



DUCT TYPE AIR CONDITIONER

INDOOR UNIT

DH052EAM

DH070EAM

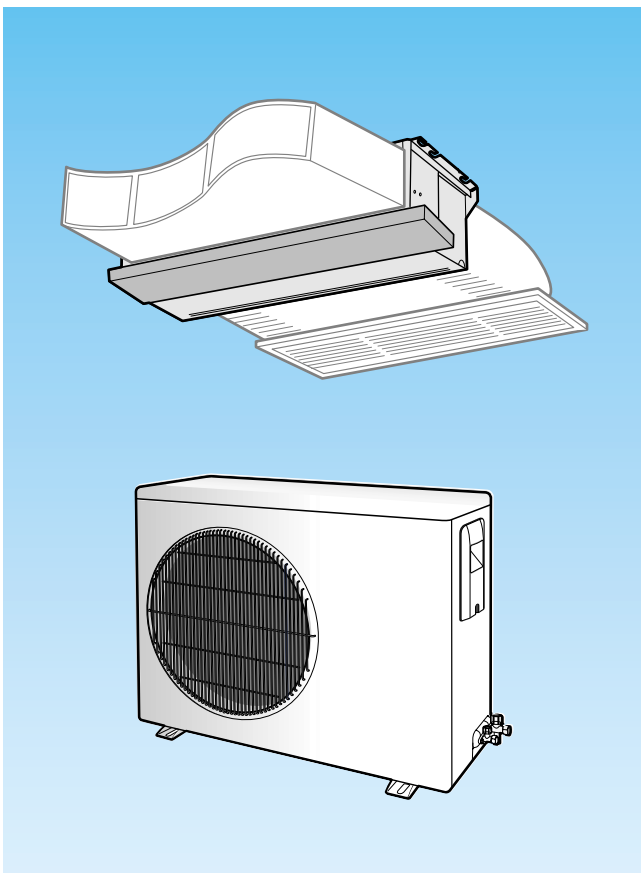
OUTDOOR UNIT

UH052EAMT

UH070EAMT

SERVICE *Manual*

AIR CONDITIONER



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1. Product Specifications

1-1 Table

MODEL		INDOOR UNIT		DH052EAM	DH070EAM
		OUTDOOR UNIT		UH052EAMT	UH070EAMT
Capacity		Cooling	BTU/hr	18,700	23,900
			Watts	5,500	7,000
		Heating	BTU/hr	20,400	26,300
			Watts	6,000	7,700
Power Supply				1ø, 220~240V~, 50Hz	1ø, 220~240V~, 50Hz
Indoor Unit	Power Input	Cooling	Watts	1,800	2,450
		Heating	Watts	1,900	2,650
	Running Current	Cooling	A	8.0	11.0
		Heating	A	8.4	11.9
	Fan Speed	U-High	r.p.m	800	940
		High	r.p.m	730	810
		Mid	r.p.m	680	760
		Low	r.p.m	630	710
	Air Circulation	U-High	m³/min	20	23
		High	m³/min	18	21
		Mid	m³/min	17	20
		Low	m³/min	16	19
	Noise Level (Sound Pressure)	High	dB(A)	45	46
		Mid	dB(A)	44	45
		Low	dB(A)	43	44
	Heat Exchanger	Type		Slit-fin coil	Slit-fin coil
		Row x Stages x Fin Pitch		2 x 12 x 1.5(1,100mm)	2 x 12 x 1.5(1,100mm)
	Fan	Type		Sirocco	Sirocco
		Motor Output	W	97	97
	Dimension	H	mm	260	260
		W	mm	1,340	1,340
		D	mm	600	600
	Weight	Net / Gross	kg	41 / 47	41 / 47
Outdoor Unit	Fan Speed	High	r.p.m	750	850
		Low	r.p.m	400	340
	Sound Pressure Level		dB(A)	61	61
	Fan	Type		Propeller Fan	Propeller Fan
		Motor Output	W	60	73
	Compressor	Type		Rotary	Rotary
		Model		NN21VBAMT	NN29VACMT
		Motor Output	kW	1.3	1.9
		Protection		Internal	Internal
	Heat Exchanger	Type		Slit-fin coil	Slit-fin coil
		Row x Stages x Fin Pitch		2 x 28 x 1.5	2 x 28 x 1.5
	Refrigerant	Control		EEV	EEV
		Type		R410A	R410A
		Charge	g	1,550	1,650

Table(cont.)

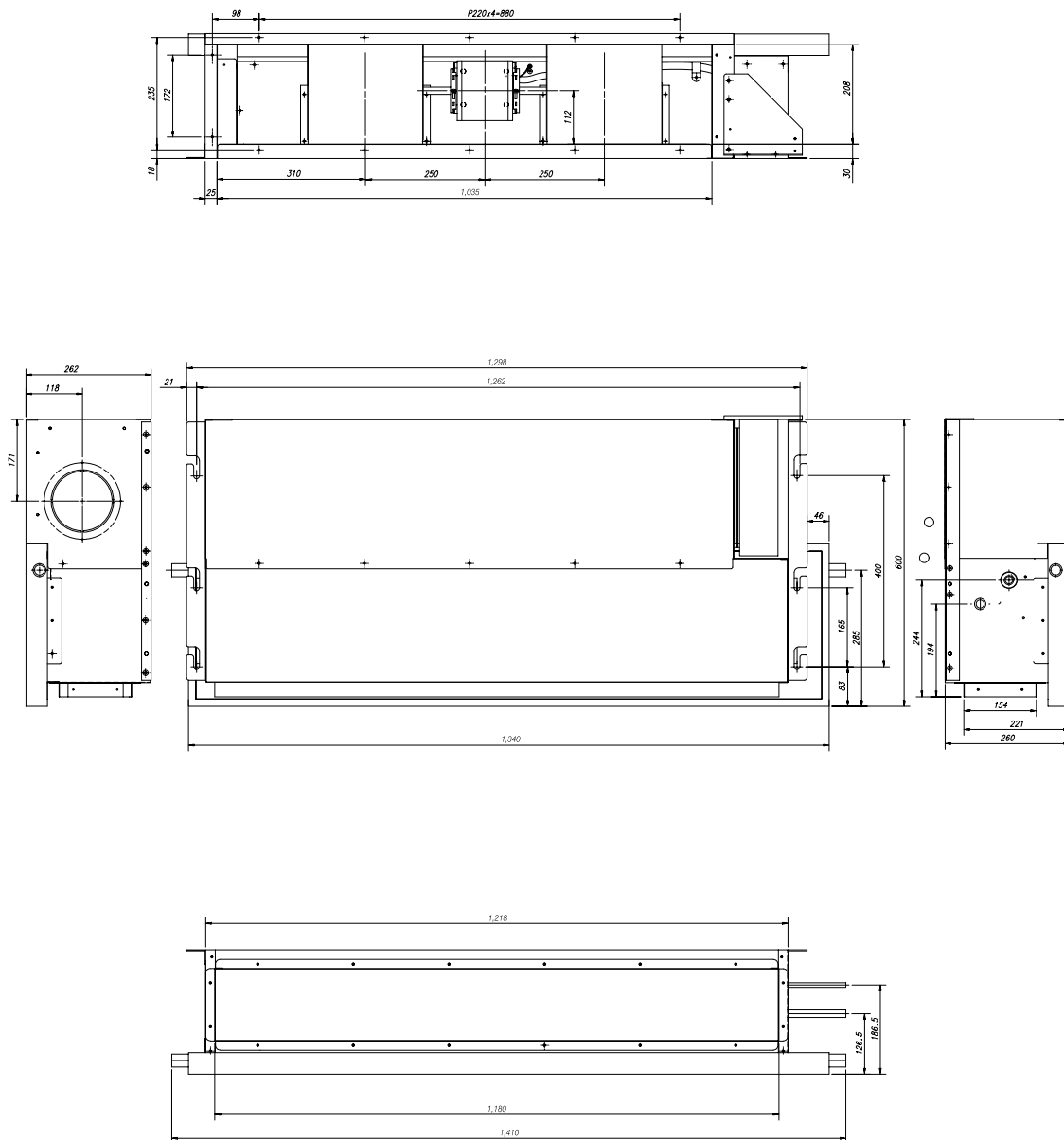
MODEL		INDOOR UNIT		DH052EAM	DH070EAM
		OUTDOOR UNIT		UH052EAMT	UH070EAMT
Outdoor Unit	Dimension	H	mm	648	648
		W	mm	880	880
		D	mm	310	310
	Weight	Net / Gross	kg	67 / 72	69 / 74
Condition	Indoor Unit	Cool(DB/WB)	°C	27 / 19	27 / 19
		Heat(DB/WB)	°C	20 / 15	20 / 15
	Outdoor Unit	Cool(DB/WB)	°C	35 / 24	35 / 24
		Heat(DB/WB)	°C	7 / 6	7 / 6
Piping	Pipe O.D. Size	Liquid	mm(inch)	6.35(1/4")	6.35(1/4")
		Gas	mm(inch)	12.7(1/2")	15.88(5/8")
	Connection Method			Flare	Flare
	Between	Height	m	Max. 15	Max. 15
		Pipe Length	m	Max. 30	Max. 30

Notice : This model is tested under the external static pressure of 4mmAq.
Air Flow rate : Fan Step Control : Low → Mid → High → Ultra High

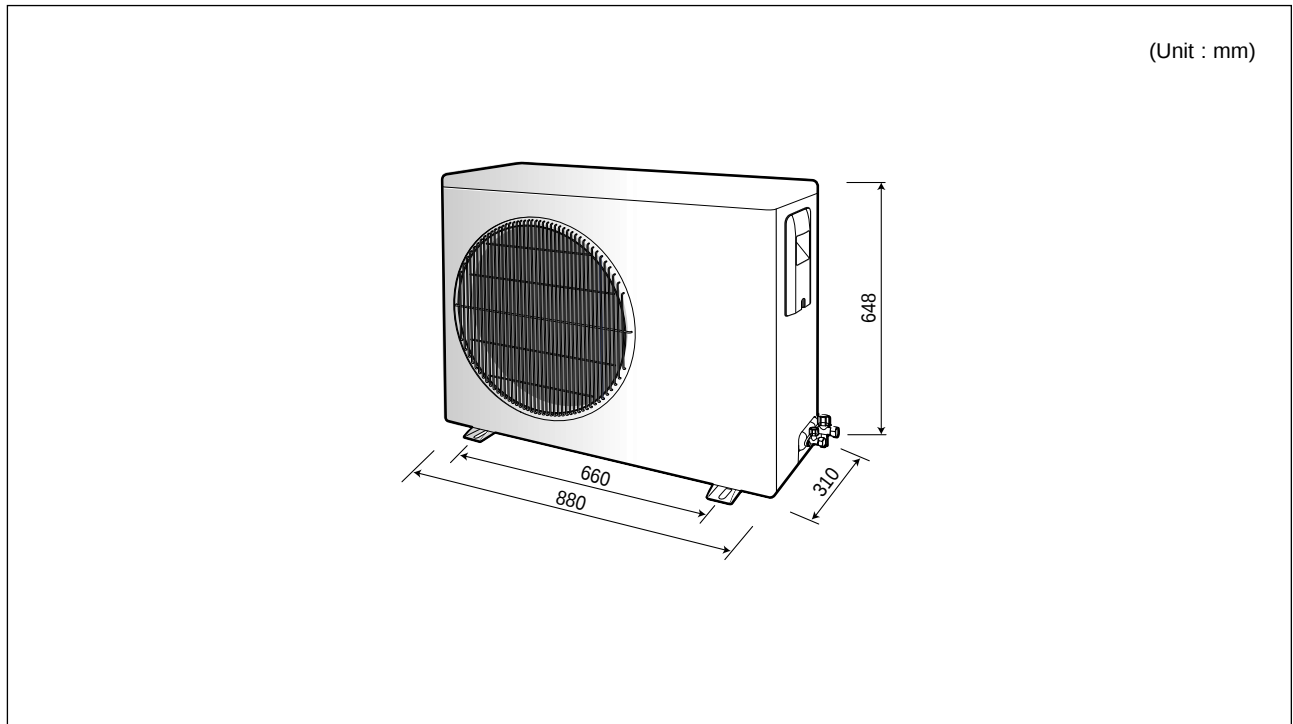
1-2 Dimensions

1-2-1 Indoor Unit

(Unit : mm)



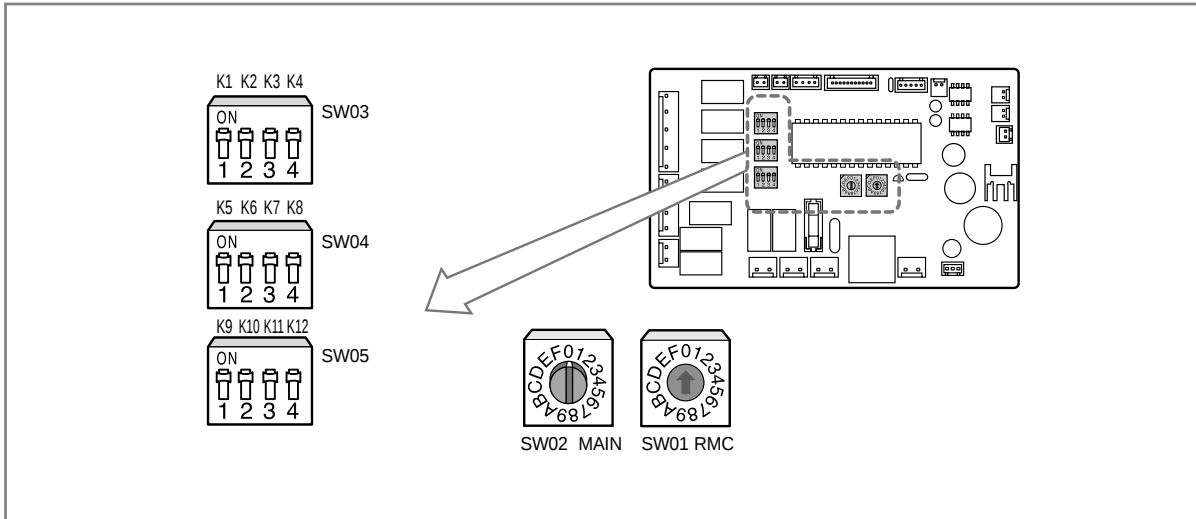
1-2-2 Outdoor Unit



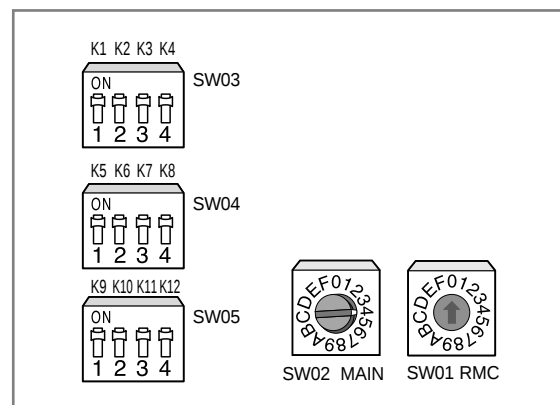
2. Installation

2-1 Assigning Address to Indoor Unit

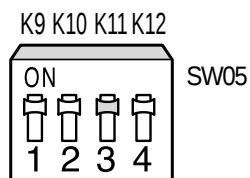
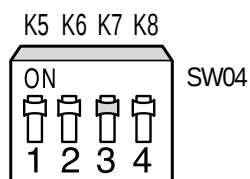
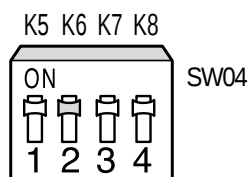
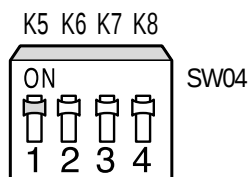
1. Before installing the indoor unit, assign an address to the indoor unit according to the air conditioning system plan.
2. The address of the indoor unit is assigned by adjusting MAIN(SW02) and RMC(SW01) rotary switches.



3. The MAIN address is for communication between the indoor unit and the outdoor unit. Therefore, you must set it to operate the air conditioner properly.
4. It is required to set the RMC address if you install the wired remote controller and/or the centralized controller.
5. If you install optional accessories such as the wired remote controller, centralized controller, etc. see an appropriate installation manual.
6. If an optional accessory is not installed, you do not have to set the RMC address. However, adjust K1 and K2 switches of the SW03 DIP switch to "ON" position in this case.
7. Set the MAIN address by adjusting the rotary switch(SW02) from 0 to F. Each indoor unit connected to the same outdoor unit must have different address.
 - i. e. If an indoor unit does not have an optional accessory and its MAIN address is "4".



2-2 Additional functions



Compensation for lost temperature in heating operation

- ◆ Reduces the difference between an actual room temperature and a sensed temperature by the air conditioner when heating.

Switch No.	Switch ON	Switch OFF
K5	2°C compensation	5°C compensation

Adjusting filter cleaning cycle

- ◆ You can adjust the cycle for filter sign indicator.

Switch No.	Switch ON	Switch OFF
K6	1000 hours	2000 hours

Hot water heater

- ◆ You must adjust the K7 when you install the hot water heater.

Switch No.	Switch ON	Switch OFF
K7	No use of hot water heater	Use of hot water heater

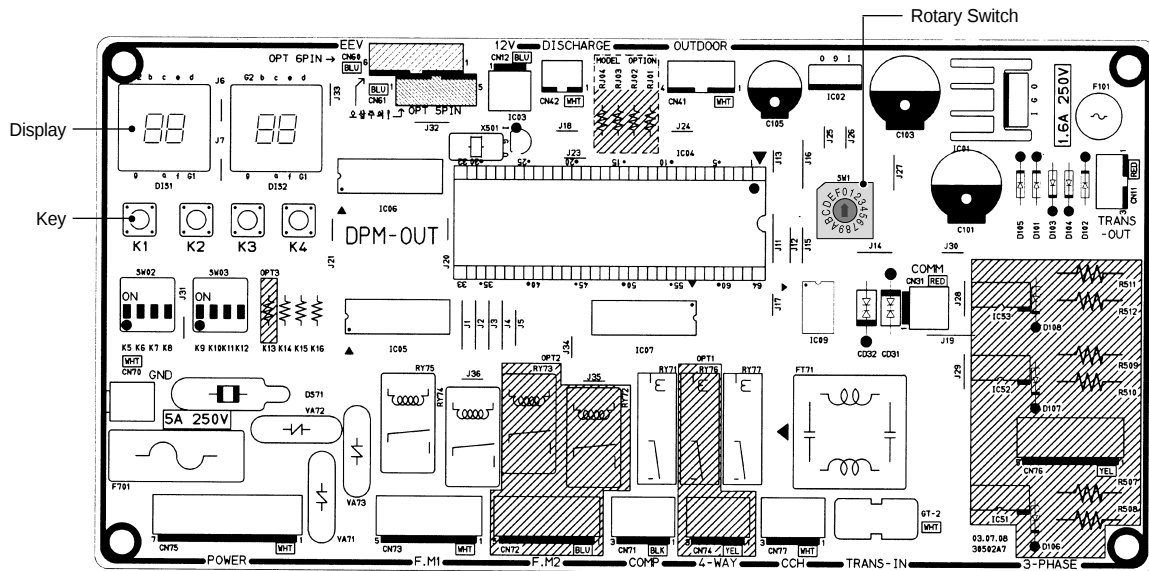
External Control

- ◆ You must adjust the K11 when you use external control.

Switch No.	Switch ON	Switch OFF
K11	No use of external control	Use of external control

2-3 Setting Up Option Switches

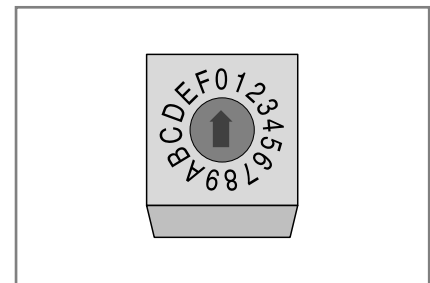
■ Option Switch



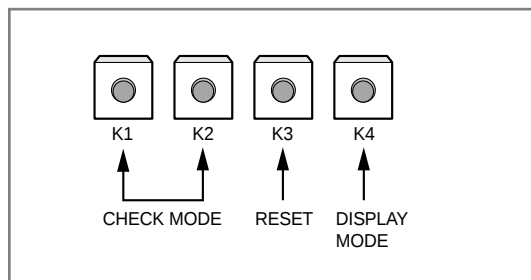
■ Rotary Switch

You should display that how many indoor units are connected to the outdoor unit. Refer to the table below, then turn the arrow to appropriate position.

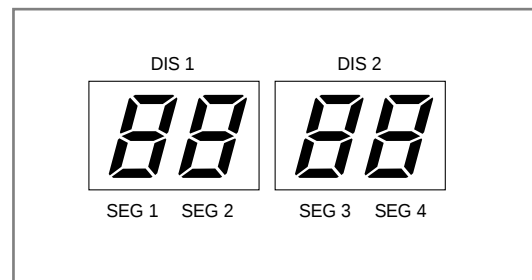
Switch No.	Number of indoor unit(s)	Switch No.	Number of indoor unit(s)
0 or 1	One	9	Nine
2	Two	A	Ten
3	Three	B	Eleven
4	Four	C	Twelve
5	Five	D	Thirteen
6	Six	E	Fourteen
7	Seven	F	Fifteen
8	Eight	-	-



■ KEY



■ Display



■ Summary of KEY functions

Function Number of press times	K1 (Displayed on SEG 3, 4)	K2 (Displayed on SEG 3, 4)	K3 (Displayed on SEG 3, 4)	K4 (Displayed on SEG 3, 4)
1	Adding refrigerant at heating mode	Adding refrigerant at cooling mode	Reset	Displays data
2	Test operation at heating mode	Test operation at cooling mode	-	-
3	End	Pump Down for recovery of refrigerant	-	-
4	-	End	-	-

* Use the K1 only for heat pump models.

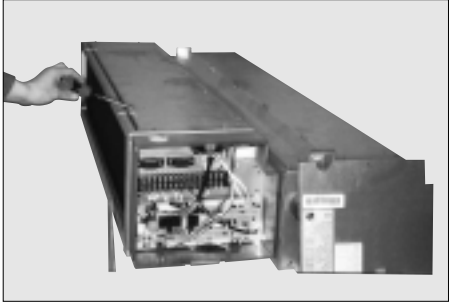
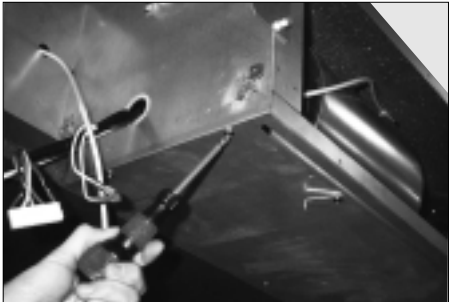
■ Reading data indicated on the display

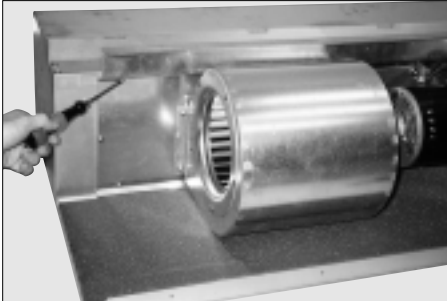
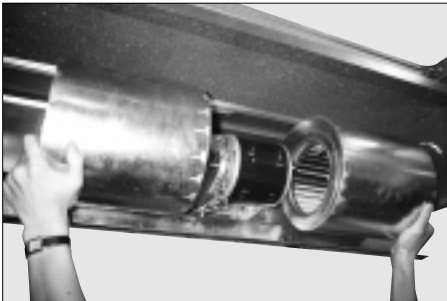
KEY	Number of press	Item	Example	
			Display	Meaning
K1	1	Adding refrigerant for heat pump models	88F1	
	2	Test operation for heat pump models	88F2	
	3	End	8888	
K2	1	Adding refrigerant for cooling only models	88F3	
	2	Test operation for cooling only models	88F4	
	3	Pump Down for recovery of refrigerant	88F5	
	4	End	8888	
K3		Reset	8888	
K4	1	Discharge temperature of compressor	38.10	110 °C
	2	Temperature of outdoor heat exchanger	48.38	38 °C
	3	Outdoor temperature	58.34	34 °C
	4	Step of electronic expansion valve (0 step : all closed, 480 step : all open)	68.12	120STEP (12 x 10)
	5	Temperature of evaporator	78.82	-2 °C
			78.12	12 °C
	6	Indoor temperature	88.22	22 °C
	7	Stopping view mode & display communication data	8888	

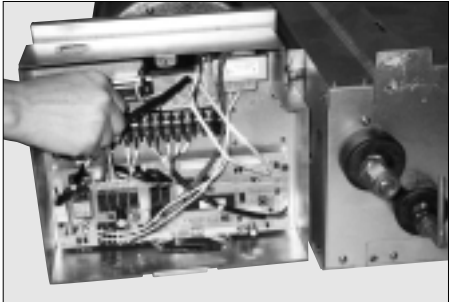
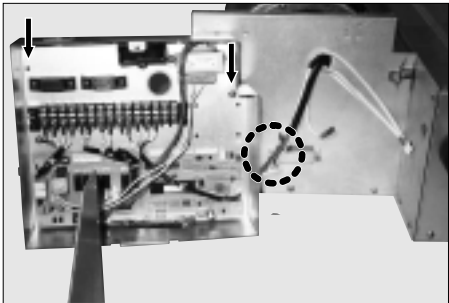
3. Disassembly and Reassembly

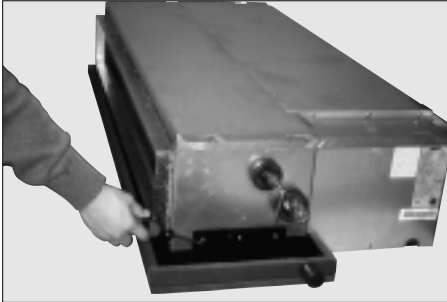
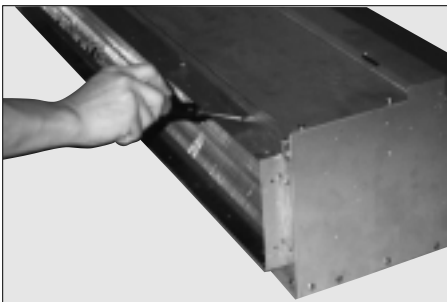
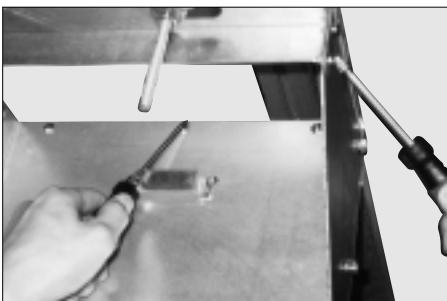
Stop operation of the air conditioner and remove the power cord before repairing the unit.

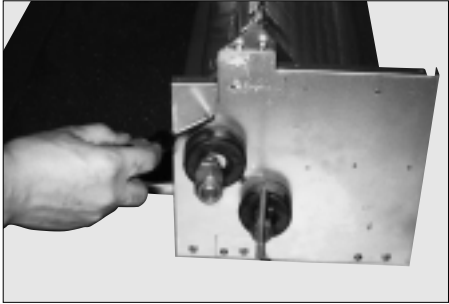
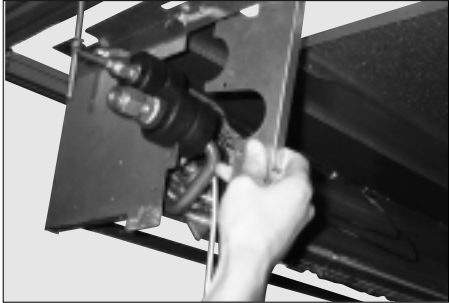
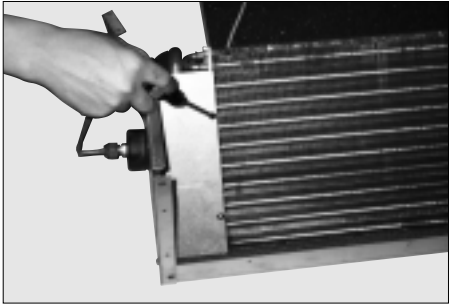
3-1 Indoor Unit

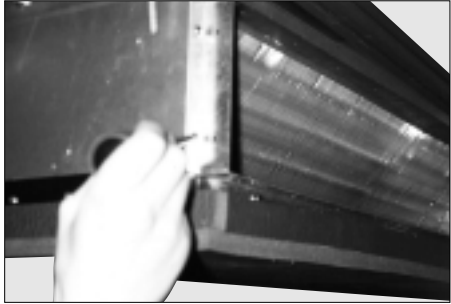
No	Parts	Procedure	Remark
1	Filter-Pre	1) Disassemble 2 screws of indication part and then assemble the direction of 2 Plate-Handle places by use of screw as shown in 2). 2) Turn the Plate Handle by hand when removing the Filter-Pre. 3) When pulling the Filter-Pre handle, the Filter-Pre can be assembled. * Be sure to remove the cushion on the  marked part after initial installation. (It cause the damage of noise).	  
2	Blower & Duct	1) After disassembling 9 places indicating screws, detach Ass'y Cover Bottom.	

No	Parts	Procedure	Remark
		2) Disassemble 6 indicating screws. 3) Detach the Sensor Holder from the Ass'y Fan Case. 4) Detach from Ass'y Control In the capacitor connection wire between the Motor-Fan in and housing Connector. 5) Detach the Ass'y Blower and Duct from the set.	    

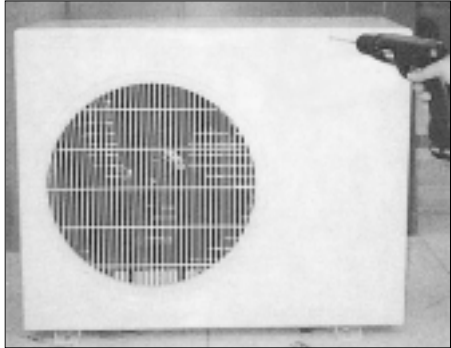
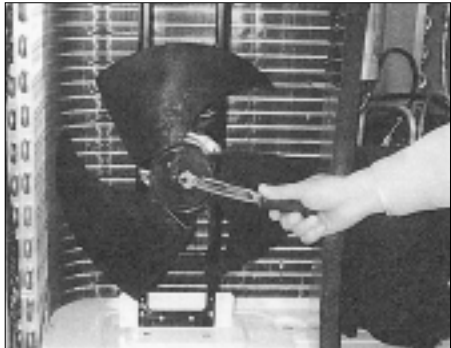
No	Parts	Procedure	Remark
3	Control In	1) After disassembling 1 indicating screw, detach the Cover-Control. 2) Detach the Motor-Fan in and Sensor Connector connected to PCB. 3) Disassemble 2 indicating screws. (arrow mark) 4) Hold the Ass'y Control In by hand to lift up a little and then release the status of hanging on the hanging slot.	    

No	Parts	Procedure	Remark
4	Drain Pan	1) Disassemble 4 indicating screws to detach Ass'y Drain Pan. (2 screws each at left and right side)	 
5	EVAP	* Work is possible when disassembling the Ass'y Drain Pan. 1) Disassemble 8 indicating screws. (4 each at left and right side) 2) Disassemble 6 indicating screws. 3) Disassemble 5 indicating screws. * It is possible at the status of No.3 Ass'y Control In disassembly at the time.	  

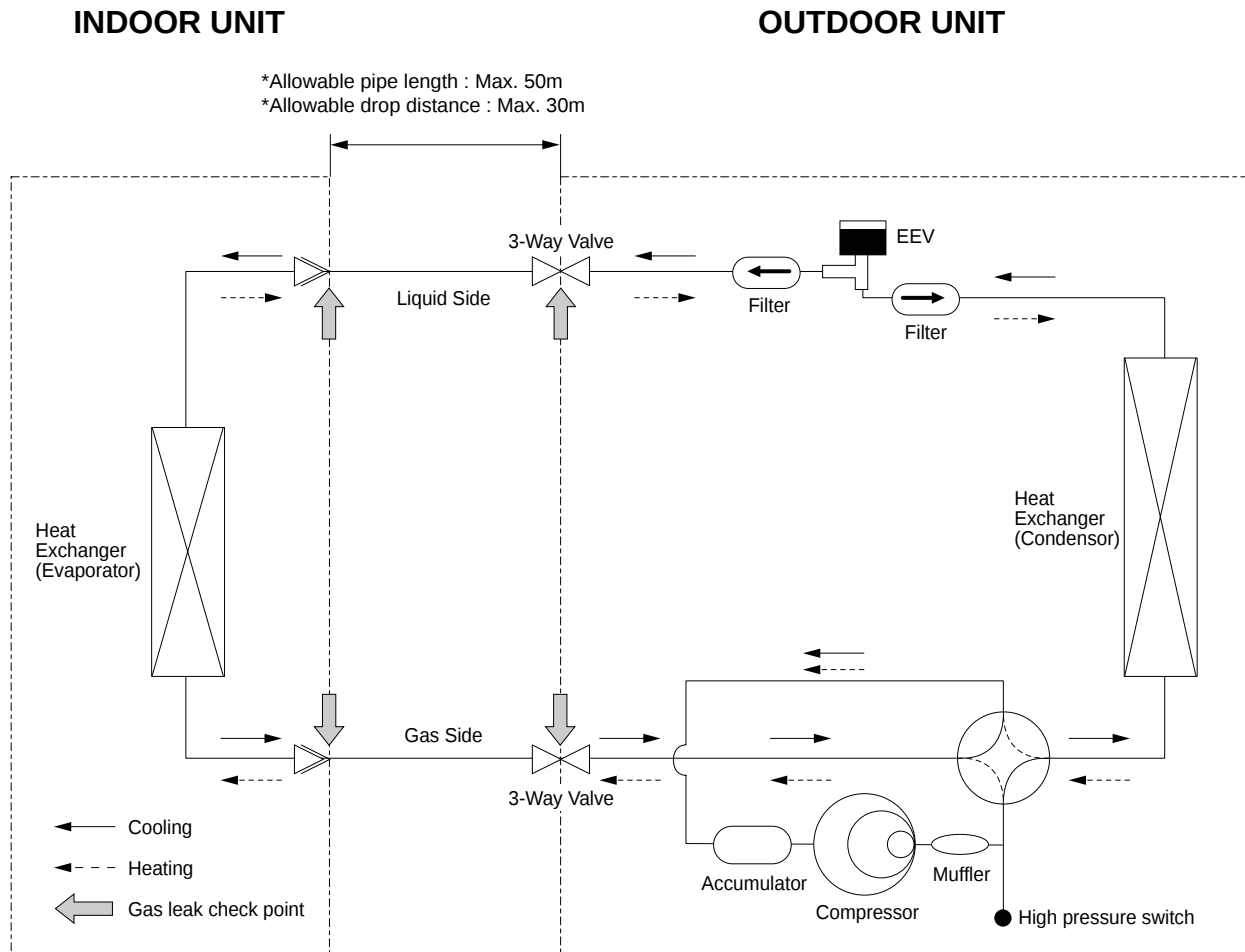
No	Parts	Procedure	Remark
		4) After disassembling 4 indicating screws.	
		5) Pull the Cabinet-Side LF, RH by hand to disassemble.	
		6) Separate 4 indicating screws. (2 each at left and right side)	
		7) Detach it from the set if the Ass'y-Evap pull up.	

No	Parts	Procedure	Remark
6	Holder Outlet	* When connecting canvas to the discharge side. 1) Disassemble 4 indicating screws. (2 each at left and right side) 2) Disassemble 12 indicating screws. (6 each at upper and lower side) * After connecting canvas to the disassembled Ass'y Holder Outlet 2), attach the Ass'y Holder Outlet to the set in the reverse order.	 

3-2 Outdoor Unit

No	Parts	Procedure	Remark
1	Cabinet	1) Turn off the unit and remove the power cable. 2) Detach the top Cover. 3) Detach the Control Box Cover. 4) Unplug the Ass'y Cable. 5) Detach the Cabinet-Side. 6) Detach the Cabinet-Front. * When you assemble the parts, check if the each parts and Component Electric Box are fixed firmly.	
2	Fan Motor & Propeller Fan	1) Detach the Nut Flange. (Turn to the clockwise) 2) Disassemble the Propeller Fan.	

4. Refrigerating Cycle Diagram



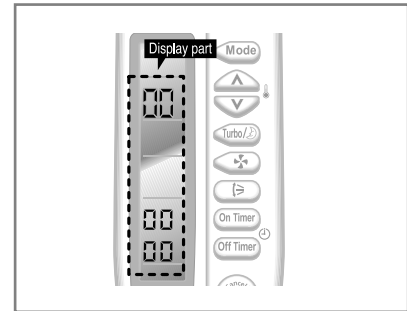
5. Set Up the Model Option

5-1 Setting Option Setup Method

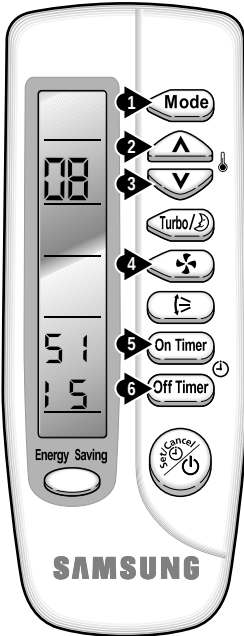
ex) Option No. : 005115-1 d2340

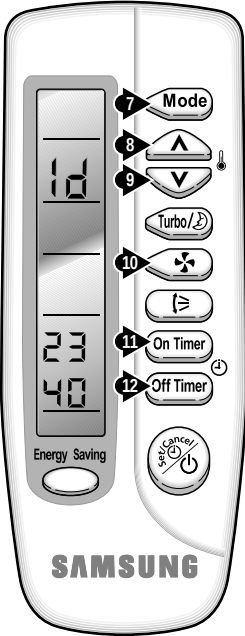
Step 1 : Enter the Option Setup mode.

- 1st Take out the batteries of remote control.
- 2nd Press the temperature  button simultaneously and insert the battery again.
- 3rd Make sure the remote display shown as .



Step 2 : Enter the Option Setup mode and select your option according to the following procedure.

 * Setting is not required if you must  a value which has a  default.	1 The default value is  . Otherwise, push the  button to  . Every time you push the button, the display panel reads 1 or  repeatedly.
	2 Push the  button to set the display panel to 8 . Every time you push the button, the display panel reads  → 1 → 2 → 3 → ... 9 → A → b → c → d → E → F repeatedly.
	3 Push the  button to set the display panel to 5 . Every time you push the button, the display panel reads  → 1 → 2 → 3 → ... 9 → A → b → c → d → E → F repeatedly.
	4 Push the  button to set the display panel to 1 . Every time you push the button, the display panel reads  → 1 → 2 → 3 → ... 9 → A → b → c → d → E → F repeatedly.
	5 Push the  button to set the display panel to 1 . Every time you push the button, the display panel reads  → 1 → 2 → 3 → ... 9 → A → b → c → d → E → F repeatedly.
	6 Push the  button to set the display panel to 5 . Every time you push the button, the display panel reads  → 1 → 2 → 3 → ... 9 → A → b → c → d → E → F repeatedly.



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- 7 Press button, then the default value is .
- 8 Push the button to set the display panel to .
Every time you push the button, the display panel reads → → → → ... → → → → → → → repeatedly.
- 9 Push the button to set the display panel to .
Every time you push the button, the display panel reads → → → → ... → → → → → → → repeatedly.
- 10 Push the button to set the display panel to .
Every time you push the button, the display panel reads → → → → ... → → → → → → → repeatedly.
- 11 Push the button to set the display panel to .
Every time you push the button, the display panel reads → → → → ... → → → → → → → repeatedly.
- 12 Push the button to set the display panel to .
Every time you push the button, the display panel reads → → → → ... → → → → → → → repeatedly.

* Setting is not required if you must a value which has a default.

Step 3 : Upon completion of the selection, check you made right selections.

Press the Mode Selection key, to set the display part to and check the display part.

→ The display part shows .

Press the Mode Selection key, to set the display part to and check the display part.

→ The display part shows .

Step 4 : Pressing the ON/OFF button ()

When pressing the operation ON/OFF key with the direction of remote controller for unit, the sound "Ding" or "Diring" is heard and the OPERATION ICON() lamp of the display is flickering at the same time, then the input of option is completed. (If the diring sound isn't heard, try again pressing the ON/OFF button.)

Step 5 : Unit operation test-run

First, Remove the battery from the remote controller.

Second, Re-insert the battery into the remote controller.

Third, Press ON/OFF button() with the direction of remote controller for set.

• Error Mode

1st If all lamps of indoor unit are flickering, Plug out and plug in again and pressing ON/OFF key to retry.

2nd If the unit is not working properly or all lamps are continuously flickering after setting the option code, see if the correct option code is set up for it's model.

■ OPTION ITEMS

REMOCON MODEL	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6	SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
DH052EAM	0	1	5	4	4	4	1	A	0	0	0	0
DH070EAM	0	1	5	4	4	2	1	c	0	0	0	0

6. Troubleshooting

■ Detection of errors

- If an error occurs during the operation, an LED flickers and the operation is stopped except the LED.
- If you re-operate the air conditioner, it operates normally at first, then detect an error again.

6-1 Wired remote controller display specification at error occurring

- If an error occurs,  is displayed on the wired remote controller.
If you would like to see an error code, press the Test button.

Display	Description	Remarks
416	Compressor down due to protection control of the discharge temperature sensor	Error about protection control of the outdoor unit
450	Control due to the condenser temperature sensor when cooling mode	
451	Error of the low pressure switch (Protection control)	
425	Reverse phase error (Protection control)	
551	In removing frost	
221	Error of the outdoor temperature sensor (Open/Short)	Error about the outdoor unit sensor (Open/Short) Detection during the operation of the indoor unit (sensing and sending errors into the communication data)
231	Error of condensor temperature sensor (Open/Short)	
251	Error of discharge temperature sensor (Open/Short)	
201	- System down caused by communication error after completion of tracking - Mismatching of the indoor unit numbers set with those communication after completion of 5 times tracking	Communication and the indoor unit errors
121	Error of temperature sensor in the indoor unit (Open/Short)	Self-diagnosis of the indoor and outdoor unit
122	Error of the heat exchanger sensor in the indoor unit (Open/Short)	
419	Error of electronic expansion valve open in the outdoor unit (when it is detected more than once)	
422	Error of electronic expansion valve close in the outdoor unit (when it is detected more than once)	
601	Error of communication between the indoor unit and the wired remote controller	Wired remote controller errors
602	Master wired remote controller ↔ Slave wired remote controller	
606	COM1/COM2 Cross-installed error	
8EA	Error of setting option for wired remote controller COM2	

6-2 LED Display on the receiver & display unit

■ LED Display

Abnormal conditions	Indicators					Operating
	Concealed Type					
	Blue	Red				
	Standard Type					
Power reset		×	×	×	×	
Error of temperature sensor in indoor unit (OPEN/SHORT)	×	×		×	×	Displayed on appropriate indoor unit which is operating
Error of heat exchanger sensor in indoor unit(OPEN/SHORT)		×		×	×	Displayed on appropriate indoor unit which is operating
Error of outdoor temperature sensor Error of COND sensor Error of DISCHARGE sensor (OPEN/SHORT)		×	×		×	Displayed on appropriate indoor unit which is operating Displayed on outdoor unit
1. No communication for 2 minutes between indoor unit and outdoor unit (communication error for more than 2 minutes) 2. Indoor unit receiving the communication error from outdoor unit 3. Outdoor unit tracking 3 minute error 4. When sending the communication error from outdoor unit the mismatching of the communication numbers and installed numbers after completion of tracking. (communication error for more than 2 minutes)	×	×			×	1. Error of indoor unit: Displayed on the indoor unit regardless of operation 2. Error of outdoor unit: Displayed on the indoor unit which is operating
1. Communication error between indoors (Communication error for more than 2 minutes) 2. Slave of indoor unit tracking error		×	×	×		Error of indoor unit: Displayed on the indoor unit regardless of operation
1. 2nd detection of high temperature COND 2. 2nd detection of high temperature DISCHARGE 3. Error of reverse phase	×	×				Displayed on appropriate indoor unit which is operating Displayed on outdoor unit
Error of float switch	×	×	×			
Error of setting option switches for optional accessories	×	×		×		
EEPROM error		×			×	
EEPROM option error						

- If you turn off the air conditioner when the LED is flickering, the LED is also turned off.
- If you re-operate the air conditioner, it operates normally at first, then detect an error again.

● : On ● : Flickering × : Off

6-3 Outdoor Unit

If an error occurs during the operation, it is displayed on the outdoor unit PCB.

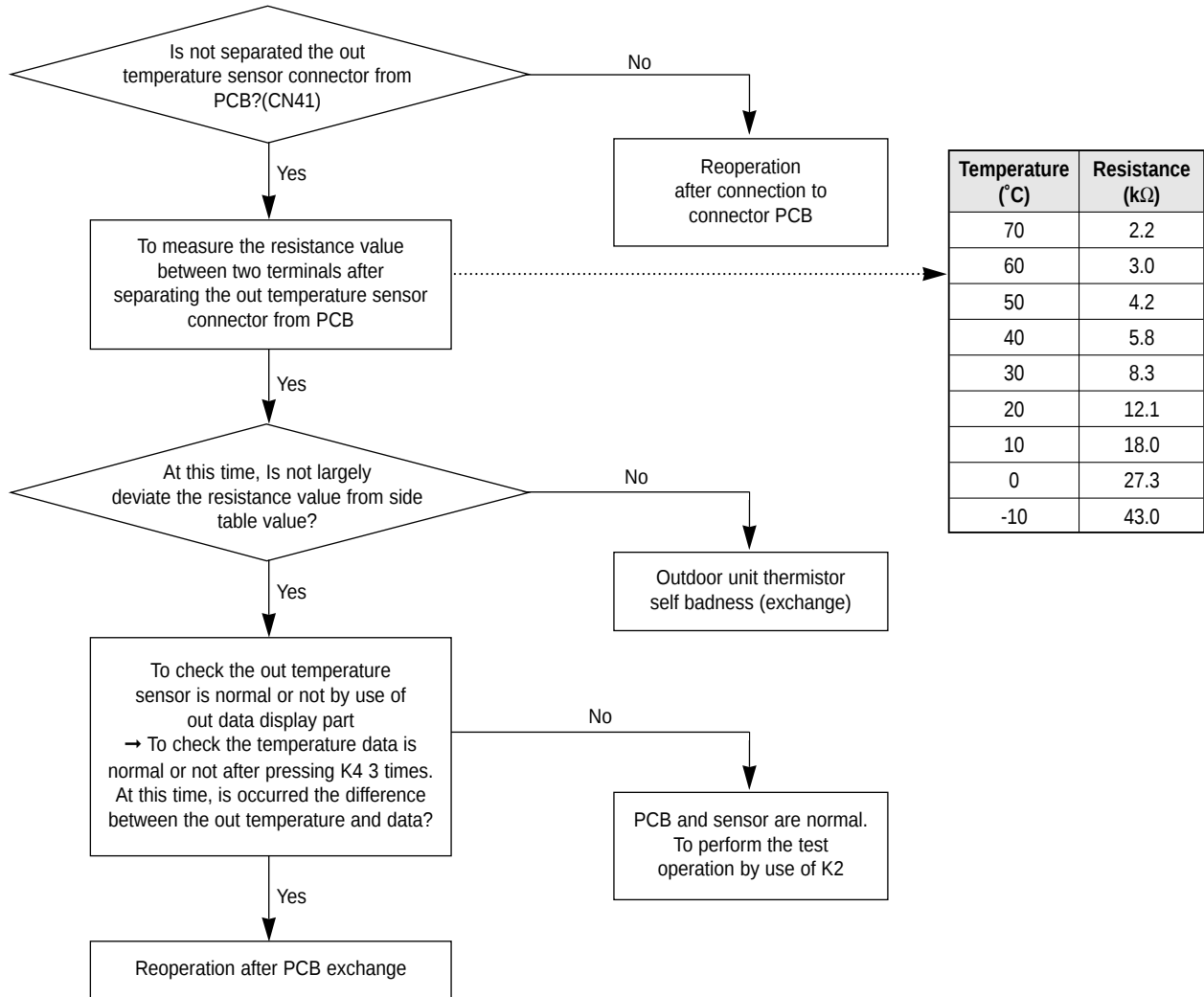
Display	Explanation	Remark
$E_r \leftrightarrow P0$	High temperature of Discharge (Protection control)	Error about protection control of outdoor unit
$E_r \leftrightarrow P1$	High temperature of outdoor heat exchanger (Protection control)	
$E_r \leftrightarrow P5$	COMP DOWN to protect being frozen	
$E_r \leftrightarrow P6$	Error of momentary power failure (disappears when the unit is Off/On)	
$E_r \leftrightarrow t1$	Error of OUT TEMP sensor (OPEN/SHORT)	Errors about outdoor unit sensor (OPEN/SHORT) Detection during the operation of indoor unit (Sensing and sending errors into the communication data)
$E_r \leftrightarrow t2$	Error of temperature sensor in outdoor heat exchanger (OPEN/SHORT)	
$E_r \leftrightarrow t3$	Error of Discharge TEMP sensor (OPEN/SHORT)	
$E_r \leftrightarrow E1$	System Down caused by communication error after completion of tracking	Communication and indoor unit errors
$E_r \leftrightarrow E2$	Mismatching of the indoor unit numbers set with those communicated after completion of tracking	
$E_r \leftrightarrow E3$	Error of float switch in indoor unit	Self-diagnosis of indoor and outdoor unit (x:indoor unit address)
$E_r \leftrightarrow E5$	Error of setting option switches for optional accessories	
$E_r \leftrightarrow 9x$	OPEN/SHORT error of room sensor in indoor unit	
$E_r \leftrightarrow rx$	OPEN/SHORT error of eva in sensor in indoor unit	
$E_r \leftrightarrow Ux$	EEPROM option error	Displays of operating status
$E_r \leftrightarrow ux$	Error of fan starting	
$E_r \leftrightarrow G4$	Open error of electronic expansion valve in outdoor unit (Detected once or more times)	
$E_r \leftrightarrow G5$	Close error of electronic expansion valve in outdoor unit (Detected once or more times)	
tU Flicker	Below -5°C when cooling (Outdoor temperature)	
tO Flicker	Over 30°C when heating (Outdoor temperature)	
K1, K2, K3, K4, K5 Flicker		

The order of priority : E1 → E2 → E4 → E5 → P0 → P1 → P5 → P6 → t1 → t2 → t3 → tu → to → G4 → G5 → E3 → qx → rx → vx → K1, K2, K3, K4, K5
 - In case that the same error displays from multi-indoor units, the one having the faster address has the priority.

6-4 Sequence for trouble diagnosis

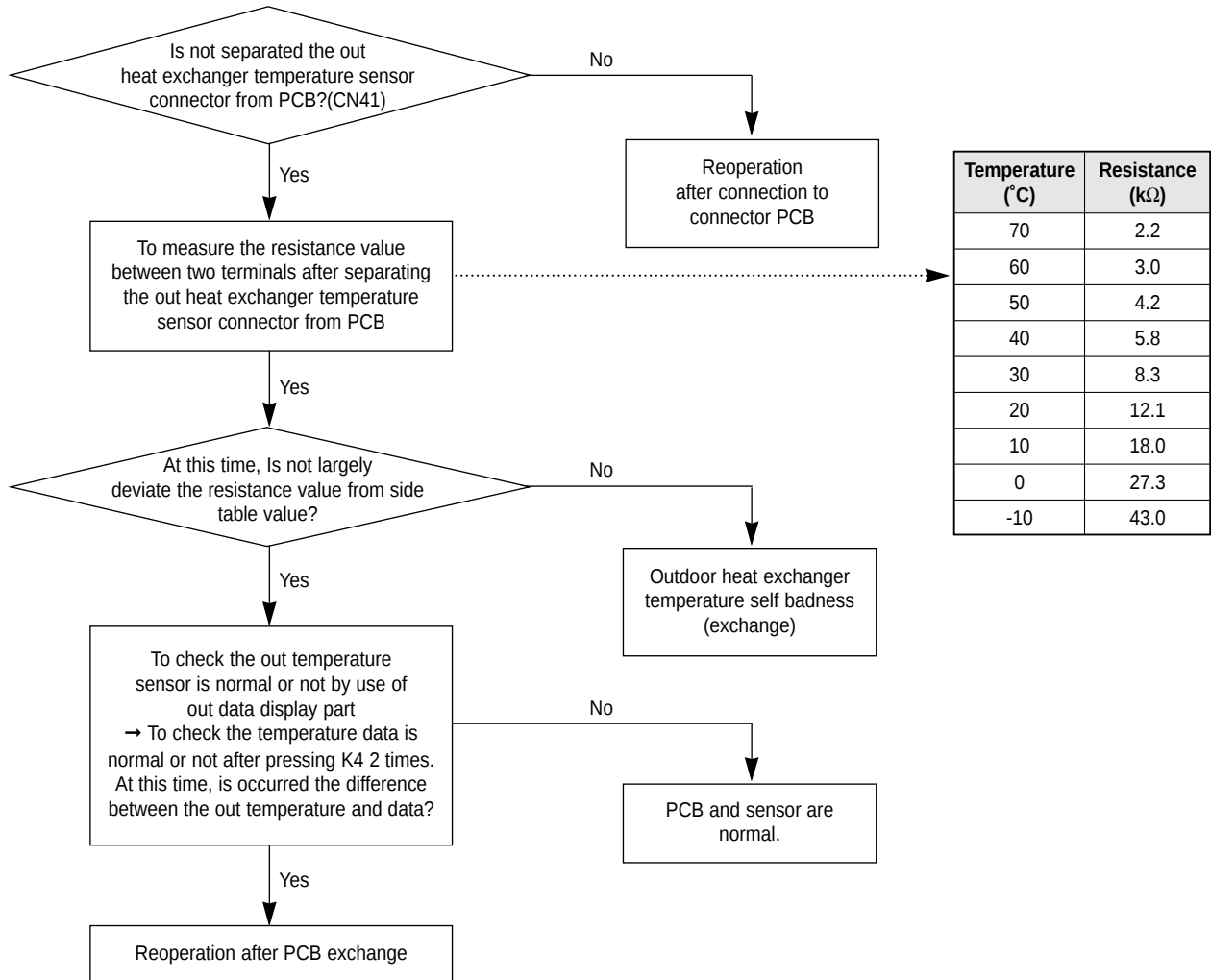
6-4-1 Outdoor temperature sensor(OPEN/SHORT)

Outdoor unit display	Er → t1 (Outdoor temperature sensor OPEN/SHORT error)
Indoor unit display	× (Operation) ● (Timer) ● (Airflow) ● (Filter)
How to determine	Disconnection and short of outdoor temperature sensor
Reason of error	Disconnection or leak of applied sensor



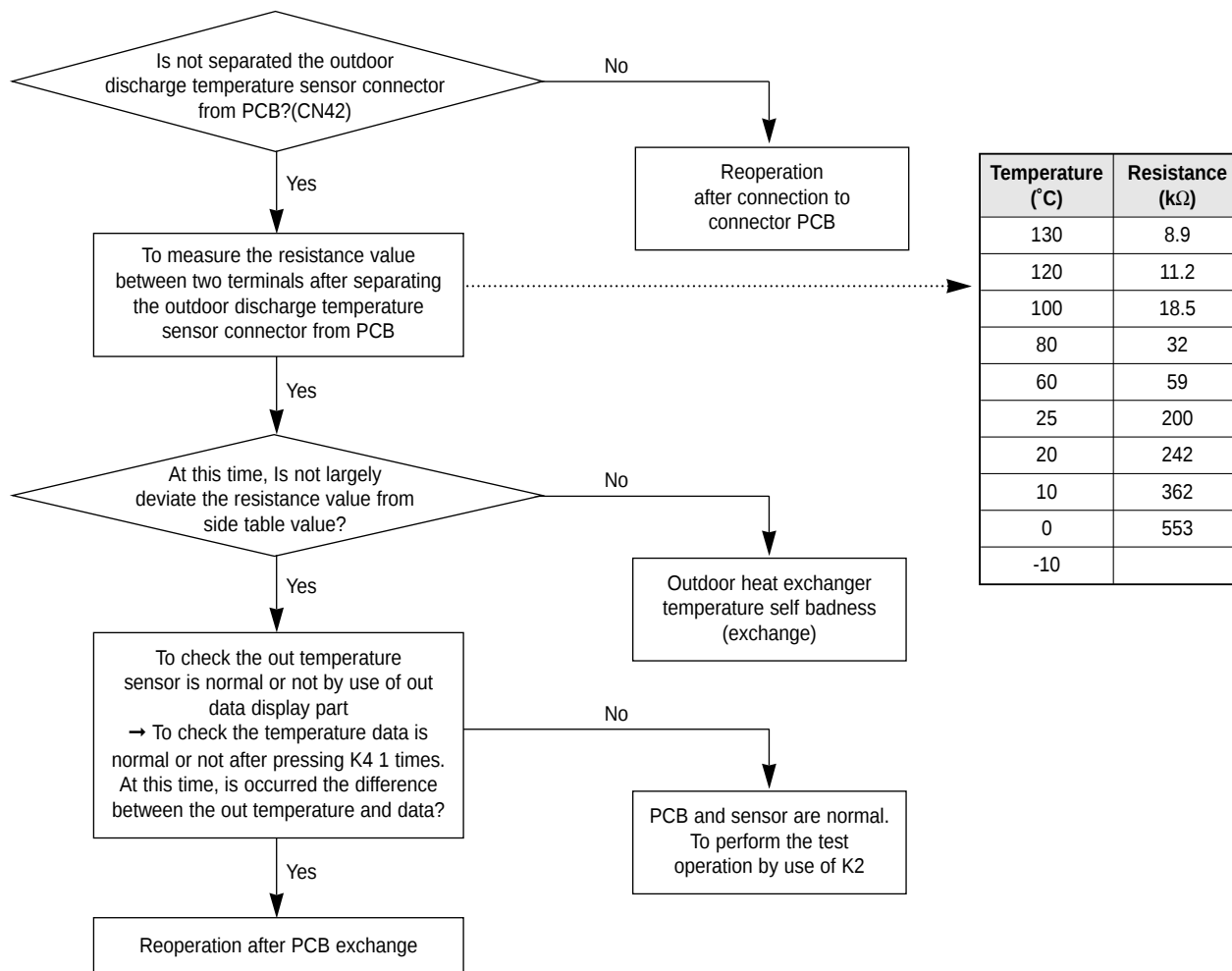
6-4-2 Outdoor heat exchanger temperature sensor error(OPEN/SHORT)

Outdoor unit display	Er → t2 (Outdoor heat exchanger temperature sensor error(OPEN/SHORT))
Indoor unit display	× (Operation) ● (Timer) ● (Airflow) ● (Filter)
How to determine	Disconnection and short of outdoor heat exchanger temperature sensor
Reason of error	Disconnection or leak of Applied sensor



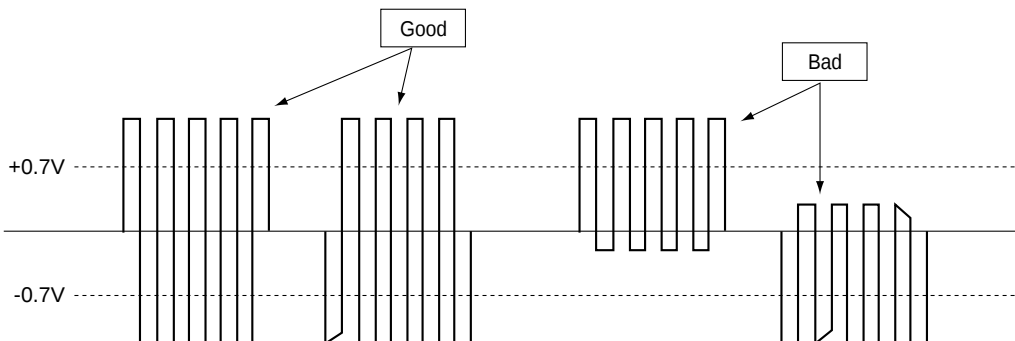
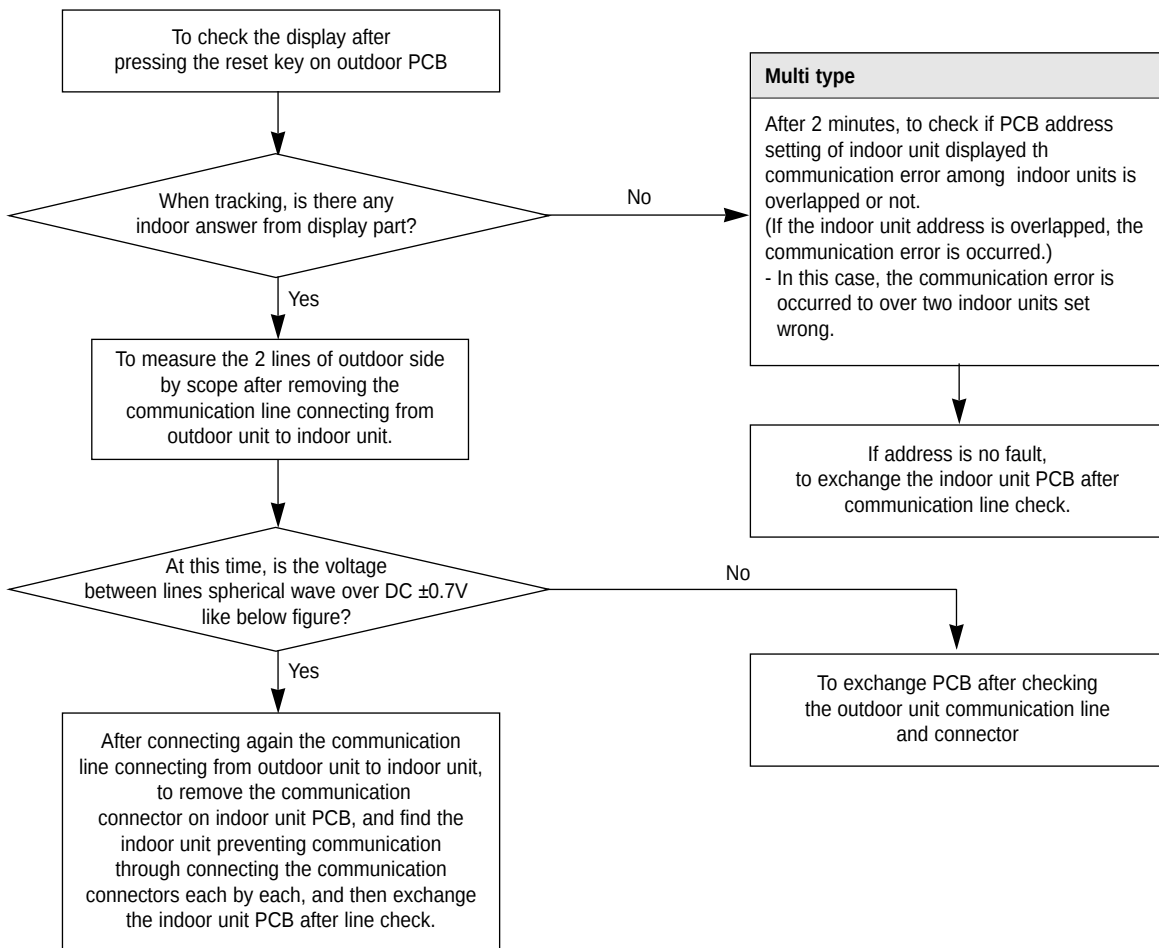
6-4-3 Outdoor discharge temperature sensor error(OPEN/SHORT)

Outdoor unit display	Er → t3 (Outdoor discharge temperature sensor OPEN/SHORT error)
Indoor unit display	● (Operation) × (Timer) ● (Airflow) × (Filter)
How to determine	Disconnection and short of outdoor heat exchanger temperature sensor
Reason of error	Disconnection or leak of Applied sensor



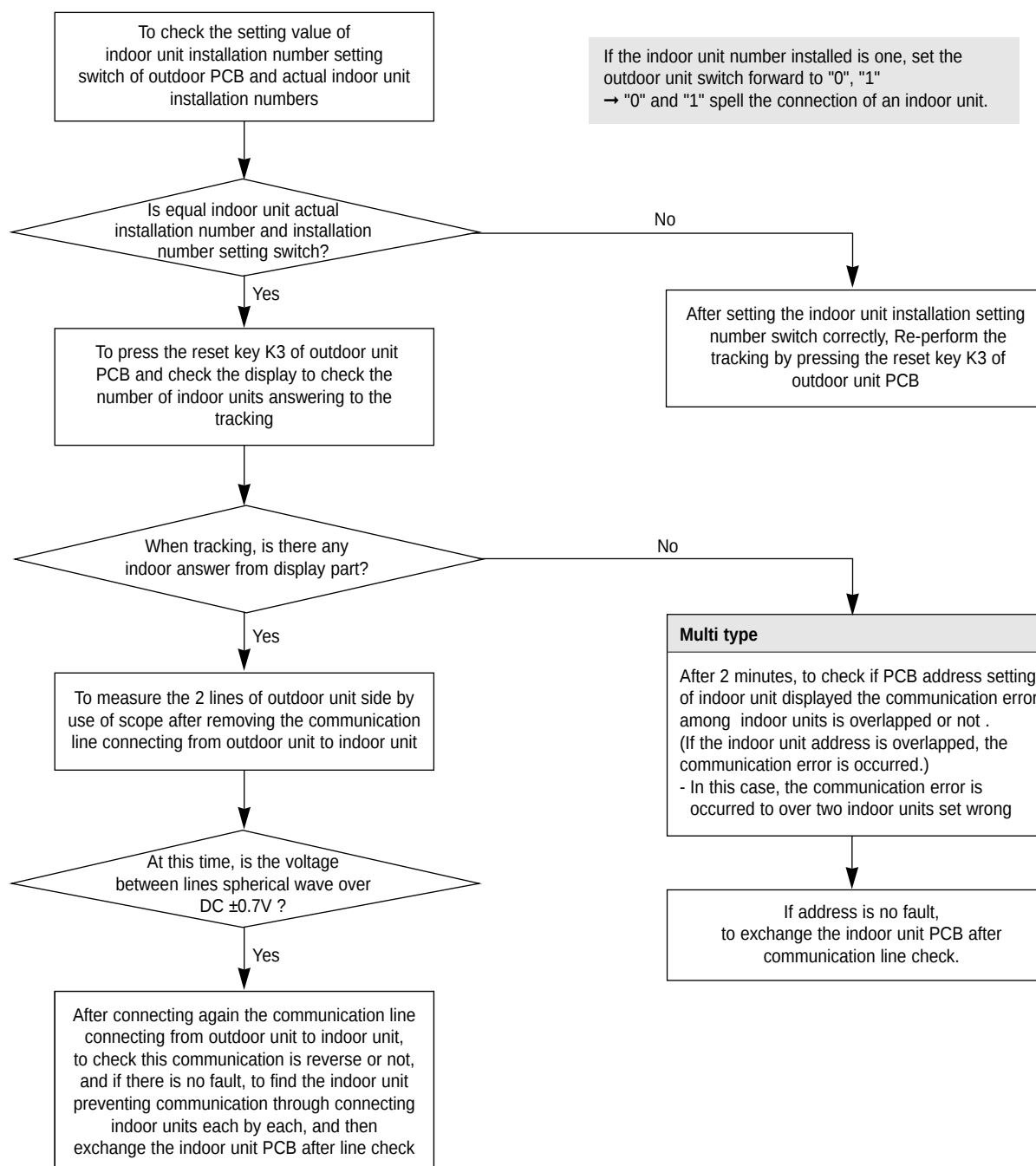
6-4-4 Communication error during the operation

Outdoor unit display	Er → E1 (Communication error during the operation)
Indoor unit display	× (Operation) ● (Timer) ● (Airflow) ● (Filter)
Disconnection and short of communication lines	Disconnection and short of outdoor heat exchanger temperature sensor
Reason of error	Disconnection or leak of Applied sensor



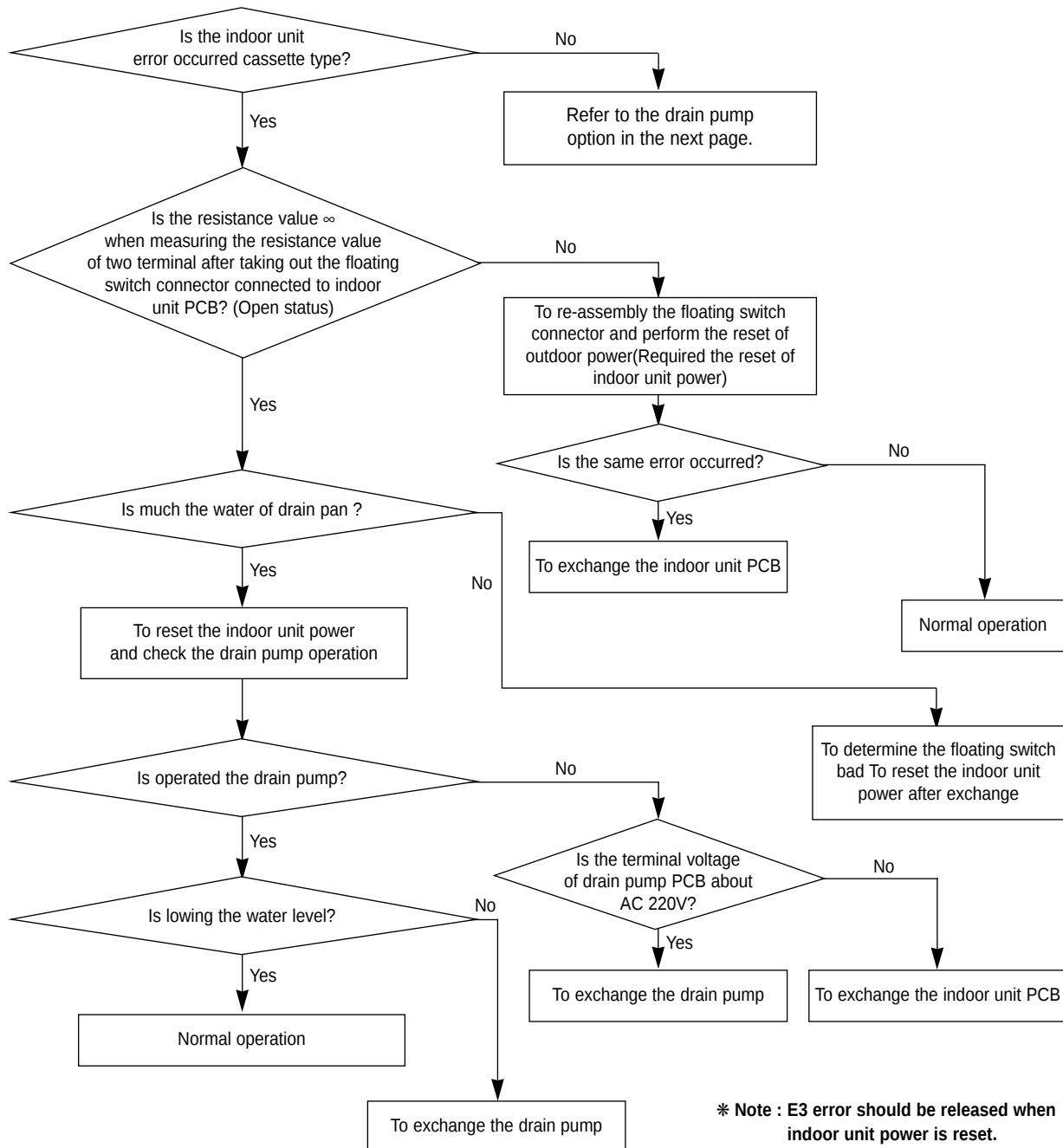
6-4-5 Communication error between indoor and outdoor after initial power input.

Outdoor unit display	Er → E2 (Tracking error)
Indoor unit display	× (Operation) ● (Timer) ● (Airflow) × (Filter)
How to determine	Mismatching the communicating indoor unit and setting switch indoor numbers When outdoor tracking
Reason of error	Communication error between the indoor unit and outdoor unit, and installation number switch setting miss



6-4-6 Indoor floating switching error

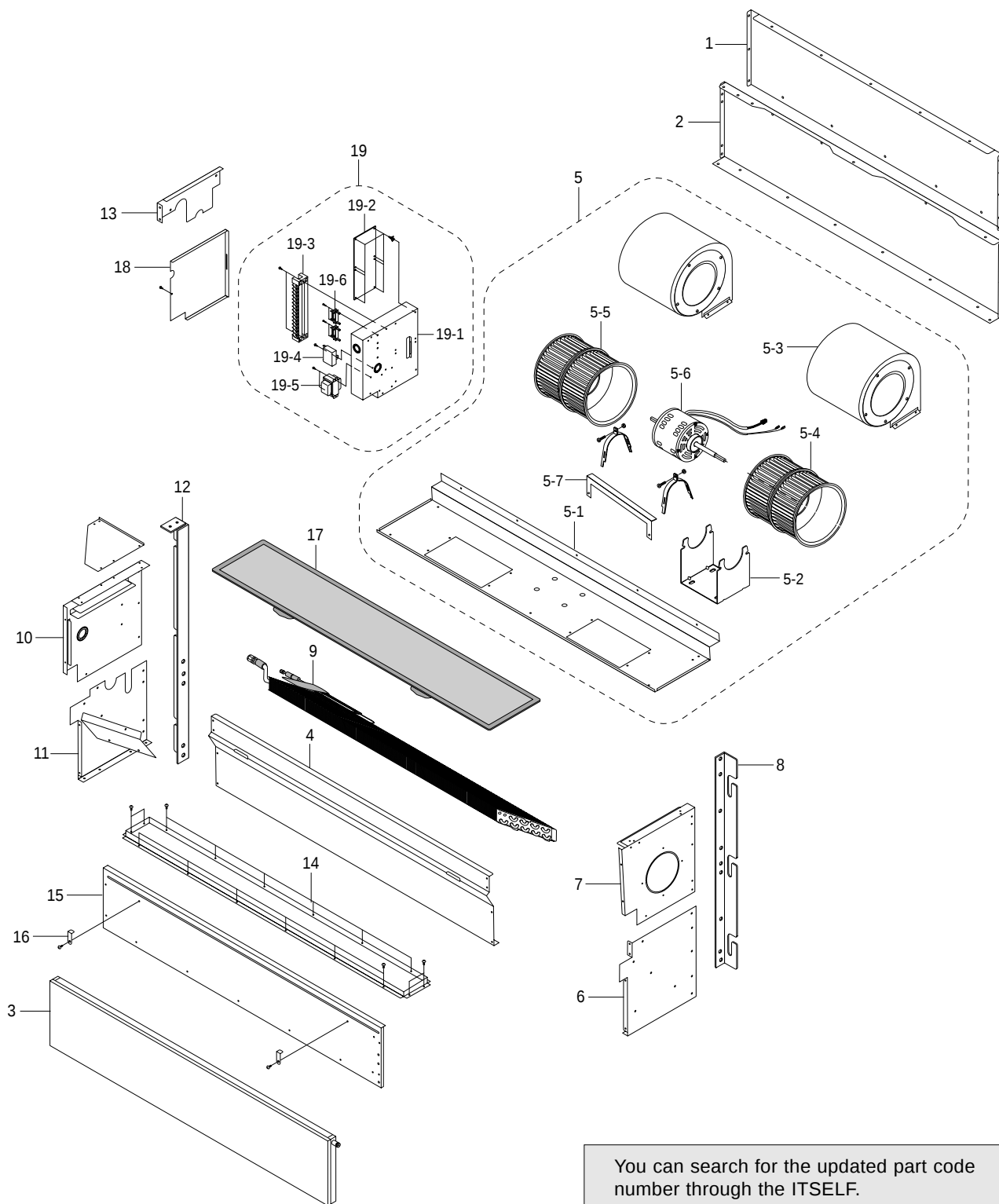
Outdoor unit display	Er → E3 (Indoor floating switching error)
Indoor unit display	× (Operation) × (Timer) ● (Airflow) ● (Filter)
How to determine	The status continues over 1 minute that indoor unit floating switch is opened.
Reason of error	The rising of water level of drain pan due to the disorder of indoor unit drain pump, the badness of detection sensor



MEMO

7. Exploded Views and Parts List

7-1 Indoor Unit

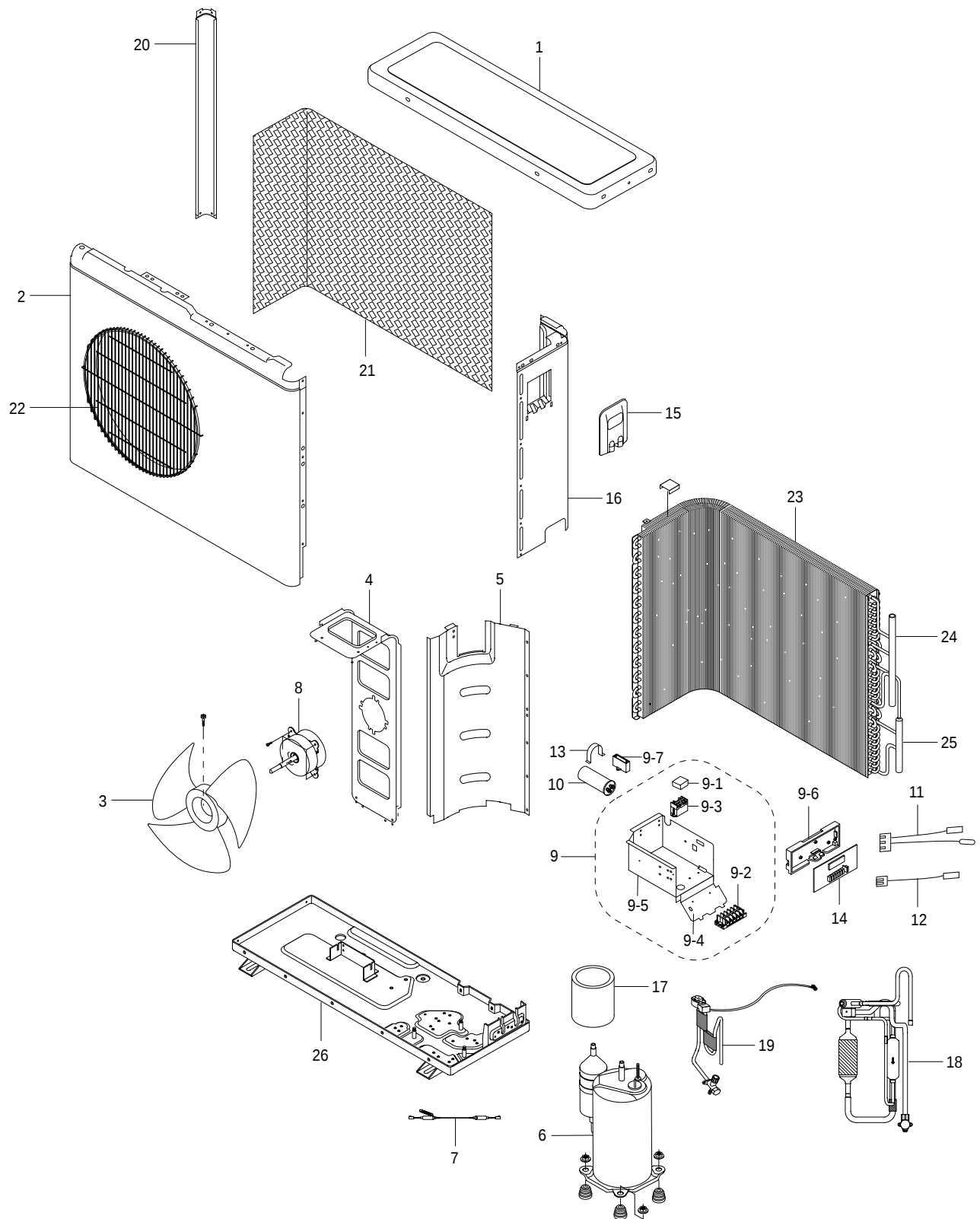


You can search for the updated part code number through the ITSELF.
URL : <http://itself.sec.samsung.co.kr>

■ Parts List

No.	Code No.	Description	Specification	Q'TY	
				DH052EAM	DH070EAM
1	DB63-00076A	COVER-TOP	SGCC-M T0.8	1	1
2	DB63-00074A	COVER-CASE DUCT	SGCC-M T0.8	1	1
3	DB94-00022A	ASS'Y-DRAIN PAN	ASS'Y, BLK	1	1
4	DB61-00099A	CASE-BOTTOM	SGCC-M, T0.8	1	1
5	DB94-00023C	ASS'Y-BLOWER DUCT	ASS'Y	1	1
5-1	DB64-00071A	PANEL-DUCT HOLDER	SGCC-M, T1.2	1	1
5-2	DB61-00155A	BRACKET-MOUNT MOTOR	SGCC-M, T2.0	1	1
5-3	DB90-00121A	ASS'Y-CASE FAN	ASS'Y	2	2
5-4	DB67-00046A	BLOWER-LF	SGCC-M, ø175	1	1
5-5	DB67-00046B	BLOWER-RH	SGCC-M, ø175	1	1
5-6	DB31-00025A	MOTOR-FAN IN	OSME-1004 SAC	1	1
5-7	DB61-00499A	BRACKET-MOTOR GUIDE	SGCC-M, T1.6	1	1
6	DB90-00117A	ASS'Y-CABI LF	ASS'Y	1	1
7	DB90-00119C	ASS'Y-CABI INLET LF	ASS'Y	1	1
8	DB70-00026B	PLATE-HANGER LF	SGCC-M, T2.0	1	1
9	DB96-03225A	ASS'Y-EVAP UNIT	ASS'Y	1	-
	DB96-03225B	ASS'Y-EVAP UNIT	ASS'Y	-	1
10	DB90-00120C	ASS'Y-CABI INLET RH	ASS'Y	1	1
11	DB90-00118A	ASS'Y-CABI SIDE RH	ASS'Y	1	1
12	DB70-00027B	PLATE-HANGER RH	SGCC-M, T2.0	1	1
13	DB64-00121A	CABINET-SIDE RH B	SGCC-M, T0.8	1	1
14	DB90-00393A	ASS'Y-HOLDER OUTLET	ASS'Y	1	1
15	DB90-00114A	ASS'Y-COVER BOTTOM	ASS'Y	1	1
16	DB71-00019A	PLATE-HANDLE	SGCC-M, T1.2	2	2
17	DB74-00006A	FILTER-PRE	PE, 36x40	1	1
18	DB63-00080A	COVER-CONTROL	SGCC-M, T0.8	1	1
19	DB93-01616F	ASS'Y-CONTROL IN	ASS'Y	1	-
	DB93-01616G	ASS'Y-CONTROL IN	ASS'Y	-	1
19-1	DB90-00116A	ASS'Y-CASE CONTROL	ASS'Y	1	1
19-2	DB93-00849R	ASS'Y-PCB MAIN	DPM24K DUCT IN	1	1
19-3	DB65-00004H	TERMINAL-BLOCK 6P	DAF-6P	1	1
	DB65-00169A	TERMINAL-BLOCK 6P	DAF-6P	1	1
19-4	2301-001370	C-FILM	2.5µF/450VAC	1	-
	2301-001378	C-FILM	3.5µF/450VAC	-	1
19-5	DB26-10065B	TRANS-POWER	DC17 AC230V 50Hz	1	1
19-6	DB61-40291B	HOLDER-WIRE	PP, T2.0, BLK	2	2

7-2 Outdoor Unit



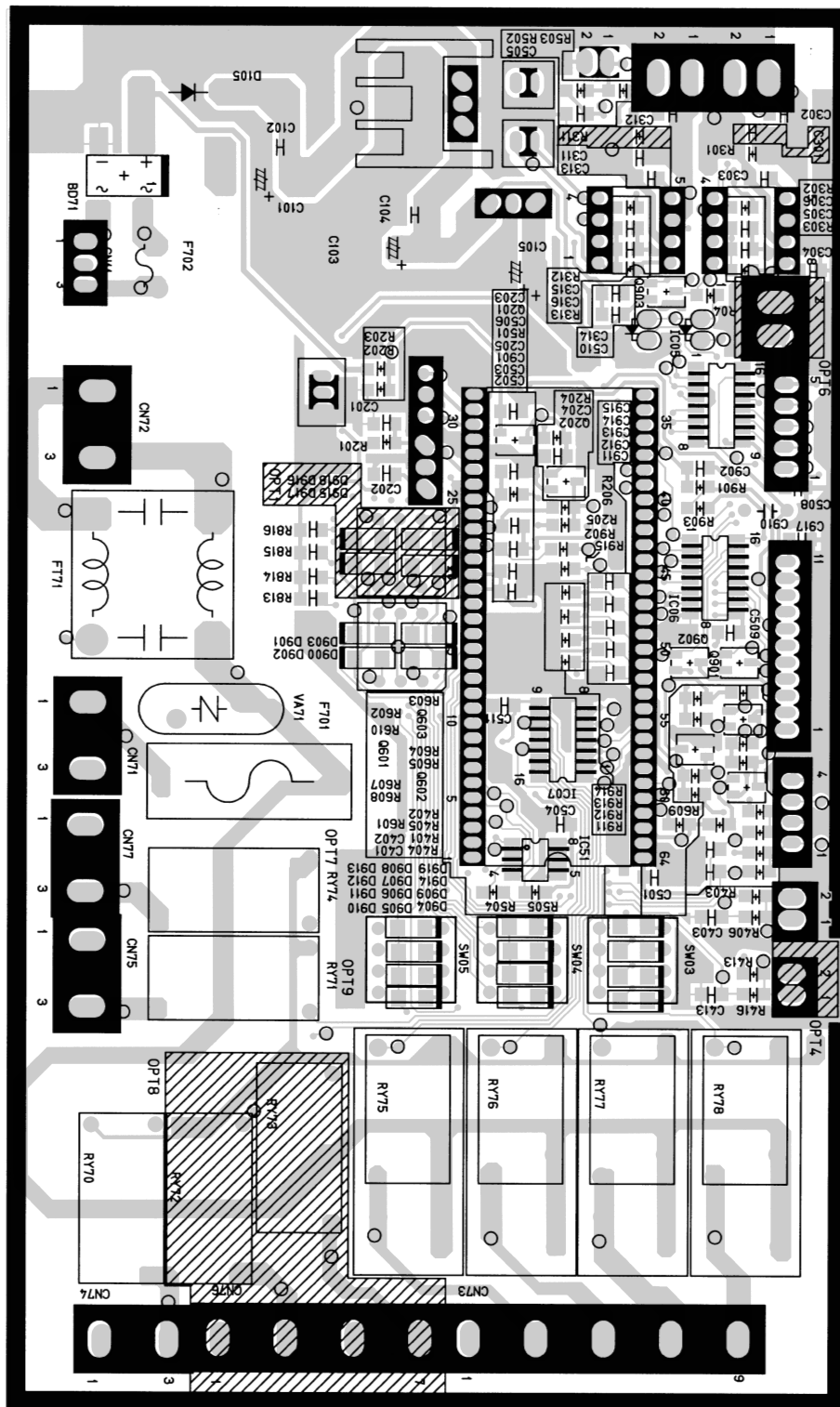
■ Parts List

No.	Code No.	Description	Specification	Q'TY	
				UH052EAMT	UH070EAMT
1	DB90-01363A	ASS'Y-COVER TOP	ASS'Y	1	1
2	DB90-01388A	ASS'Y CABINET-FRONT	ASS'Y	1	1
3	DB67-00140A	FAN-PROPELLER	AS+GF20%,OD460,3BLADE	1	1
4	DB61-01167A	BRACKET-MOTOR	SGCC-M,T1.6	1	1
5	DB90-00940B	ASS'Y-PARTITION	ASS'Y	1	1
6	DB95-00455A	ASS'Y COMP	SIAM,NN29VACMT	-	1
	DB95-00454A	ASS'Y COMP	SIAM,NN21VBAMT	1	-
7	DB95-30013T	ASS'Y HEATER COMP	40W	1	1
8	DB31-00216A	MOTOR-FAN	OSEM-886SRC(S509)	-	1
	DB31-00027G	MOTOR-FAN	OSEM-906SRC(S507)	1	-
9	DB93-02410A	ASS'Y CONTROL OUT	ASS'Y	-	1
	DB93-02410B	ASS'Y CONTROL OUT	ASS'Y	1	-
9-1	DB26-10070A	TRANS-POWER	AC230V,DC17V	1	1
9-2	DB65-00112A	TERMINAL BLOCK-6P	35A 4P,25A 2P	1	1
9-3	3501-001204	RELAY POWER	MUF20CF,2A	1	1
9-4	DB61-30625A	BRACKET-TERMINAL	SGCC-M	1	1
9-5	DB93-40264E	ASS'Y CONTROL BOX OUT	ASS'Y	1	1
9-6	DB61-00152A	CASE-PCB-OUT	T2.5,ABS,BLK	1	1
9-7	2301-001369	C-FILM	3uF/450VAC	1	1
10	2501-001236	C-OIL	30uF/450VAC	-	1
	2501-001235	C-OIL	25uF/450VAC	-	1
	2501-001240	C-OIL	50uF/450VAC	1	-
11	DB32-00021F	THERMISTOR	AWG22,L470,L550	1	1
12	DB32-00071C	THERMISTOR	AWG22,L600	1	1
13	DB61-01685A	BRACKET-CAPACITOR	SGCC-M	-	1
	DB69-60008A	BAND-CAPACITOR	SGCC-M	1	-
14	DB93-00185K	ASS'Y PCB MAIN	CEILING OUTDOOR PCB	1	-
	DB93-00185J	ASS'Y PCB MAIN	CEILING OUTDOOR PCB	-	1
15	DB90-40176D	ASS'Y COVER CONTROL	ASS'Y	1	1
16	DB90-01189B	ASS'Y-ASS'Y CABI SIDE RH	ASS'Y	1	1
17	DB62-01471A	INSULATION-CLOTH COMP	UH070EAMT	-	1
	DB62-02295A	INSULATION-CLOTH COMP	UH052EAMT	1	-
18	DB96-02876A	ASS'Y 4WAY VALVE	ASS'Y	-	1
	DB96-02877A	ASS'Y 4WAY VALVE	ASS'Y	1	-
19	DB96-02896A	ASS'Y EEV VALVE	ASS'Y	-	1
	DB96-02896B	ASS'Y EEV VALVE	ASS'Y	1	-
20	DB63-00613A	GUARD-COND	SECC-P,T1.6	1	1
21	DB61-01221A	GUIDE-SCREEN	P.E.H 100%,T2.5,1015x615,BLK	1	1
22	DB63-00320A	GUARD-FAN	HSWR,460	1	1
23	DB96-02849A	ASS'Y COND UNIT	UH070EAMT,UH052EAMT	1	1
24	DB96-02936A	ASS'Y COLLECTOR IN	ASS'Y	1	1
25	DB96-02937A	ASS'Y COLLECTOR OUT	ASS'Y	1	1
26	DB90-01291A	ASS'Y CABINET BASE OUT	ASS'Y	1	1

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8-1 Indoor Unit(Code No : DB93-00849N)

■ BOTTOM



■ Parts List

Location No.	Description	Specification	Q'TY
BD71	DIODE BRIDGE	DF06S	1
C101	C-ELEC	2200uF 35V	1
C102	C-CHIP	CS2012Y 5V 104Z5	1
C103	C-ELEC	2200uF 25V	1
C104	C-CHIP	CS2012Y 5V 104Z5	1
C105	C-ELEC	SD 470uF,25V	1
C201	C-CHIP	CS2012Y 5V 104Z5	1
C202	C-CHIP	CS2012Y 5V 104Z5	1
C203	C-CHIP	CS2012Y 5V 104Z5	1
C204	C-CHIP	CS2012 5V 103Z5	1
C205	C-CHIP	CS2012 5V 103Z5	1
C301	C-CHIP	CS2012 5V 103Z5	1
C302	C-CHIP	CS2012Y 5V 104Z5	1
C303	C-CHIP	CS2012Y 5V 104Z5	1
C304	C-CHIP	CS2012Y 5V 104Z5	1
C305	C-CHIP	CS2012Y 5V 104Z5	1
C306	C-CHIP	CS2012Y 5V 104Z5	1
C311	C-CHIP	CS2012 5V 103Z5	1
C312	C-CHIP	CS2012Y 5V 104Z5	1
C313	C-CHIP	CS2012Y 5V 104Z5	1
C314	C-CHIP	CS2012Y 5V 104Z5	1
C315	C-CHIP	CS2012Y 5V 104Z5	1
C316	C-CHIP	CS2012Y 5V 104Z5	1
C401	C-CHIP	CS2012Y 5V 104Z5	1
C402	C-CHIP	CS2012Y 5V 104Z5	1
C403	C-CHIP	CS2012Y 5V 104Z5	1
C413	C-CHIP	CS2012Y 5V 104Z5	1
C501	C-CHIP	CS2012Y 5V 104Z5	1
C502	C-CHIP	CS2012Y 5V 104Z5	1
C503	C-CHIP	CS2012Y 5V 104Z5	1
C504	C-CHIP	CS2012Y 5V 104Z5	1
C505	C-CHIP	CS2012Y 5V 104Z5	1
C506	C-CHIP	CS2012Y 5V 104Z5	1
C508	C-CHIP	CS2012Y 5V 104Z5	1
C509	C-CHIP	CS2012Y 5V 104Z5	1
C510	C-CHIP	CS2012Y 5V 104Z5	1
C511	C-CHIP	CS2012Y 5V 104Z5	1
C901	C-CHIP	CS2012X 7R 102K5	1
C902	C-CHIP	CS2012Y 5V 104Z5	1
C910	C-FILM	2A 472J	1
C911	C-CHIP	CS2012 5V 103Z5	1
C912	C-CHIP	CS2012 5V 103Z5	1
C913	C-CHIP	CS2012 5V 103Z5	1
C914	C-CHIP	CS2012 5V 103Z5	1
C915	C-CHIP	CS2012 5V 103Z5	1
C917	C-CHIP	CS2012Y 5V 104Z5	1

■ Parts List(cont.)

Location No.	Description	Specification	Q'TY
CD31	DIODE-TVS	SAC5.0	1
CD32	DIODE-TVS	SAC5.0	1
CD33	DIODE-TVS	SAC5.0	1
CD34	DIODE-TVS	SAC5.0	1
CN11	CONNECTOR	SMW250-03 RED	1
CN31	CONNECTOR	YW396-02V RED	1
CN32	CONNECTOR	YW396-02V WHT	1
CN33	CONNECTOR	YW396-02V BLU	1
CN41	CONNECTOR	SMW250-04 WHT	1
CN51	CONNECTOR	SMW250-02 BLK	1
CN71	CONNECTOR	YW396-03AV BLU	1
CN72	CONNECTOR	YW396-03AV WHT	1
CN73	CONNECTOR	YW396-09AV WHT	1
CN74	CONNECTOR	YW396-03AV YEL	1
CN75	CONNECTOR	YW396-03 BLK	1
CN77	CONNECTOR	YW396-03 RED	1
CN91	CONNECTOR	SMW200-11 WHT	1
D105	DIODE-RECT	IN4007	1
D900	DIODE	4148M	1
D901	DIODE	4148M	1
D902	DIODE	4148M	1
D903	DIODE	4148M	1
D904	DIODE	4148M	1
D905	DIODE	4148M	1
D906	DIODE	4148M	1
D907	DIODE	4148M	1
D908	DIODE	4148M	1
D909	DIODE	4148M	1
D910	DIODE	4148M	1
D911	DIODE	4148M	1
D912	DIODE	4148M	1
D913	DIODE	4148M	1
D914	DIODE	4148M	1
D915	DIODE	4148M	1
D916	DIODE	4148M	1
D917	DIODE	4148M	1
D918	DIODE	4148M	1
D919	DIODE	4148M	1
F701	FUSE	250V,5A	1
F701	HOLDER FUSE	FB58-20	1
F702	FUSE	250V,1A	1
FT71	FILTER NOISE	HP1-P10	1
IC01	HEAT SINK	A6063,L25.5 W15,WHT	1
IC01	IC VOLT REGULATOR	KA7812A	1
IC01	SCREW-TAPPING	PH,M3,L8,FE FZY	1
IC02	IC VOLT REGULATOR	KA7805A	1

■ Parts List(cont.)

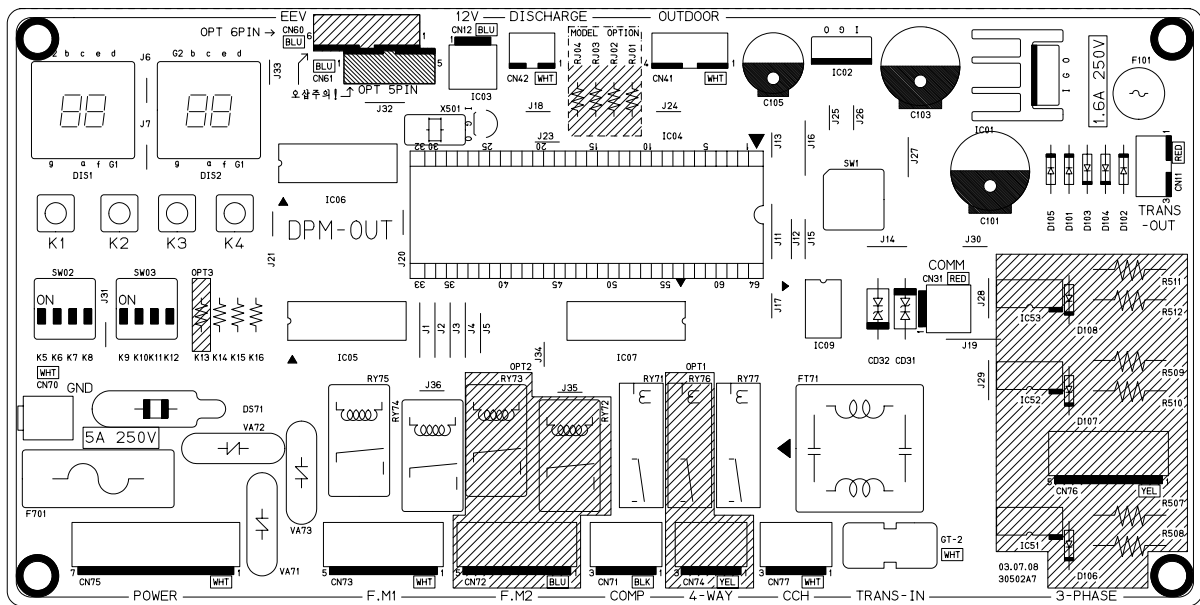
Location No.	Description	Specification	Q'TY
IC03	IC-RESET	KA7533Z	1
IC04	IC - MCU	MB89635	1
IC05	IC DRIVE	ULN2003AFW	1
IC06	IC DRIVE	ULN2003AFW	1
IC07	IC DRIVE	ULN2003AFW	1
IC18	IC-BUS TRANSCEIVER	MAX485	1
IC19	IC-BUS TRANSCEIVER	MAX485	1
IC51	EEPROM	93LC56B-1/SN	1
LED01	LED LAMP	SY5511 YEL	1
LED02	LED LAMP	SR5511 RED	1
Q201	TR SMALL SIGNAL	2SC2412K	1
Q202	TR SMALL SIGNAL	2SC2412K	1
Q601	TR SMALL SIGNAL	2SC2412K	1
Q602	TR SMALL SIGNAL	2SC2412K	1
Q603	TR SMALL SIGNAL	MMST2907A	1
Q901	TR DIGITAL	DTA114EKA	1
Q902	TR DIGITAL	DTA114EKA	1
Q903	TR DIGITAL	DTA114EKA	1
R04	R-CHIP	R2012 1k Ω $\pm$ 5	1
R201	R-CHIP	R2012 1k Ω $\pm$ 5	1
R202	R-CHIP	R2012 3.3k Ω $\pm$ 5	1
R203	R-CHIP	R2012 10k Ω $\pm$ 5	1
R204	R-CHIP	R2012 1k Ω $\pm$ 5	1
R205	R-CHIP	R2012 1k Ω $\pm$ 5	1
R206	R-CHIP	R2012 1k Ω $\pm$ 5	1
R302	R-CHIP	R2012 10k Ω $\pm$ 5	1
R303	R-CHIP	R2012 10k Ω $\pm$ 5	1
R312	R-CHIP	R2012 10k Ω $\pm$ 5	1
R313	R-CHIP	R2012 10k Ω $\pm$ 5	1
R401	R-CHIP	R2012 6.8k Ω $\pm$ 1	1
R402	R-CHIP	R2012 6.8k Ω $\pm$ 1	1
R403	R-CHIP	R2012 6.8k Ω $\pm$ 1	1
R404	R-CHIP	R2012 330 Ω $\pm$ 5	1
R405	R-CHIP	R2012 330 Ω $\pm$ 5	1
R406	R-CHIP	R2012 330 Ω $\pm$ 5	1
R413	R-CHIP	R2012 24k Ω $\pm$ 1	1
R416	R-CHIP	R2012 330 Ω $\pm$ 5	1
R501	R-CHIP	R2012 10k Ω $\pm$ 5	1
R502	R-CHIP	R2012 330 Ω $\pm$ 5	1
R503	R-CHIP	R2012 10k Ω $\pm$ 5	1
R504	R-CHIP	R2012 47k Ω $\pm$ 5	1
R505	R-CHIP	R2012 47k Ω $\pm$ 5	1
R601	R-CHIP	R2012 1k Ω $\pm$ 5	1
R602	R-CHIP	R2012 10k Ω $\pm$ 5	1
R603	R-CHIP	R2012 1k Ω $\pm$ 5	1
R604	R-CHIP	R2012 470 Ω $\pm$ 5	1

■ Parts List(cont.)

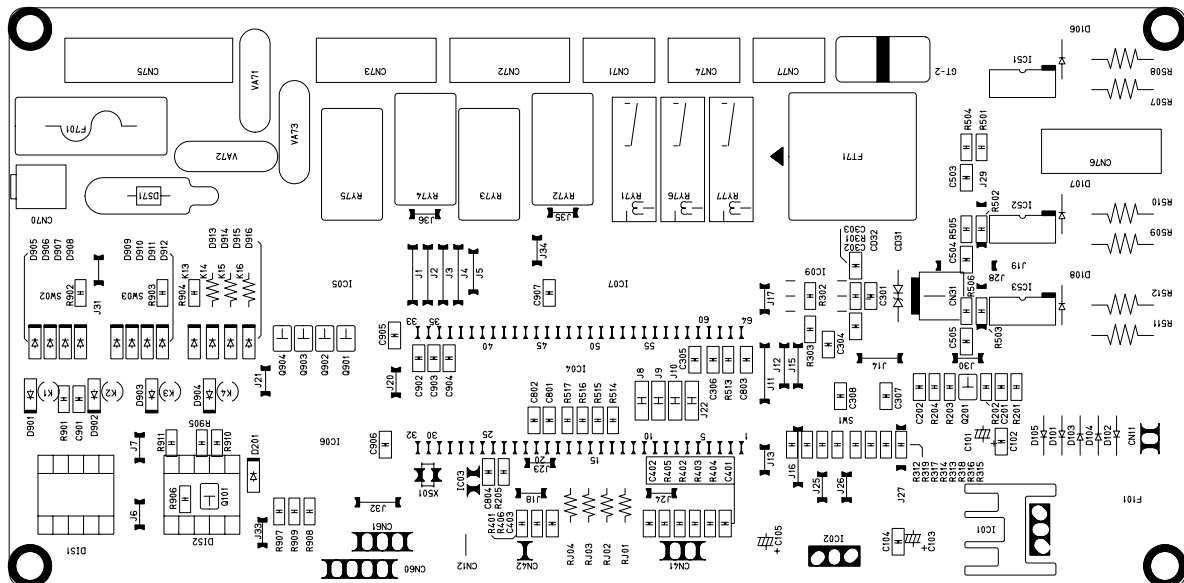
Location No.	Description	Specification	Q'TY
R605	R-CHIP	R2012 470Ω±5	1
R607	R-CHIP	R2012 1kΩ±5	1
R608	R-CHIP	R2012 10kΩ±5	1
R609	R-CHIP	R2012 10kΩ±5	1
R610	R-CHIP	R2012 3.3kΩ±5	1
R813	R-CHIP	R2012 1kΩ±5	1
R814	R-CHIP	R2012 1kΩ±5	1
R815	R-CHIP	R2012 1kΩ±5	1
R816	R-CHIP	R2012 1kΩ±5	1
R901	R-CHIP	R2012 330Ω±5	1
R902	R-CHIP	R2012 1kΩ±5	1
R903	R-CHIP	R2012 10kΩ±5	1
R911	R-CHIP	R2012 10kΩ±5	1
R912	R-CHIP	R2012 10kΩ±5	1
R913	R-CHIP	R2012 10kΩ±5	1
R914	R-CHIP	R2012 10kΩ±5	1
R915	R-CHIP	R2012 10kΩ±5	1
RY70	RELAY	JQ1a-12V	1
RY71	RELAY	JQ1a-12V	1
RY74	RELAY	JQ1a-12V	1
RY75	RELAY	CS11-12SH	1
RY76	RELAY	CS11-12SH	1
RY77	RELAY	CS11-12SH	1
RY78	RELAY	CS11-12SH	1
SW01	DIGITAL-SWITCH	PT65 103	1
SW02	DIGITAL-SWITCH	PT65 503	1
SW03	DIP-SWITCH	BSD-104	1
SW04	DIP-SWITCH	BSD-104	1
SW05	DIP-SWITCH	BSD-104	1
VA71	VARISTOR	INR14D561K-BS	1
X301	RESONATOR	10MHz	1

8-2 Outdoor Unit (Code No:DB93-01855K;UH052EAMT / DB93-01855J;UH070EAMT)

■ TOP



■ BOTTOM



* The figure of PCB Pattern is common UH052EAMT and UH070EAMT.
Only part list is different from between UH052EAMT and UH070EAMT.

■ Parts List(UH052EAMT)

Location No.	Description	Specification	Q'TY
D201,D901~D916	DIODE-SWITCHING	RLS4148,100V,200MA,SOD-80C,TP	17
D101~D105	DIODE-RECTIFIER	1N4007,1000V,1A,DO-41,TP	5
CD31~CD32	DIODE-TVS	SAC5.0,7.6/-V,500W,DO-15	2
Q201	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SOT-23,TP,1	1
Q901~D904	TR-DIGITAL	DTA114EKA,PNP,200MW,10K/10K,SOT-23,TP	4
Q101	TR-DIGITAL	KSR1102,NPN,200MW,10K/10K,SOT-23,TP	1
IC05~IC07	IC-DARLINGTON DRIVER	KID65003AP,DIP,16PIN,300MIL,H	3
IC09	IC-BUS TRANSCEIVER	485,DIP,8P,300MIL,SINGLE,ST,PLASTIC	1
IC03	IC-VOLTAGE COMP.	7533,TO-92,3P,-,SINGLE,-,PLASTIC	1
IC01	IC-POSI.FIXED REG.	7812A,TO-220,3P,-,PLASTIC,11.5	1
IC02	IC-POSI.FIXED REG.	7805,TO-220,3P,-,PLASTIC,4.8/5	1
VA72,VA73	VARISTOR	470V,4500A,17x12mm,BK	2
VA71	VARISTOR	560V,2500A,17.5x7.5mm,TP	1
RJ03	R-CARBON	12Kohm,5%,1/4W,AA,TP,2.4x6.4mm	1
K13~K16,RJ01	R-CARBON	0ohm,5%,1/4W,AA,TP,2.4x6.4mm	5
R301	R-CHIP	120ohm,5%,1/8W,TP,2012	1
R201,R302,R303	R-CHIP	10Kohm,5%,1/8W,TP,2012	20
R312~319,R513~R517			
R901~R904			
R402,R403	R-CHIP	18Kohm,1%,1/8W,TP,2012	2
R203~R205,R905~R911	R-CHIP	1Kohm,5%,1/8W,TP,2012	10
R401	R-CHIP	24Kohm,1%,1/8W,TP,2012	1
R202	R-CHIP	3.3Kohm,5%,1/8W,TP,2012	1
R404~R406	R-CHIP	330ohm,5%,1/8W,TP,2012	3
C102,C104,C201	C-CER,CHIP	100nF,+80-20%,50V,Y5V,TP,2012	20
C302~C308,C401~C403			
C801~C804,C905~C907			
C202,C301,C901~C904	C-CER,CHIP	10nF,+80-20%,50V,Y5V,TP,2012	6
C105	C-AL	470uF,20%,25V,GP,TP,10x12.5mm	1
C101,C103	C-AL	1000uF,20%,35V,GP,TP,13x25,5	2
X501	RESONATOR-CERAMIC	10MHZ,0.5%,BK,8x3x5.5mm	1
FT71	FILTER-EMI AC LINE	250V,1A,UL/CSA/TUV/SEMKO,100000	1
K1~K4	SWITCH-PUSH	125V,1A,SPDT,ON-ON,-	4
SW02,SW03	SWITCH-DIP	5V DC,100mA,SLIDE,-	2
RY71~RY77	RELAY-MINIATURE	12VDC,200MW,3000MA,1FORMA,10MS,10M	7
F701_1	FUSE-CARTRIDGE	250V,5A,FAST-ACTING,GLASS,5.2x20mm	1
F101	FUSE	250V,1.6A,TIME-LAG,PLASTIC,8.4x7.6mm	1
F701	FUSE-BLOCK	500V,-,100M	1
CN42	CONNECTOR-HEADER	BOX,2P,1R,2.5mm,STRAIGHT,SN,WHT	1
CN12	CONNECTOR-HEADER	1WALL,2P,1R,3.96mm,STRAIGHT,SN	1

■ Parts List(UH052EAMT)(cont.)

Location No.	Description	Specification	Q'TY
CN31	CONNECTOR-HEADER	1WALL,2P,1R,3.96mm,STRAIGHT,SN	1
CN77	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,WH	1
CN72	CONNECTOR-HEADER	1WALL,3P,1R,7.92mm,STRAIGHT,SN,BL	1
CN73	CONNECTOR-HEADER	1WALL,3P,1R,7.92mm,STRAIGHT,SN,WH	1
CN75	CONNECTOR-HEADER	1WALL,4P,1R,7.92mm,STRAIGHT,SN,WH	1
CN70	CONNECTOR-HEADER	BOX,1P,1R,6mm,STRAIGHT,NI,WHT	1
CN11	CONNECTOR-HEADER	BOX,3P,1R,2.5mm,STRAIGHT,SN	1
CN41	CONNECTOR-HEADER	BOX,4P,1R,2.5mm,STRAIGHT,SN	1
CN61	CONNECTOR-HEADER	BOX,5P,1R,2.5mm,STRAIGHT,SN	1
CN60	CONNECTOR-HEADER	BOX,6P,1R,2.5mm,STRAIGHT,SN	1
CN71	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,BL	1
CN74	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,YE	1
GT-2	CONNECTOR-TERMINAL	PIN,MALE,#18-22,2.35mm	1
RJ02	JUMPER	7.5	1
DIS1	LED DISPLAY-7SEG	ELD-306GWA,-,2,14,-,15x15.5x7.2,G	1
DIS2	LED DISPLAY-7SEG	ELD-306GWA,-,2,14,-,15x15.5x7.2,G	1
IC04	IC MICOM	MB89538AP-101,MB89538AP-101,64P,+5V,10MHz	1
SW1	SWITCH-DIGITAL	PT65 103,ROTARY DIP,-,DC24V MAX,0.4	1
DS71	POSISTOR	DSA-332MA,2pF MAX,100MOhm,ASM-3	1
RJ04	R-CARBON	3.3Kohm,5%,1/4W,AA,TP,2.4x6.4mm	1

■ Parts List(UH070EAMT)

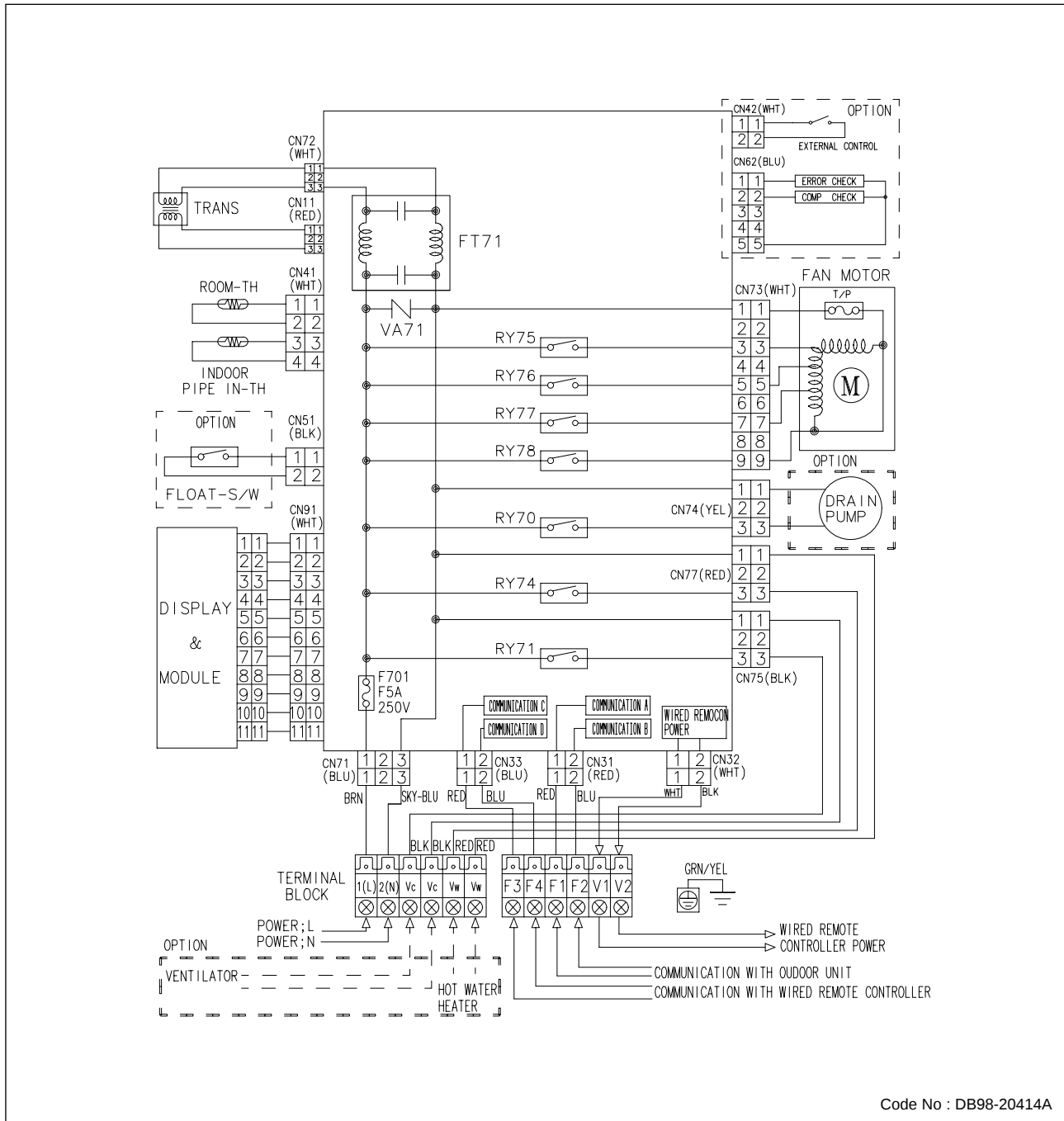
Location No.	Description	Specification	Q'TY
D201,D901~D916	DIODE-SWITCHING	RLS4148,100V,200MA,SOD-80C,TP	17
D101~D105	DIODE-RECTIFIER	1N4007,1000V,1A,DO-41,TP	5
CD31,CD32	DIODE-TVS	SAC5.0,7.6/-/-V,500W,DO-15	2
Q201	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SOT-23,TP,1	1
Q901~Q904	TR-DIGITAL	DTA114EKA,PNP,200MW,10K/10K,SOT-23,TP	4
Q101	TR-DIGITAL	KSR1102,NPN,200MW,10K/10K,SOT-23,TP	1
IC05~IC07	IC-DARLINGTON DRIVER	KID65003AP,DIP,16PIN,300MIL,H	3
IC09	IC-BUS TRANSCEIVER	485,DIP,8P,300MIL,SINGLE,ST,PLASTIC	1
IC03	IC-VOLTAGE COMP.	7533,TO-92,3P,-,SINGLE,-,PLASTIC	1
IC01	IC-POSI.FIXED REG.	7812A,TO-220,3P,-,PLASTIC,11.5	1
IC02	IC-POSI.FIXED REG.	7805,TO-220,3P,-,PLASTIC,4.8/5	1
VA72,VA73	VARISTOR	470V,4500A,17x12mm,BK	2
VA71	VARISTOR	560V,2500A,17.5x7.5mm,TP	1
K13~K16,RJ01	R-CARBON	0ohm,5%,1/4W,AA,TP,2.4x6.4mm	5
R301	R-CHIP	120ohm,5%,1/8W,TP,2012	1
R201,R302~R303	R-CHIP	10Kohm,5%,1/8W,TP,2012	20
R312~R319,R513~R517			
R901~R904			
R402,R403	R-CHIP	18Kohm,1%,1/8W,TP,2012	2
R203~R205,R905~R911	R-CHIP	1Kohm,5%,1/8W,TP,2012	10
R401	R-CHIP	24Kohm,1%,1/8W,TP,2012	1
R202	R-CHIP	3.3Kohm,5%,1/8W,TP,2012	1
R404~R406	R-CHIP	330ohm,5%,1/8W,TP,2012	3
C102,C104,C201	C-CER,CHIP	100nF,+80-20%,50V,Y5V,TP,2012	20
C302~C308,C401~C403			
C801~C804,C905~C907			
C202,C301,C901~C904	C-CER,CHIP	10nF,+80-20%,50V,Y5V,TP,2012	6
C105	C-AL	470uF,20%,25V,GP,TP,10x12.5mm	1
C101,C103	C-AL	1000uF,20%,35V,GP,TP,13x25,5	2
X501	RESONATOR-CERAMIC	10MHZ,0.5%,BK,8x3x5.5mm	1
FT71	FILTER-EMI AC LINE	250V,1A,UL/CSA/TUV/SEMKO,100000	1
K1~K4	SWITCH-PUSH	125V,1A,SPDT,ON-ON,-	4
SW02,SW03	SWITCH-DIP	5V DC,100mA,SLIDE,-	2
RY71,R76,R77	RELAY-MINIATURE	12VDC,200MW,3000MA,1FORMA,10MS,10M	3
RY72~RY75	RELAY-MINIATURE	12VDC,200MW,5000MA,1FORMA,10MS,5MS	4
F701_1	FUSE-CARTRIDGE	250V,5A,FAST-ACTING,GLASS,5.2x20mm	1
F101	FUSE	250V,1.6A,TIME-LAG,PLASTIC,8.4x7.6mm	1
F701	FUSE-BLOCK	500V,-,100M	1
CN42	CONNECTOR-HEADER	BOX,2P,1R,2.5mm,STRAIGHT,SN,WHT	1
CN12	CONNECTOR-HEADER	1WALL,2P,1R,3.96mm,STRAIGHT,SN	1

■ Parts List(UH070EAMT)(cont.)

Location No.	Description	Specification	Q'TY
CN31	CONNECTOR-HEADER	1WALL,2P,1R,3.96mm,STRAIGHT,SN	1
CN77	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,WH	1
CN72	CONNECTOR-HEADER	1WALL,3P,1R,7.92mm,STRAIGHT,SN,BL	1
CN73	CONNECTOR-HEADER	1WALL,3P,1R,7.92mm,STRAIGHT,SN,WH	1
CN75	CONNECTOR-HEADER	1WALL,4P,1R,7.92mm,STRAIGHT,SN,WH	1
CN70	CONNECTOR-HEADER	BOX,1P,1R,6mm,STRAIGHT,NI,WHT	1
CN11	CONNECTOR-HEADER	BOX,3P,1R,2.5mm,STRAIGHT,SN	1
CN41	CONNECTOR-HEADER	BOX,4P,1R,2.5mm,STRAIGHT,SN	1
CN61	CONNECTOR-HEADER	BOX,5P,1R,2.5mm,STRAIGHT,SN	1
CN60	CONNECTOR-HEADER	BOX,6P,1R,2.5mm,STRAIGHT,SN	1
CN71	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,BL	1
CN74	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,YE	1
GT-2	CONNECTOR-TERMINAL	PIN,MALE,#18-22,2.35mm	1
RJ02	JUMPER	7.5	1
DIS1	LED DISPLAY-7SEG	ELD-306GWA,-,2,14,-,15x15.5x7.2,G	1
DIS2	LED DISPLAY-7SEG	ELD-306GWA,-,2,14,-,15x15.5x7.2,G	1
IC04	IC MICOM	MB89538AP-101,MB89538AP-101,64P,+5V,10MHz	1
SW1	SWITCH-DIGITAL	PT65 103,ROTARY DIP,-,DC24V MAX,0.4	1
DS71	POSISTOR	DSA-332MA,2pF MAX,100MOhm,ASM-3	1
RJ03	R-CARBON	12Kohm,5%,1/4W,AA,TP,2.4x6.4mm	1
RJ04	R-CARBON	3Kohm,5%,1/4W,AA,TP,2.4x6.4mm	1

9. Wiring Diagram

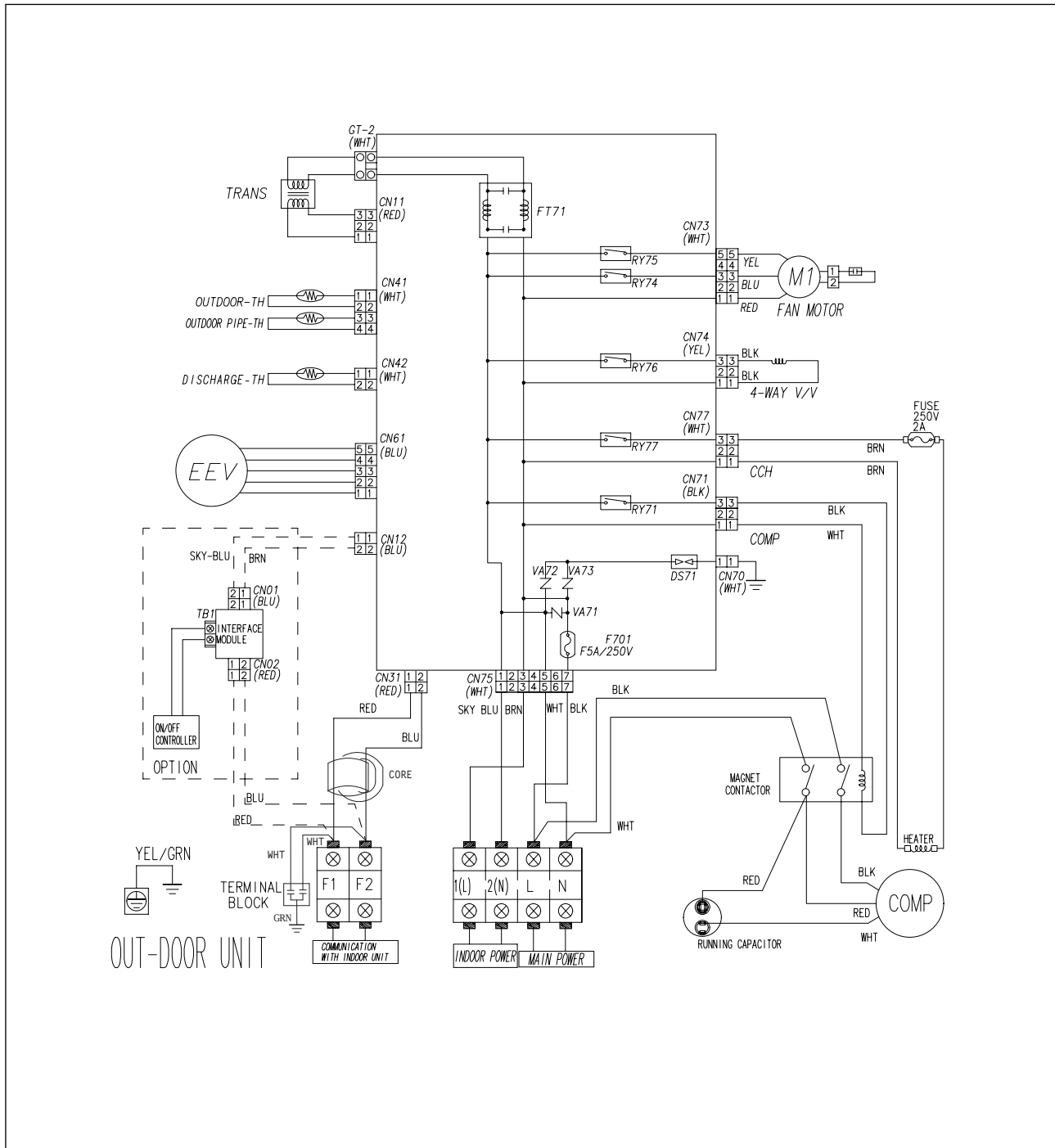
9-1 Indoor Unit



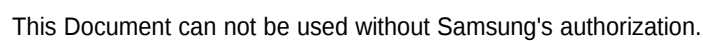
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9-2 Outdoor Unit

■ UH052EAMT

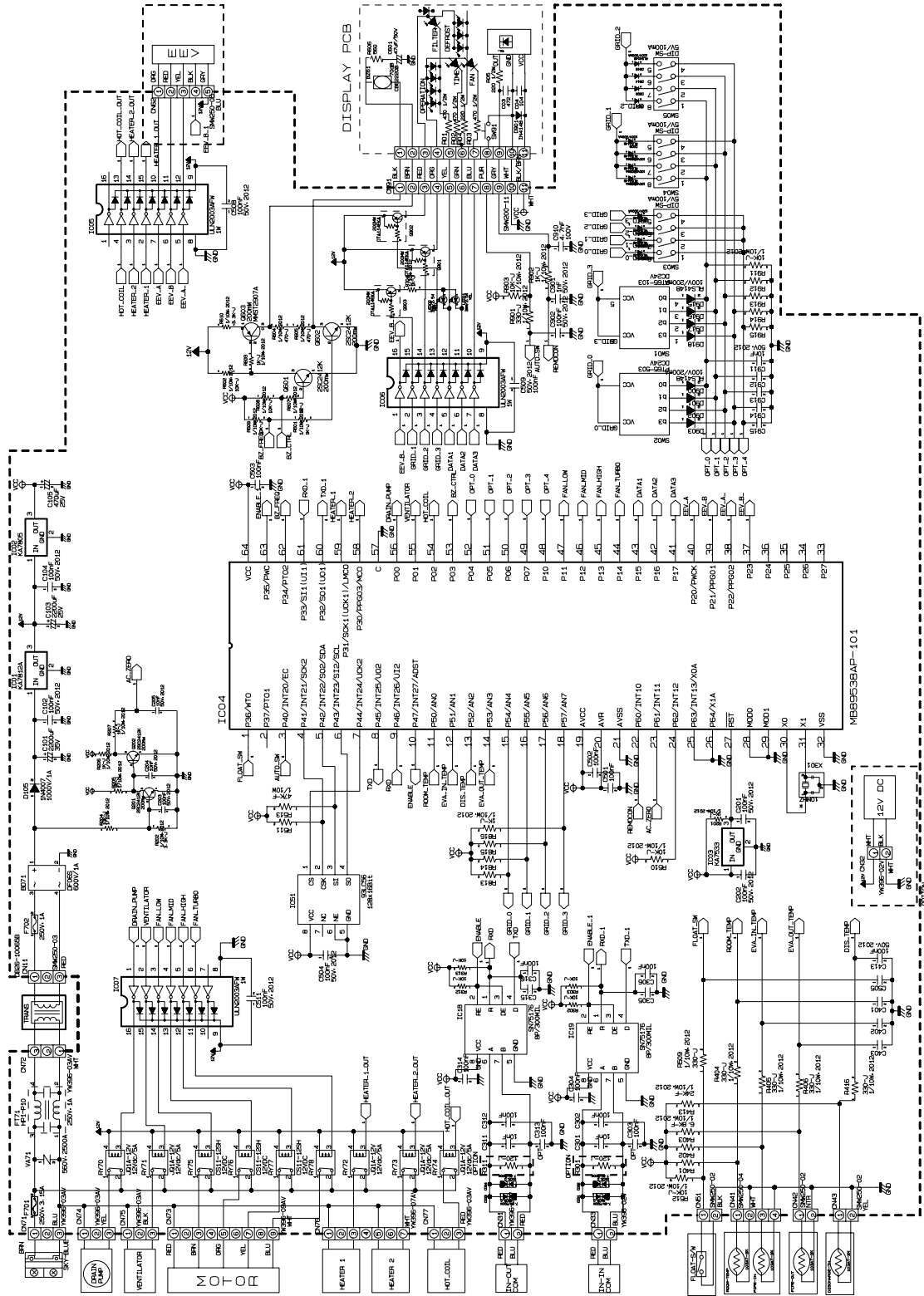


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10. Schematic Diagram

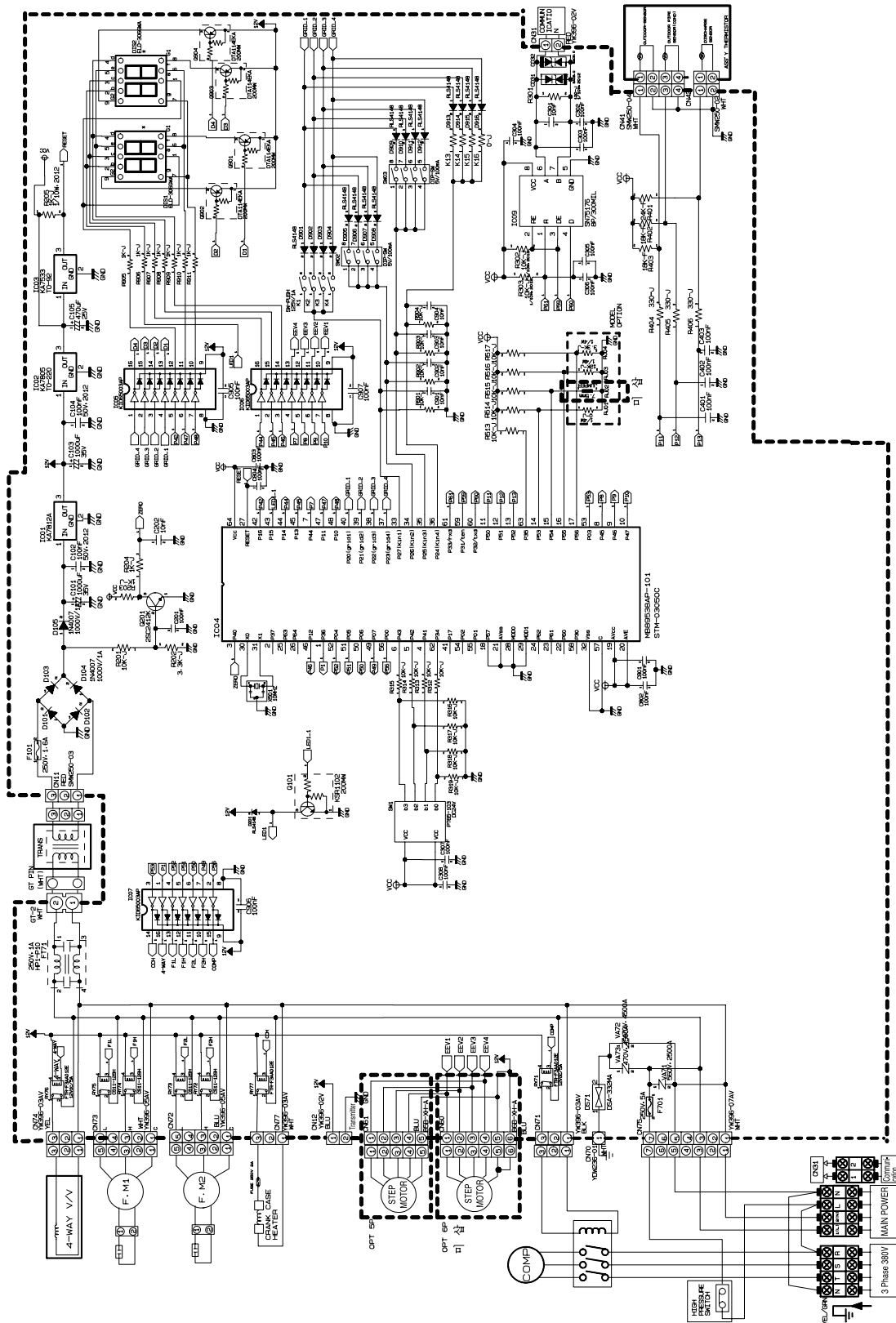
10-1 Indoor Unit



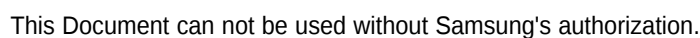
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10-2 Outdoor Unit

■ UH052EAMT



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UPDATE LOG SHEET

Application date	Page	Part#	Note(Cause & Solution)	S/Bulletin#
2005. Feb. 14	6,20,31		Applied new PCB, Ass'y Control In, Terminal Block	
	46,47,48			

Use this page to keep any special servicing information. (Service Bulletin, etc.)

If only parts number changes, Just change parts number directly on parts list.

And if you need more information, please see the service website.

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