



Manual de servicio

Split Acondicionador de Aire

Modelo: DSA-095L
DSA-125L,125P
DSA-185L,185P
DSA-245L,245P

Aviso:

En este manual, algunas partes pueden cambiar sin previo aviso en la lista de partes si usted necesita la última información por favor dirigirse a PPL(Parts Price List)Centro de información de servicio(<http://svc.dwe.co.kr>).

DAEWOO
ELECTRONICS



<http://svc.dwe.co.kr>

Dic 2005



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1. SPECIFICATIONS

◆ DSA-095L

ITEM		MODEL	DSA-095L	
Function			Cooling	
Class			T1	
Power			AC 230V/ 60Hz	
Capacity		KJ/h	9,000	
		Btu/h	8,531	
Dehumidification		l/h	1.1	
Electrical Data	Running Current	A	3.6	
	Power Input	W	800	
Compressor	Type		Rotary	
	Model		QK125KB* (LGE)	
	Capacitor		25 μ F / 400VAC	
Fan Motor			Indoor Unit	Outdoor Unit
	Type		Cross flow fan	Propeller fan
	Capacitor		1.0 μ F 400VAC	2.0 μ F 400VAC
	Motor Model Number		YDK-8-4A(Xiang Ming)	YDK-35-6A(Xiang Ming)
Sound Level (Hi)	dB(A)		39	48
Fan Speed (Hi)	RPM		1,350	880
Refrigerant (R22)	Control		Capillary	
	Charge Q'ty	g	680	
Connection	Type		Flare	
	OD (Liquid/Suction)	in(mm)	1/4 (6.35)	3/8 (9.52)
Dimensions (W x H x D)		mm	750 x 245 x 179	654 x 549 x 256
Net Weight		kg	7.0	34

◆ DSA-125L, 125P

ITEM		MODEL	DSA-125L, 125P	
Function			Cooling	
Class			T1	
Power			AC 230V/ 60Hz	
Capacity		KJ/h	12,500	
		Btu/h	11,848	
Dehumidification		l/h	1.35	
Electrical Data	Running Current	A	4.7	
	Power Input	W	1,010	
Compressor	Type		Rotary	
	Model		QK156KA* (LGE)	
	Capacitor		35 μ F/ 370VAC	
Fan Motor	Division		Indoor Unit	Outdoor Unit
	Type		Cross flow fan	Propeller fan
	Capacitor		1.2 μ F 400VAC	3 μ F 400VAC
	Motor Model Number		RP-13B(Welling)	YDK-50-6A(Xiang Ming)
Sound Level (Hi)	dB(A)		42	52
Fan Speed (Hi)	RPM		1,300	870
Refrigerant (R22)	Control		Capillary	
	Charge Q'ty	g	1,000	
Connection	Type		Flare	
	OD (Liquid/Suction)	in(mm)	1/4 (6.35)	3/8 (9.52)
Dimensions (W x H x D)		mm	815 x 285 x 195	800 x 615 x 320
Net Weight		kg	9.2	50

◆ DSA-185L, 185P

ITEM		MODEL	DSA-185L, 185P	
Function		Cooling		
Class		T1		
Power		AC 230V/ 60Hz		
Capacity		KJ/h	17,500	
		Btu/h	16,588	
Dehumidification		l/h	2.0	
Electrical Data	Running Current	A	7.2	
	Power Input	W	1,620	
Compressor	Type		Rotary	
	Model		QJ250KA* (LGE)	
	Capacitor		35 μ F/ 370VAC	
Fan Motor	Division		Indoor Unit	Outdoor Unit
	Type		Cross flow fan	Propeller fan
	Capacitor		1.2 μ F 400VAC	3 μ F 400VAC
	Motor Model Number		YDK-20-4A(Xiang Ming)	YDK-50-6A(Xiang Ming)
Sound Level (Hi)	dB(A)		48.1	56
Fan Speed (Hi)	RPM		1,370	870
Refrigerant (R-22)	Control		Capillary	
	Charge Q'ty	g	1,070	
Connection	Type		Flare	
	OD (Liquid/Suction)	in(mm)	1/4 (6.35)	1/2 (12.7)
Dimensions (W x H x D)		mm	1035 x 322 x 205	800 x 615 x 320
Net Weight		kg	11.7	50

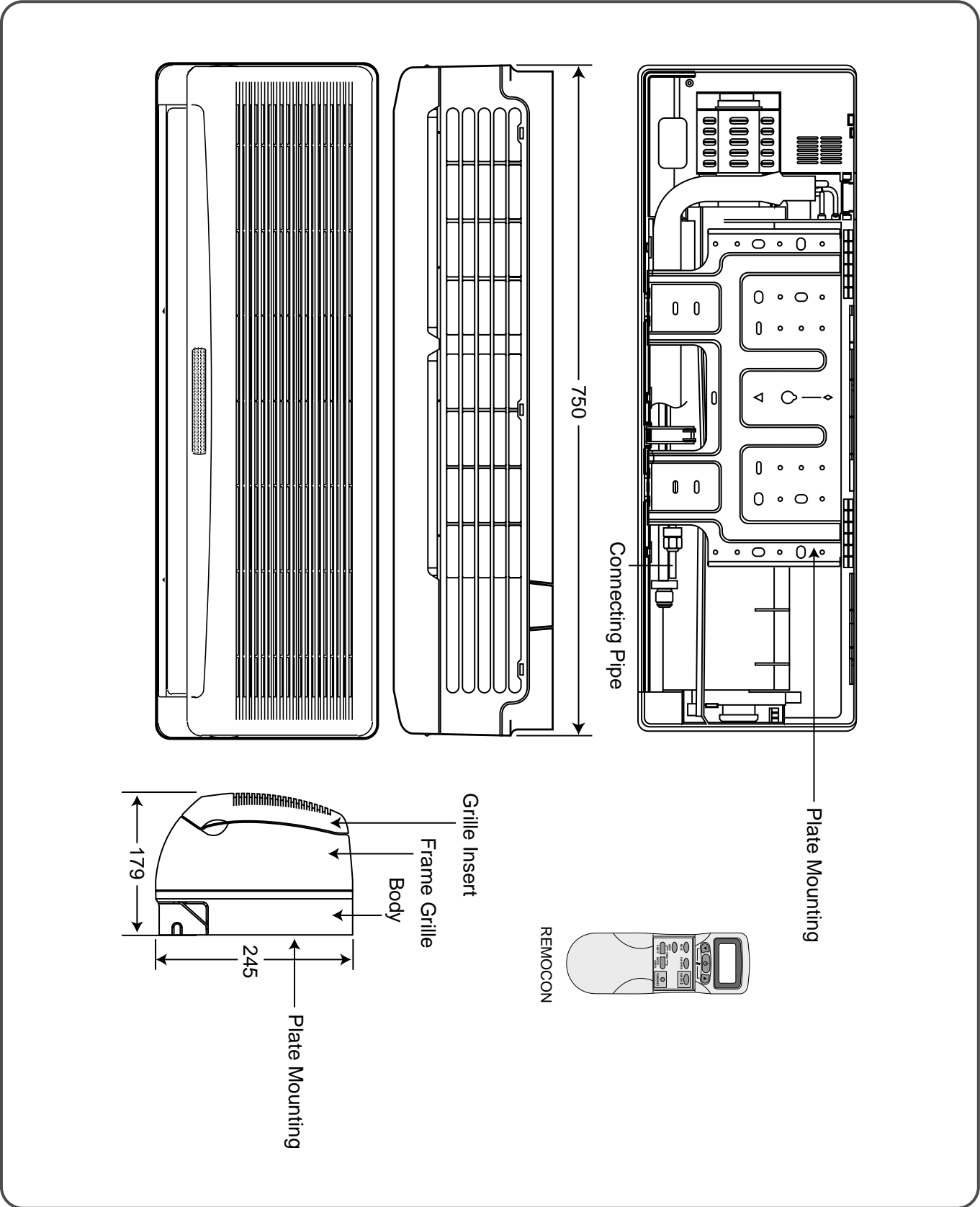
◆**DSA-245L, 245P**

ITEM		MODEL	DSA-245L, 245P	
Function		Cooling		
Class		T1		
Power		AC 230V/ 60Hz		
Capacity		KJ/h	23,500	
		Btu/h	22,275	
Dehumidification		l/h	2.7	
Electrical Data	Running Current	A	10.0	
	Power Input	W	2,220	
Compressor	Type		Rotary	
	Model		QP325KBB (LGE)	
	Capacitor		40μF/ 400VAC	
Fan Motor	Division		Indoor Unit	Outdoor Unit
	Type		Cross flow fan	Propeller fan
	Capacitor		1.2μF 400VAC	3μF 400VAC
	Motor Model Number		IC-9430DWKF7A(Sung shin)	A2929GS010(DMI)
Sound Level (Hi)	dB(A)		48.5	57
Fan Speed (Hi)	RPM		1,300	950
Refrigerant (R-22)	Control		Capillary	
	Charge Q'ty	g	1,850	
Connection	Type		Flare	
	OD (Liquid/Suction)	in(mm)	3/8 (9.52)	5/8 (15.9)
Dimensions (W x H x D)		mm	1080 x 298 x 200	872 x 675 x 325
Net Weight		kg	14.7	64

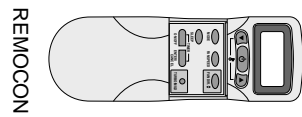
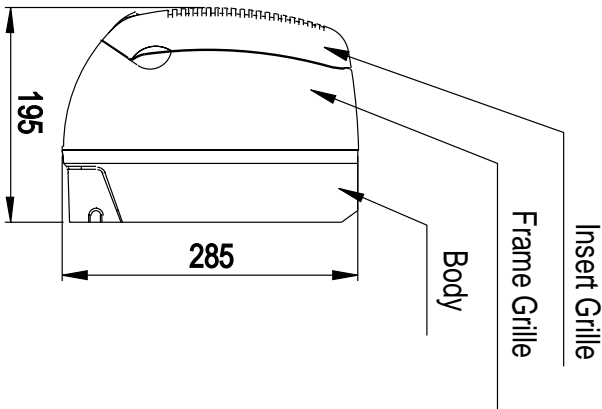
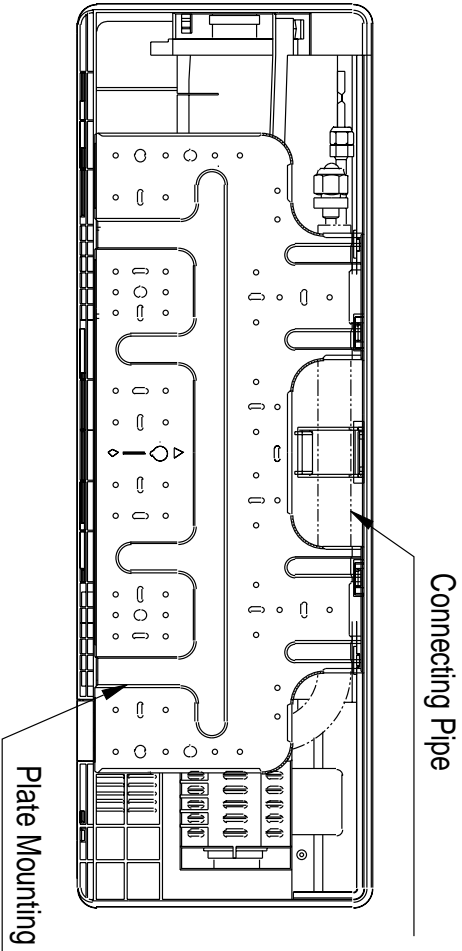
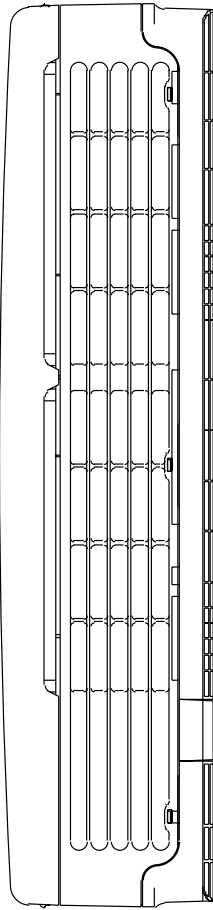
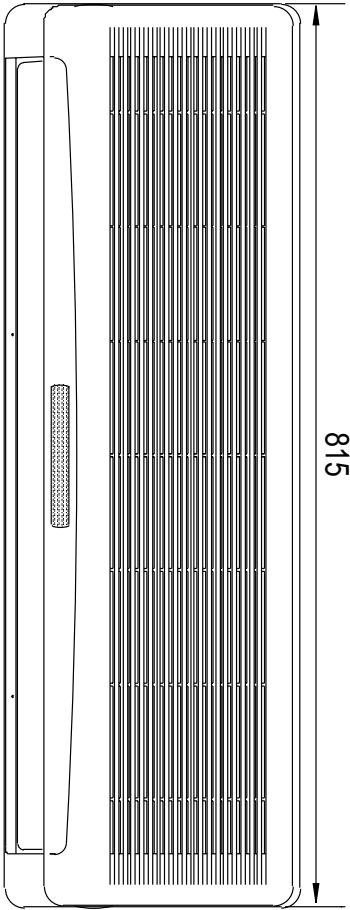
2. OUTLINE AND DIMENSIONS

1 INDOOR UNIT

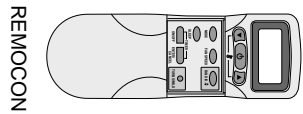
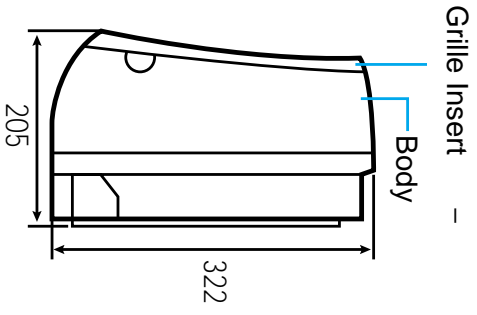
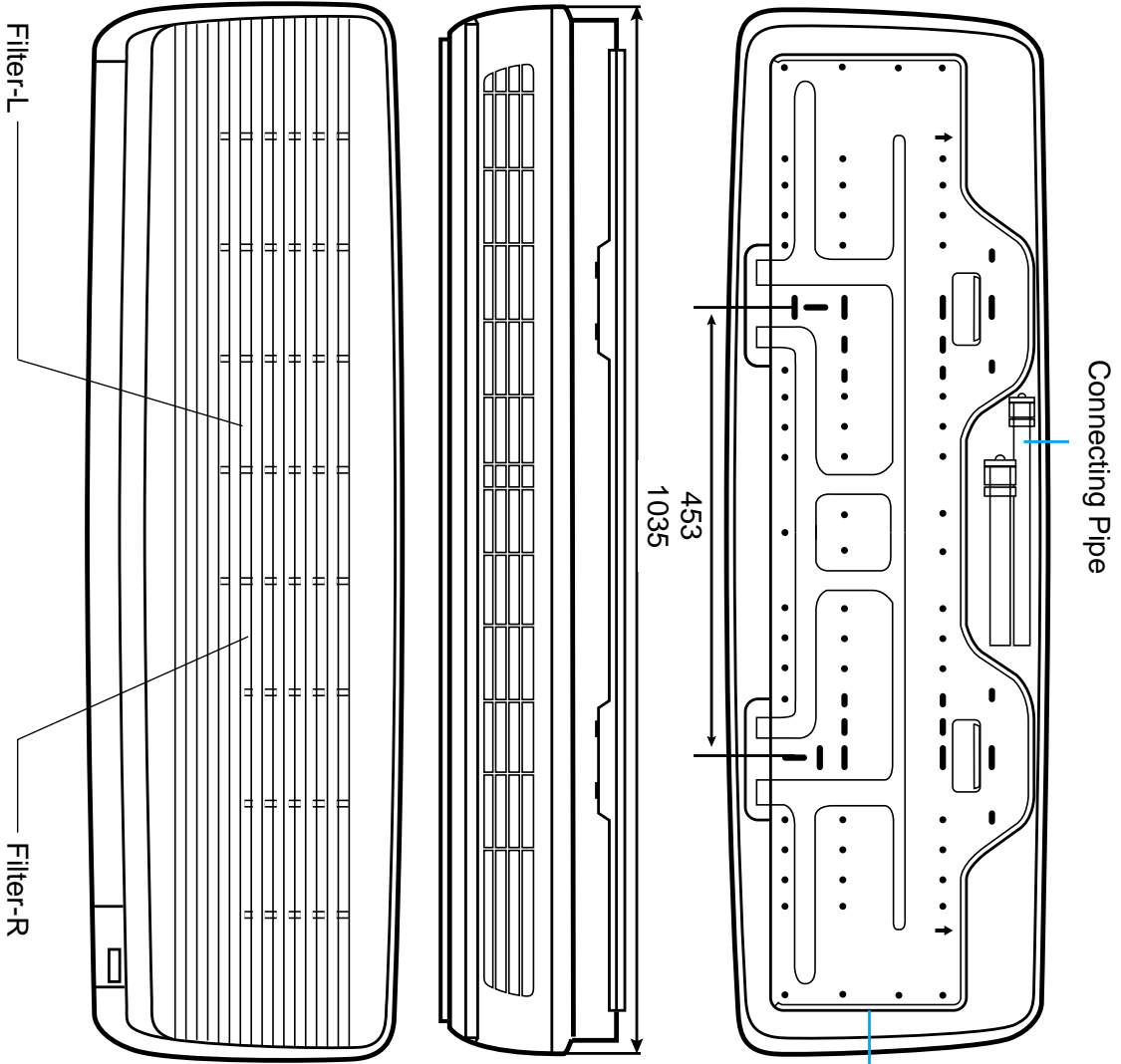
◆ DSA-095L



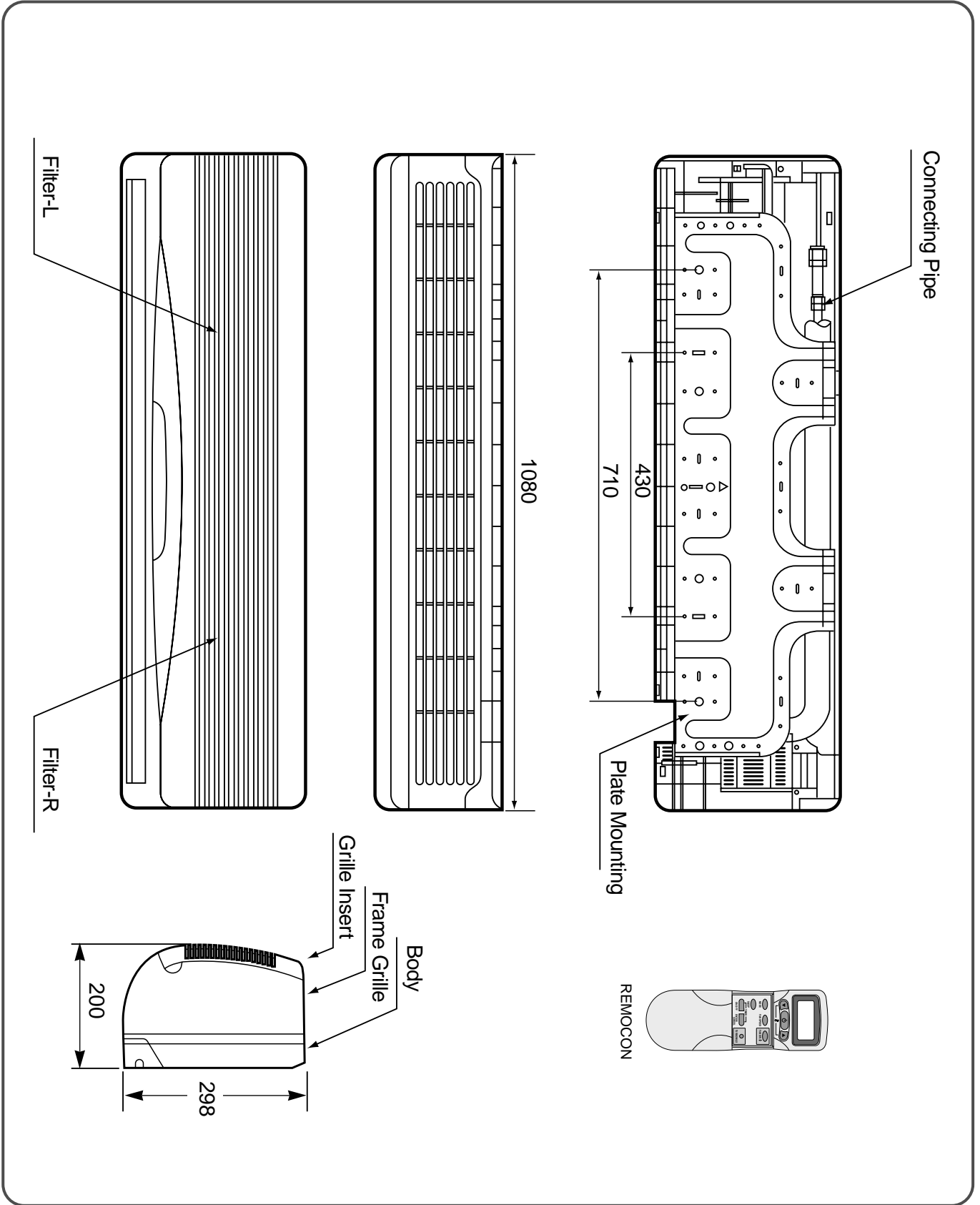
◆ DSA-125L, 125P



◆ DSA-185L, 185P



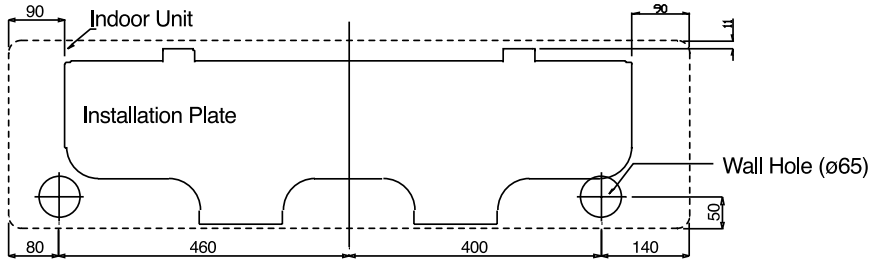
◆ DSA-245L, 245P



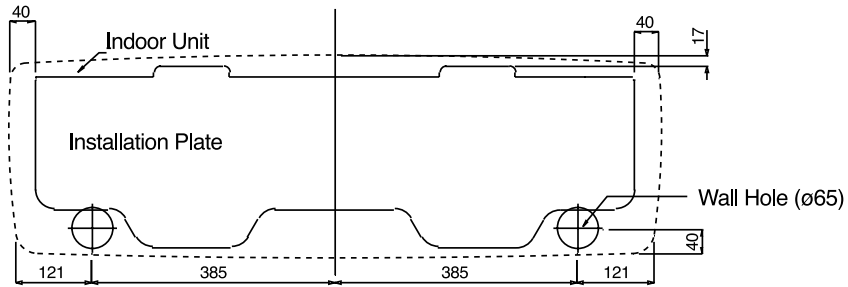
◆INSTALLING THE INSTALLATION PLATE

Unit : mm

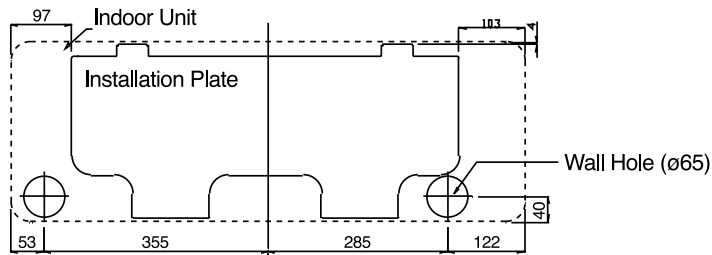
- DSA-245L, 245P



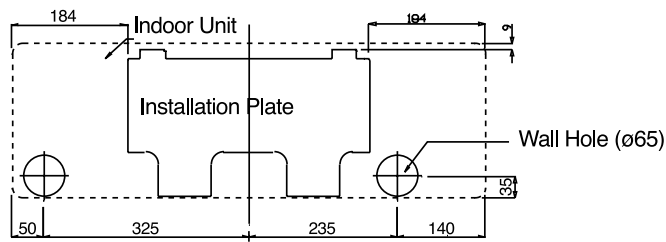
- DSA-185L, 185P



- DSA-125L, 125P

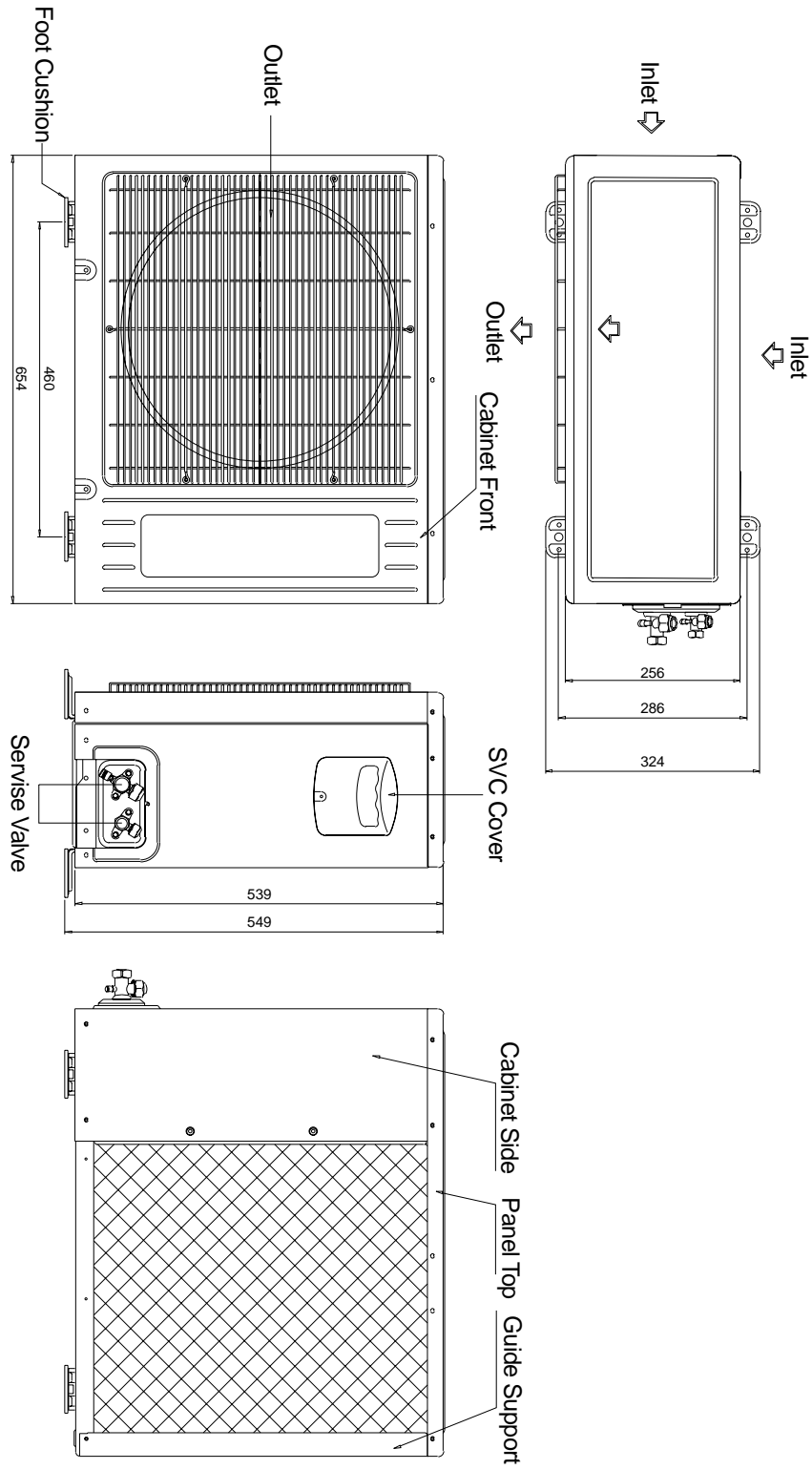


- DSA-095L

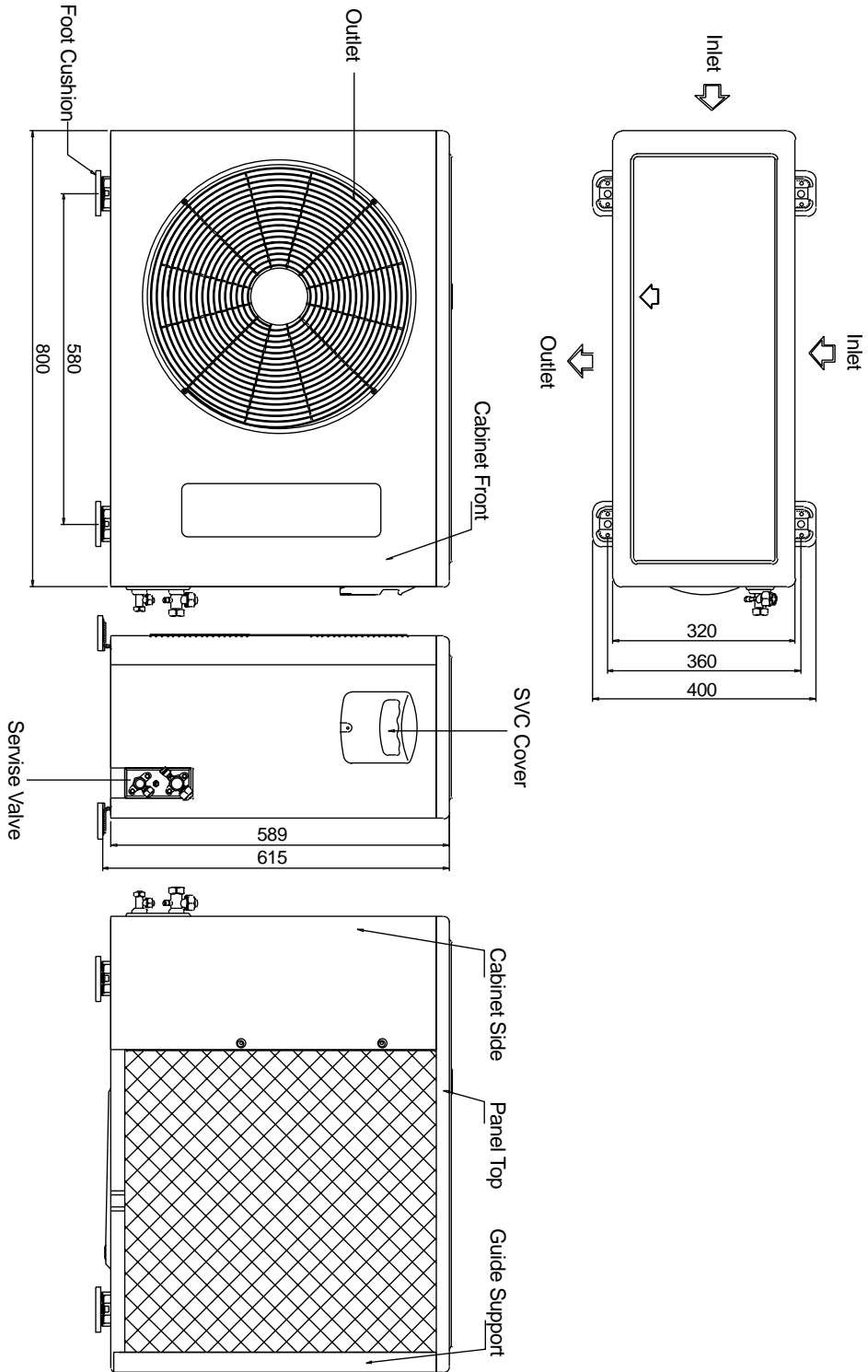


2 OUTDOOR UNIT

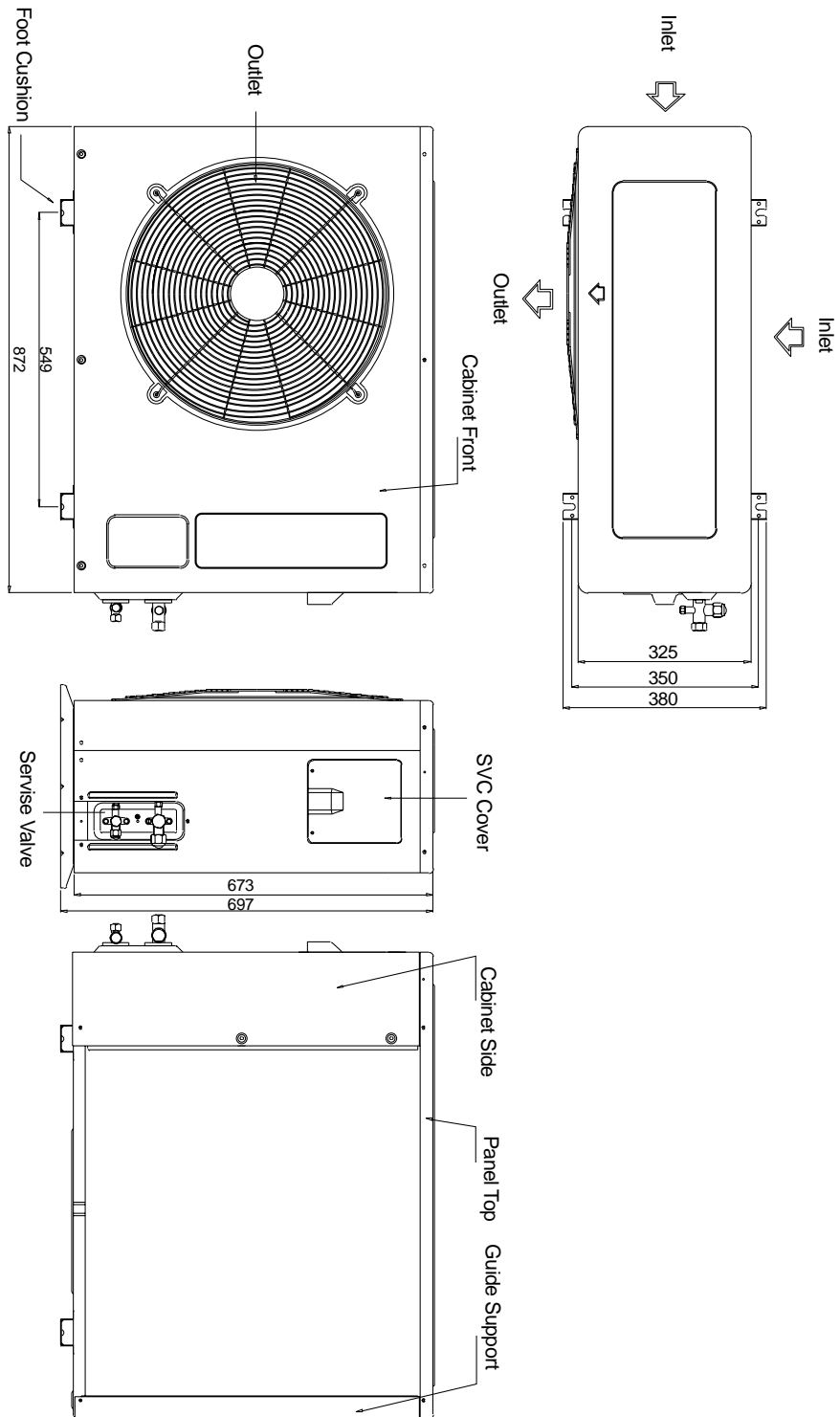
◆ DSA-095L



◆ DSA-125L, 125P, 185L, 185P



◆ DSA-245L, 245P

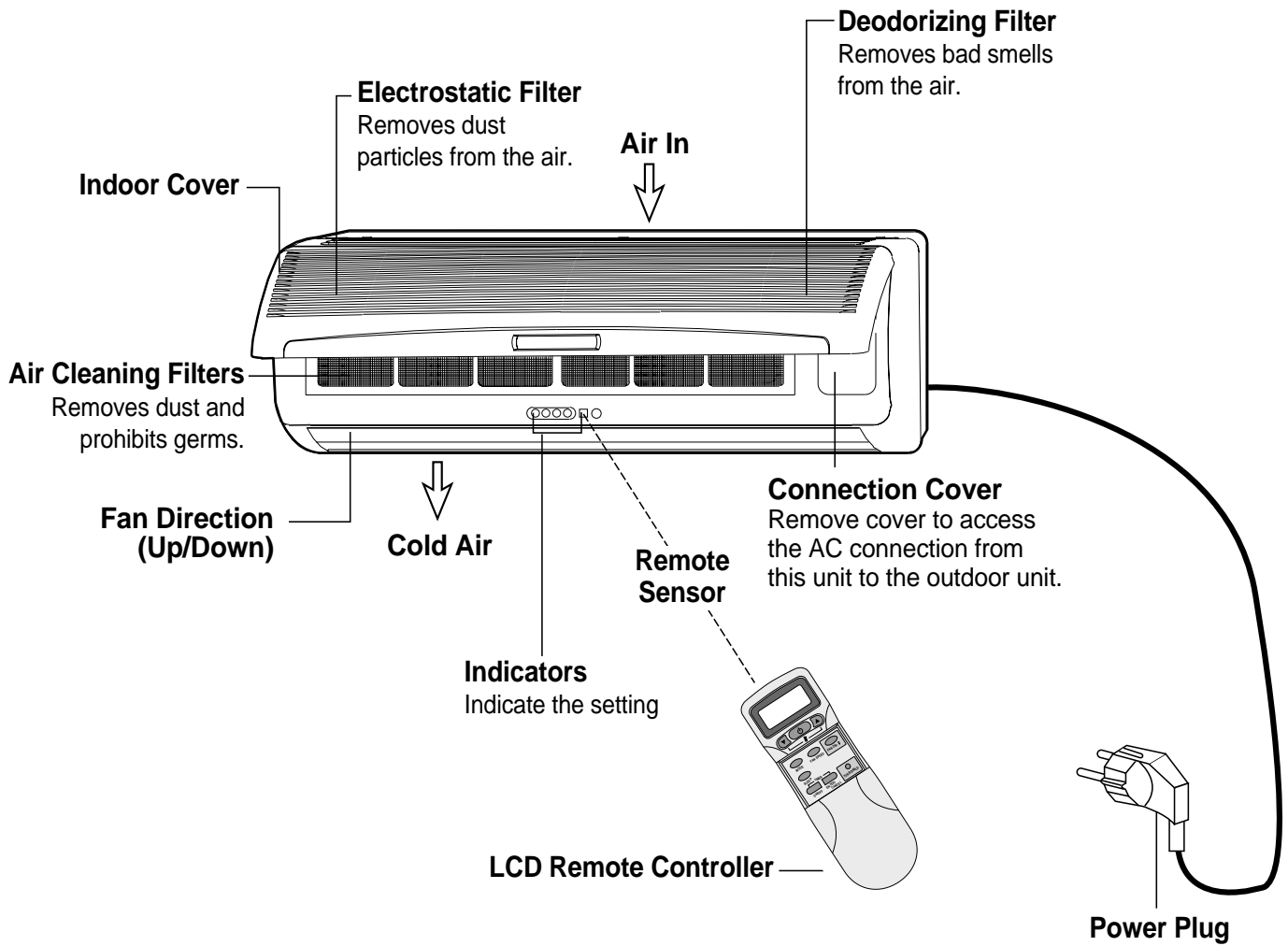


3. OPERATION

1 NAME AND FUNCTION OF PARTS

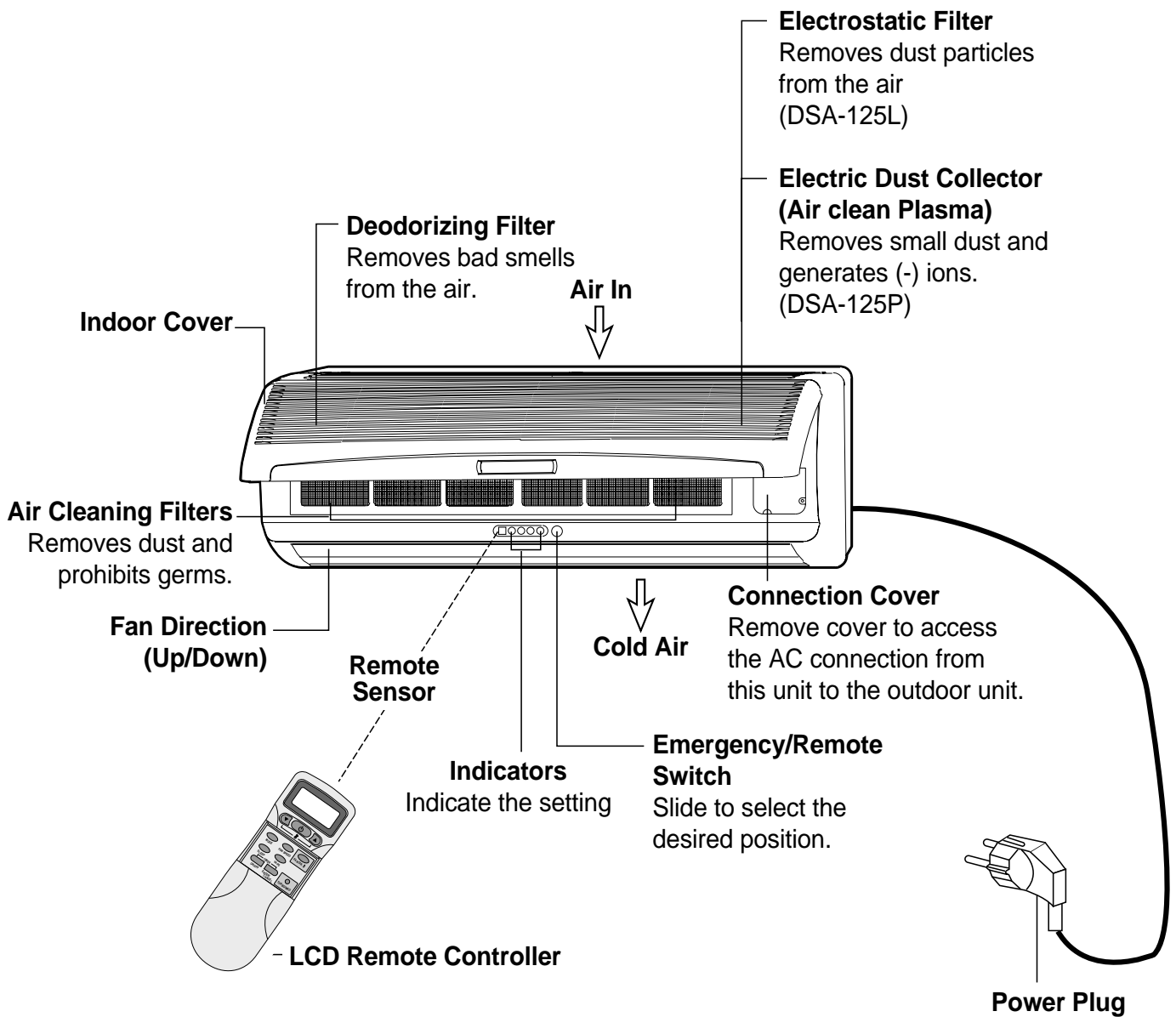
◆ DSA-095L

Indoor Unit



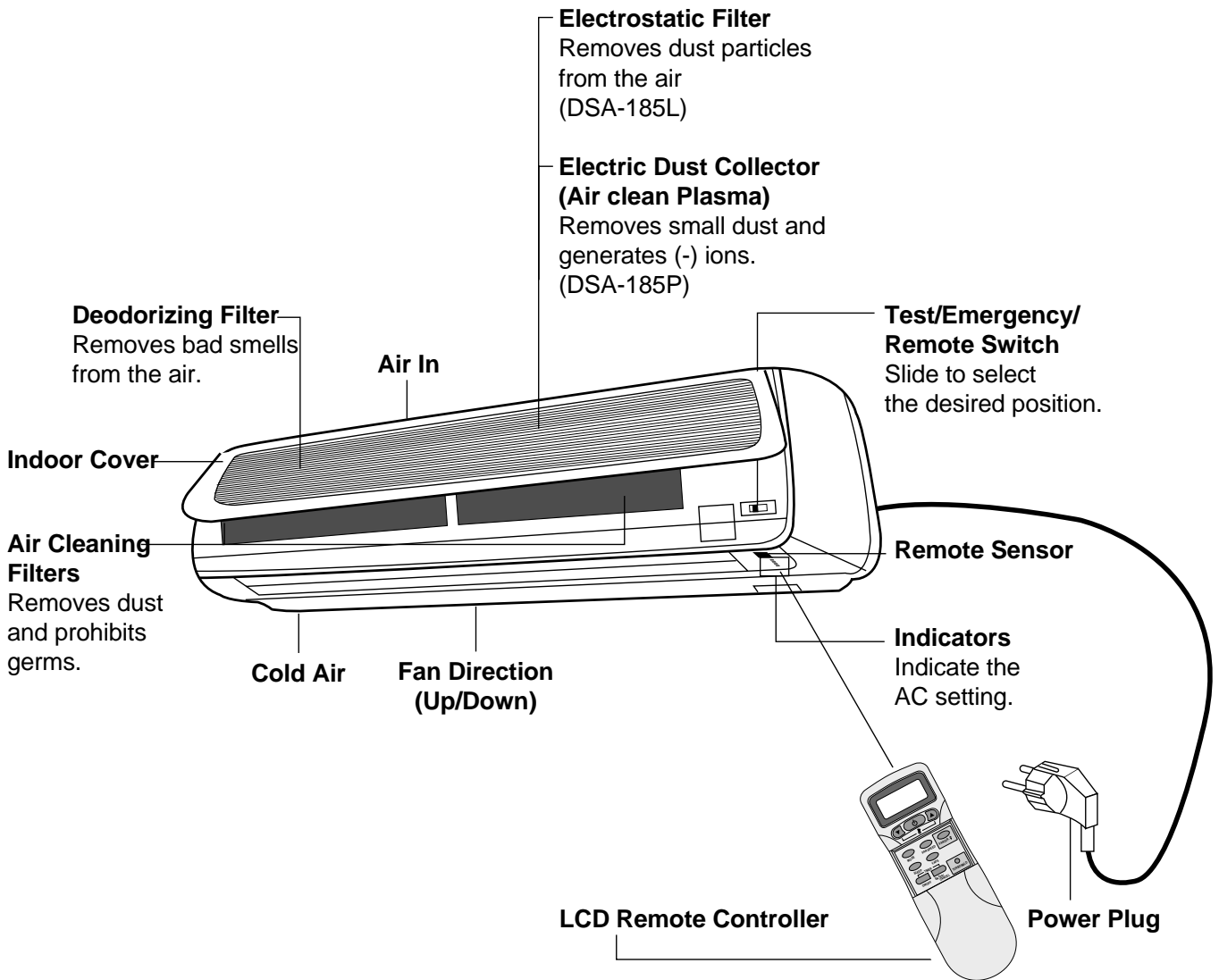
◆ DSA-125L, 125P

Indoor Unit

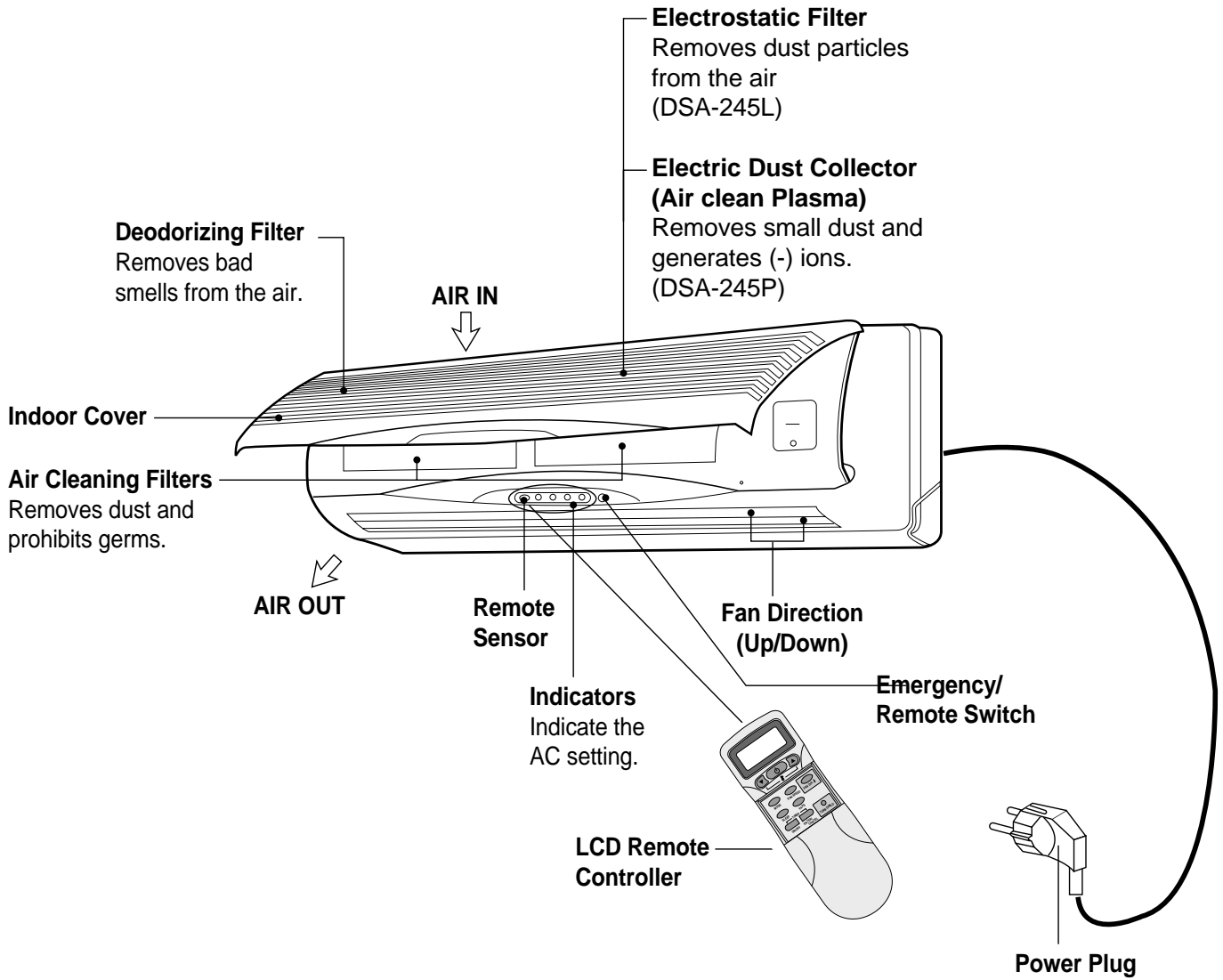


◆ DSA-185L, 185P

Indoor Unit

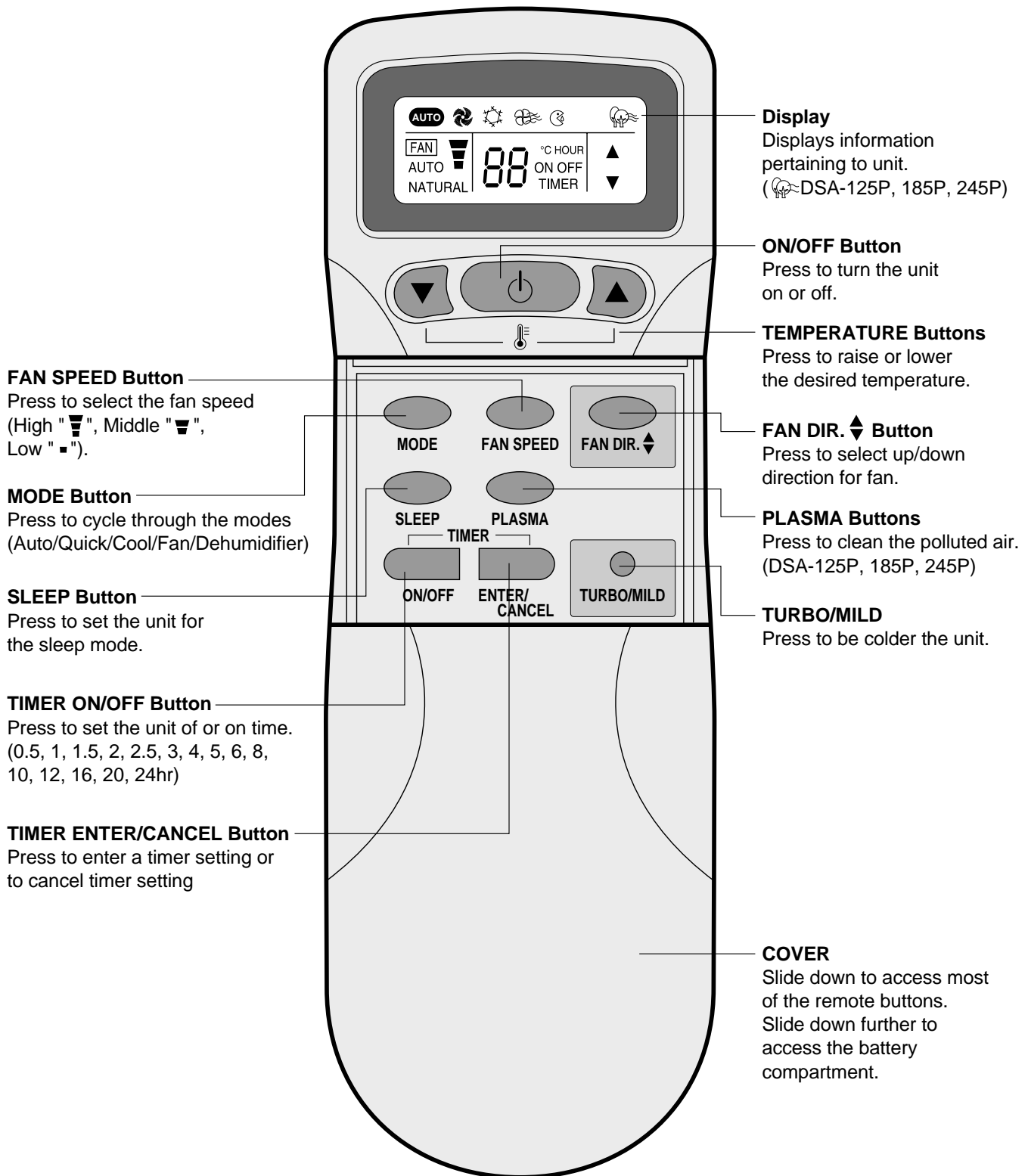


◆ DSA-245L, 245P



2 REMOTE CONTROLLER

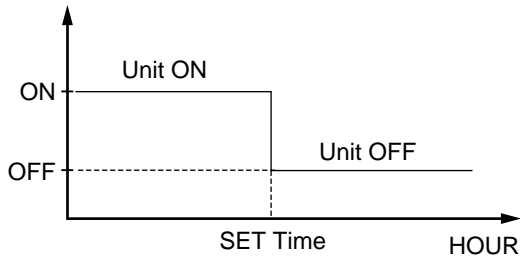
Name of Each Button



3 DESCRIPTION OF FUNCTIONS

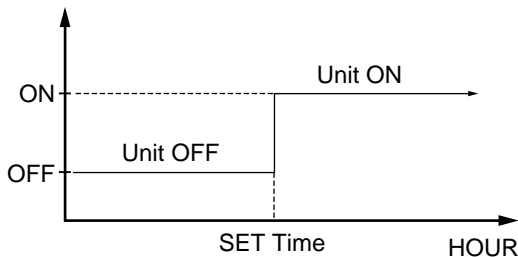
OFF-Timer

If you set time in OFF-Timer Mode, the unit will stop at the set time.



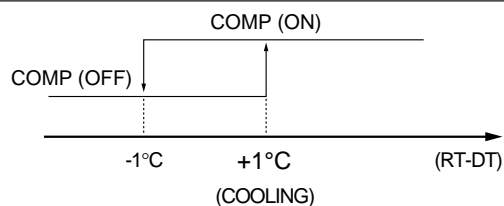
ON-Timer

If you set time in ON-Timer Mode, the unit will run at the set time.



Control of Room Temperature

- (1) Range of setting temperature: 18~32°C
- (2) Setting temperature: Operating temperature of compressor



*RT: ROOM TEMPERATURE
DT: DESIRED TEMPERATURE

- (3) During the time of test operating, Fan (Indoor, Outdoor) and Compressor is running regardless of room temperature.

Buzzer

If the Indoor Unit Display receive the signal of Remote Controller, you can hear the signal "beep—" or "beep, beep".

- (1) In the case of receiving ON/OFF signal-"beep" "beep"
- (2) And so on-"beep"

Fan Speed (Indoor Unit)

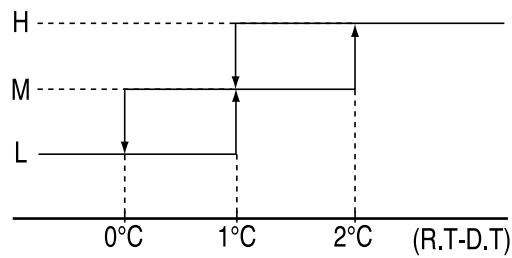
- (1) Motor speed (high speed, normal speed, low speed).
- (2) Remote controller setting fan speed. (Auto, L, M, H, Natural)
- (3) Relation of operating mode between fan speed. (legned: X-no relation)

	FAN ONLY	COOL	DEHUMI-DIFICATION	AUTO	QUICK
H	H	H	L	H	H
M	M	M	L	M	H
L	L	L	L	L	H
Auto		Auto	L	Auto	H
Natural	Natural	Natural	L	Natural	H

(4) Automatic Operation

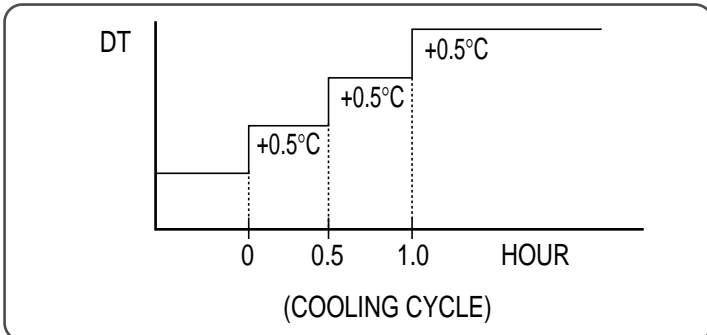
If the unit is set in 'AUTO' mode, the unit operates automatically according to the room temperature to keep the room temperature comfortable.

(COOLING)



Sleep Mode

- (1) When you are going to sleep, select sleep switch and the unit controls the room to the desired temperature.
(The unit will not operate after 4 hour)
- (2) For changing the temperature.



- (3) To cancel sleep mode, press the SLEEP button again or press the MODE button once.: the SLEEP indicator will disappear in the display.

Emergency Operation

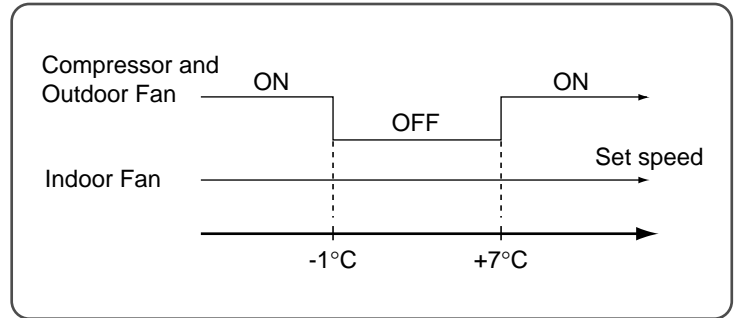
- (1) When the remote controller is lost, damaged or the battery is discharged, the Emergency operation can be used to run the unit.
- (2) The setting conditions of Emergency operation are as follows.
 - Operation mode: Quick
 - Preset temperature: 18°C
 - Fan speed: High

* You cannot operate with remote controller.

Frost Prevention of Indoor Unit

When the unit operates at low ambient temperature, frost may appear on the Evaporator. When the indoor coil temperature is lower than 0°C at the end of 10 minutes of continuous compressor operation from the start, the microcomputer of the unit stops the compressor to protect the unit from the frost. The control procedure for indoor coil freeze protection.

- 1) The compressor and outdoor fan turn off.
- 2) Indoor fan operates according to user set speed.
- 3) The normal operation returns when the indoor coil temperature is higher than 7°C or equal to 7°C.



(Indoor coil temperature)

3 min. Time Delay of Compressor

In normal operation, there is a time delay of three minutes between turn off and turning back on including initial power up.

Auto Mode

(1) In Auto Mode

After the indoor fan is operated for 20 seconds in the Auto Mode the unit will operate automatically by selecting operating Mode according to the room temperature

(RT: Room temperature)

ROOM TEMPERATURE	OPERATING MODE	FLAP POSITION
$DT-2^{\circ}\text{C} > RT$	Cooling	Cooling Position
$DT-2^{\circ}\text{C} \leq RT \leq DT+3^{\circ}\text{C}$	Dehumidifier	Cooling Position
$DT+3^{\circ}\text{C} < RT$	Cooling	Cooling Position

(2) Selecting Operating Mode Again

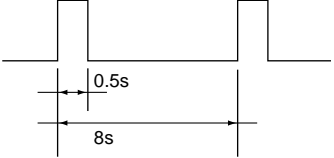
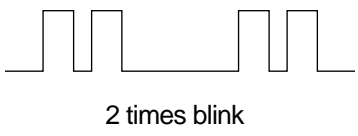
Room temperature meets desired temperature and the compressor stops running over 30 minutes, then the unit selects operating Mode again.

Self-Diagnostic Function

The control will contain diagnostic test to verify the integrity of the system.

(1) Error Code Display Pattern

① ON LAMP: Blink

LED BLINK PATTERN	CASE	NOTE
 <p>1 times blink</p>	<p>Room Sensor open or Short</p> <p>• I/D coil sensor open or short</p>	<p>• Continuously working to fix room temperature 18°C in cooling mode.</p> <p>Do not working</p>
 <p>2 times blink</p>	<p>• Compressor or electrical parts of compressor error.</p> <p>• Gas leak</p>	<p>Continuously working</p>

Self Diagnostic Function Description

1. Sensor Error

Open or Short circuit of Sensors (Room and Indoor Coil Sensor)

Open : Micom, Input Voltage 0~0.3V, Short: Micom, Input Voltage 4.7~5.0V

2. Compressor Error

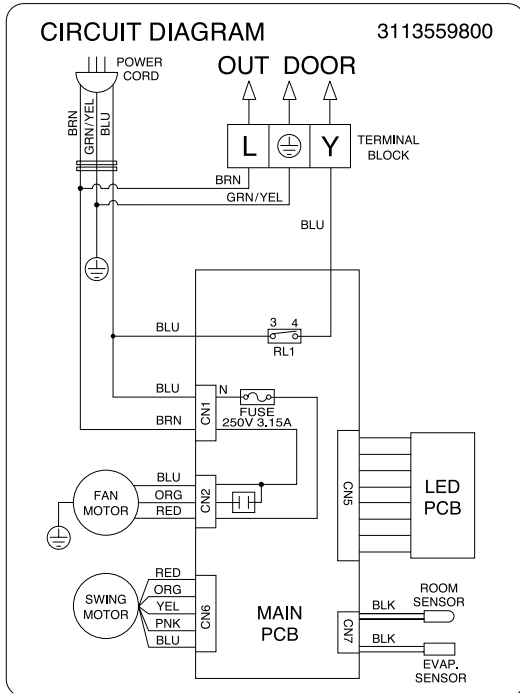
At the start operation, the Compressor is ON and 5 Minutes later, the Temperature change value of Indoor Coil is below $\pm 2^{\circ}\text{C}$.

- Emergency Mode Operation detect only

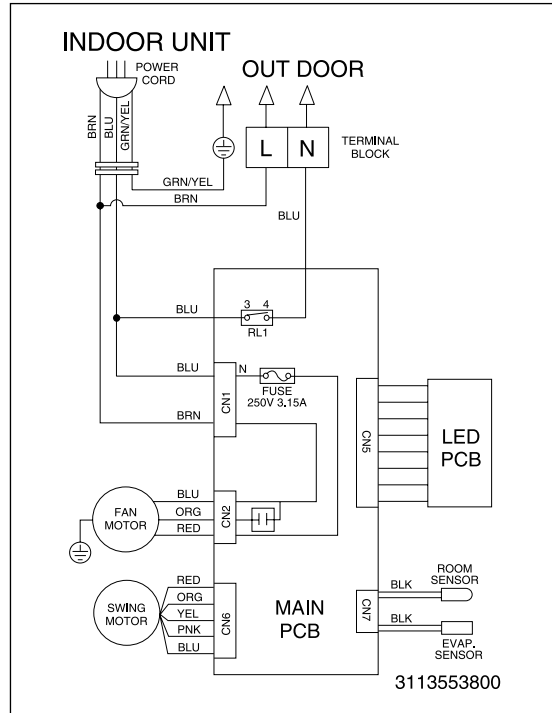
4. WIRING DIAGRAM

Indoor Unit

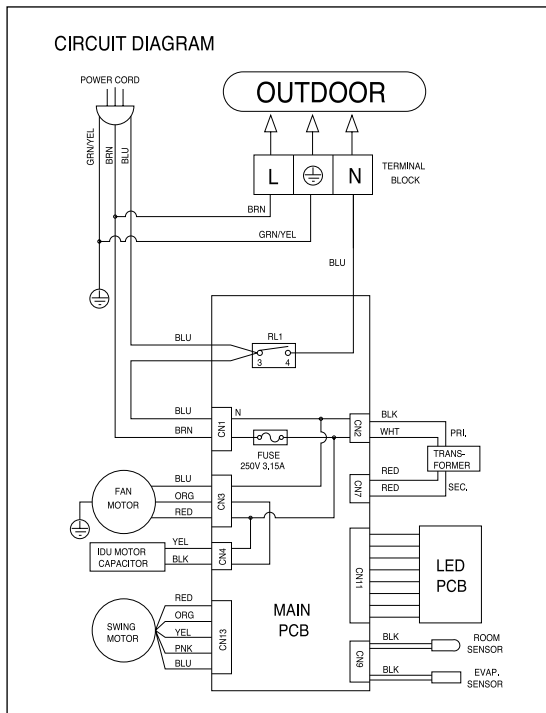
◆ DSA-095L



◆ DSA-125L

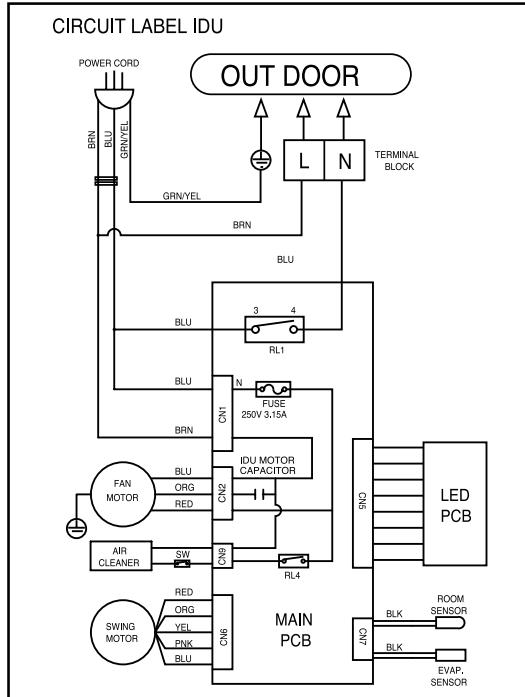


◆ DSA-185L, 245L

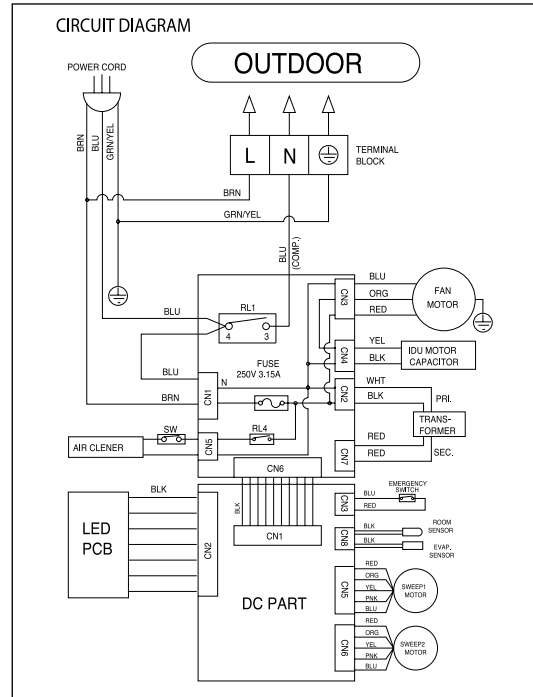


Indoor Unit

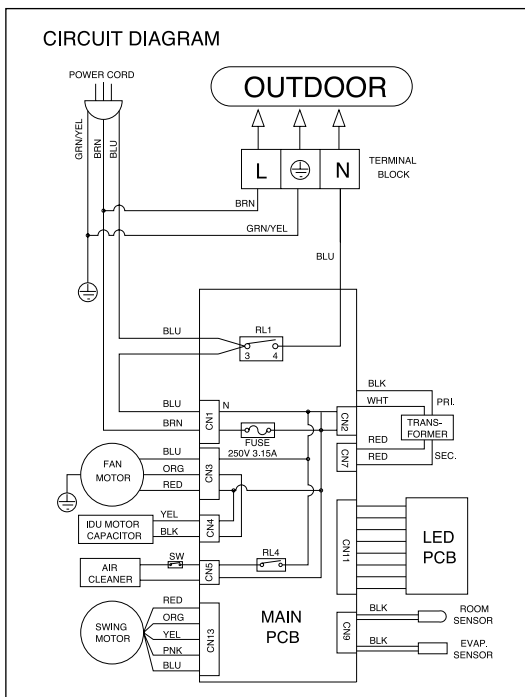
◆ DSA-125P



◆ DSA-185P

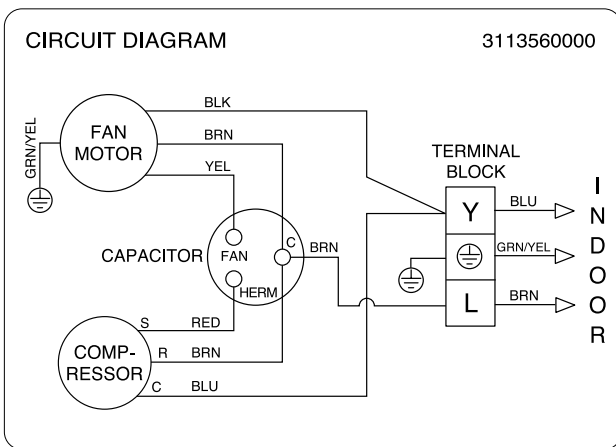


◆ DSA-245P

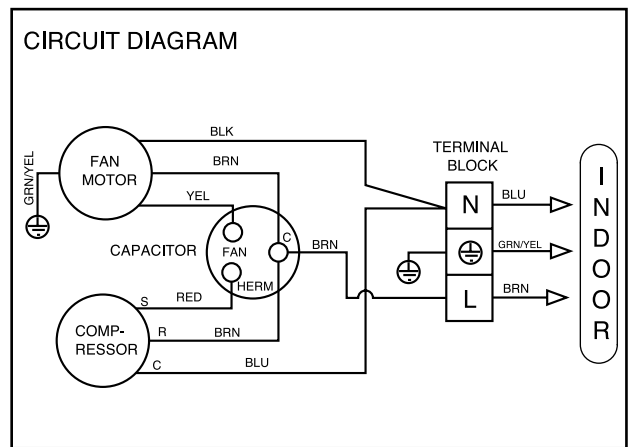


Outdoor Unit

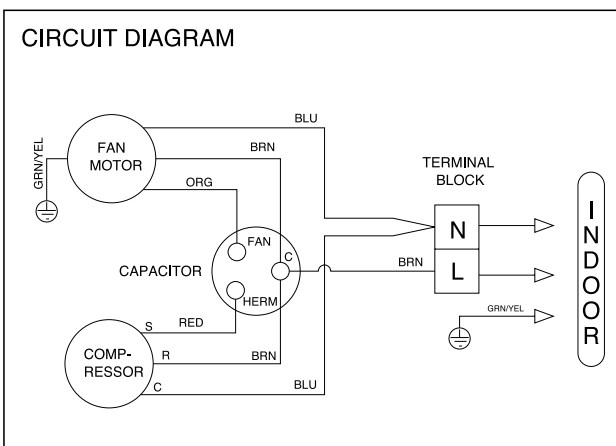
◆ DSA-095L



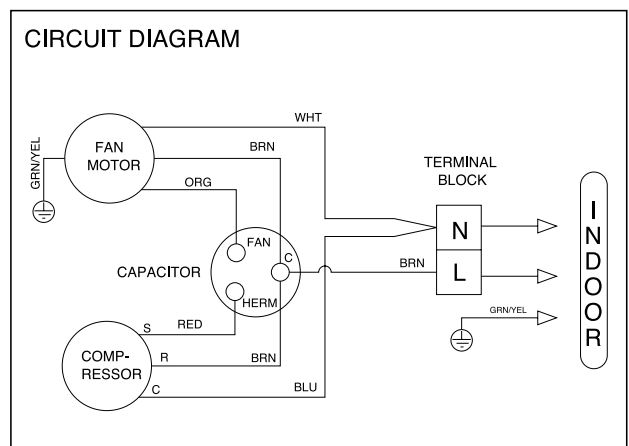
◆ DSA-125L, 125P



◆ DSA-185L, 185P

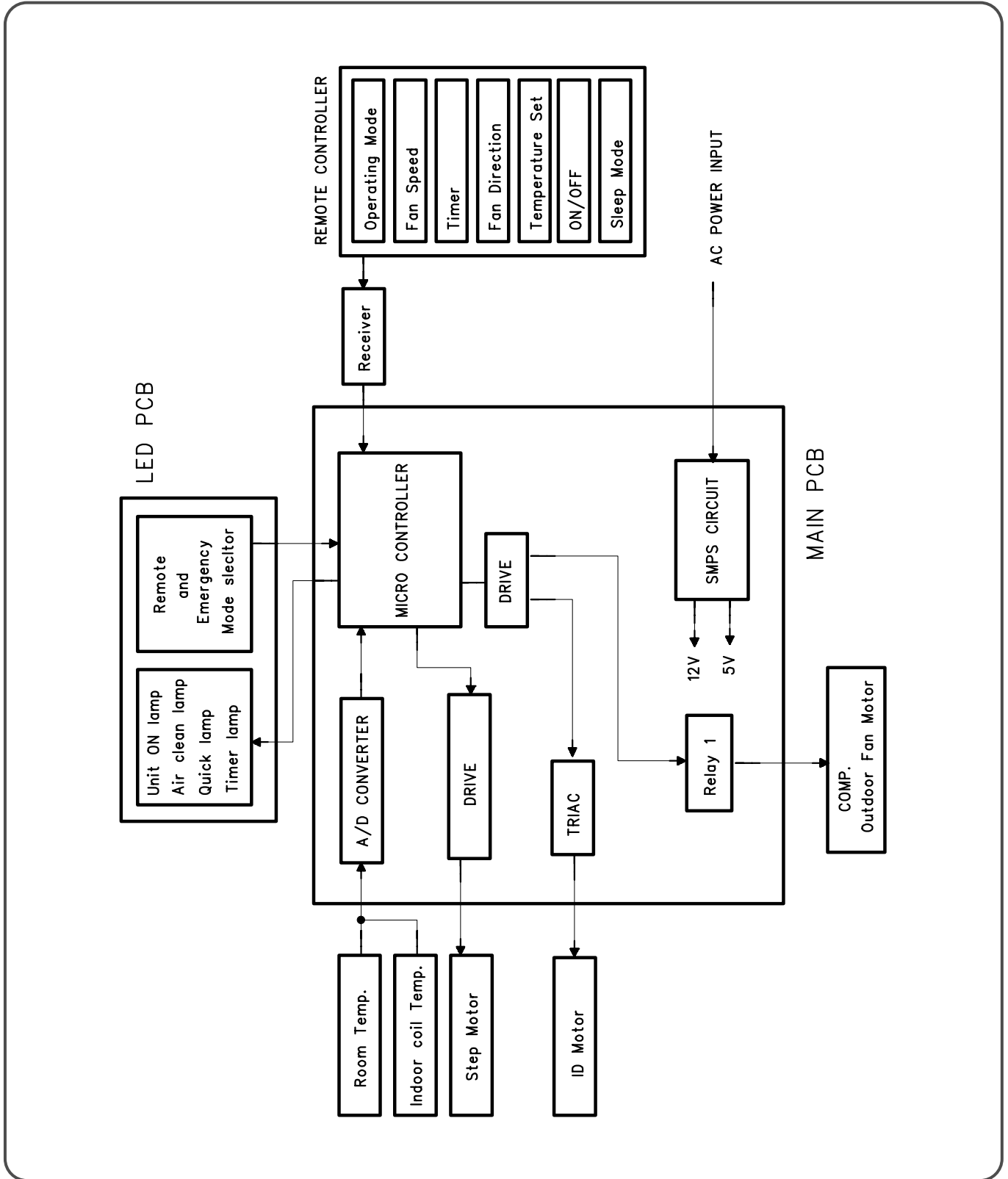


◆ DSA-245L, 245P

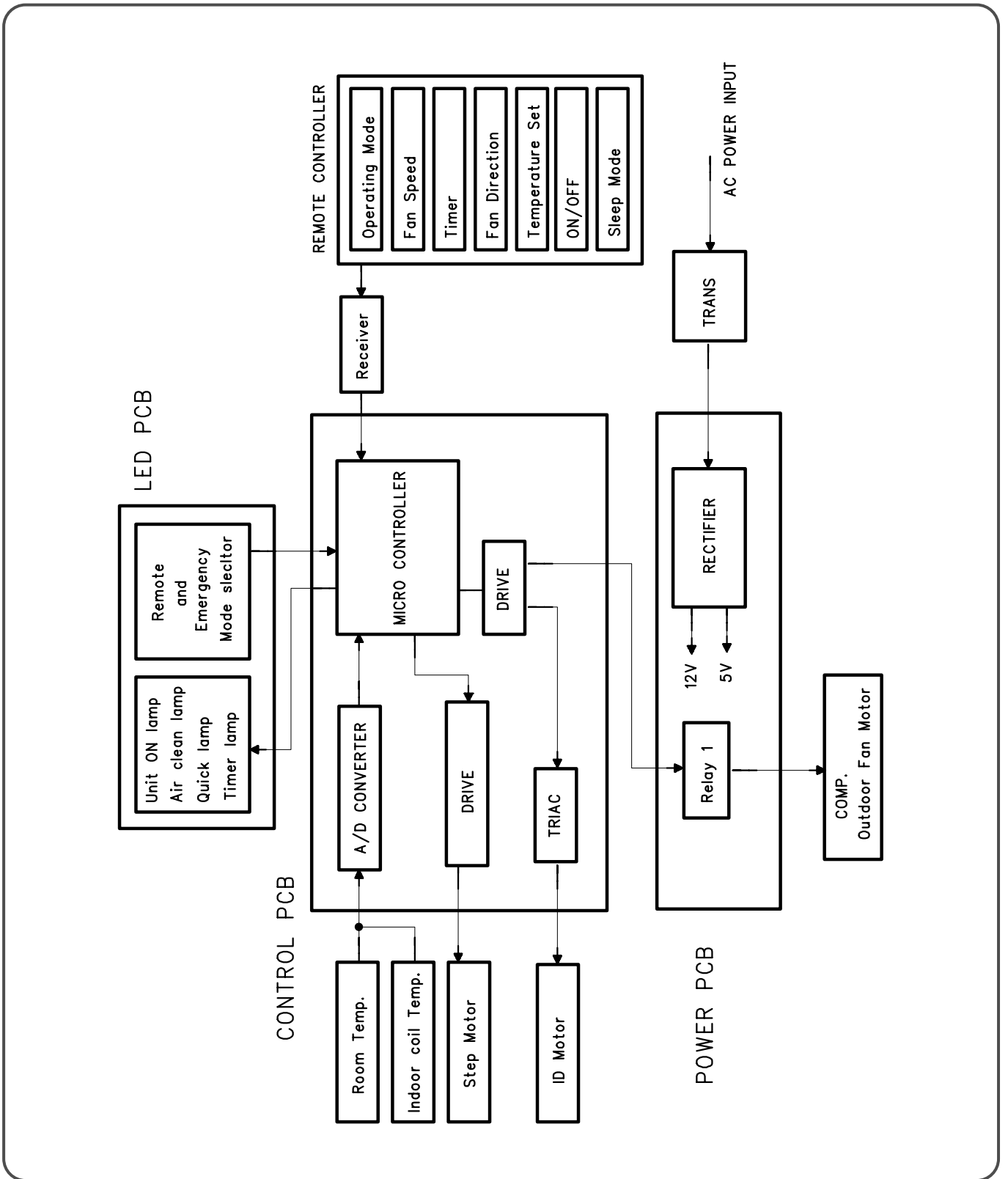


5. CONTROL BLOCK DIAGRAM

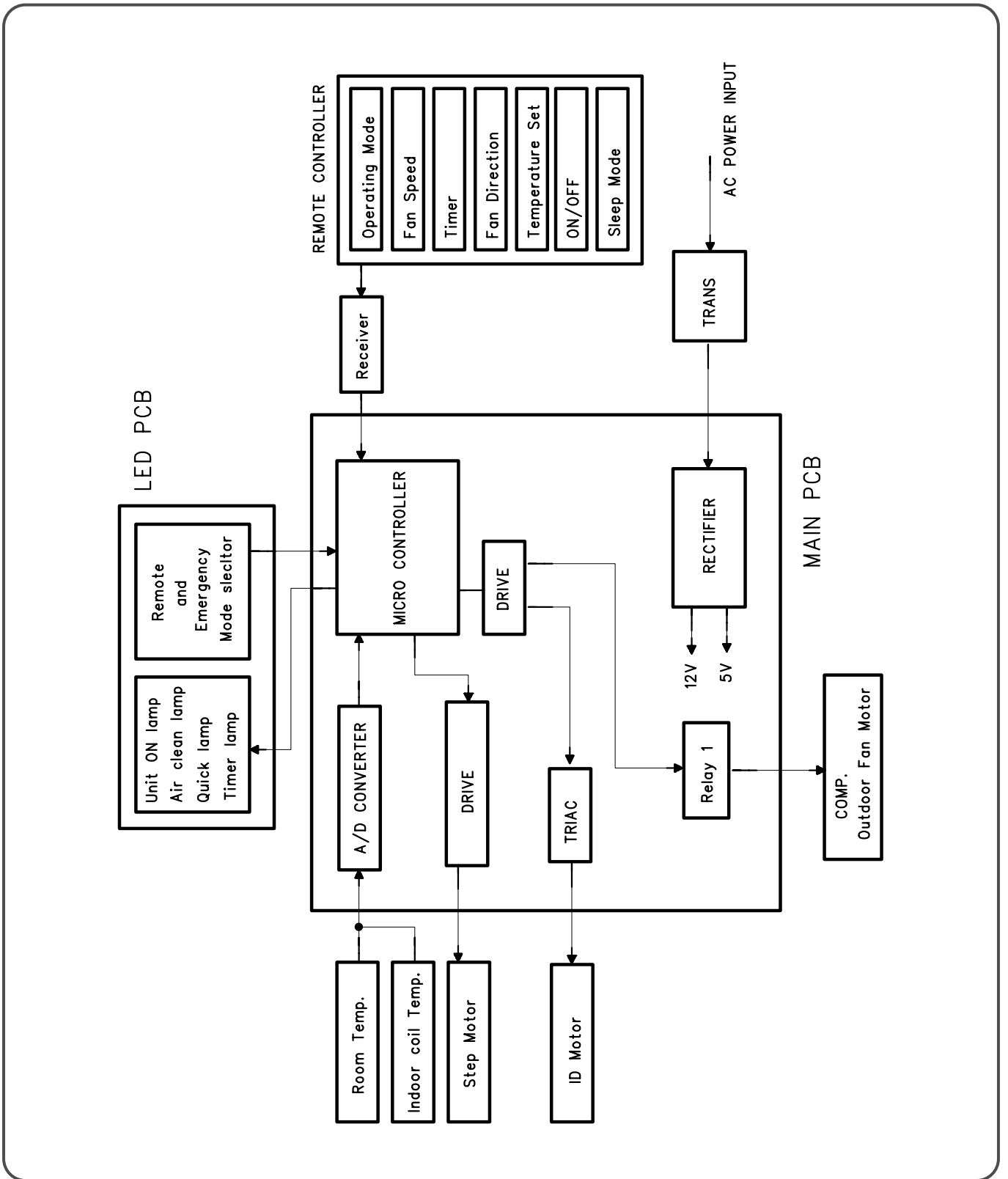
◆ DSA-095L, DSA-125L, 125P



◆ DSA-185L, 185P



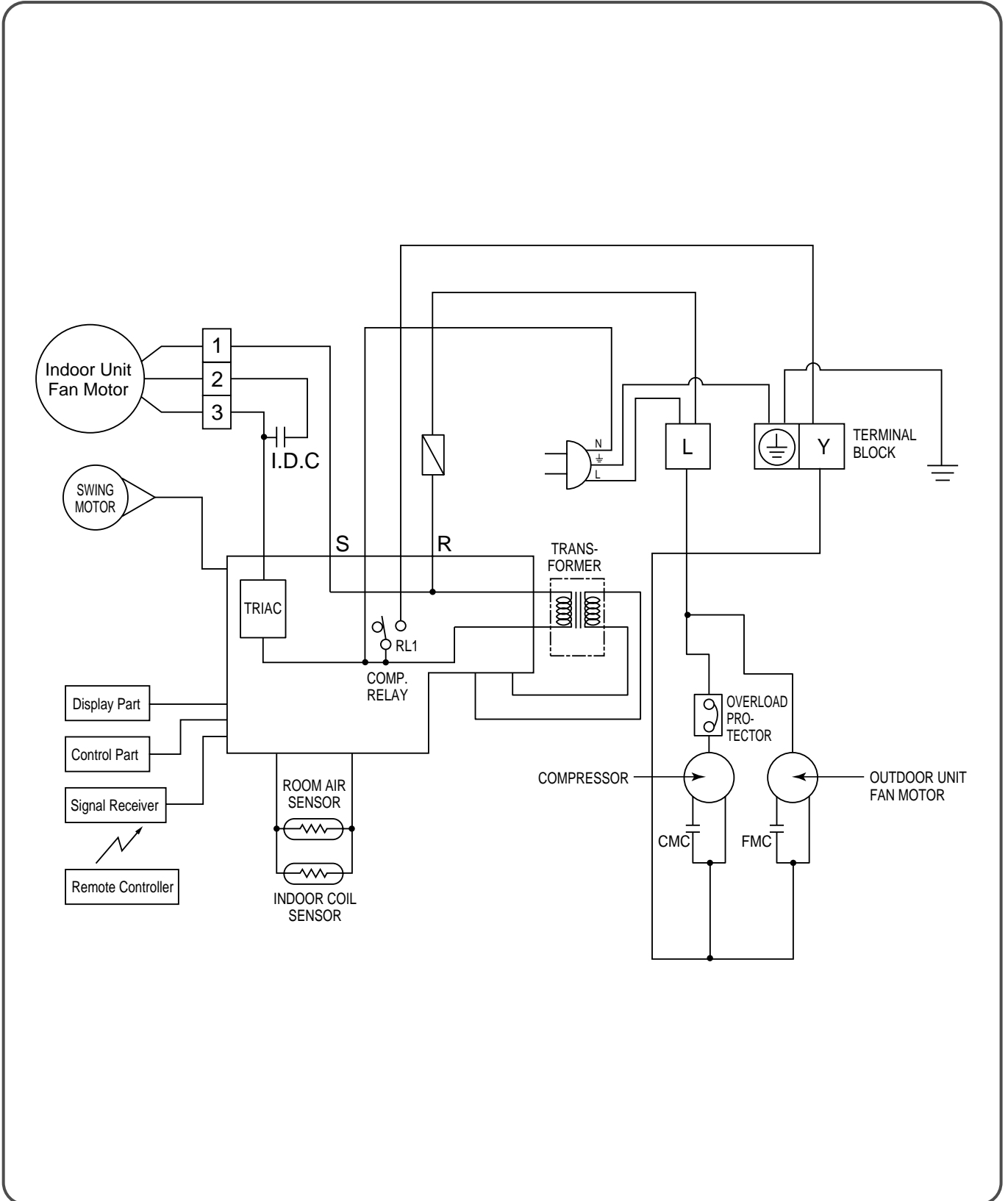
◆ DSA-245L, 245P



6. ELECTRIC CIRCUIT DIAGRAM

1 ELECTRIC CIRCUIT DIAGRAM

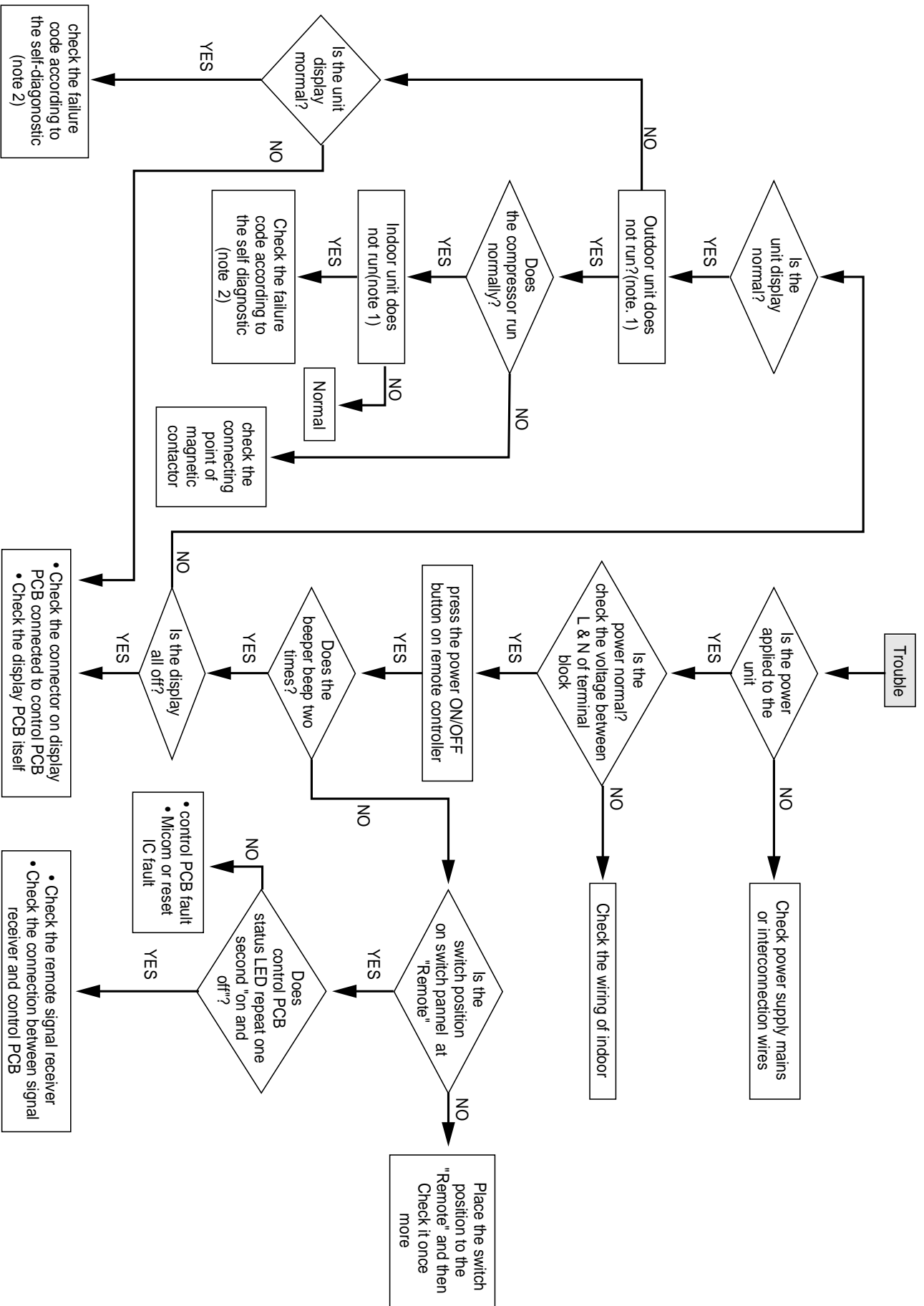
◆ DSA-095L, 125L, 125P, 185L, 185P, 245L, 245P



Description

1. After the power ON/OFF button is pressed once, the relay and triac are turned ON or OFF per the remote control setpoint.
 - TRIAC is controlled per the fan speed selection.
 - RELAY is controlled per the operation mode selection.
2. If the power ON/OFF button is pressed once more, the relay and triac are turn off and the unit stops operation.
3. The unit turns on or off according to the temperature set point by sensing the room air temperature through thermistor.
4. If the fan speed selection is set to the auto position, the fan speed is automatically controlled according to the temperature difference between room temperature and temperature set point.
5. If you press the ON/OFF button during operating the unit, Relay and LED is OFF and the unit is OFF.

7. TROUBLE SHOOTING



Note 1)

- ① Neither indoor unit nor outdoor unit runs.
Check the following points first. (There are following case in normal operation)
 - a. Is the timer mode set the "timer ON".
 - b. Is the timer mode set the "timer-OFF" and the time had passed?
- ② Neither outdoor fan nor compressor runs while indoor fan runs.
Check following points first. (There are following cases in normal operation)
 - a. Is the temperature set point suitable?
 - b. Has the 3 minutes time guard for compressor operated?

Self-Diagnostic Function

• Error Code •

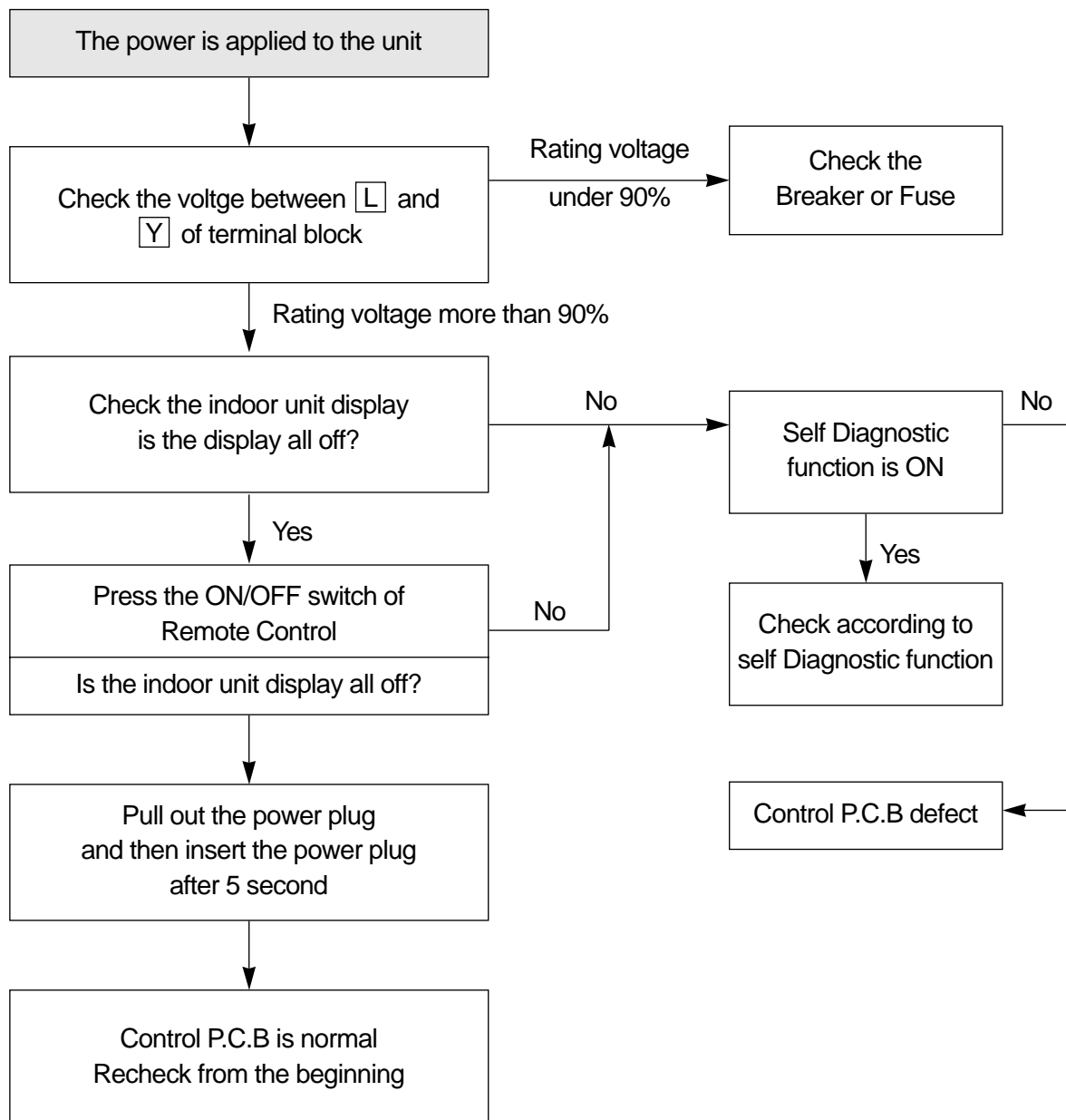
- ① When the compressor do not run.
 - i) Check the voltage between **L** and **Y** of terminal block.
(Indoor Unit, Outdoor Unit)
 - ii) Check connecting wire of indoor unit and outdoor unit.
 - iii) Check relay RL1 on power P.C.B
- ② Check fixing of indoor coil thermistor.
- ③ Check the GAS LEAKAGE of the pipe.

Neither Indoor Unit nor Outdoor Unit Runs

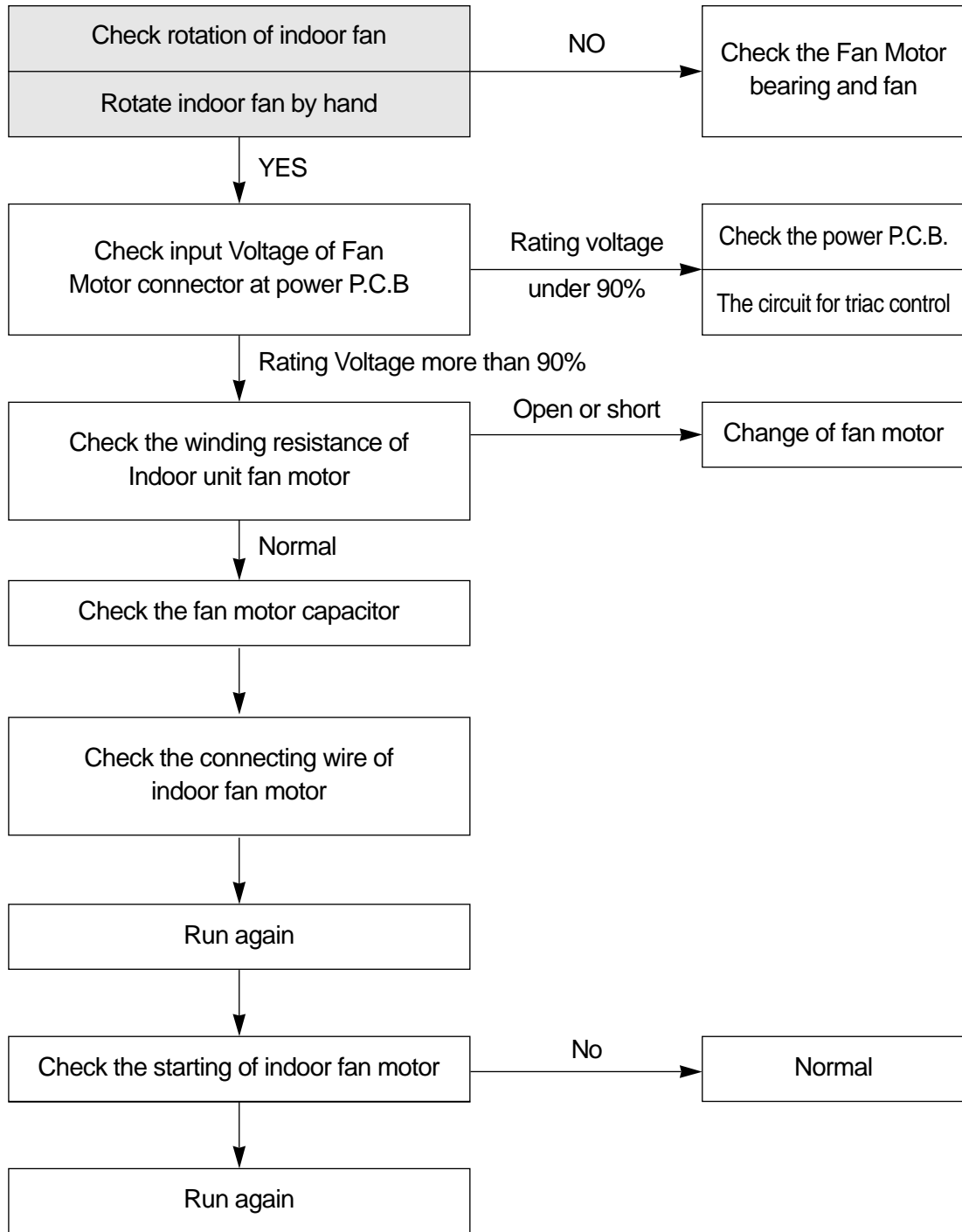
Confirm following statement.

When the unit operate normally, Sometimes the outdoor unit and indoor unit cannot operate.

- ① Check the function select switch. Is it timer mode?
- ② The function select switch locate the sleep mode and is the setting time over?
- ③ Is the setting mode DEHUMIDIFIER mode?
- ④ When the unit is DEHUMIDIFIER mode while in the auto mode, the outdoor unit and indoor unit does not run.



Outdoor Unit Runs but Indoor Fan Do Not Run

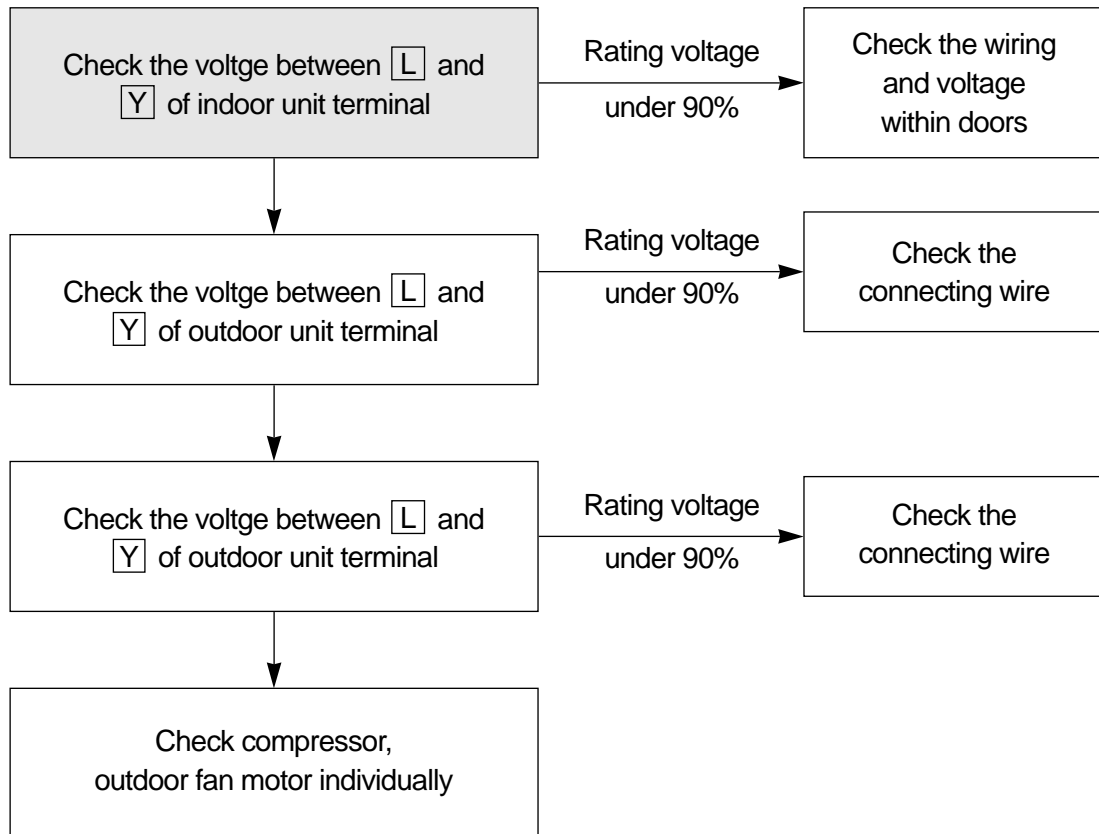


Outdoor Fan and Compressor Do Not

Confirm following statement.

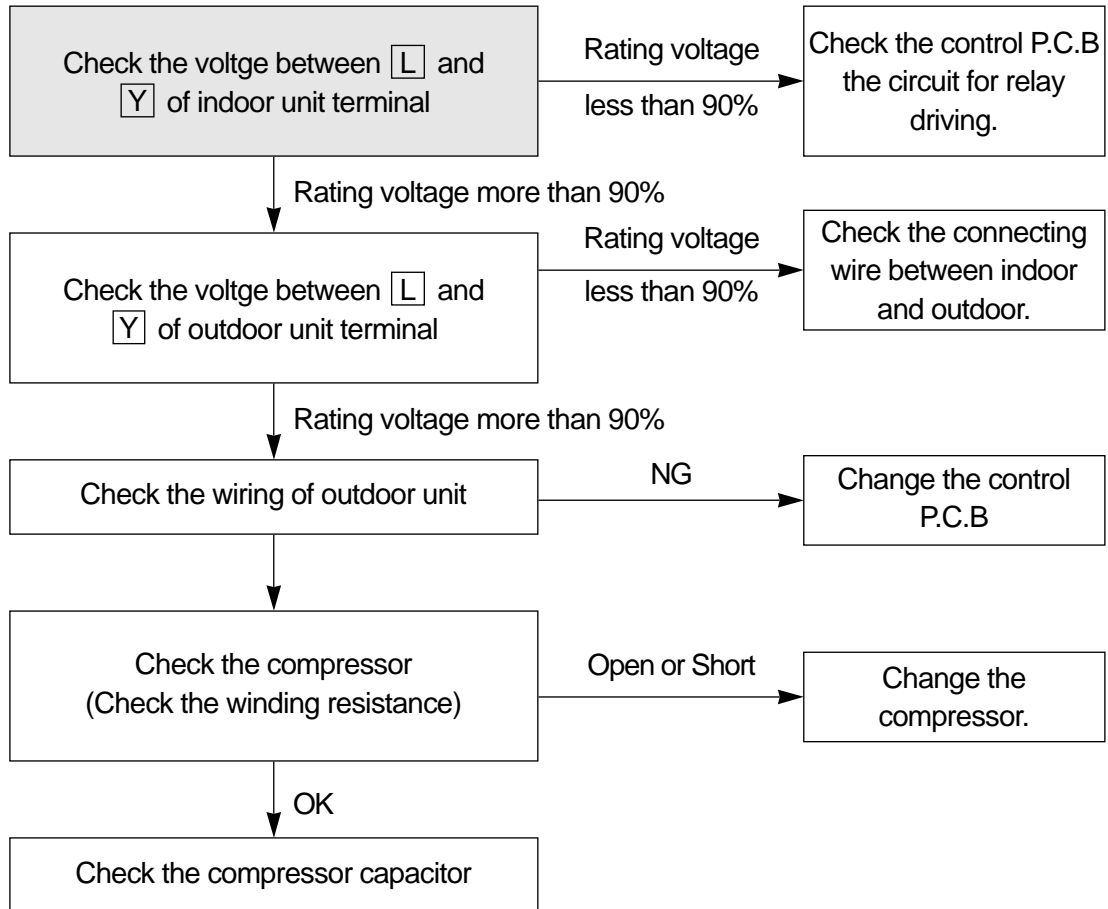
When the unit operate normally, Sometimes the outdoor unit and indoor unit cannot operate.

- ① Is the setting temperature proper?
- ② Is the unit during 3min. Time delay of compressor.
- ③ During frost prevention of Indoor unit.
- ④ During dehumidifier mode.



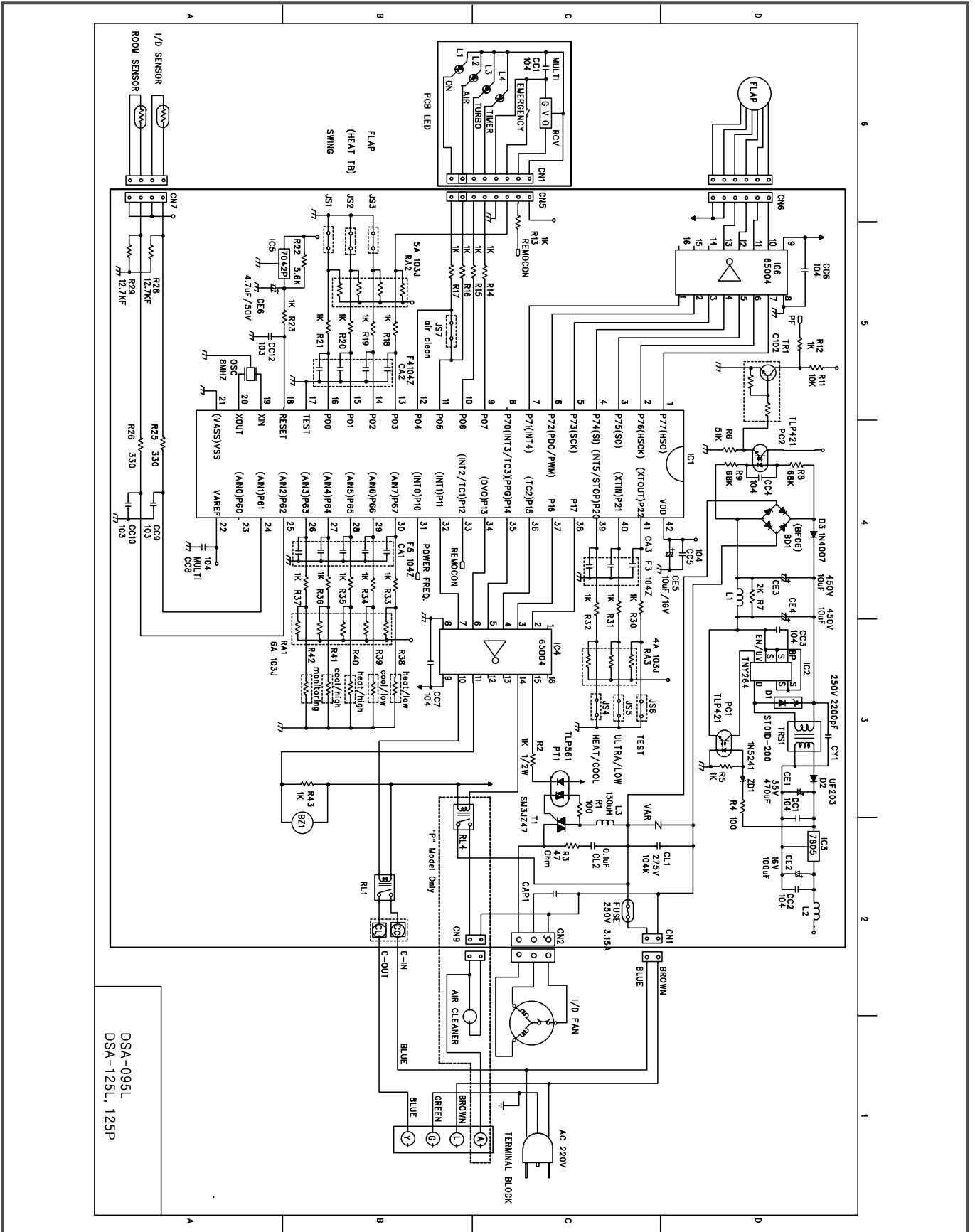
Only Compressor Do not Run

- Check the following at cooling mode

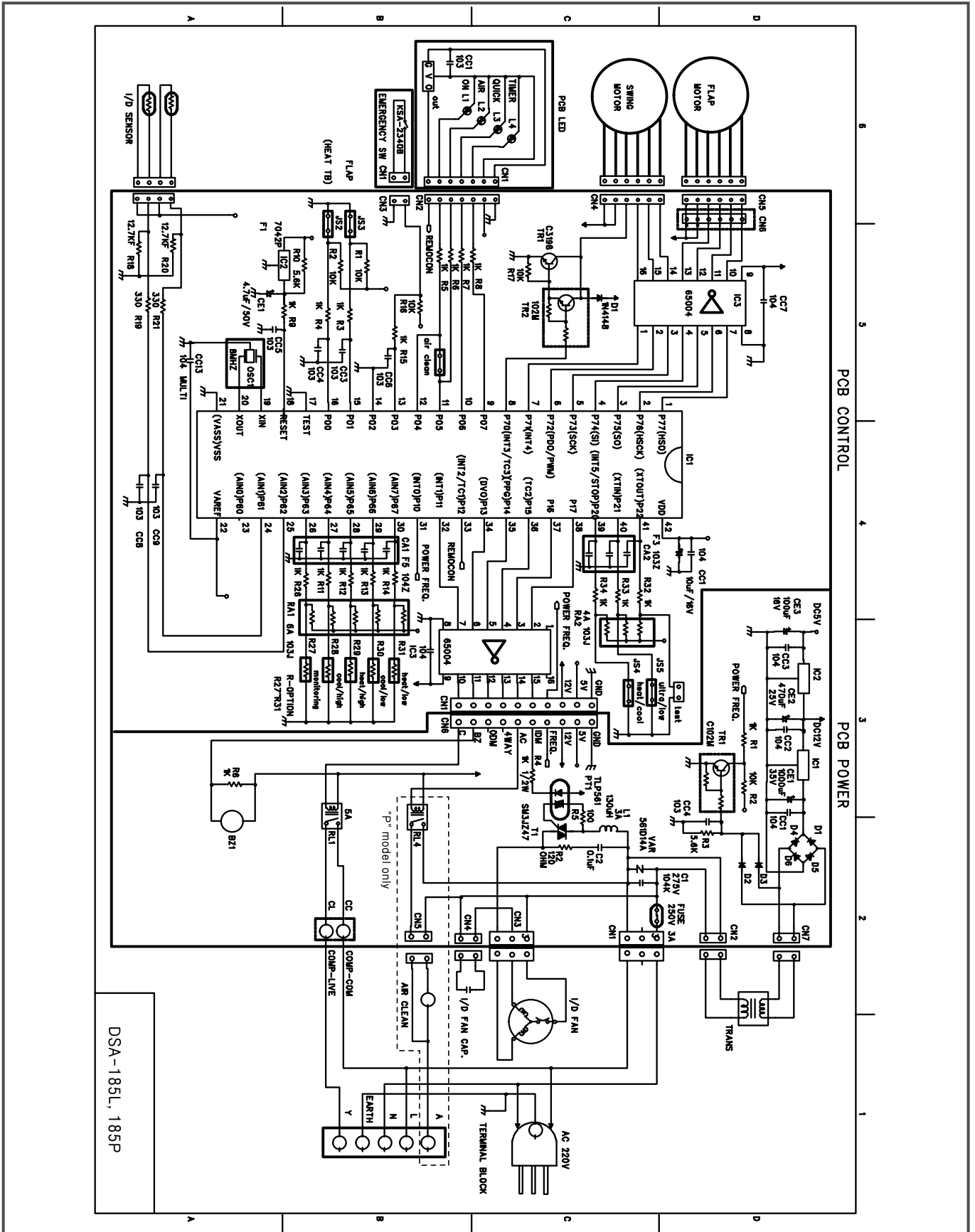


8. PCB DRIVING DESCRIPTION

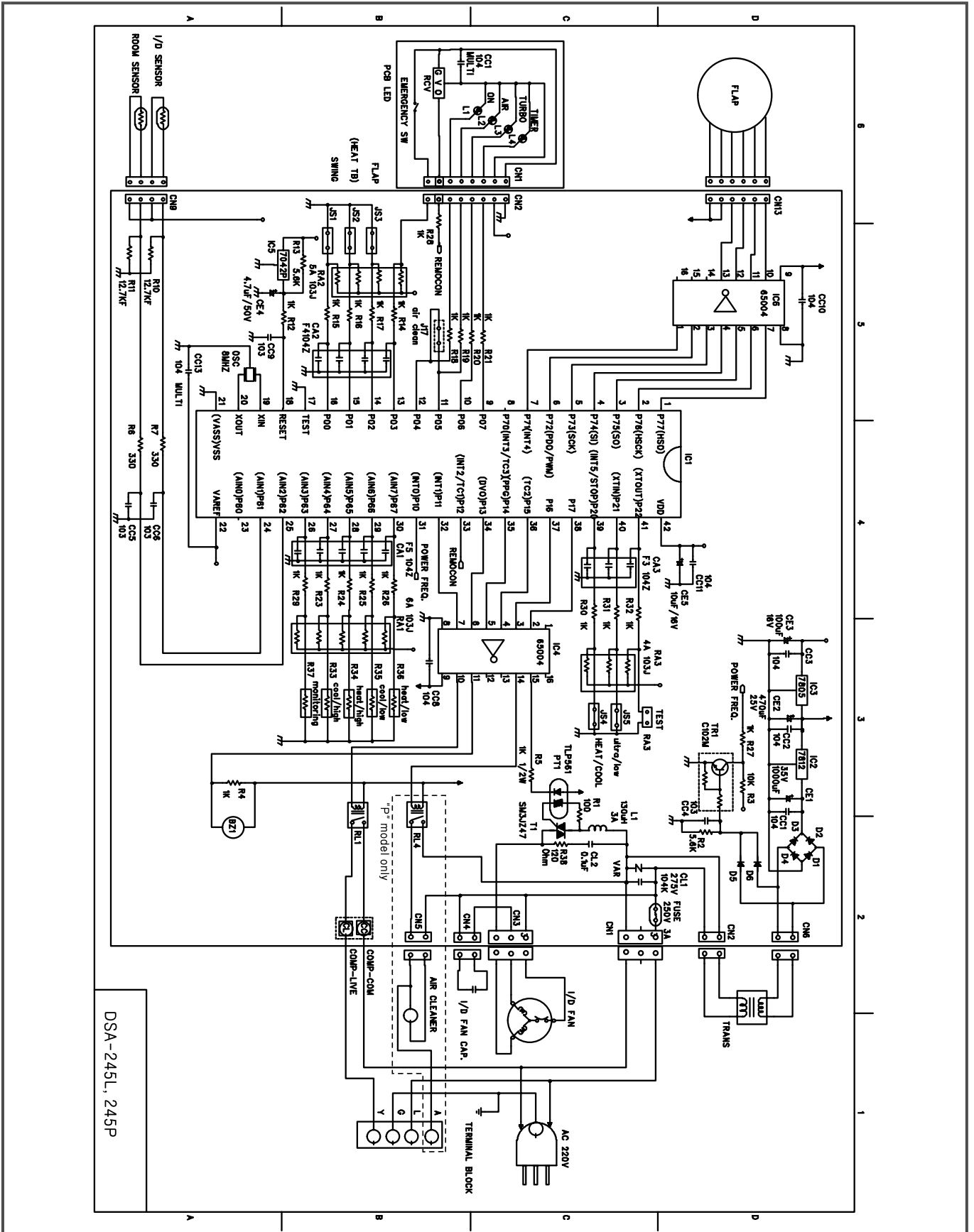
◆ DSA-095L, DSA-125L, 125P



◆ DSA-185L, 185P



◆ DSA-245L, 245P



DSA-245L, 245P

◆ DSA-095L PART LIST (Control PCB Assy)

✓ **Caution** : In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>).

No.	PART CODE	PART NAME	SPEC.	Q'TY	UNIT	REMARK
BD1	DS1NB80---	DIODE BRIDGE	S1NB80,800V	1	EA	
BZ1	3105698200	BUZZER	DP-2520BA	1	EA	
CA1	CN5XD104M-	C-ARRAY	6P(F5)X 104Z	1	EA	
CA2	CN4XD104M-	C-ARRAY	5P(F4)X 104Z	1	EA	
CA3	CN3XD104M-	C-ARRAY	4P(F3)X 104Z	1	EA	
CAP1	CMXZ2G105K	CAPACITOR MYLAR	1UF,400VAC	1	EA	
CC1	CCXE1H104M	C-CERA	104M 50VDC	1	EA	
CC10	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC12	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC2	CCXE1H104M	C-CERA	104M 50VDC	1	EA	
CC3	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC4	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC5	CCXE1H104M	C-CERA	104M 50VDC	1	EA	
CC6	CCXE1H104M	C-CERA	104M 50VDC	1	EA	
CC7	CCXE1H104M	C-CERA	104M 50VDC	1	EA	
CC8	CDXE1H104M	C-MULTI	CR501B-Z5U,104Z,50V	1	EA	
CC9	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CE1	CEXE1V477C	C-ELEC	470MF 35V SD	1	EA	
CE2	CEXE1C107C	C-ELEC	100MF 16V SD	1	EA	
CE3	CEXE2W106C	C-ELEC	10UF 450V SD	1	EA	
CE4	CEXE2W106C	C-ELEC	10UF 450V SD	1	EA	
CE5	CEXE1C106A	C-ELEC	10UF 16V SS	1	EA	
CE6	CEXE1C475A	C-ELEC	4.7UF 50V SS	1	EA	
CL1	CLV-B3104M	C-LINE ACROSS	275V 104K(PILKOR)	1	EA	
CL2	CLV-B3104M	C-LINE ACROSS	275V 104K(PILKOR)	1	EA	
CLIP	3107000600	FUSE CLIP	AFC-520	2	EA	
CN1	3108802500	WAFER	YW396-03AV	1	EA	
CN2	3108802900	WAFER	YW396-05AV	1	EA	
CN5	3108804800	WAFER	SMAW250-08	1	EA	
CN6	3118700800	WAFER	SMAW250-06	1	EA	
CN7	3118702310	WAFER	YMAW025-04R	1	EA	
CY1	CH1BFB222K	C CERA	2200PF,250V,Y1	1	EA	
D1	DZST02D200	DIODE	ST02D-200	1	EA	
D2	DZUF203---	DIODE	UF203	1	EA	
D3	DZN4007A--	DIODE	IN4007A	1	EA	
FUSE	5FVLB3152L	FUSE GLASS TUBE	250V/50T 3.15A	1	EA	
IC1	13GS5DH9--	MICOM (MAIN)	TMP87C846N-5DH9(Z)	1	EA	
IC2	1TNY264P--	IC SMPS	TNY264P	1	EA	
IC3	1L7805CV--	IC REGULATOR	L7805CV	1	EA	
IC4	13GT62004A	IC DRIVER	ULN2004AP(M)	1	EA	
IC5	1KA7042P--	IC RESET	KIA7042P 5L	1	EA	
IC6	13GT62004A	IC DRIVER	ULN2004AP(M)	1	EA	
JS7	3109400100	JUMPER	10MM	1	EA	
L1	52C102K000	CHOKER COIL	1MH,0.5A	1	EA	
L2	52F6010100	FILTER EMI	0.6*10*3TURN	1	EA	
L3	52C1374001	COIL	130UF 3A	1	EA	
OSC	5PCRTL8MS0	RESONATOR	CRTL8.00MSOT	1	EA	
PC1	1TLP421---	IC PHOTOCOUPLER	TLP421	1	EA	
PC2	1TLP421---	IC PHOTOCOUPLER	TLP421	1	EA	

No.	PART CODE	PART NAME	SPEC.	Q'TY	UNIT	REMARK
PCB	3104398104	PCB CONTROL	162.5X140X1.6T	1	EA	
PT1	1TLP560J--	IC PHOTO COUPLER	TLP 560J	1	EA	
R1	RD-4K101J-	R CARBON FILM	1/4 100 OHM J	1	EA	
R11	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	EA	
R12	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R13	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R14	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R15	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R16	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R17	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R18	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R19	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R2	RD-2K102J-	RESISTOR	1/2W - 1K OHM J	1	EA	
R20	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R21	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R22	RD-4K562J-	R CARBON FILM	1/4 5.6K OHM J	1	EA	
R23	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R25	RD-4K331J-	R CARBON FILM	1/4 330 OHM J	1	EA	
R26	RD-4K331J-	R CARBON FILM	1/4 330 OHM J	1	EA	
R28	RN-4K1272F	R METAL FILM	1/4 12.7K OHM F	1	EA	
R29	RN-4K1272F	R METAL FILM	1/4 12.7K OHM F	1	EA	
R3	RS01F470J-	R M-OXIDE FILM	1W 47 OHM J	1	EA	
R30	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R31	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R32	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R33	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R34	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R35	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R36	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R37	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R39	RN-4K5621F	R METAL FILM	1/4 5.62K OHM F	1	EA	
R4	RD-4K101J-	R CARBON FILM	1/4 100 OHM J	1	EA	
R41	RN-4K7681F	R METAL FILM	1/4 7.68K OHM F	1	EA	
R43	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R5	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R6	RD-4K513J-	R CARBON FILM	1/4 51K OHM J	1	EA	
R7	RD-4K202J-	R CARBON FILM	1/4 2K OHM J	1	EA	
R8	RD-4K683J-	R CARBON FILM	1/4 68K OHM J	1	EA	
R9	RD-4K683J-	R CARBON FILM	1/4 68K OHM J	1	EA	
RA1	RA8K5103J-	RESISTOR ARRAY	6P(5)X 103J	1	EA	
RA2	RA8K4103J-	RESISTOR ARRAY	5P(4)X 103J	1	EA	
RA3	RA8K3103J-	RESISTOR ARRAY	4P(3)X 103J	1	EA	
RL1	5SC0101210	RELAY	UKH-12S	1	EA	
T1	TSM3JZ47--	TRIAC	SM3JZ47	1	EA	
TR1	TKRC102M--	TR	KRC 102-M (TAPPING)	1	EA	
TRS1	5EMU1916--	TRANS SMPS	264P,1916	1	EA	
VAR	D15G561K--	VARISTOR	15G561K/350V	1	EA	
ZD1	DZN5241B--	DIODE ZENOR	1N5241B	1	EA	

◆ DSA-125L, 125P PART LIST (Control PCB Assy)

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No.	PART CODE	PART NAME	SPEC.	Q'TY	UNIT	REMARK
BD1	DS1NB80---	DIODE BRIDGE	S1NB80,800V	1	EA	
BZ1	3105698200	BUZZER	DP-2520BA	1	EA	
CA1	CN5XD104M-	C-ARRAY	6P(F5)X 104Z	1	EA	
CA2	CN4XD104M-	C-ARRAY	5P(F4)X 104Z	1	EA	
CA3	CN3XD104M-	C-ARRAY	4P(F3)X 104Z	1	EA	
CAP1	CMXZ2G155K	CAPACITOR MYLAR	1.5UF,400VAC	1	EA	
CC1	CCXE1H104M	C-CERA	104M 50VDC	1	EA	
CC10	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC12	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC2	CCXE1H104M	C-CERA	104M 50VDC	1	EA	
CC3	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC4	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC5	CCXE1H104M	C-CERA	104M 50VDC	1	EA	
CC6	CCXE1H104M	C-CERA	104M 50VDC	1	EA	
CC7	CCXE1H104M	C-CERA	104M 50VDC	1	EA	
CC8	CDXE1H104M	C-MULTI	CR501B-Z5U,104Z,50V	1	EA	
CC9	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CE1	CEXE1V477C	C-ELEC	470MF 35V SD	1	EA	
CE2	CEXE1C107C	C-ELEC	100MF 16V SD	1	EA	
CE3	CEXE2W106C	C-ELEC	10UF 450V SD	1	EA	
CE4	CEXE2W106C	C-ELEC	10UF 450V SD	1	EA	
CE5	CEXE1C106A	C-ELEC	10UF 16V SS	1	EA	
CE6	CEXE1C475A	C-ELEC	4.7UF 50V SS	1	EA	
CL1	CLV-B3104M	C-LINE ACROSS	275V 104K(PILKOR)	1	EA	
CL2	CLV-B3104M	C-LINE ACROSS	275V 104K(PILKOR)	1	EA	
CLIP	3107000600	FUSE CLIP	AFC-520	2	EA	
CN1	3108802500	WAFER	YW396-03AV	1	EA	
CN2	3108802900	WAFER	YW396-05AV	1	EA	
CN5	3108804800	WAFER	SMAW250-08	1	EA	
CN6	3118700800	WAFER	SMAW250-06	1	EA	
CN7	3118702310	WAFER	YMAW025-04R	1	EA	
CN9	3108802800	WAFER	YW396-03AV(BLUE)	1	EA	"P" model only
CY1	CH1BFB472K	C CERA	4700PF,250V,Y1	1	EA	
CY2	CH1BFB472K	C CERA	4700PF,250V,Y1	1	EA	
D1	DZST02D200	DIODE	ST02D-200	1	EA	
D2	DZUF203---	DIODE	UF203	1	EA	
D3	DZN4007A--	DIODE	IN4007A	1	EA	
FUSE	5FVLB3152L	FUSE GLASS TUBE	250V/50T 3.15A	1	EA	
IC1	13GS5DH9--	MICOM (MAIN)	TMP87C846N-5DH9(Z)	1	EA	
IC2	1TNY264P--	IC SMPS	TNY264P	1	EA	
IC3	1L7805CV--	IC REGULATOR	L7805CV	1	EA	
IC4	13GT62004A	IC DRIVER	ULN2004AP(M)	1	EA	
IC5	1KA7042P--	IC RESET	KIA7042P 5L	1	EA	
IC6	13GT62004A	IC DRIVER	ULN2004AP(M)	1	EA	
L1	52C102K000	CHOKER COIL	1MH,0.5A	1	EA	
L2	52C102K000	CHOKER COIL	1MH,0.5A	1	EA	
L3	52C1374001	COIL	130UF 3A	1	EA	
L4	52C102K000	CHOKER COIL	1MH,0.5A	1	EA	
OSC	5PCRTL8MS0	RESONATOR	CRTL8.00MSOT	1	EA	
PC1	1TLP421---	IC PHOTOCOUPLER	TLP421	1	EA	

No.	PART CODE	PART NAME	SPEC.	Q'TY	UNIT	REMARK
PC2	1TLP421---	IC PHOTOCOUPLER	TLP421	1	EA	
PCB	3104398113	PCB CONTROL	180X126X1.6T	1	EA	
PT1	1TLP560J--	IC PHOTO COUPLER	TLP 560J	1	EA	
R1	RD-4K101J-	R CARBON FILM	1/4 100 OHM J	1	EA	
R11	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	EA	
R12	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R13	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R14	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R15	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R16	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R17	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R18	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R19	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R2	RD-2K102J-	RESISTOR	1/2W - 1K OHM J	1	EA	
R20	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R21	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R22	RD-4K562J-	R CARBON FILM	1/4 5.6K OHM J	1	EA	
R23	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R25	RD-4K331J-	R CARBON FILM	1/4 330 OHM J	1	EA	
R26	RD-4K331J-	R CARBON FILM	1/4 330 OHM J	1	EA	
R28	RN-4K1272F	R METAL FILM	1/4 12.7K OHM F	1	EA	
R29	RN-4K1272F	R METAL FILM	1/4 12.7K OHM F	1	EA	
R3	RS01F470J-	R M-OXIDE FILM	1W 47 OHM J	1	EA	
R30	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R31	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R32	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R33	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R34	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R35	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R36	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R37	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R39	RN-4K4121F	R METAL FILM	1/4 4.12K OHM F	1	EA	
R4	RD-4K101J-	R CARBON FILM	1/4 100 OHM J	1	EA	
R41	RN-4K6341F	R METAL FILM	1/4 6.34K OHM F	1	EA	
R43	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R44	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R5	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R6	RD-4K513J-	R CARBON FILM	1/4 51K OHM J	1	EA	
R8	RD-4K683J-	R CARBON FILM	1/4 68K OHM J	1	EA	
R9	RD-4K683J-	R CARBON FILM	1/4 68K OHM J	1	EA	
RA1	RA8K5103J-	RESISTOR ARRAY	6P(5)X 103J	1	EA	
RA2	RA8K4103J-	RESISTOR ARRAY	5P(4)X 103J	1	EA	
RA3	RA8K3103J-	RESISTOR ARRAY	4P(3)X 103J	1	EA	
RL1	5SC0101210	RELAY	UKH-12S	1	EA	
RL4	5SC0101310	RELAY	US11-12S	1	EA	"P" model only
T1	TSM3JZ47--	TRIAC	SM3JZ47	1	EA	
TR1	TKRC102M--	TR	KRC 102-M (TAPPING)	1	EA	
TRS1	5EMU1916--	TRANS SMPS	264P,1916	1	EA	
VAR	D15G561K--	VARISTOR	15G561K/350V	1	EA	
ZD1	DZN5241B--	DIODE ZENOR	1N5241B	1	EA	

◆ DSA-185L, 185P PART LIST (Control PCB Assy)

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No.	PART CODE	PART NAME	SPEC.	Q'TY	UNIT	REMARK
CA1	CN5XD104M-	C-ARRAY	6P(F5)X 104Z	1	EA	
CA2	CN3XD104M-	C-ARRAY	4P(F3)X 104Z	1	EA	
CC1	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC13	CDXE1H104M	C-MULTI	CR501B-Z5U,104Z,50V	1	EA	
CC2	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC3	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC4	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC5	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC6	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC7	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC8	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC9	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CE1	CEXE1C475A	C-ELEC	4.7UF 50V SS	1	EA	
CE2	CEXE1C106A	C-ELEC	10UF 16V SS	1	EA	
CN1	3108802400	WAFER	SMAW250-10(RED)	1	EA	
CN2	3108804100	WAFER	SMW250-07	1	EA	
CN3	3108804200	WAFER	SMW250-02(RED)	1	EA	
CN4	3108802010	WAFER	SMW250-06(RED)	1	EA	
CN5	3108802000	WAFER	SMW250-06	1	EA	
CN6	3108802000	WAFER	SMW250-06	1	EA	
CN8	3108804500	WAFER	5267-04A	1	EA	
D1	DZN4148FTB	DIODE	1N4148 AUTO 26MM	1	EA	
F1	3109400050	JUMPER	5MM	1	EA	
IC1	13GS5DH9--	MICOM (MAIN)	TMP87C846N-5DH9(Z)	1	EA	
IC2	1KA7042P--	IC RESET	KIA7042P 5L	1	EA	
IC3	13GT62004A	IC DRIVER	ULN2004AP(M)	1	EA	
IC4	13GT62004A	IC DRIVER	ULN2004AP(M)	1	EA	
JS1	3109400100	JUMPER	10MM	1	EA	
JS3	3109400100	JUMPER	10MM	1	EA	
OSC1	5PCRTL8MS0	RESONATOR	CRTL8.00MSOT	1	EA	
PCB	3104397163	PCB CONTROL	110*90.5*1.6T(99)	1	EA	

No.	PART CODE	PART NAME	SPEC.	Q'TY	UNIT	REMARK
R1	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	EA	
R10	RD-4K562J-	R CARBON FILM	1/4 5.6K OHM J	1	EA	
R11	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R12	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R13	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R14	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R16	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	EA	
R17	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	EA	
R18	RN-4K1272F	R METAL FILM	1/4 12.7K OHM F	1	EA	
R19	RD-4K331J-	R CARBON FILM	1/4 330 OHM J	1	EA	
R2	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	EA	
R20	RN-4K1272F	R METAL FILM	1/4 12.7K OHM F	1	EA	
R21	RD-4K331J-	R CARBON FILM	1/4 330 OHM J	1	EA	
R26	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R28	RN-4K1471F	R METAL FILM	1/4 1.47K OHM F	1	EA	
R3	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R30	RN-4K6341F	R METAL FILM	1/4 6.34K OHM F	1	EA	
R32	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R33	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R34	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R4	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R5	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R6	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R7	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R8	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R9	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
RA1	RA8K5103J-	RESISTOR ARRAY	6P(5)X 103J	1	EA	
RA2	RA8K3103J-	RESISTOR ARRAY	4P(3)X 103J	1	EA	
TEST	3108804400	WAFER	YFAW254-02	1	EA	
TR1	TZTC3198Y-	TRANSISTOR	KTC3198Y-(1815Y) (AUTO)	1	EA	
TR2	TKRC102M--	TR	KRC 102-M (TAPPING)	1	EA	

◆ DSA-185L, 185P PART LIST (Power PCB Assy)

✓ **Caution** : In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>).

No.	PART CODE	PART NAME	SPEC.	Q'TY	UNIT	REMARK
BZ1	3105698200	BUZZER	DP-2520BA	1	EA	
C1	CLV-B3104M	C-LINE ACROSS	275V 104K(PILKOR)	1	EA	
C2	CLV-B3104M	C-LINE ACROSS	275V 104K(PILKOR)	1	EA	
CC1	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC2	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC3	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC4	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CE1	CEXE1V228C	C-ELEC	2200UF/35V RS	1	EA	
CE2	CEXE1E477C	C-ELEC	470MF 25V SD	1	EA	
CE3	CEXE1C107C	C-ELEC	100MF 16V SD	1	EA	
CLIP	3107000600	FUSE CLIP	AFC-520	2	EA	
CN1	3108803900	WAFER	YW396-05AV(RED)	1	EA	
CN2	3108803800	WAFER	YFW800-02	1	EA	
CN3	3108802900	WAFER	YW396-05AV	1	EA	
CN4	3108802500	WAFER	YW396-03AV	1	EA	
CN5	3108802800	WAFER	YW396-03AV(BLUE)	1	EA	
CN6	3108802100	WAFER	SMW250-10	1	EA	
CN7	3108800320	WAFER	5281-02A	1	EA	
D1	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
D2	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
D3	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
D4	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
D5	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
D6	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
FUSE	5FVLB3152L	FUSE GLASS TUBE	250V/50T 3.15A	1	EA	
HS1	3105797200	HEAT SHINK	T17*W23*H22	1	EA	
IC1	1L7812CV--	IC REGULATOR	L7812CV	1	EA	
IC2	1L7805CV--	IC REGULATOR	L7805CV	1	EA	
L1	52C1374001	COIL	130UF 3A	1	EA	
PCB	3104396142	PCB POWER	110*80*1.6T(96)	1	EA	
PT1	1TLP560J--	IC PHOTO COUPLER	TLP 560J	1	EA	
R1	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R2	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	EA	
R3	RD-4K562J-	R CARBON FILM	1/4 5.6K OHM J	1	EA	
R4	RD-2K102J-	RESISTOR	1/2W - 1K OHM J	1	EA	
R5	RD-4K101J-	R CARBON FILM	1/4 100 OHM J	1	EA	
R6	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R7	RS01F121J-	R M-OXIDE FILM	1W 120 OHM J	1	EA	
RL1	3119300100	RELAY	PCF112D1M 250V 25/20A	1	EA	
RL4	5SC0101404	SW RELAY	OJ-SS-112LM 1C 1P	1	EA	
T1	TSM3JZ47--	TRIAC	SM3JZ47	1	EA	
TR1	TKRC102M--	TR	KRC 102-M (TAPPING)	1	EA	
VAR	D15G561K--	VARISTOR	15G561K/350V	1	EA	

◆ DSA-245L, 245P PART LIST (Control PCB Assy)

✓ **Caution** : In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>).

No.	PART CODE	PART NAME	SPEC.	Q'TY	UNIT	REMARK
BZ1	3105698200	BUZZER	DP-2520BA	1	EA	
CA1	CN5XD104M-	C-ARRAY	6P(F5)X 104Z	1	EA	
CA2	CN4XD104M-	C-ARRAY	5P(F4)X 104Z	1	EA	
CA3	CN3XD104M-	C-ARRAY	4P(F3)X 104Z	1	EA	
CC	3108803500	PIN	GP881206-2(250)	1	EA	
CC1	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC10	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC11	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC13	CDXE1H104M	C-MULTI	CR501B-Z5U,104Z,50V	1	EA	
CC2	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC3	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC4	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC5	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC6	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CC8	CCXE1E104M	C-CERA	104Z 25VDC	1	EA	
CC9	CCXE1H103M	C-CERA	103M 50VDC	1	EA	
CE1	CEXE1V228C	C-ELEC	2200UF/35V RS	1	EA	
CE2	CEXE1E477C	C-ELEC	470MF 25V SD	1	EA	
CE3	CEXE1C107C	C-ELEC	100MF 16V SD	1	EA	
CE4	CEXE1C475A	C-ELEC	4.7UF 50V SS	1	EA	
CE5	CEXE1C106A	C-ELEC	10UF 16V SS	1	EA	
CL	3108803500	PIN	GP881206-2(250)	1	EA	
CL1	CLV-B3104M	C-LINE ACROSS	275V 104K(PILKOR)	1	EA	
CL2	CLV-B3104M	C-LINE ACROSS	275V 104K(PILKOR)	1	EA	
CLIP	3107000600	FUSE CLIP	AFC-520	2	EA	
CN1	3108803900	WAFER	YW396-05AV(RE D)	1	EA	
CN11	3108804000	WAFER	SMW250-08	1	EA	
CN13	3108802000	WAFER	SMW250-06	1	EA	
CN2	3108803800	WAFER	YFW800-02	1	EA	
CN3	3108802900	WAFER	YW396-05AV	1	EA	
CN4	3108802500	WAFER	YW396-03AV	1	EA	
CN5	3108802800	WAFER	YW396-03AV(BLUE)	1	EA	"P" model only
CN6	3108800320	WAFER	5281-02A	1	EA	
CN9	3108804500	WAFER	5267-04A	1	EA	
D1	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
D2	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
D3	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
D4	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
D5	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
D6	DZN4004A--	DIODE	KN4004A AUTO 52MM	1	EA	
F1	3109400050	JUMPER	5MM	1	EA	
FUSE	5FVLB3152L	FUSE GLASS TUBE	250V/50T 3.15A	1	EA	
HS1	3105797200	HEAT SHINK	T17*W23*H22	1	EA	
IC1	13GS5DH9--	MICOM (MAIN)	TMP87C846N-5DH9(Z)	1	EA	
IC2	1L7812CV--	IC REGULATOR	L7812CV	1	EA	
IC3	1L7805CV--	IC REGULATOR	L7805CV	1	EA	
IC4	13GT62004A	IC DRIVER	ULN2004AP(M)	1	EA	
IC5	1KA7042P--	IC RESET	KIA7042P 5L	1	EA	
IC6	13GT62004A	IC DRIVER	ULN2004AP(M)	1	EA	

No.	PART CODE	PART NAME	SPEC.	Q'TY	UNIT	REMARK
J1 14	3109400100	JUMPER	10MM	14	EA	
J1~14	3109400100	JUMPER	10MM	14	EA	
L1	52C1374001	COIL	130UF 3A	1	EA	
OSC	5PCRTL8MS0	RESONATOR	CRTL8.00MSOT	1	EA	
PCB	3104398102	PCB MAIN	160.5*140*1.6T(42)	1	EA	
PT1	1TLP560J--	IC PHOTO COUPLER	TLP 560J	1	EA	
R1	RD-4K101J-	R CARBON FILM	1/4 100 OHM J	1	EA	
R10	RN-4K1272F	R METAL FILM	1/4 12.7K OHM F	1	EA	
R11	RN-4K1272F	R METAL FILM	1/4 12.7K OHM F	1	EA	
R12	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R13	RD-4K562J-	R CARBON FILM	1/4 5.6K OHM J	1	EA	
R14	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R15	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R16	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R17	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R18	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R19	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R2	RD-4K562J-	R CARBON FILM	1/4 5.6K OHM J	1	EA	
R20	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R21	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R23	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R24	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R25	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R26	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R27	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R28	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R29	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R3	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	EA	
R30	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R31	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R32	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R33	RN-4K1501F	R METAL FILM	1/4 1.5K OHM F	1	EA	
R35	RN-4K1821F	R METAL FILM	1/4 1.82K OHM F	1	EA	
R38	RS01F121J-	R M-OXIDE FILM	1W 120 OHM J	1	EA	
R4	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	EA	
R5	RD-2K102J-	RESISTOR	1/2W - 1K OHM J	1	EA	
R6	RD-4K331J-	R CARBON FILM	1/4 330 OHM J	1	EA	
R7	RD-4K331J-	R CARBON FILM	1/4 330 OHM J	1	EA	
RA1	RA8K5103J-	RESISTOR ARRAY	6P(5)X 103J	1	EA	
RA2	RA8K4103J-	RESISTOR ARRAY	5P(4)X 103J	1	EA	
RA3	RA8K3103J-	RESISTOR ARRAY	4P(3)X 103J	1	EA	
RL1	5SC0101404	SW RELAY	OJ-SS-112LM 1C 1P	1	EA	
RL4	5SC0101404	SW RELAY	OJ-SS-112LM 1C 1P	1	EA	"P" model only
SCRW	7122401211	SCREW TAPPING	T2S TRS 4X12 MFZN	1	EA	
T1	TSM3JZ47--	TRIAC	SM3JZ47	1	EA	
TEST	3108804400	WAFER	YFAW254-02	1	EA	
TR1	TKRC102M--	TR	KRC 102-M (TAPPING)	1	EA	
VAR	D15G561K--	VARISTOR	15G561K/350V	1	EA	
WSHR	3106002900	WASHER	3*6	1	EA	

◆LED PCB ASS`Y (MODEL : DSA-095L)

No	PART CODE	PART NAME	SPEC	Q'TY	UNIT	REMARK
CC1	CDXE1H104M	C-MULTI	CR501B-Z5U,104Z,50V	1	EA	
CN1	3108804800	WAFER	SMAW250-08	1	EA	
HOLD	3103002700	HOLDER LED	ABS	1	EA	
L1	DDLS05031D	LED	DL50-5031D(REDF)	1	EA	
L2	DDL05031D	LED	DLG-5031D(GRN)	1	EA	
L3	DDLS05031D	LED	DL50-5031D(REDF)	1	EA	
L4	DDL05031D	LED	DLY-5031D(YLW)	1	EA	
PCB	3104398201	PCB LED	110*31*1.6T.10(288)	1	EA	
RCV	1TSP1838YA	RECEIVER MODULE	TSOP-1838YA1(HOLDER)	1	EA	
SW1	5S40202000	S/W PUSH	JPS2281	1	EA	

◆LED PCB ASS`Y (MODEL : DSA-245L, 245P)

No	PART CODE	PART NAME	SPEC	Q'TY	UNIT	REMARK
CC1	CDXE1H104M	C-MULTI	CR501B-Z5U,104Z,50V	1	EA	
CN1	3108804800	WAFER	SMAW250-08	1	EA	
HOLD	3103004100	HOLDER LED	DSB-240L/LH	1	EA	
L1	DDLS05031D	LED	DL50-5031D(REDF)	1	EA	
L2	DDL05031D	LED	DLG-5031D(GRN)	1	EA	
L3	DDLS05031D	LED	DL50-5031D(REDF)	1	EA	
L4	DDL05031D	LED	DLY-5031D(YLW)	1	EA	
PCB	3104398202	PCB LED	150*24.5*1.6T(240)	1	EA	
RCV	1TSP1838YA	RECEIVER MODULE	TSOP-1838YA1(HOLDER)	1	EA	
SW1	5S40202000	S/W PUSH	JPS2281	1	EA	

◆LED PCB ASS`Y (MODEL : DSA-125L, 125P)

No	PART CODE	PART NAME	SPEC	Q'TY	UNIT	REMARK
CC1	CXCH1H103M	C CERA	103J/50 20%	1	EA	
CN1	3108804600	WAFER	SMAW250-07	1	EA	
HOLD	3103001900	LED HOLDER	ABS(VO) T2.0	1	EA	
L1	DDSR302D--	LED	DLSR-302D(REDF)	1	EA	
L2	DDL0302D--	LED	DLG-302D	1	EA	
L3	DDSR302D--	LED	DLSR-302D(REDF)	1	EA	
L4	DDL0302D--	LED	DLY-302D	1	EA	
PCB	3104397402	LED PCB	72*50*1.6T(247)	1	EA	
RCV	1TSP1838YA	RECEIVER MODULE	TSOP-1838YA1(HOLDER)	1	EA	

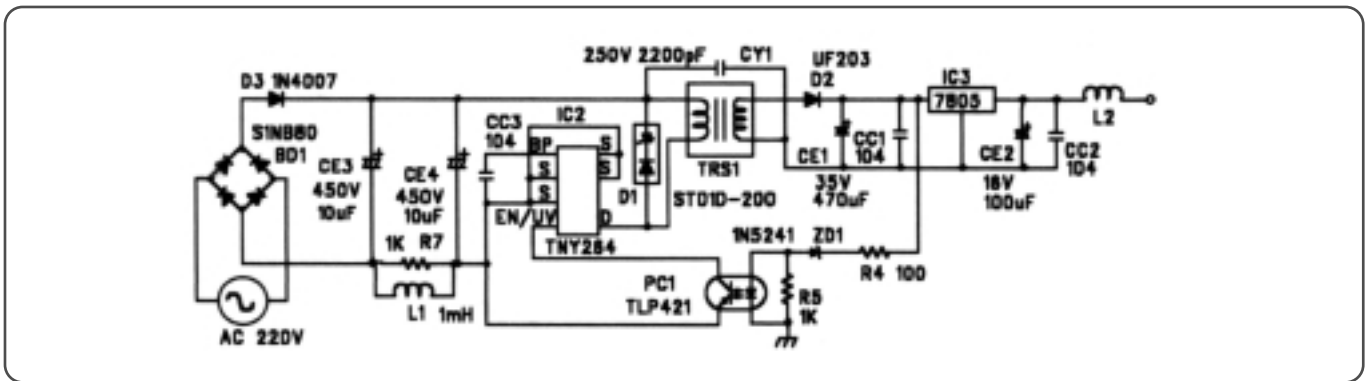
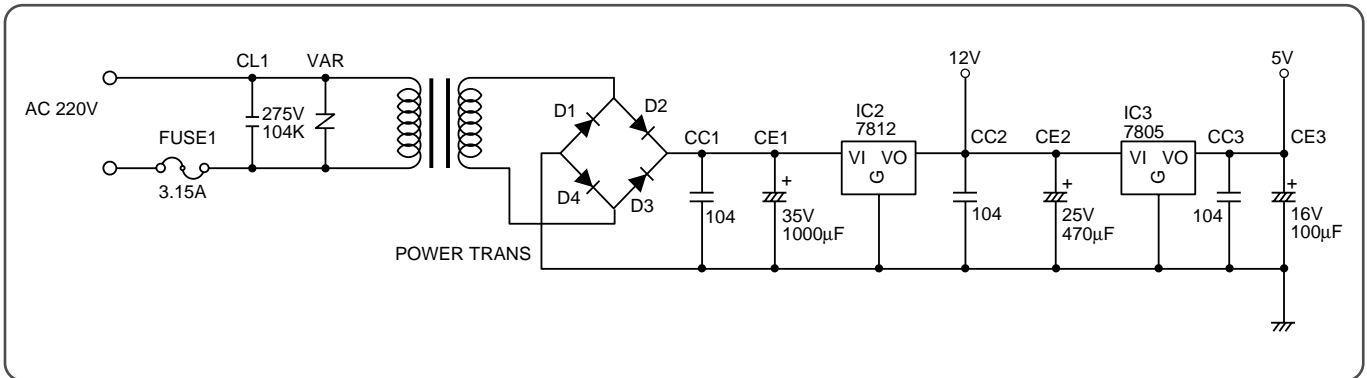
◆LED PCB ASS`Y (MODEL : DSA-185L, 185P)

No	PART CODE	PART NAME	SPEC	Q'TY	UNIT	REMARK
CC1	CXCH1H103M	C CERA	103J/50 20%	1	EA	
CN1	3108804600	WAFER	SMAW250-07	1	EA	
HOLD	3103001100	LED HOLDER	ABS (BLK)	1	EA	
L1	DDSR302D--	LED	DLSR-302D(REDF)	1	EA	
L2	DDL0302D--	LED	DLG-302D	1	EA	
L3	DDSR302D--	LED	DLSR-302D(REDF)	1	EA	
L4	DDL0302D--	LED	DLY-302D	1	EA	
PCB	3104395412	LED PCB	67.5*40*1.6T(350)	1	EA	
RCV	1TSP1838YA	RECEIVER MODULE	TSOP-1838YA1(HOLDER)	1	EA	

◆SWITCH PCB ASS`Y (MODEL : DSA-185L, 185P)

No	PART CODE	PART NAME	SPEC	Q'TY	UNIT	REMARK
CN1	3108804700	WAFER	SMAW250-02	1	EA	
PCB	3104395311	S/W PCB	36*29.5*1.6T(891)	1	EA	
SW1	5S30101330	SWITCH SLIDE	KSA-2340B	1	EA	

Power Supply(1)



DESCRIPTION

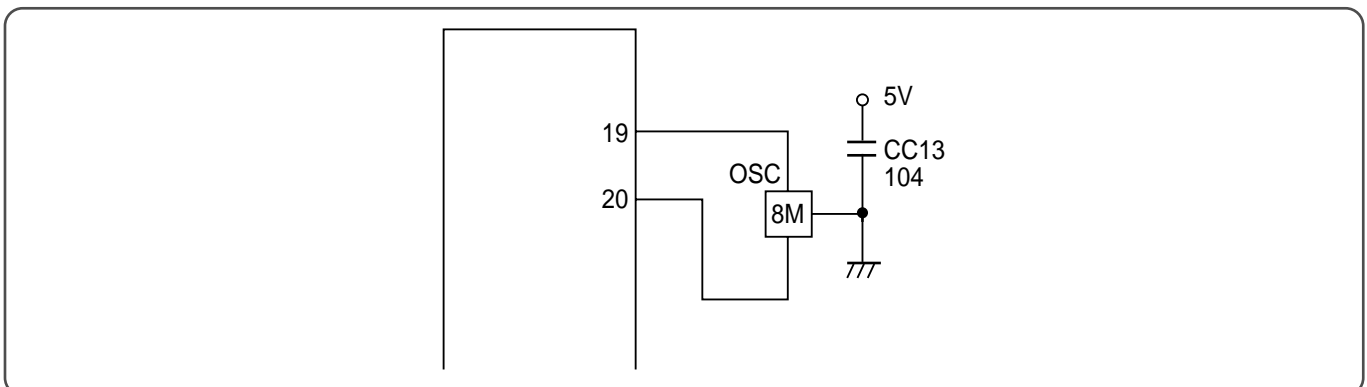
DC Power Supply in circuit needs +12V and +5V. +12V is used for Compressor Driving Relay, Triac Driving Photo Triac, Buzzer Driving Swing, Sweep Motor. AC voltage of secondary Power Transformer is rectified by Bridge Diode, and it is filtering by Main Condenser CE1.

Filtered DC voltage is about +18V, is regulated +12V DC by Regulator IC7812.

And it is regulated +5V DC by Regulator IC7805.

VAR is surge filter and CC1, CC2, CC3 is Noise filter.

Oscillator(2)



DESCRIPTION

Oscillatory Frequency drive Micom, it is made up 8MHz resonator oscillatory Frequency. Oscillatory wave is as following Fig 2-1.

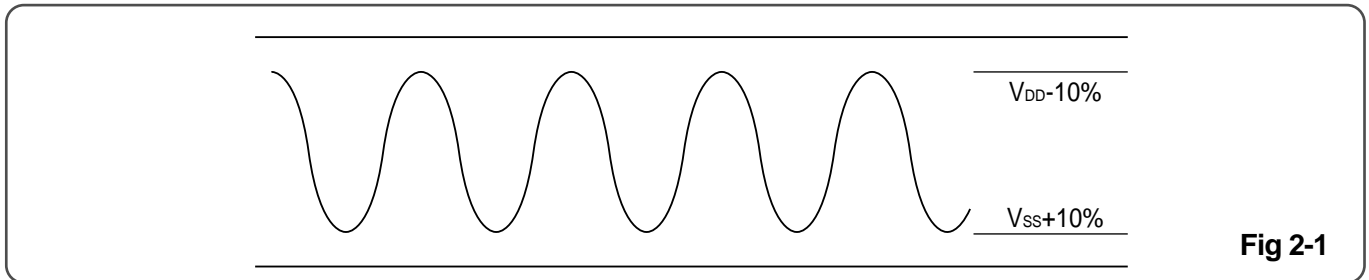
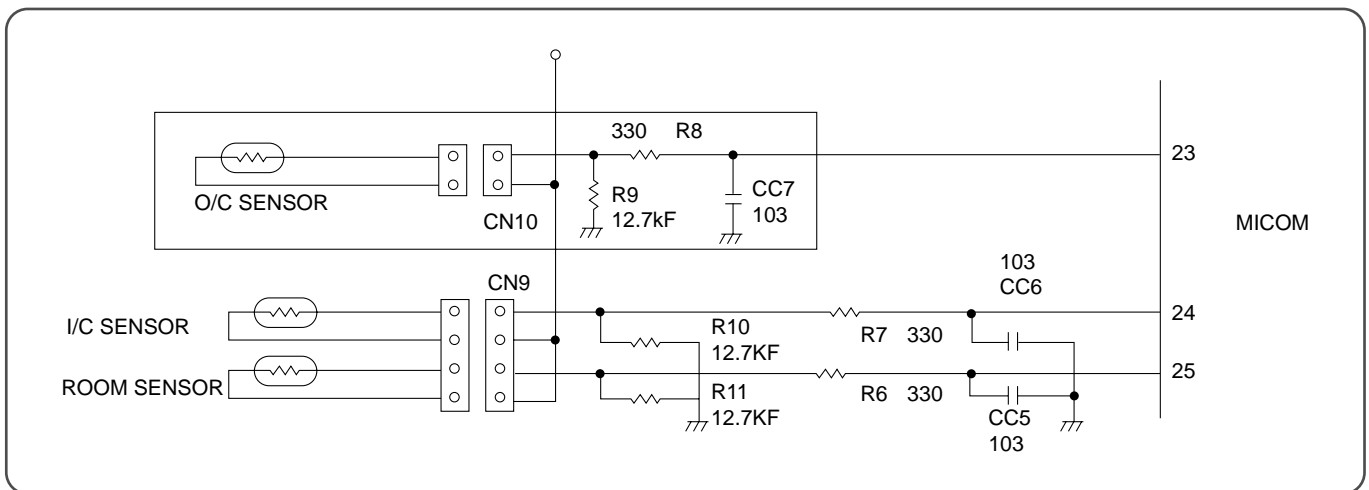


Fig 2-1

Sensor(3)

Room temperature and Evaporator temperature Sensor Input



DESCRIPTION

Number 24, 25 of Micom is Terminal of A/D convertor Input.

Room temperature and Evaporator temperature is sensing by change of Thermister Resistance, Micom is put in 5V by ratio between R10 (12.7KΩ) and R11 (12.7KΩ).

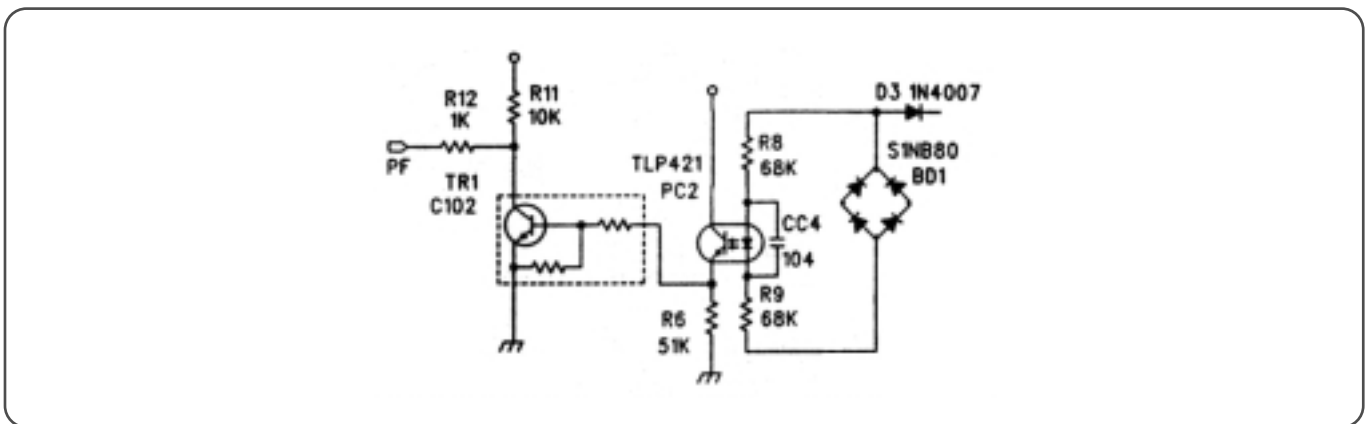
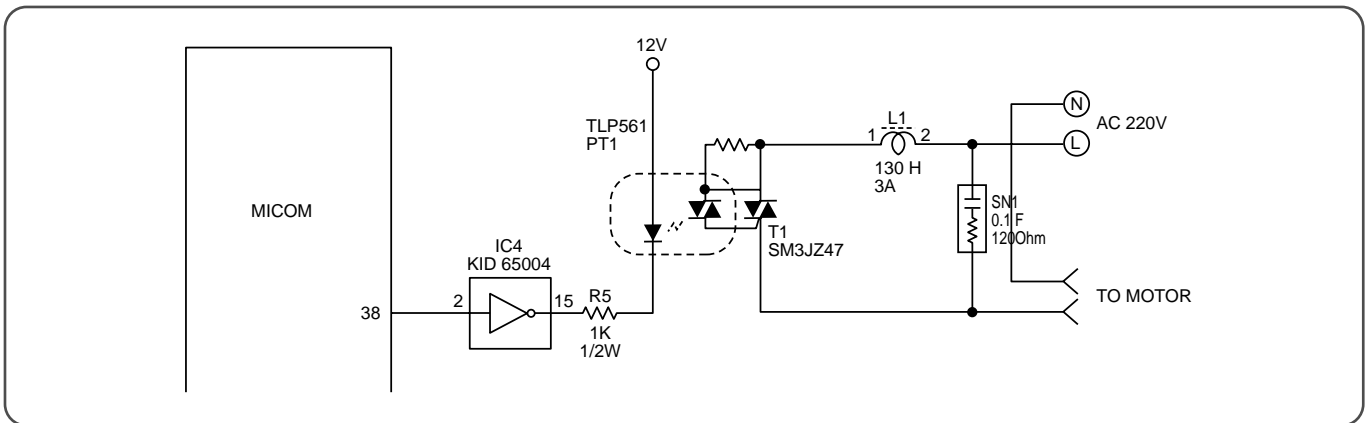
Relation between temperature and voltage is following Table 3-1.

CC5, 6 is Noise filter.

Temperature (°C)	Voltage (V)	
	No. 1	No. 3
-5	1.127	1.127
0	1.378	1.378
5	1.650	1.650
10	1.936	1.936
15	2.228	2.228

Table 3-1

Triac Driving(4)



DESCRIPTION

Number 38 Terminal of Micom is put out Pulse Output, by way of Buffer it is driving Photo Triac is supplied Trigger Signal.

Trigger Test of Triac is detected Zero Cross Part of AC input and it is triggered from Zero Cross part to Time delay part according to Fan Speed. (Ref. Fig 4-1) SN1 is Snubber.

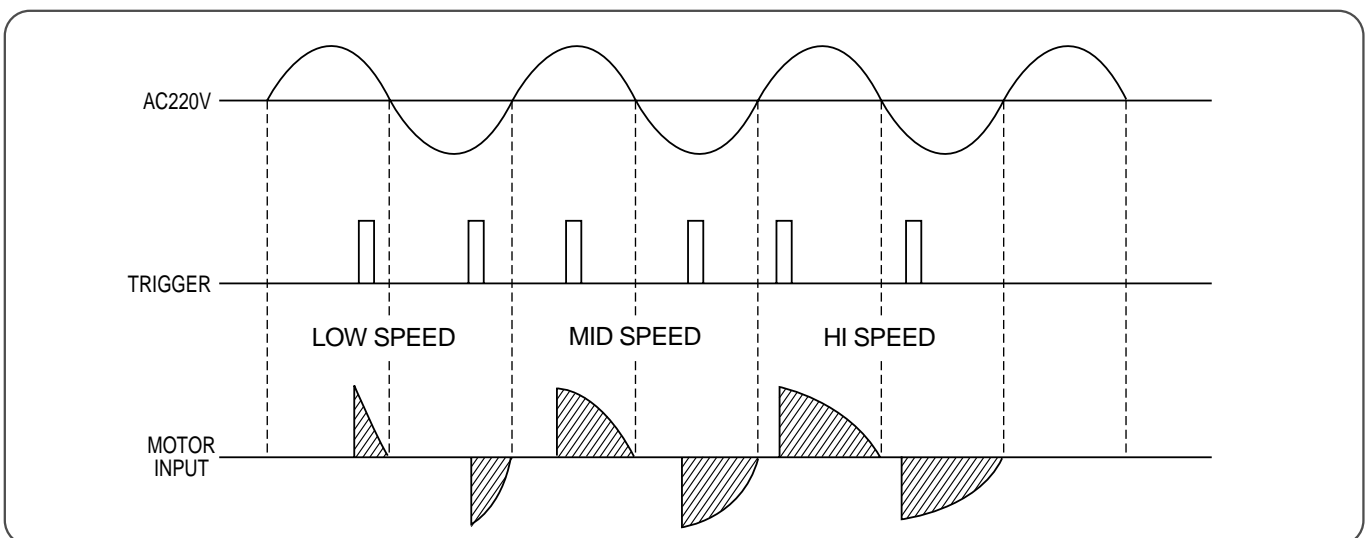


Fig 4-1

Remote Controller(5)

DESCRIPTION

Signal from Remote Controller put in only Control Data Signal at Micom Terminal of Number 33, which is gotten from Carrier (38KHz) from Receive Module. Signal Wave repeat third as following Fig 5-1. But in Secondary Wave Custom Code is Reversed Face.

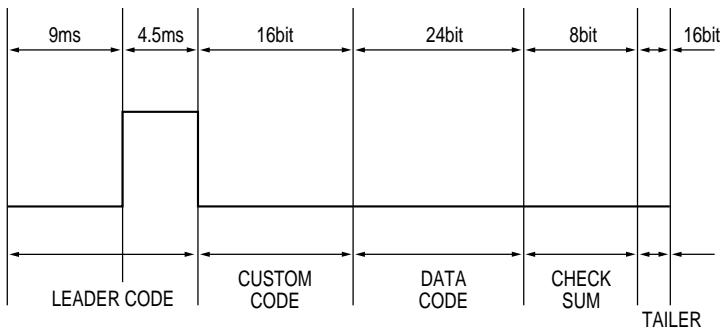


Fig 5-1

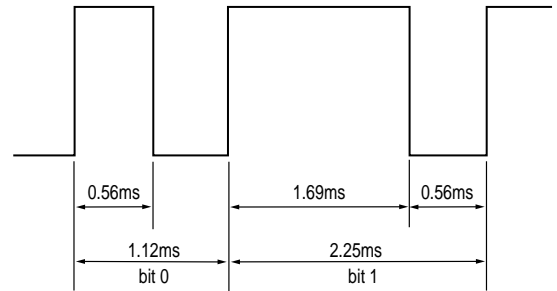
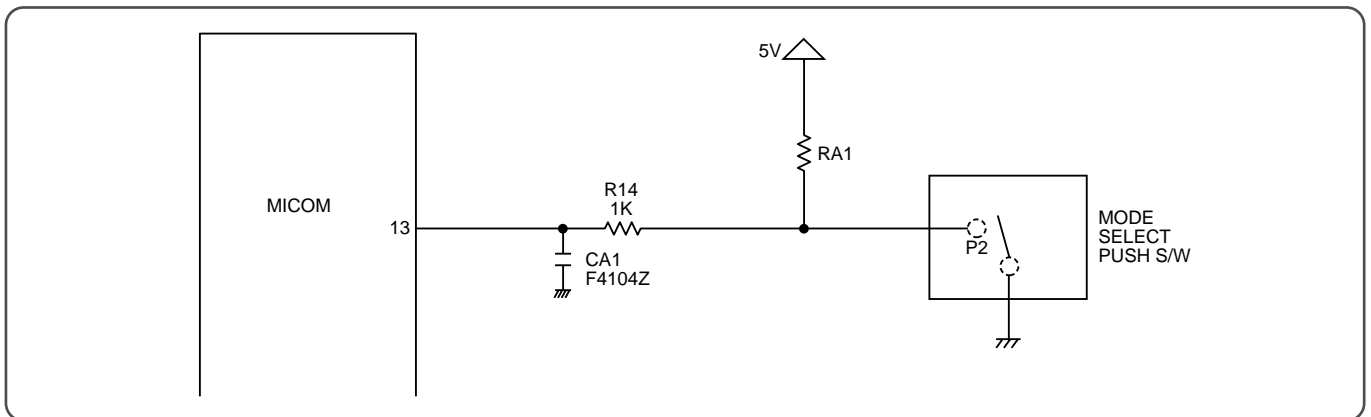


Fig 5-2
BIT STRUCTURE

Selecting Mode(6)

(SELECT S/W INPUT, OUTPUT)



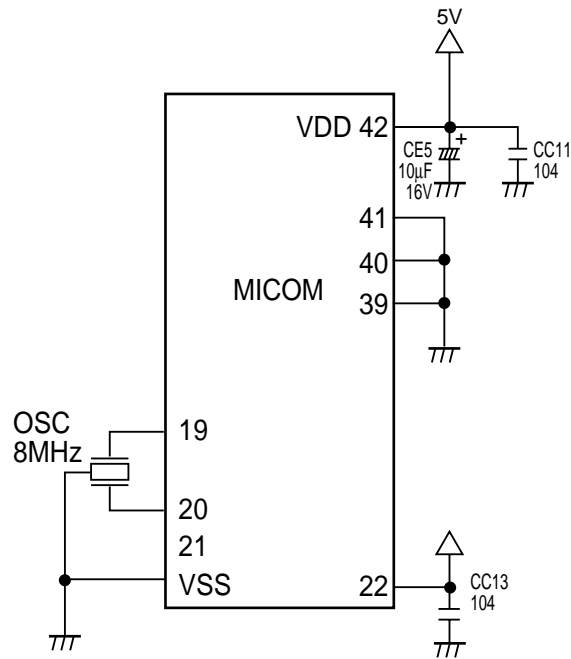
DESCRIPTION

There are Mode according to SW position as following Table 6-1. According as port of fixed Micom is Low, the unit is operating as following Table 6-1.

POSITION	MODE
OPEN	REMOCON
GND	EMERGENCY

Table 6-1

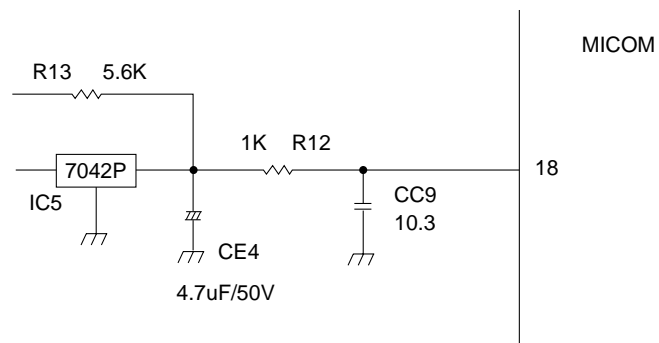
Micom Power Supply(7)



DESCRIPTION

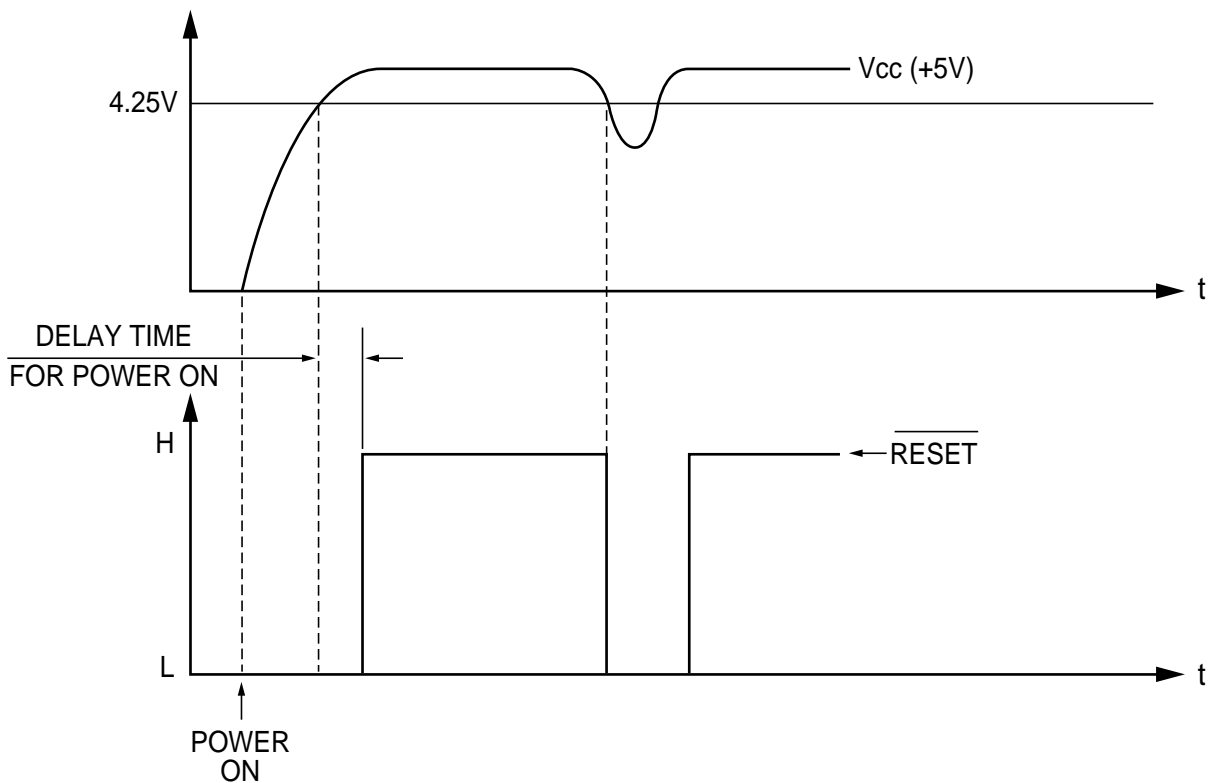
MICOM Power is supplied 5V at Number 42 using VDD, Number 19, 20 Vusing Oscillator, CC13 is noise filter.

Reset(8)

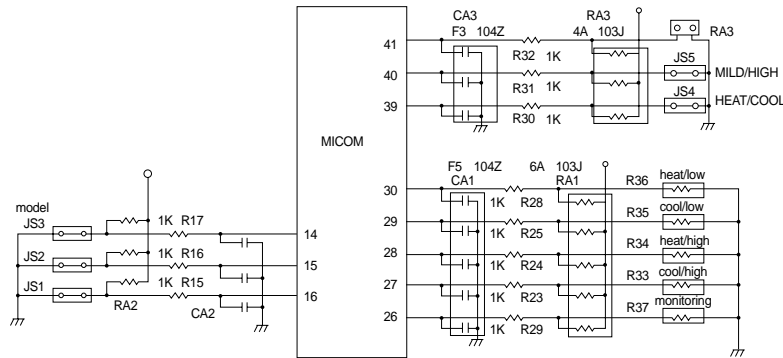


DESCRIPTION

Voltage less than about 0.8V put in Micom Terminal of Number 18 and then Micom reset. Reset IC detect Power ON and Voltage less than 4.25V, and then send Reset Signal.



Function Selecting(9)



DESCRIPTION

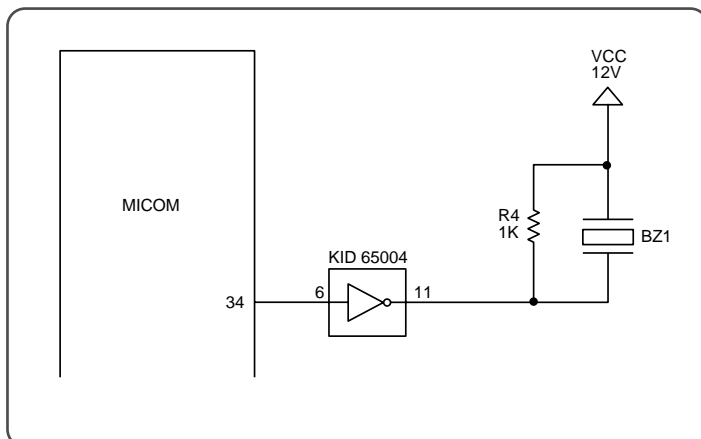
Selecting function is as following table 9-1.

* When power source is put at first, Function selection input is recognized.

And when the unit is running the microcomputer ignore variation of function selection input.

PIN NO.	LOC	JUMPER		18K	09K/12K/24K
		SHORT	OPEN		
14	JS3	New flap angle	Old flap angle	O	X
15	JS2	TURBO is available (at heat mode)	TURBO is not available (at heat mode)	X	X
16	JS1	Continuous swing direction	Repeating swing direction	O	X
40	JS5	ULTRA LOW (fan speed at sleep mode)	LOW (fan speed at sleep mode)	X	X
39	JS4	COOL/HEAT	COOL only	X	X

Buzzer Driving(10)



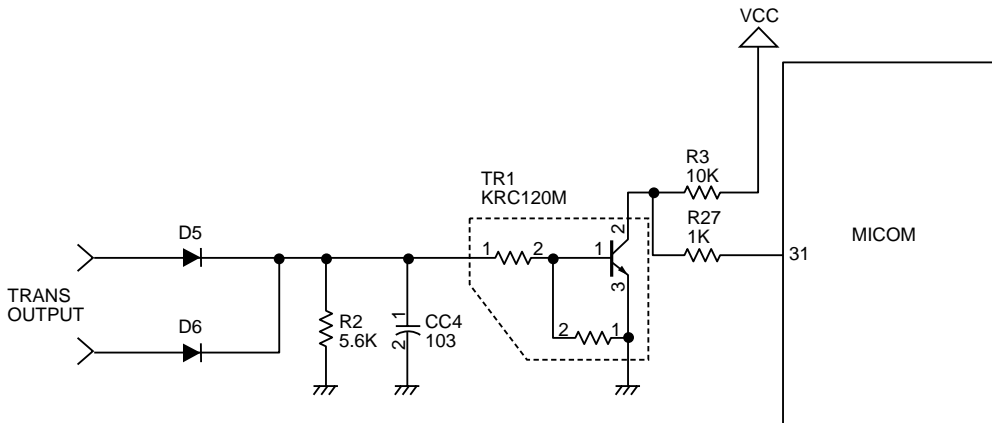
DESCRIPTION

Micom 34 Terminal put out Buzzer Driving Pulse, its output is driving Buzzer through Buffer.

Oscillatory Frequency of buzzer is selected by internal Micom.

This unit is setting at 4KHz.

Zero Crossing Detect(11)



DESCRIPTION

It detect Zero Cross part of Trans output voltage, Transistor TR1 is used to put in the Micom.
 Detail Driving is as following Fig 11-1.
 R19 is Resistance to limit current.

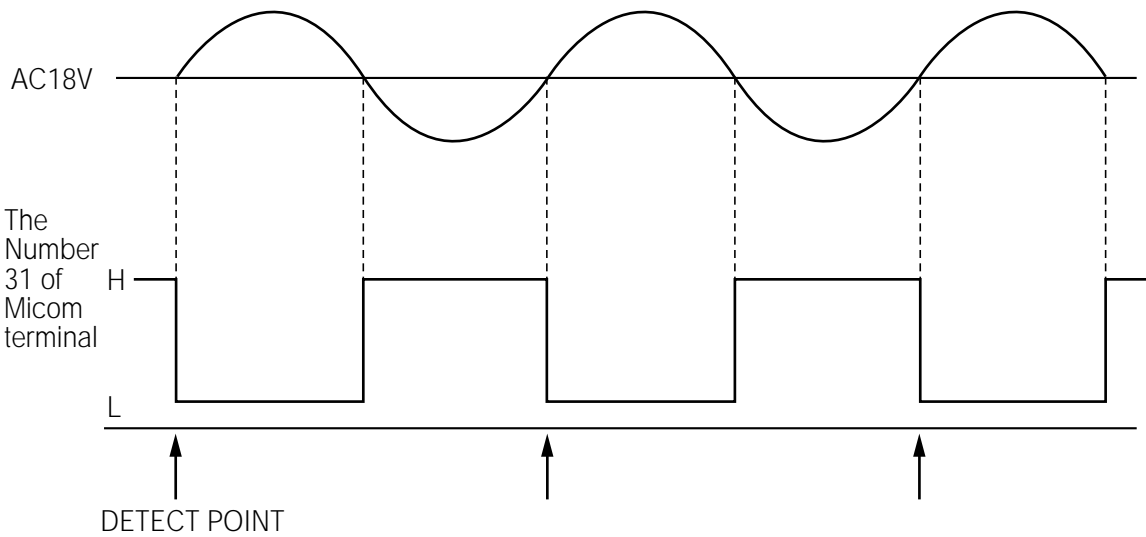
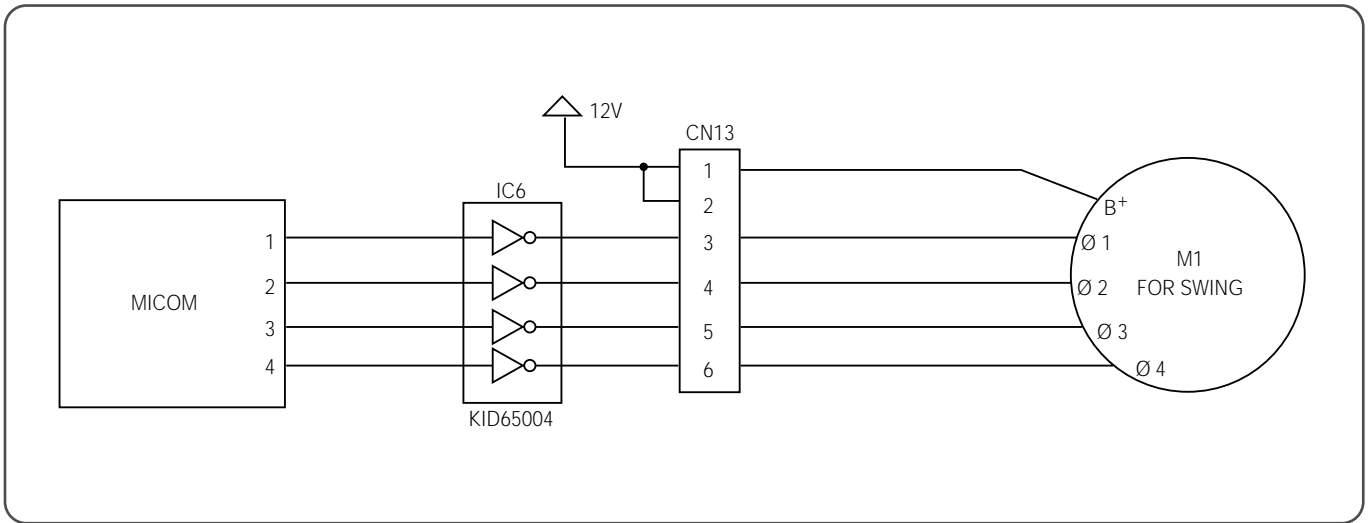


Fig 11-1

Stepping Motor Driving(12)



DESCRIPTION

There are one Stepping Motor for Flap (up and down) and it is used 4 face Drive Method. It is driving as following Fig 12-1. (Ring Count Method of 8 Status)

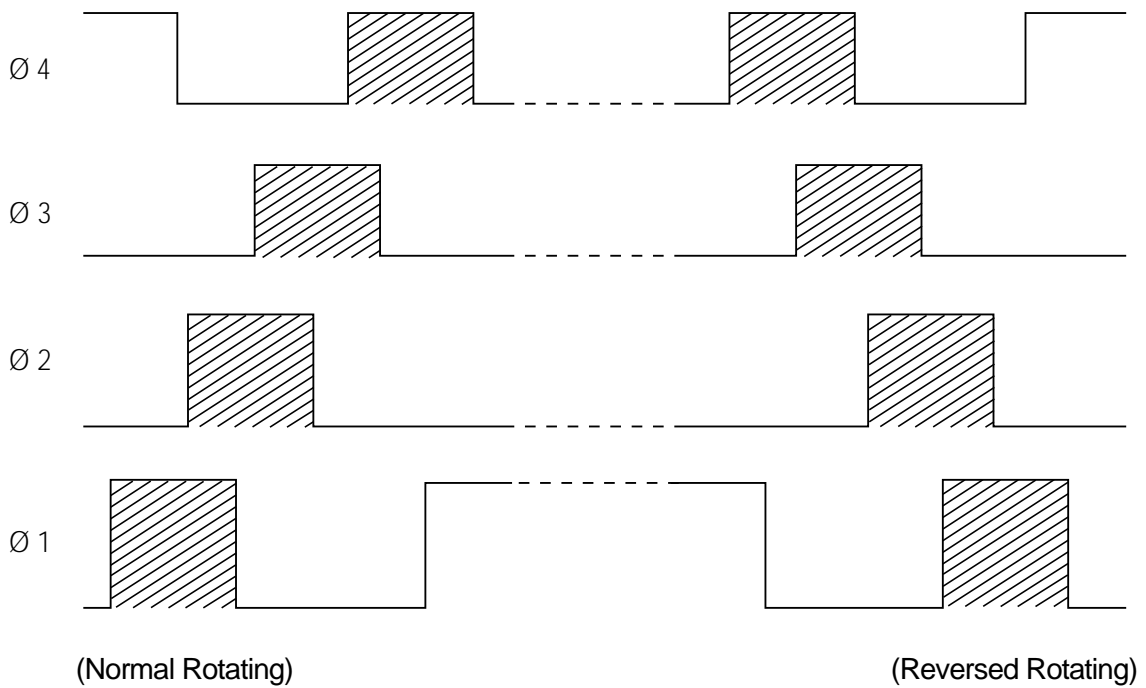
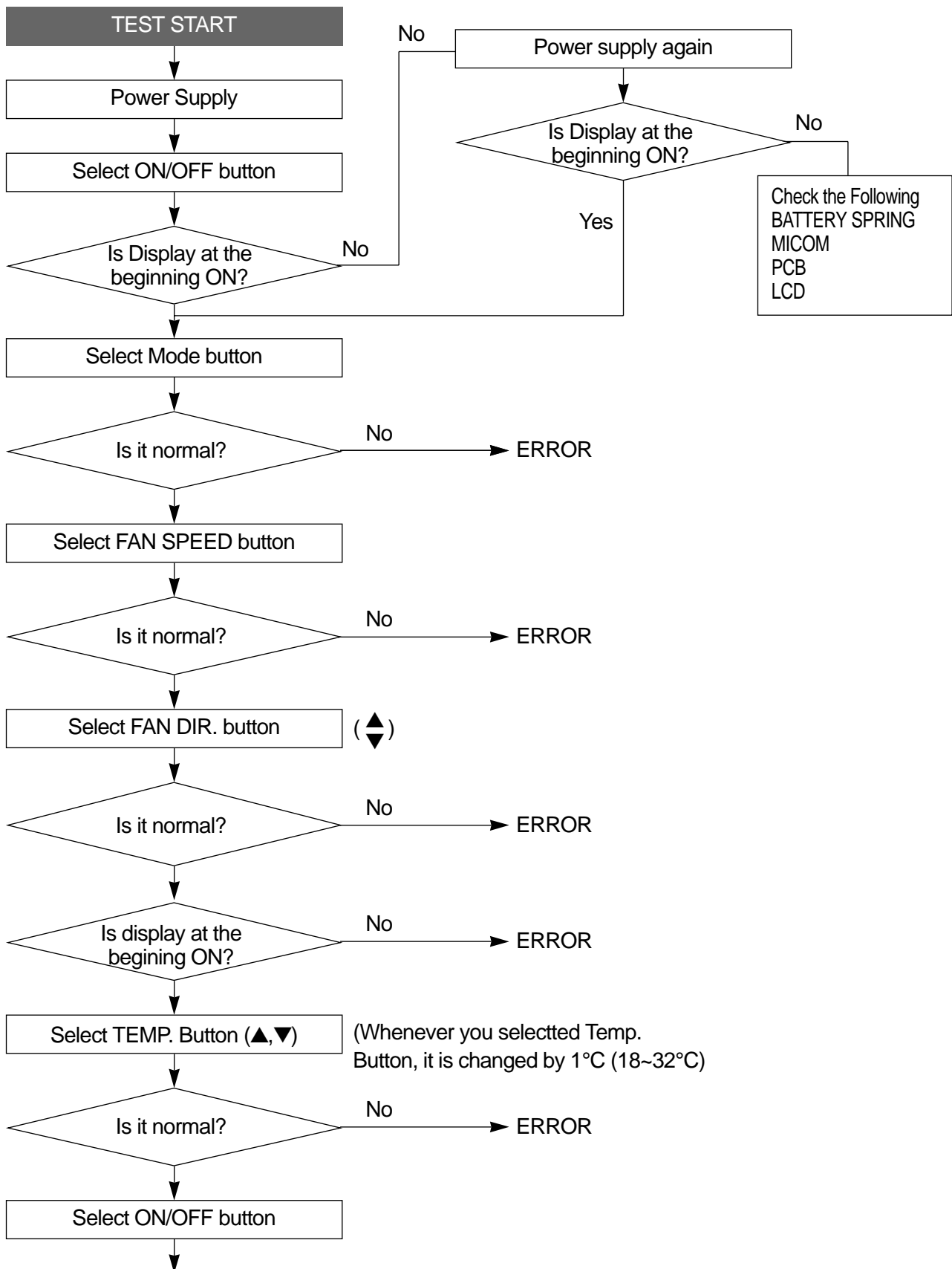
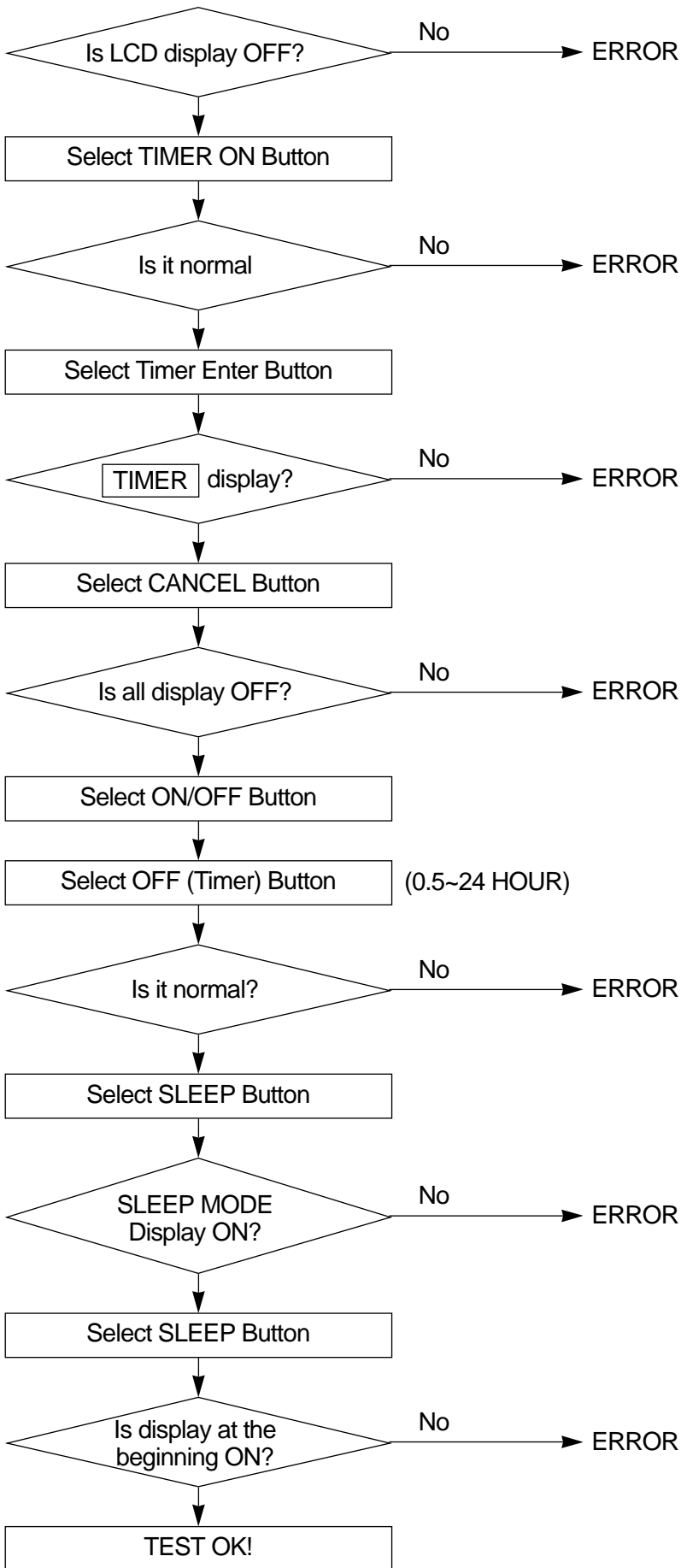


Fig 12-1

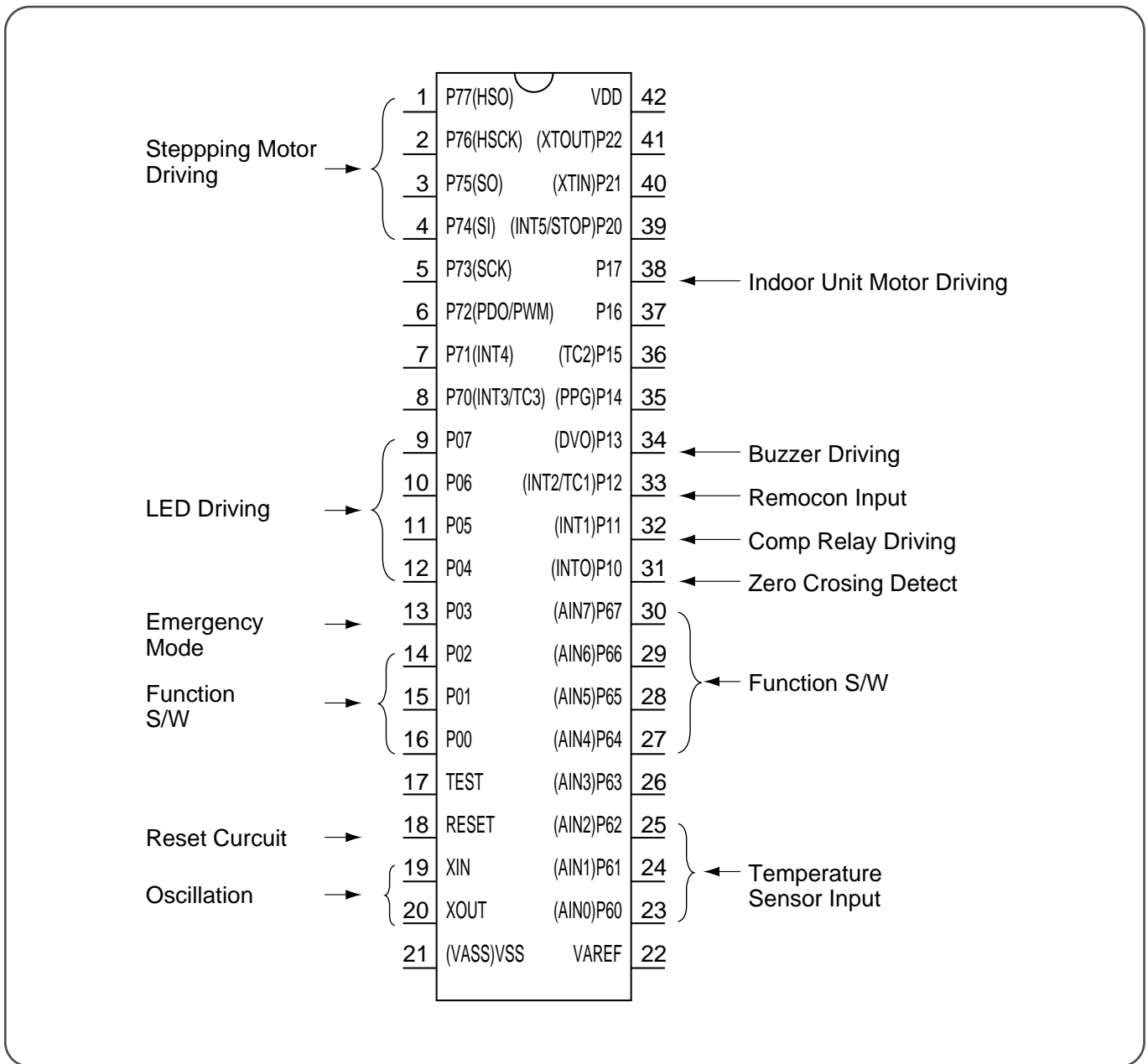
2 REMOTE CONTROLLER ASSMBLY FUNCTIONAL TEST METHOD



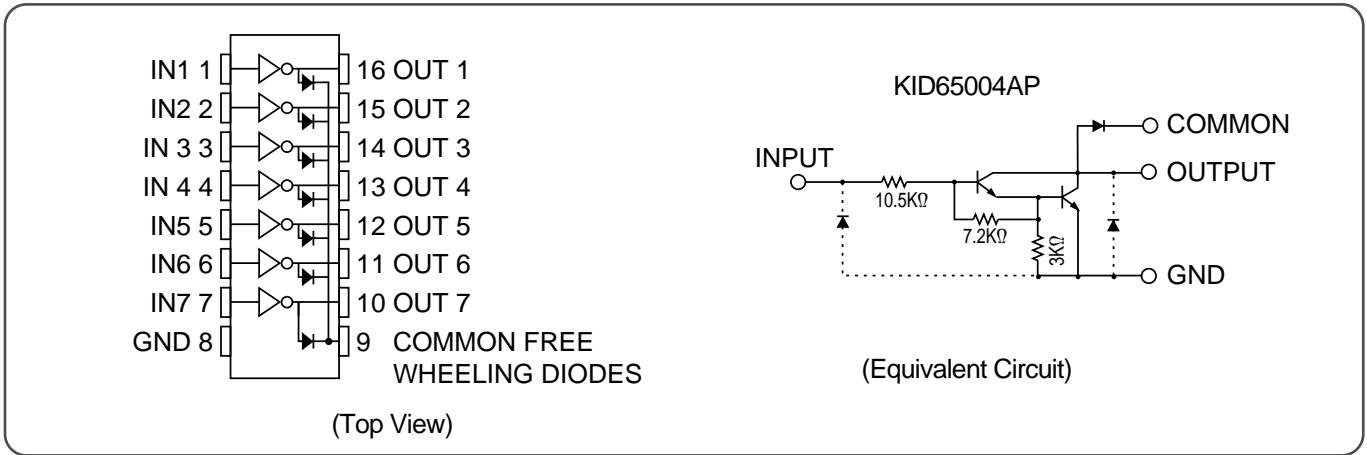


9. KEY COMPONENTS OF ELECTRONIC CIRCUIT

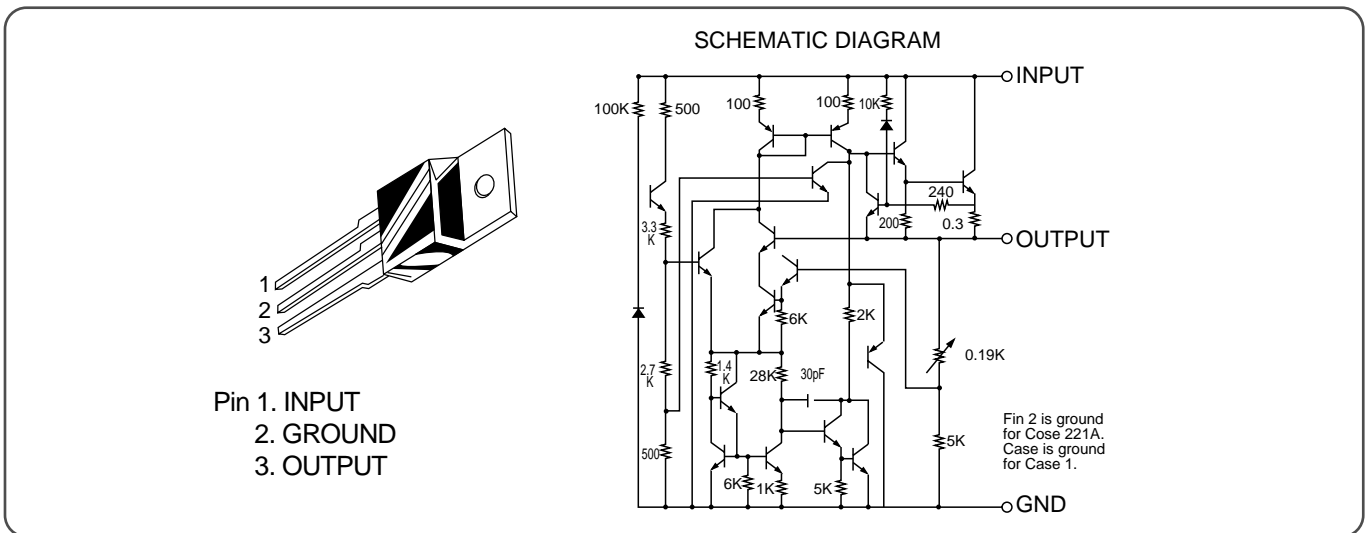
(1) U1 (MICOM)



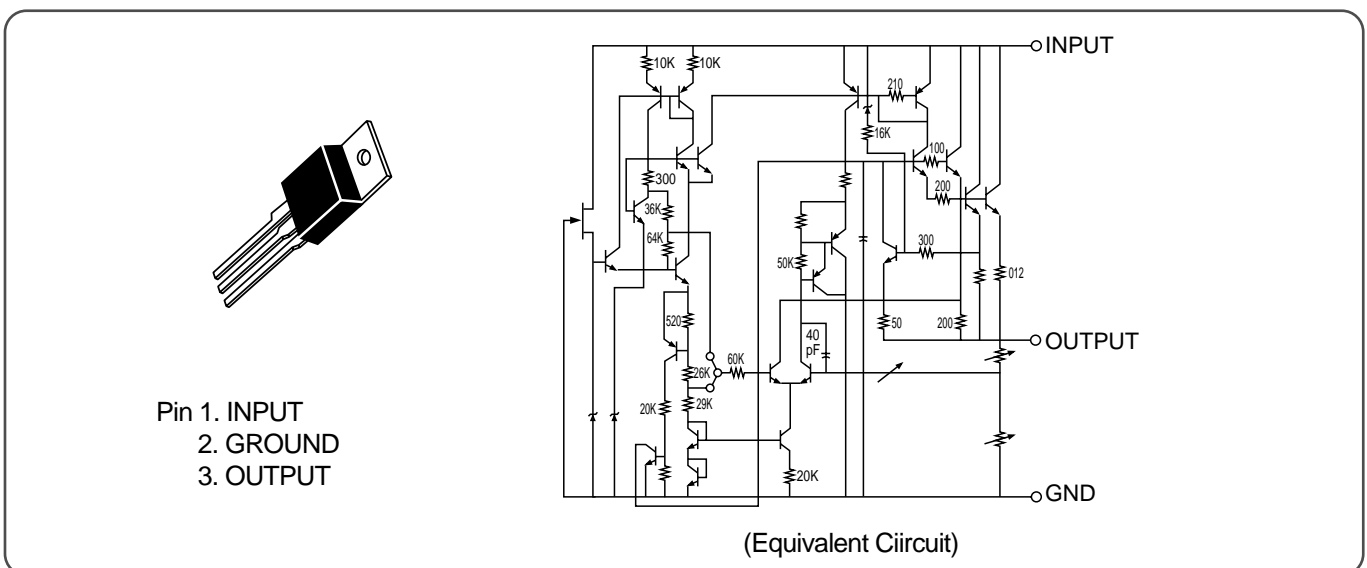
(2) U2, 4 (KID65004) DARLINGTON ARRAYS



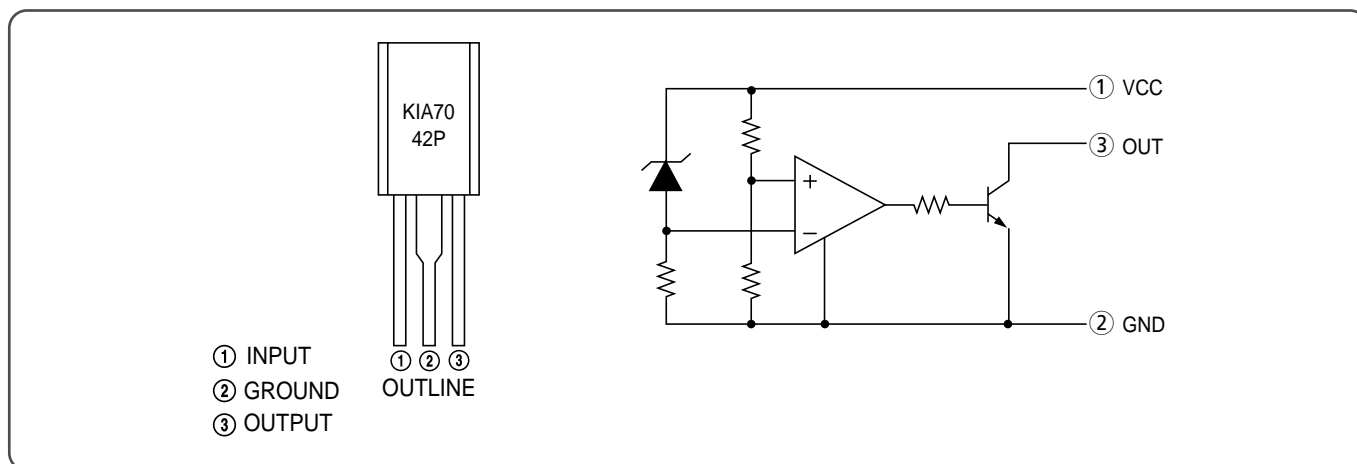
(3) U8 (KIA7805P) : VOLTAGE REGULATOR (5VDC)



(4) U7 (KIA7812P) : VOLTAGE REGULATOR (12VDC)



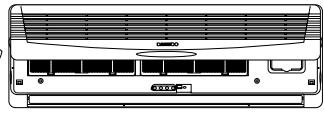
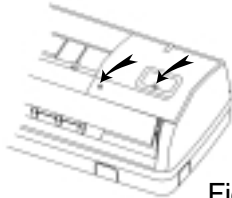
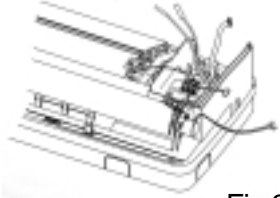
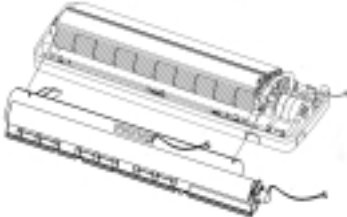
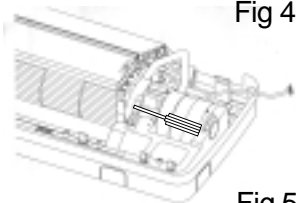
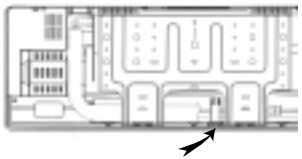
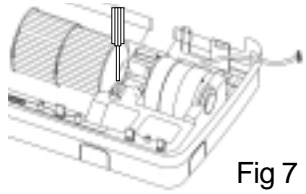
(5) U9 (KIA7042P) : RESET IC




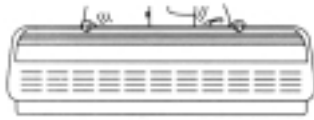
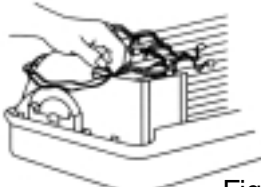
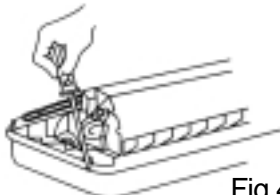
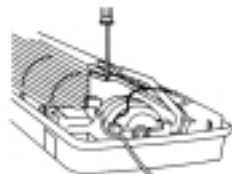
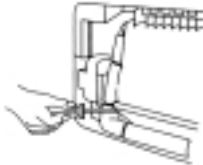
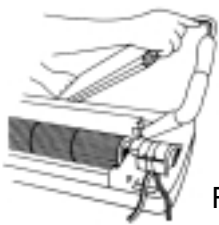
10. DISASSEMBLY INSTRUCTIONS

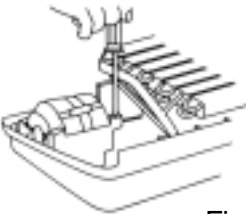
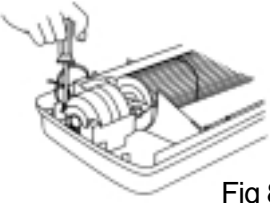
1 INDOOR UNIT

◆ DSA-095L, DSA-125L, 125P

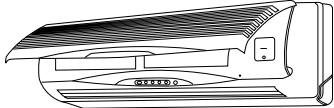
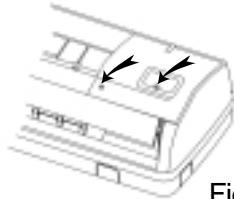
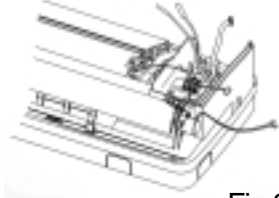
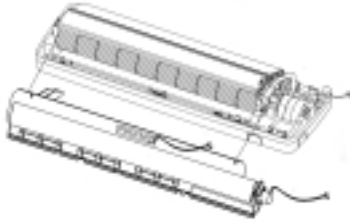
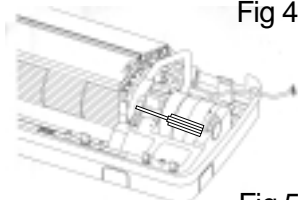
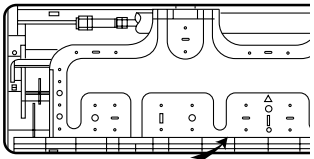
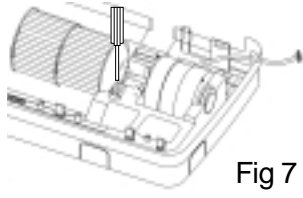
PROCEDURES	PHOTOS
<p>1. Stop the Air conditioner and disconnect the power cord from the wall outlet.</p>	
<p>2. Removing the Insert Grille and Frame Grille. (Fig 1~2)</p> <ol style="list-style-type: none"> ① Draw up the Insert Grille and remove it. ② Loosen one screw for fixing the Cover Ter-Block. ③ Loosen two screw at the Frame Grille. ④ Remove the Frame Grille. 	<p>Fig 1</p>  <p>Fig 2</p>
<p>3. Removing the Control Box. (Fig 3)</p> <ol style="list-style-type: none"> ① Remove room and coil thermistors. ② Disconnect the fan motor lead wire from connection at the Control PCB. ③ Disconnect the stepping motor lead wire from connection at the Control PCB. ④ Remove the select switch from connection at the Control PCB. ⑤ Loosen a screw for fixing ground wire. ⑥ Remove the Control Box 	 <p>Fig 3</p> 
<p>4. Removing the Drain Pan. (Fig 4)</p> <ol style="list-style-type: none"> ① Disconnect the Body drain hole. (left and right Body) ② Disconnect three hook and remove the Drain Pan. 	<p>Fig 4</p>  <p>Fig 5</p>
<p>5. Removing the Indoor Evaporator. (Fig 5~6)</p> <ol style="list-style-type: none"> ① Remove one screw for fixing indoor Evaporator at the Body. ② Remove the hook for fixing Bracket Pipe at the back of Body. ③ Remove Indoor Evaporator. 	 <p>Fig 6</p>
<p>6. Removing the Cross Flow Fan. (Fig 7)</p> <ol style="list-style-type: none"> ① Remove set screw for fixing Motor shaft. ② Remove Cross Flow Fan. 	 <p>Fig 7</p>
<p>7. Remove Motor IDU and Bearing Plastic.</p>	

◆**DSA-185L, 185P**

PROCEDURES	PHOTOS
<p>1. Stop the Air conditioner and disconnect the power cord from the wall outlet.</p>	 <p>Fig 1</p>
<p>2. Removing the Insert Grille and Frame.</p> <p>① Loosen three screws for fixing the the Insert Grille and Frame. (Pull out the frame cap before loosening three screws) (Fig 1)</p> <p>② Loosen three screws at the Drain Pan.</p> <p>③ Remove the Insert Grille and Frame.</p>	 <p>Fig 2</p>
<p>3. Removing the Control Box.</p> <p>After doing above procedures:</p> <p>① Disconnect indoor room and coil thermistors. (Fig 3)</p> <p>② Disconnect the fan motor lead wire from connection at the main PCB. (Fig 3)</p> <p>③ Disconnect the swing motor connection wire.</p> <p>④ Loosen a screw for fixing ground wire.</p> <p>⑤ Loosen two screws for fixing the body.</p>	 <p>Fig 3</p>
<p>4. Removing the Drain Pan.</p> <p>After doing above procedures:</p> <p>① Loosen a screw for fixing body. (Fig 4)</p> <p>② Unhook the right part of Drain Pan.</p>	 <p>Fig 4</p>
<p>5. Removing the Indoor Coil.</p> <p>After doing above procedures:</p> <p>① Loosen four screws for fixing indoor coil at left and right side. (Fig 5)</p> <p>② Loosen a screw for fixing the bracket tube at the back side. (Fig 6)</p> <p>③ Remove the indoor coil. (Fig. 6-1)</p>	 <p>Fig 5</p>
<p>6. Removing the fan motor.</p> <p>After doing above procedures:</p> <p>① Loosen two screws for fixing holder moter at left and right side. (Fig 7, 8)</p> <p>② Loosen a screw for fixing fan motor and blower.</p> <p>③ Renove the fan motor.</p>	 <p>Fig 6</p>  <p>Fig 6-1</p>

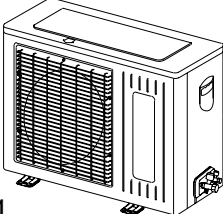
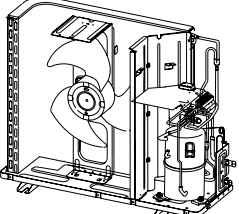
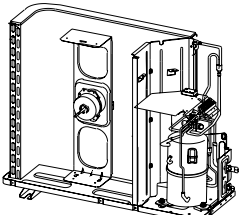
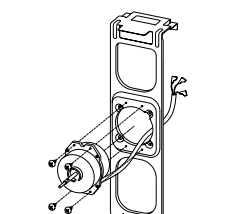

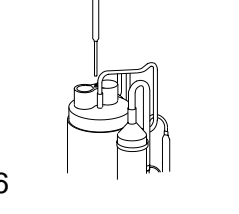
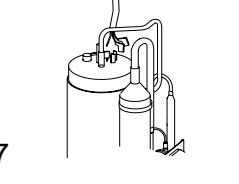
PROCEDURES	PHOTOS
<p>7. Removing the blower.</p> <p>After doing above procedures:</p> <ul style="list-style-type: none">① Loosen a screw for fixing holder bearing.② Remove the blower.	 <p>Fig 7</p>  <p>Fig 8</p>

◆ DSA-245L, 245P

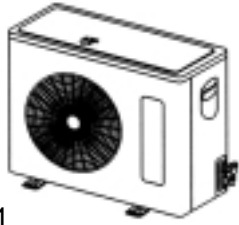
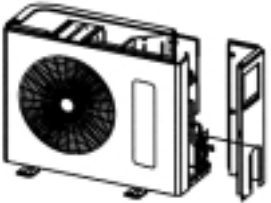
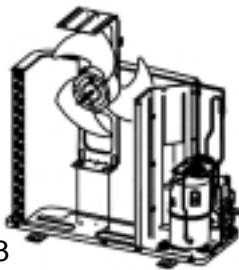
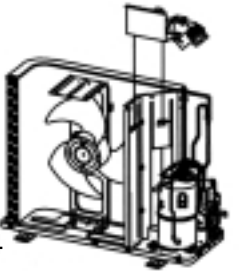
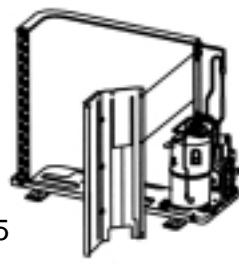
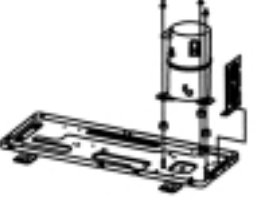
PROCEDURES	PHOTOS
<p>1. Stop the operation of the Air conditioner and disconnect the power cord from the wall outlet.</p>	 <p>Fig 1</p>
<p>2. Removing the Insert Grille and Frame Grille. (Fig 1~2)</p> <ol style="list-style-type: none"> ① Draw up the Insert Grille and remove it. ② Loosen the screws fixed at the Cover Ter-Block. ③ Loosen two screw at the Frame Grille. ④ Remove the Frame Grille. 	 <p>Fig 2</p>
<p>3. Removing the Control Box. (Fig 3)</p> <ol style="list-style-type: none"> ① Remove room and coil thermistors. ② Disconnect the fan motor lead wire from connection at the Control PCB. ③ Disconnect the stepping motor lead wire from connection at the Control PCB. ④ Remove the select switch from connection at the Control PCB. ⑤ Loosen the screw fixed at the ground wire. ⑥ Remove the Control Box 	 <p>Fig 3</p>  <p>Fig 4</p>
<p>4. Removing the Drain Pan. (Fig 4)</p> <ol style="list-style-type: none"> ① Disconnect the Body drain hole. (left and right Body) ② Disconnect three hooks and remove the Drain Pan. 	 <p>Fig 5</p>
<p>5. Removing the Indoor Evaporator. (Fig 5~6)</p> <ol style="list-style-type: none"> ① Remove the hook fixed at the Plate mounting of the back of Body. ② Remove Indoor Evaporator. 	 <p>Fig 6</p>
<p>6. Removing the Cross Flow Fan. (Fig 7)</p> <ol style="list-style-type: none"> ① Remove the set screw fixed at the Motor shaft. ② Remove the Cross Flow Fan. 	 <p>Fig 7</p>
<p>7. Remove the Motor IDU and the Bearing Plastic.</p>	

2 OUTDOOR UNIT

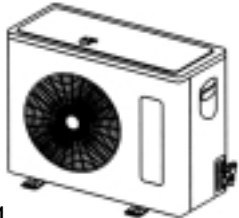
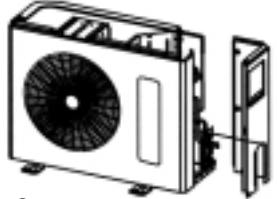
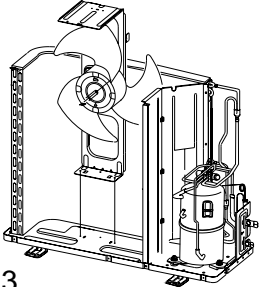
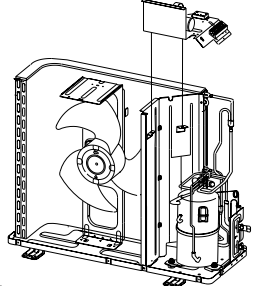
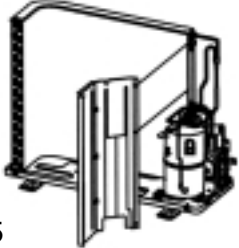
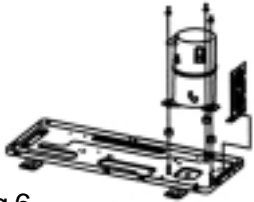

◆ DSA-095L

PROCEDURES	PHOTOS
<p>1. Stop the operation of the air conditioner and disconnect the wire from Indoor Unit to Outdoor Unit.</p>	
<p>2. Disassemble the case. (Fig 1~2)</p> <ol style="list-style-type: none"> ① Remove the Top Panel. (Loosen thirteen screws) ② Remove the Front Cabinet. (Loosen six screws) ③ Remove the Side Cabinet. (Loosen seven screws) ④ Remove the Guide Support. (Loosen two screws) 	<p>Fig 1</p> 
<p>3. Removing the Propeller Fan. (Fig 3)</p> <ol style="list-style-type: none"> ① Loosen the Nut fixed at the the Propeller Fan. ② Remove the Plain Washer. ③ Remove the Propeller Fan. 	<p>Fig 2</p> 
<p>4. Removing the Motor ODU. (Fig 4)</p> <ol style="list-style-type: none"> ① Loosen four screws fixed at the Bracket Motor. ② Disconnect the wire at the Control Panel and remove the Motor ODU. 	<p>Fig 3</p> 
<p>5. Removing the Dual Capacitor. (Fig 5)</p> <ol style="list-style-type: none"> ① Disconnect the wire at the Control Panel. ② Loosen the screw fixed at the Clamp Capacitor. ③ Remove the Dual Capacitor. 	<p>Fig 4</p> 
<p>6. Removing the partition panel</p>	<p>Fig 5</p> 
<p>7. Removing the Over load Protector. (Fig 6~7)</p> <ol style="list-style-type: none"> ① Loosen the Hex Nut at Terminal Cover. ② Remove the Terminal Cover. ③ Remove the wire at the Over load Protector. ④ Remove the Over load Protector. 	<p>Fig 6</p> 
	<p>Fig 7</p>

◆ DSA-125L, 125P, DSA-185L, 185P

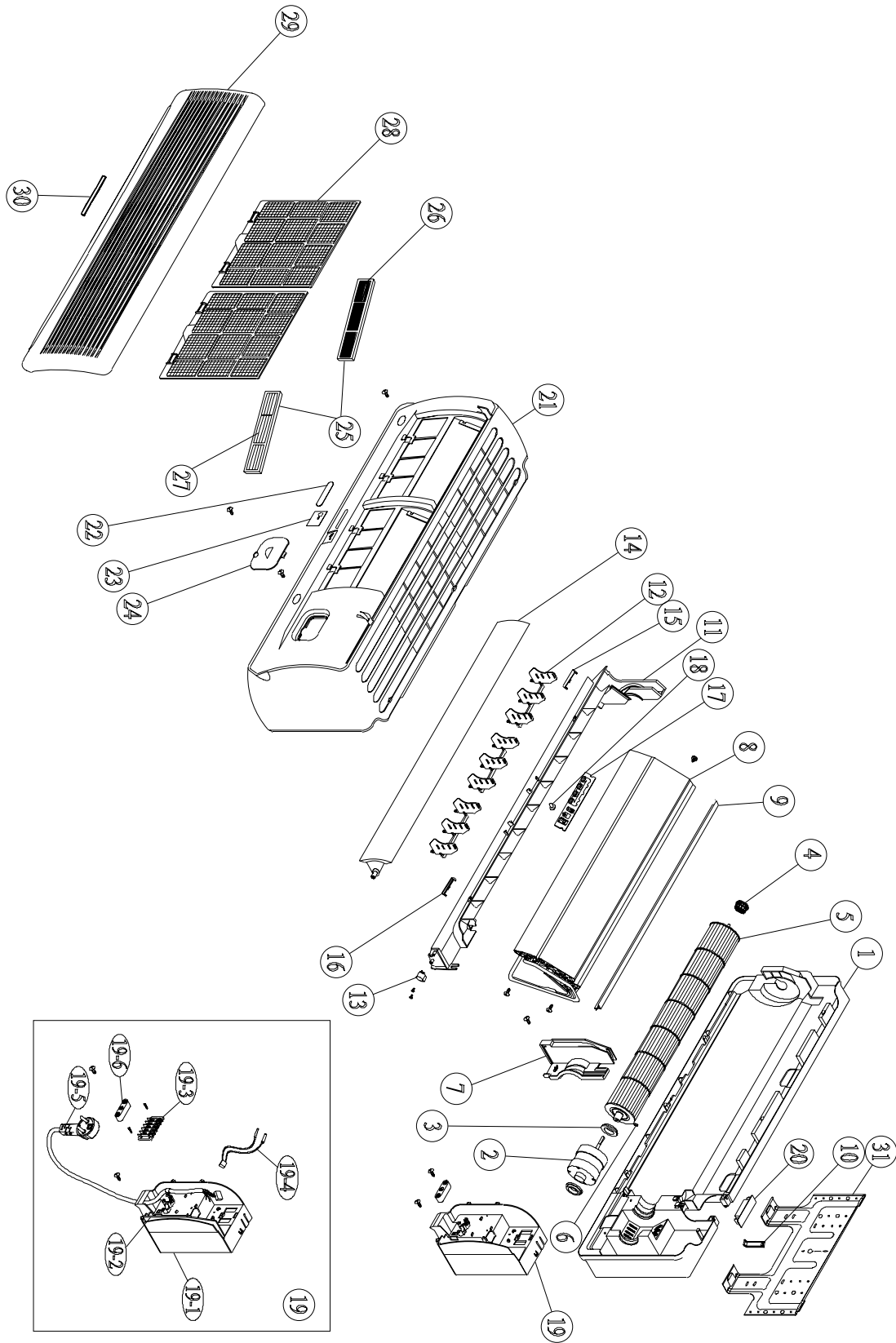
PROCEDURES	PHOTOS
<p>1. Stop the operation of the air conditioner and dis connect the wire from in door unit to out door unit.</p>	 <p>Fig 1</p>
<p>2. Disassemble the case. (Fig 1~2)</p> <ul style="list-style-type: none"> ① Remove the Top Panel. ② Remove the Side Cabinet. ③ Remove the Front Cabinet. 	 <p>Fig 2</p>
<p>3. Removing the Propeller Fan. (Fig 3)</p> <ul style="list-style-type: none"> ① Loosen the screw fixed at the motor bracket. ② Remove the Plain Washer. ③ Remove the Propeller Fan. 	 <p>Fig 3</p>
<p>4. Remove the panel control. (Fig 4)</p> <ul style="list-style-type: none"> ① Disconnect the wire at the control panel. ② Loosen the screw fixed at the panel control. ③ Remove the parts on panel control. 	 <p>Fig 4</p>
<p>5. Remove the partition panel. (Fig 5)</p> <ul style="list-style-type: none"> ① Loosen four screws at the bracket motor. ② Disconnect the wire at the control panel. 	 <p>Fig 5</p>
<p>6. Removing the Over load Protector. (Fig 6)</p> <ul style="list-style-type: none"> ① Remove the cocondenser ② Loosen three volts at compressor. ③ Remove the compressor. 	 <p>Fig 6</p>

◆ DSA-245L, 245P

PROCEDURES	PHOTOS
<p>1. Stop the operation of the air conditioner and disconnect the wire from indoor unit to outdoor unit.</p>	 <p>Fig 1</p>
<p>2. Disassemble the case. (Fig 1~2)</p> <ol style="list-style-type: none"> ① Remove the Top Panel. ② Remove the Front Cabinet. ③ Remove the Side Cabinet and Back Cabinet. 	 <p>Fig 2</p>
<p>3. Removing the Propeller Fan. (Fig 3)</p> <ol style="list-style-type: none"> ① Loosen the screw fixed at the motor bracket. ② Remove the Plain Washer. ③ Remove the Propeller Fan. 	 <p>Fig 3</p>
<p>4. Removing the panel control. (Fig 4)</p> <ol style="list-style-type: none"> ① Disconnect the wire at the control panel. ② Loosen the screw at the panel control. ③ Remove the parts on the panel control. 	 <p>Fig 4</p>
<p>5. Removing the vacuum pump.</p>	 <p>Fig 5</p>
<p>6. Remove the partition panel. (Fig 5)</p> <ol style="list-style-type: none"> ① Loosen four screws at the bracket motor. ② Disconnect the wire at the control panel. 	 <p>Fig 6</p>
<p>7. Removing the Over load Protector. (Fig 6)</p> <ol style="list-style-type: none"> ① Remove the condenser ② Loosen three volts at the compressor. ③ Remove the compressor. 	 <p>Fig 6</p>

3 EXPLODED VIEW & PARTS LIST (Indoor Unit)

◆INDOOR UNIT EXPLODED VIEW: DSA-095L

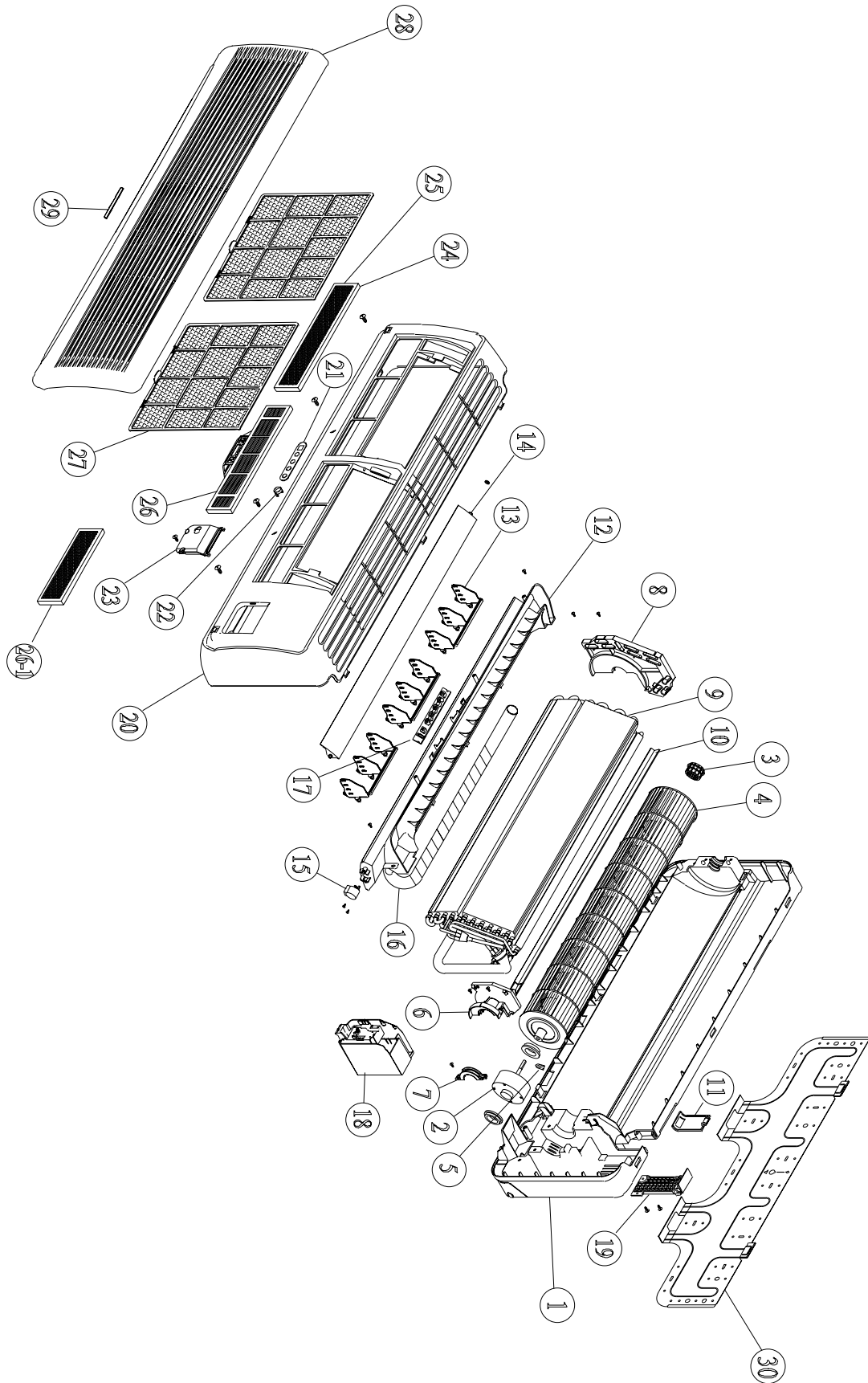


◆ INDOOR UNIT PART LIST; DSA-095L

✓ **Caution** : In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>).

No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3100400301	BODY	1	HIPS T2.0	
2	3108008700	MOTOR IDU	1	YDK-8-4A	
3	3101500400	CUSHION MOTOR	2	CR ø30	
4	3106400400	BEARING PLASTIC Ass`y	1		
5	3100053700	FAN CROSS FLOW Ass`y	1	ø90.0 x L540	
6	7485401012	SET SCREW	1	6S-4x10-E MFZN	
7	3103002601	HOLDER MOTOR	1	HIPS T2.0	
8	3110050800	EVAPORATOR Ass`y	1		
9	3102501220	GUIDE EVA.	1	PVC L536xT0.7	
10	3100603800	BRACKET PIPE	1	HIPS T2.0	
11	3108100801	PAN DRAIN	1	HIPS T2.0	
12	3106001600	BLADE VERTICAL	3	P.P. T1.5	
13	3108003900	MOTOR STEPPING	1	MP24GA , GSP-24SW-061	
14	3107600400	FLAP	1	HIPS T2.5	
15	3101404800	COVER WIRE L	1	HIPS	
16	3101404900	COVER WIRE R	1	HIPS	
17	3100054202	LED PCB Ass`y	1		
18	3100901600	CAP RUBBER	1	SILICON	
19	3110050900	CONTROL BOX Ass`y	1		
19-1	3100508400	CONTROL BOX	1	P.P. + G.F. 20%	
19-2	3110051000	CONTROL PCB Ass`y	1		
19-3	3108914100	TERMINAL BLOCK	1	JXO-CH-3P	
19-4	3104896300	SENSOR ID Ass`y	1	PTM-KD-43C-D2	
19-5	3101300100	POWER CORD Ass`y	1	16A 250V	
19-6	3101203000	CLAMP WIRE	1	P.P. + G.F. 20%	
20	3100400410	BODY-TOP	1	HIPS T2.0	
21	3102200800	FRAME GRILLE	1	HIPS T2.5	
22	3104508700	PLATE LED	1	P.C. Sheet T2.0	
23	3104510200	PLATE SWITCH	1	P.C. Sheet T2.0	
24	3101404600	COVER TERMINAL BLOCK	1	HIPS T2.0	
25	3101100400	CASE FILTER	2	P.P. T2.0	
26	3101902510	FILTER CARBON Ass`y	1	Black	
27	3101902610	FILTER ELECTRO Ass`y	1	White	
28	3102200900	FILTER FRAME	2	P.P. T2.0	
29	3102402200	INSERT GRILLE	1	HIPS T2.5	
30	3101403900	COVER LED	1	ABS T2.0	
31	3104507200	PLATE MOUNTING	1	SBHG 1 T0.7	

◆INDOOR UNIT EXPLODED VIEW: DSA-125L, 125P

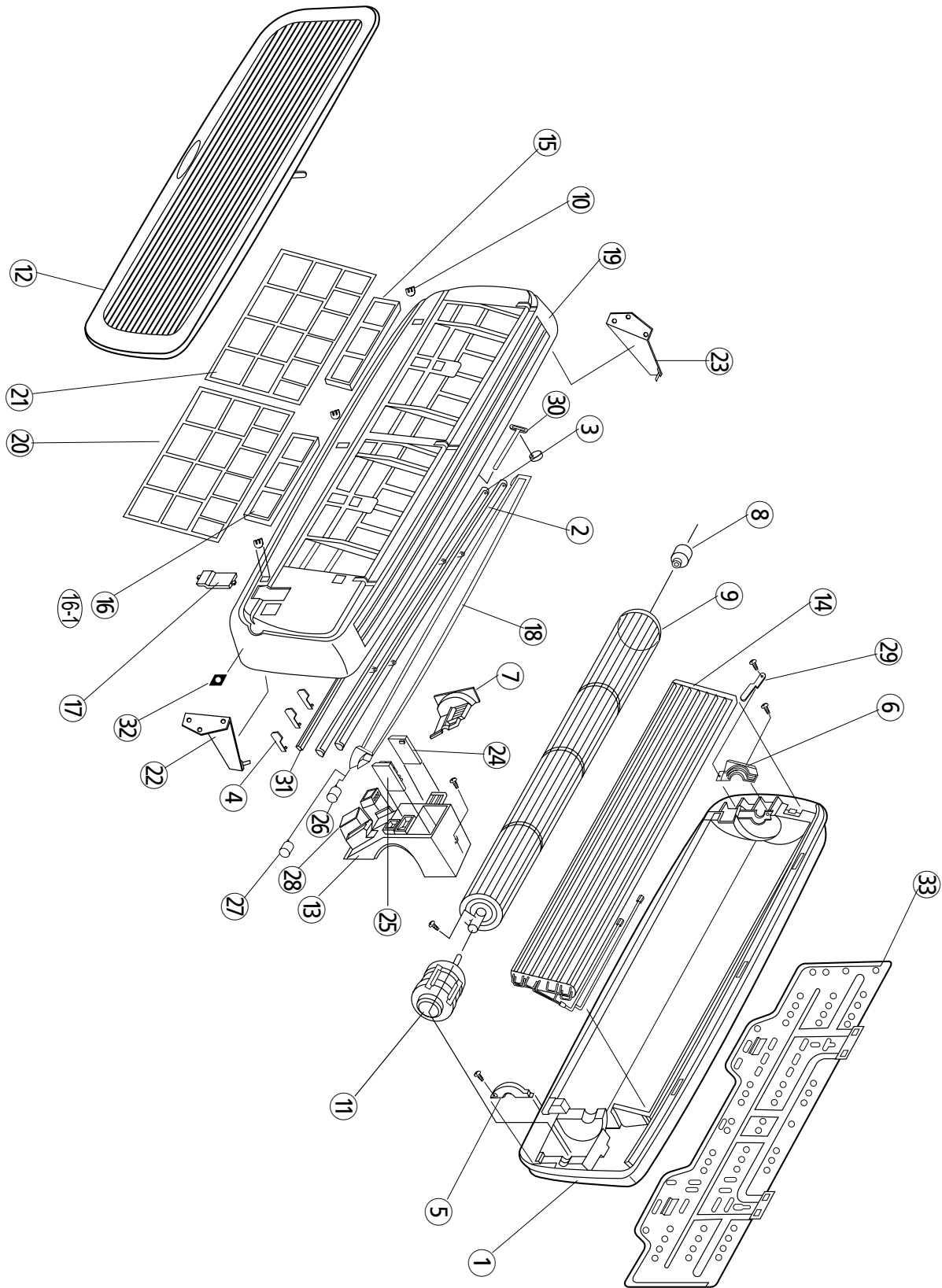


◆ INDOOR UNIT PART LIST; DSA-125L, 125P

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No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3110400301	BODY	1	HIPS T2.0	
2	3118003500	MOTOR IDU	1	RB13B(220V, 50/60V)	
3	3106400400	BEARING PLASTIC Ass`y	1		
4	3110046000	FAN CROSS FLOW Ass`y	1	SAN+G.F 30% ø100xL615	
5	7485401012	SET SCREW	1	6S-4x10-E MFZN	
6	3113000400	HOLDER MOTOR L	1	HIPS T2.0	
7	3113000500	HOLDER MOTOR R	1	HIPS T2.0	
8	3114503300	PLATE EVAP. L	1	T2.0(GY176A)	
9	3110054100	EVAPORATOR Ass`y	1		
10	3112500900	GUIDE EVAP. U	1	PVC L623 x T1.0	
11	3110603100	BRACKET PIPE	1	HIPS T2.0	
12	3118100501	PAN DRAIN	1	HIPS T2.0	
13	3116501001	BLADE VERTICAL	3	P.P T1.5	
14	3117600101	FLAP	1	HIPS T2.5	
15	3108003910	MOTOR STEPPING	1	MP24GA	
16	3103210010	HOSE DRAIN Ass`y	1		
17	3104301700	LED PCB Ass`y	1		
18	3110063610	CONTROL BOX Ass`y	1		
18-1	3110504000	CONTROL BOX	1	HIPS T2.0	
18-2	3114208600	CONTROL PCB Ass`y	1		
18-3	3118900200	TERMINAL BLOCK	1	JXO-CH-2P	
18-4	3111200800	CLAMP WIRE	1	HIPS T2.0	
18-5	3101301700	POWER CORD Ass`y	1	250V 15A	
18-6	3114503900	PLATE EARTH	1	SGCC T1.0	
18-7	3104896300	SENSOR ID Ass`y	1	PTM-KD-43C-D2	
19	3110400200	BODY TOP	1	HIPS T2.0	
20	3112200700	FRAME GRILLE	1	HIPS T2.5	
21	3114504200	PLATE LED	1	PC SHEET T0.2	
22	3103401400	KNOB SWITCH	1		
23	3111403400	COVER TERMINAL BLOCK	1	HIPS T2.0	
24	3101100400	CASE FILTER	2		
25	3101902510	FILTER CARBON Ass`y	1	BLACK	
26	3113700200	DUST COLLECTOR	1	NAC-001	DSA-125P
26-1	3101902610	FILTER ELECTRO Ass`y	1		DSA-125L
27	3111901400	FILTER FRAME	2	P.P T2.0	
28	3112401900	GRILLE INSERT	1	HIPS T2.5	
29	3111403700	COVER LED	1	ABS T2.0	
30	3114503800	PLATE MOUNTING	1	SGCC T0.7	

◆INDOOR UNIT EXPLODED VIEW: DSA-185L, 185P

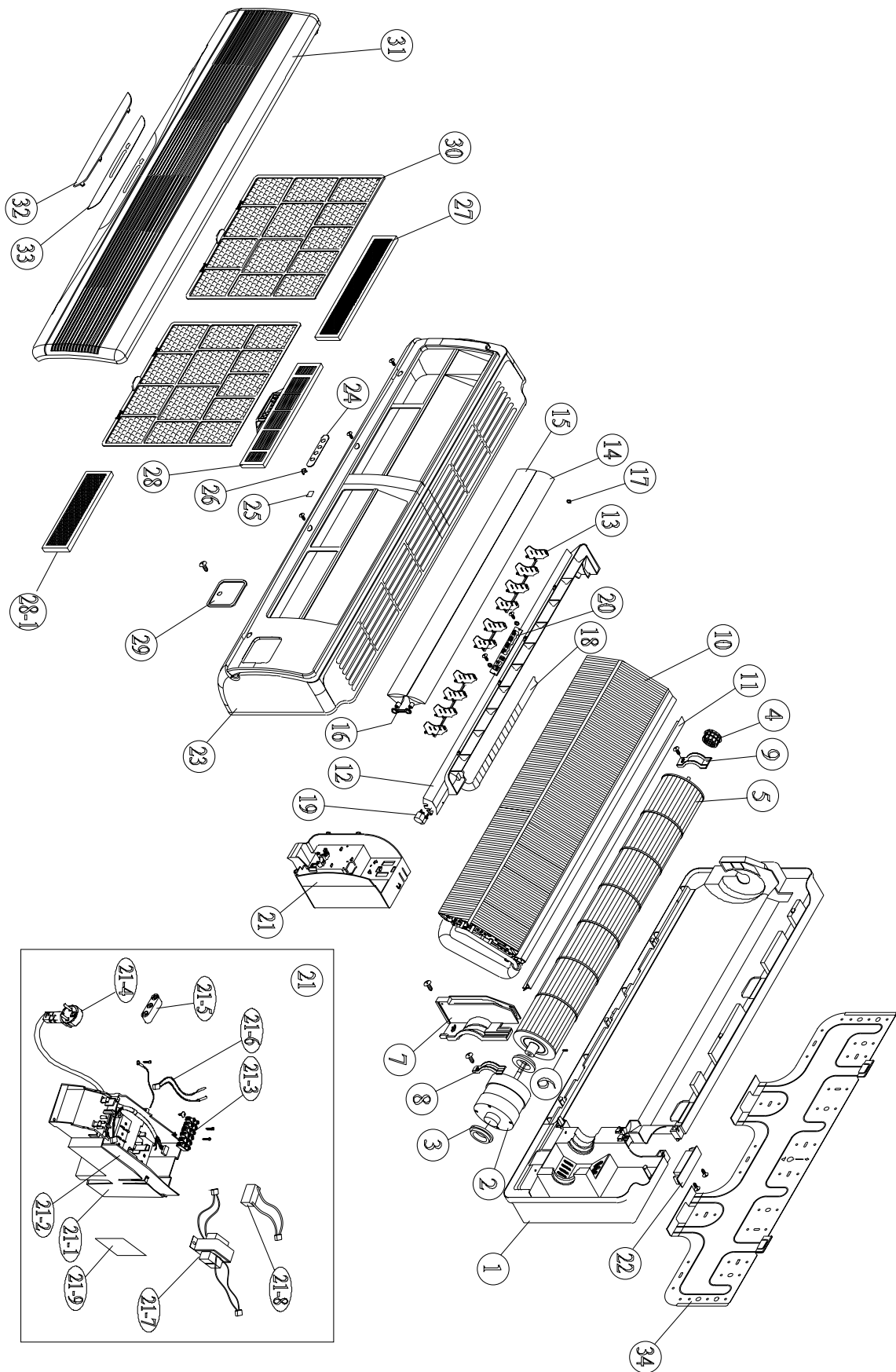


◆ INDOOR UNIT PART LIST; DSA-185L, 185P

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No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3100400101	BODY	1	HIPS	
2	3107600100	FLAP TOP	1	HIPS	
3	3107600200	FLAP UNDER	1	HIPS	
4	3106500401	BLADE VERTICAL	16	PP (GY171A)	
5	3103000500	HOLDER MOTOR R	1	HIPS	
6	3103000600	HOLDER MOTOR L	1	HIPS	
7	3103000700	HOLDER BEARING	1	HIPS	
8	3106400100	BEARING PLASTIC Ass`y	1	RUBBER I.D.ø6.0	
9	3101800200	FAN CROSS FLOW Ass`y	1	O.D.ø100xL814	
10	3100900100	CAP FRAME	3	HIPS	
11	3108000310	MOTOR IDU	1	YDK-20-4A	
12	3112400400	GRILLE INSERT	1	HIPS	
13	3100506900	CONTROL BOX	1	HIPS	
14	3107400010	EVAPORATOR Ass`y	1		
15	3101940000	FILTER CARBON Ass`y	1	Black	
16	3113700200	DUST COLLECTOR	1	NAC-001	DSA-185P
16-1	3101930000	FILTER ELECTRO Ass`y	1		DSA-185L
17	3101403700	COVER TERMINAL BLOCK	1	HIPS	
18	3108120020	PAN DRAIN Ass`y	1	HIPS	
19	3102210020	FRAME GRILLE Ass`y	1	HIPS	
20	310191000C	FILTER PRE R Ass`y	1	P.P. Black	
21	310192000C	FILTER PRE L Ass`y	1	P.P. Black	
22	3102900500	HINGE R	1	POM	
23	3102900600	HINGE L	1	POM	
24	3114308700	CONTROL PCB Ass`y	1		
25	3114305500	POWER PCB Ass`y	1		
26	3108004300	STEPPING MOTOR	1	DC12V 400mm	
27	3108004300	STEPPING MOTOR	1	DC12V 400mm	
28	3104300401	LED PCB Ass`y	1		
29	3108004310	PLATE EVA. L	1	SGCC T1.0	
30	3107800200	LINK VER	1	POM	
31	3107800100	LINK VER CAM	1	POM	
32	3104300301	SWITCH PCB Ass`y	1	POM	
33	31045003000	PLATE MOUNTING	1	SGCC T0.8	

◆INDOOR UNIT EXPLODED VIEW: DSA-245L, 245P



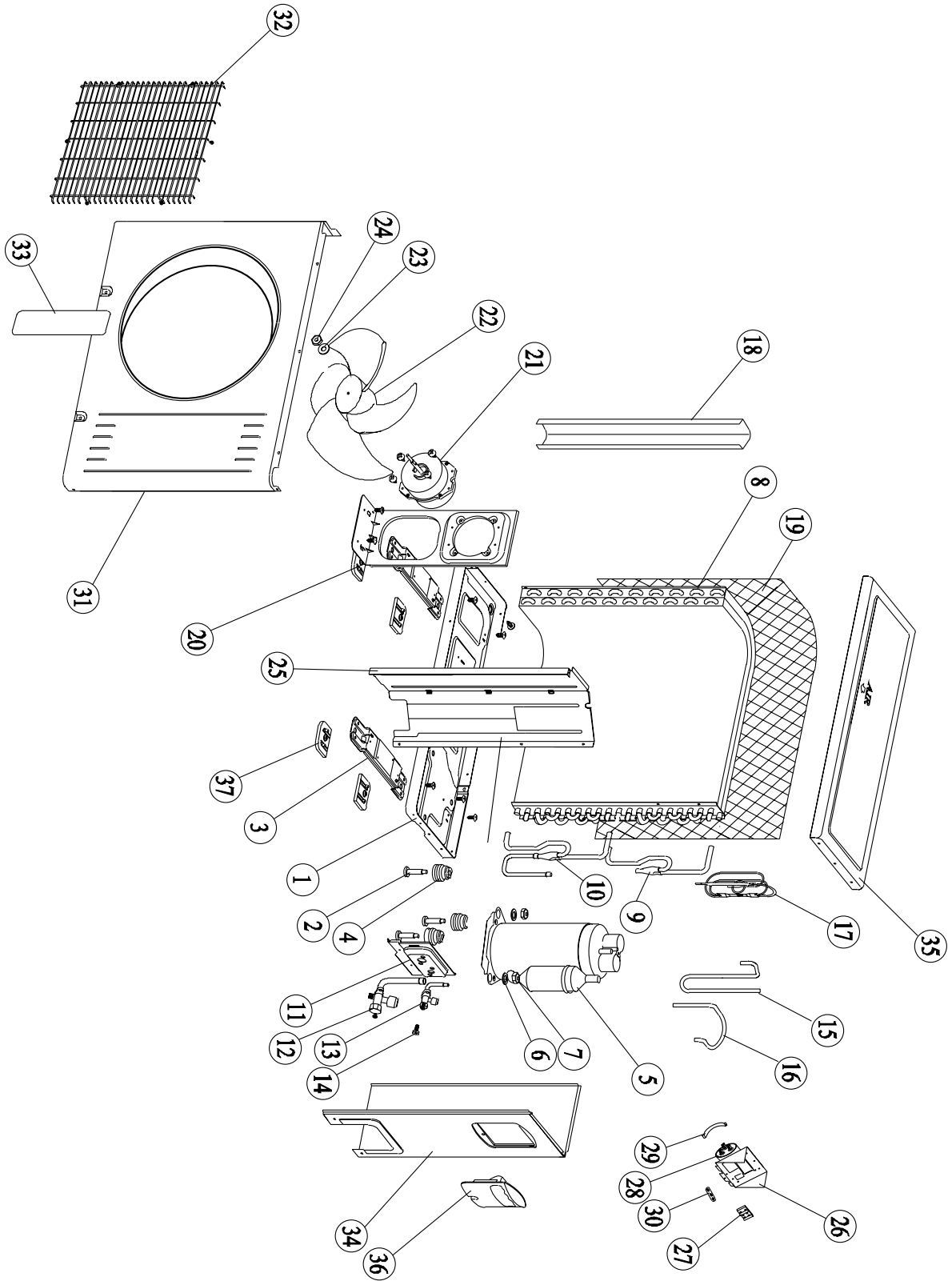
◆ INDOOR UNIT PART LIST; DSA-245L, 245P

✓ **Caution** : In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>).

No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3100400600	BODY	1		
2	3108007510	MOTOR IDU	1	IC-9430DWKF7A	
3	3101500400	CUSHION MOTOR	2	CR I.D30	
4	3106400200	BEARING PLASTIC Ass`y	1	O.D37.0*I.D6.0	
5	3100076400	FAN CROSS FLOW Ass`y	1	OD 100*L864	
6	7485401012	SET SCREW	1	6S-4*10-E	
7	3103003800	HOLDER MOTOR L/B	1	ABS T2.5	
8	3103003900	HOLDER MOTOR R	1	ABS T2.5	
9	3103004000	HOLDER BEARING	1	ABS T2.5	
10	311009AC01	EVAPORATOR Ass`y	1		
11	3102501400	GUIDE EVAP.	1	PVC	
12	3108101400	PAN DRAIN	1	HI-PS	
13	3106502700	BLADE VERTICAL M	3	PP	
14	3107600500	FLAP UP	1	HI-PS	
15	3107600600	FLAP DOWN	1	HI-PS	
16	3107801700	LINK FLAP	1	HI-PS	
17	3100702000	BUSHING	2	HI-PS	
18	3103200800	HOSE DRAIN Ass`y	1		
19	3108007600	MOTOR STEPPING	1	GSP-24RW-062	
20	3104301700	LED PCB Ass`y	1		
21	3100077060	CONTROL BOX Ass`y	1		
21-1	3100510700	BOX CONTROL	1		
21-2	3104308800	CONTROL PCB Ass`y	1		
21-3	3108914100	TERMINAL BOLCK	1	JXO-CH-3P	
21-4	3101300440	POWER CORD Ass`y	1	SJT 3X14 AWG105	
21-5	3101200400	CLAMP CORD	1	DA-5N	
21-6	3104897010	SENSOR ID Ass`y	1	PTM-KD43C-D2	
21-7	5EPV050120	TRANSFORMER	1	DWA-220B	
21-8	3106902400	CAPACITOR MOLD	1	2.0UF 400V	
21-9	2150013200	AL FOIL EMI	1	AL100P(W100XL100)	
22	3100400700	BODY TOP	1	HI-PS	
23	3102201400	FRAME GRILLE	1	HI-PS	
24	3104512400	PLATE LED	1	PC SHEET T0.2	
25	3104510200	PLATE SWITCH	1	PC SHEET T0.2	
26	3103401400	KNOB SWITCH	1	HI-PS	
27	3100094300	FILTER CARBON Ass`y	1	Black	
28	3113700500	DUST COLLECTOR	1	NAC-002	DSA-245P
28-1	3100094400	FILTER ELECTRO Ass`y	1		DSA-245L
29	3101406820	COVER TERMINAL BLOCK	1	HI-PS	
30	3102201500	FILTER FRAME	2	PP	
31	3102403500	GRILLE INSERT	1	ABS	
32	3101406900	COVER LED	1		
33	3104512600	PLATE INSERT GRILLE	1	PET T0.1	
34	3104511800	PLATE MOUNTING	1	SBHG 1 T0.7	

4 EXPLODED VIEW & PARTS LIST (OUTDOOR UNIT)

◆ OUTDOOR UNIT EXPLODED VIEW: DSA-095L

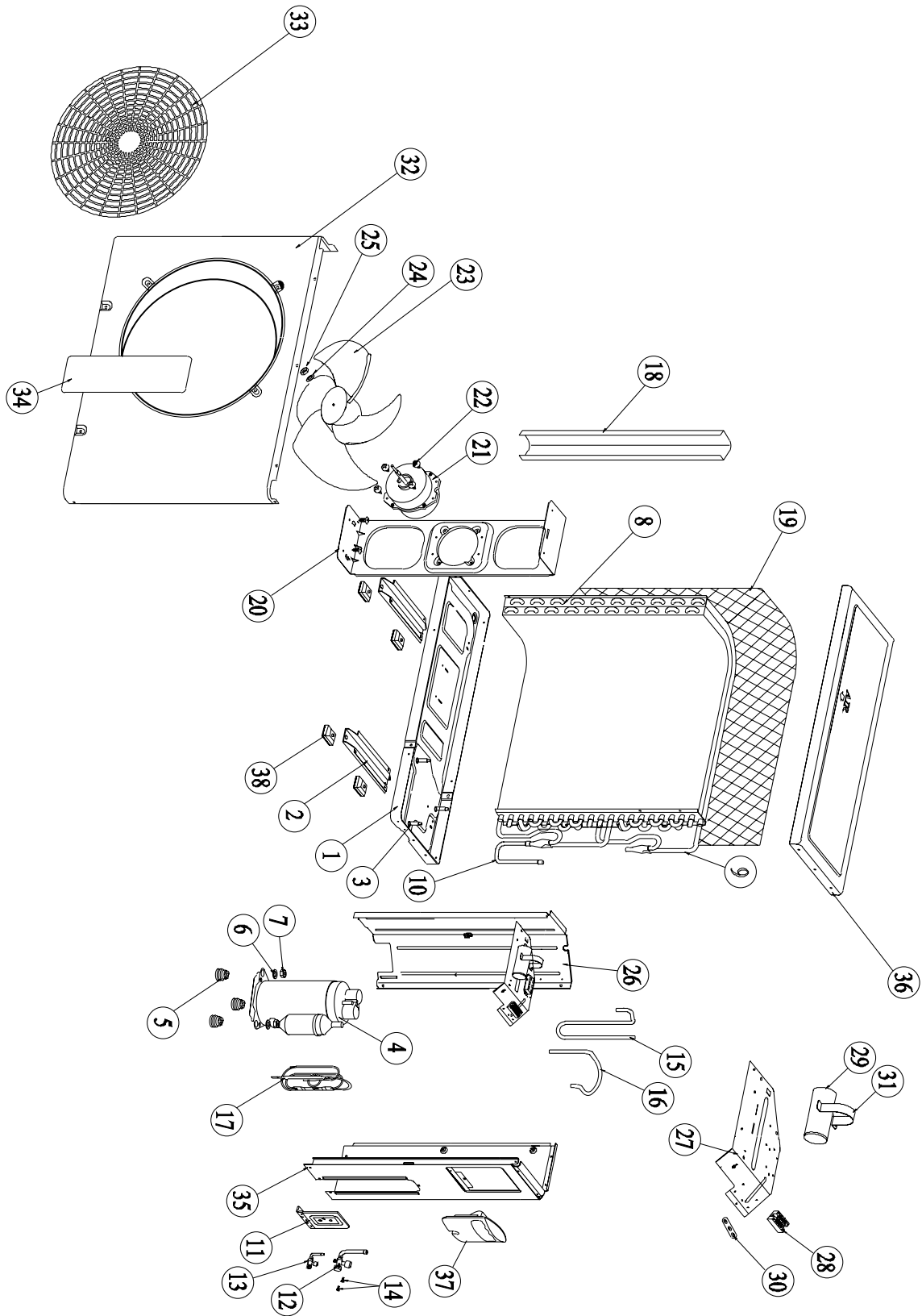


◆ OUTDOOR UNIT PART LIST; DSA-095L

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No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3100014720	PAN BASE Ass`y	1	SECC T1.2	
2	3106000900	COMP. BOLT	3	M8 x L46.5	
3	3102100800	FOOT	1	SECC T1.2	
4	3108104AE0	COMP. GROMMET	3	EPDM	
5	3117104470	COMPRESSOR Ass`y	1	QK125K**	LG
6	7400208411	COMP. WASHER	3	M8.4 x 22 x T1.6	
7	7392801211	COMP. NUT	3	M8xP1.25 MFZN	
8	3110046200	CONDENSER Ass`y	1	L465xW208.5xH508	
9	3114434400	PIPE COND IN	1	C1220T	
10	3114433700	PIPE COND OUT	1	C1220T	
11	3100602200	BRACKET SERVICE	1	SECC T1.2	
12	3115401900	SERVICE VALVE	1	3/8" (GAS)	
13	3105400802	SERVICE VALVE	1	1/4" (LIQUID)	
14	7347602011	BOLT HEX	4	M6x20 MFZN	
15	3110048000	PIPE SUCTION Ass`y	1	C1220T	
16	3110048300	PIPE DISCHARGE Ass`y	1	C1220T	
17	3114424300	PIPE CAPILLARY Ass`y	1	ID ø1.6 x L1,200	
18	3102501100	GUIDE SUPPORT	1	SECC T1.2	
19	3102402600	GRILLE CONDENSER	1	P.E. 660x525.5xT3.5	
20	3100601903	BRACKET MOTOR	1	SBHG1 T1.2	
21	3118001100	MOTOR ODU	1	YDK-35-6A	
22	3101801000	FAN PROPELLER	1	ABS+G.F20% (BLACK)	
23	7400208411	WASHER PLAIN	1	PW-2-8 MFZN	
24	7392800011	NUT LOCK	1	M8 x P1.25 MFZN	
25	3114504110	PLATE PARTITION	1	SBHG1 T0.8	
26	3104201900	PANEL CONTROL	1	SBHG1 T0.8	
27	3108912300	TERMINAL BLOCK	1	SN-DBW-03P	
28	3109502010	CAPACITOR DUAL	1	2.0+25µF 400VAC	
29	3101201100	CLAMP CAPACITOR	1	SBHG1 T1.0	
30	3101202000	CLAMP CORD	1	NYLON	
31	3100801210	CABINET FRONT	1	SECC T0.8	
32	3112402500	GRILLE DISCHAGE	1		
33	3103510700	LABEL BRAND	1	P.C.FILM 346x90xT0.4	
34	3100801300	CABINET SIDE	1	SECC T0.8	
35	3104201800	PANEL TOP	1	SECC T0.8	
36	3102600300	HANDLE	1	ABS	
37	3102101000	FOOT CUSHION	4	NBR	

◆ OUTDOOR UNIT EXPLODED VIEW: DSA-125L, 125P

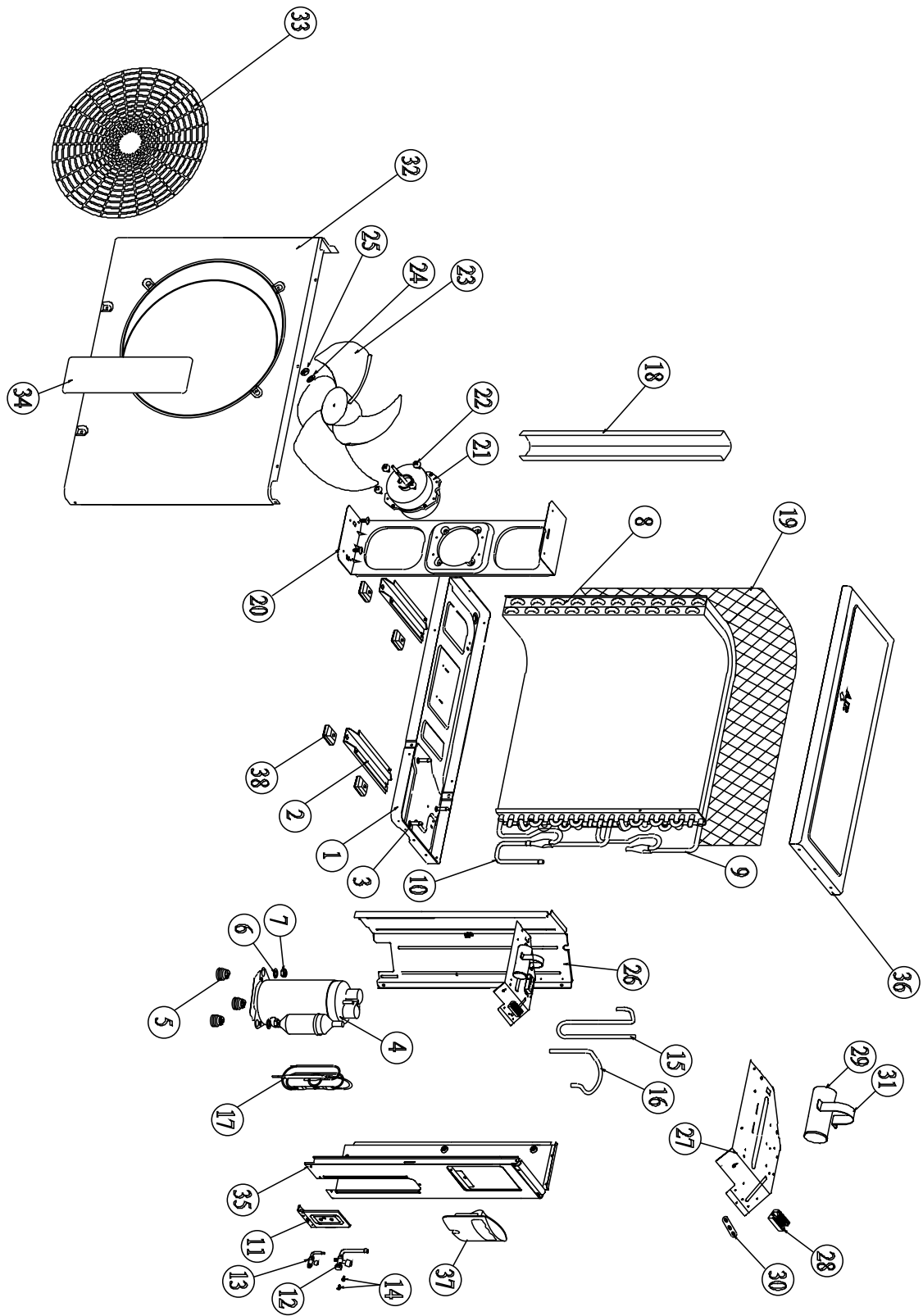


◆ OUTDOOR UNIT PART LIST; DSA-125L, 125P

✓ **Caution** : In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>).

No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3110007500	PAN BASE Ass`y	1		
2	3102100201	FOOT	4	SECC T2.0	
3	3106000100	BOLT COMP.	3	M8xL46.5	
4	3117104390	COMPRESSOR Ass`y	1	QK164K**	LG
5	3108104AE0	COMP. GROMMET	3		
6	7400208411	WASHER PLAIN	3	M8.4 x 22 x T1.6	
7	7392801211	NUT LOCK	3	M8xP1.25 MFZN	
8	3110018920	CONDENSER Ass`y	1	L568.4xH575xW44	
9	3110006110	PIPE COND. IN	1	C-1220T	
10	3110006220	PIPE COND. OUT	1	C-1220T	
11	3100601201	BRACKET SERVICE	1	SECC T1.6	
12	3115401900	SERVICE VALVE	1	3/8" (GAS)	
13	3105400210	SERVICE VALVE	1	1/4" (LIQUID)	
14	7347602011	BOLT HEX	4	M6xL20 MFZN	
15	311009F300	PIPE DICHARGE	1	C-1220T	
16	311009F200	PIPE SUCTION	1	C-1220T	
17	311009F400	PIPE CAPILLARY Ass`y	1	ID ø1.8 x L1,000	
18	3112500300	GUIDE SUPPORT	1	SECC T1.2	
19	3112400700	GRILLE COND.	1	PE	
20	3110600200	BRACKET MOTOR	1	SGCC T1.2	
21	3118007160	MOTOR ODU	1	YDK-50-6A	
22	7348602011	BOLT HEX	4	WASHER M6xL20 MFZN	
23	3101800100	FAN PROPELLER	1	ABS+G/F(10),OD420,BLK	
24	7400208411	WASHER PLAIN	1	O.D.ø22 xI.D.ø8.4xT1.6	
25	7392800011	NUT HEX	1	M8xP1.25 MFZN	
26	3114500800	PLATE PARTITION	1	SGCC T1.0	
27	3114200600	PANEL CONTROL	1	SECC T0.8	
28	3108914100	TERMINAL BLOCK	1	JXO-CH-3P	
29	3116905300	CAPACITOR DUAL	1	3.0+35µF,400VAC	
30	3101202000	CLAMP CORD	1	NYLON 66	
31	3101301100	CLAMP CAPACITOR	1	SECC T1.0	
32	3110800210	CABINET FRONT	1	SECC T1.0	
33	3102400710	GRILLE DISCHARGE	1		
34	3103510700	LABEL BRAND	1	P.C.FILM	
35	3110800300	CABINET SIDE	1	SECC T1.0	
36	3114200500	PANEL TOP	1	SECC T1.0	
37	3102600300	HANDLE	1	ABS	
38	3102101000	FOOT CUSHION	4	NBR	

◆ OUTDOOR UNIT EXPLODED VIEW: DSA-185L, 185P

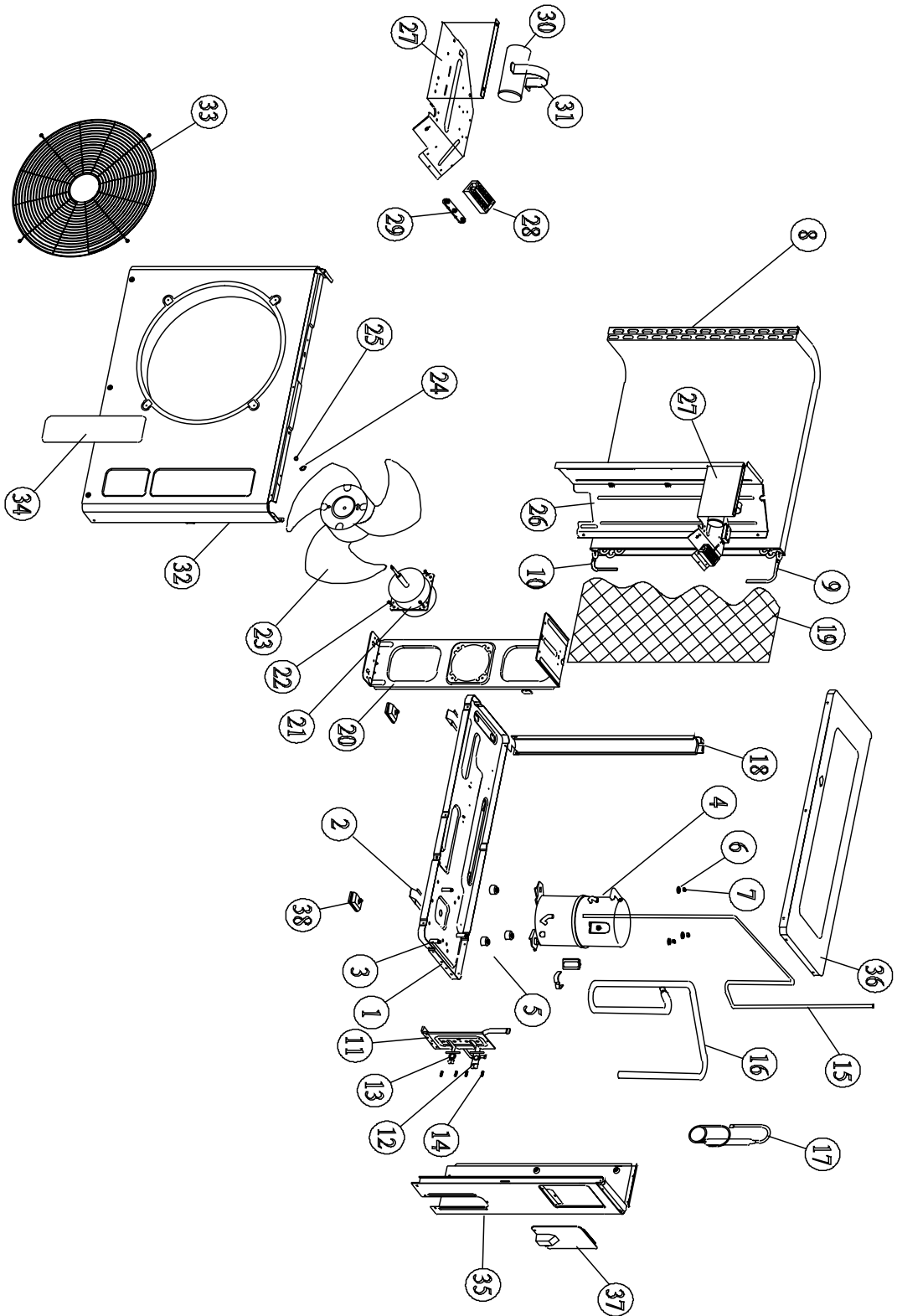


◆ OUTDOOR UNIT PART LIST; DSA-185L, 185P

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No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3110007500	PAN BASE Ass`y	1		
2	3102100201	FOOT	4	SECC T2.0	
3	3106000100	BOLT COMP.	3	M8xL46.5	
4	3117104390	COMPRESSOR Ass`y	1	QJ250K**	LG
5	3108104AE0	COMP. GROMMET	3		
6	7400208411	WASHER PLAIN	3	M8.4 x 22 x T1.6	
7	7392801211	NUT LOCK	3	M8xP1.25 MFZN	
8	3110018920	CONDENSER Ass`y	1	L568.4xH575xW44	
9	3110006110	PIPE COND. IN	1	C-1220T	
10	3110006220	PIPE COND. OUT	1	C-1220T	
11	3100601201	BRACKET SERVICE	1	SECC T1.6	
12	3105400100	SERVICE VALVE	1	1/2" (GAS)	
13	3105400210	SERVICE VALVE	1	1/4" (LIQUID)	
14	7347602011	BOLT HEX	4	M6xL20 MFZN	
15	311009F310	PIPE DICHARGE	1	C-1220T	
16	311009F210	PIPE SUCTION	1	C-1220T	
17	311009F410	PIPE CAPILLARY Ass`y	1	ID ø1.8 x L600	
18	3112500300	GUIDE SUPPORT	1	SECC T1.2	
19	3112400700	GRILLE COND.	1	PE	
20	3110600200	BRACKET MOTOR	1	SGCC T1.2	
21	3118007160	MOTOR ODU	1	YDK-50-6A	
22	7348602011	BOLT HEX	4	WASHER M6xL20 MFZN	
23	3101800100	FAN PROPELLER	1	ABS+G/F(10),OD420,BLK	
24	3118007160	WASHER PLAIN	1	O.D.ø22 xI.D.ø8.4xT1.6	
25	7392800011	NUT HEX	1	M8xP1.25 MFZN	
26	3114500800	PLATE PARTITION	1	SGCC T1.0	
27	3114200600	PANEL CONTROL	1	SECC T0.8	
28	3108914100	TERMINAL BLOCK	1	JXO-CH-3P	
29	3116905300	CAPACITOR DUAL	1	3.0+35µF	
30	3101202000	CLAMP CORD	1	NYLON 66	
31	3101301100	CLAMP CAPACITOR	1	SECC T1.0	
32	3110800210	CABINET FRONT	1	SECC T1.0	
33	3102400710	GRILLE DISCHARGE	1		
34	3103510700	LABEL BRAND	1	P.C.FILM	
35	3110800300	CABINET SIDE	1	SECC T1.0	
36	3114200500	PANEL TOP	1	SECC T1.0	
37	3102600300	HANDLE	1	ABS	
38	3102101000	FOOT CUSHION	4	NBR	

◆ OUTDOOR UNIT EXPLODED VIEW: DSA-245L, 245P



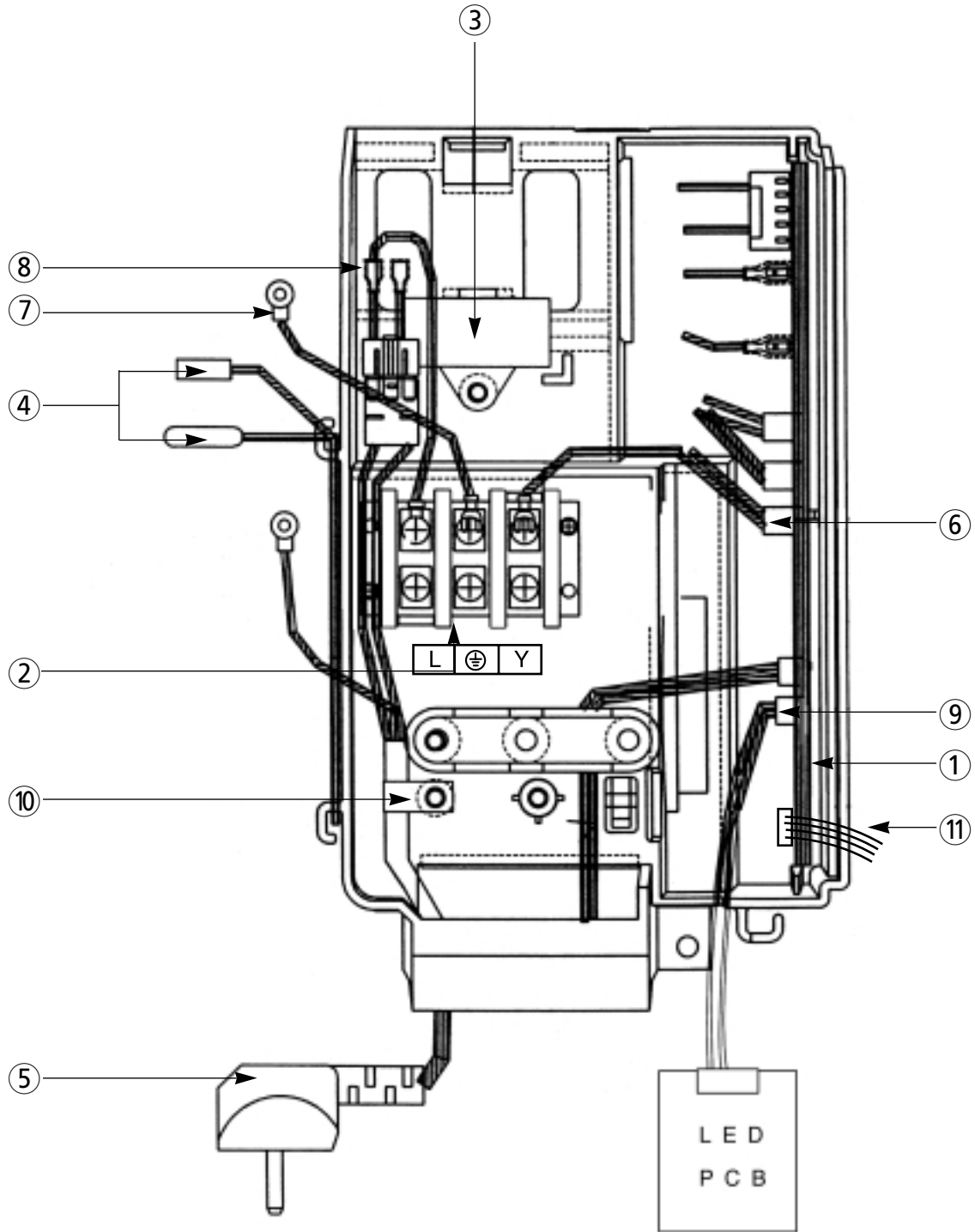
◆ OUTDOOR UNIT PART LIST; DSA-245L, 245P

✓ **Caution** : In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>).

No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3100031102	BASE PAN Ass`y	1	SECC T1.2	
2	3102100901	FOOT	2	SECC T1.6	
3	3106003100	BOLT COMP	3	M8*P1.0*L48	
4	3117141200	COMPRESSOR Ass`y	1	QP325KBB	LG
5	3108104AE0	COMP. GROMMET	3		
6	7400208412	WASHER PLAIN	3	ID8.4*OD26*T1.6	
7	7392800011	NUT HEX	3	M8*P1.25 MFZN	
8	3106800500	CONDENSER Ass`y	1	AL+CU	
9	3100090300	PIPE COND IN	1	C-1220T	
10	3100090400	PIPE COND OUT	1	C-1220T	
11	3100602501	BRACKET SERVICE	1	SECC T1.6	
12	3115401300	SERVICE VALVE	1	5/8" (GAS)	
13	3105401200	SERVICE VALVE	1	3/8" (LIQUID)	
14	3106002300	BOLT HEX	4	M6*L20 MFZN	
15	3114456800	PIPE DISCHARGE	1	C-1220T	
16	3114456700	PIPE SUCTION	1	C-1220T	
17	3100089310	PIPE CAPILLARY Ass`y	1	ID ø2.0 x L500	
18	3102500800	GUIDE SUPPORT	1	SECC T1.6	
19	3102402100	GRILLE COND.	1	PE	
20	3105300400	SUPPORT MOTOR	1	SGCC T1.6	
21	3118008000	MOTOR ODU	1	A2929GS010	
22	7348602011	BOLT HEX	4	WAS M6*L20 MFZN	
23	3101802001	FAN PROPELLER	1	ABS+G/F(20%)	
24	7400208412	WASHER PLAIN	1	ID8.4*OD26*T1.6	
25	7392801211	NUT LOCK	1	M8*1.25P	
26	3104504910	PLATE PARTITION	1	SGCC T0.8	
27	3104201602	PANEL CONTROL	1	SGCC T0.8	
28	3108914100	TERMINAL BLOCK	1	JXO-CH-3P	
29	3101202000	CLAMP CORD	1	NYLON66	
30	3116904800	CAPACITOR DUAL	1	5.0+40uF 400VAC	
31	3101201100	CLAMP CAPACITOR	1	SBHG1 T1.0	
32	3100800800	CABINET FRONT	1	SECC T0.8	
33	3102102000	GRILLE DISCHARGE	1		
34	3103510700	LABEL BRAND	1	PC FILM L346*W90*T0.4	
35	3100801020	CABINET SIDE	1	SECC T0.8	
36	3104201700	PANEL TOP	1	SECC T0.8	
37	3100089220	SERVICE COVER	1	ABS	
38	3111500400	CUSHION RUBBER	4	NBR	

5 CONTROL BOX ASSEMBLY

◆ DSA-095L



◆ DSA-095L

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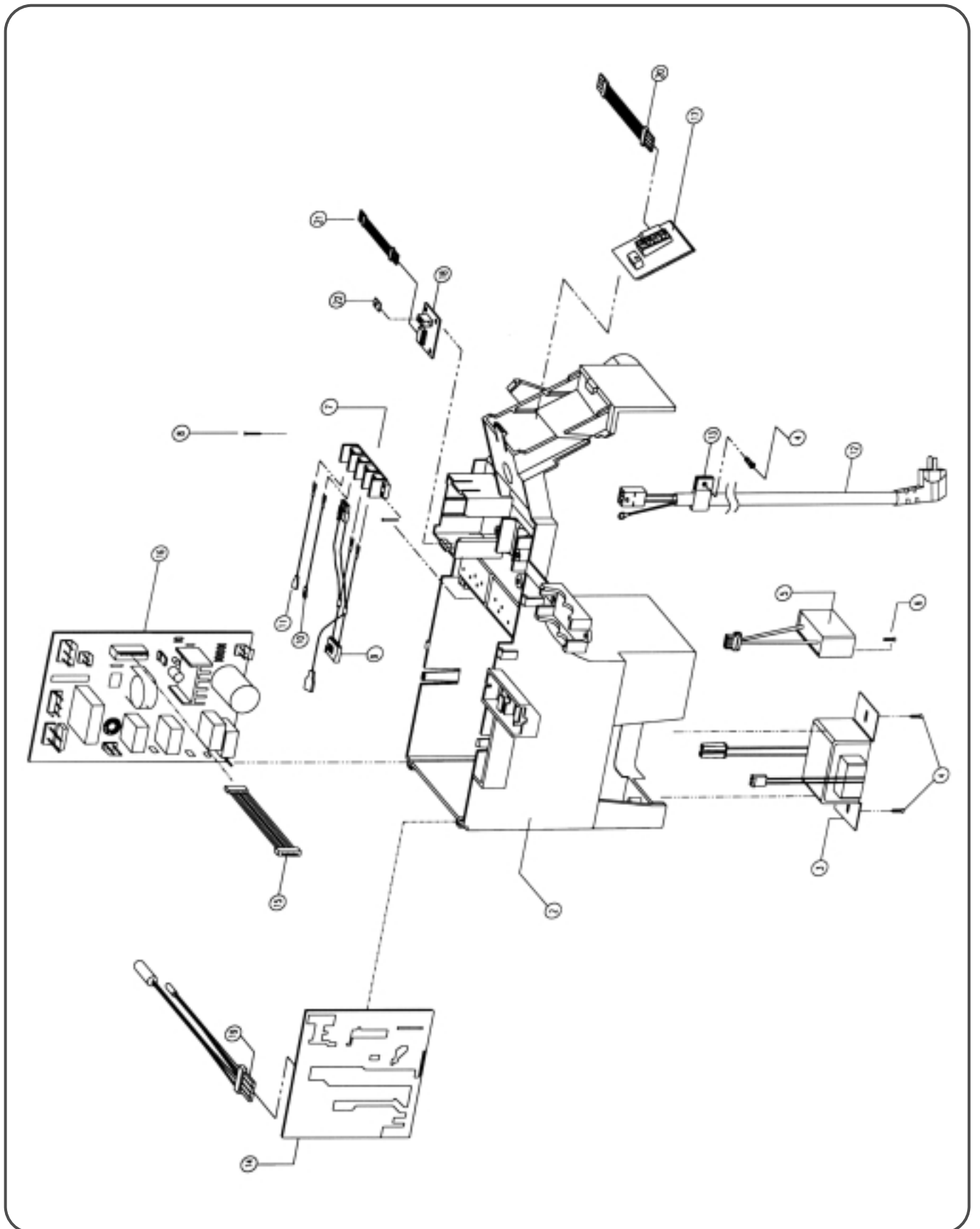
No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3114302010	CONTROL PCB ASS'Y	1		
2	3108914100	TERMINAL BLOCK	1	JXO-CH-3P	
3	3106900300	CAPACITOR SH.M.B	1	1.0 μ F 400VAC	
4	3104896300	SENSOR ID ASS'Y	1	PTM-KD43C-D2	
5	3101301700	POWER CORD ASS'Y	1	250V 15A	
6	3102797610	HARNESS	1	I/D COMP	
7	3102797910	HARNESS	1	I/D EARTH	
8	3102704000	HARNESS	1	POWER	
9	3102704500	HARNESS	1	LED PCB	
10	3101200400	CLAMP CORD	1	DA-5N	
11	3108003910	STEPPING MOTOR	1	24BYJ48-1	

◆ DSA-125L, 125P

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No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3110504000	CONTROL BOX	1	HIPS T2.0 (BLACK)	
2	3101301700	POWER CORD	1	250V 15A	
3	3114302020	CONTROL PCB ASS'Y	1		
4	3118900200	TERMINAL BLOCK	1	JXO-CH-2P	
5	3108003910	STEPPING MOTOR	1	24BYJ-48-1	
6	3112716100	HARNESS LED PCB	1	UL1007 8*26AWG	
7	3112716250	HARNESS ID EARTH	1	UL1015 16AWG	
8	3104896300	SENSOR ID ASS'Y	1	PTM-KD-43C-D2	
9	3101200400	CLAMP CORD	1	DA-5N	

◆ DSA-185L, 185P



◆ DSA-185L, 185P

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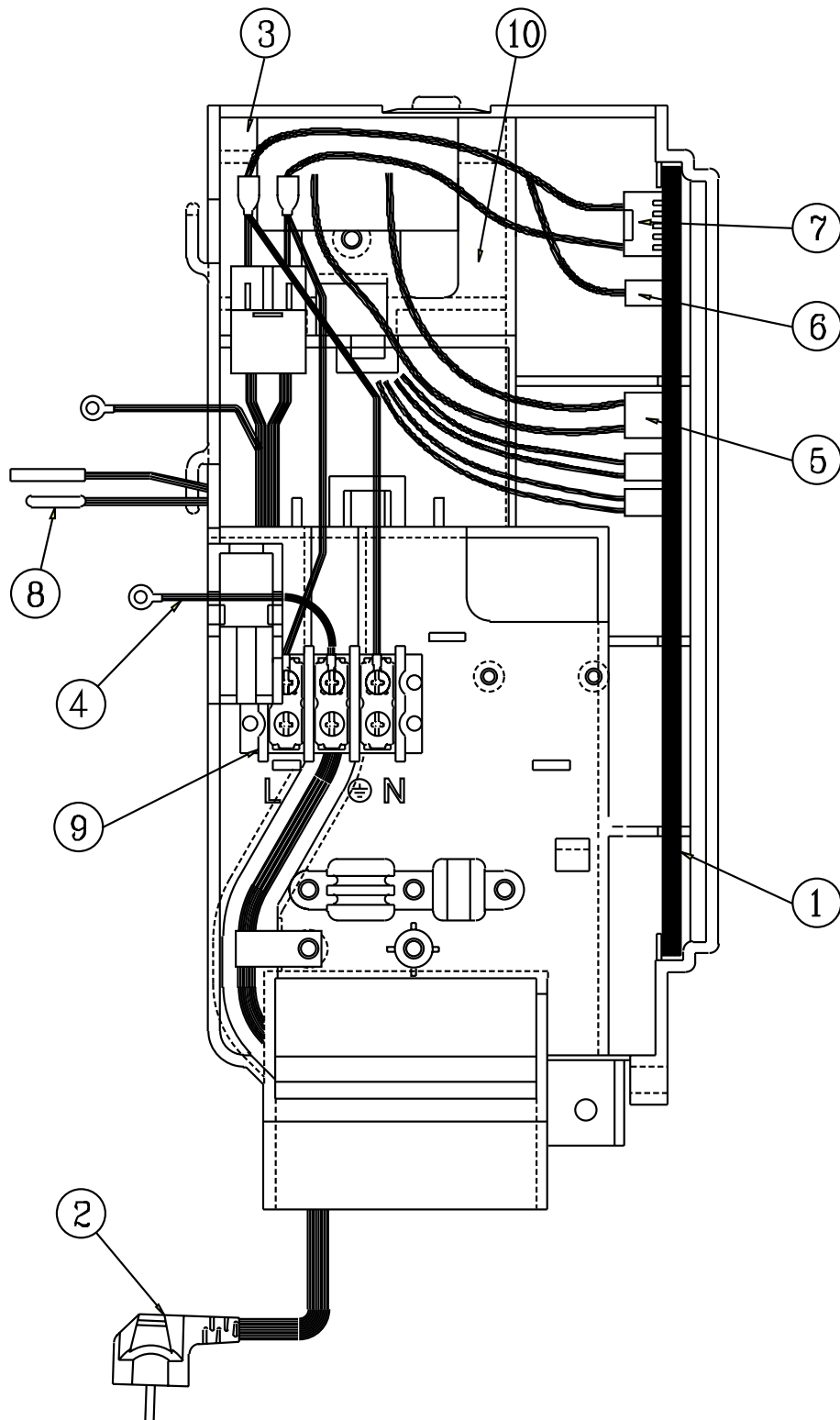
No	PART NAME	SPEC	Q'TY	PART CODE	REMARK
1	CONTROL BOX ASS'Y		1	3100058210	
2	BOX CONTROL-2	ABS (VERSION2)	1	3100506900	
3	PCB TRANS ASS'Y	DWA-220V	1	5EPV633110	
4	SCREW TAPPING	T2S TRS 4X12 MFZN	3	7122401211	
5	CAPACITOR IDM	1.2 μ F/400V	1	3106900210	
6	SCREW TAPPING	T2S TRS 4X24 MFZN	1	7141402411	
7	TERMINAL BLOCK	JXO-CH-3P	1	3108914100	
8	SCREW TAPPING	T2S TRS 3X16 MFZN	2	7111301611	
9	HARNESS POWER	UL1015 #16/18	1	3102704010	
10	HARNESS EARTH	UL1015 #18	1	3102797910	
11	HARNESS COMP SIGNAL	UL1015 #18	1	3102704410	
12	POWER CORD	250V/15A	1	3101398110	
13	CABLE CORD	DA-5N	1	3101200300	
14	CONTROL PCB ASS'Y		1	3114308700	
15	HARNESS CONNECTING	UL 1007 #26	1	3102704901	
16	POWER PCB ASS'Y		1	3104300211	
17	LED PCB ASS'Y		1	3104300301	
18	SWITCH PCB ASS'Y		1	3104300401	
19	SENSOR ID ASS'Y	PEM-KD43C-D1	1	3104896000	
20	HARNESS LED PCB	UL 1007 #26	1	3102704510	
21	HARNESS SWITCH PCB	UL 1007 #26	1	3102707000	
22	KNOB SWITCH	ABS	1	3103400200	

◆ DSA-245L, 245P

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No	PART CODE	PART NAME	Q'TY	SPEC	REMARK
1	3100077060	CONTROL PCB ASS'Y	1		
2	3101200400	CLAMP POWER CORD	1	DA-5N	
3	3113701800	VOLTAGE GENERATOR	1		
4	3102797910	HARNESS EARTH	1	GREEN/YELLOW L170mm	
5	3102714400	HARNESS CAPACITOR	1		
6	3102704410	HARNESS COMP SIGNAL	1	UL1015#18	
7	3102704010	HARNESS POWER	1	UL1015#16	
8	3104897010	SENSOR ID ASSY	1	NTM-KD43C-D2, L330	
9	3108914100	TERMINAL BLOCK	1	JXO-CH-3P	
10	5EPV050120	TRANSFORMER	1	DWA-220B	

◆ DSA-245L, 245P



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PRINTED DATE: MAR. 2004

S/M NO. : 3113914300