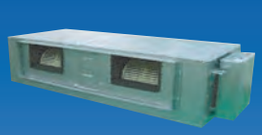
SAMSUNG

SYSTEM AIR CONDITIONER

Basic Model: DH140EAV UH140EAV
Model: DH105CAV UH105CAV
DH140CAV UH140CAV
Model code: DH105CAV UH105CAV
DH140CAV UH140CAV

SERVICE Manual

AIR CONDITIONER



DH105CAV

DH140CAV

UH105/140CAV

CONTENTS

Refer to the service manual in the GSPN(see the rear cover) for the more information.

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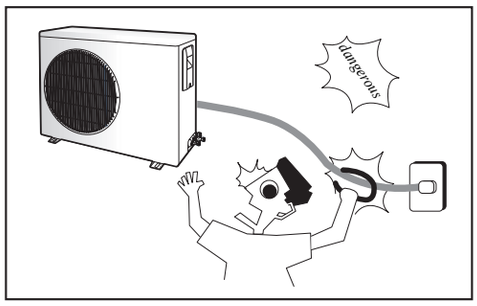
Contents

1. Precautions

1-1 Installing the air conditioner

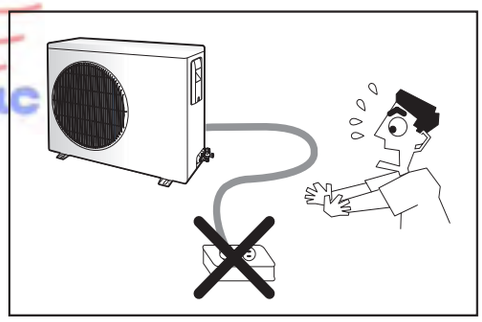
- Users should not install the air conditioner by themselves.
  Ask the dealer or authorized company to install the air conditioner except the window-type air conditioner in U.S.A and Canada.
- If you don't install the air conditioner properly, it may cause a fire, a water leakage or an electric shock.
- You must install the air conditioner according to the national wiring regulations and safety regulations.
- Install the indoor unit higher than 8.2ft(2.5m) from the floor to avoid the injury caused by the operation of the fan. (except the window-type air conditioner)
- The manufacturer is not responsible for any accidents or injury caused by an incorrect installation.
  When installing the built-in type air conditioner, keep all electric cables such as the power cable and the connection cord in pipes, ducts, or cable channels to protect them from the danger of impact or any other incidents.



Avoid Dangerous Contact

1-2 Power supply and circuit breaker

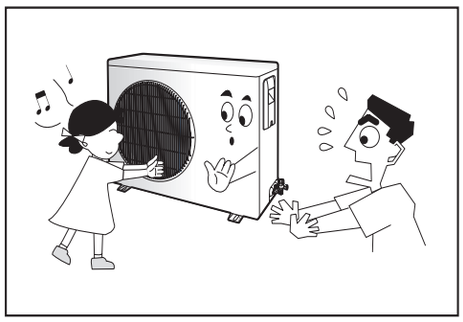
- If the power cord of the air conditioner is damaged, it must be replaced by the manufacturer or a qualified person in order to avoid a hazard.
- The air conditioner must be plugged into an independent circuit if applicable or connect the power cable to the auxiliary circuit breaker.
  An all pole disconnection from the power supply must be incorporated in the fixed wiring with a contact opening of >0.118 inch(3 mm).
- Do not extend an electric cord to the air conditioner.
- The air conditioner must be plugged in after you complete the installation.



No Tapping and No Extension Cords

1-3 During operation

- Do not repair the air conditioner at your discretion.
  It is recommended to contact a service center directly.
- Never spill any kind of liquid on the air conditioner.
  If this happens, turn off the air conditioner and contact an authorized service center.
- Do not insert anything between the airflow blades to prevent damage of the inner fan and consequent injury. Keep children away from the air conditioner.
- Do not place any obstacles in front of the air conditioner.
- Do not spray any kind of liquid into the indoor unit. If this happens, turn off the air conditioner and contact a service center.
- Make sure that the air conditioner is well ventilated at all times:
  Do not place a cloth or other materials over it.
- Remove the batteries if you don't use the remote control for a long time. (If applicable)
- Use the remote control within 23 feets (7 meters) from the indoor unit.
  (If applicable)



No children Nearby

1-4 Disposing of the unit

- Before throwing out the air conditioner, remove the batteries from the remote control.
- When you dispose of the air conditioner, consult your dealer. If pipes are removed incorrectly, refrigerant may blow out and cause air pollution. When it contacts with your skin, it can cause skin injury.
- The package of the air conditioner should be recycled or disposed of properly for environmental reasons.

1-5 Others

- Never store or load the air conditioner upside down or sideways to prevent the damage to the compressor.
- Young children or infirm persons should be always supervised when they use the air conditioner.
- Max current is measured according to IEC standard for safety.
- Current is measured according to ISO standard for energy efficiency.

2. Product Specifications

2-1 The Feature of Product

■ **Built-in Cassette Type**
After installed, the air conditioner can be harmonized with a room interior.

■ **High Performance & Energy Saving**
With the advanced BLDC inverter technology, it makes a room cool with highly energy saving and arises the efficiency of air conditioner.

■ **Long Piping(Length & Height)**
It can give the benefit to the installers and aries the reliability of the air conditioner.

■ **Long Ambient Operation(In Low Temperature)**
It can arise the reliability and the capacity of the air conditioner, especially operated in low temperature.

■ **Eco-friendly Product(Lead-Free, RoHS, WEEE)**

2-2 Product Specifications

■ DH105CAV

Item \ Model					DH105CAV	UH105CAV
					Indoor unit	Outdoor unit
Type					DUCT	
Performance	Cooling(MIN/STD/MAX)			Btu/h	9,900/36,000/39,000	
	Heating(MIN/STD/MAX)			Btu/h	11,500/38,200/52,000	
	Dehumidifying			gal/h	1	
	Air Volume	Cooling		ft^3/min (H/M/L)	784/640/510	3880
		Heating			910/750/610	3880
	Noise	Cooling		dB (H/M/L)	48	66
		Heating			49	66
	SEER/HSPF	Cooling		Btu/Wh	15.2	
		Heating			9.3	
	Power			ph/V/Hz	1/208-230V~/60Hz	
Power	Power Consumption	Cooling		W	3,400	
		Heating			3,300	
	Operating Current	Cooling		A	15.2	
		Heating			14.5	
	Power Factor	Cooling		%	92	
		Heating			92	
Size	Outer Dimension	WxHxD		mm	1150x320x480	932X1128X375
				inch	45.3x12.6x18.9	36.7X44.4X14.8
	Weight(Net)			lb	86	198
	Compressor	Model			G5T360FUAEK	
		Motor	Type		TWIN BLDC	
			Rated Output		-	
	Oil Type				FREOLα 68ES-T Ze-GLES RB68-EP	
	Blower	Type			TURBO-FAN	Propeller
		Motor	Type		AL	AL
			Rated Output	W	389	165x2
Piping	Pipe O.D Size	Liquid		mm(inch)xL(ft)	9.52(3/8")x24.6	
		Gas		mm(inch)xL(ft)	15.88(5/8")x24.6	
	Connection Method				Flare	
	Between	Height		ft	Max.98.4	
		Pipe Length		ft	Max.246	
Heat Exchanger					3ROW 16STEP	2ROW 52STEP
Refrigerant Control Unit					EEV	
Freezer Oil Capacity				gal	0.29	
Refrigerant to Change(R410A)				oz	98.8(0.43oz/ft)	
Protection Device(OLP)					-	
Cooling Test Condition					INDOOR UNIT : DB80.6°F WB66.2°F OUTDOOR UNIT : DB95°F WB75.2°F	
Heating Test Condition					INDOOR UNIT : DB68°F WB59°F OUTDOOR UNIT : DB44.6°F WB42.8°F	

■ DH140CAV

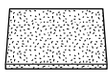
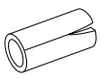
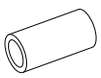
Item \ Model					DH140CAV	UH140CAV
					Indoor unit	Outdoor unit
Type					DUCT	
Performance	Cooling(MIN/STD/MAX)			Btu/h	10,000/48,000/52,600	
	Heating(MIN/STD/MAX)			Btu/h	15,400/54,600/61,000	
	Dehumidifying			gal/h	1.35	
	Air Volume	Cooling		ft^3/min (H/M/L)	1,260/1,090/970	3880
		Heating			1,300/1,110/925	3880
	Noise	Cooling		dB (H/M/L)	49	66
		Heating			50	66
	SEER/HSPF	Cooling		Btu/Wh	13.6	
		Heating			9.1	
	Power			ph/V/Hz	1/208-230V~/60Hz	
Power	Power Consumption	Cooling		W	5,100	
		Heating			4,750	
	Operating Current	Cooling		A	22.0	
		Heating			20.7	
	Power Factor	Cooling		%	92	
		Heating			92	
Size	Outer Dimension	WxHxD		mm	1200x360x650	932X1128X375
				inch	47.2x14.2x25.6	36.7X44.4X14.8
	Weight(Net)			lb	121	207
	Compressor	Model			G5T450FUAEX	
		Motor	Type		TWIN BLDC	
			Rated Output		-	
	Oil Type				FREOLα 68ES-T Ze-GLES RB68-EP	
	Blower	Type			TURBO-FAN	Propeller
		Motor	Type		AL	AL
			Rated Output	W	610	165x2
Piping	Pipe O.D Size	Liquid		mm(inch)xL(ft)	9.52(3/8")x24.6	
		Gas		mm(inch)xL(ft)	19.05(3/4")x24.6	
	Connection Method				Flare	
	Between	Height		ft	Max.98.4	
		Pipe Length		ft	Max.246	
Heat Exchanger					3ROW 16STEP	2ROW 52STEP
Refrigerant Control Unit					EEV	
Freezer Oil Capacity				gal	0.29	
Refrigerant to Change(R410A)				oz	98.8(0.43oz/ft)	
Protection Device(OLP)					-	
Cooling Test Condition					INDOOR UNIT : DB80.6°F WB66.2°F OUTDOOR UNIT : DB95°F WB75.2°F	
Heating Test Condition					INDOOR UNIT : DB68°F WB59°F OUTDOOR UNIT : DB44.6°F WB42.8°F	

2-3 The Comparative Specifications of Product

Item		Development Model	Comparative Model
		UH140CAV	UH140EAV
Design	Outdoor Unit		
	Indoor Unit		
Net Weight	Indoor Unit	121 lb (55 kg)	121 lb (55 kg)
	Outdoor Unit	207 lb (94 kg)	207 lb (94 kg)
Outer Dimension (WidthxHeightxDepth)	Indoor Unit	47.2x14.2x25.6 inch (1200x360x650 mm)	47.2x14.2x25.6 inch (1200x360x650 mm)
	Outdoor Unit	36.7x44.4x14.8 inch (932x1128x375 mm)	36.7x44.4x14.8 inch (932x1128x375 mm)
Noise	Indoor Unit	50dB↓	50dB↓
	Outdoor Unit	66dB↓	66dB↓

2-4 Accessory and Option Specifications

Accessories

Item	Descriptions	Code-No.	Q'TY	Remark
	User's Manual	DB98-29517A	1	
	Installation Manual	DB98-29515A	1	
	Service Manual	DB98-29522A	1	
	Insulation	DB62-03439J	1	
		DB62-03439H	1	
	Insulation Drain In	DB62-03440H	1	
	Insulation Install Inlet	DB72-00143E	1	
		DB72-00143G	1	
	Ass'y Holder Drain Pipe	DB90-02064A	1	
	Ass'y Drain Hose Joint	DB94-00758A	1	

Accessories(cont.)

■Receiver & display unit & Wire kit

Item	Descriptions	Code-No.	Q'TY	Remark
	Receiver & display unit	DB93-01066A (MRK-A00)	1	Concealed type
	STS 2S-2x10 tapped screw	-	4	
	2S-4x12 tapped screw	-	2	
	Owner's instructions	DB98-05160A	1	
	Installation manual	DB98-05186A	1	
	Wire kit	DB39-00223A (MRW-10A)	1	
	Receiver & display unit	DB93-01066A (MRK-A00)	5	Standard type
	M4x16 tapped screw	-	7	
	Cable-tie	-	2	
	User's manual	DB98-05160A	1	
	Installation manual	DB98-05186A	1	
	Wire kit	DB39-00223A (MRW-10A)	1	

Accessories(cont.)

■ Wireless Remote Controller Accessories

Item	Descriptions	Code-No.	Q'TY	Remark
	Wireless remote controller	DB93-04858C (MR-BH01)	1	
	Battery	DB47-90024A	2	
	Remote control holder	DB61-03147A	1	
	STS 2S-2x10 tapped screw	6002-000581	2	
	User's manual	DB98-27999A	1	
	Installation manual	DB98-27997A	1	

■ Function Controller Accessories

Item	Descriptions	Code-No.	Q'TY	Remark
	Function controller	DB97-01077A (MCM-A100)	1	
	Cable-tie	DB65-10088B	2	
	Cable clamp	DB65-10074E	6	
	M4x16 tapped screw	6002-000474	7	
	User's manual	DB98-27317A	1	
	Installation manual	DB98-27315A	1	

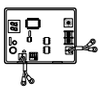
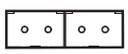
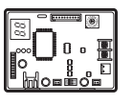
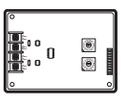
Accessories(cont.)

■ Wired Remote Controller Accessories

Item	Descriptions	Code-No.	Q'TY	Remark
	Wired remote controller	DB93-03934B (MWR-WS00U)	1	
	Cable-tie	DB65-10088B	2	
	Cable clamp	DB65-10074E	4	
	M4x16 tapped screw	6002-000474	5	
	Indoor unit power drawing cable	DB39-00221A	1	
	Communication cable of the wired remote controller	DB39-00933A	1	
	Communication and power cable	DB39-90020A	1	
	User's manual	DB98-29261A	1	
	Installation manual	DB98-29260A	1	

Accessories(cont.)

■ Transmitter Accessories

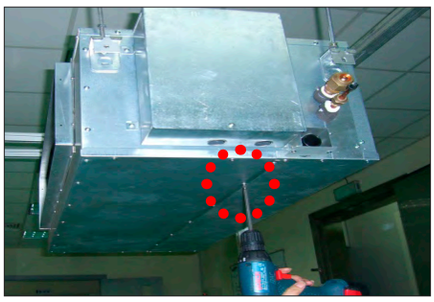
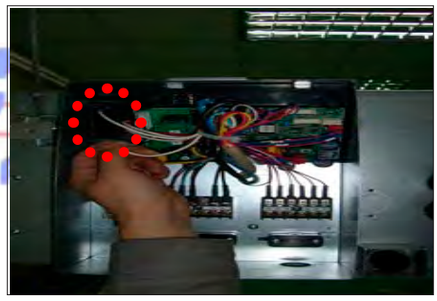
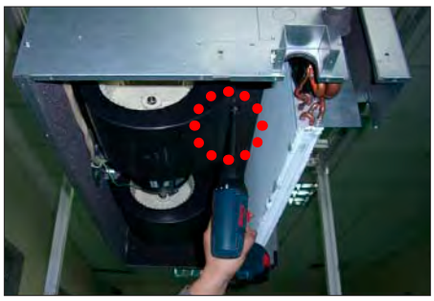
Item	Descriptions	Code-No.	Q'TY	Remark
	Transmitter	DB97-04416C (MIM-B13)	1	
	Communication Cable	DB39-00253B	1	
	DC Power Cable (5V)	DB39-00378E	1	
	DC Power Cable (12V)	DB39-00378B	1	
	485 Communication Cable	DB39-00714A	1	
	Case	DB61-00922B	1	
	Cable Tie	DB65-10088B	3	
	Transmitter MAIN	DB93-03568A	1	
	Transmitter SUB	DB93-03590A	1	
	Installation Manual	DB98-27313A	1	

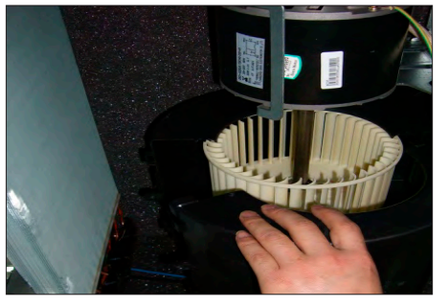
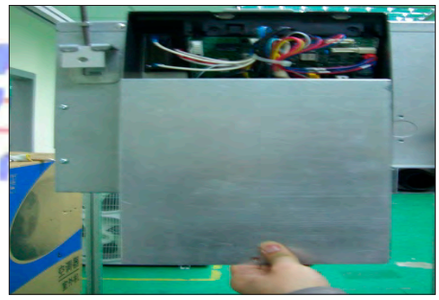
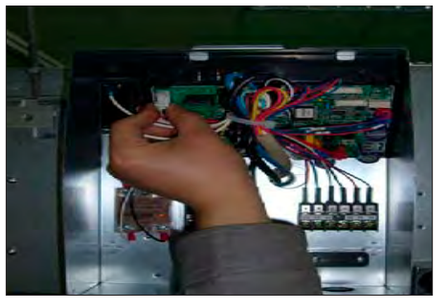
3. Disassembly and Reassembly

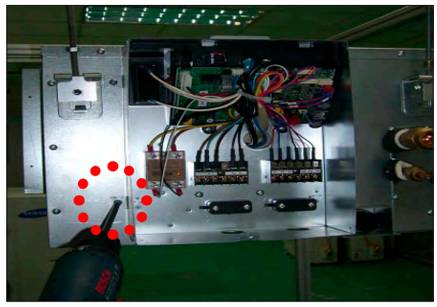
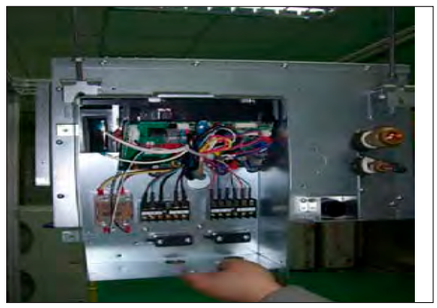
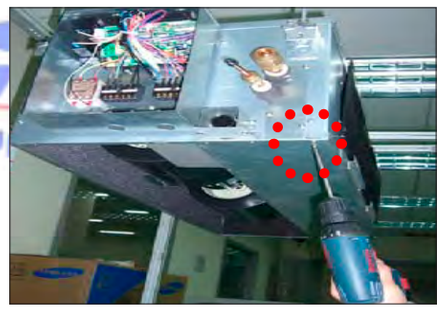
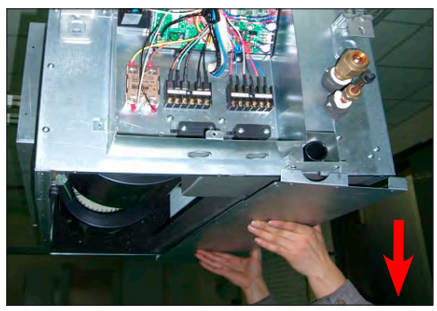
■ Necessary Tools

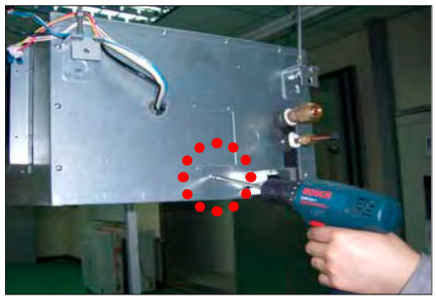
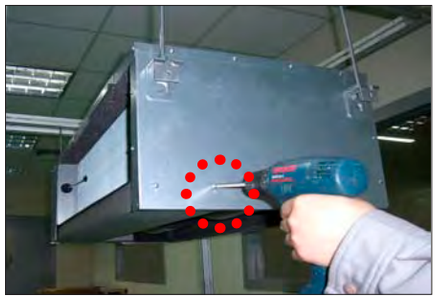
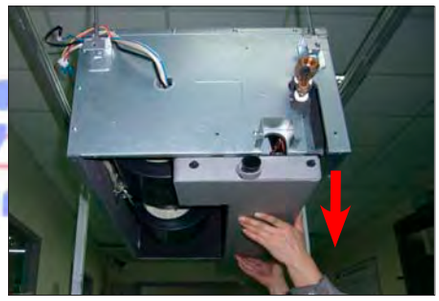
Item	Remark
+SCREW DRIVER	
MONKEY SPANNER	

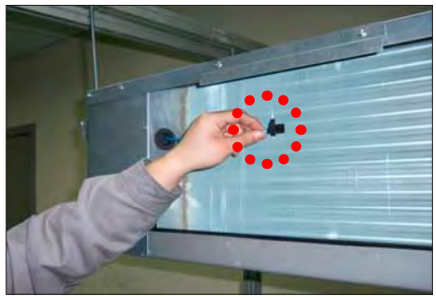
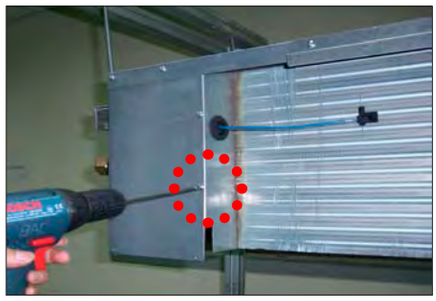
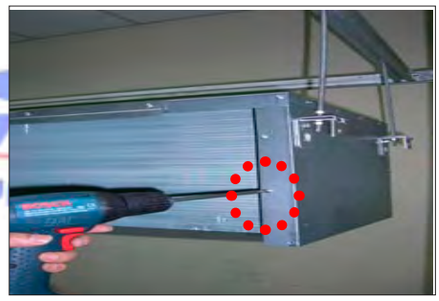
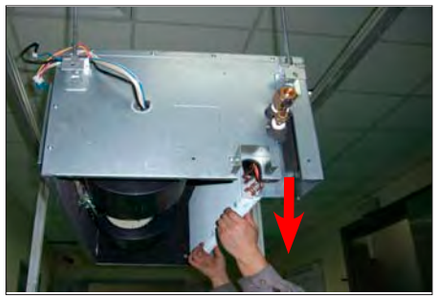
3-1 Indoor Unit

No	Parts	Procedure	Remark
1	Blower & Motor	1) After disassembling 16 places indicating screws, detach Ass'y Cabi Bottom Blower.	
			
		2) Detach from Ass'y Control In the capacitor connection wire between the Motor Fan and housing connector.	
		3) After disassembling 2 places indicating screws, detach the 2 Fan Case.	

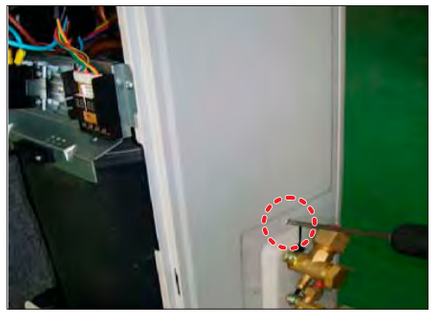
No	Parts	Procedure	Remark
		4) After disassembling 2 places indicating screws, detach Fan Motor and Blower from the set.	
2	Control In	1) After disassembling 1 Indicating screw, detach the Cover control.	
			
		2) Detach the Motor-Fan and Sensor Connector from the PCB.	

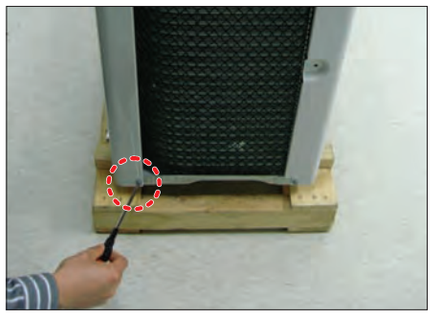
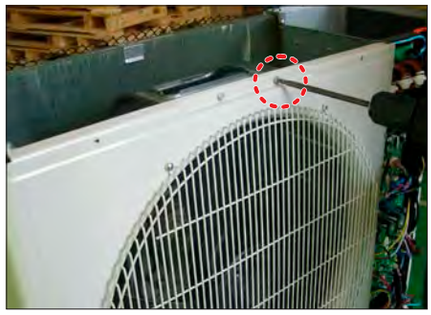
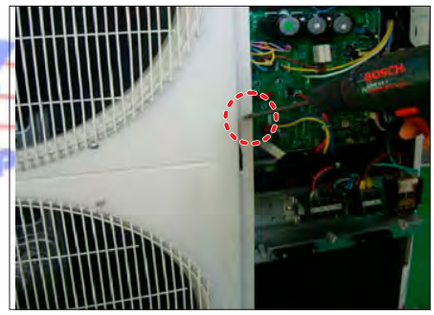
No	Parts	Procedure	Remark
		3) Disassemble 4 indicating screws and detach Control In from the set.	 
3	Drain Pan	Work is possible when Disassembling the Ass'y Cabi Bottom Blower. 1) Disassemble 7 indicating screws and detach Ass'y Cabi Bottom Drain.	 

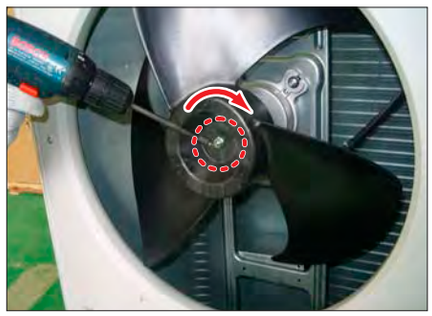
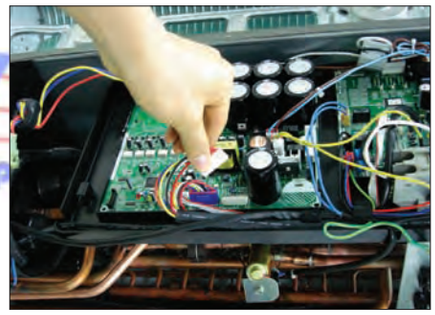
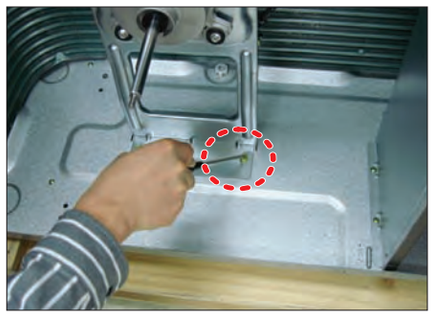
No	Parts	Procedure	Remark
		2) Disassemble 4 indicating screws and detach the Drain Pan. (2 screws each at left and right side)	  
4	Evap	Work is possible when Disassembling the Ass'y Drain Pan. 1) Disassemble 5 indicating screws to detach Cover Pipe.	

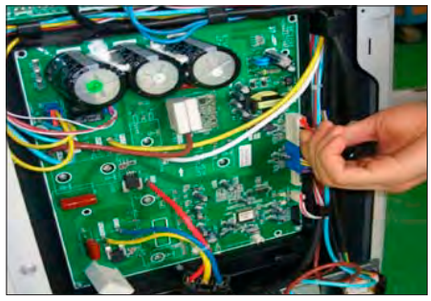
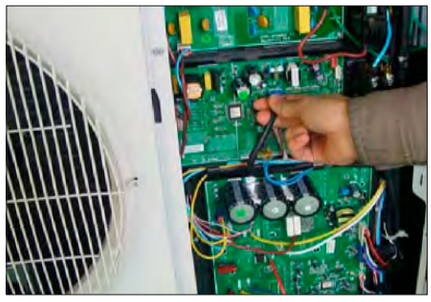
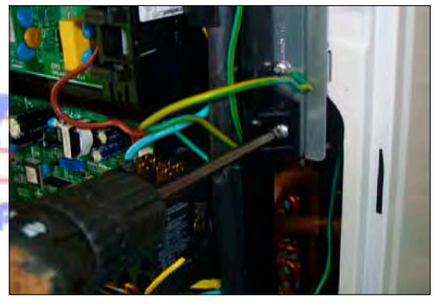
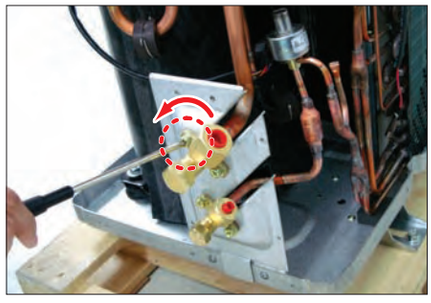
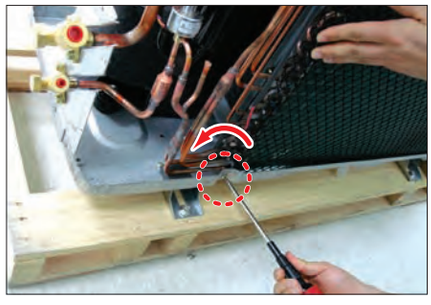
No	Parts	Procedure	Remark
		2) Disassemble Sensor on the Evap.	
		3) Disassemble 4 indicating screws which are in the near of Hanger Plate to detach the Evap. (2 screws each at left and right side) ⚠ It needs 2 peoples.	  

3-2 Outdoor Unit

No	Parts	Procedure	Remark
1	Common Work	1) Loosen 2 fixing screws of the Cabi Front Rh and detach the Cabi Front Rh.	
		2) Loosen each 8 fixing screws and detach the Cabi Top Cover.	
		3) Loosen 2 screws fixed to assemble Control Box with Cabi Back Rh.	
		4) Loosen fixing screws and detach the Cabi Back Rh.	

No	Parts	Procedure	Remark
		5) Loosen 2 screws fixed on the Cabi Back Lf.	
		6) Loosen fixing screws of the Cabi Front Lf.	
			

No	Parts	Procedure	Remark
2	Fan & Motor	1) Detach the Nut Flange like the picture on the right side.(Turn clockwise because the screw is left-handed.) (Use Monkey Spanner.)	
		2) Detach the Fan Propeller. 3) Loosen 4 fixing screws to detach the Motor.(Use Monkey Spanner.)	
		4) Disconnect the wire between Ass'y Control Out and Motor.	
		5) Loosen 2 fixing bolts and detach the Bracket Motor.(Use Monkey Spanner.)	

No	Parts	Procedure	Remark
3	Ass'y Control Out	1) Detach several connectors from the Ass'y Control Out. 2) Detach several connectors from the PCB of Ass'y Control Out. 3) Pull up the Ass'y Control Out.	  
4	Heat Exchanger	1) Release the refrigerant at first. 2) Loosen fixing screw on both sides. 3) Disassemble the pipes in both inlet and outlet with welding torch. 4) Detach the Heat Exchanger.	 

No	Parts	Procedure	Remark
5	Compressor	1) Loosen the fixing nut and detach the Compressor Lead Wire. (Use Monkey Spanner.)	
		2) Disassemble the Felt Comp Sound. 3) Loosen the 3 bolts at the bottom of Compressor like the picture on the right side.(Use Monkey Spanner.)	
			

4. Troubleshooting

4-1 Indoor Display Error and Check Method

■ Error detection and reoperation

◆ If error occurs during the operation, badness is indicated by LED flickering and all operation is stopped except LED.

◆ When reoperating by remote control and switch determine the error mode after normal operation.

■ Indoor unit LED lamp display at error detecting

Error type	LED lamp display					Remarks
	Operation	Defrost	Timer	Air flow	Filter	
	⏻	❄	🕒	🌀	▦	
Power reset	◑	X	X	X	X	
Error of temperature sensor in the indoor unit(Open/Short)	X	X	◑	X	X	
Error of heat exchanger sensor in the indoor unit	◑	X	◑	X	X	
Error of the outdoor temperature sensor Error of the condensor temperature sensor Error of the discharge temperature sensor	◑	X	X	◑	X	
1. No communication for 2 minutes between indoor units (Communication error for more than 2 minutes) 2. Indoor unit receiving the communication error from outdoor unit 3. Outdoor unit tracking 3 minutes error 4. When sending the communication error from the outdoor unit, the mismatching of the communication numbers and installed numbers after completion of tracking (Communication error for more than 2 minutes)	X	X	◑	◑	X	
1. Error of electronic expansion valve close 2. Error of electronic expansion valve open 3. 2'nd detection of high temperature cond 4. 2'nd detection of high temperature discharge 5. Error of reverse phase 6. Compressor down due to 6'th detection of freezing	X	X	◑	◑	◑	
Detection of the float switch	X	X	X	◑	◑	
Error of setting option switches for optional accessories	X	X	◑	X	◑	
EEPROM option error	◑	◑	◑	◑	◑	

● : On, ◑ : Flickering, X: OFF

❊ If you turn off the air conditioner when the LED is flickering, the LED is also turned off.

■ Wired Remocon Error Display

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

Display	Explanation	Remark
101	Indoor unit Communication Error	Communication Error
102	Indoor/Outdoor unit Communication Time Out Error 60 Packet Over data	
201	Indoor unit is not connected	
203	Communication Error between Outdoor Main and Inverter Micom (Occurred after 1 minute detection in Main and Inverter)	
121	Indoor Temp. Sensor(Open/Short Error)	Indoor Sensor Error
122	Indoor Unit Eva in Sensor(Open/Short Error)	
128	Indoor Unit Eva in Sensor Separation	
221	Outdoor Temp. Sensor Error(Open/Short Error)	Outdoor Sensor Error
237	COND Temp. Sensor Error(Open/Short Error)	
251	Inverter Compressor Discharge Temp. sensor Error(Open/Short Error)	
425	Power cable miss connection error	
153	Indoor Float Switch 2nd Detection	Self Diagnosys Error
460	Outdoor unit - indoor unit communication wire miss connection (Connected to Power terminal)	
554	Outdoor unit refrigerant Full leakage(Gas leak)	
458	Outdoor Fan 1 Error	
405	Outdoor Fan 2 Error	
416	Discharge over temperature	Outdoor Unit Protetion Control Error
461	[Inverter] Compressor starting error	
462	Primary Current Over Trip error	
464	[Inverter]IPM Over Current(O.C)	
467	[Inverter] Compressor Rotation error	
468	[Inverter] Current Sensor error	
469	[Inverter] DC LINK Sensor error	
471	[Inverter] EEPROM Read/Write Error	

■ Wired Remocon Error Display(Cont.)

Display	Explanation	Remark
404	[Inverter] Heatsink temperature over Error	Outdoor Unit Protetion Control Error
556	Outdoor unit Capacity Setup option error	
601	Communication error between Indoor unit and wired remote control	Wired remote control error
602	Communication error between Master and Slave wired remote control	
606	COM1/COM2 Cross-installed error	
EA	Error of setting option for wired remote control COM2	

4-2 Outdoor LED Error Display and Check Method

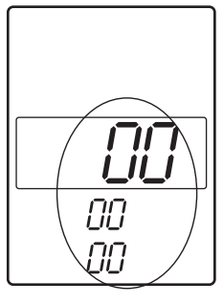
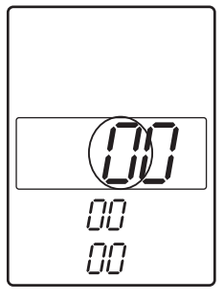
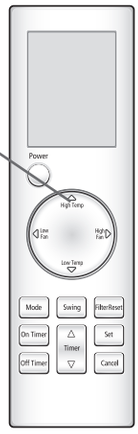
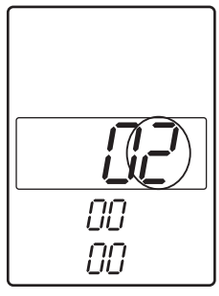
No.	LED Display			Explanation	Error Code
	Yellow	Green	Red		
1	○	○	○	Power off/ VDD NG	-
2	○	○	◎	IPM Over Current(O.C)	464
3	○	○	●	Abnormal Serial communication/ Power Cable Miss Connection	203
	○	●	●		
4	○	◎	○	Compressor Starting error	461
5	○	◎	●	Normal Operation	-
6	○	●	○	Compressor Lock error	403
7	○	●	◎	DC-Link voltage under/over error	466
8	◎	○	◎	Outdoor temperature sensor error	221
9	◎	○	●	Discharge over temperature	416
10	◎	◎	○	Discharge temperature sensor error	251
11	◎	◎	●	Current sensor error	468
12	◎	●	○	Compressor Limit error	465
13	◎	●	◎	Coil temperature sensor error	237
14	◎	●	●	1min. Time out Communication	202
15	●	○	○	Fan error	458 (FAN1) 475 (FAN2)
16	●	○	◎	OTP error	407
17	●	○	●	Compressor rotation error	467
18	●	◎	○	Operation condition secession	440 (Heating) 448 (Cooling)
19	●	◎	◎	DC-Link voltage sensor error	469
20	●	◎	●	I_Trip error	462
21	●	●	○	GAS Leak error	554
22	●	●	◎	Power Cable miss connection	425
23	●	●	●	Power ON reset(1sec)	-
24	◎	○	○	Capacity miss match	556
25	○	◎	◎	Test Operation at Cooling Mode	-
26	◎	◎	◎	Test Operation at Heating Mode	-

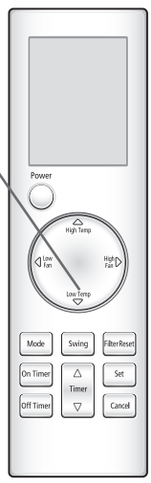
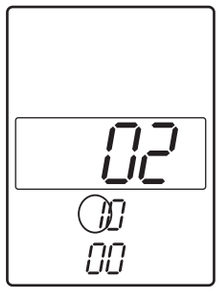
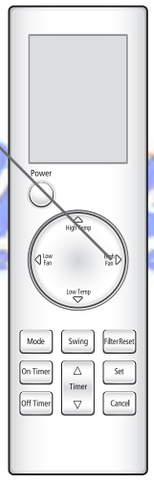
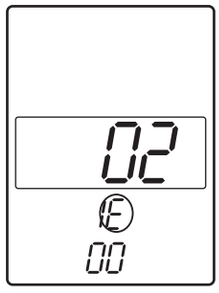
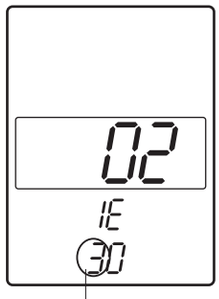
● : LED ON, ○ : LED OFF, ◎ : LED BLINK

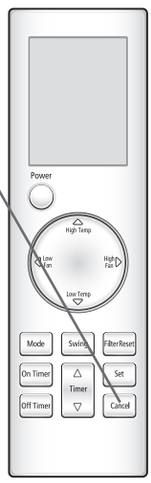
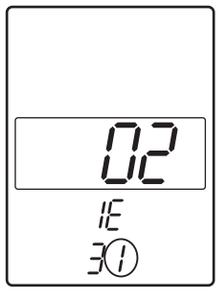
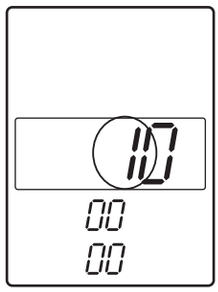
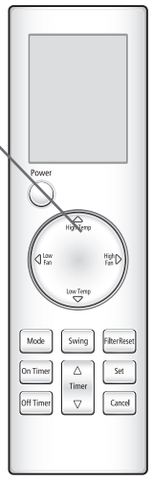
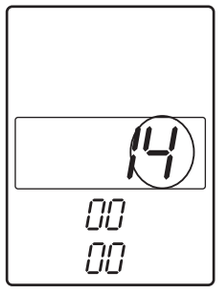
4-3 Setting Option Setup Method

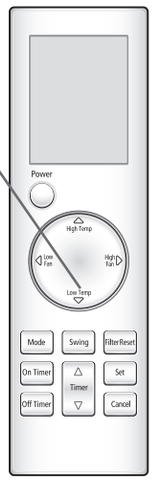
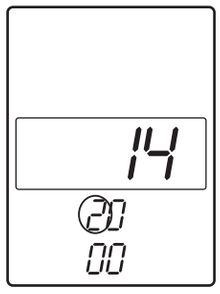
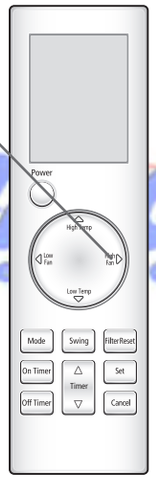
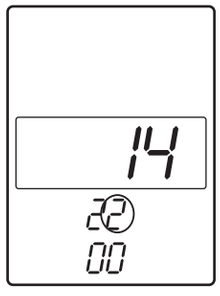
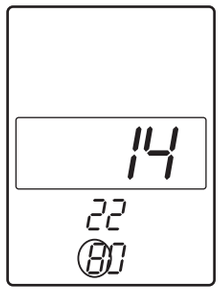
Be sure to input the option code suitable for the indoor unit by use of wireless remote controller after replacing the PCB of indoor unit. Follow to do the following 27 steps sequentially.

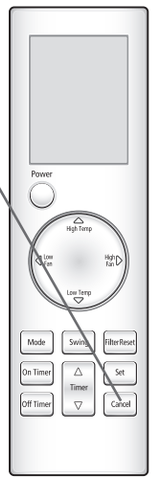
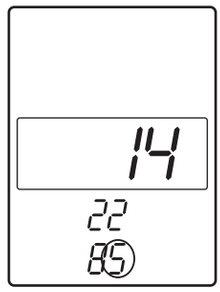
Example : 021E31-142285-2A3114-39421F

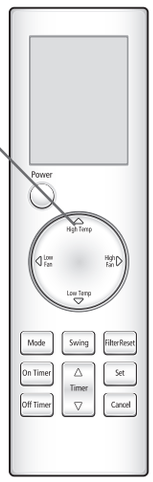
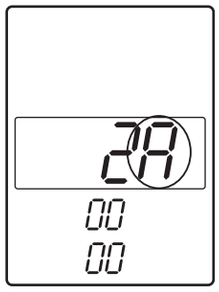
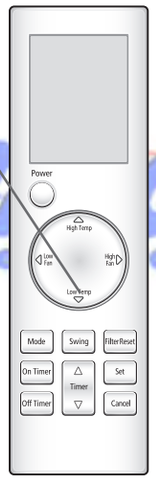
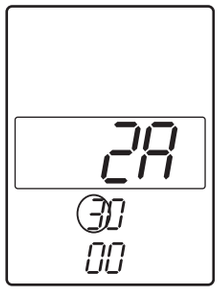
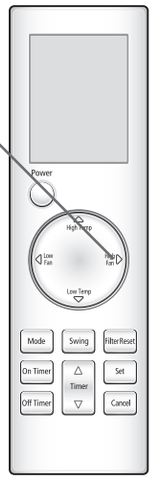
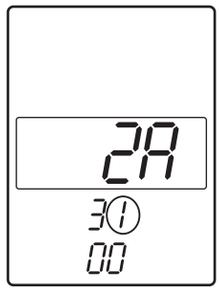
Operation method	Applicable button	Indicating state
❊ **Step 1** Method) ① Remove the battery of remote controller. ② Push the Off Timer and Cancel button simultaneously. ③Insert the battery. Result) When the display of remote controller is indicated as shown in the right, then go to the step 2.		
❊ **Step 2** Method) If the first digit of remote controller shows "0", go to the step 3. • If it shows 1, press the Mode button one time to change it into 0 and then go to step 3.		
❊ **Step 3** Method) Input the second digit of option code by pressing the High Temp button. example) 0**2**1E311422852A311439421F Result) If 2 is displayed, go to the step 4 (whenever pressing the button, 1~9, A,B,C,D,E,F are lit in order.)		

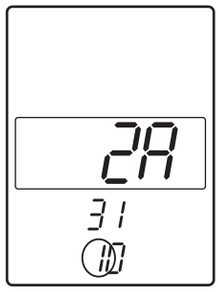
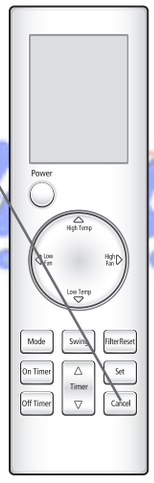
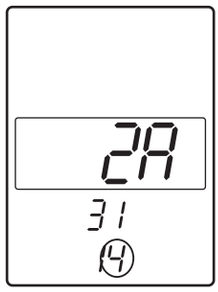
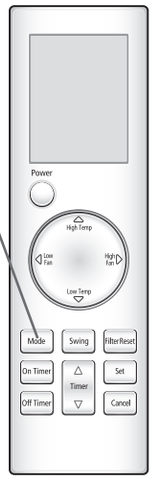
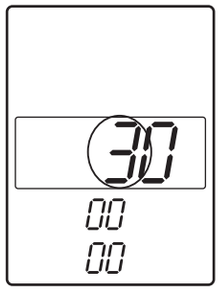
Operation method	Applicable button	Indicating state
❊**Step 4** Method) Input the third digit of option code by pressing the Low Temp button. example) 021E311422852A311439421F Result) If 1 is displayed, go to the step 5.		
❊ **Step 5** Method) Input the fourth digit of option code by pressing the High Fan button. example) 021E311422852A311439421F Result) If E displays, go to step 6.		
❊ **Step 6** Method) Input the fifth digit of option code by pressing the On Timer button. example) 021E311422852A311439421F Result) If 3 displays, go to step 7.		 **SEG5**

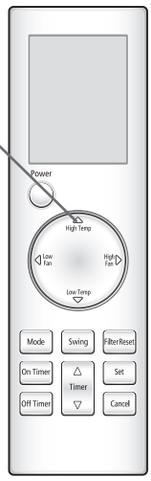
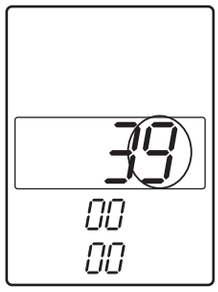
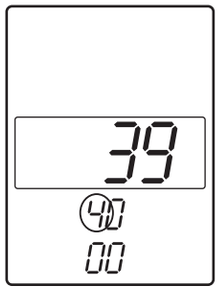
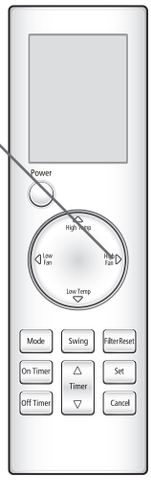
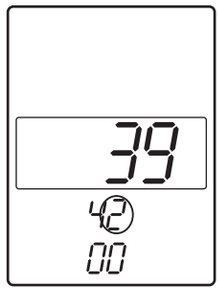
Operation method	Applicable button	Indicating state
❊ **Step 7** Method) Input the sixth digit by pressing the Cancel button. example) 021E3**1**1422852A311439421F Result) If 1 displays, go to step 8.		
❊ **Step 8** Method) After completion up to step 7, pressing Mode button. ① 1~7 steps are saved internally. ② If the first number is 1 at the time, it is correct. So go to step 9. • If wanting to see the screen of 2~7 steps, press the mode button repeatedly to make the first digit 0.		
❊**Step 9** Method) Input the eighth digit by pressing the High Temp button. example) 021E311**4**22852A311439421F Result) If 4 displays, go to step 10.		

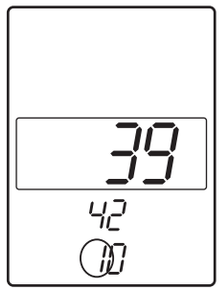
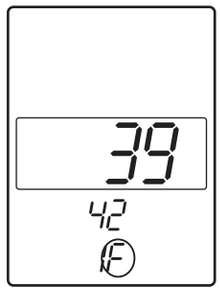
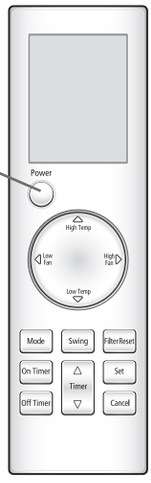
Operation method	Applicable button	Indicating state
❊ **Step 10** Method) Input the ninth digit by pressing the Low Temp button. example) 021E3114**2**2852A311439421F Result) If 2 displays, go to step 11.		
❊**Step 11** Method) Input the tenth digit by pressing the High Fan button. example) 021E31142**2**852A311439421F Result) If 2 displays, go to step 12.		
❊**Step 12** Method) Input the 11st digit by pressing the On Timer button. example) 021E311422**8**52A311439421F Result) If 8 displays, go to step 13.		

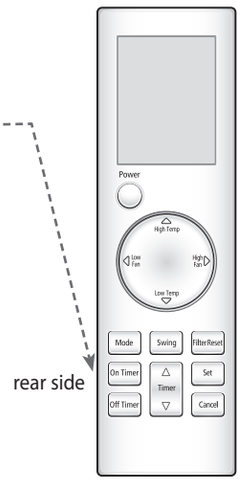
Operation method	Applicable button	Indicating state
❊ **Step 13** Method) Input the 12th digit by pressing the Cancel button. example) 021E3114228**5**2A311439421F Result) If 5 displays, go to step 14.		
❊ **Step 14** Method) After completion up to step 13, pressing Mode button. ① Previous steps are saved internally. ② If the first number is 2 at the time, it is correct. So go to step 15. • If wanting to see previous screen, press the mode button repeatedly to make the first digit to with digit.		■ **Error** ① If the On/Off, Timer and Fan indicator is flickering, the wrong option code is input. Put off the power of indoor unit and turn it on again and then input the option code again. If the same error occurs, it is the EEPROM is defective or not inserted. Replace the PCB. ② If all of On/Off, Timer, Fan and Filter Sign indicator are flickering along with the "Tiriring" sound, there is option code already input which are different from the current ones. Check the option code and press the button again if correct. Option code will be input.(Check the option code correctly. At the time, if the same error continues to occur, the option code is out of input range. Check the option code again and repeat the step 1~14.

Operation method	Applicable button	Indicating state
❊ **Step 15** Method) Input the 14th digit by pressing the High Temp button. example) 021E311422852**A**311439421F Result) If A displays, go to step 16.		
❊ **Step 16** Method) Input the 15th digit by pressing the Low Temp button. example) 021E311422852A**3**11439421F Result) If 3 displays, go to step 17.		
❊ **Step 17** Method) Input the 16th digit by pressing the High Fan button. example) 021E311422852A3**1**1439421F Result) If 1 displays, go to step 18.		

Operation method	Applicable button	Indicating state
❊ **Step 18** Method) Input the 17th digit by pressing the On Timer button. example) 021E311422852A311439421F Result) If 1 displays, go to step 19.		
❖ **Step 19** Method) Input the 18th digit by pressing the Cancel button. example) 021E311422852A311439421F Result) If 4 displays, go to step 20.		
❊ **Step 20** Method) After completion up to step 20, pressing Mode button. ① Previous steps are saved internally. ② If the first number is 3 of the time, it is correct. so go to step 22. • If wanting to see previous screen, press the mode button repeatedly to make the first digit to with digit.		

Operation method	Applicable button	Indicating state
❊ **Step 21** Method) Input the 20th digit by pressing the High Temp button. example) 021E311422852A311439421F Result) If 9 displays, go to step 22.		
❊ **Step 22** Method) Input the 21th digit by pressing the Low Temp button. example) 021E311422852A311439421F Result) If 4 displays, go to step 23.		
❖ **Step 23** Method) Input the 22th digit by pressing the High Fan button. example) 021E311422852A311439421F Result) If 2 displays, go to step 24.		

Operation method	Applicable button	Indicating state
❊ **Step 24** Method) Input the 23th digit by pressing the On Timer button. example) 021E311422852A311439421F Result) If 1 displays, go to step 25.		
❊ **Step 25** Method) Input the 24th digit by pressing the Cancel button. example) 021E311422852A311439421F Result) If F displays, go to step 26.		
❊ **Step 26** Method) Turn the remote controller toward the indoor unit and press the Power button, and if the "Ting" or "Tiriring" sounds, the input of option is completed. • If error displays, solve the problem with reference to the right side.		■ **Error** ① If the On/Off, Timer and Fan indicator is flickering, the wrong option code is input. Put off the power of indoor unit and turn it on again and then input the option code again. If the same error occurs, it is the EEPROM is defective or not inserted. Replace the PCB. ② If all of On/Off, Timer, Fan and Filter Sign indicator are flickering along with the "Tiriring" sound, there is option code already input which are different from the current ones. Check the option code and press the button again if correct. Option code will be input.(Check the option code correctly. At the time, if the same error continues to occur, the option code is out of input range. Check the option code again and repeat the step 1~26.

Operation method	Applicable button	Indicating state
❊ **Step 27** Method) If the steps 1 to 26 are completed, remove the battery and insert it again to return to the original display of remote controller. (Operation mode/SET TEMP. /fan speed displays.)		■ Error ① If the On/Off, Timer and Fan indicator is flickering, the wrong option code is input. Put off the power of indoor unit and turn it on again and then input the option code again. If the same error occurs, it is the EEPROM is defective or not inserted. Replace the PCB. ② If all of On/Off, Timer, Fan and Filter Sign indicator are flickering along with the "Tiriring" sound, there is option code already input which are different from the current ones. Check the option code and press the button again if correct. Option code will be input.(Check the option code correctly. At the time, if the same error continues to occur, the option code is out of input range. Check the option code again and repeat the step 1~26.

■ OPTION ITEMS

Static Pressure	DH140CAV	DH105CAV
	Option Code	Option Code
12mmAq	016774-13C2FF-200001-300000	015774-11C2DD-200001-300000
10mmAq	016774-13C2CC-200001-300000	015774-11C28A-200001-300000
8mmAq	016774-13C2AA-200001-300000	015774-11C248-200001-300000
6mmAq	016774-13C286-200001-300000	015774-11C224-200001-300000
4mmAq	016774-13C264-200001-300000	015774-11C0F1-200001-300000
2mmAq	016774-13C240-200001-300000	015774-11C0E0-200001-300000
0mmAq	016773-13C32E-200001-300000	015773-11C1CE-200001-300000

4-4 Items to be checked first

1. The input voltage should be rating voltage ±10% range.
   The air conditioner may not operate properly if the voltage is out of this range.

2. Is the link cable linking the indoor unit and the outdoor unit linked properly?
   The indoor unit and the outdoor unit shall be linked by 4 cables.
   Check the terminals if the indoor unit and outdoor unit are properly linked by the same number of cables.
   Otherwise the air conditioner may not operate properly.

3. When a problem occurs due to the contents illustrated in the table below it is a symptom not related to the malfunction of the air conditioner.

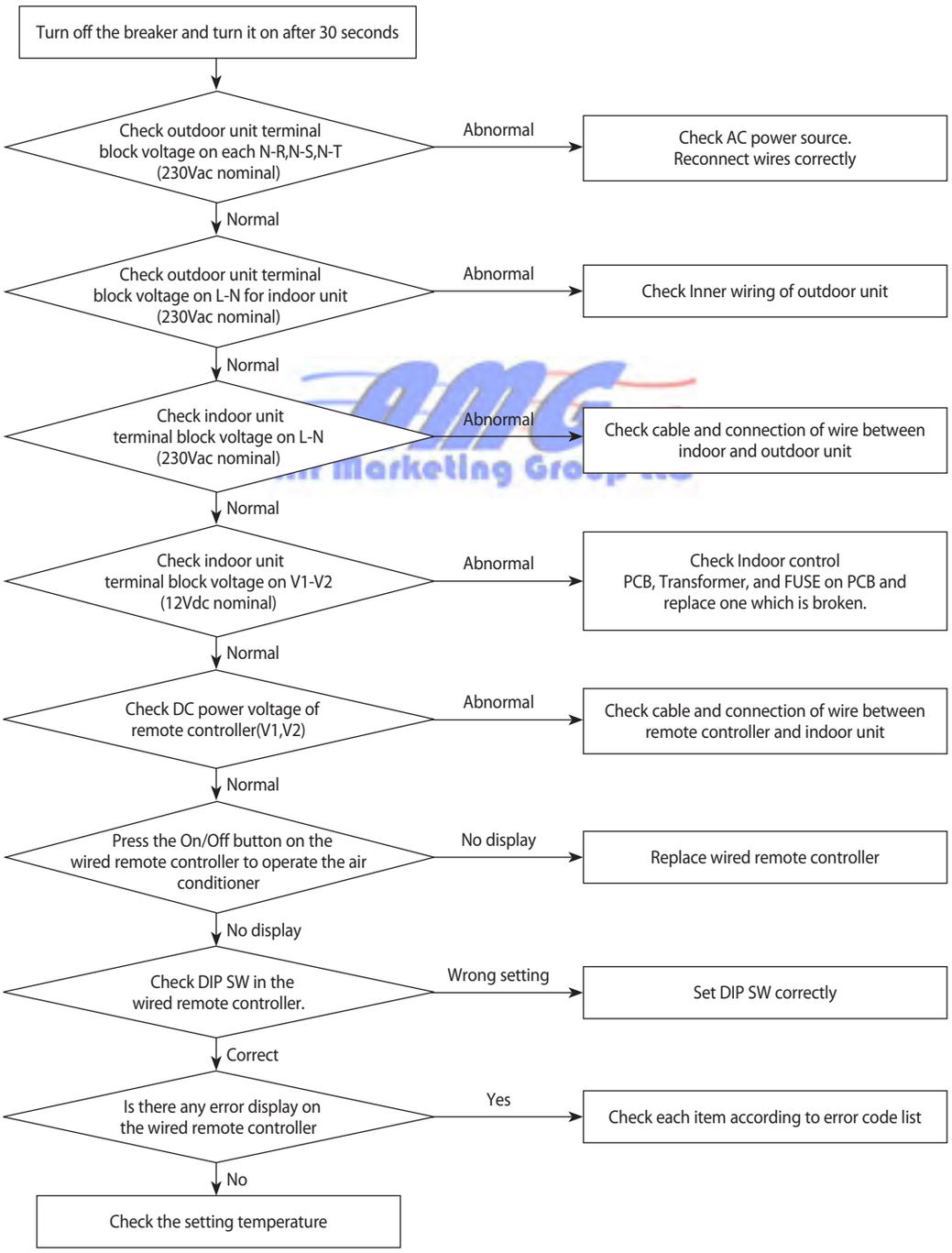
No	Operation of air conditioner	Explanation
1	In a COOL operation mode, the compressor does not operate at a room temperature higher than the setting temperature that the INDOOR FAN should operate. **[In case of heat pump model]** In a HEAT operation mode, the compressor does not operate at a room temperature lower than the setting temperature that indoor fan should operate.	In happens after a delay of 3 minutes when the compressor is reoperated. The same phenomenon occurs when a power is on. As a phenomenon that the compressor is reoperated after a delay of 3 minutes, the indoor fan is adjusted automatically with reference to a temperature of the air blew.
2	Compressor stops operation intermittently in DRY( ) mode.	Compressor operation is controlled automatically in DRY mode depending on the room temperature and humidity.
3	**[In case of heat pump model]** Compressor of the outdoor unit is operating although it is turned off in a HEAT mode.	When the unit is turned off while de-ice is activated, the compressor continues operation for up to 12 minutes(maximum) until the deice is completed.
4	**[In case of heat pump model]** The compressor and indoor fan stop intermittently in HEAT mode.	The compressor and indoor fan stop intermittently if room temperature exceeds a setting temperature in order to protect the compressor from overheated air in a HEAT mode.
5	**[In case of heat pump model]** Indoor fan and outdoor fan stop operation intermittently in a HEAT mode.	The compressor operates in a reverse cycle to remove exterior ice in a HEAT mode, and indoor fan and outdoor fan do not operate intermittently for within 20% of the total heater operation

4-5 Fault Diagnosis by Symptom

4-5-1 No Power(completely dead) - Initial diagnosis

1. Checklist:
   1) Is Power source voltage normal?
   2) Is AC power linked correctly?(miss-wiring, wire detaching etc.)
   3) Is any LED on the MAIN PCB of Outdoor unit lit?
   4) Is terminal voltage for indoor unit normal?(230Vac nominal)
   5) Is Wired remote controller installed correctly?

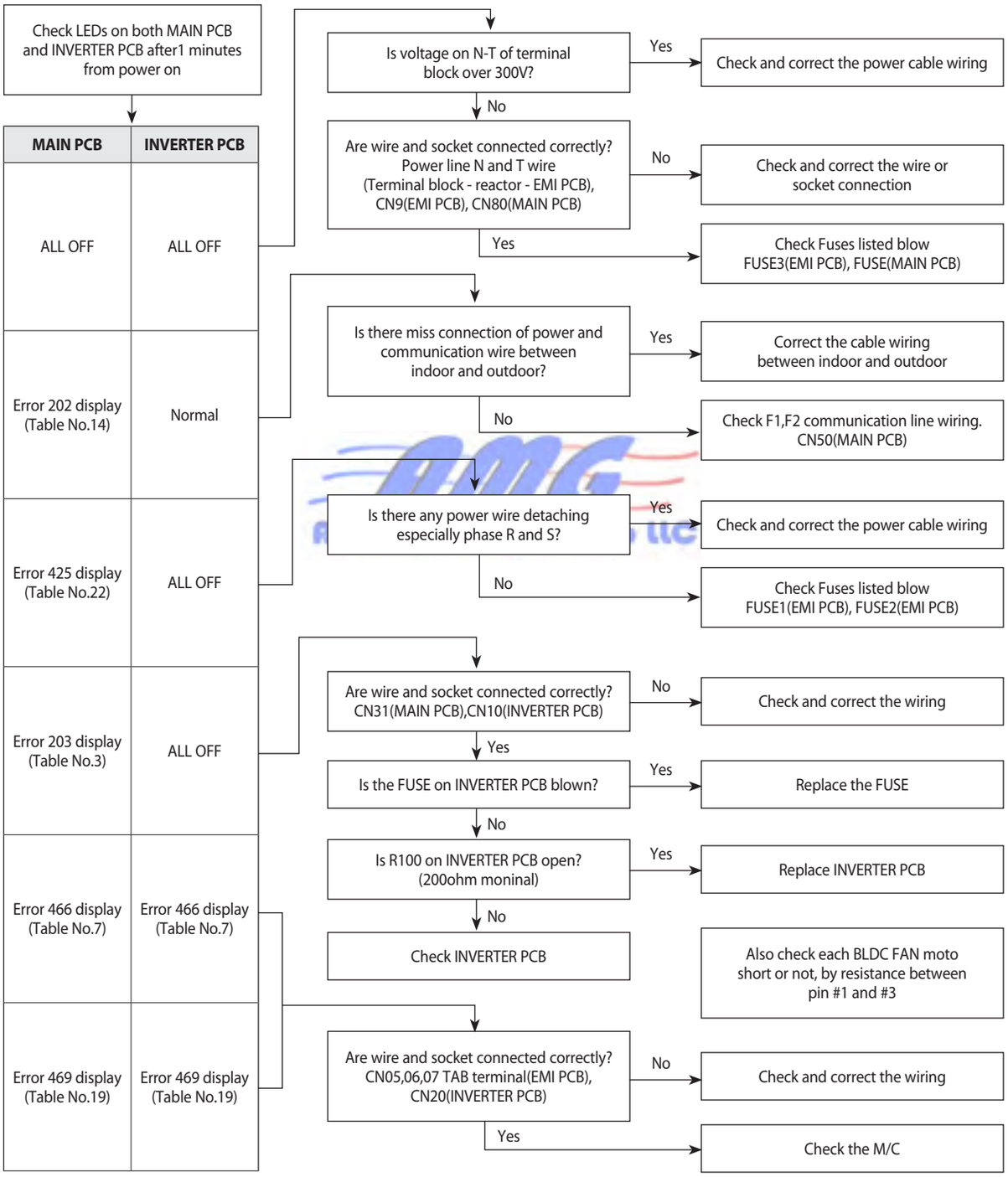
2. Troubleshooting procedure



4-5-2 The Outdoor unit Power Supply error

1. Checklist:
   1) Are the input power voltage and power connection correct?
   2) Is there any Fuse Short of the indoor or outdoor unit?
   3) Is any LED lit on both MAIN PCB and INVERTER PCB?
   4) Are Reactor wires of the outdoor unit connected correctly?

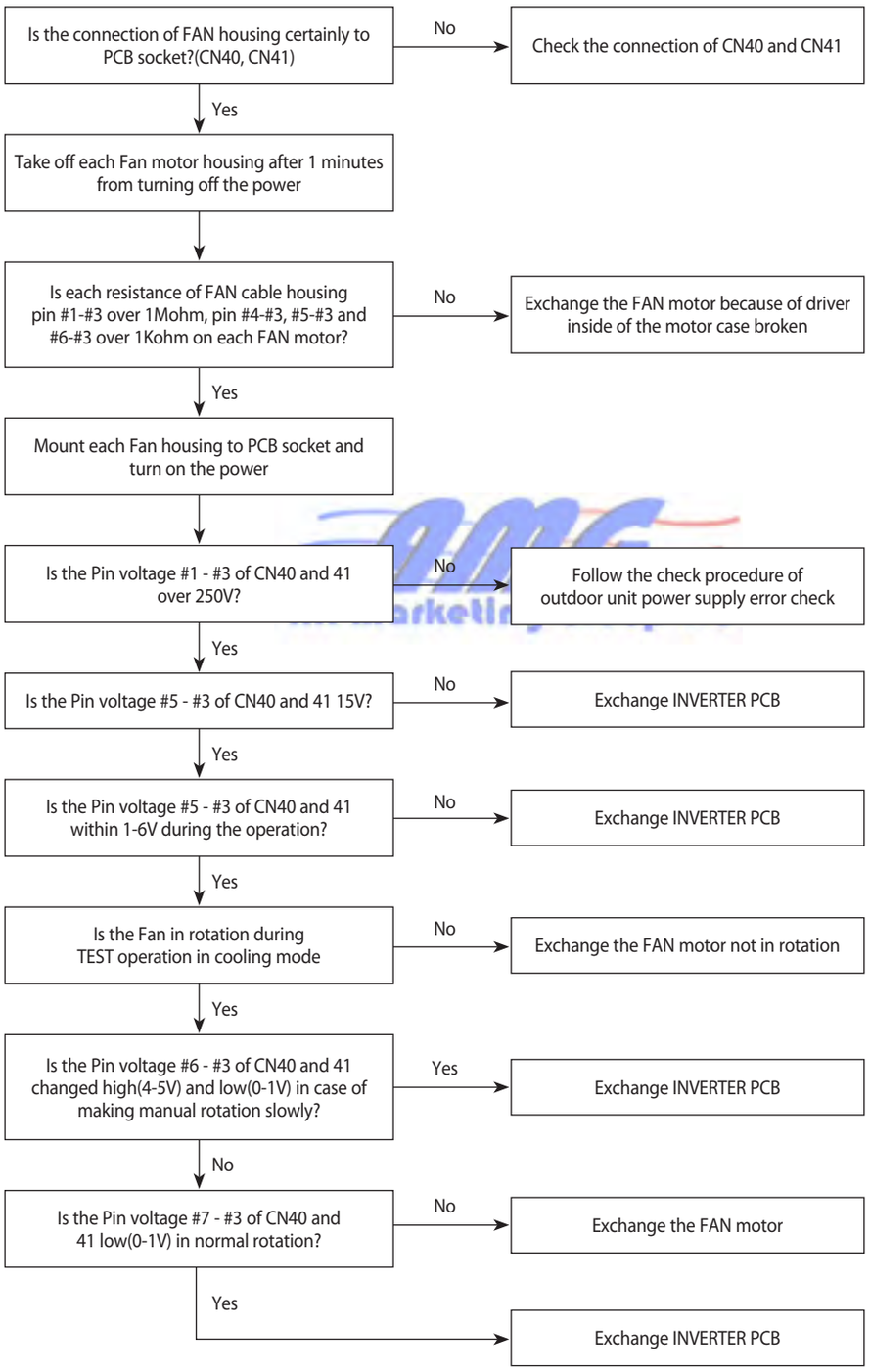
2. Troubleshooting procedure



4-5-3 The Outdoor unit Fan error

1. Checklist:
   1) Are the input power voltage and power connection correct?
   2) Is the motor wire connected to the outdoor PCB correctly?
   3) Is there no obstacle at the surrounding of motor and propeller?
   4) Does the driver in the motor case broken?

2. Troubleshooting procedure



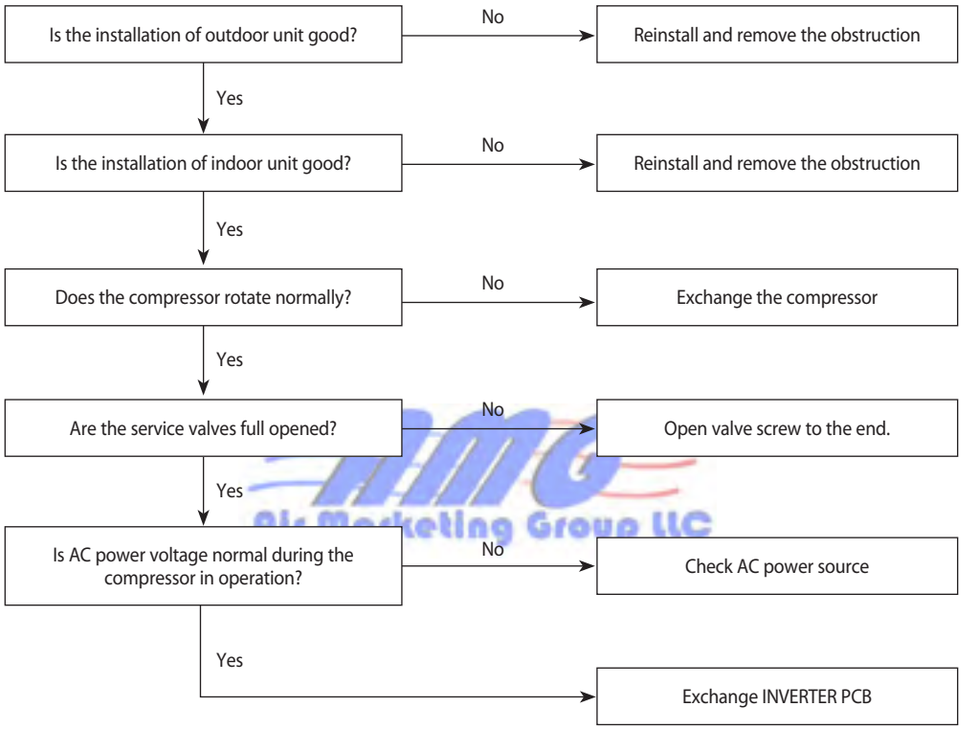
TEST operation
press K900 button on the MAIN PCB after power on.

- once : cooling mode
- twice in a second : heating mode

4-5-4 Total current trip error

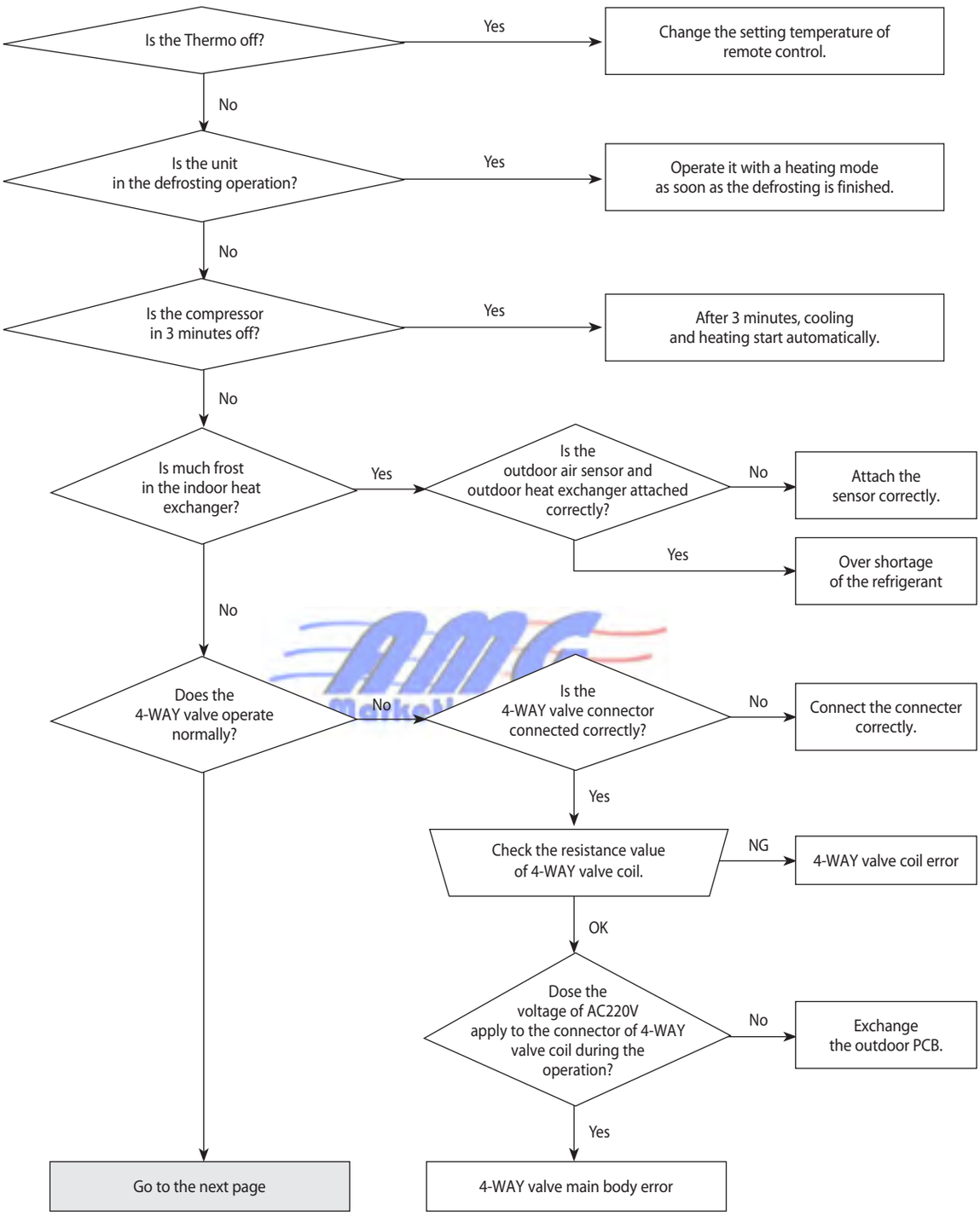
1. Checklist :
   1) Is the input power voltage proper?
   2) Is the refrigerant charged properly?
   3) Does the compressor rotate normally?(Reverse rotation, Locking etc.)
   4) Does the outdoor fan operate normally?(Fan propeller loss, Motor error ect.)
   5) Is the installation condition of outdoor unit good?(Piping, Space etc.)
   6) Is there no ventilation obstruction at the surrounding of outdoor unit?(Outdoor unit cover, Fan front obstruction etc.)
   7) Is there no ventilation obstruction at the surrounding of indoor unit?(Overload condition in heating mode)

2. Troubleshooting procedure

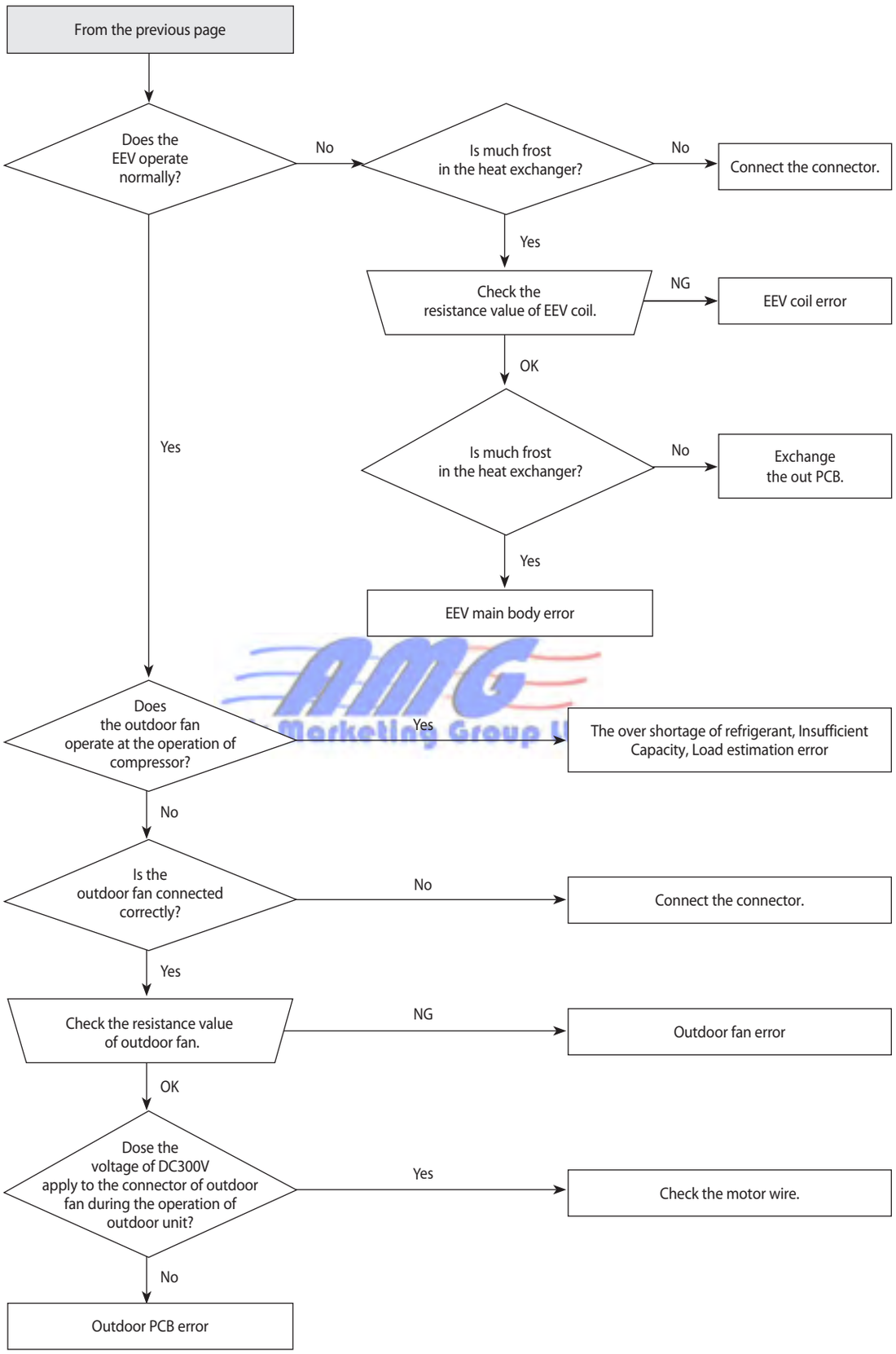


4-5-5 In case of heating at the cooling mode or cooling at the heating mode

1. Troubleshooting procedure



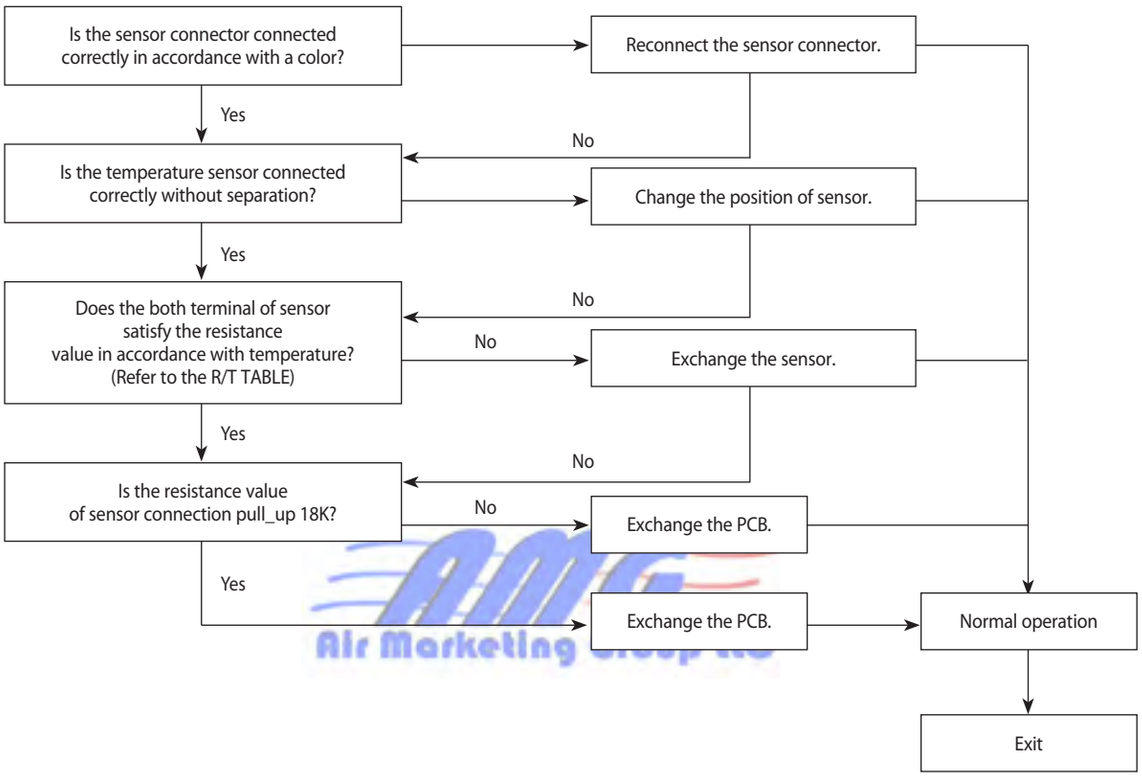
In case of heating at the cooling mode or cooling at the heating mode(cont.)

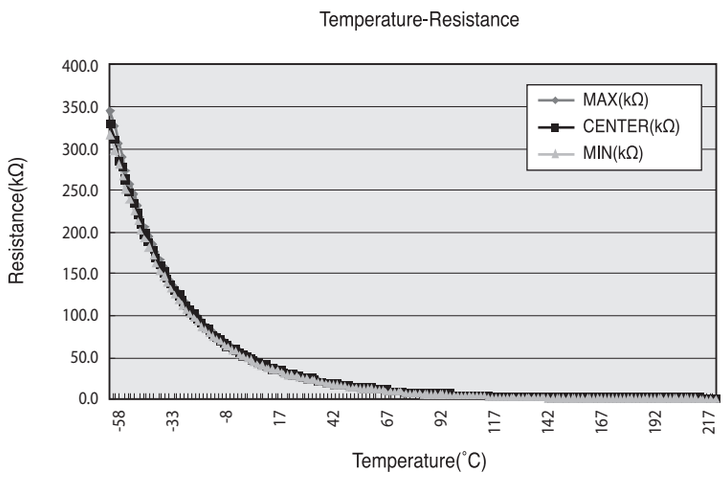


4-5-6 Outdoor temperature sensor error

1. Checklist :
   1) Is the sensor connector connected correctly?
   2) Is the sensor placed correctly?
   3) Does the both terminal of sensor satisfy the resistance value in accordance with temperature?
   4) Is the resistance value of sensor connection pull_up correct?

2. Troubleshooting procedure

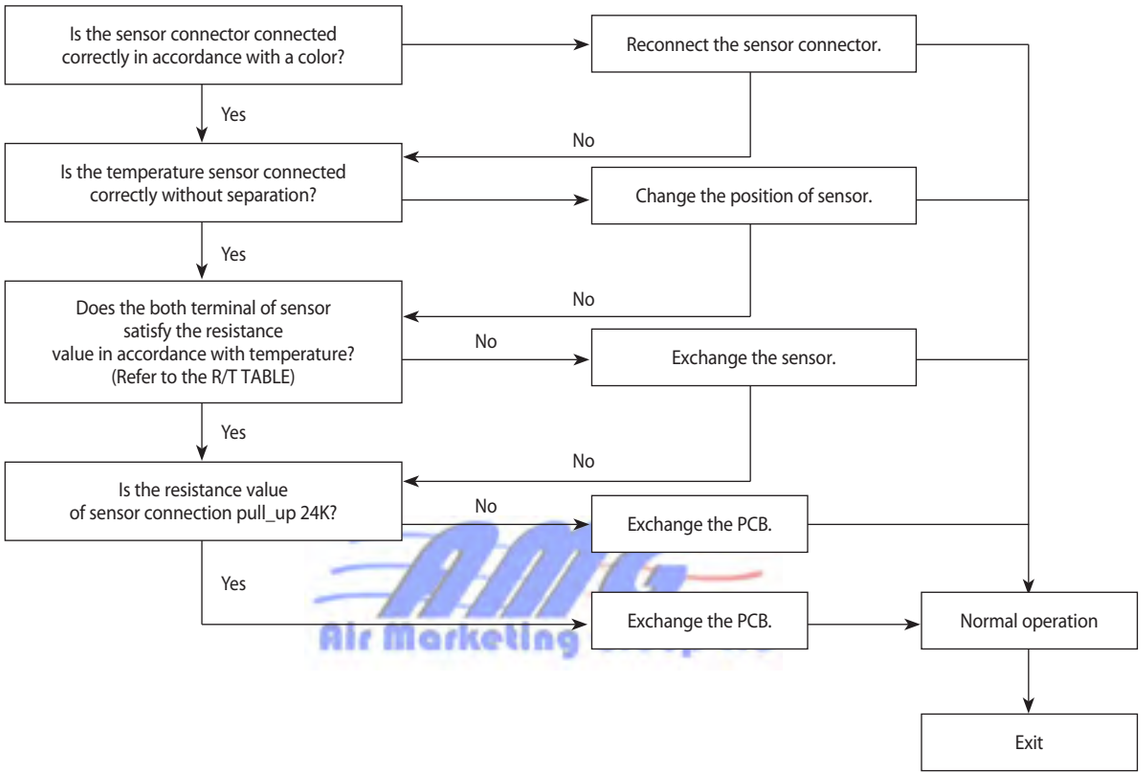


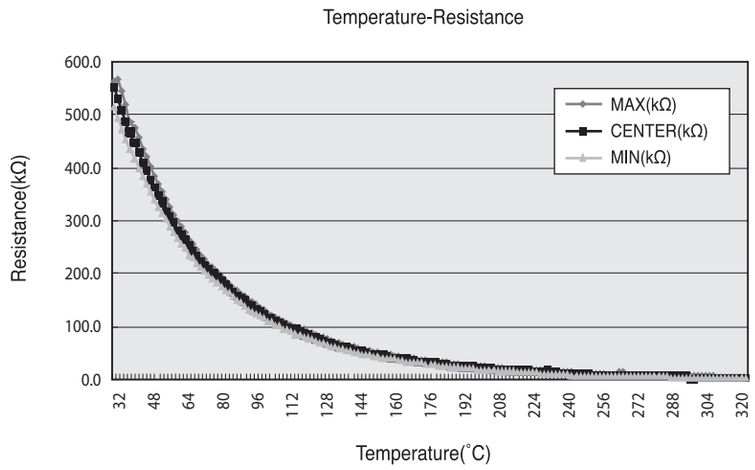


4-5-7 Discharge temperature sensor error

1. Checklist :
   1) Is the sensor connector connected correctly?
   2) Is the sensor placed correctly?
   3) Does the both terminal of sensor satisfy the resistance value in accordance with temperature?
   4) Is the resistance value of sensor connection pull_up correct?

2. Troubleshooting procedure

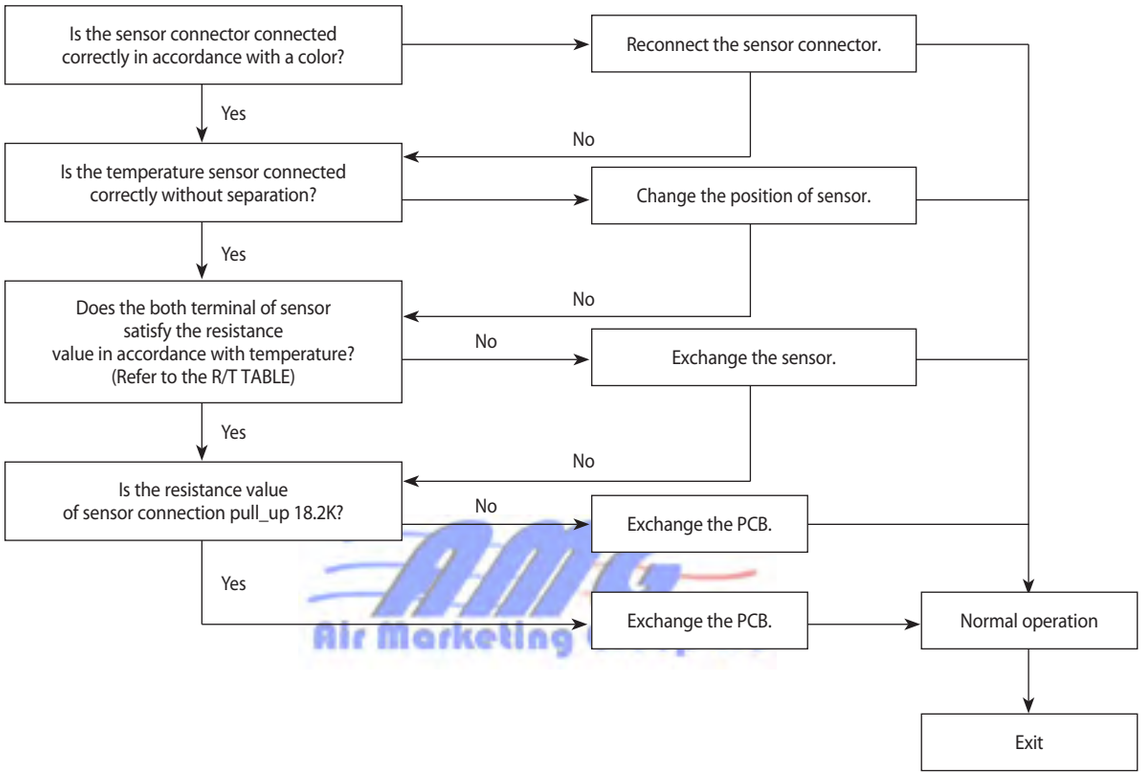


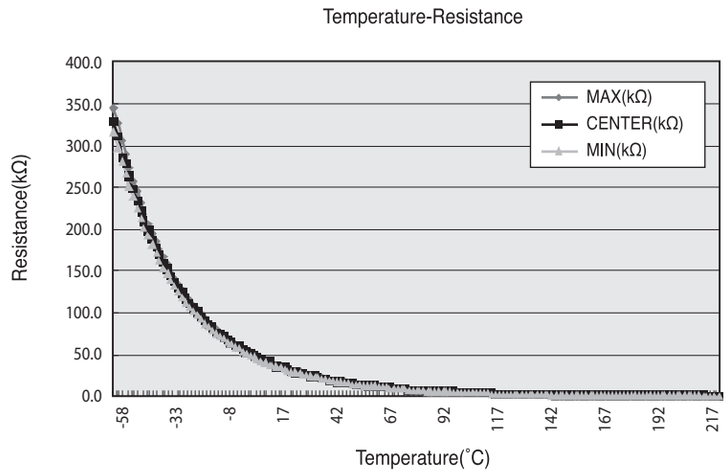


4-5-8 Coil temperature sensor error

1. Checklist :
   1) Is the sensor connector connected correctly?
   2) Is the sensor placed correctly?
   3) Does the both terminal of sensor satisfy the resistance value in accordance with temperature?
   4) Is the resistance value of sensor connection pull_up correct?

2. Troubleshooting procedure

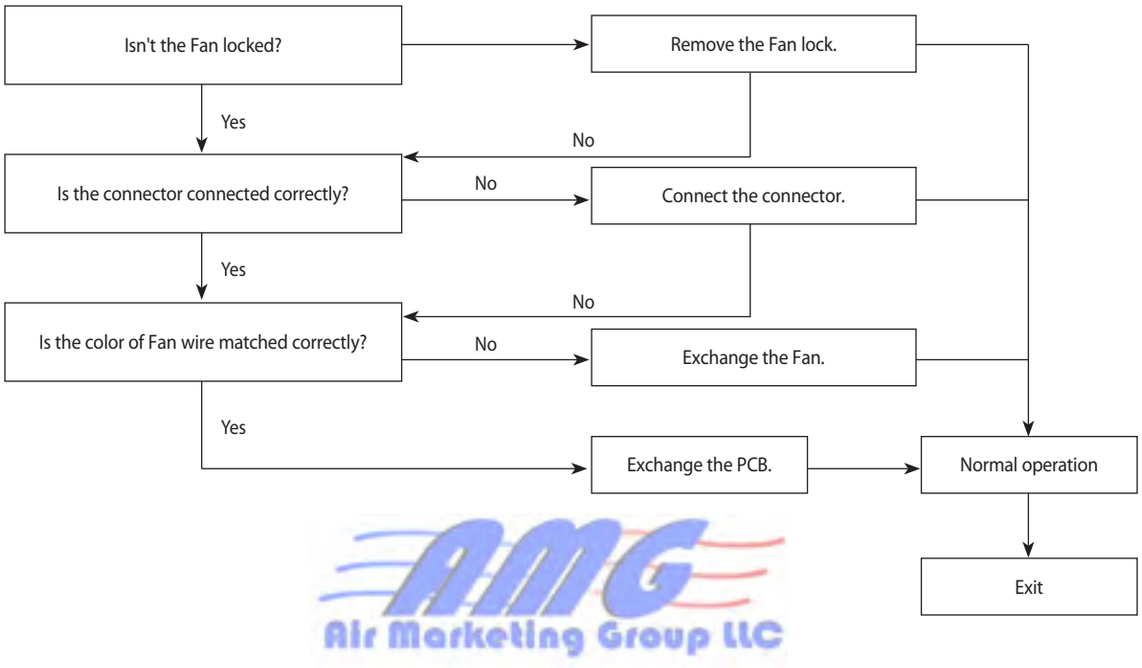




4-5-9 Fan error

1. Checklist :
   1) Isn't the fan locked?
   2) Is the sensor placed correctly?
   3) Does the both terminal of sensor satisfy the resistance value in accordance with temperature?
   4) Is the resistance value of sensor connection pull_up correct?

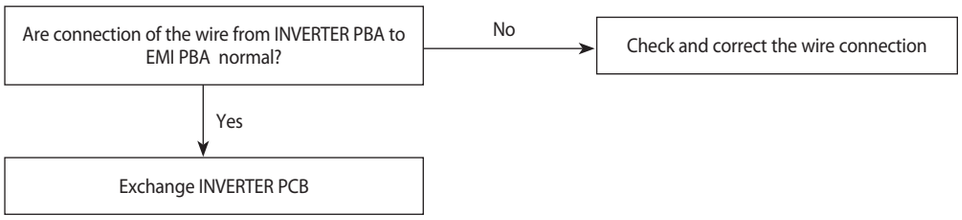
2. Troubleshooting procedure



4-5-10 DC-Link voltage sensor error

1. Checklist :
   1) Is the connection of R, S, T power wire normal?
   2) Are Relay RY21 and R200 on the INVERTER PCB mounted normally?

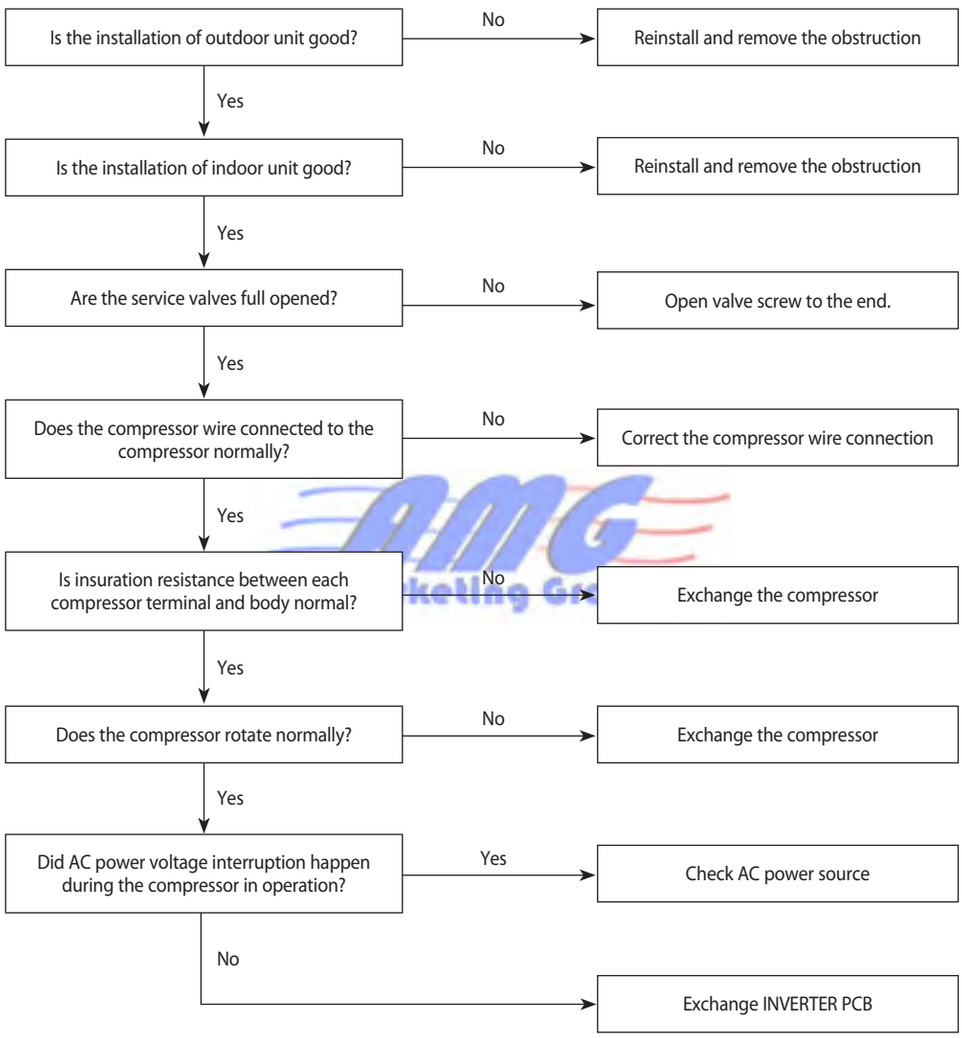
2. Troubleshooting procedure



4-5-11 O.C.(Over Current) error

1. Checklist :
   1) Is the refrigerant charged properly?
   2) Does the compressor rotate normally?(Reverse rotation, Locking etc.)
   3) Is connection of compressor wire normal?
   4) Is compressor motor normal?(Insulation, Coil resistance etc.)
   5) Does a temporary cycle overload condition happened?

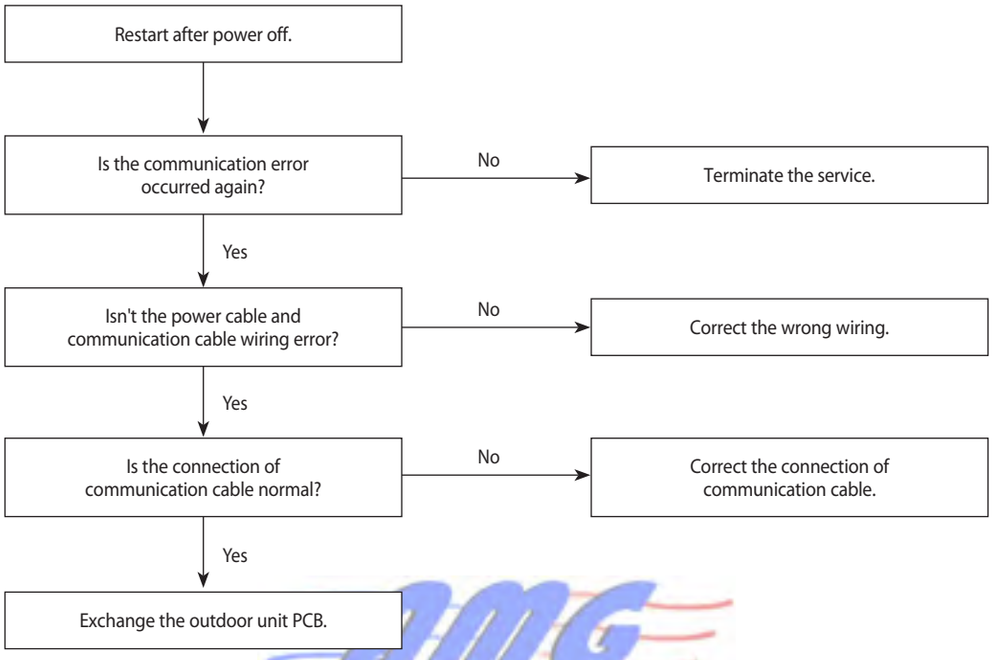
2. Troubleshooting procedure



4-5-12 Communication error

1. Checklist :
   1) Is the communication cable between the indoor unit and outdoor unit connected correctly?
   2) Isn't the power cable and communication cable wiring error?

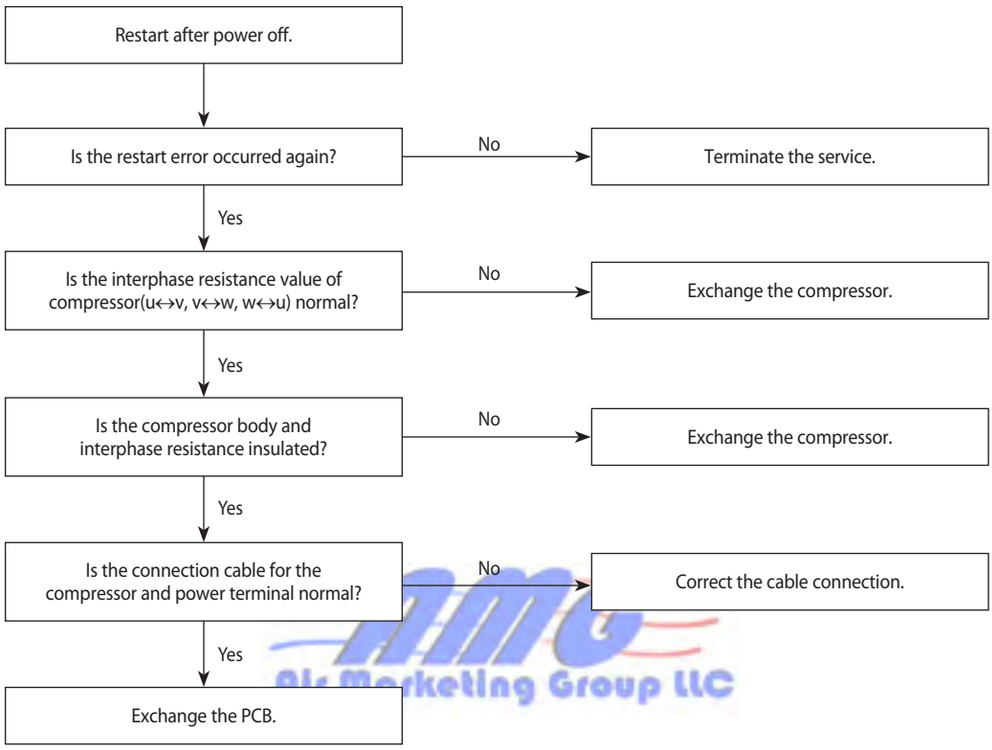
2. Troubleshooting procedure



4-5-13 Compressor start error

1. Checklist :
   1) Is the connection of cable for the compressor and power?
   2) Is the interphase resistance of compressor normal?

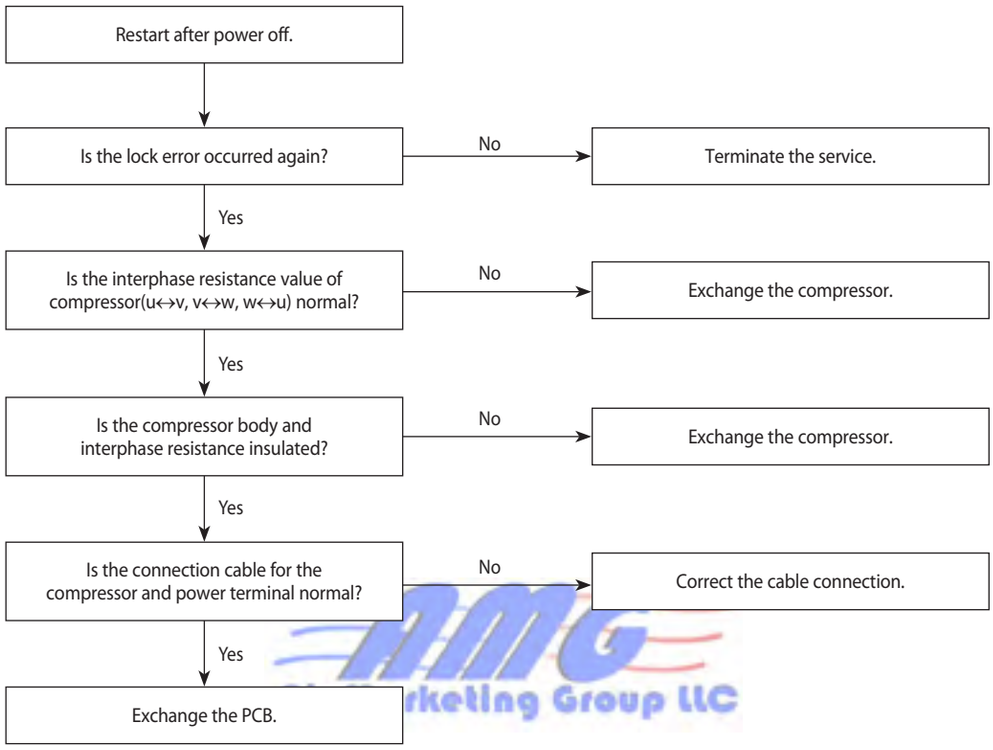
2. Troubleshooting procedure



4-5-14 Compressor lock error

1. Checklist :
   1) Is the connection of cable for the compressor and power?
   2) Is the interphase resistance of compressor normal?

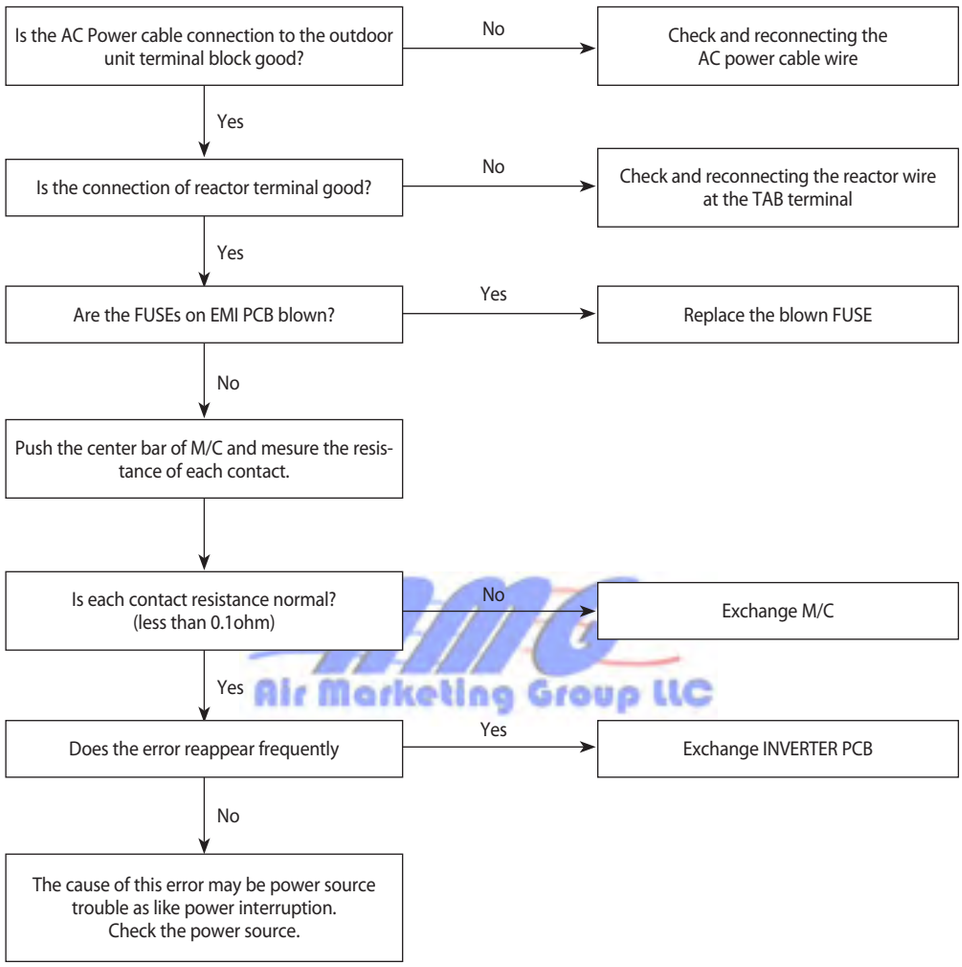
2. Troubleshooting procedure



4-5-15 DC Link Over voltage/ Low voltage error

1. Checklist :
   1) Is the power voltage normal?(Lightning, Power interruption etc.)
   2) Is AC Power cable connection normal?(Detaching the wire)

2. Troubleshooting procedure



4-5-16 The others

1. Capacity miss match
   – Check again the indoor unit option code.

4-6 PCB Inspection Method

4-6-1 Pre-inspection Notices

1. Turn off the breaker, AC power source, before disassembling the unit because of electrical hazard.
2. Confirm the complete discharge of capacitor C102, C702, C703, C704, C705, C706, C707 on the INVERTER PCB when you touch the PCB.Especially dischargeing speed of C702-C707 is very slow because of little load in stand-by condition. To confirm the voltae of C702-C707, measure the DC link voltage at the IGBT module pins near C701 at which applying voltage(450-510Vdc) is marked.
   To confirm discharging of C102, measure the voltage of non mounted C103 solder hole or check if all LEDs are off.
3. Don't touch the metal body of electrolytic capacitor for avoiding electrical shock before confirming discharge.
4. To discharging the capacitor use power resistor of about 1 Kohm 10W. Soldering tool(non electronic temperature control type) can be used as a discharging resistor.
5. Don't pull the lead wire but hold the whole housing to disconnect or connect a housing from or to the PCB.

4-6-2 Inspection Procedure

1. Check the connection of each housing to the connector first and the peeling of PCB copper pattern.
2. The PCB is composed of the 3 part in the indoor unit.
   - INDOOR Main PCB part : Indoor unit control, MICOM and surrounding circuit, relay, fan motor driving circuit, sensor reading circuit, buzzer driving circuit and DC power supplying circuit.
   - Display PCB part : LED lamps, Switch,Remocon module.
   - INDOOR EMI PCB part : Line filter, Noise Capacitor and Varistor
3. The PCB is composed of the 3 part in the outdoor unit.
   - EMI PCB part : Line filter for electrical noise, Varistors for surge and Fuses.
   - MAIN PCB part : Refrigeration cycle controller with MICOM
   - INVERTER PCB part : Compressor driving inverter and BLDC fan controller

4-6-3 Indoor Detailed Inspection Procedure

No	Procedure	Inspection Method	Cause
1	Open the electronic component box and check the PCB fuse	Turn off the power 1) Is the Fuse F701 on the EMI PCB blown? 2) Is the Fuse F702 on the MAIN PCB blown?	• Over current • Indoor fan motor short • PCB AC Part pattern short
2	Check the LEDs for DC power and communi-cation condition	Turn on the power 1) Is RED LED blinking? his led means micom is running normally. 2) Is GREEN LED blinking? This means communication between Indoor and Outdoor unit is on 3) Is YELLOW LED blinking? This means communication between Indoor and wired remote controller is on. It may take one minute to start communication	• Communication ciucuit trouble • Communication wire connection trouble • wrong connection for power supply wire of remote controller
3	Check the DIP and rotary switch on the PCB	1) Is the setting of each switch proper?	• Wrong setting of switch
4	Check the DC voltage	1) Is the voltage of CN32 pin #1-#2 12V? 2) Is the voltage of C109 V?	• SMPS on MAIN PBA trouble • Load short
5	FAN operation checking Press the ON/OFF button. 1. FAN Speed[HIGH] 2. FAN mode	1) Is the FAN motor running? 2) Is the connection of CN73 normal?	• Controller trouble inside of the fan motor • connector trouble of CN73

4-6-4 Outdoor Detailed Inspection Procedure

No	Procedure	Inspection Method	Cause
1	Turn OFF the power and check wire and socket connection on each part	Wait until C702-C707 discharged 1) Is connection of housing to socket normal? 2) Is connection of each wire to terminal block normal? 3) Is the reactor wire connection normal? 4) Is there no miss-wiring of each cable?	• installation mistake • miss assembling
2	FUSE check	Is the fuses on each PCB normal? 3 fuese on EMI PCB 1 fuse on MAIN PCB 1 fuse on INVERTER PCB	• wire short • overload • BLDC FAN short error
3	Turn on the power and check voltage of terminal block	Is N-R,N-S,N-T around 230Vac? Is R-S,S-T,T-R around 400Vac? Is L-N(to indoor unit) around 230Vac? Is F1-F2 within 5Vdc?	• miss wiring of power cable • wire detaching
4	Check LED display on AIN PCB	1) Is RED LED ON? 2) Is GREEN LED Blinking once a second? 3) Is LEDs displaying error code pattern?	• MAIN PCB power trouble • bad communication between indoor and outdoor unit • error detection
5	Check LED display on INVERTER PCB	1) Is RED LED ON? 2) Is GREEN LED Blinking once a second? 3) Is LEDs displaying error code pattern?	• INVERTER PCB power trouble • NO communication between MAIN and INVERTER PCB • error detection
6	Check DC voltage of SMPS output	**MAIN PCB** 1) Is voltage of CN51 pin#1-#2 12-14.5V? 2) Is voltage of C108 5V? **INVERTER PCB** 3) Is voltage of CN51 pin#1-#2 5V? 4) Is voltage of C124 12V? 5) Is voltage of each ZD100,ZD101,ZD102,ZD103 17-18V?	• SMPS circuit trouble
7	Check INVERTER PCB	1) Is resistance of R100 200ohm? To check this, touch one probe to CN10 pin#1(N) and the other to D101 upper side pin of '~' marking pins 2) Is DC Link voltage 450-510V? Check IGBT module pins marking voltage near C701	• resister • wire connection between EMI PCB and INVERTER PCB
8	Check BLDC fan	1) See 12-2-3 The Outdoor unit Fan error(Fault Diagnosis)	

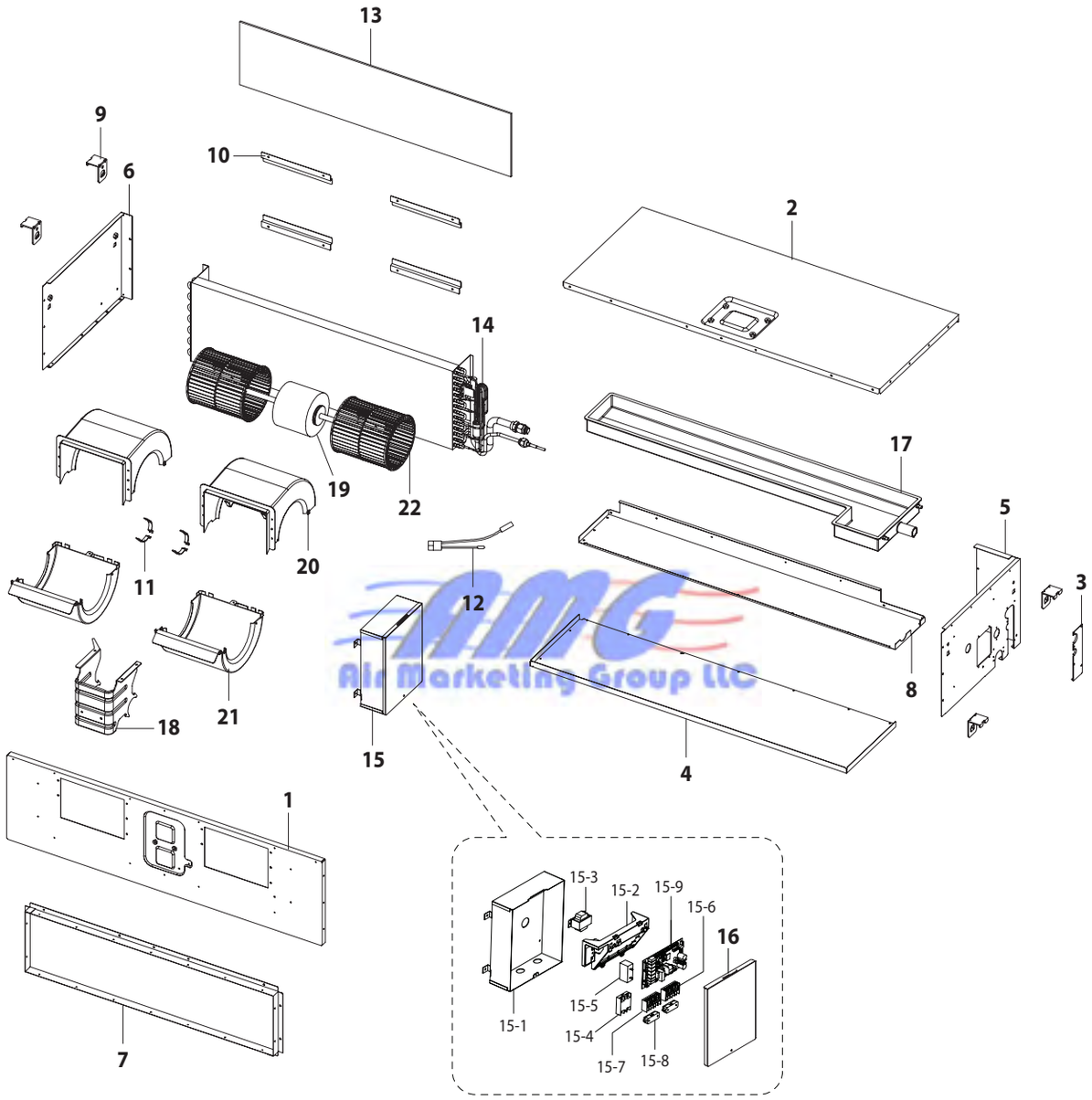
4-7 Main Part Inspection Method

<table>
<tr><th>Part</th><th colspan="2">Breakdown Inspection Method</th></tr>
<tr><td rowspan="3">Indoor Unit Temperature Sensor</td><td colspan="2">Measure sensor resistance with a multimeter</td></tr>
<tr><td>Normal</td><td>At the normal temperature 37kΩ~8.3kΩ(-7˚C~+30˚C)</td></tr>
<tr><td>Abnormal</td><td>∞,0Ω...Open or Short</td></tr>
<tr><td rowspan="3">Indoor Unit BLDC FAN Motor</td><td colspan="2">Measure terminal resistance with a multimeter</td></tr>
<tr><td>Normal</td><td>At the normal temperature(10˚C~30˚C)
<table>
<tr><th>wire</th><th>pin number</th><th>Resistance</th><th>Remark</th></tr>
<tr><td>RED - BLACK</td><td>1-3</td><td>over 1MΩ</td><td>+300V motor power</td></tr>
<tr><td>WHITE - BLACK</td><td>4-3</td><td>1KΩ ~ 2KΩ</td><td>+15V control power</td></tr>
<tr><td>YELLOW - BLACK</td><td>5-3</td><td>200KΩ ~ 300KΩ</td><td>control</td></tr>
<tr><td>BLUE - BLACK</td><td>6-3</td><td>10KΩ ~ 50KΩ</td><td>pulse</td></tr>
</table></td></tr>
<tr><td>Abnormal</td><td>∞,0Ω...Open or Short</td></tr>
<tr><td rowspan="3">Outdoor Unit
Outdoor Temperature Sensor
&
Cond Temperature Sensor</td><td colspan="2">Measure sensor resistance with a multimeter</td></tr>
<tr><td>Normal</td><td>At the normal temperature 37kΩ~8.3kΩ(-7˚C~+30˚C) see 12-2-6 and 12-2-8</td></tr>
<tr><td>Abnormal</td><td>∞,0Ω...Open or Short</td></tr>
<tr><td rowspan="3">Outdoor Unit
Discharge Temperature Sensor</td><td colspan="2">Measure sensor resistance with a multimeter</td></tr>
<tr><td>Normal</td><td>At the normal temperature 563kΩ~157kΩ(0˚C~+30˚C) see 12-2-7</td></tr>
<tr><td>Abnormal</td><td>∞,0Ω...Open or Short</td></tr>
<tr><td rowspan="3">Outdoor Unit BLDC FAN MOTOR</td><td colspan="2">Measure terminal resistance with a multimeter</td></tr>
<tr><td>Normal</td><td>At the normal temperature(10˚C~30˚C)
<table>
<tr><th>wire</th><th>pin number</th><th>Resistance</th><th>Remark</th></tr>
<tr><td>RED - BLACK</td><td>1-3</td><td>over 1MΩ</td><td>+300V motor power</td></tr>
<tr><td>WHITE - BLACK</td><td>4-3</td><td>1KΩ ~ 2KΩ</td><td>+15V control power</td></tr>
<tr><td>YELLOW - BLACK</td><td>5-3</td><td>200KΩ ~ 300KΩ</td><td>control</td></tr>
<tr><td>BLUE - BLACK</td><td>6-3</td><td>10KΩ ~ 50KΩ</td><td>pulse</td></tr>
<tr><td>ORANGE - BLACK</td><td>7-3</td><td>10KΩ ~ 50KΩ</td><td>reverse</td></tr>
</table></td></tr>
<tr><td>Abnormal</td><td>0Ω...Open or Short</td></tr>
<tr><td rowspan="3">Outdoor Unit 4way Valve Solenoid</td><td colspan="2">Measure resistance with a multimeter</td></tr>
<tr><td>Normal</td><td>At the normal temperature(10˚C~30˚C) 1.6KΩ±15%</td></tr>
<tr><td>Abnormal</td><td>∞,0Ω...Open or Short</td></tr>
</table>

5. Exploded Views and Parts List

5-1 Indoor Unit

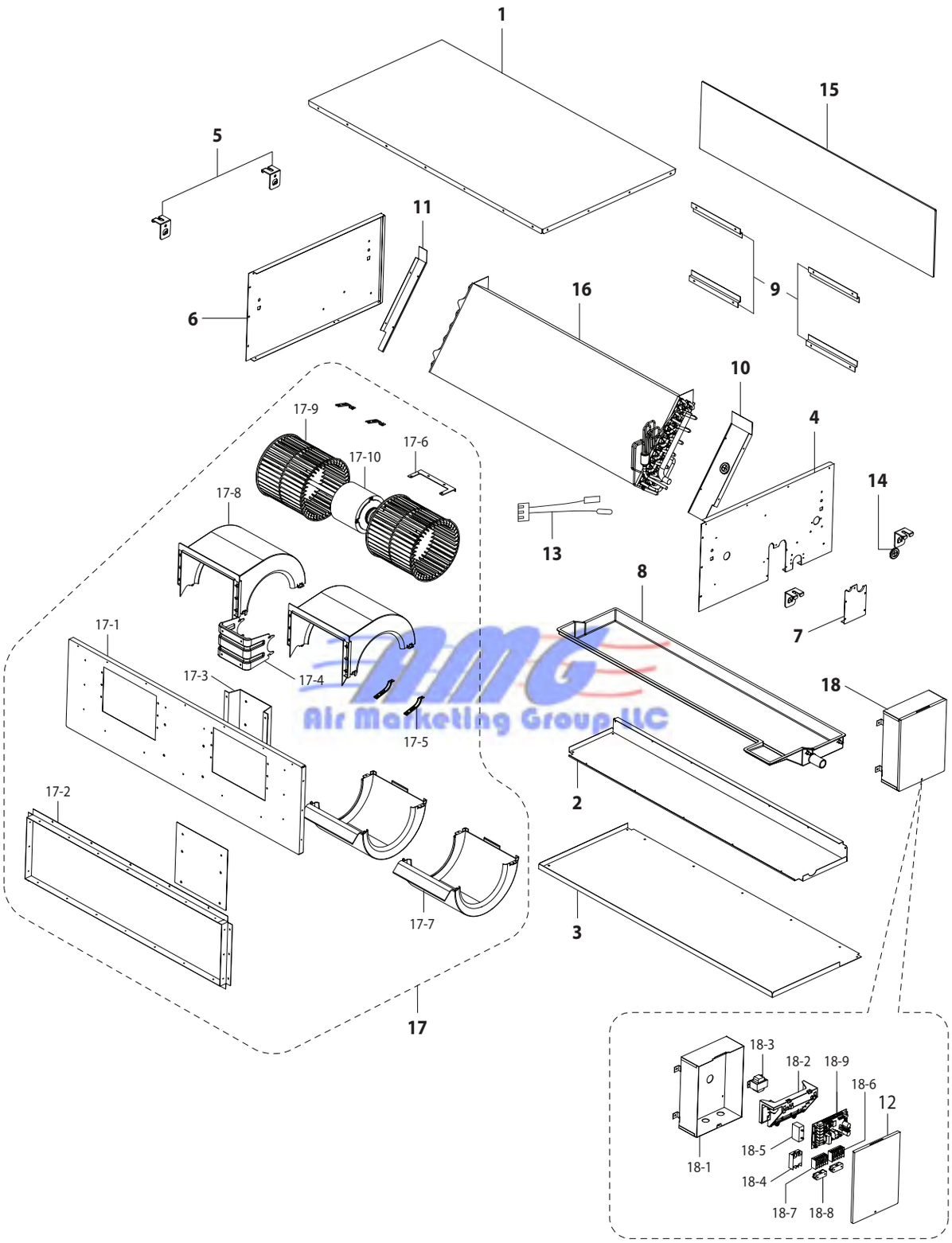
■ **DH105CAV**



■ Parts List

No.	Code No.	Description	Specification	Q'TY	SA/SNA
1	DB90-02402A	ASS'Y CABINET FRONT	ASS'Y	1	SA
2	DB90-02403A	ASS'Y CABINET-TOP	ASS'Y	1	SA
3	DB90-02404A	ASS'Y COVER-PIPE	ASS'Y	1	SA
4	DB90-02405A	ASS'Y CABINET-BOTTOM BLOWER	ASS'Y	1	SA
5	DB90-02406A	ASS'Y CABINET-SIDE RH	ASS'Y	1	SA
6	DB90-02407A	ASS'Y CABINET-SIDE LF	ASS'Y	1	SA
7	DB90-02408A	ASS'Y-BRACKET OUTLET PART	ASS'Y	1	SNA
8	DB90-02409A	ASS'Y CABINET-BOTTOM DRAIN	ASS'Y	1	SA
9	DB61-01282A	HOLDER-SIDE CABI	SGCC-M,T3.0,45.2,65	4	SNA
10	DB61-02374A	BRACKET-FILTER	SGCC-M,T1.0,50,250	4	SA
11	DB97-03751A	ASS'Y-BAND MOTOR	ASS'Y	1	SNA
12	DB32-00142B	THERMISTOR-IN	10Kohm,103AT,-20~+100	1	SA
13	DB63-01299B	FILTER-PRE	ASS'Y	1	SA
14	DB96-06727A	ASS'Y EVAP-UNIT	ASS'Y	1	SNA
15	DB93-05008C	ASS'Y CONTROL IN	ASS'Y	1	SNA
15-1	DB90-01992B	ASS'Y CASE-CONTROL	ASS'Y	1	SA
15-2	DB61-02287A	CASE PCB	ABS V0,T2.5	1	SA
15-3	DB26-00080A	TRANS POWER	AC 230V, 50HZ,DC 17V,DC 0.6A,VDE,ICE	1	SNA
15-4	3502-001035	SSR	DC 12V,-,10A,1ms	1	SNA
15-5	2301-001381	C-FILM,LEAD-OTHER	8000nF,+10-5%,450V,BK,58x30x44mm	1	SA
15-6	DB65-00105L	TERMINAL BLOCK	DAF-S6P	1	SA
15-7	DB65-00105M	TERMINAL BLOCK	DAF-S6P	1	SA
15-8	DB61-00250A	HOLDER-WIRE CLAMP	ABS,BLK,ISI,SAMLINE	2	SNA
15-9	DB93-03213S	ASS'Y PCB MAIN-IN	ASS'Y	1	SA
16	DB63-01296A	COVER-CONTROL	SGCC-M,T0.8	1	SA
17	DB91-00346A	ASS'Y DRAIN PAN	ASS'Y	1	SA
18	DB61-02331A	BRACKET MOTOR	SGCC-M,T2.0	1	SA
19	DB31-00355A	MOTOR FAN	YSK140-200-4A	1	SA
20	DB61-02332A	CASE BLOWER-UPPER	ABS,T2.0	2	SA
21	DB61-02333A	CASE BLOWER-BOTTOM	ABS,T2.0	2	SA
22	DB67-00583B	BLOWER-D	ABS	2	SA

■ **DH140CAV**

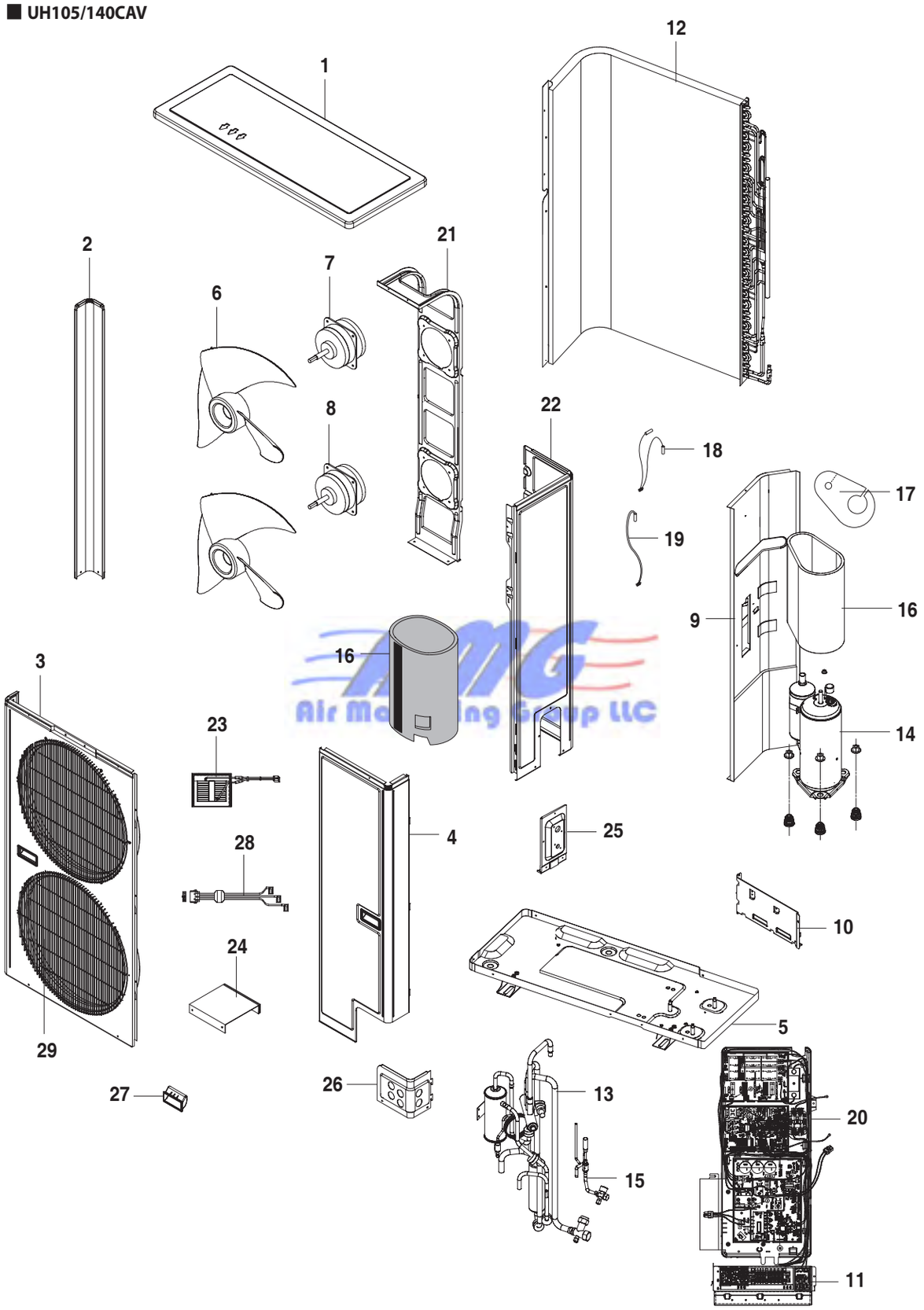


■ Parts List

No.	Code No.	Description	Specification	Q'TY	SA/SNA
1	DB90-02083A	ASS'Y CABINET TOP	ASS'Y,SGCC-M T1.0	-	**SA**
2	DB90-02007A	ASS'Y CABI BOTTOM DRAIN	ASS'Y,SGCC-M T1.0	1	**SA**
3	DB90-02008A	ASS'Y CABI BOTTOM BLOWER	ASS'Y,SGCC-M T1.0	1	**SA**
4	DB90-02009A	ASS'Y CABI SIDE RH	ASS'Y,SGCC-M T1.0	1	**SA**
5	DB61-01282A	HOLDER SIDE CABI	ASS'Y,SGCC-M T3.0	4	SNA
6	DB90-02010A	ASS'Y CABI SIDE LF	ASS'Y,SGCC-M T1.0	1	**SA**
7	DB90-02011A	ASS'Y COVER PIPE	ASS'Y,SGCC-M T1.0	1	**SA**
8	DB91-00317A	ASS'Y DRAIN PAN	ASS'Y,ABS/GF10 T3.0	1	**SA**
9	DB61-02374A	BRACKET FILTER	ASS'Y,SGCC-M T1.0	4	SNA
10	DB61-02380A	BRACKET EVAP RH	ASS'Y,SGCC-M T1.5	1	**SA**
11	DB61-02379A	BRACKET EVAP LF	ASS'Y,SGCC-M T1.5	1	**SA**
12	DB63-01296A	COVER CONTROL	ASS'Y,SGCC-M T0.8	1	**SA**
13	DB32-00142B	THERMISTOR-ASS'Y	103AT,103FW	1	**SA**
14	DB73-00270A	RUBBER COVER WIRE	NBR	2	SNA
15	DB63-01299A	FILTER PRE	ASS'Y	1	**SA**
16	DB96-06728A	ASS'Y EVAP UNIT	3R16C WAVE 1.5,OD7.0	1	**SA**
17	-	-	-	-	-
17-1	DB90-02028A	ASS'Y CABI FRONT	ASS'Y,SGCC-M T1.5	1	SNA
17-2	DB90-02013A	ASS'Y BRACKET OUTLET PART	ASS'Y,SGCC-M T1.0	1	**SA**
17-3	DB61-02372A	BASE MOTOR	ASS'Y,SGCC-M T2.5	1	SNA
17-4	DB61-02375A	BRACKET MOTOR	ASS'Y,SGCC-M T2.5	1	SNA
17-5	DB72-00710A	BAND MOTOR	ASS'Y,SGCC-M T1.6	4	**SA**
17-6	DB61-00540B	BRACKET MOTOR GUIDE	ASS'Y,SGCC-M T1.6	1	SNA
17-7	DB61-02382A	CASE FAN LOW	ASS'Y,ABS/GF10 T3.0	2	**SA**
17-8	DB61-02381A	CASE FAN UP	ASS'Y,ABS/GF10 T3.0	2	**SA**
17-9	DB67-00594A	BLOWER	ASS'Y,ABS/GF10 OD230	2	**SA**
17-10	DB31-00321C	MOTOR FAN	YDK-370S65023-01	1	**SA**
18	DB93-05008C	ASS'Y CONTROL IN	ASS'Y	1	**SA**
18-1	DB90-01992B	ASS'Y CASE CONTROL	ASS'Y,SGCC-M T1.0	1	SNA
18-2	DB61-02287A	CASE PCB	ABS V0	1	**SA**
18-3	DB26-00080A	TRANS POWER	DC17V	1	SNA
18-4	3502-001035	SSR	OMRON G3NA-210BPL	1	SNA
18-5	2301-001381	C-FILM,LEAD-OTHER	8uF 450VAC	1	**SA**
18-6	DB65-00105M	TERMINAL BLOCK 6P	250V,20A	1	SNA
18-7	DB65-00105L	TERMINAL BLOCK 6P	250V,20A	1	SNA
18-8	DB61-00250A	HOLDER-WIRE CLAMP	NYLON	2	SNA
18-9	DB93-03213S	ASS'Y PCB MAIN	ASS'Y	1	**SA**

5-2 Outdoor Unit

■ **UH105/140CAV**

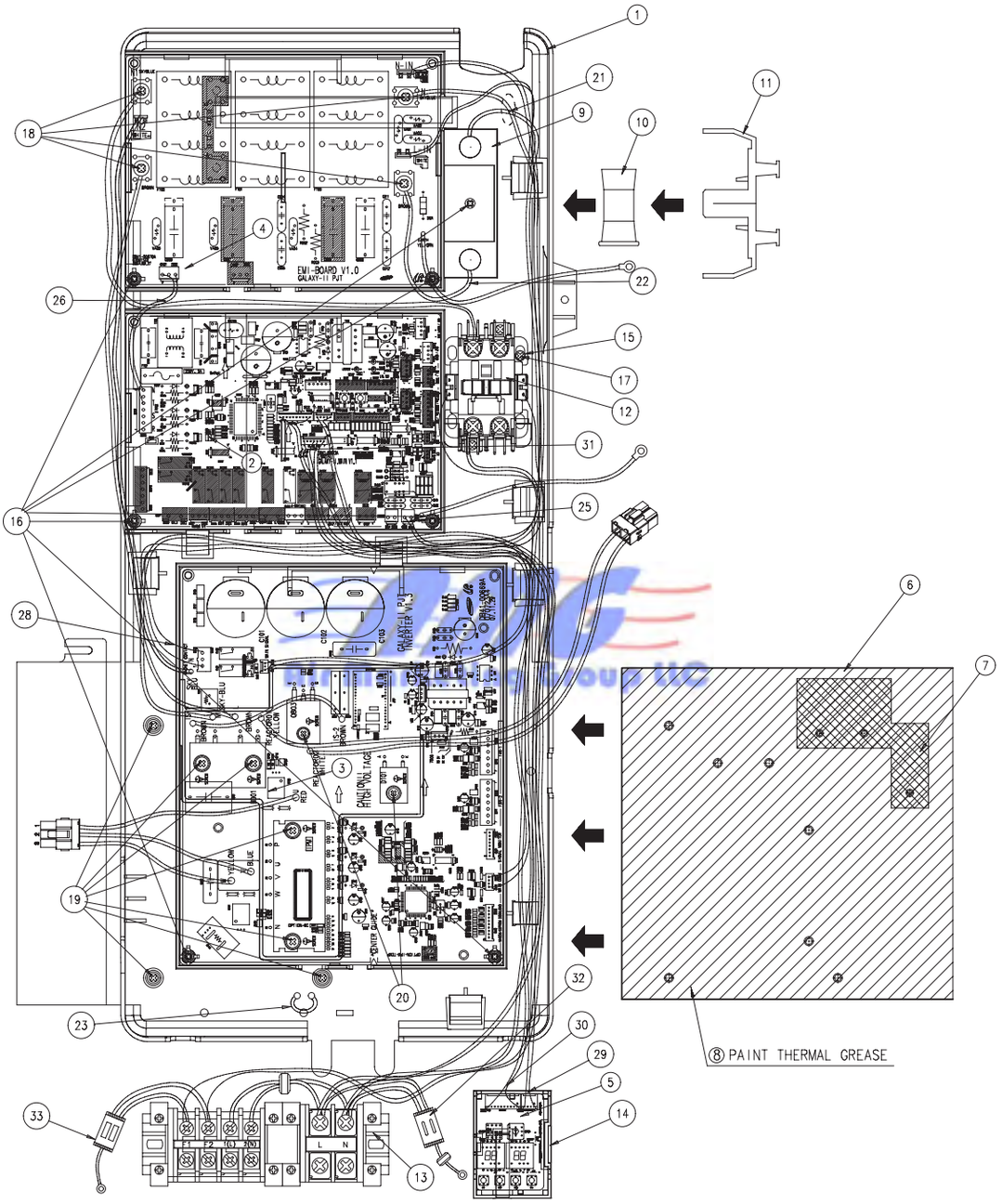


■ Parts List

No.	Code No.	Description	SPEC	Q'TY		SA/SNA
				UH105CAV	UH140CAV	
1	DB90-01533B	ASS'Y-CABI TOP COVER	SECC-P,0.8T	1	1	SA
2	DB90-01588A	ASS'Y CABI BACK LF	SECC-P,1.2T	1	1	SA
3	DB90-01535B	ASS'Y-CABI FRONT LF	SECC-P,0.8T	1	1	SA
4	DB90-01534C	ASS'Y CABI FRONT RH	SECC-P,0.8T	1	1	SA
5	DB99-00538E	ASS'Y-CABI BASE PART	SGCC-M,T1.6	1	1	SNA
6	DB67-00438B	FAN-PROPELLER	ABS+GF10%	2	2	SNA
7	DB31-00386H	MOTOR FAN	DL-95835SSOA	1	1	SNA
8	DB31-00386J	MOTOR FAN	DL-95835SSOB	1	1	SNA
9	DB90-03986A	ASS'Y-PRATITION	SGCC-M,T0.8	1	1	SA
10	DB61-03566A	PLATE-CONTROL UP	SGCC-M,T1.0	1	1	SA
11	DB93-06548B	ASS'Y-PLATE CONTROL LOW	SGCC-M,T1.0	1	1	SA
12	DB96-09606A	ASS'Y COND UNIT	2x52,SLIT,SLICA,FP1.5	-	1	SNA
	DB96-09416A	ASS'Y COND UNIT	2x52,SLIT,FP1.5	1	-	SNA
13	DB96-09433A	ASS'Y-4WAY VALVE	HP,3/8,3/4,G5T450FUAEX	-	1	SNA
	DB96-09402A	ASS'Y-4WAY VALVE	HP,3/8,5/8,G5T360FUAEK	1	-	SNA
14	G5T450FUAEX	COMPRESSOR	G5T450FUAEX	-	1	SNA
	G5T360FUAEK	COMPRESSOR	G5T360FUAEK	1	-	SNA
15	DB96-09431A	ASS'Y-EEV VALVE	ASSY	-	1	SA
	DB96-09431B	ASS'Y-EEV VALVE	ASSY	1	-	SA
16	DB63-02008A	FELT-COMP SOUND	GRAY FELT+EVAR	1	1	SA
17	DB63-02007A	FELT-TOP COVER	GRAY FELT+EVAR	1	1	SA
18	DB95-01419A	ASS'Y THEMISTOR-OLP/COND	ASSY	1	1	SA
19	DB95-01420A	ASS'Y THEMISTOR-AIR/DISCHARGE	ASSY	1	1	SA
20	DB93-05841A	ASS'Y CONTROL OUT	UH140CAV	-	1	SA
	DB93-05841B	ASS'Y CONTROL OUT	UH105CAV	1	-	SA
21	DB94-01767A	ASS'Y BRACKET MOTOR	SGCC-M,T1.6	1	1	SNA
22	DB90-01637C	ASS'Y CABI BACK RH	SECC-P,0.8T	1	1	SA
23	DB27-00055A	COIL CHOKE-REACTOR	RIXBHF040B1,4.4mH,10%	1	1	SA
24	DB90-02583A	ASS'Y-MOTOR BRACKET SUB	SGCC-M,T1.2	-	1	SNA
	DB90-02583B	ASS'Y-MOTOR BRACKET SUB	SGCC-M,T1.2	1	-	SNA
25	DB97-02613A	ASS'Y BRACKET-VAVLE	SGCC-M,T1.6	-	1	SNA
	DB90-02434A	ASS'Y BRACKET-VAVLE	SGCC-M,T1.6	1	-	SNA
26	DB61-01910B	BRACKET-WIRE	SECC-P,1.0T	1	1	SA
27	DB64-01231A	HANDLE	ABS,V0	3	3	SA
28	DB93-05954A	ASS'Y CONNECTOR WIRE-COMP	ASSY	1	1	SA
29	DB63-00691A	GUARD FAN	MSWR	2	2	SA

5-3 Assy control out

■ **UH105/140CAV**



■ Parts List

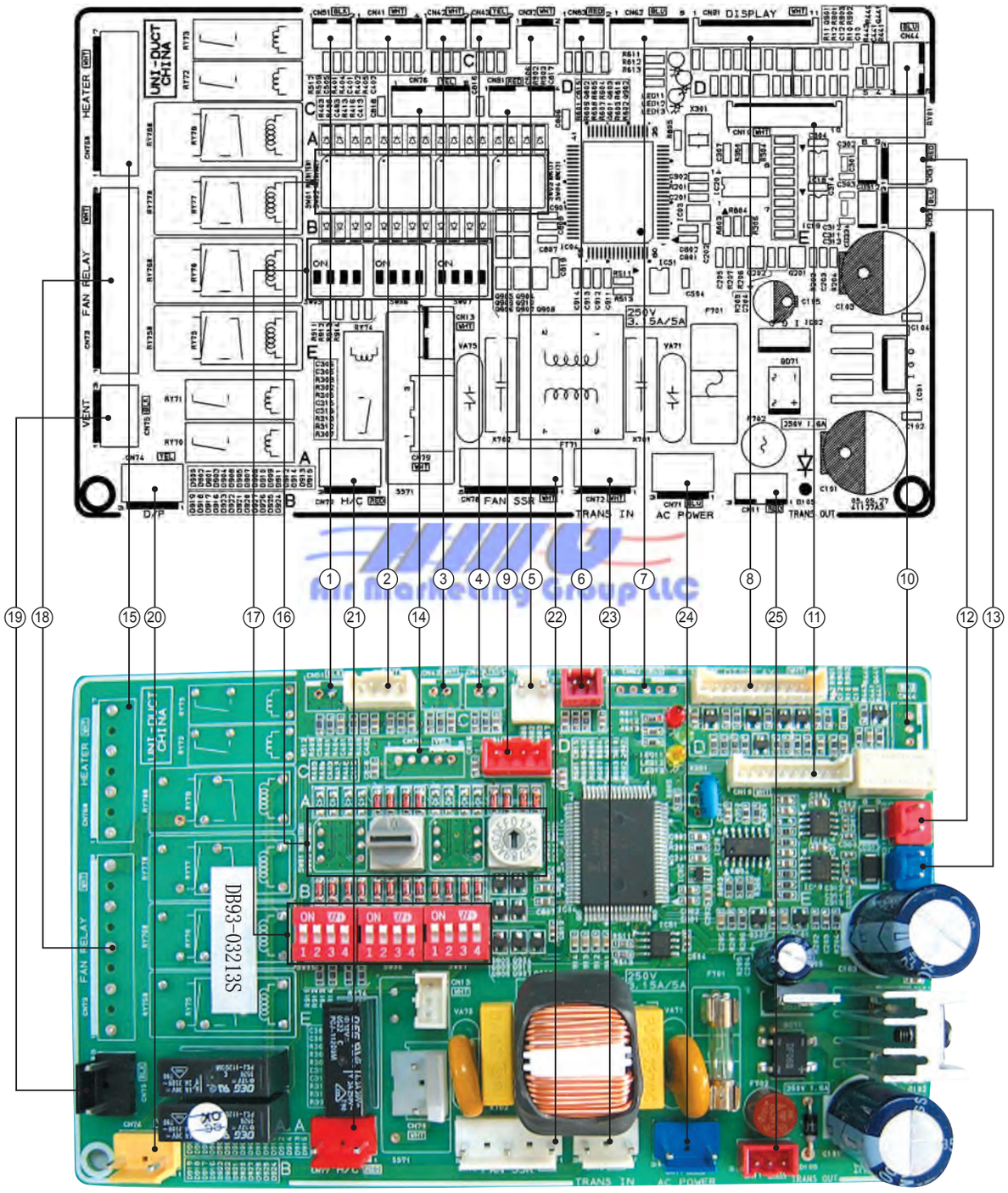
No.	Code No.	Description	SPEC	QTY		SA/SNA
				UH140CAV	UH105CAV	
1	DB61-03568A	CASE CONTROL-OUT	ABS,2.5,328,611.6,BLACK	1	1	SA
2	DB93-05842A	ASSY PCB MAIN-OUT	GALAXY2	1	1	SA
3	DB93-05843A	ASSY PCB MAIN-INVERTER	UH140EAV	1	-	SA
	DB93-05843B	ASSY PCB MAIN-INVERTER	UH105EAV	-	1	SA
4	DB93-05844A	ASSY PCB SUB-EMI	GALAXY2	1	1	SA
5	DB93-05955A	ASSY PCB SUB-DISPLAY	GALAXY2	1	1	SA
6	DB62-05407A	HEAT SINK	AL6063	1	1	SA
7	DB62-05533A	INSULATION	MICA	1	1	SNA
8	DB98-24813A	ASSY-THERMAL GREASE		5g	5g	SA
9	3602-001043	FUSE-BLOCK	L60060C-1C	1	1	SA
10	3601-001445	FUSE-CARTRIDGE	CCMR040	1	1	SA
11	3602-001044	FUSE-BLOCK COVER	L60060C-1C	1	1	SA
12	DB35-00061A	RELAY		1	1	SA
13	DB95-01315G	ASSY-TERMINAL BLOCK	600V,35A,4P+600V,60A,2P	1	1	SA
14	DB61-01948A	CASE-SUB PCB	ABS,V0	1	1	SA
15	DB60-00321A	FASTENER-NUT	CU	1	1	SA
16	6002-000536	SCREW-TAPPING	PH,2S,M4,L10	7	7	SNA
17	6001-001683	SCREW-HEX	HWH,M4,L10,SWRCH18A	1	1	SNA
19	DB91-00307A	ASSY-SCREW MACHINE	M4*16,WSP,PH,ZPC	7	7	SA
20	DB91-00306A	ASSY-SCREW MACHINE	M3*16,WSP,PH,ZPC	2	2	SA
21	DB93-06326A	ASSY CONNECTOR WIRE-FUSE	UH140EAV,SSEC	1	1	SA
22	DB93-06327A	ASSY CONNECTOR WIRE-FUSE	UH140EAV,SSEC	1	1	SA
23	DB71-50031B	HOLDER WIRE	NYLON6/6	1	1	SA
25	DB93-06331A	ASSY CONNECTOR WIRE-COMM	UH140EAV,SSEC	1	1	SA
26	DB93-06332A	ASSY CONNECTOR WIRE-POWER	UH140EAV,SSEC	1	1	SA
28	DB93-06336A	ASSY CONNECTOR WIRE-POWER	UH140EAV,SSEC	1	1	SA
29	DB93-06324A	ASSY CONNECTOR WIRE-DISPLAY	UH140EAV,SSEC	1	1	SA
30	DB93-06325A	ASSY CONNECTOR WIRE-DISPLAY	UH140EAV,SSEC	1	1	SA
31	DB93-06337A	ASSY CONNECTOR WIRE-MAIN INVERTER	7P	1	1	SA
32	DB95-01040H	ASSY-NOISE ABSORBER	UH140EAV,SSEC	1	1	SA
33	DB93-01469S	ASSY PCB SUB	220nF*2	1	1	SA

MEMO

6. PCB Diagram and Parts List

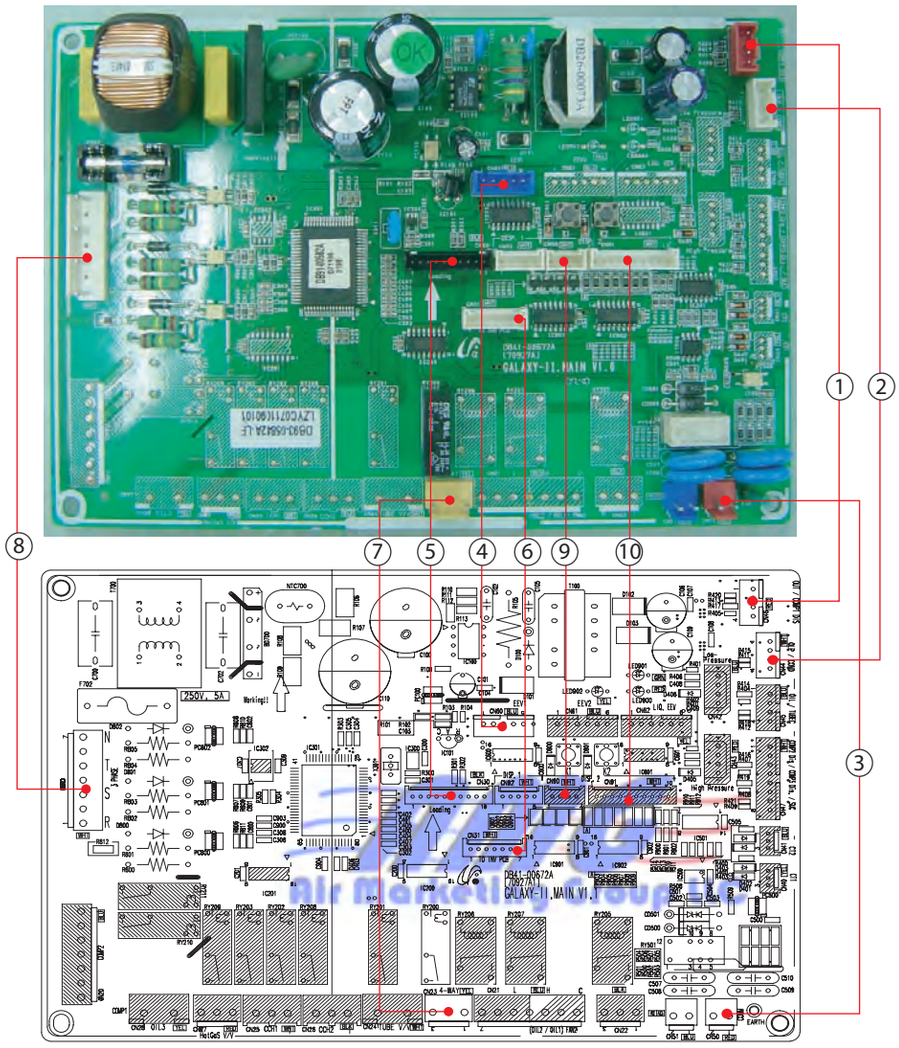
6-1. Block Diagram

■ 6-1-1 INDOOR MAIN PCB



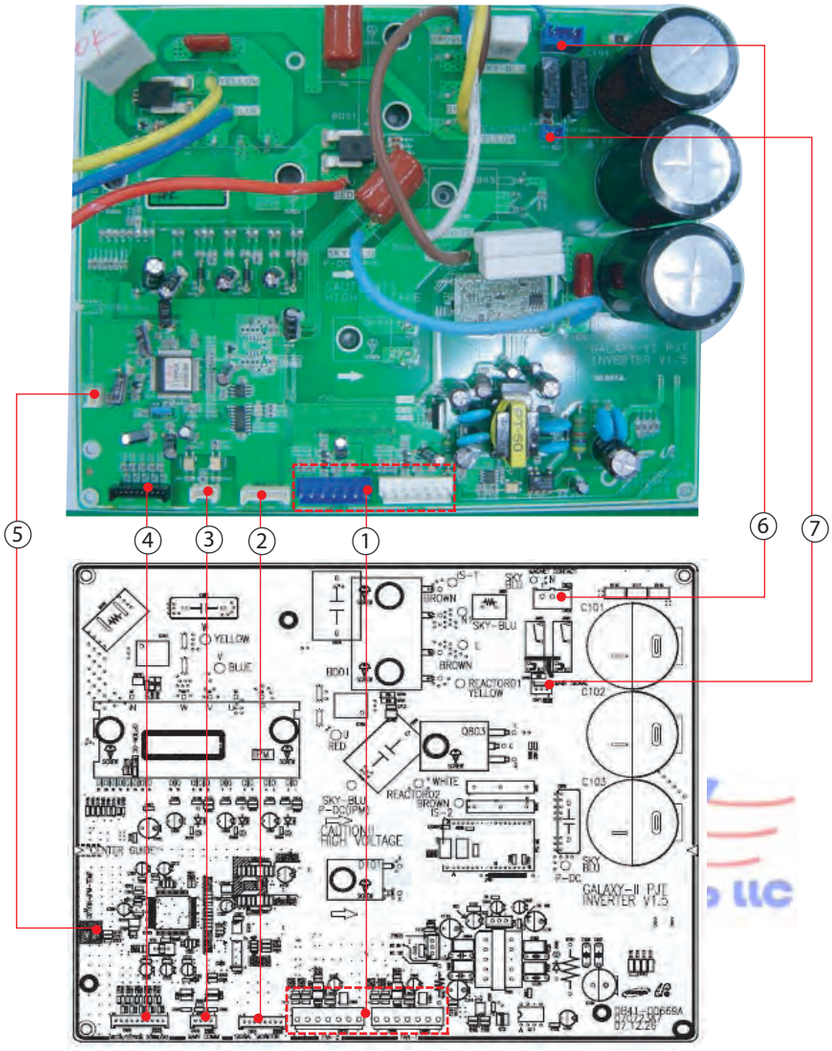
①	Floating S/W : SMW250-02(BLK)	⑬	Wired Remote Controller Communication : YW396-02(BLU)
②	Indoor Pipe In Temperature Sensor : SMW250-04(WHT)	⑭	Option Load Connector : SMW250-05(YEL)
	Indoor Room Temperature Sensor : SMW250-04(WHT)	⑮	Heater : YW39607AV(WHT)
③	Indoor Pipe Out : SMW250-02(WHT)	⑯	Indoor Address S/W
	Temperature Sensor : SMW250-02(WHT)	⑰	Indoor Option S/W
④	Heater Discharge : SMW250-02(YEL)	⑱	Indoor Fan(TAP) : YW396-09AV(WHT)
	Temperature Sensor : SMW250-02(YEL)	⑲	Ventilator : YW396-03AV(BLK)
⑤	Wired Remote Controller Power : YW396-02(WHT)	⑳	Drain Pump : YW396-03AV(YEL)
⑥	External Control(S/W Part) : SMW250-02(RED)	㉑	Hot Coil : YW396-03AV(RED)
⑦	EEV : SMW250-05(BLU) : SMW250-05(BLU)	㉒	Indoor Fan(SSR) : YW396-03AV(RED)
⑧	Display : SMW200-11(WHT) : SMW200-11(WHT)	㉓	Power : YW396-03AV(WHT)
⑨	External Control(Display Part) : SMW250-04(RED)		Transformer Out : YW396-03AV(WHT)
⑩	HALL IC : SMW250-03(BLU)	㉔	Main Power In : YW396-03AV(BLU)
⑪	MICOM Download : SMW200-10(WHT)	㉕	Power : YW396-03AV(BLU)
⑫	Indoor/Outdoor Communication : YW396-02(RED)		Transformer In : SMW250-03(RED)

■ 6-1-2 OUTDOOR MAIN PCB(UH105/140CAV)



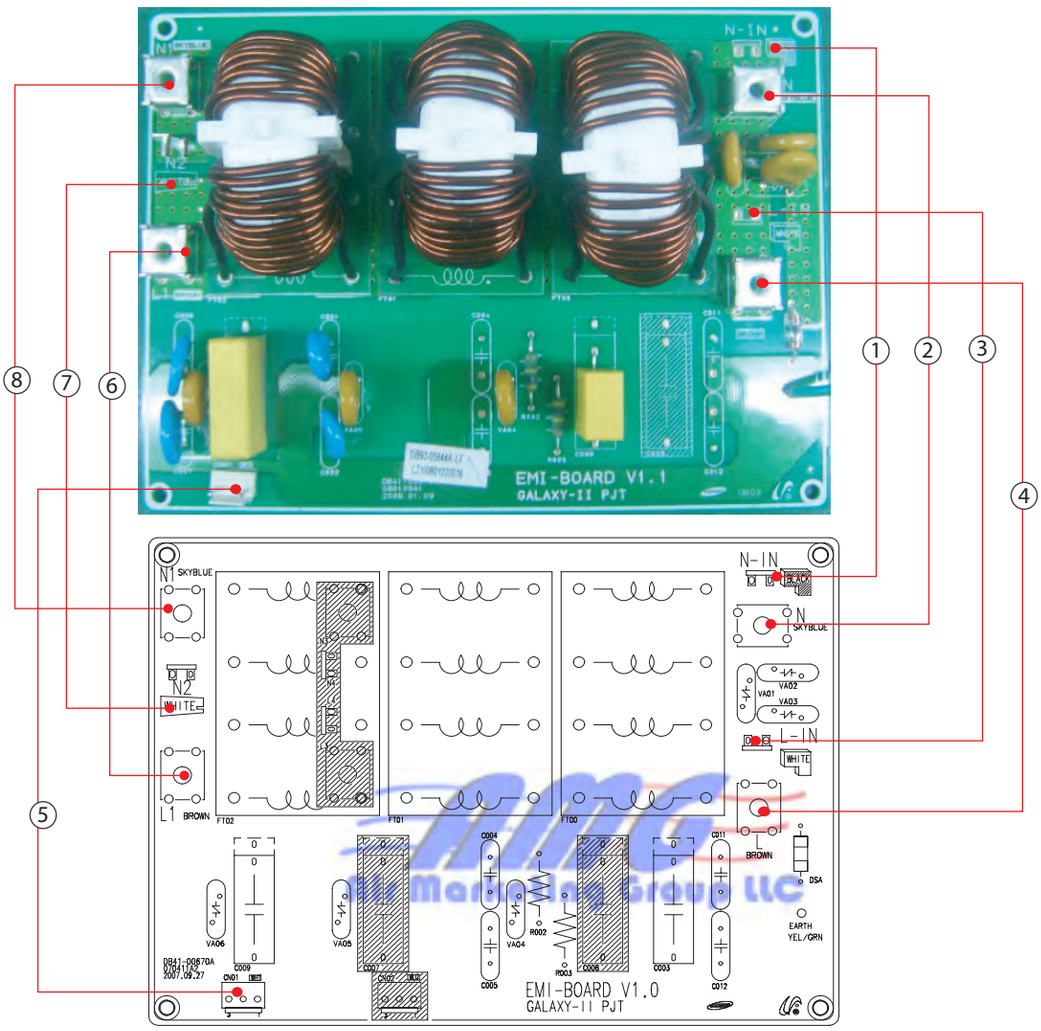
①CN46(4PIN/RED):THERMISTER #1: TXD_OUTDOOR TEMP.Sensing #3:TXD_DISCHARGE TEMP.Sensing #2,4:GND	②CN44(4PIN/WHT):THERMISTOR #1,2:Not used #3:TXD_COND. TEMP.Sensing #4:GND	③CN50(2PIN/RED): COMMUNICATION #1,2:TXD/RXD_COMM	④CN60(5PIN/BLU):EEV #1~4:RXD_EEV Operating Signal #5:12V
⑤CN30(10PIN/BLK): DOWNLOADING	⑥CN31(7PIN/WHT):INVERTER PBA #1:TDX_MAIN #2:RXD_MAIN #3:GND #4:VCC #5:12V #6:INV_SMPS_RELAY #7:Not used	⑦CN23(3PIN/YEL):4WAY #1:N phase #2:Not used #3:TXD_4WAY Operating Signal	⑧CN80(4PIN/WHT):POWER IN #1,3:Not used #5:L Phase #7:N phase
⑨CN90(4PIN/WHT):DISPLAY #1~4:RXD_Operating Signal of MAIN PCB	⑩CN91(10PIN/WHT):DISPLAY #1~7:7-SEGMENT #8~10:TXD_KEY INPUT SIGNAL		

■ 6-1-3 OUTDOOR INVERTER PCB(UH105/140CAV)



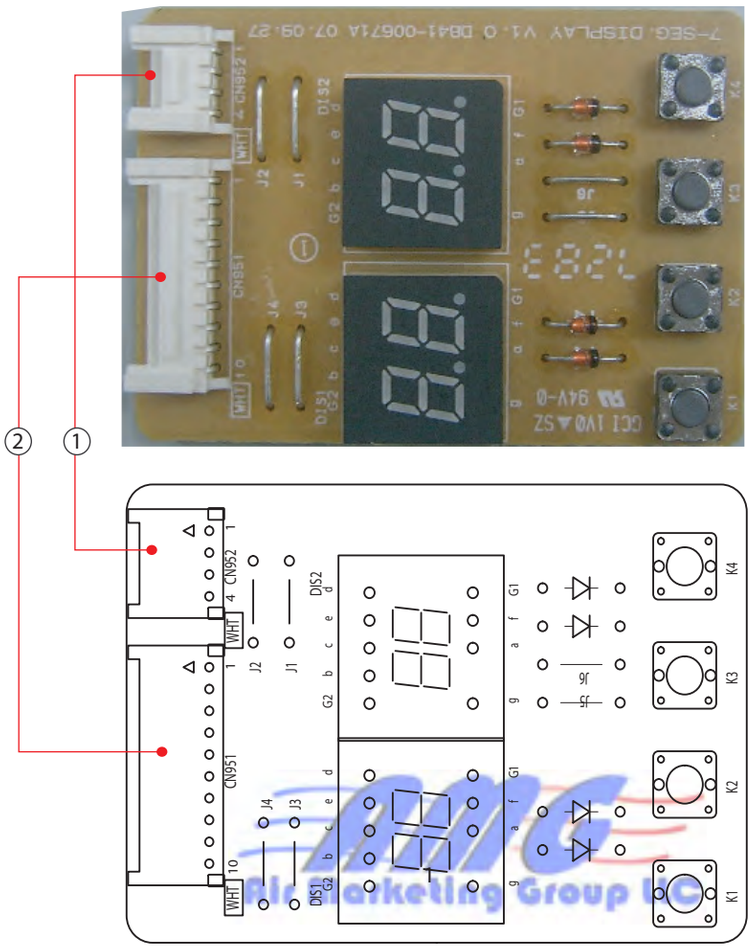
①CN40,CN41(7PIN/WHT):BLDC FAN MOTOR #1: DC LINK VOLATAGE #2:Not used #3:GND,#4:15V #5:FAN RPM Sensing #6:Fan FG #7:Fan Backlash Sensing	②CN31(8PIN/WHT):SIGNAL MOUNTOR #1:16V #2:5V #3: LOADDACCS #4:CS_DAC1 #5:CS_DAC2 #6CLK_DAC #7:DATA_DAC #8:GND	③CN70(4PIN/WHT): #1:TXD:MAIN #2:RXD_MAIN #3:GND #4:5V	④CN30(10PIN/WHT) :DOWNLOADING
⑤CN72(2PIN/WHT):IPM TEMP #1:TXD_IPM TEMP SIGNAL #2: GND	⑥CN22(2PIN/WHT) #1:L phase IN #2:N phase in	⑦ CN71(3PIN/BLU) #1:12V #2:INV_SMPS_RELAY #3: Not used	

■ 6-1-4 OUTDOOR EMI PCB(UH105/140CAV)



①N-IN(BLK) INDOOR UNIT POWER(N phase)	②N(SKYBLU) POWER(N phase)	③L-IN(WHT) INDOOR UNIT POWER(L phase)	④L(BRN) POWER(L phase)
⑤CN01(3PIN/WHT) #1: N phase POWER of MAIN PBA #2:Not used #3:L phase POWER of MAIN PBA	⑥L1(BRN) L phase POWER of INVERTER PBA	⑦ N2(TAB/WHT) N phase POWER of INVERTER PBA	⑧N1(SKYBLU) N phase POWER TO M/C

■ 6-1-5 OUTDOOR DISPLAY PCB



①#1~4 RXD-Operating signal of main PCB	②#1~7: 7-segment #8~10:TXD-KEY INPUT SIGNAL

6-2. PCB Parts List

■ INDOOR MAIN PCB(DH105/140CAV:DB93-03213S)

Location No.	Code No.	Description	Specification	Q'TY	SA/SNA	Remark
D904	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D905	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D906	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D907	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D912	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D913	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D914	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D915	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D916	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D917	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D918	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D919	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D920	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D921	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D922	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D923	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D924	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D925	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D926	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D927	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D105	0402-000137	DIODE-RECTIFIER	1N4007,1KV,1A,DO-41,TP	1	SNA	
BD71	0402-001298	DIODE-BRIDGE	DF06S,600V,1A,SMD-4,TP	1	SNA	
CD312	0406-001204	DIODE-TVS	SMBJ5.0CA,6.4/-/7.07V,600W,SMB	1	SNA	
CD334	0406-001204	DIODE-TVS	SMBJ5.0CA,6.4/-/7.07V,600W,SMB	1	SNA	
Q201	0501-000534	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SOT-23,TP,180-390	1	SNA	
Q202	0501-000534	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SOT-23,TP,180-390	1	SNA	
Q441	0501-000534	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SOT-23,TP,180-390	1	SNA	
Q601	0501-000534	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SOT-23,TP,180-390	1	SNA	
Q602	0501-000534	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SOT-23,TP,180-390	1	SNA	
Q603	0501-002296	TR-SMALL SIGNAL	MMST2907A,PNP,200MW,SMT3,TP,100-300	1	SNA	
Q901	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q902	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q904	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q905	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q906	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q907	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q908	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q909	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q910	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
IC05	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
IC06	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
IC07	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
IC08	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
IC09	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
LED11	0601-001373	LED	ROUND,RED,3MM`,630NM	1	SNA	
LED12	0601-001375	LED	ROUND,GRN,3mm,570nm,3.8x5.3mm	1	SNA	
LED13	0601-001377	LED	ROUND,YEL,3mm,585nm,3.8x5.3mm	1	SNA	
IC20	0801-000393	IC-CMOS LOGIC	74HC86,OR GATE,SOP	1	SNA	
IC18	1006-001371	IC-LINE TRANSCEIVER	ISL3175EIBZ,SOIC,8P	1	SNA	
IC19	1006-001371	IC-LINE TRANSCEIVER	ISL3175EIBZ,SOIC,8P	1	SNA	
IC51	1103-001175	IC-EEPROM	93LC56,128x16,SOP,8P	1	SNA	
IC01	1203-000243	IC-POSI.FIXED REG.	7812,TO-220,3P,-,PLASTIC	1	SNA	
IC02	1203-000274	IC-POSI.FIXED REG.	7805,TO-220,3P,-,PLASTIC,4.8/5	1	SNA	
IC03	1203-003334	IC-RESET	S-801,SOT-23,5P,2.9x1.6mm	1	SNA	
VA71	1405-000154	VARISTOR	460Vdc,2500A,17.5x7.5mm,TP	1	SNA	

■ INDOOR MAIN PCB(DH105/140CAV:DB93-03213S cont.)

Location No.	Code No.	Description	Specification	Q'TY	SA/SNA	Remark
VA75	1405-000154	VARISTOR	460Vdc,2500A,17.5x7.5mm,TP	1	SNA	
R10	2007-000023	R-CHIP	120ohm,5%,1/8W,TP,2012	1	SNA	
R11	2007-000023	R-CHIP	120ohm,5%,1/8W,TP,2012	1	SNA	
R12	2007-000023	R-CHIP	120ohm,5%,1/8W,TP,2012	1	SNA	
R204	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R302	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R304	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R305	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R306	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R307	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R312	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R313	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R503	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R512	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R602	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R608	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R609	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R803	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R804	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R903	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R911	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R912	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R913	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R914	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R201	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R205	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R206	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R207	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R350	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R441	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R443	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R601	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R603	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R607	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R902	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R805	2007-000477	R-CHIP	1Mohm,5%,1/8W,TP,2012	1	SNA	
R413	2007-000613	R-CHIP	24Kohm,1%,1/8W,TP,2012	1	SNA	
R202	2007-000686	R-CHIP	3.3Kohm,5%,1/8W,TP,2012	1	SNA	
R610	2007-000686	R-CHIP	3.3Kohm,5%,1/8W,TP,2012	1	SNA	
R404	2007-000766	R-CHIP	330ohm,5%,1/8W,TP,2012	1	SNA	
R405	2007-000766	R-CHIP	330ohm,5%,1/8W,TP,2012	1	SNA	
R406	2007-000766	R-CHIP	330ohm,5%,1/8W,TP,2012	1	SNA	
R416	2007-000766	R-CHIP	330ohm,5%,1/8W,TP,2012	1	SNA	
R502	2007-000766	R-CHIP	330ohm,5%,1/8W,TP,2012	1	SNA	
R509	2007-000766	R-CHIP	330ohm,5%,1/8W,TP,2012	1	SNA	
R901	2007-000766	R-CHIP	330ohm,5%,1/8W,TP,2012	1	SNA	
R611	2007-000872	R-CHIP	4.7Kohm,5%,1/8W,TP,2012	1	SNA	
R612	2007-000872	R-CHIP	4.7Kohm,5%,1/8W,TP,2012	1	SNA	
R613	2007-000872	R-CHIP	4.7Kohm,5%,1/8W,TP,2012	1	SNA	
R604	2007-000931	R-CHIP	470ohm,5%,1/8W,TP,2012	1	SNA	
R605	2007-000931	R-CHIP	470ohm,5%,1/8W,TP,2012	1	SNA	
R511	2007-000938	R-CHIP	47Kohm,1%,1/8W,TP,2012	1	SNA	
R513	2007-000938	R-CHIP	47Kohm,1%,1/8W,TP,2012	1	SNA	
R401	2007-001067	R-CHIP	6.8Kohm,1%,1/8W,TP,2012	1	SNA	
R402	2007-001067	R-CHIP	6.8Kohm,1%,1/8W,TP,2012	1	SNA	
R403	2007-001067	R-CHIP	6.8Kohm,1%,1/8W,TP,2012	1	SNA	
R440	2007-001071	R-CHIP	6.8Kohm,5%,1/8W,TP,2012	1	SNA	
C302	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	SNA	

■ INDOOR MAIN PCB(DH105/140CAV:DB93-03213S cont.)

Location No.	Code No.	Description	Specification	Q'TY	SA/SNA	Remark
C303	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	SNA	
C312	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	SNA	
C313	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	SNA	
C10	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C102	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C104	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C12	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C201	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C202	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C203	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C304	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C305	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C306	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C307	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C314	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C315	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C316	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C401	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C402	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C403	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C413	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C504	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C505	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C506	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C801	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C802	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C806	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C807	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C808	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C815	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C816	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C817	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C818	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C819	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C902	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C301	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	1	SNA	
C311	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	1	SNA	
C901	2203-000444	C-CER,CHIP	1nF,10%,50V,X7R,2012	1	SNA	
C204	2203-001562	C-CER,CHIP	10nF,+80-20%,50V,Y5V,2012	1	SNA	
C205	2203-001562	C-CER,CHIP	10nF,+80-20%,50V,Y5V,2012	1	SNA	
C441	2203-001562	C-CER,CHIP	10nF,+80-20%,50V,Y5V,2012	1	SNA	
C911	2203-001562	C-CER,CHIP	10nF,+80-20%,50V,Y5V,2012	1	SNA	
C912	2203-001562	C-CER,CHIP	10nF,+80-20%,50V,Y5V,2012	1	SNA	
C913	2203-001562	C-CER,CHIP	10nF,+80-20%,50V,Y5V,2012	1	SNA	
C914	2203-001562	C-CER,CHIP	10nF,+80-20%,50V,Y5V,2012	1	SNA	
X701	2301-001220	C-FILM,LEAD-PPF	100nF,10%,275V,BK,18x6x12,15	1	SNA	
X702	2301-001220	C-FILM,LEAD-PPF	100nF,10%,275V,BK,18x6x12,15	1	SNA	
C105	2401-000037	C-AL	470uF,20%,16V,GP,TP,8x11.5,5	1	SNA	
C103	2401-000711	C-AL	2200uF,20%,25V,GP,TP,16x25,7.5	1	SNA	
C101	2401-002216	C-AL	2200uF,20%,35V,GP,TP,16x25,7.5	1	SNA	
X301	2802-001179	RESONATOR-CERAMIC	4MHZ,0.5%,BK,8X3X5.5MM	1	SNA	
SW02	3406-001098	SWITCH-ROTARY	240V AC,25A,6P(10C),L14mm	1	SNA	
SW05	3407-000121	SWITCH-DIP	24V,300mA,SLIDE,STANDARD	1	SNA	
SW06	3407-000121	SWITCH-DIP	24V,300mA,SLIDE,STANDARD	1	SNA	
SW07	3407-000121	SWITCH-DIP	24V,300mA,SLIDE,STANDARD	1	SNA	
RY70	3501-001154	RELAY-MINIATURE	12Vdc,200mW,3000mA,1FormA,10mS,10mS	1	SNA	
RY71	3501-001154	RELAY-MINIATURE	12Vdc,200mW,3000mA,1FormA,10mS,10mS	1	SNA	

INDOOR MAIN PCB(DH105/140CAV:DB93-03213S cont.)

Location No.	Code No.	Description	Specification	Q'TY	SA/SNA	Remark
RY74	3501-001154	RELAY-MINIATURE	12Vdc,200mW,3000mA,1FormA,10mS,10mS	1	SNA	
RY01	3501-001248	RELAY-MINIATURE	12V,-,11.7MA,DPDT,4MS,4MS	1	SNA	
F701	3601-000297	FUSE-CARTRIDGE	250V,5A,TIME-LAG,GLASS,5.2x20mm	1	SNA	
F702	3601-001308	FUSE	250V,1.6A,TIME-LAG,PLASTIC,8.4x7.6mm	1	SNA	
CN13	3711-000024	HEADER-BOARD TO CABLE	BOX,3P,1R,2.5MM,STRAIGHT,SN,WHT	1	SNA	
CN33	3711-000176	HEADER-BOARD TO CABLE	1WALL,2P,1R,3.96mm,STRAIGHT,SN,BLU	1	SNA	
CN31	3711-000177	HEADER-BOARD TO CABLE	1WALL,2P,1R,3.96MM,STRAIGHT,SN,RED	1	SNA	
CN32	3711-000178	HEADER-BOARD TO CABLE	1WALL,2P,1R,3.96mm,STRAIGHT,SN,WHT	1	SNA	
CN72	3711-000203	HEADER-BOARD TO CABLE	1WALL,2P/3P,1R,7.92mm,STRAIGHT,SN,WHT	1	SNA	
CN78	3711-000262	HEADER-BOARD TO CABLE	1WALL,3P,1R,7.92MM,STRAIGHT,SN,WHT	1	SNA	
CN51	3711-000794	HEADER-BOARD TO CABLE	BOX,2P,1R,2.5mm,STRAIGHT,SN,BLK	1	SNA	
CN83	3711-000796	HEADER-BOARD TO CABLE	BOX,2P,1R,2.5MM,STRAIGHT,SN,RED	1	SNA	
CN11	3711-000880	HEADER-BOARD TO CABLE	BOX,3P,1R,2.5MM,STRAIGHT,SN,RED	1	SNA	
CN81	3711-000939	HEADER-BOARD TO CABLE	BOX,4P,1R,2.5mm,STRAIGHT,SN,RED	1	SNA	
CN41	3711-000940	HEADER-BOARD TO CABLE	BOX,4P,1R,2.5mm,STRAIGHT,SN,WHT	1	SNA	
CN79	3711-002855	HEADER-BOARD TO CABLE	BOX,2P,1R,7.92mm,STRAIGHT,SN,WHT	1	SNA	
CN71	3711-003404	HEADER-BOARD TO CABLE	1WALL,2P,1R,7.92mm,STRAIGHT,SN,BLU	1	SNA	
CN75	3711-003405	HEADER-BOARD TO CABLE	1WALL,2P,1R,7.92mm,STRAIGHT,SN,BLK	1	SNA	
CN74	3711-003406	HEADER-BOARD TO CABLE	1WALL,2P,1R,7.92MM,STRAIGHT,SN,YEL	1	SNA	
CN77	3711-003407	HEADER-BOARD TO CABLE	1WALL,2P,1R,7.92MM,STRAIGHT,SN,RED	1	SNA	
CN91	3711-003845	HEADER-BOARD TO CABLE	BOX,11P,1R,2mm,STRAIGHT,SN,WHT	1	SNA	
CN10	3711-005716	HEADER-BOARD TO CABLE	BOX,10P,1R,2mm,STRAIGHT,SN,BLK	1	SNA	
FT71	DB27-00033A	COIL CHOKE	FILTER,S50	1	SNA	
SW04	DB34-00009A	SWITCH-DIGITAL	PT65 103,ROTARY	1	SNA	
Board	DB41-00364A	PBA LOGIC BOARD	miniDVM_slimduct_chi	1	SA	
F701_1	DB61-00924A	HOLDER-FUSE	-,FH-51B,-,-,-,-,SSEC	1	SNA	
Heat sink	DB62-03085A	HEAT SINK	-,A6063,25,15,15,-,-,SSEC	1	SNA	
IC04	DB91-00677A	ASSY-MIC	STAR_PJT Large Size Duct	1	SA	

OUTDOOR ASSY PCB SUB-EMI (UH105/140CAV :DB93-05844A)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
VA01	1405-000154	VARISTOR	460Vdc,2500A,17.5x7.5mm,TP	1	SNA	
VA02	1405-000154	VARISTOR	460Vdc,2500A,17.5x7.5mm,TP	1	SNA	
VA03	1405-000154	VARISTOR	460Vdc,2500A,17.5x7.5mm,TP	1	SNA	
VA04	1405-000154	VARISTOR	460Vdc,2500A,17.5x7.5mm,TP	1	SNA	
VA05	1405-000154	VARISTOR	460Vdc,2500A,17.5x7.5mm,TP	1	SNA	
VA06	1405-000154	VARISTOR	460Vdc,2500A,17.5x7.5mm,TP	1	SNA	
R002	2003-000835	R-METAL OXIDE(S)	470Kohm,5%,2W,AA,TP,4x12mm	1	SNA	
R003	2003-000835	R-METAL OXIDE(S)	470Kohm,5%,2W,AA,TP,4x12mm	1	SNA	
C001	2201-000540	C-CERAMIC,DISC	4.7NF,20%,2KV,Y5U,BK,12X5MM,10	1	SNA	
C002	2201-000540	C-CERAMIC,DISC	4.7NF,20%,2KV,Y5U,BK,12X5MM,10	1	SNA	
C006	2201-000154	C-CERAMIC,DISC	10NF,+80-20%,2KV,Y5P,TP,20X5MM,7.5	1	SNA	
C007	2201-000154	C-CERAMIC,DISC	10NF,+80-20%,2KV,Y5P,TP,20X5MM,7.5	1	SNA	
C008	2301-001314	C-FILM,LEAD-PPF	470nF,10%,275V,BK,25x11.5x21mm	1	SNA	
C009	2301-001285	C-FILM,LEAD-PPF	680NF,10%,275V,BK,31X11X21MM,27.5	1	SNA	
CN01	3711-000203	HEADER-BOARD TO CABLE	1WALL,2P/3P,1R,7.92mm,STRAIGHT,SN,WHT	1	SNA	
N2	3712-001139	CONNECTOR-TERMINAL	TAB,MALE,-,6.35X0.8MM	1	SNA	
L	3712-001265	CONNECTOR-TERMINAL	1PIN,SCREW(M5),8AWG,14*12	1	SNA	
L1	3712-001265	CONNECTOR-TERMINAL	1PIN,SCREW(M5),8AWG,14*12	1	SNA	
N	3712-001265	CONNECTOR-TERMINAL	1PIN,SCREW(M5),8AWG,14*12	1	SNA	
N1	3712-001265	CONNECTOR-TERMINAL	1PIN,SCREW(M5),8AWG,14*12	1	SNA	
DSA	4715-001093	SURGE ABSORBER	3600V,20%,2000A,-,AXIAL	1	SNA	
FT00	DB27-00054A	COIL CHOKE	SSC4823010B,RIXBHF040B1,1.0mH	1	SNA	
FT01	DB27-00054A	COIL CHOKE	SSC4823010B,RIXBHF040B1,1.0mH	1	SNA	
FT02	DB27-00054A	COIL CHOKE	SSC4823010B,RIXBHF040B1,1.0mH	1	SNA	
PCB BOARD	DB41-00670A	PCB SUB-EMI	GALAXY 2 PJT,FR-4,2,V2.2,T1.6,-,-,-,-,-,SSEC	1	SNA	
	DB93-06338A	ASSY CONNECTOR WIRE-EARTH	UH140EAV,SSEC,UL1015,AWG18,620÷10	1	SNA	

OUTDOOR ASSY PCB SUB-DISPLAY (UH105/140CAV :DB93-05955A)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
D901	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,TP	1	SNA	
D902	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,TP	1	SNA	
D903	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,TP	1	SNA	
D904	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,TP	1	SNA	
K1	3404-001220	SWITCH-TACT	12V,50mA,160gf,6.1x6.1x5.0mm,SPST	1	SNA	
K2	3404-001220	SWITCH-TACT	12V,50mA,160gf,6.1x6.1x5.0mm,SPST	1	SNA	
K3	3404-001220	SWITCH-TACT	12V,50mA,160gf,6.1x6.1x5.0mm,SPST	1	SNA	
K4	3404-001220	SWITCH-TACT	12V,50mA,160gf,6.1x6.1x5.0mm,SPST	1	SNA	
CN952	3711-004067	HEADER-BOARD TO CABLE	BOX,4P,1R,2mm,ANGLE,SN,NTR	1	SNA	
CN951	3711-004531	HEADER-BOARD TO CABLE	BOX,10P,1R,2mm,ANGLE,SN,WHT	1	SNA	
J1	3812-001283	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm	1	SNA	
J2	3812-001283	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm	1	SNA	
J3	3812-001283	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm	1	SNA	
J4	3812-001283	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm	1	SNA	
J5	3812-001283	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm	1	SNA	
J6	3812-001283	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm	1	SNA	
DIS1	DB07-00054A	LED DISPLAY	SSD-A3202GS-A13,LED DISPLAY,2 DIGIT	1	SNA	
DIS2	DB07-00054A	LED DISPLAY	SSD-A3202GS-A13,LED DISPLAY,2 DIGIT,16 SEGMENT	1	SNA	
PCB BOARD	DB41-00671A	PCB SUB-DISPLAY	GALAXY 2 PJT,FR-1,1,V1.0,T1.6	1	SNA	

■ OUTDOOR ASSY MAIN PCB (UH105/140CAV :DB93-05842A)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
D400	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D401	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D402	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D403	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D405	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D406	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D900	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D901	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
BD700	0402-000324	DIODE-BRIDGE	D3SB60,600V,4A,SIP-4,ST	1	SNA	
D100	0402-000351	DIODE-RECTIFIER	1N4937,600V,1A,DO-41,TP	1	SNA	
D101	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
D102	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
D103	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
CD500	0406-001109	DIODE-TVS	SAC5.0,7.6/-/-V,500W,DO-15	1	SNA	
CD501	0406-001109	DIODE-TVS	SAC5.0,7.6/-/-V,500W,DO-15	1	SNA	
Q901	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q902	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q903	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
Q904	0504-000001	TR-DIGITAL	DTA114EKA,PNP,200mW,10K/10K,SOT-23,TP	1	SNA	
IC200	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
IC600	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
IC901	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
IC902	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
PC100	0604-001002	PHOTO-COUPLER	TR,100-600%,200mW,SOP-4,TP	1	SNA	
PC500	0604-001148	PHOTO-COUPLER	TR,50-600%,200mW,SMD-4,TP	1	SNA	
IC501	0801-000393	IC-CMOS LOGIC	74HC86,OR GATE,SOP,14P,150MIL,QUAD,ST	1	SNA	
IC500	1006-001371	IC-LINE TRANSCEIVER	ISL3175EIBZ,SOIC,8P,6.2x5.0x1.75,1,REEL	1	SNA	
IC101	1203-000340	IC-VOL. REFERENCE	431,TO-92,3P,-,PLASTIC,36V,770	1	SNA	
IC300	1203-003334	IC-RESET	S-801,SOT-23,5P,2.9x1.6mm,PLASTIC	1	SNA	
IC100	1203-003527	IC-PWM CONTROLLER	TOP243,DIP,7P,9.83x6.6mm,PLASTIC	1	SNA	
NTC700	1404-001377	THERMISTOR-NTC	10ohm,4A,3100K,20mW/C,-,15,BK	1	SNA	
R105	2003-000855	R-METAL OXIDE(S)	47Kohm,5%,3W,AA,TP,6x16mm	1	SNA	
R101	2007-000023	R-CHIP	120ohm,5%,1/8W,TP,2012	1	SNA	
R508	2007-000023	R-CHIP	120ohm,5%,1/8W,TP,2012	1	SNA	
R401	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R402	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R404	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R405	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R407	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R408	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R409	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R411	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R412	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R413	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R406	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R410	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R509	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R510	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R511	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R512	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R513	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R514	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R806	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R807	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R808	2007-000300	R-CHIP	10Kohm,5%,1/8W,TP,2012	1	SNA	
R415	2007-000455	R-CHIP	18Kohm,1%,1/10W,TP,1608	1	SNA	
R418	2007-000455	R-CHIP	18Kohm,1%,1/10W,TP,1608	1	SNA	
R420	2007-000455	R-CHIP	18Kohm,1%,1/10W,TP,1608	1	SNA	

OUTDOOR ASSY MAIN PCB (UH105/140CAV :DB93-05842A cont.)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
R421	2007-000455	R-CHIP	18Kohm,1%,1/10W,TP,1608	1	SNA	
R300	2007-000465	R-CHIP	1Kohm,1%,1/8W,TP,2012	1	SNA	
R301	2007-000465	R-CHIP	1Kohm,1%,1/8W,TP,2012	1	SNA	
R302	2007-000465	R-CHIP	1Kohm,1%,1/8W,TP,2012	1	SNA	
R303	2007-000465	R-CHIP	1Kohm,1%,1/8W,TP,2012	1	SNA	
R400	2007-000465	R-CHIP	1Kohm,1%,1/8W,TP,2012	1	SNA	
R403	2007-000465	R-CHIP	1Kohm,1%,1/8W,TP,2012	1	SNA	
R414	2007-000613	R-CHIP	24Kohm,1%,1/8W,TP,2012	1	SNA	
R416	2007-000613	R-CHIP	24Kohm,1%,1/8W,TP,2012	1	SNA	
R417	2007-000613	R-CHIP	24Kohm,1%,1/8W,TP,2012	1	SNA	
R419	2007-000613	R-CHIP	24Kohm,1%,1/8W,TP,2012	1	SNA	
R102	2007-000682	R-CHIP	3.3Kohm,1%,1/8W,TP,2012	1	SNA	
R809	2007-000766	R-CHIP	330ohm,5%,1/8W,TP,2012	1	SNA	
R810	2007-000766	R-CHIP	330ohm,5%,1/8W,TP,2012	1	SNA	
R811	2007-000766	R-CHIP	330ohm,5%,1/8W,TP,2012	1	SNA	
R110	2007-000924	R-CHIP	470Kohm,1%,1/4W,TP,3216	1	SNA	
R111	2007-000924	R-CHIP	470Kohm,1%,1/4W,TP,3216	1	SNA	
R112	2007-000924	R-CHIP	470Kohm,1%,1/4W,TP,3216	1	SNA	
R113	2007-000924	R-CHIP	470Kohm,1%,1/4W,TP,3216	1	SNA	
R304	2007-000938	R-CHIP	47Kohm,1%,1/8W,TP,2012	1	SNA	
R305	2007-000938	R-CHIP	47Kohm,1%,1/8W,TP,2012	1	SNA	
R500	2007-000944	R-CHIP	47Kohm,5%,1/4W,TP,3216	1	SNA	
R501	2007-000944	R-CHIP	47Kohm,5%,1/4W,TP,3216	1	SNA	
R502	2007-000944	R-CHIP	47Kohm,5%,1/4W,TP,3216	1	SNA	
R503	2007-000944	R-CHIP	47Kohm,5%,1/4W,TP,3216	1	SNA	
R504	2007-000944	R-CHIP	47Kohm,5%,1/4W,TP,3216	1	SNA	
R505	2007-000944	R-CHIP	47Kohm,5%,1/4W,TP,3216	1	SNA	
R506	2007-000944	R-CHIP	47Kohm,5%,1/4W,TP,3216	1	SNA	
R507	2007-000944	R-CHIP	47Kohm,5%,1/4W,TP,3216	1	SNA	
R900	2007-000964	R-CHIP	5.1Kohm,5%,1/8W,TP,2012	1	SNA	
R901	2007-000964	R-CHIP	5.1Kohm,5%,1/8W,TP,2012	1	SNA	
R902	2007-000964	R-CHIP	5.1Kohm,5%,1/8W,TP,2012	1	SNA	
R100	2007-001074	R-CHIP	6.8ohm,5%,1/8W,TP,2012	1	SNA	
R910	2007-001177	R-CHIP	8.2Kohm,5%,1/8W,TP,2012	1	SNA	
R911	2007-001177	R-CHIP	8.2Kohm,5%,1/8W,TP,2012	1	SNA	
R912	2007-001177	R-CHIP	8.2Kohm,5%,1/8W,TP,2012	1	SNA	
R903	2007-001318	R-CHIP	1Kohm,5%,1/4W,TP,3216	1	SNA	
R904	2007-001318	R-CHIP	1Kohm,5%,1/4W,TP,3216	1	SNA	
R905	2007-001318	R-CHIP	1Kohm,5%,1/4W,TP,3216	1	SNA	
R906	2007-001318	R-CHIP	1Kohm,5%,1/4W,TP,3216	1	SNA	
R907	2007-001318	R-CHIP	1Kohm,5%,1/4W,TP,3216	1	SNA	
R908	2007-001318	R-CHIP	1Kohm,5%,1/4W,TP,3216	1	SNA	
R909	2007-001318	R-CHIP	1Kohm,5%,1/4W,TP,3216	1	SNA	
R106	2007-007459	R-CHIP	470KOHM,5%,1/2W,TP,5025	1	SNA	
R107	2007-007459	R-CHIP	470KOHM,5%,1/2W,TP,5025	1	SNA	
R108	2007-007459	R-CHIP	470KOHM,5%,1/2W,TP,5025	1	SNA	
R109	2007-007459	R-CHIP	470KOHM,5%,1/2W,TP,5025	1	SNA	
C507	2201-000154	C-CERAMIC,DISC	10NF,+80-20%,2KV,Y5P,TP,20X5MM,7.5	1	SNA	
C508	2201-000154	C-CERAMIC,DISC	10NF,+80-20%,2KV,Y5P,TP,20X5MM,7.5	1	SNA	
C509	2201-000154	C-CERAMIC,DISC	10NF,+80-20%,2KV,Y5P,TP,20X5MM,7.5	1	SNA	
C510	2201-000154	C-CERAMIC,DISC	10NF,+80-20%,2KV,Y5P,TP,20X5MM,7.5	1	SNA	
C102	2201-000879	C-CERAMIC,DISC	2.2NF,10%,1KV,Y5P,BK,10X4MM,10	1	SNA	
C105	2201-000879	C-CERAMIC,DISC	2.2NF,10%,1KV,Y5P,BK,10X4MM,10	1	SNA	
C104	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C107	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C200	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C201	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C300	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	

■ OUTDOOR ASSY MAIN PCB (UH105/140CAV :DB93-05842A cont.)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
C301	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C302	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C303	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C304	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C305	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C306	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C307	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C308	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C309	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C400	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C401	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C402	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C403	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C404	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C405	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C406	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C407	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C408	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C409	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C500	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C502	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C503	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C504	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C505	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C600	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C601	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C800	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C801	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C802	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C901	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C902	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C501	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C900	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C903	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C904	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C108	2203-000477	C-CER,CHIP	1000NF,+80-20%,16V,Y5V,TP,2012	1	SNA	
C103	2203-001414	C-CER,CHIP	330nF,10%,50V,X7R,2012	1	SNA	
C700	2306-001034	C-FILM,LEAD-PPF	100nF,10%,275V,TP,17.5x8.5x15,	1	SNA	
C702	2306-001034	C-FILM,LEAD-PPF	100nF,10%,275V,TP,17.5x8.5x15,	1	SNA	
C109	2401-000151	C-AL	1000uF,20%,25V,GP,TP,10x20,5	1	SNA	
C106	2401-002274	C-AL	220uF,20%,35V,WT,TP,10x12.5,5	1	SNA	
C101	2401-002300	C-AL	47µF,20%,50V,GP,TP,6.3x11,5mm	1	SNA	
C100	2401-003861	C-AL	68UF,20%,400V,WT,TP,18X25MM,7.5	1	SNA	
C110	2401-003861	C-AL	68UF,20%,400V,WT,TP,18X25MM,7.5	1	SNA	
X301	2802-001179	RESONATOR-CERAMIC	4MHZ,0.5%,BK,8X3X5.5MM	1	SNA	
K1	3404-001220	SWITCH-TACT	12V,50mA,160gf,6.1x6.1x5.0mm,SPST	1	SNA	
K2	3404-001220	SWITCH-TACT	12V,50mA,160gf,6.1x6.1x5.0mm,SPST	1	SNA	
RY200	3501-001154	RELAY-MINIATURE	12Vdc,200mW,3000mA,1FormA,10mS,10mS	1	SNA	
RY501	3501-001248	RELAY-MINIATURE	12V,-,11.7MA,DPDT,4MS,4MS	1	SNA	
F702	3601-001094	FUSE-CARTRIDGE	250V,5A,FAST-ACTING,GLASS,5.2x20mm	1	SNA	
CN51	3711-000176	HEADER-BOARD TO CABLE	1WALL,2P,1R,3.96mm,STRAIGHT,SN,BLU	1	SNA	
CN50	3711-000177	HEADER-BOARD TO CABLE	1WALL,2P,1R,3.96MM,STRAIGHT,SN,RED	1	SNA	
CN80	3711-000315	HEADER-BOARD TO CABLE	1WALL,4P,1R,7.92MM,STRAIGHT,SN,WHT	1	SNA	
CN46	3711-000939	HEADER-BOARD TO CABLE	BOX,4P,1R,2.5mm,STRAIGHT,SN,RED	1	SNA	
CN44	3711-000940	HEADER-BOARD TO CABLE	BOX,4P,1R,2.5mm,STRAIGHT,SN,WHT	1	SNA	
CN60	3711-000997	CONNECTOR-HEADER	BOX,5P,1R,2.5mm,STRAIGHT,SN,BLU	1	SNA	
CN23	3711-003406	HEADER-BOARD TO CABLE	1WALL,2P,1R,7.92MM,STRAIGHT,SN,YEL	1	SNA	
CN31	3711-003873	HEADER-BOARD TO CABLE	BOX,7P,1R,2mm,STRAIGHT,SN,NTR	1	SNA	

OUTDOOR ASSY MAIN PCB (UH105/140CAV :DB93-05842A cont.)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
CN91	3711-004182	HEADER-BOARD TO CABLE	BOX,10P,1R,2MM,STRAIGHT,SN,NTR	1	SNA	
CN90	3711-004379	HEADER-BOARD TO CABLE	BOX,4P,1R,2mm,STRAIGHT,SN,NTR	1	SNA	
CN92	3711-004484	HEADER-BOARD TO CABLE	BOX,5P,1R,2mm,STRAIGHT,SN,NTR	1	SNA	
CN30	3711-005716	HEADER-BOARD TO CABLE	BOX,10P,1R,2mm,STRAIGHT,SN,BLK	1	SNA	
T100	DB26-00073A	TRANS FBT-PT60	PT60,PT60,700uH,EI2218B,PL-5 or Equiv.	1		
T700	DB27-00033A	COIL CHOKE	FILTER,S50,5A,14mH	1	SNA	
PCB BOARD	DB41-00672A	PCB MAIN-OUT	GALAXY 2 PJT,FR-4,2,V5.2,T1.6,195*130	1	SNA	
F702	DB61-00924A	HOLDER-FUSE	-,FH-51B,-,-,-,-,SSEC	1	SNA	
IC301	DB91-00582A	ASSY-MIC	GALAXY_2 INVETER OUT MAIN MICOM	1	SNA	
IC301	DB09-00338A	IC MICOM	MB90F823,-,80 P,5 V,24 MHz,Flash Memory	1	SNA	
	DB93-06342A	ASSY CONNECTOR WIRE-EARTH	UH140EAV,SSEC,UL1015,AWG16	1	SNA	
R103	DB98-20665A	ASSY-RESISTOR	KFR-35(25)GW/GPI,1.8k F 1608	1	SNA	
R104	DB98-20665A	ASSY-RESISTOR	KFR-35(25)GW/GPI,1.8k F 1608	1	SNA	

OUTDOOR ASSY MAIN PCB -INVERTER(UH140CAV :DB93-05843A)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
D100	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D700	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D701	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D702	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D703	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D102	0402-000351	DIODE-RECTIFIER	1N4937,600V,1A,DO-41,TP	1	SNA	
D401	0402-000351	DIODE-RECTIFIER	1N4937,600V,1A,DO-41,TP	1	SNA	
D402	0402-000351	DIODE-RECTIFIER	1N4937,600V,1A,DO-41,TP	1	SNA	
D403	0402-000351	DIODE-RECTIFIER	1N4937,600V,1A,DO-41,TP	1	SNA	
D103	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
D104	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
D105	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
D106	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
BD01	0402-001771	DIODE-BRIDGE	D50XB80,800V,50A,SIP-4,TP	1	SNA	
D101	0402-001772	DIODE-RECTIFIER	RURG5060,600V,50A,TO-247,TP	1	SNA	
ZD300	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225mW,SOT-23,TP	1	SNA	
ZD301	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225mW,SOT-23,TP	1	SNA	
ZD700	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225mW,SOT-23,TP	1	SNA	
ZD701	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225mW,SOT-23,TP	1	SNA	
Q401	0501-002113	TR-SMALL SIGNAL	BC847B,NPN,330mW,SOT-23,TP,200	1	SNA	
Q403	0501-002113	TR-SMALL SIGNAL	BC847B,NPN,330mW,SOT-23,TP,200	1	SNA	
IC200	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
LED202	0601-001816	LED	SMD,Y-GRN,1.6X0.8X0.55MM,570NM,1.6X0.8X0.55MM	1	SNA	
LED203	0601-001954	LED	SMD,YEL,1.6X0.8X0.8MM,587NM,1.6X0.8X0.8MM	1	SNA	
LED201	0601-002345	LED	SMD,RED,1.6x0.8x0.55mm,660nm,1.6x0.8x0.55mm	1	SNA	
IC501	0604-001002	PHOTO-COUPLER	TR,100-600%,200mW,SOP-4,TP	1	SNA	
IC502	0604-001002	PHOTO-COUPLER	TR,100-600%,200mW,SOP-4,TP	1	SNA	
IC12	0604-001172	PHOTO-COUPLER	TR,100-300,200mW,SOP,TP	1	SA	
IC16	1203-000274	IC-POSI.FIXED REG.	7805,TO-220,3P,-,PLASTIC,4.8/5	1	SNA	
IC19	1203-000274	IC-POSI.FIXED REG.	7805,TO-220,3P,-,PLASTIC,4.8/5	1	SNA	
IC13	1203-002948	IC-POSI.ADJUST REG.	TL431ACD,SOP,8P,4.9X3.9MM,PLASTIC	1	SNA	
IC11	1203-003527	IC-PWM CONTROLLER	TOP243,DIP,7P,9.83x6.6mm,PLASTIC	1	SNA	
R107	2003-000708	R-METAL OXIDE(S)	47ohm,5%,1W,AA,TP,3.3x9mm	1	SNA	
R101	2003-000855	R-METAL OXIDE(S)	47Kohm,5%,3W,AA,TP,6x16mm	1	SNA	
R001	2006-001080	R-CEMENT(S)	200ohm,5%,5W,CB,BK,13x9x25.5mm	1	SNA	
R901	2006-001164	R-CEMENT	0.02ohm,5%,5W,CB,BK,26x5x17mm	1	SNA	
R902	2006-001164	R-CEMENT	0.02ohm,5%,5W,CB,BK,26x5x17mm	1	SNA	
R440	2006-001165	R-CEMENT	0.007ohm,5%,20W,CB,BK,23x13x38mm	1	SNA	
R821	2007-000029	R-CHIP	0ohm,5%,1/8W,TP,2012	1	SNA	
R822	2007-000029	R-CHIP	0ohm,5%,1/8W,TP,2012	1	SNA	
R321	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SNA	
R322	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SNA	
R326	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SNA	
R361	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SNA	
R312	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R346	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R347	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R348	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R432	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R434	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R500	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R502	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R323	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SNA	
R342	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SNA	
R349	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SNA	
R422	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SNA	

OUTDOOR ASSY MAIN PCB -INVERTER(UH140CAV :DB93-05843A cont.)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
R423	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SNA	
R428	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SNA	
R472	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SNA	
RA	2007-000080	R-CHIP	2Kohm,5%,1/10W,TP,1608	1	SNA	
R315	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R324	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R325	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R327	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R328	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R407	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R301	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R302	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R309	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R311	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R313	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R316	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R317	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R318	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R329	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R330	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R331	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R332	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R333	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R334	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R335	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R336	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R337	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R344	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R345	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R400	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R409	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R421	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R424	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R426	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R431	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R433	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R435	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R805	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R906	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R907	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R408	2007-000113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SNA	
R410	2007-000113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SNA	
R429	2007-000113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SNA	
R814	2007-000221	R-CHIP	1.2Kohm,5%,1/8W,TP,2012	1	SNA	
R815	2007-000221	R-CHIP	1.2Kohm,5%,1/8W,TP,2012	1	SNA	
R106	2007-000263	R-CHIP	1.82Kohm,1%,1/8W,TP,2012	1	SNA	
R401	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R402	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R403	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R404	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R405	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R406	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R115	2007-000385	R-CHIP	14.3Kohm,1%,1/4W,TP,3216	1	SNA	
R501	2007-000465	R-CHIP	1Kohm,1%,1/8W,TP,2012	1	SNA	
R503	2007-000465	R-CHIP	1Kohm,1%,1/8W,TP,2012	1	SNA	
R103	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R820	2007-000477	R-CHIP	1Mohm,5%,1/8W,TP,2012	1	SNA	

OUTDOOR ASSY MAIN PCB -INVERTER(UH140CAV :DB93-05843A cont.)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
R201	2007-000493	R-CHIP	2.2Kohm,5%,1/8W,TP,2012	1	SNA	
R202	2007-000493	R-CHIP	2.2Kohm,5%,1/8W,TP,2012	1	SNA	
R203	2007-000493	R-CHIP	2.2Kohm,5%,1/8W,TP,2012	1	SNA	
R722	2007-000613	R-CHIP	24Kohm,1%,1/8W,TP,2012	1	SNA	
R104	2007-000686	R-CHIP	3.3Kohm,5%,1/8W,TP,2012	1	SNA	
R721	2007-000763	R-CHIP	330ohm,1%,1/10W,TP,1608	1	SNA	
R112	2007-000924	R-CHIP	470Kohm,1%,1/4W,TP,3216	1	SNA	
R113	2007-000924	R-CHIP	470Kohm,1%,1/4W,TP,3216	1	SNA	
R114	2007-000924	R-CHIP	470Kohm,1%,1/4W,TP,3216	1	SNA	
R412	2007-000929	R-CHIP	470ohm,1%,1/10W,TP,1608	1	SNA	
R425	2007-001067	R-CHIP	6.8Kohm,1%,1/8W,TP,2012	1	SNA	
R430	2007-001067	R-CHIP	6.8Kohm,1%,1/8W,TP,2012	1	SNA	
R102	2007-001074	R-CHIP	6.8ohm,5%,1/8W,TP,2012	1	SNA	
R105	2007-001222	R-CHIP	9.09Kohm,1%,1/8W,TP,2012	1	SNA	
R905	2007-002667	R-CHIP	90.9Kohm,1%,1/4W,TP,3216	1	SNA	
R116	2007-008261	R-CHIP	150KOHM,1%,1/2W,TP,5025	1	SNA	
R117	2007-008261	R-CHIP	150KOHM,1%,1/2W,TP,5025	1	SNA	
R118	2007-008261	R-CHIP	150KOHM,1%,1/2W,TP,5025	1	SNA	
R903	2007-008261	R-CHIP	150KOHM,1%,1/2W,TP,5025	1	SNA	
R904	2007-008261	R-CHIP	150KOHM,1%,1/2W,TP,5025	1	SNA	
C105	2201-000322	C-CERAMIC,DISC	2.2NF,10%,2KV,Y5P,TP,13X5MM,10	1	SNA	
C106	2201-000322	C-CERAMIC,DISC	2.2NF,10%,2KV,Y5P,TP,13X5MM,10	1	SNA	
C109	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C112	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C116	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C117	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C121	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C824	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C825	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C200	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C301	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C302	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C311	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C312	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C313	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C323	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C324	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C327	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C361	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C404	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C406	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C408	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C410	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C418	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C425	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C426	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C427	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C428	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C429	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C430	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C431	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C713	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C714	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C721	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C906	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C907	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C411	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	

■ OUTDOOR ASSY MAIN PCB -INVERTER(UH140CAV :DB93-05843A cont.)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
C412	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	
C413	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	
C414	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	
C415	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	
C416	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	
C328	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	1	SNA	
C407	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C409	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C500	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C501	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C502	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C813	2203-000444	C-CER,CHIP	1nF,10%,50V,X7R,2012	1	SNA	
C108	2203-001414	C-CER,CHIP	330nF,10%,50V,X7R,2012	1	SNA	
C308	2203-002002	C-CER,CHIP	33pF,5%,50V,NPO,BK,1608,-	1	SNA	
C318	2203-002002	C-CER,CHIP	33pF,5%,50V,NPO,BK,1608,-	1	SNA	
C319	2203-002002	C-CER,CHIP	33pF,5%,50V,NPO,BK,1608,-	1	SNA	
C320	2203-002002	C-CER,CHIP	33pF,5%,50V,NPO,BK,1608,-	1	SNA	
C321	2203-002002	C-CER,CHIP	33pF,5%,50V,NPO,BK,1608,-	1	SNA	
C419	2203-002398	C-CER,CHIP	22nF,10%,50V,X7R,1608	1	SNA	
C420	2203-002398	C-CER,CHIP	22nF,10%,50V,X7R,1608	1	SNA	
C801	2203-002398	C-CER,CHIP	22nF,10%,50V,X7R,1608	1	SNA	
C306	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,1608	1	SNA	
C316	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,1608	1	SNA	
C113	2203-005261	C-CER,CHIP	1000nF,10%,25V,X7R,3216	1	SNA	
C122	2203-005261	C-CER,CHIP	1000nF,10%,25V,X7R,3216	1	SNA	
C400	2203-006104	C-CER,CHIP	1000nF,10%,50V,X7R,3225	1	SNA	
C424	2203-006104	C-CER,CHIP	1000nF,10%,50V,X7R,3225	1	SNA	
C008	2301-001703	C-FILM,LEAD	1000nF,5%,630V,BK,30X23X15,-	1	SNA	
C810	2301-001703	C-FILM,LEAD	1000nF,5%,630V,BK,30X23X15,-	1	SNA	
C422	2306-000123	C-FILM,LEAD-PPF	100nF,5%,630V,BK,26x16.5x8.5,2	1	SNA	
C809	2306-000123	C-FILM,LEAD-PPF	100nF,5%,630V,BK,26x16.5x8.5,2	1	SNA	
C904	2401-000027	C-AL	4.7uF,20%,50V,GP,TP,5x11,5	1	SNA	
C123	2401-000303	C-AL	100uF,20%,25V,GP,TP,6.3x11,5	1	SNA	
C124	2401-000470	C-AL	10uF,20%,450V,GP,TP,13x20mm,5m	1	SNA	
C300	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C305	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C309	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C315	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C317	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C322	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C325	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C402	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C405	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C110	2401-000832	C-AL	220uF,20%,25V,GP,TP,8x11.5,5	1	SNA	
C114	2401-000832	C-AL	220uF,20%,25V,GP,TP,8x11.5,5	1	SNA	
C119	2401-000832	C-AL	220uF,20%,25V,GP,TP,8x11.5,5	1	SNA	
C107	2401-001552	C-AL	47uF,20%,35V,GP,TP,6.3x11,2.5	1	SNA	
C421	2401-002274	C-AL	220uF,20%,35V,WT,TP,10x12.5,5	1	SNA	
C118	2401-002300	C-AL	47μF,20%,50V,GP,TP,6.3x11,5mm	1	SNA	
C401	2401-002300	C-AL	47μF,20%,50V,GP,TP,6.3x11,5mm	1	SNA	
C403	2401-002300	C-AL	47μF,20%,50V,GP,TP,6.3x11,5mm	1	SNA	
C423	2401-002300	C-AL	47μF,20%,50V,GP,TP,6.3x11,5mm	1	SNA	
C905	2401-002400	C-AL	3.3UF,20%,50V,WT,TP,5X11,5	1	SNA	
C101	2401-004278	C-AL	560μF,+-20%,400V,LGU,-,50*35,10mm	1	SNA	
C102	2401-004278	C-AL	560μF,+-20%,400V,LGU,-,50*35,10mm	1	SNA	
C103	2401-004278	C-AL	560μF,+-20%,400V,LGU,-,50*35,10mm	1	SNA	
Y30	2802-001198	RESONATOR-CERAMIC	10MHZ,0.5%,BK,8X3X5.5MM	1	SNA	
RY01	3501-001154	RELAY-MINIATURE	12Vdc,200mW,3000mA,1FormA,10mS,10mS	1	SNA	

■ OUTDOOR ASSY MAIN PCB -INVERTER(UH140CAV :DB93-05843A cont.)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
RY02	3501-001154	RELAY-MINIATURE	12Vdc,200mW,3000mA,1FormA,10mS,10mS	1	SNA	
CN41	3711-000319	CONNECTOR-HEADER	1WALL,7P,1R,3.96mm,STRAIGHT,SN,BLU	1	SNA	
CN40	3711-000321	HEADER-BOARD TO CABLE	1WALL,7P,1R,3.96MM,STRAIGHT,SN,WHT	1	SNA	
CN31	3711-003843	HEADER-BOARD TO CABLE	BOX,8P,1R,2mm,STRAIGHT,SN,WHT	1	SNA	
CN72	3711-003942	HEADER-BOARD TO CABLE	BOX,2P,1R,2mm,STRAIGHT,SN,WHT	1	SNA	
CN70	3711-004379	HEADER-BOARD TO CABLE	BOX,4P,1R,2mm,STRAIGHT,SN,NTR	1	SNA	
CN71	3711-005206	HEADER-BOARD TO CABLE	BOX,3P,1R,2MM,STRAIGHT,SN,BLU	1	SNA	
CN30	3711-005716	HEADER-BOARD TO CABLE	BOX,10P,1R,2mm,STRAIGHT,SN,BLK	1	SNA	
CN22	3711-006053	HEADER-BOARD TO BOARD	BOX,2P,1R,7.92mm,STRAIGHT,SN,BLU	1	SNA	
Q400	DB13-00003A	IC DRIVER GATE	-,SOT-23,-,-,1P,1P,0.2mm,2.93x1.3mm	1	SNA	
Q402	DB13-00003A	IC DRIVER GATE	-,SOT-23,-,-,1P,1P,0.2mm,2.93x1.3mm	1	SNA	
PT02	DB26-00075A	TRANS SWITCHING	PT-50,AQV18FA,-,90~275V,FERRITE	1	SNA	
IC700	DB32-00184A	SENSOR MAG-CT SENSOR	ACS754LCB-050-PFF,RIXBHF040B1	1	SNA	
IC701	DB32-00184A	SENSOR MAG-CT SENSOR	ACS754LCB-050-PFF,RIXBHF040B1	1	SNA	
PCB BOARD	DB41-00669A	PCB MAIN-INVERTER	GALAXY 2 PJT,FR-4,2,V1.1,T1.6,SSEC	1	SNA	
J101	DB47-90005A	JUMPER WIRE	TA0.6PI/52MM,P0509-400-108,-,-	1	SNA	
IC303	DB91-00565A	ASSY-EEPROM	UH140EAV1,93LC66, SSEC	1	SNA	
IC303	1103-001038	IC-EEPROM	93LC66,4KBIT,256X16BIT,SOP,8P,5X4MM	1	SNA	
IC301	DB91-00574A	ASSY-MIC	GALAXY2 OUTDOOR Inv Micom,STM-0753-OS	1	SNA	
IC301	DB09-00517A	IC MICOM	MN103FA7K,-,80P,+5V,10 MHz,Flash Memory	1	SNA	
N1	DB93-06328B	ASSY CONNECTOR WIRE-POWER	UH140EAV,SSEC,UL1015,AWG12	1	SNA	
U,V,W	DB93-06343A	ASSY CONNECTOR WIRE-COMP	UH140EAV,SSEC,UL1015,AWG12,120÷10,BLK,42816-03	1	SNA	
PEACTOR01,02	DB93-06348A	ASSY CONNECTOR WIRE-REACTOR	UH140EAV,SSEC,UL1015,AWG12,500÷10,BLK,42816-2	1	SNA	
L,N	DB93-06392A	ASSY CONNECTOR WIRE-POWER	UH140EAV,SSEC,UL1015,AWG18/12	1	SNA	
	DB93-06393A	ASSY CONNECTOR WIRE-JUMP	UH140EAV,SSEC,UL1015,AWG12,170÷10,SIN-81T-3.6S	1	SNA	
	DB93-06393B	ASSY CONNECTOR WIRE-JUMP	UH140EAV,SSEC,UL1015,AWG12,170÷10,SIN-81T-3.6S	1	SNA	
IPM	DB95-00630A	ASSY-IPM	MH080FXEA4,PS21869-P	1	SNA	
PFC-HIC	DB95-01471A	ASSY-PFC MODULE	UH140EAV,PFC MODULE	1	SNA	
Q903	DB98-16589A	ASSY-IGBT		1	SNA	

OUTDOOR ASSY MAIN PCB -INVERTER(UH105CAV :DB93-05843B)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
D100	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D700	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D701	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D702	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D703	0401-000133	DIODE-SWITCHING	RLS4148,75V,150mA,LL-34,TP	1	SNA	
D102	0402-000351	DIODE-RECTIFIER	1N4937,600V,1A,DO-41,TP	1	SNA	
D401	0402-000351	DIODE-RECTIFIER	1N4937,600V,1A,DO-41,TP	1	SNA	
D402	0402-000351	DIODE-RECTIFIER	1N4937,600V,1A,DO-41,TP	1	SNA	
D403	0402-000351	DIODE-RECTIFIER	1N4937,600V,1A,DO-41,TP	1	SNA	
D103	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
D104	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
D105	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
D106	0402-001427	DIODE-RECTIFIER	ES1D,200V,1A,DO-214AC,TP	1	SNA	
BD01	0402-001771	DIODE-BRIDGE	D50XB80,800V,50A,SIP-4,TP	1	SNA	
D101	0402-001772	DIODE-RECTIFIER	RURG5060,600V,50A,TO-247,TP	1	SNA	
ZD300	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225mW,SOT-23,TP	1	SNA	
ZD301	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225mW,SOT-23,TP	1	SNA	
ZD700	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225mW,SOT-23,TP	1	SNA	
ZD701	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225mW,SOT-23,TP	1	SNA	
Q401	0501-002113	TR-SMALL SIGNAL	BC847B,NPN,330mW,SOT-23,TP,200	1	SNA	
Q403	0501-002113	TR-SMALL SIGNAL	BC847B,NPN,330mW,SOT-23,TP,200	1	SNA	
IC200	0506-000175	TR-ARRAY	2003,NPN,7,1W,SOP-16,ST,1000	1	SNA	
LED202	0601-001816	LED	SMD,Y-GRN,1.6X0.8X0.55MM,570NM,1.6X0.8X0.55MM	1	SNA	
LED203	0601-001954	LED	SMD,YEL,1.6X0.8X0.8MM,587NM,1.6X0.8X0.8MM	1	SNA	
LED201	0601-002345	LED	SMD,RED,1.6x0.8x0.55mm,660nm,1.6x0.8x0.55mm	1	SNA	
IC501	0604-001002	PHOTO-COUPLER	TR,100-600%,200mW,SOP-4,TP	1	SNA	
IC502	0604-001002	PHOTO-COUPLER	TR,100-600%,200mW,SOP-4,TP	1	SNA	
IC12	0604-001172	PHOTO-COUPLER	TR,100-300,200mW,SOP,TP	1	SA	
IC16	1203-000274	IC-POSI.FIXED REG.	7805,TO-220,3P,-,PLASTIC,4.8/5	1	SNA	
IC19	1203-000274	IC-POSI.FIXED REG.	7805,TO-220,3P,-,PLASTIC,4.8/5	1	SNA	
IC13	1203-002948	IC-POSI.ADJUST REG.	TL431ACD,SOP,8P,4.9X3.9MM,PLASTIC	1	SNA	
IC11	1203-003527	IC-PWM CONTROLLER	TOP243,DIP,7P,9.83x6.6mm,PLASTIC	1	SNA	
R107	2003-000708	R-METAL OXIDE(S)	47ohm,5%,1W,AA,TP,3.3x9mm	1	SNA	
R101	2003-000855	R-METAL OXIDE(S)	47Kohm,5%,3W,AA,TP,6x16mm	1	SNA	
R001	2006-001080	R-CEMENT(S)	200ohm,5%,5W,CB,BK,13x9x25.5mm	1	SNA	
R901	2006-001164	R-CEMENT	0.02ohm,5%,5W,CB,BK,26x5x17mm	1	SNA	
R902	2006-001164	R-CEMENT	0.02ohm,5%,5W,CB,BK,26x5x17mm	1	SNA	
R440	2006-001165	R-CEMENT	0.007ohm,5%,20W,CB,BK,23x13x38mm	1	SNA	
R821	2007-000029	R-CHIP	0ohm,5%,1/8W,TP,2012	1	SNA	
R822	2007-000029	R-CHIP	0ohm,5%,1/8W,TP,2012	1	SNA	
R321	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SNA	
R322	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SNA	
R326	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SNA	
R361	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SNA	
R312	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R346	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R347	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R348	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R432	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R434	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R500	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R502	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SNA	
R323	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SNA	
R342	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SNA	
R349	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SNA	
R422	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SNA	

■ OUTDOOR ASSY MAIN PCB -INVERTER(UH105CAV :DB93-05843B cont.)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
R423	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SNA	
R428	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SNA	
R472	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SNA	
RA	2007-000080	R-CHIP	2Kohm,5%,1/10W,TP,1608	1	SNA	
R315	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R324	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R325	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R327	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R328	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R407	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SNA	
R301	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R302	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R309	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R311	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R313	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R316	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R317	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R318	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R329	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R330	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R331	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R332	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R333	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R334	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R335	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R336	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R337	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R344	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R345	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R400	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R409	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R421	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R424	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R426	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R431	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R433	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R435	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R805	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R906	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R907	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SNA	
R408	2007-000113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SNA	
R410	2007-000113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SNA	
R429	2007-000113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SNA	
R814	2007-000221	R-CHIP	1.2Kohm,5%,1/8W,TP,2012	1	SNA	
R815	2007-000221	R-CHIP	1.2Kohm,5%,1/8W,TP,2012	1	SNA	
R106	2007-000263	R-CHIP	1.82Kohm,1%,1/8W,TP,2012	1	SNA	
R401	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R402	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R403	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R404	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R405	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R406	2007-000290	R-CHIP	100ohm,5%,1/8W,TP,2012	1	SNA	
R115	2007-000385	R-CHIP	14.3Kohm,1%,1/4W,TP,3216	1	SNA	
R501	2007-000465	R-CHIP	1Kohm,1%,1/8W,TP,2012	1	SNA	
R503	2007-000465	R-CHIP	1Kohm,1%,1/8W,TP,2012	1	SNA	
R103	2007-000468	R-CHIP	1Kohm,5%,1/8W,TP,2012	1	SNA	
R820	2007-000477	R-CHIP	1Mohm,5%,1/8W,TP,2012	1	SNA	
R201	2007-000493	R-CHIP	2.2Kohm,5%,1/8W,TP,2012	1	SNA	

OUTDOOR ASSY MAIN PCB -INVERTER(UH105CAV :DB93-05843B cont.)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
R202	2007-000493	R-CHIP	2.2Kohm,5%,1/8W,TP,2012	1	SNA	
R203	2007-000493	R-CHIP	2.2Kohm,5%,1/8W,TP,2012	1	SNA	
R722	2007-000613	R-CHIP	24Kohm,1%,1/8W,TP,2012	1	SNA	
R104	2007-000686	R-CHIP	3.3Kohm,5%,1/8W,TP,2012	1	SNA	
R721	2007-000763	R-CHIP	330ohm,1%,1/10W,TP,1608	1	SNA	
R112	2007-000924	R-CHIP	470Kohm,1%,1/4W,TP,3216	1	SNA	
R113	2007-000924	R-CHIP	470Kohm,1%,1/4W,TP,3216	1	SNA	
R114	2007-000924	R-CHIP	470Kohm,1%,1/4W,TP,3216	1	SNA	
R412	2007-000929	R-CHIP	470ohm,1%,1/10W,TP,1608	1	SNA	
R425	2007-001067	R-CHIP	6.8Kohm,1%,1/8W,TP,2012	1	SNA	
R430	2007-001067	R-CHIP	6.8Kohm,1%,1/8W,TP,2012	1	SNA	
R102	2007-001074	R-CHIP	6.8ohm,5%,1/8W,TP,2012	1	SNA	
R105	2007-001222	R-CHIP	9.09Kohm,1%,1/8W,TP,2012	1	SNA	
R905	2007-002667	R-CHIP	90.9Kohm,1%,1/4W,TP,3216	1	SNA	
R116	2007-008261	R-CHIP	150KOHM,1%,1/2W,TP,5025	1	SNA	
R117	2007-008261	R-CHIP	150KOHM,1%,1/2W,TP,5025	1	SNA	
R118	2007-008261	R-CHIP	150KOHM,1%,1/2W,TP,5025	1	SNA	
R903	2007-008261	R-CHIP	150KOHM,1%,1/2W,TP,5025	1	SNA	
R904	2007-008261	R-CHIP	150KOHM,1%,1/2W,TP,5025	1	SNA	
C105	2201-000322	C-CERAMIC,DISC	2.2NF,10%,2KV,Y5P,TP,13X5MM,10	1	SNA	
C106	2201-000322	C-CERAMIC,DISC	2.2NF,10%,2KV,Y5P,TP,13X5MM,10	1	SNA	
C109	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C112	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C116	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C117	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C121	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C824	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C825	2203-000192	C-CER,CHIP	100nF,+80-20%,50V,Y5V,2012	1	SNA	
C200	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C301	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C302	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C311	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C312	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C313	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C323	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C324	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C327	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C361	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C404	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C406	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C408	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C410	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C418	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C425	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C426	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C427	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C428	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C429	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C430	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C431	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C713	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C714	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C721	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C906	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C907	2203-000206	C-CER,CHIP	100nF,10%,50V,X7R,2012	1	SNA	
C411	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	
C412	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	
C413	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	

OUTDOOR ASSY MAIN PCB -INVERTER(UH105CAV :DB93-05843B cont.)

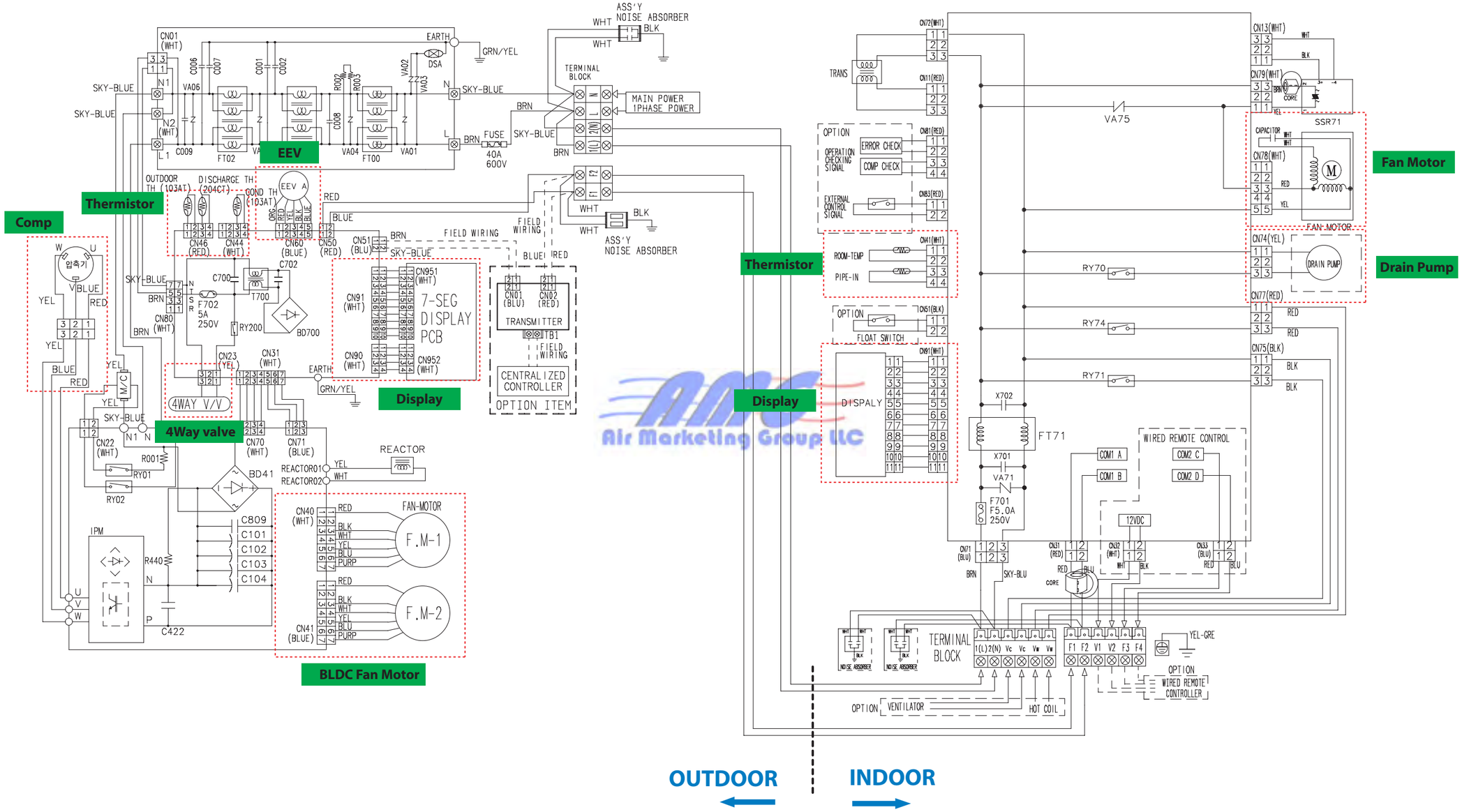
Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
C414	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	
C415	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	
C416	2203-000239	C-CER,CHIP	0.1nF,5%,50V,C0G,2012	1	SNA	
C328	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	1	SNA	
C407	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C409	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C500	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C501	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C502	2203-000260	C-CER,CHIP	10nF,10%,50V,X7R,2012	1	SNA	
C813	2203-000444	C-CER,CHIP	1nF,10%,50V,X7R,2012	1	SNA	
C108	2203-001414	C-CER,CHIP	330nF,10%,50V,X7R,2012	1	SNA	
C308	2203-002002	C-CER,CHIP	33pF,5%,50V,NPO,BK,1608,-	1	SNA	
C318	2203-002002	C-CER,CHIP	33pF,5%,50V,NPO,BK,1608,-	1	SNA	
C319	2203-002002	C-CER,CHIP	33pF,5%,50V,NPO,BK,1608,-	1	SNA	
C320	2203-002002	C-CER,CHIP	33pF,5%,50V,NPO,BK,1608,-	1	SNA	
C321	2203-002002	C-CER,CHIP	33pF,5%,50V,NPO,BK,1608,-	1	SNA	
C419	2203-002398	C-CER,CHIP	22nF,10%,50V,X7R,1608	1	SNA	
C420	2203-002398	C-CER,CHIP	22nF,10%,50V,X7R,1608	1	SNA	
C801	2203-002398	C-CER,CHIP	22nF,10%,50V,X7R,1608	1	SNA	
C306	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,1608	1	SNA	
C316	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,1608	1	SNA	
C113	2203-005261	C-CER,CHIP	1000nF,10%,25V,X7R,3216	1	SNA	
C122	2203-005261	C-CER,CHIP	1000nF,10%,25V,X7R,3216	1	SNA	
C400	2203-006104	C-CER,CHIP	1000nF,10%,50V,X7R,3225	1	SNA	
C424	2203-006104	C-CER,CHIP	1000nF,10%,50V,X7R,3225	1	SNA	
C008	2301-001703	C-FILM,LEAD	1000nF,5%,630V,BK,30X23X15,-	1	SNA	
C810	2301-001703	C-FILM,LEAD	1000nF,5%,630V,BK,30X23X15,-	1	SNA	
C422	2306-000123	C-FILM,LEAD-PPF	100nF,5%,630V,BK,26x16.5x8.5,2	1	SNA	
C809	2306-000123	C-FILM,LEAD-PPF	100nF,5%,630V,BK,26x16.5x8.5,2	1	SNA	
C904	2401-000027	C-AL	4.7uF,20%,50V,GP,TP,5x11,5	1	SNA	
C123	2401-000303	C-AL	100uF,20%,25V,GP,TP,6.3x11,5	1	SNA	
C124	2401-000470	C-AL	10uF,20%,450V,GP,TP,13x20mm,5m	1	SNA	
C300	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C305	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C309	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C315	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C317	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C322	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C325	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C402	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C405	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	SNA	
C110	2401-000832	C-AL	220uF,20%,25V,GP,TP,8x11.5,5	1	SNA	
C114	2401-000832	C-AL	220uF,20%,25V,GP,TP,8x11.5,5	1	SNA	
C119	2401-000832	C-AL	220uF,20%,25V,GP,TP,8x11.5,5	1	SNA	
C107	2401-001552	C-AL	47uF,20%,35V,GP,TP,6.3x11,2.5	1	SNA	
C421	2401-002274	C-AL	220uF,20%,35V,WT,TP,10x12.5,5	1	SNA	
C118	2401-002300	C-AL	47μF,20%,50V,GP,TP,6.3x11,5mm	1	SNA	
C401	2401-002300	C-AL	47μF,20%,50V,GP,TP,6.3x11,5mm	1	SNA	
C403	2401-002300	C-AL	47μF,20%,50V,GP,TP,6.3x11,5mm	1	SNA	
C423	2401-002300	C-AL	47μF,20%,50V,GP,TP,6.3x11,5mm	1	SNA	
C905	2401-002400	C-AL	3.3UF,20%,50V,WT,TP,5X11,5	1	SNA	
C101	2401-004278	C-AL	560μF,+-20%,400V,LGU,-,50*35,10mm	1	SNA	
C102	2401-004278	C-AL	560μF,+-20%,400V,LGU,-,50*35,10mm	1	SNA	
C103	2401-004278	C-AL	560μF,+-20%,400V,LGU,-,50*35,10mm	1	SNA	
Y30	2802-001198	RESONATOR-CERAMIC	10MHZ,0.5%,BK,8X3X5.5MM	1	SNA	
RY01	3501-001154	RELAY-MINIATURE	12Vdc,200mW,3000mA,1FormA,10mS,10mS	1	SNA	
RY02	3501-001154	RELAY-MINIATURE	12Vdc,200mW,3000mA,1FormA,10mS,10mS	1	SNA	
CN41	3711-000319	CONNECTOR-HEADER	1WALL,7P,1R,3.96mm,STRAIGHT,SN,BLU	1	SNA	

OUTDOOR ASSY MAIN PCB -INVERTER(UH105CAV :DB93-05843B cont.)

Location No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
CN40	3711-000321	HEADER-BOARD TO CABLE	1WALL,7P,1R,3.96MM,STRAIGHT,SN,WHT	1	SNA	
CN31	3711-003843	HEADER-BOARD TO CABLE	BOX,8P,1R,2mm,STRAIGHT,SN,WHT	1	SNA	
CN72	3711-003942	HEADER-BOARD TO CABLE	BOX,2P,1R,2mm,STRAIGHT,SN,WHT	1	SNA	
CN70	3711-004379	HEADER-BOARD TO CABLE	BOX,4P,1R,2mm,STRAIGHT,SN,NTR	1	SNA	
CN71	3711-005206	HEADER-BOARD TO CABLE	BOX,3P,1R,2MM,STRAIGHT,SN,BLU	1	SNA	
CN30	3711-005716	HEADER-BOARD TO CABLE	BOX,10P,1R,2mm,STRAIGHT,SN,BLK	1	SNA	
CN22	3711-006053	HEADER-BOARD TO BOARD	BOX,2P,1R,7.92mm,STRAIGHT,SN,BLU	1	SNA	
Q400	DB13-00003A	IC DRIVER GATE	-,SOT-23,-,-,1P,1P,0.2mm,2.93x1.3mm	1	SNA	
Q402	DB13-00003A	IC DRIVER GATE	-,SOT-23,-,-,1P,1P,0.2mm,2.93x1.3mm	1	SNA	
PT02	DB26-00075A	TRANS SWITCHING	PT-50,AQV18FA,-,90~275V,FERRITE	1	SNA	
IC700	DB32-00184A	SENSOR MAG-CT SENSOR	ACS754LCB-050-PFF,RIXBHF040B1,50A	1	SNA	
IC701	DB32-00184A	SENSOR MAG-CT SENSOR	ACS754LCB-050-PFF,RIXBHF040B1	1	SNA	
PCB BOARD	DB41-00669A	PCB MAIN-INVERTER	GALAXY 2 PJT,FR-4,2,V1.1,T1.6,SSEC	1	SNA	
J101	DB47-90005A	JUMPER WIRE	TA0.6PI/52MM,P0509-400-108,-,-	1	SNA	
IC303	DB91-00565B	ASSY-EEPROM	UH105EAV1,93LC66,SSEC	1	SNA	
IC303	1103-001038	IC-EEPROM	93LC66,4KBIT,256X16BIT,SOP,8P,5X4MM	1	SNA	
IC301	DB91-00574A	ASSY-MIC	GALAXY2 OUTDOOR Inv Micom,STM-0753-OS	1	SNA	
IC301	DB09-00517A	IC MICOM	MN103FA7K,-,80P,+5V,10 MHz,Flash Memory	1	SNA	
N1	DB93-06328B	ASSY CONNECTOR WIRE-POWER	UH140EAV,SSEC,UL1015,AWG12	1	SNA	
U,V,W	DB93-06343A	ASSY CONNECTOR WIRE-COMP	UH140EAV,SSEC,UL1015,AWG12,120÷10,BLK,42816-03	1	SNA	
PEACTOR01,02	DB93-06348A	ASSY CONNECTOR WIRE-REACTOR	UH140EAV,SSEC,UL1015,AWG12,500÷10,BLK,42816-2	1	SNA	
L,N	DB93-06392A	ASSY CONNECTOR WIRE-POWER	UH140EAV,SSEC,UL1015,AWG18/12	1	SNA	
	DB93-06393A	ASSY CONNECTOR WIRE-JUMP	UH140EAV,SSEC,UL1015,AWG12,170÷10,SIN-81T-3.6S	1	SNA	
	DB93-06393B	ASSY CONNECTOR WIRE-JUMP	UH140EAV,SSEC,UL1015,AWG12,170÷10,SIN-81T-3.6S	1	SNA	
IPM	DB95-00630A	ASSY-IPM	MH080FXEA4,PS21869-P	1	SNA	
PFC-HIC	DB95-01471A	ASSY-PFC MODULE	UH140EAV,PFC MODULE	1	SNA	
Q903	DB98-16589A	ASSY-IGBT		1	SNA	

MEMO

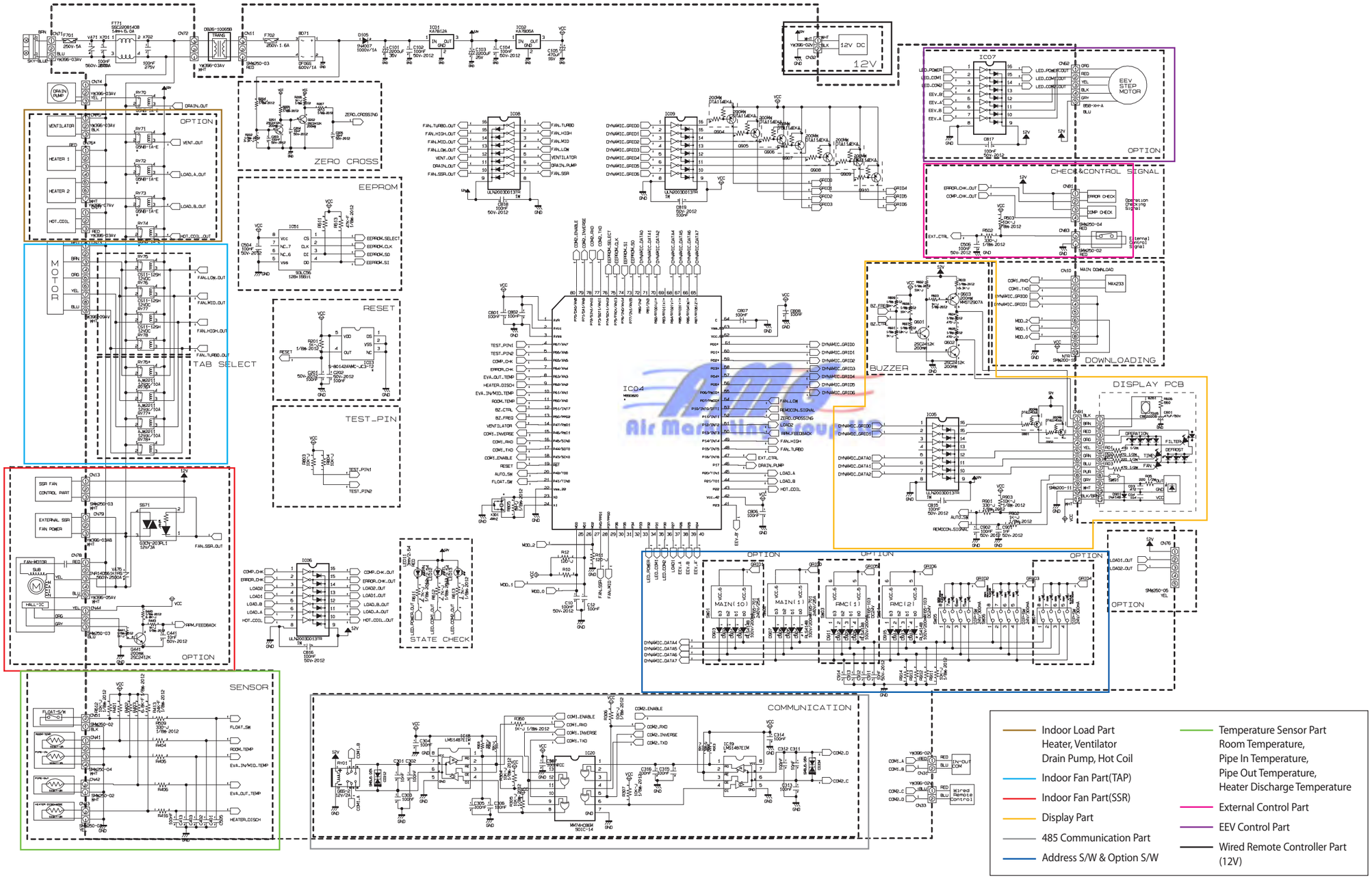
7. Wiring Diagram



8. Schematic Diagram

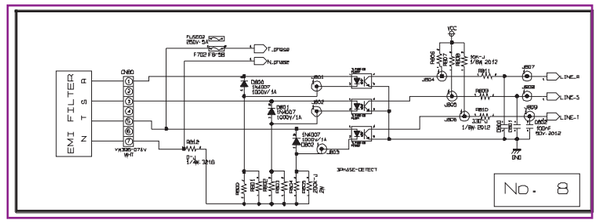
PCB Diagram Description

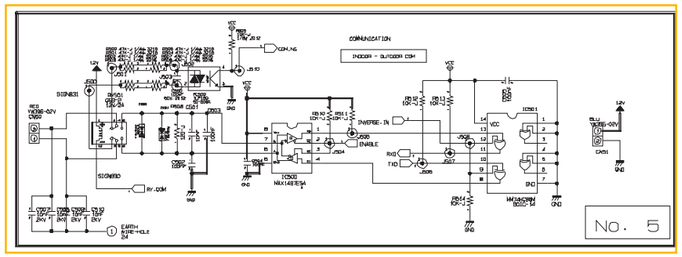
8-1 Indoor Unit

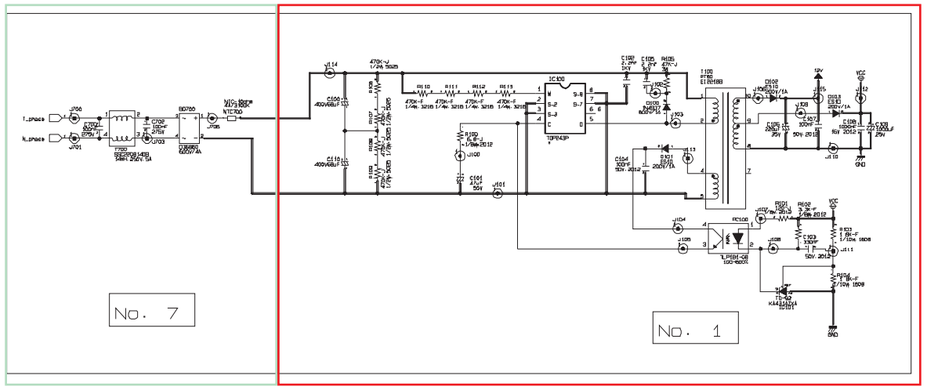


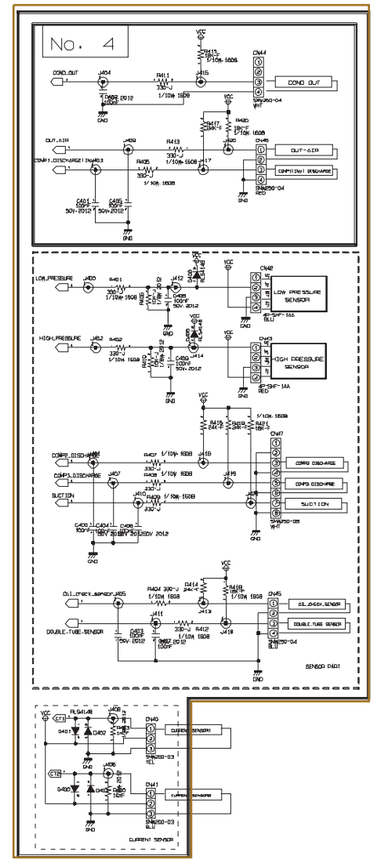
8-2 Outdoor Unit

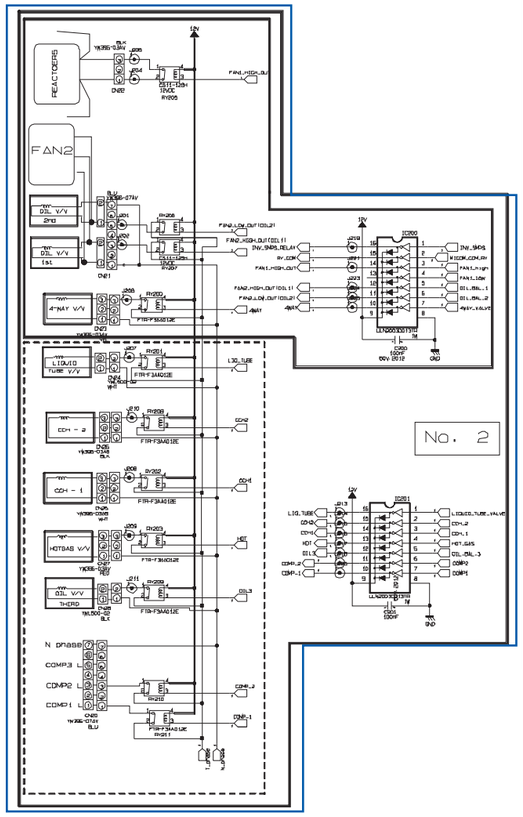
■ MAIN PCB

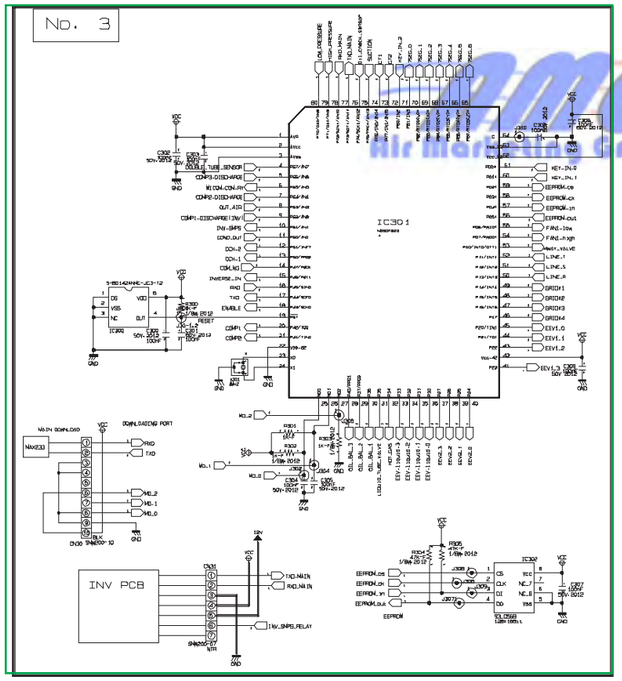


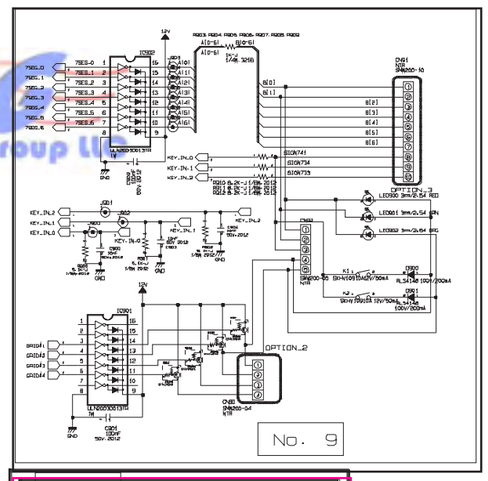


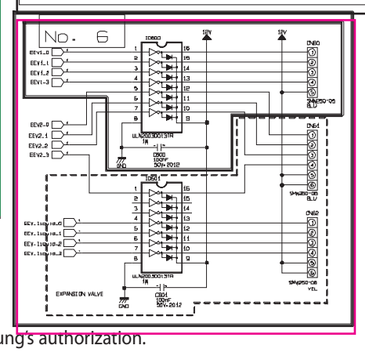






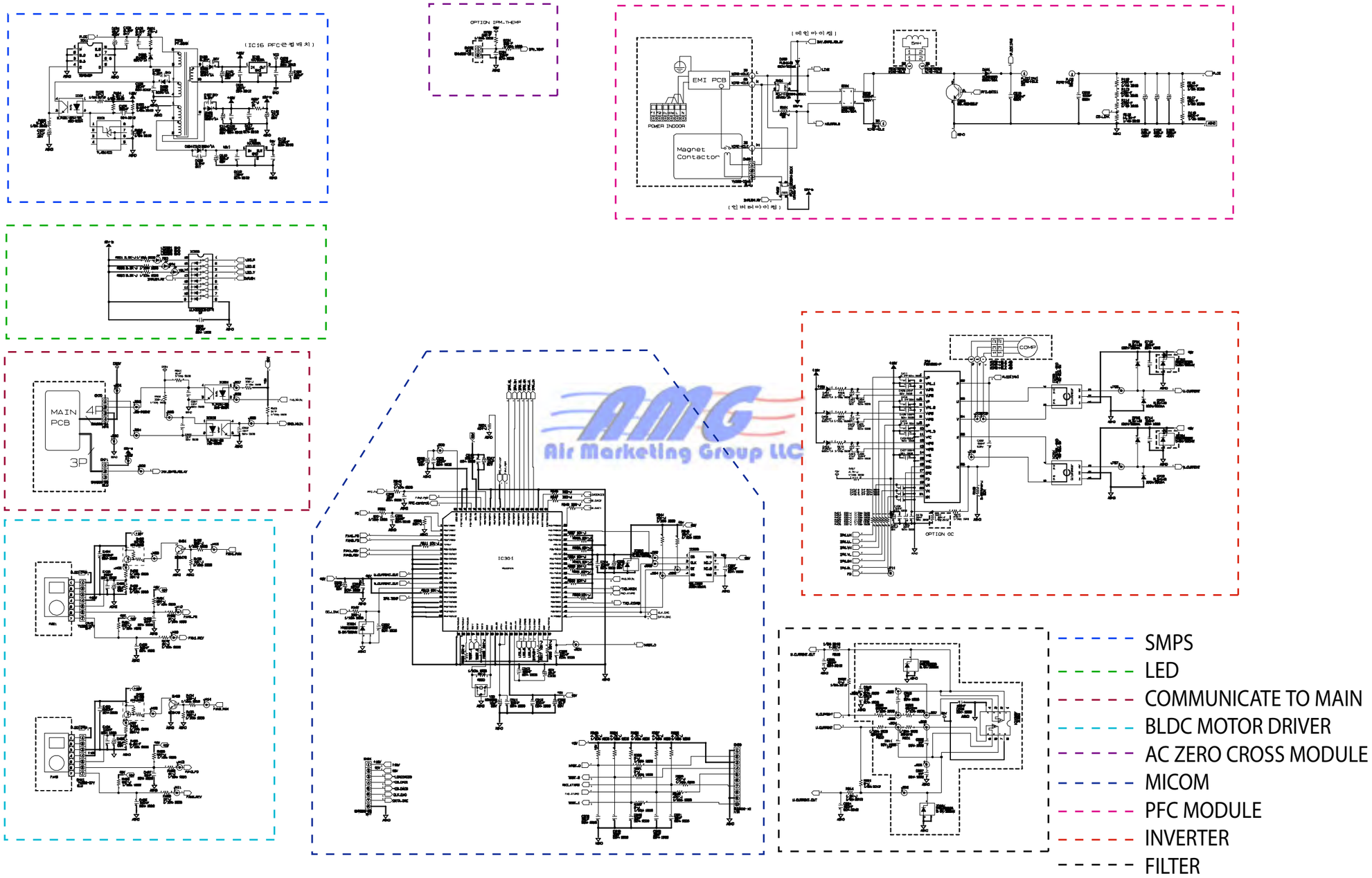




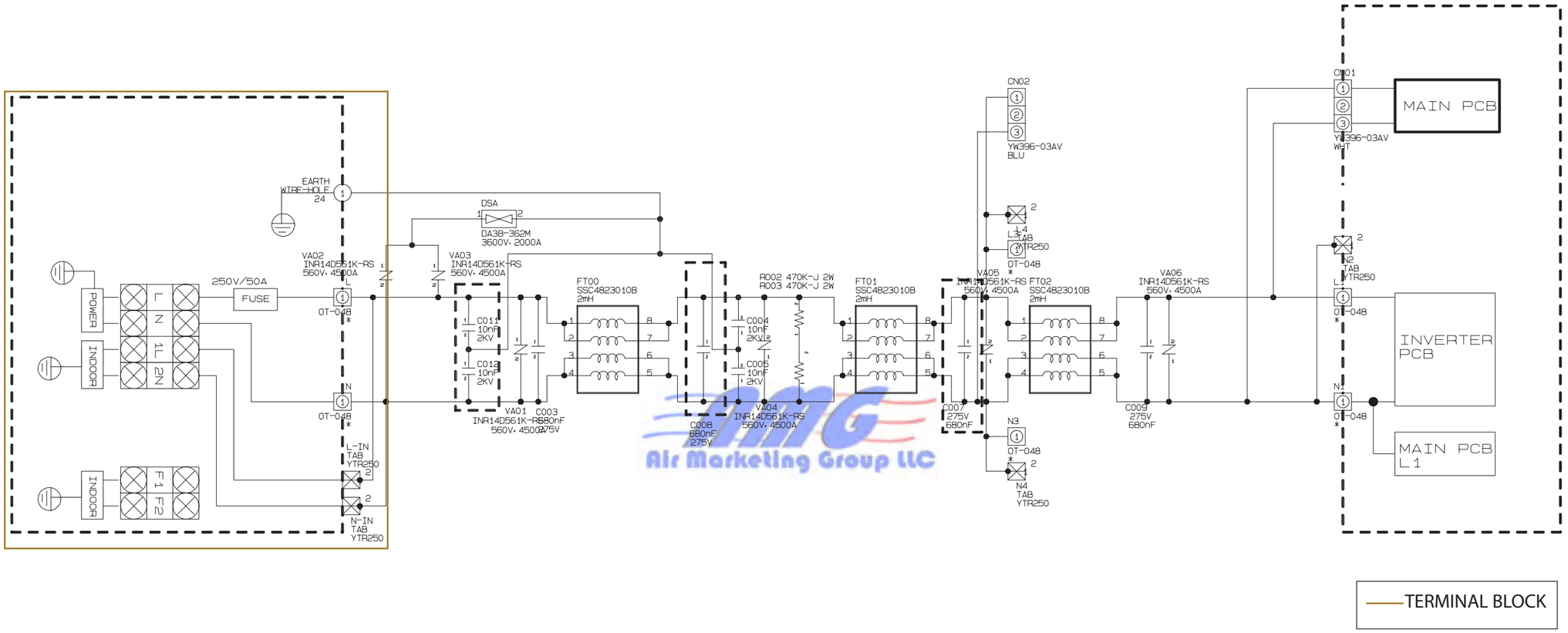


- SMPS
- RELAY DRIVE
- MICOM
- SENSOR
- 485 COMM
- EEV DRIVE
- EMI FILTER
- 3 PHASE A/C INPUT CHECK CIRCUIT
- LED etc KEY SCAN

■ INVERTER PCB

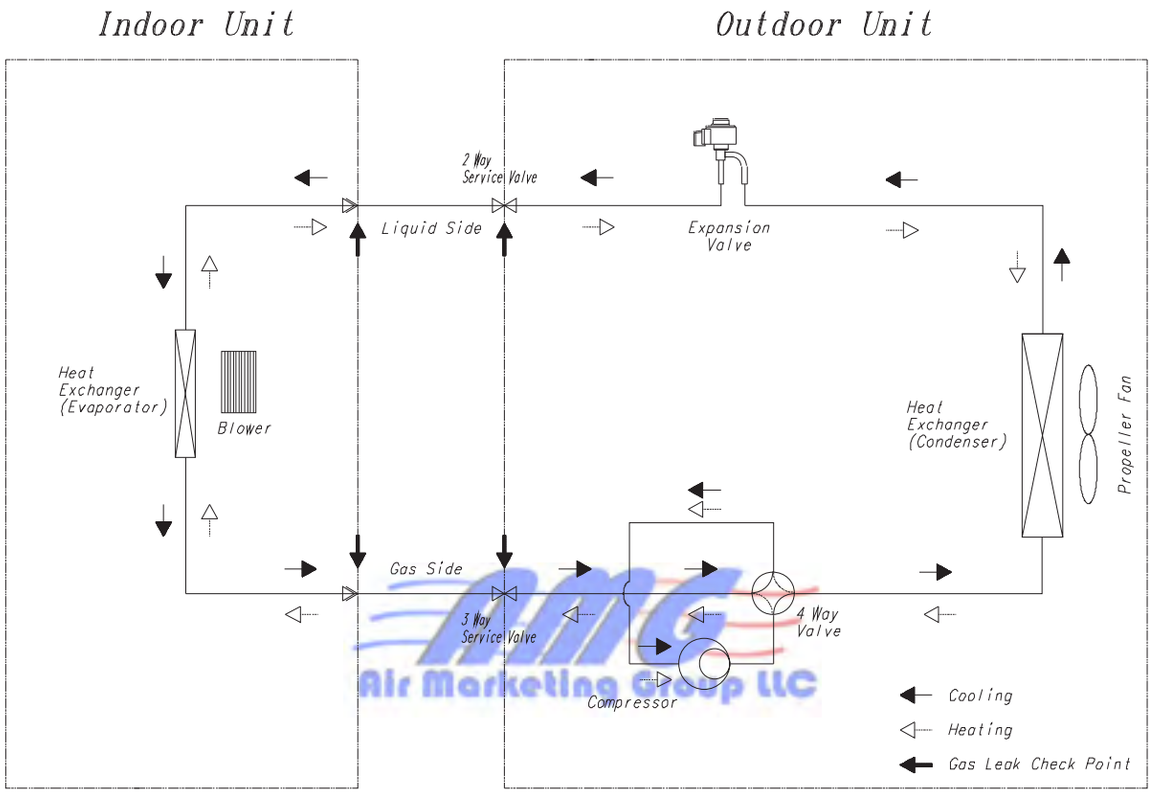


■ EMI PCB



9. Preference Sheet

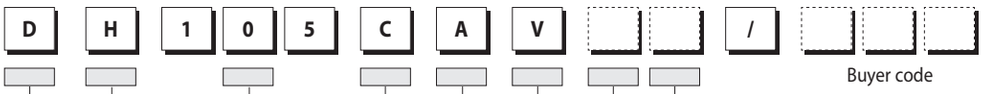
9-1 Refrigerating Cycle Diagram



9-2 Index of Model Name

✻ Project model code for New Built-in Product.

Model Code



Product Type(I)			
Indoor Unit & Outdoor Unit	Cassette	1-Way	K
		2-Way	G
		4-Way	C
		Mini 4-Way	T
	Duct	Silhouette	D
		HSP	H
		LSP	L
		Slim	E
		Buint-in	B
	Ceiling	-	F
	Console	-	N
	PAC	-	P
	Split	-	W
Universal Outdoor Unit(DPM)			U

Mode	
C/O	C
H/P	H
H/P+Heater	E
C/O+Heater	G
C/O+Hydronic	N

Capacity	
BTU	kwx10
9K	26
12K	35
14K	40
18K	52
21K	60
24K	70
28K	82
32K	94
36K	105
44K	128
48K	140
60K	175
72K	210
80K	230
96K	280

Power Supply		
Normal	N	H
115V,60Hz	A	-
220V,60Hz	B	TB
208~230V,60Hz	C	-
200~220V,50Hz	D	-
220~240V,50Hz	E	TE
220V,60Hz,3Φ	F	TF
380~415V,50Hz,3Φ	G	TG
127V, 50Hz	H	-
220~240V,50/60Hz,1Φ	M	-
380V,60Hz,3Φ	H	-
Inverter 1Φ	V	
Inverter 3Φ	W	

Refrigerant	
R-22	Z
R407C	C
R410A	A

Product Type(II)		
Normal	Indoor	A
	Outdoor	X
Universal (DPM)	Indoor	M
	Outdoor	M
Inverter		V

Version

Plant	
SEC	None
SSEC	C
TSE	T

SAMSUNG ELECTRONICS

GSPN(Global Service Partner Network)

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Asia	http://asia.samsungportal.com
Mideast & Africa	http://mea.samsungportal.com

Code No. DB98-29522A(1)