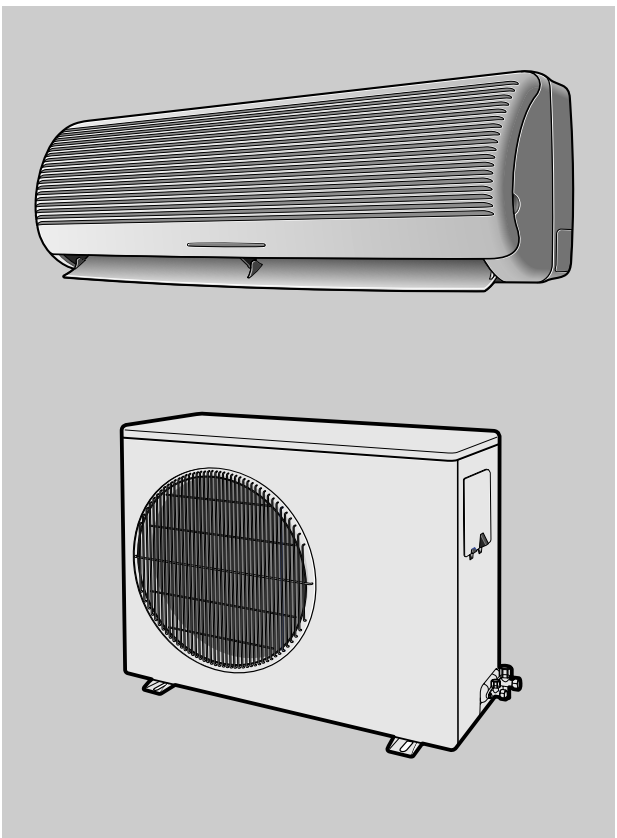
SAMSUNG

ROOM AIR CONDITIONER

INDOOR UNIT	OUTDOOR UNIT
AQ24A2QC	UQ24A2QC
AQ18A2QC	UQ18A2QC

SERVICE Manual

AIR CONDITIONER



CONTENTS

Ⓔ DB68-00276A(5)

1. Installation

1-1 Refrigerant Refill Procedure

• Refill an air-conditioner with refrigerant when refrigerant has been leaked at installing or using

1. Purge air(for new installation only).

2. Turn the 3-way valve clockwise to close, connect the pressure gauge(low pressure side) to the service valve, and open the 3-way valve again.

3. Connect the tank to refill with Refrigerant

4. Set the unit to cool operation mode.

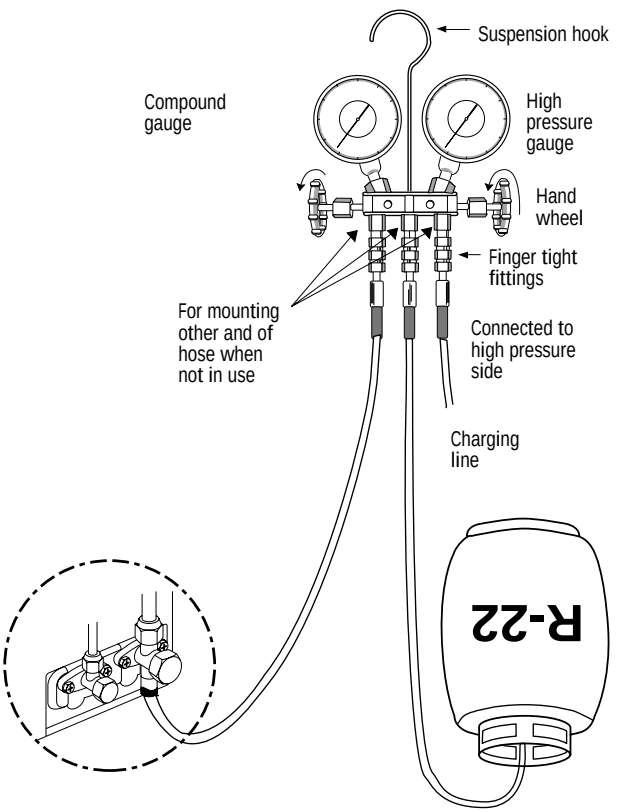
5. Check the pressure indicated by the pressure gauge(low pressure side).
   * Standard pressure is should be 4.5~5.5kg/cm^2 in a regular, high operation mode.

6. Open the refrigerant tank and fill with refrigerant until the rated pressure is reached.
   * It is recommended not to pour the refrigerant in too quickly, but gradually while operating a pressure valve.

7. Stop operation of the air conditioner.

8. Close the 3-way valve, disconnect the pressure gauge, and open the 3-way valve again.

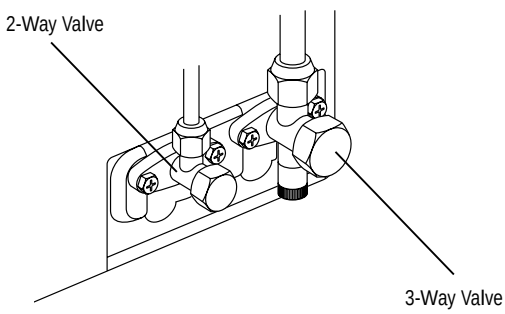
9. Close the cap of each valve.



1-2 “Pump down” Procedure

- Pump down' shall be carried out when an evaporator is replaced or when the unit is relocated in another area.

1. Remove the caps from the 2-way valve and the 3-way valve.
2. Turn the 3-way valve clockwise to close and connect a pressure gauge(low pressure side) to the service valve, and open the 3-way valve again.
3. Set the unit to cool operation mode.
   (Check if the compressor is operating.)
4. Turn the 2-way valve clockwise to close.
5. When the pressure gauge indicates "0" turn the 3-way valve clockwise to close.
6. Stop operation of the air conditioner.
7. Close the cap of each valve.



Relocation of the air conditioner

- Refer to this procedure when the unit is relocated.

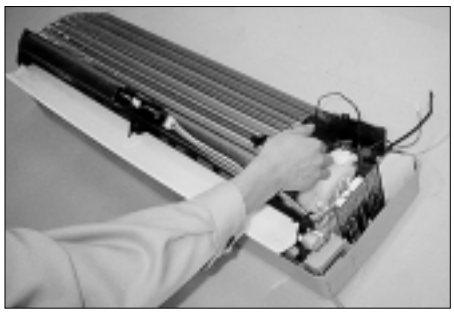
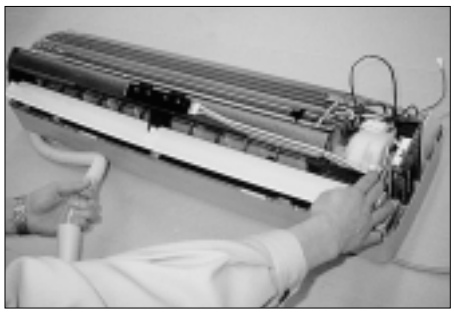
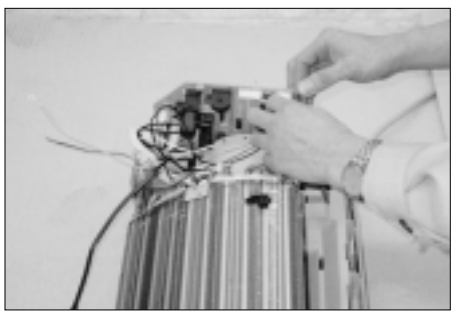
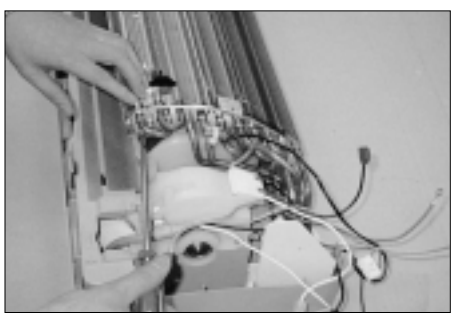
1. Carry out the pump down procedure (refer to the details of 'pump down').
2. Remove the power cable.
3. Disconnect the assembly cable from the indoor and outdoor units.
4. Remove the flare nut connecting the indoor unit and the pipe.
   At this time, cover the pipe of the indoor unit and the other pipe using a cap or vinyl plug to avoid foreign material entering.
5. Disconnect the pipe connected to the outdoor unit.
   At this time, cover the valve of the outdoor unit and the other pipe using a cap or vinyl plug to avoid foreign material entering.
6. Make sure you do not bend the connection pipes in the middle and store together with the cables.
7. Move the indoor and outdoor units to a new locatioon.
8. Remove the mounting plate for the indoor unit and move it to a new location.

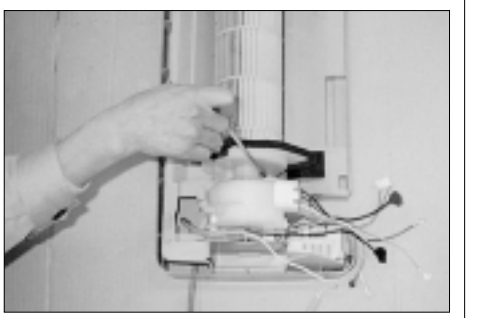
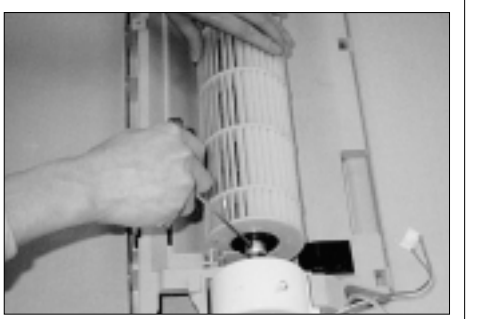
2. Disassembly and Reassembly

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

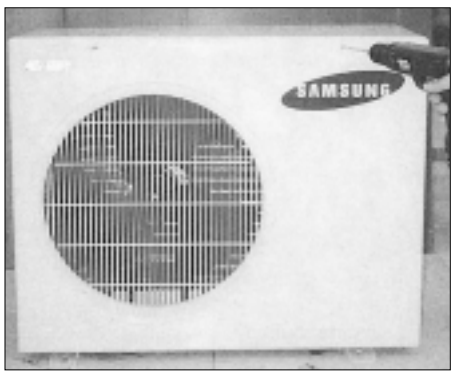
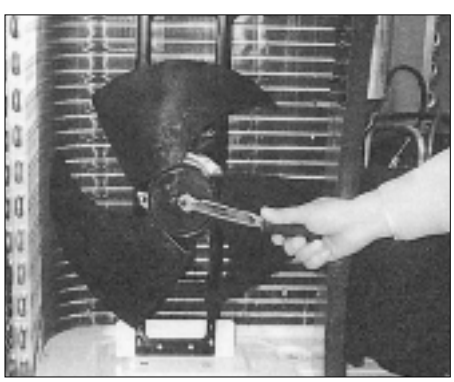
2-1 Indoor Unit

No	Parts	Procedure	Remark
1	Front Grille	1) Stop the air conditioner operation and block the main power. 2) Seperate tape of front panel upper.	
		3) Contract the second finger to the left, and right handle and pull to open the inlet grille. 4) Take the left and right filter out. * Take the Deadorizing and Electrostatic filter out. (ONLY “1” and “5” Series models)	
		5) Loosen one of the right fixing screw and seperate the terminal cover. 6) Loosen two fixing screws of front grille.	
		7) Pull the upper left and right of discharge softly for the outside cover to be pulled out.	
		8) Pull softly the lower part of discharge and push it up. **Caution;** Assemble the front panel and fix the hooks of left and right.	

No	Parts	Procedure	Remark
2	Ass'y Tray Drain.	1) Do "1", above. Separate the drain hose from the extension drain hose. 2) Take the display PCB out. (Center of indoor unit) 3) Loosen two fixing screws of left and right 4) Pull tray drain out from the back body.	 
3	Electrical Parts (Main PCB)	1) Do "1", "2", above 2) Take all the connector of PCB upper side out. (Inclusion Power cord) 3) Separate the outdoor unit connection wire from the terminal block. 4) If pulling the Main PCB up. it will be taken out. (Separate the TRANS hook. it before).	
4	Heat Exchanger	1) Do "1" and "2", "3", above 2) Loosen two fixing earth screws of right side. 3) Separate the connection pipe. 4) Separate the bush body at the upper side and holder at the rearside. 5) Loosen the two fixing screws of left side. 6) Lifting the heat exchanger up a little to push the up side for separation from the indoor unit.	 

No	Parts	Procedure	Remark
3	Fan Motor and Cross Fan	1) Do “1” “2” ”3” “4”, above. 2) Loosen the fixing three screws and separate the motor holder. 3) Loosen the fixing screw of fan motor. (By use of M3 wrench) 4) Separate the fan motor from the fan. 5) Separate the fan from the left holder bearing.	 

2-2 Outdoor Unit

No	Parts	Procedure	Remark
1	Cabinet	1) Turn off the unit and remove the power cable 2) Remove the top cover. 3) Remove the control box cover. 4) Unplug the ass'y cable. 5) Remove the cabi-side. 6) Remove the cabi-front. * When you assemble the parts, check if the each parts and electric connectors are fixed firmly.	
2	Fan Motor & Propeller Fan	1) Do Procedure 1 above. 2) Remove the nut flange. (Turn to the right to remove as it is a left turned screw) 3) Disassemble the propeller fan.	

3. Troubleshooting

3-1 Items to be checked first

1) Is the voltage of the power correct?
   The input voltage shall be the rating voltage ±10%.
   The airconditioner 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 6 cables.
   Check the terminals if the indoor unit and outdoor unit are properly linked by the same number of cables.
   Otherwise the airconditioner 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 airconditioner.

NO	Operation of air conditioner	Explanation
1	The COOL operation indication LED (Green) blinks when a power plug of the indoor unit is plugged in for the first time.	It indicates power is on. The LED stops blinking if the operation ON/OFF button on the remote control unit is pushed.
2	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 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
3	Fan speed setting is not allowed in AUTO or DRY mode.	The speed of the indoor fan is set to LL in DRY mode. Fan speed is 5 steps is selected automatically in AUTO mode.
4	Compressor stops operation intermittently in DRY mode.	Compressor operation is controlled automatically in DRY mode depending on the room temperature and humidity.
5	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 9 minutes (maximum) until the deice is completed.
6	Timer LED only of the indoor unit lights up and the air conditioner does not operate.	Timer is being activated and the unit is in ready mode. The unit operates normally if the timer operation is cancelled.
7	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.
8	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
9	The compressor stops intermittently in a COOL mode or DRY mode, and fan speed of the indoor unit decreases.	The compressor stops intermittently or the fan speed of the indoor unit decreases to prevent inside/outside air frozen depending on the inside/outside air temperature.

4) Indoor unit observes operation condition of the air conditioner, and displays self diagnosis details on the display panel.

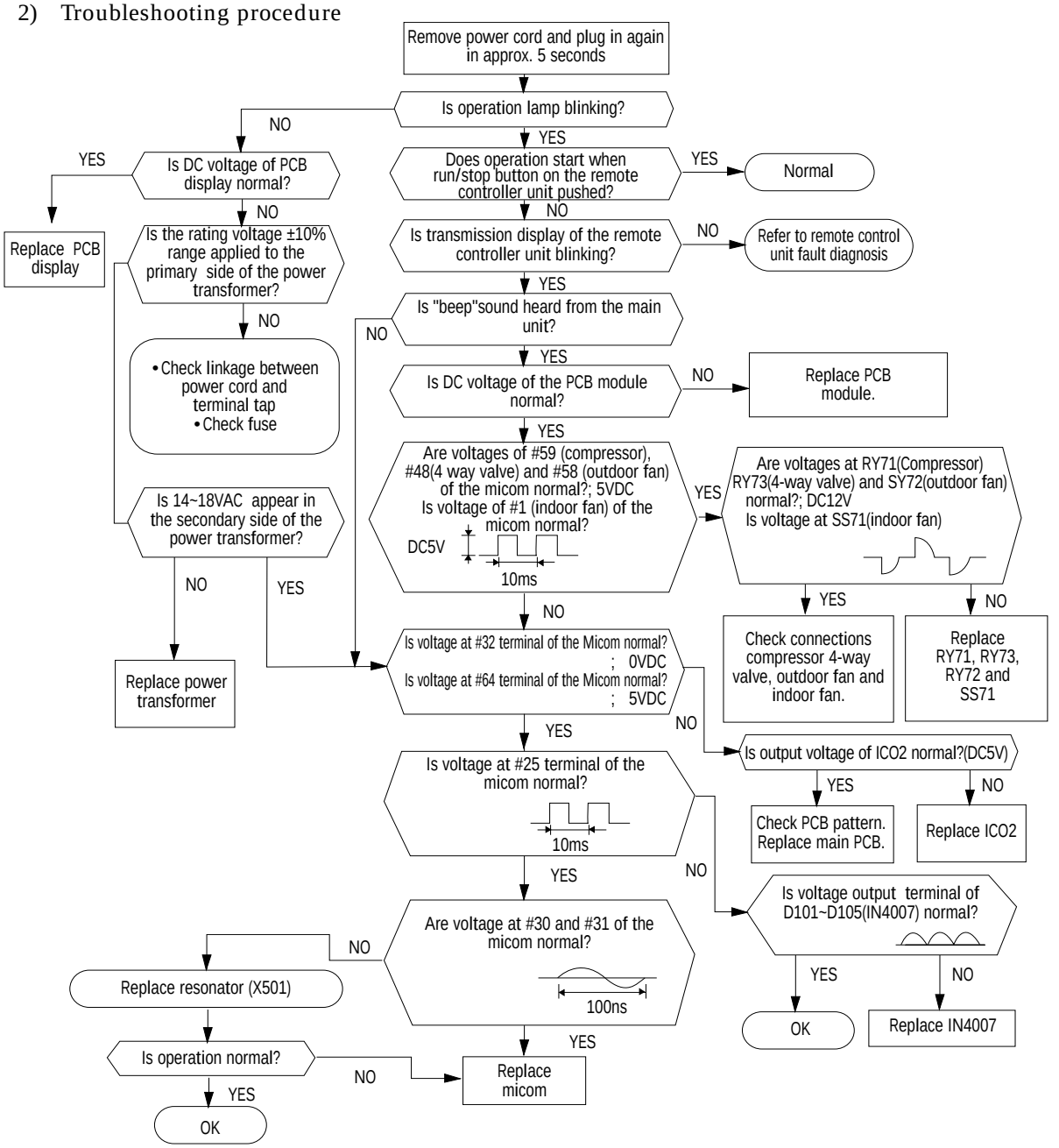
NO	Display	Self Diagnosis
1	Operating LED blinking (1Hz)	Restore from power failure (input initial power)
2	TIMER LED blinking (1Hz)	Indoor unit Room sensor Error (open or short)
3	OPERATING and TIMER LED blinking (1Hz)	Indoor unit heat exchanger temperature sensor Error (open or short)
4	FAN LED blinking (1Hz)	Indoor fan malfunctioning (for spead is Below 38Orpm)

3-2 Fault Diagnosis by Symptom

3-2-1 No Power(completely dead)-Initial diagnosis

1) Checklist :
   (1) Is input voltage normal? (rating voltage ±10% range)
   (2) Is AC power linked correctly?
   (3) Are connections between primary side, secondary side of the power transformer and PCB good.
   (4) Is output voltage of DC regulator IC KA7812 (IC01) normal? (11VDC-12.5VDC)
   (5) Is output voltage of DC regulator IC KA7805 (IC02) normal? (4.5VDC-5.5VDC)

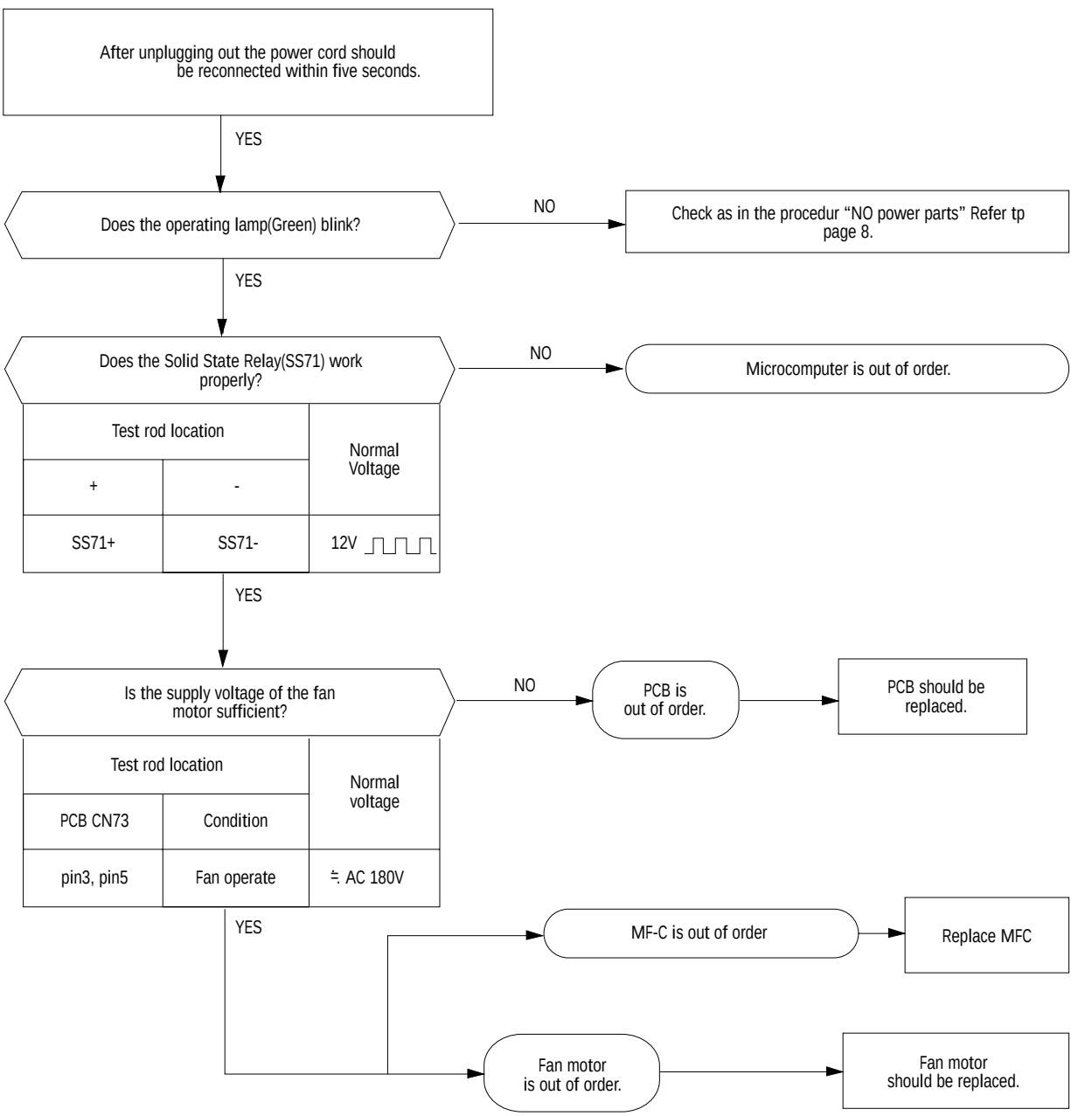
2) Troubleshooting procedure



3-2-2 When the Indoor Unit Fan Does Not Operate. (Initial Diagnosis)

1) Checklist :
   (1) Is the indoor unit fan motor properly connected with the connector (CN73)?
   (2) Is the AC voltage correct?
   (3) Is HALL IC in indoor fan motor properly connected with the connector (CN43)?
   (4) Is the running capacitor properly connected with the solder part of the PCB?

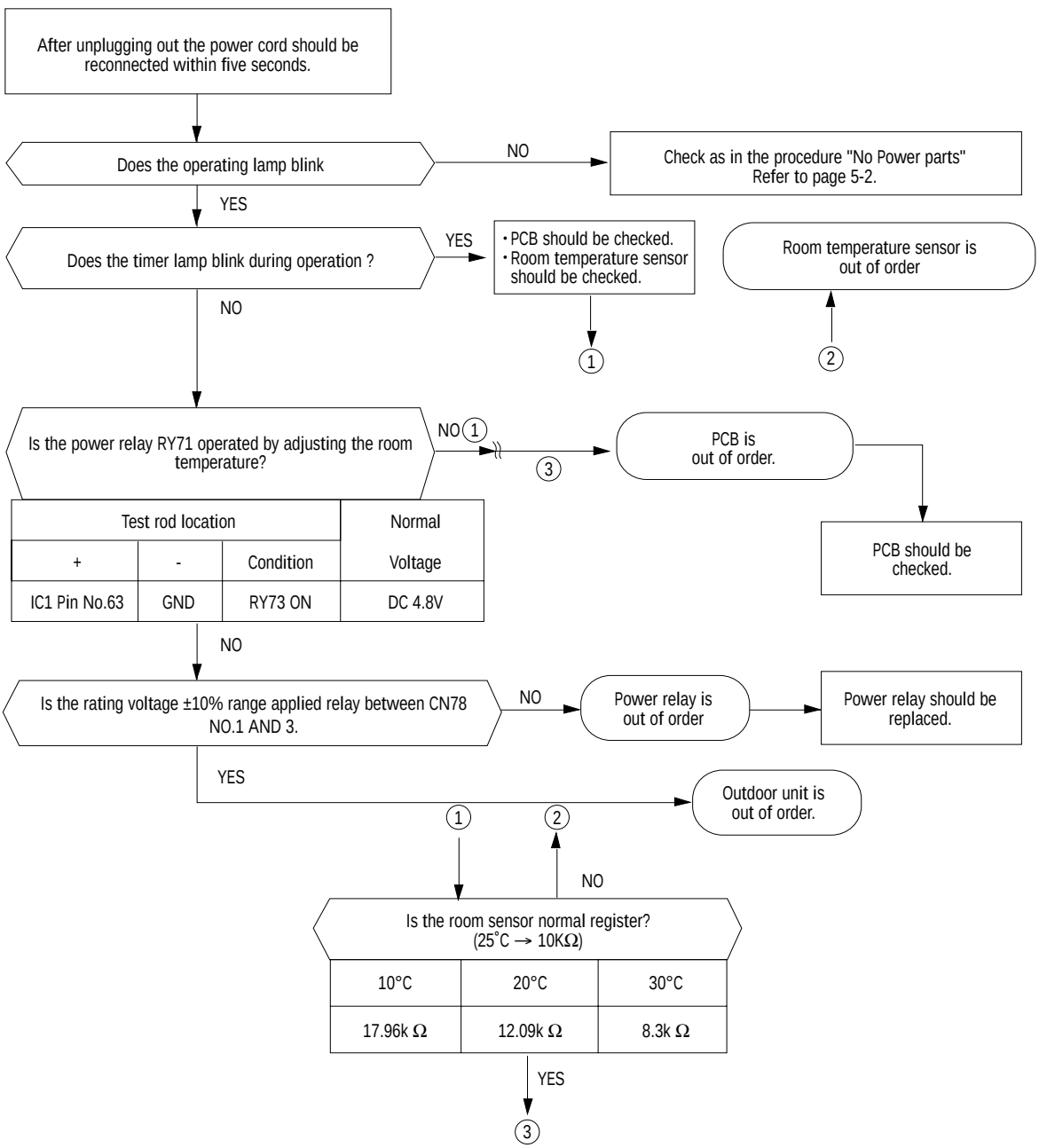
2) Troubleshooting procedure



3-2-3 When the Outdoor Unit Does Not Operate. (Initial Diagnosis)

1) Checklist :
   (1) Is input voltage normal?(rating voltage ±10% range)
   (2) Is the set temperature of the remote control higher than room temperature in COOL mode?
   (3) Is the set temperature of the remote control lower than room temperature in HEAT mode?
   (4) Is the POWER IN connector (CN78) linked correctly?
   (5) Is the outdoor unit properly connected with the TERMINAL BLOCK connector(7P)?

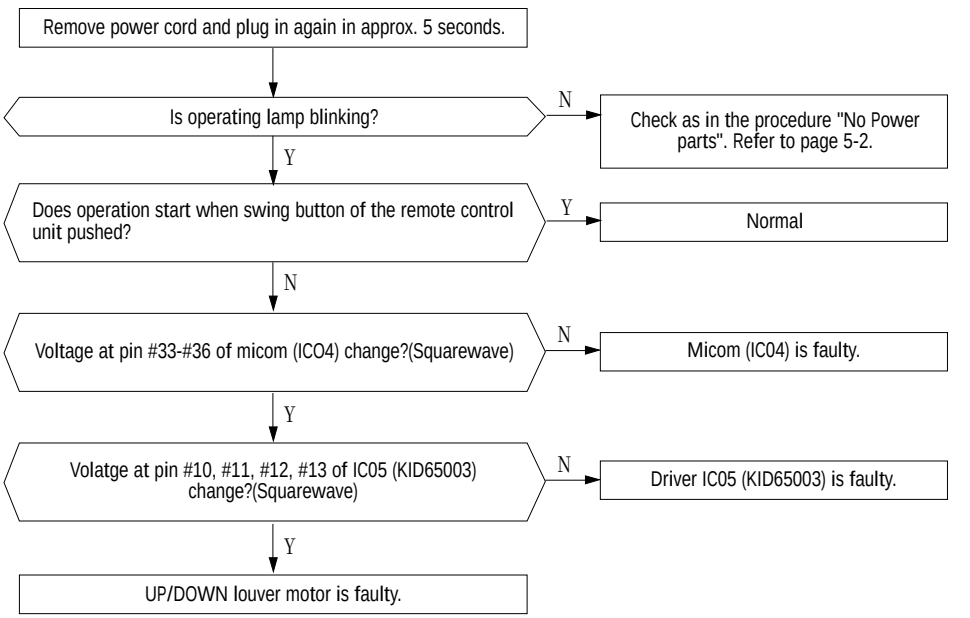
2) Troubleshooting procedure



3-2-4 When the UP/DOWN Louver Motor Does Not Operate. (Initial Diagnosis)

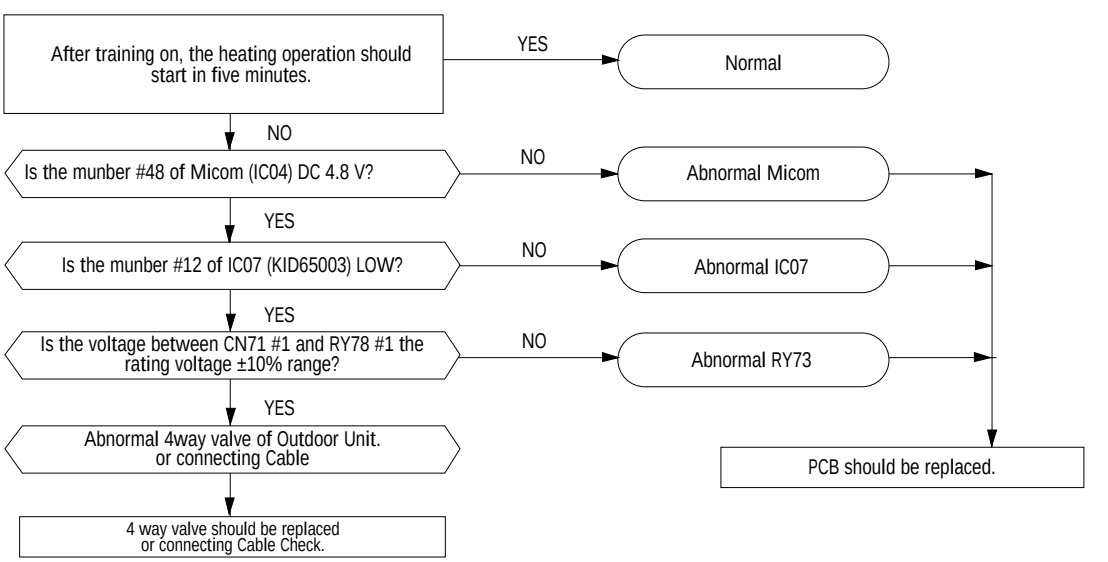
1) Checklist :
   (1) Is input voltage normal? (rating voltage ±10% range)
   (2) Is the UP / DOWN louver motor properly connected with the connector (CN61)?

2) Troubleshooting procedure



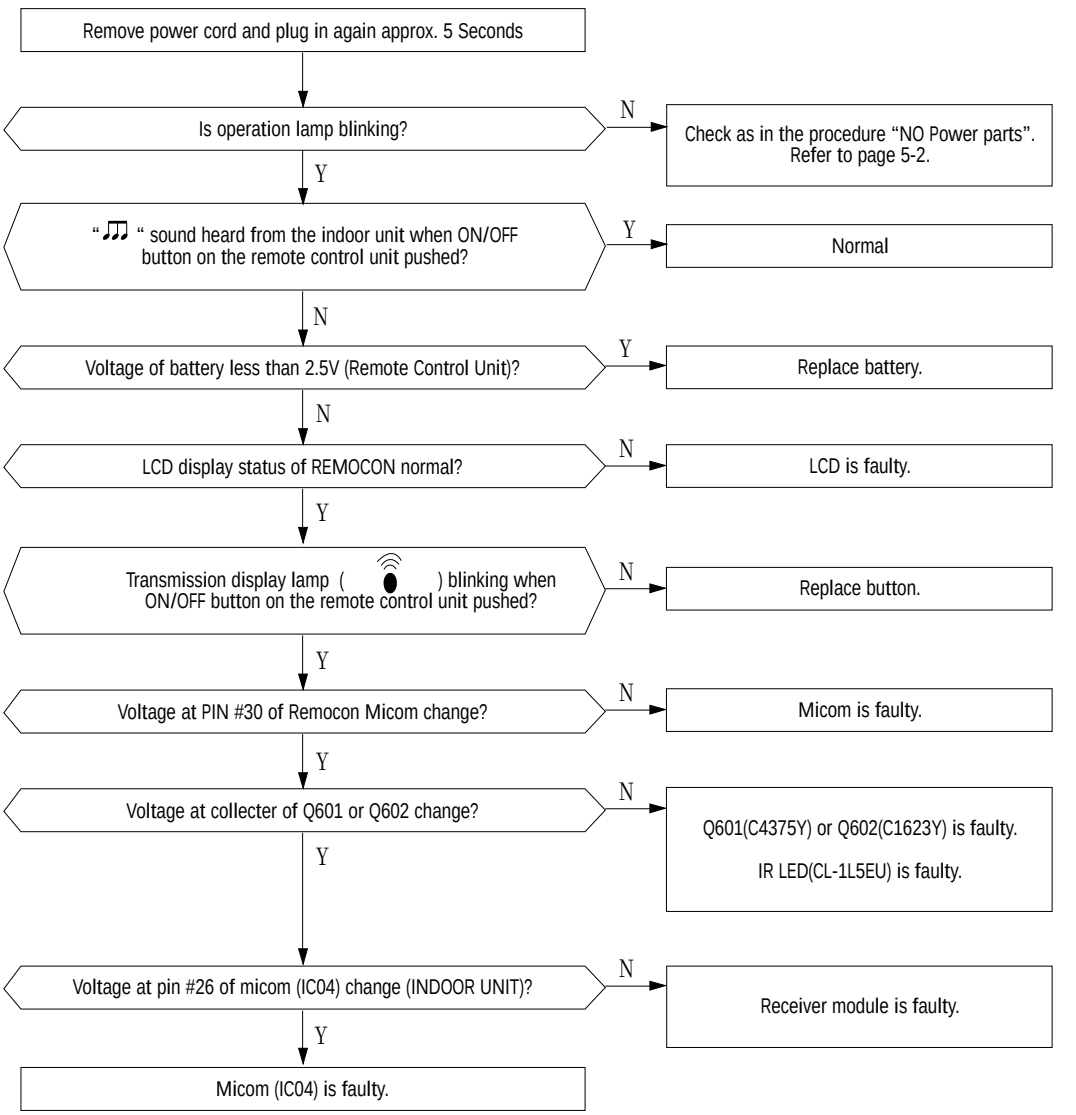
3-2-5 In the mode, When there is no warm air current. Check this first;

(1) Is the set temperature of Remote Control lower than room temperature in Heat mode?
(2) Is the Indoor PCB properly connected with the CN71 and CN78 connector?



3-2-6 If Operation By Remote Control Unit Is Impossible. (Initial Diagnosis)

1) Troubleshooting procedure



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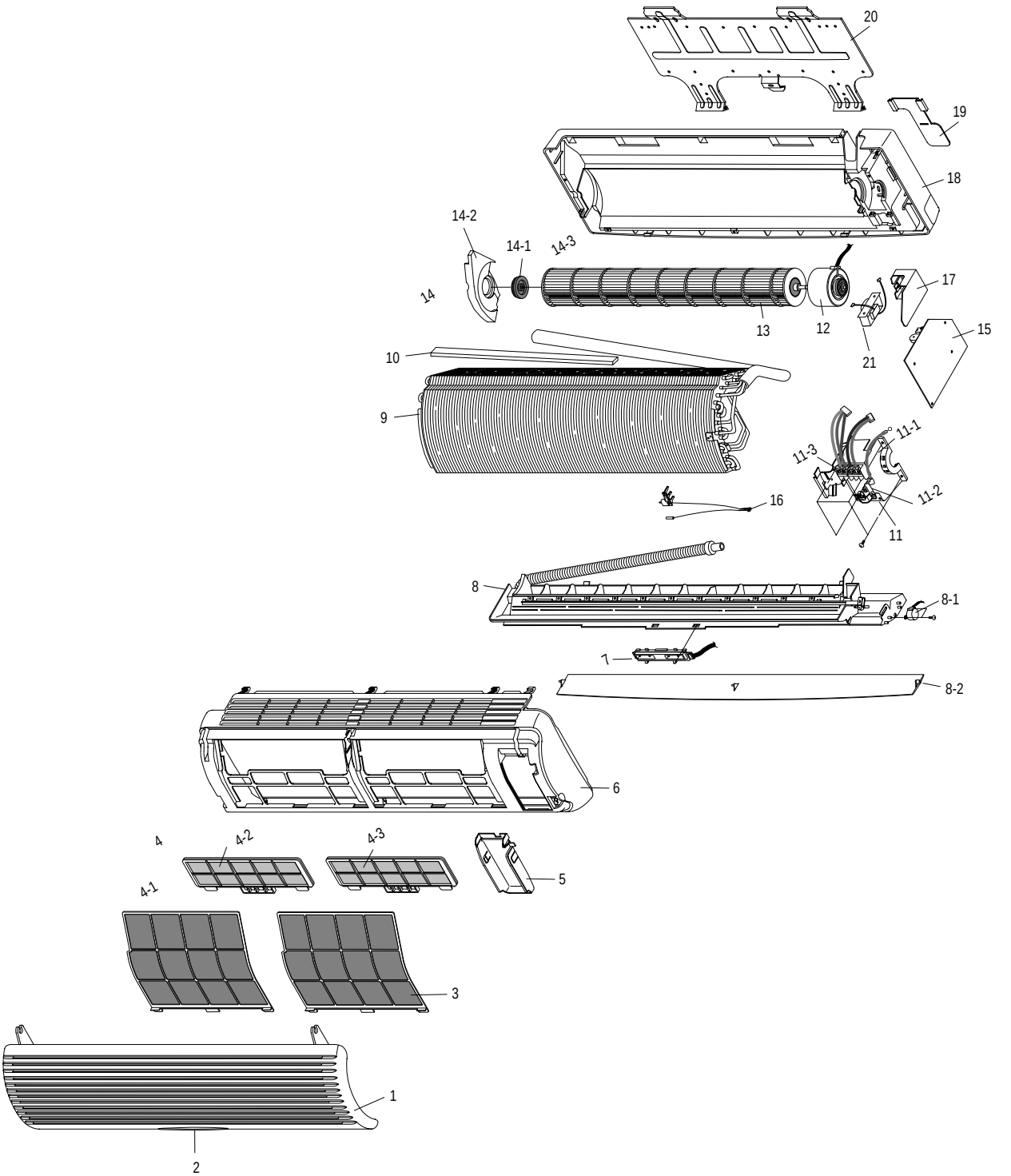
4. Exploded Views and Parts List

4-1 Indoor Unit

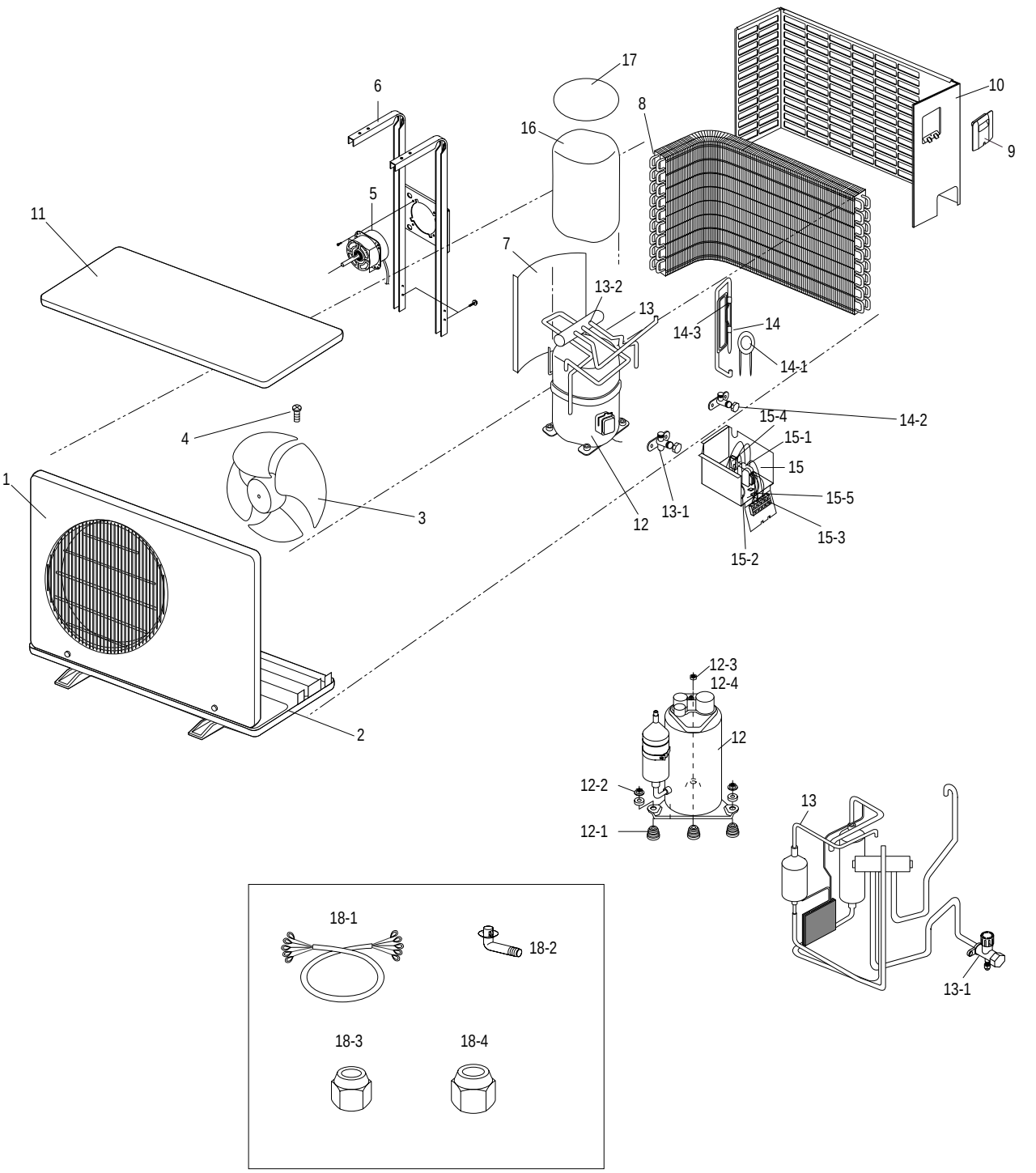


■ Parts List

No.	CODE NO	Description	Specification	Q'TY		Remark
				AQ24A2QC	AQ18A2QC	
1	DB64-10173A	GRILLE AIR INLET	HIPS	1	1	
2	DB64-70108A	PANEL CENTER DISPLAY	PC	1	1	
3	DB63-30150A	GUARD AIR FILTER	PP	2	2	
4	DB74-10101A	CLEANER FILTER ASS'Y	ASS'Y	1	1	
4-1	DB61-10164C	CASE-CLEANER FILTER	PP	2	2	
4-2	DB74-10082B	CARBON FILTER	POLYESTER/CARBON	1	1	
4-3	DB74-10081A	CLEANER FILTER	POLYESTER/COTTON	1	1	
5	DB63-10466A	COVER TERMINAL	ABS(V0)	1	1	
6	DB92-70095C	ASS´Y FRONT PANEL	HIPS	1	1	
7	DB93-10599C	ASS´Y PCB DISPLAY	AS24A1QE/B	1	1	
8	DB94-10083H	ASS´Y TRAY DRAIN	ASS'Y	1	1	
8-1	DB31-10153B	ASS´Y STEPING MOTOR	MSFCC20A03	1	1	
8-2	DB66-30181A	BLADE-H	HIPS	1	1	
9	DB75-40087G	ASS´Y EVAP	PLATE1.2(5/8")	1	-	
	DB75-40087H	ASS´Y EVAP	SLiT1.5(1/2")	-	1	
10	DB67-00058A	SPACER-EVAP	PVC	1	1	
11	DB90-40162E	ASS´Y HOLDER MOTOR	ASS'Y	1	1	
11-1	DB61-40264A	HOLDER MOTOR	PP(Vo)	1	1	
11-2	DB65-10108A	CLIP EARTH WIRE	SECC	1	1	
11-3	DB65-40063A	TERMINAL BLOCK ASS´Y	5P,25A	1	1	
12	DB31-10151B	MOTOR FAN IN	IC-9430SKF6A	1	1	
13	DB94-30162A	ASS´Y-C-F-FAN	ø95 x L	1	1	
14	DB90-40135B	ASS´Y HOLDER BEARING	ASS'Y	1	1	
14-1	DB94-40003A	RUBBER BEARING	CR	1	1	
14-2	DB61-40244A	HOLDER BEARING	PP	1	1	
14-3	DB94-40007A	BEARING	PG5	1	1	
15	PD-Q24B1Q-02	ASS´Y MAIN PCB	PD-Q24B1Q-02	1	-	
	PD-Q24B1Q-05	ASS´Y MAIN PCB	PD-Q24B1Q-05	-	1	
16	DB32-10008E	ASS´Y-TERMISTOR	103AT	1	1	
17	DB61-10163A	CASE CONTROL	ABS(VO)	1	1	
18	DB94-20037C	ASS´Y BACK BODY	HIPS	1	1	
19	DB90-00163A	HOLDER PIPE	PP	1	1	
20	DB70-10663A	PLATE HANGER	SGCC-M	1	1	
21	DB26-10065B	TRANSFORMER	AC230V / DC17V	1	1	

4-2 Outdoor Unit

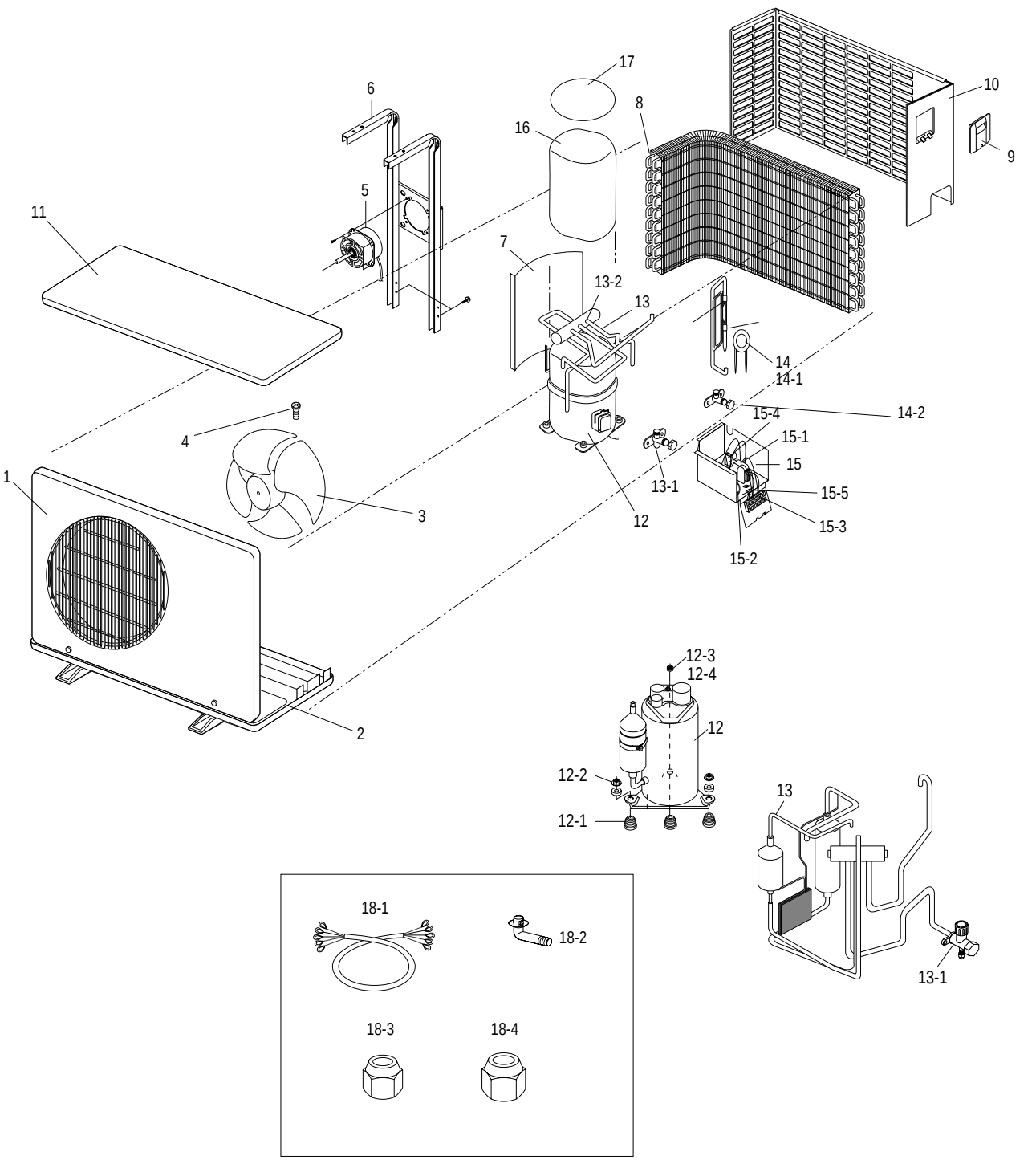
4-2-1 UQ18A2QC



■ Parts List(18K)

No.	CODE NO	Description	Specification	Q'TY	Remark
				UQ18A2QC	
1	DB90-00033A	ASS'Y-WELD FRONT	SC-90073T	1	
2	DB90-20160D	ASS'Y-BASE OUT	SC-90073T	1	
3	DB67-50063A	ASS'Y-FAN	AS+G/F20%	1	
4	DB60-30020A	NET FLANGE	M6LF	1	
5	DB31-10119H	MOTOR FAN OUT	ASS035ZTEE	1	
6	DB61-20008C	BASE-MOTOR	SGCC-M	1	
7	DB94-50034A	PARTITION	SGCC-M	1	
8	DB75-30103E	ASS'Y-CONDENSER	ASS'Y	1	
9	DB90-40176B	COVER-CONTROL	ABS	1	
10	DB64-60172B	ASS'Y-CABi BACK	SC-90073T	1	
11	DB90-40124A	TOP COVER	SC-90073T	1	
12	48B190IV1EH	COMPRESSOR	48B190IV2E7	1	
12-1	DB73-10004A	GROMMET ISOLATOR	EPDM	3	
12-2	DB60-30028A	NUT WASHER	M8	3	
12-3	DB60-30018A	NUT FLANGE	PIO.8	1	
12-4	DB63-10165D	COVER TERMINAL	NORYL	1	
13	DB99-00018A	ASS'Y-4WAY V/V	ASS'Y	1	
13-1	DB62-40074C	PACKED V/V 1/2"	10LT/MIN	1	
13-2	DB62-40036A	4WAY V/V	CHV-0201	1	
14	DB99-10136A	ASS'Y-CHECK V/V	ASS'Y	1	
14-1	DB62-31800B	TUBE CAPI(C)	C1220T-0	1	
14-2	DB62-40039B	PACKED V/V 1/4"	1/4 INCH	1	
14-3	DB62-31802B	TUBE CAPI(H)	C1220T-0	1	
15	DB93-00110A	ASS'Y CONTROL OUT	ASS'Y	1	
15-1	DB34-90057A	SWITCH MAGNET	45CG20ALB	1	
15-2	2501-001139	CAPACITOR DUAL	40/2.5, 450V	1	
15-3	DB65-40022D	TERMINAL BLOCK	7P/20A	1	
15-4	DB95-90026B	SPARK KILLER		1	
15-5	3601-000236	FUSE	2A,250V	1	
16	DB72-50537A	CLOTH SOUND	-	1	
17	DB72-50544A	CLOTH SOUND UP	-	1	
18-1	DB93-00113A	CONNECTOR WIRE	5P	1	
18-2	DB67-20011A	DRAIN PLUG OUT	PP	1	
18-3	DB60-30010A	NUT FLANGE 1/4"	C3771BD	1	
18-4	DB60-30010C	NUT FLANGE 1/2"	C3771BD	1	

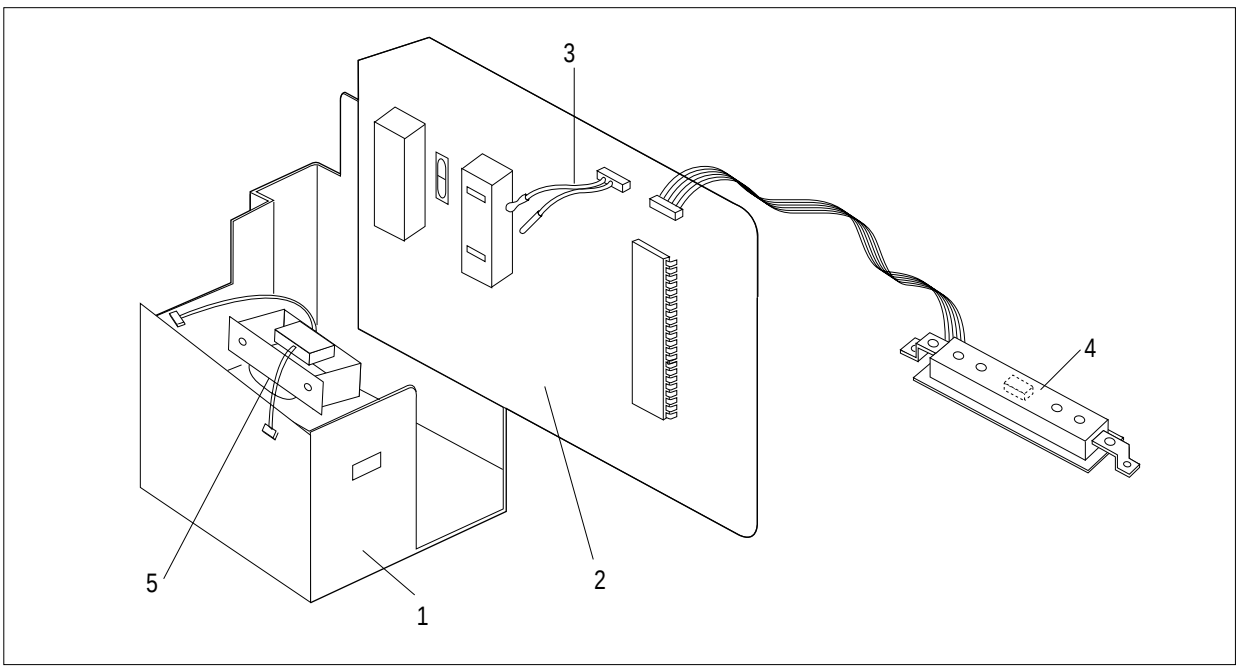
4-2-2 UQ24A2QC



■ Parts List

No.	CODE NO	Description	Specification	Q'TY	Remark
				UQ24A2QC	
1	DB90-10634A	ASS'Y CABI FRONT	SC-90073T	1	
2	DB90-20210A	ASS'Y-BASE OUT	SC-90073T	1	
3	DB67-50074A	ASS'Y-FAN	AS+G/F20%	1	
4	DB60-20020A	BOLT SPECIAL	M8 L25	1	
5	DB31-10110E	MOTOR FAN OUT	OSME-716SRC	1	
6	DB95-20147A	ASS'Y-MOTOR B/K	SGCC-M	1	
7	DB94-50039A	PARTITION	SGCC-M	1	
8	DB75-30102E	ASS'Y-CONDENSER	ASS'Y	1	
9	DB90-40176B	COVER-CONTROL	ABS(V5)	1	
10	DB64-60160B	CABI SIDE OUT	SC-90073T	1	
11	DB90-10616A	TOP COVER	SC-90073T	1	
12	DB95-10339C	COMPRESSOR	H25B26QABCA	1	
13	DB99-10149B	ASS'Y-4WAY V/V	ASS'Y	1	
13-1	DB62-40055F	PACKED V/V5/8"	20LT/MIN	1	
13-2	DB62-40036A	4WAY V/V	CHV-0201	1	
14	DB99-10138E	ASS'Y-CHECK V/V	ASS'Y	1	
14-1	DB62-31798E	TUBE CAPI(C)	C1220T-0	1	
14-2	DB62-40039C	PACKED V/V 1/4"	1/4 INCH	1	
14-3	DB62-31802B	TUBE CAPI(H)	C1220T-0	1	
15	DB93-40735D	ASS'Y CONTROL OUT	ASS'Y	1	
15-1	DB34-90054B	SWITCH MAGNET	41NB21AL	1	
15-2	2501-001152	CAPACITOR DUAL	3.0/35μFx450VAC	1	
15-3	DB65-40022D	TERMINAL BLOCK	7P	1	
15-4	DB95-90026B	SPARK KILLER	-	1	
15-5	3601-000236	FUSE	2A,250V	1	
16	DB72-50615A	CLOTH SOUND COMP	-	1	
17	DB72-50614A	CLOTH SOUND UP	-	1	
18-1	DB93-00113A	CONNECTOR WIRE	5P	1	
18-2	DB67-20011A	DRAIN PLUG OUT	PP	1	
18-3	DB60-30010A	NUT FLANGE 1/4"	C3771BD	1	
18-4	DB60-30010D	NUT FLANGE 5/8"	C3771BD	1	

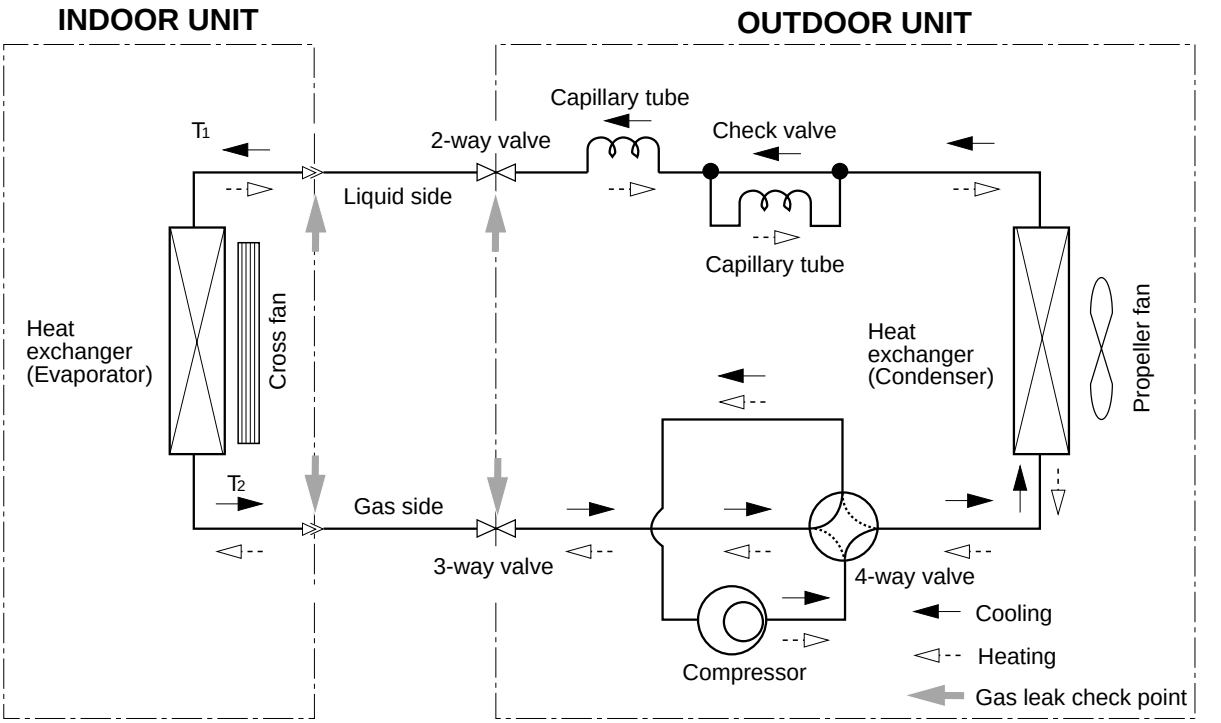
4-3 PCB Box



■ Parts List

No.	CODE NO	Description	Specification	Q'TY		Remark
				AQ24A2QC	AQ18A2QC	
1	DB61-10151A	CASE-CONTROL	PP	1	1	
2	DB93-10545C	ASS'Y MAIN PCB	PD-Q24B1Q-02	1	-	
	DB93-10555C	ASS'Y MAIN PCB	PD-Q24B1Q-05	-	1	
3	DB32-10008E	ASS'Y THERMISTOR	103AT	1	1	
4	DB93-10599B	ASS'Y PCB DISPLAY	ASS'Y(edge)	1	1	
5	DB26-10065B	TRANSFORMER	AC230V/DC17	1	1	

5. Refrigerating Cycle block Diagram

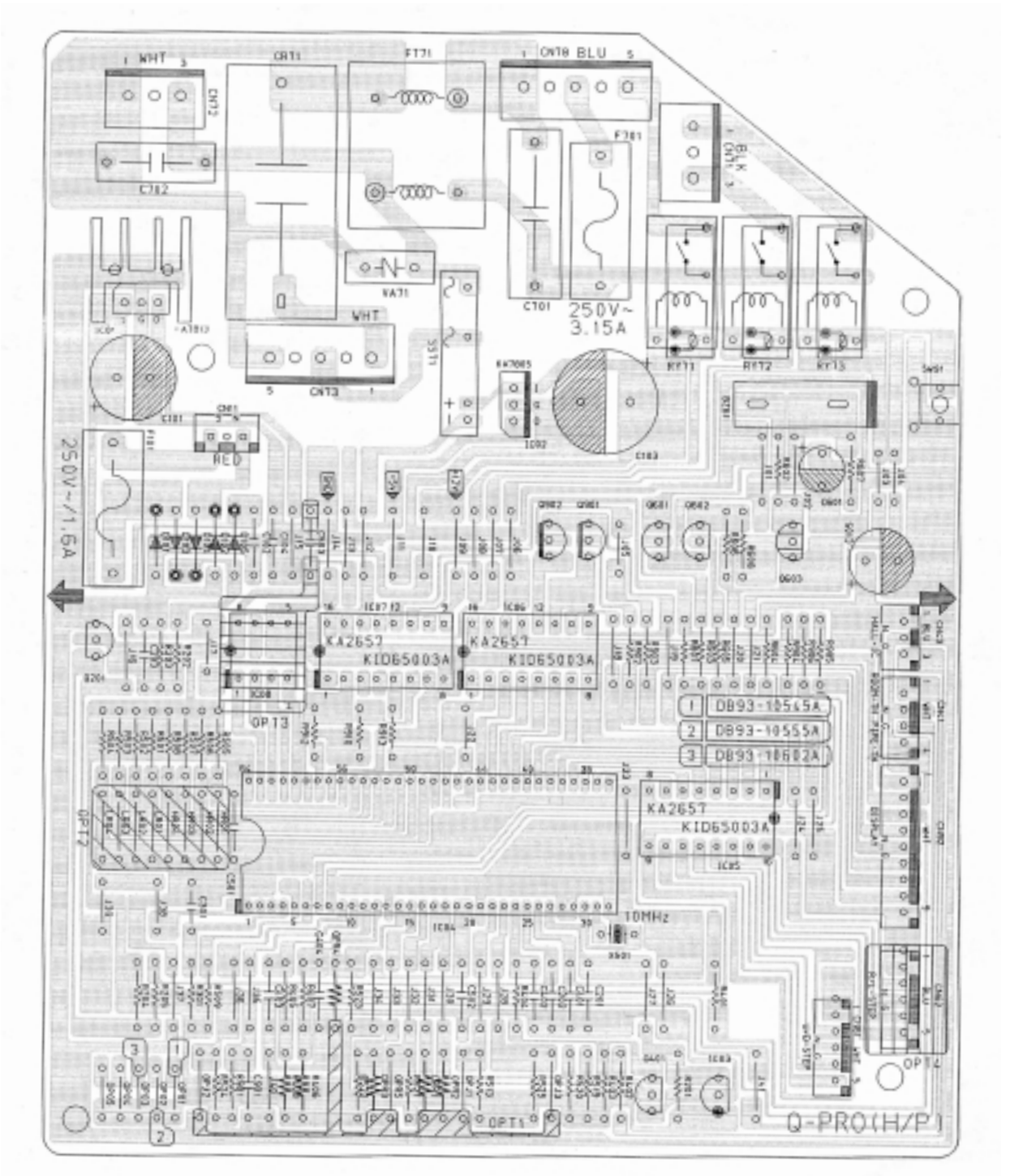


Refrigerating cycle temperature and pressure

Model	Operating Condition		STD Pressure (psi) 3-WAY Valve	Piping Temp.(˚F)		Use Temp. Condition (°F)			
				T1	T2	Indoor		Outdoor	
						DB	WB	DB	WB
AQ24A1QC	Cooling	Standard	57-71	46-54	46-54	80	67	95	75
		Max over load	-	-	-	80	67	115	75
		Low temp	-	-	-	67	57	67	57
	Heating	Standard	312-340	97-117	154-169	70	60	47	43
		Max over load	-	-	-	80	-	75	65
		Deice	-	-	-	70	60	35	33
AQ18A1QC	Cooling	Standard	64-78	50-54	50-54	80	67	95	75
		Max over load	-	-	-	80	67	115	75
		Low temp	-	-	-	67	57	67	57
	Heating	Standard	270-299	100-107	149-158	70	60	47	43
		Max over load	-	-	-	80	-	75	65
		Deice	-	-	-	70	60	35	33

6. PCB Diagrams

6-1 Main PCB(DB93-10545C):AQ24A2QC
(DB93-10555C):AQ18A2QC

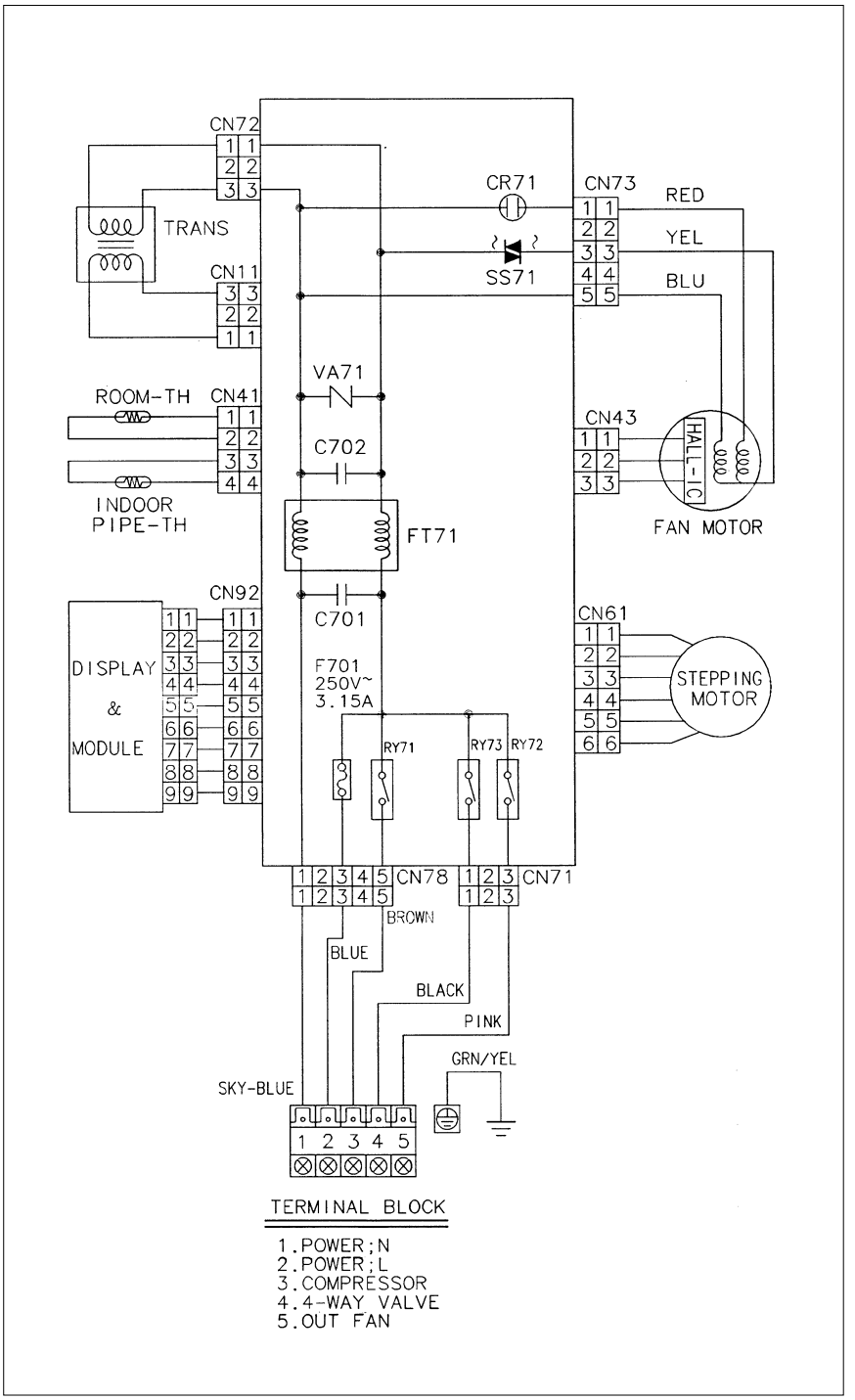


■ Parts List

No.	CODE NO	Description	Specification	Specification
1	F701	DE32-10037A	FUSE	FST 250V 3.15A
2	F701,F101	DE47-40024A	HOLDER-FUSE	FH-51H 7.5A
3	IC01	DE13-20008A	IC-VOLT REGU	KA7812A
4	IC01	DE62-30032A	HEAT-SINK	AL H25
5	IC01	DE60-10100A	SCREW-PH	M3*6 FeFzY
6	IC02	DE13-10016A	IC-VOLT REGU	KA7805A
7	CR71		C-FILM	CQS 450V 1.2µF
8	FT71		FILTER NOISE	LSAO5230P 250V~2A 23mH*2
9	R903,904,905,906	2001-000776	R-CARBON	RD 1/2 T(S) 621-J
10	R203	2001-000588	R-CARBON	RD 1/4 TP 332-J
11	R202,301,409,501~509,513,519~525,601,604,606,902	2001-000065	R-CARBON	RD 1/4 TP 103-J
12	R405,407	2001-000036	R-CARBON	RD 1/4 TP 331-J
13	R201,204,405,401,402,404,603,606,608	2001-000042	R-CARBON	RD 1/4 TP 102-J
14	R607	2001-000855	R-CARBON	RD 1/4 TP 560-J
15	R602	2001-001088	R-CARBON	RD 1/2 T(S) 102-J
16	R403	2001-000890	R-CARBON	RD 1/4 TP 682-J
17	R910,912,913	A1000-0244	R-CARBON	RD 1/8 TP 332-J
18	R406,408	2004-001137	R-METAL FILM	RD 1/4 TP 682-F
19	D101~105	0402-000137	DIODE-RECT	1N4007
20	SS71	B4190-0016	THYRISTOR	G3MB-202PL
21	BZ61	DE30-20016A	BUZZER	CBE 2220BA STICK
22	C202,402	2202-000783	C-CERAMIC	CA OA 50V 103Z
23	C301,401	2202-000796	C-CERAMIC	CA OA 50V 102Z
24	C102,104,201,203,403,404,501,502,902	2202-000780	C-CERAMIC	CA OA 50V 104Z
25	C103	2401-000710	C-ELEC	CE04 25V 222-M
26	C105	2401-001397	C-ELEC	CE 04 25V 471-M
27	C101	2401-000180	C-ELEC	CE 04 35V 102-M
28	C601	2401-001573	C-ELEC	47/50V
29	IC04	DE09-10149A	IC-MCU	MB89635R-466
30	IC03	DE13-20009A	IC	KA7533Z
31	X501	2802-000103	RSONATOR-CERAMIC	10MHz
32	IC05,IC06,IC07	DE13-20024A	IC-DRIVE	KID65003AP
33	Q201,401,601,602	A4050-0168	TR-GENERAL	KSC945Y
34	Q603	0501-000292	TRANSISTOR	A708Y
35	Q902, Q901	0504-000144	TRANSISTOR	R2002
36	SW91	3404-001013	SWITCH-TACT	KPT-1115V
37	CN73	3711-000262	CONNECTOR WAFER	YW396-05AV WHT
38	CN43	3711-000879	CONNECTOR WAFER	SMW250-03 BLU
39	CN41	3711-000940	CONNECTOR WAFER	SMW250-04 WHT
40	CN61	3711-001038	CONNECTOR WAFER	SMW250-06 WHT
41	CN62	3711-001036	CONNECTOR WAFER	SMW250-06 BLUE
42	CN71		CONNECTOR WAFER	YW396-03AV BLK
43	CN92	3711-001154	CONNECTOR WAFER	SMW250-09 WHT
44	RY72,RY72,RY71	B3068-0092	RELAY	JQ1a-12V
45	J1~J35, HR01~HR04, LR01~LR04, OPJ1, OPJ2, OPJ3	DE39-60001A	WIRE SO COPER	PI0.6 SN T 52MM
46	CN72		CONNECTOR WAFER	YW396-03AV WHT
47	CN11		”	SMW250-03 RED
48	F101	DB47-90053A	FUSE	FST 250V~2A
49	IC08		EEORIM	93C5L
50	R903		R-CARBON	RD 1/2T(S) 471-J
51	C701	2305-001027	C-FILM, MPEF	224K
52	C702		”	104K

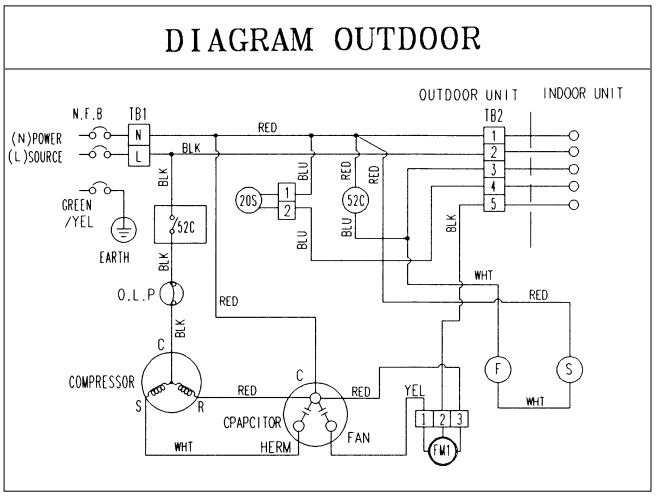
7. Wiring Diagrams

7-1 Indoor Unit



7-2 Outdoor Unit

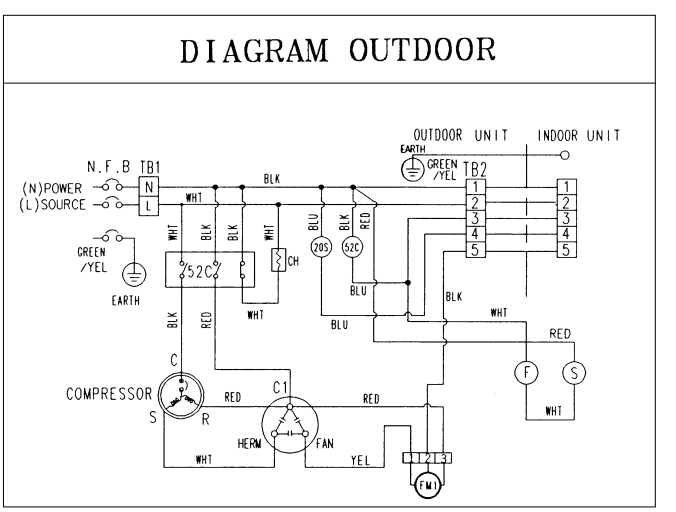
■ UQ18A2QC



MARK	NAME	MARK	NAME
52C	MAGNETIC CONTACTOR	TB 1, 2	TERMINAL BLOCK
20S	SOLENOID COIL	FM1	FAN MOTOR
F	FUSE(2A, 250V~)	S	SPARK KILLER

CAPACITOR	2.5/40MF X 450VAC

■ UQ24A2QC

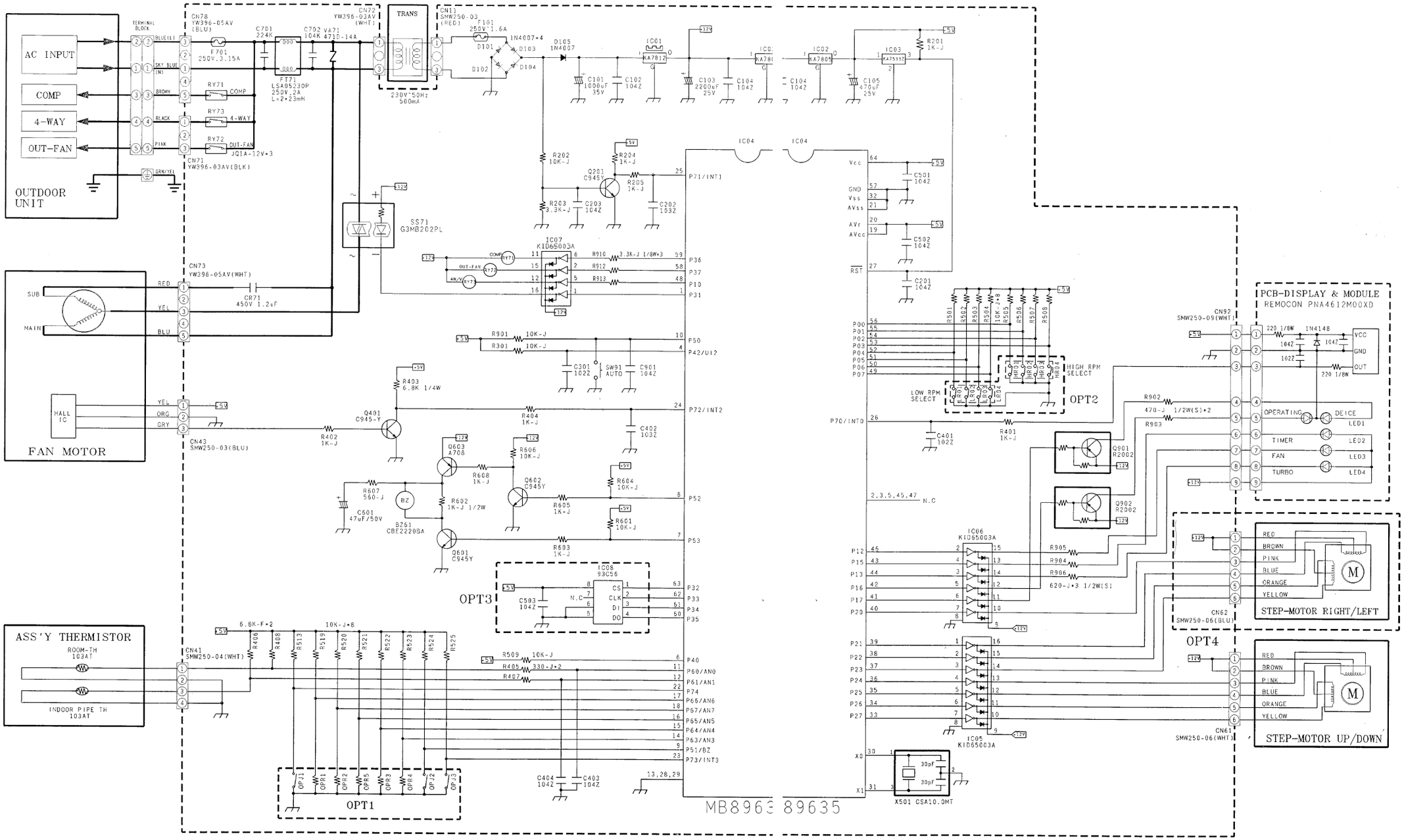


MARK	NAME	MARK	NAME
52C	MAGNETIC CONTACTOR	TB 1,2	TERMINAL BLOCK
20S	SOLENOID COIL	CH	CRANK CASE HEATER
C1	CAPACITOR	FM1	FAN MOTOR
F	FUSE(2A, 250V~)	S	SPARK KILLER

CAPACITOR	3.0/35MF X 450VAC

8. Schematic Diagrams

8-1 Indoor Unit

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