Troubleshooting

List of Detailed Error Codes (SkyAir)

(1) Indoor unit

Error code	Troubleshooting	
	Description of error	Description of diagnosis
A6 – 01	Fan motor locked	A locked fan motor current has been detected. Turn the fan by hand to check for the connection of connectors.
A6 – 10	Fan overcurrent error	A fan motor overcurrent has been detected. Check for the connection of the connector between the fan motor and the PC board for the fan. If the connection is normal, replace the fan motor. If this still cannot solve the error, replace the PC board for the fan.
A6 – 11	Fan position detection error	An error in the detection of position of the fan motor. Check for the connection of the connector between the fan motor and the PC board for the fan. If the connection is normal, replace the fan motor. If this still cannot solve the error, replace the PC board for the fan.
AH – 03	Transmission error (between the self-cleaning decoration panel and the indoor unit) [when the self-cleaning decoration panel is mounted]	Check for the connection of the harness connector between the panel PC board and the indoor unit PC board.
AH – 04	Dust detection sensor error [when the self-cleaning decoration panel is mounted]	Check for the connections of the connector X12A on the panel PC board and the connectors X18A and X19A on the sensor PC board.
AH – 05	Dust collection sign error [when the self-cleaning decoration panel is mounted]	Check for clogging with dust at the dust collection port as well as in the brush unit, S-shaped pipe, and dust box. Furthermore, check for any stains of the light receiving and emitting parts of the infrared unit.
AH – 06	Air filter rotation error [when the self-cleaning decoration panel is mounted]	Check for anything getting in the way of rotating the filter (e.g. the filter comes off or the drive gear is clogged with foreign matters).
AH – 07	Damper rotation error [when the self-cleaning decoration panel is mounted]	The damper does not rotate normally. Check for any foreign matters around the damper and for the operation of the gear and limit switch.
AH – 08	Filter self-cleaning operation error [when the self-cleaning decoration panel is mounted]	The unit has not yet completed the filter self-cleaning operation even after the lapse of specified period of time. Check for any external noise, etc.
C6 – 01	Faulty combination of indoor unit PC board and fan PC board	A combination of indoor unit PC board and fan PC board is faulty. Check whether the capacity setting adapter is correct and the type of the fan PC board is correct.

(2) Outdoor unit

Error code	Troubleshooting	
	Description of error	Description of diagnosis
E7 – 01	Fan motor lock	The fan motor has caused abnormal rotation. Check for the connection of the connector between the fan motor and the outdoor unit PC board. If the connection is normal, replace the fan motor. If this still cannot solve the error, replace the outdoor unit PC board.
L1 – 01	Instantaneous overcurrent error (while in startup operation)	Refer to the "L1" flow chart of each manual and make a diagnosis of the relevant unit based on the Error code shown to the left.
L1 – 02	Current sensor error in PC board	
L1 – 03	Current offset error	
L1 – 04	IGBT error	
L1 – 05	Jumper setting error	
L1 – 06	SP/MP-PAM overvoltage error	
L8 – 01	Electronic thermal 1 error	Overload current continues for a period of 260 seconds or more. This error is supposed to have resulted from excessive charging of refrigerant, damage caused to the compressor bearing, too high-pressure, etc.. Check and probe the cause.
L8 – 02	Electronic thermal 2 error	Overload current close to the locked current flowed in the thermal for a period of five seconds. This error is supposed to have resulted from closed stop valve, disconnected wire in the compressor motor, etc. Check and probe the cause.
L8 – 03	Drop in compressor revolutions	Compressor load has been increased after startup. This error is supposed to have resulted from instantaneous power failure, liquid back, etc. Check and probe the cause.
L8 – 04	Thunder detection error	Surges caused by thunder
L8 – 05	Inverter limiting current	Excessive limiting current is flowing in the inverter. This error is supposed to have resulted from failure to open the stop valve, excessive charging of refrigerant, clogging in the indoor unit filter stain in the indoor/outdoor unit heat exchanger etc.. Check and probe the cause.
L9 – 01	Stall prevention (current increase)	Overload current has been applied to start up the compressor. This error is supposed to have resulted from high startup differential pressure, liquid back, excessive compressor oil, abnormal compressor coil, seizure of the compressor shaft, etc. Check and probe the cause.
L9 – 02	Stall prevention (startup error)	The compressor has not completed startup operation. This error is supposed to have resulted from high startup differential pressure, liquid back, excessive compressor oil, abnormal compressor coil, seizure of the compressor shaft, faulty position detection circuit, etc.. Check and probe the cause.
LC – 01	Faulty wiring	Faulty transmission including that caused when the power supply turns ON. This error is supposed to have resulted from ①Defective wire connections around the PC board, ②faulty outdoor unit PC board, or ③faulty fan motor. Check and probe the cause.
LC – 02	Faulty transmission between compressor and micro controller	There is an error in transmission between the compressor and the outdoor unit PC board. If the wire connections of the compressor are normal, check for the same of the outdoor unit PC board.
PJ – 01	Capacity setting not made	This is an outdoor unit PC board for repair, but has no capacity setting adapter connected. Connect a correct capacity setting adapter to the PC board.
PJ – 04	Faulty capacity setting	This error results from a mismatch of signals between the controller in the PC board and the inverter. Check whether the type of the PC board is correct and correct capacity setting adapter is connected.

Troubleshooting

Error code	Troubleshooting	
	Description of error	Description of diagnosis
U0 – 02	Gas shortage - Outdoor unit (Factor 0)	This error results from a shortage of refrigerant. Refer to the “U0” Troubleshooting flow chart and make a diagnosis, and then take countermeasures.
U0 – 03	Gas shortage - Outdoor unit (Factor 1)	This error results from a shortage of refrigerant cause by gas leakage. Charge refrigerant up to the normal refrigerant amount.
U0 – 04	Gas shortage - Outdoor unit (Factor 2)	This error results from clogging caused somewhere in the refrigerant piping system. Check for a failure to open the stop valve and clogging in the refrigerant system.
U2 – 01	Power supply voltage error	This error is supposed to have resulted from under- or over-voltage of the power supply, or faulty voltage sensor in the PC board.
U2 – 02	Open phase of power supply	Check for any open phase of the power supply.
U2 – 03	Main circuit capacitor charge error	There is abnormal circuit current flowing in the PC board. If wire connections related to the PC board are normal, replace the outdoor unit PC board.
U2 – 04	SP/MP - PAM overvoltage error	There is overvoltage between SP/MP and PAM(Single phase). If wire connections related to the PC board are normal, replace the outdoor unit PC board.
UA – 01	Incorrect number of indoor units connected	This error will be displayed if the locally-set number of indoor units is different from the detected number of indoor unit.
UA – 02	Multiple master units detected	There are a number of indoor units with a remote controller connected. Connect the remote controller to only one indoor unit.
UA – 03	Excess indoor units connected	This error will be displayed if five or more indoor units are connected.
UA – 05	Indoor-Outdoor transmission error between slave 1 and outdoor unit	There is an error in transmission between the outdoor unit and slave indoor unit 1. Check for the connection of the jumper between the slave indoor unit (with no remote controller connected) and the outdoor unit.
UA – 07	Indoor-Outdoor transmission error between slave 2 and outdoor unit	There is an error in transmission between the outdoor unit and slave indoor unit 2. Check for the connection of the jumper between the slave indoor unit (with no remote controller connected) and the outdoor unit.
UA – 09	Indoor-Outdoor transmission error between slave 3 and outdoor unit	There is an error in transmission between the outdoor unit and slave indoor unit 3. Check for the connection of the jumper between the slave indoor unit (with no remote controller connected) and the outdoor unit.
UF – 01	Incorrect wiring	There is an error in wire connections for transmission between indoor and outdoor units (judged with the indoor unit). Check for the connections of jumpers 1, 2, and 3 between the indoor and outdoor units.
UF – 02	Piping connected the other way round	There is an error in operation mode and refrigerant piping detection temperature. Check for any refrigerant piping connected the other way round, shortage of refrigerant, etc.