconnect the connector
			Fully closed and locked	Replace the expansion valve
			Check the operation sound of the coil	Replace the coil
			Check the Discharge Gas thermistor	Replace the thermistor
			Check the fastening of the thermistor	Re-fasten the thermistor
	Excessively High Water Temperature in the indoor unit		Calculate the heat load	Reduce the heat load or use a bigger unit
			Check minimum water flow	Provide good circulation
			Check for collapse in water cycle	Remove the short-circuited
			Check for other heat source	Stop the heat source
	Faulty High-Pressure Switch	Faulty Pressure Switch	Measure the discharge pressure. Check the continuity after the decrease of the pressure	Replace the pressure switch if faulty
		Insufficient Contacting	Measure the resistance by means of a tester	Fix the looseness. Replace the connector
		Incorrect Connection	Check the connections	Repair the connections
	Overcharged refrigerant		Check the cycle operation temp.	Charge the refrigerant correctly
	Mixture of the non-condensate gas in the refrigerant cycle		Check the air temp. and the pressure	Recharge the refrigerant after the vacuum pumping
	Clogging of the discharge piping		Check for clogging	Remove the clogging
	Liquid line stop valve or gas line stop valve is not in operation		Check the stop valves	Fully Open the stop valves