

SHARP SERVICE MANUAL

S72V7AY1802S/

SPLIT SYSTEM ROOM AIR CONDITIONER

INDOOR UNIT

MODELS **AY-1802S**

OUTDOOR UNIT

AU-1802Y

AH-180W2S

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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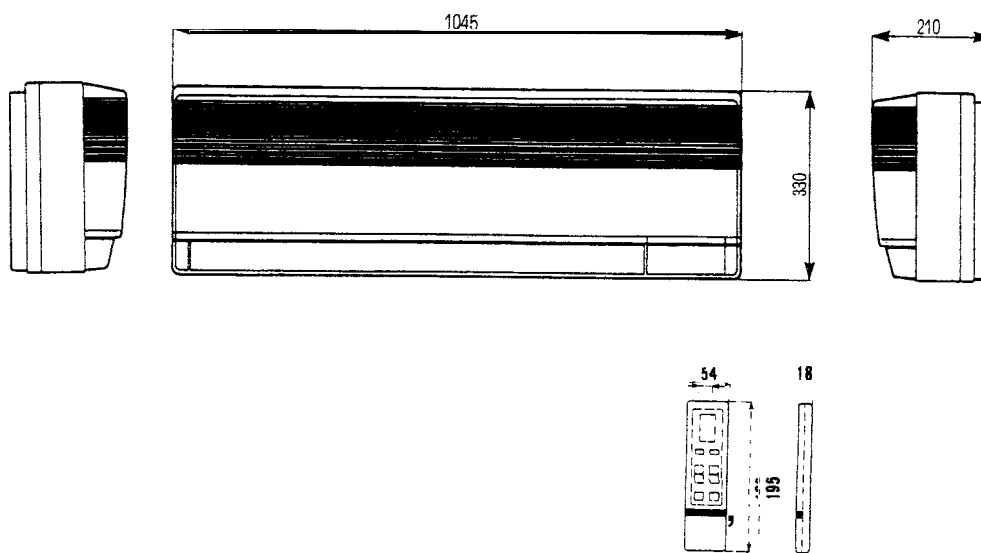
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SPECIFICATIONS

ITEMS			INDOOR UNIT AY-1802S	OUTDOOR UNIT AU-1802Y
Cooling capacity	w		5120	
	B.T.U./h		17500	
	kcal/h		4400	
Heatpump Heating capacity	w		5500	
	B.T.U./h		18800	
	kcal/h		4730	
Moisture removal	Liters/h		2.2	
	Pints/h		4.7	
Electrical data .				
Phase			Single	
Rated frequency		HZ	50	
Rated voltage range		V	207 to 264	
Rated voltage		V	230 -- 240	
Maximum rated current	Cool	A	10	
	Heat	A	9.5	
Maximum rated input	Cool	W	2335	
	Heat	W	2185	
Compressor	Type		Hermetically sealed rotary type	
	Model		PH250X3-4LU	
	Oil charge		600cc(SUNISO 4GSD)	
Refrigerant system	Evaporator		STF fin and Grooved tube type	
	Condenser		Corrugate fin and Grooved tube type	
	Control		Capillary tube	
	Refrigerant volume		1300 g (45.9 oz.) (Factory charged)	
	De-ice system		Micro computer controled reverse system	
Noise level (at cooling, 220V)	High	dB(A)	45	—
	Med.	dB(A)	43	—
	Low	dB(A)	38	—
Fan system				
Drive			Direct drive	Direct drive
Air flow quantity (at cooling)	High	m3(cft)/min.	15 (530)	34 (1200)
	Med.	m3(cft)/min.	12 (424)	—
	Low	m3(cft)/min.	9.8 (346)	—
Fan			Cross flow fan	Propeller fan
Connections				
Refrigerant coupling			Flare type	
Refrigerant tube size Gas, Liquid			1/2", 1/4"	
Refrigerant piping sets No.			AZ-24H3F; (3m) AZ-24H5F; (5m) , AZ-24H7F; (7m), AZ-24H10F; (10m)	
Drain piping mm			O.D ϕ 20	O.D ϕ 18
Others				
Safety device			Compressor: Overload protector	
			Fan motors: Thermal protector	
			Fuse, Micro computer control	
Air filters			Polypropylene net (Washable)	
Net dimensions	Width	mm	1045	1800
	Height	mm	330	637
	Depth	mm	210	268
Net weight		kg	13	51.5

Note: The condition of star (*) marked item are 'IEC 378'.

EXTERNAL DIMENSIONS



Remote controller

Figure E-1. INDOOR UNIT

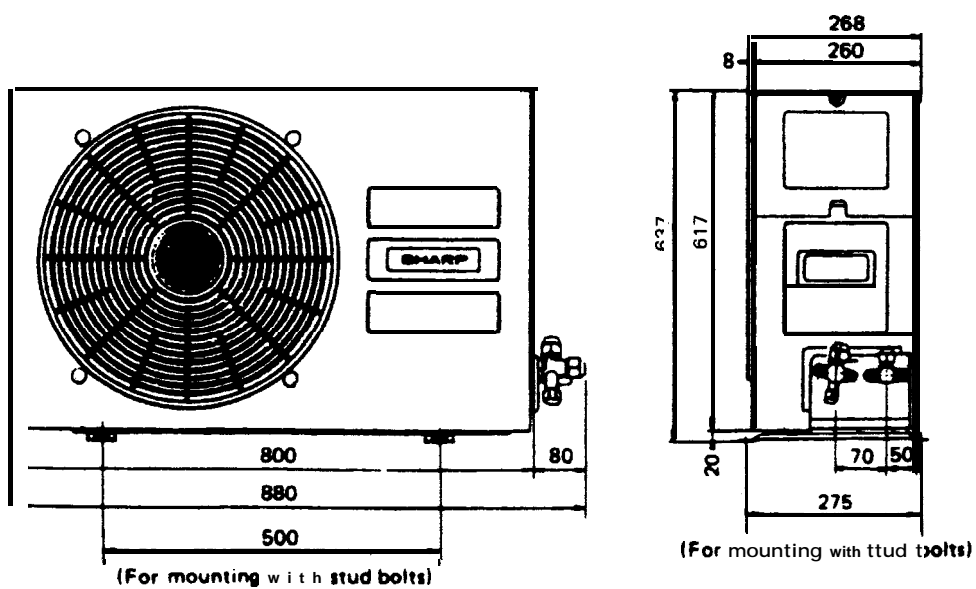


Figure E-2. OUTDOOR UNIT

WIRING DIAGRAMS

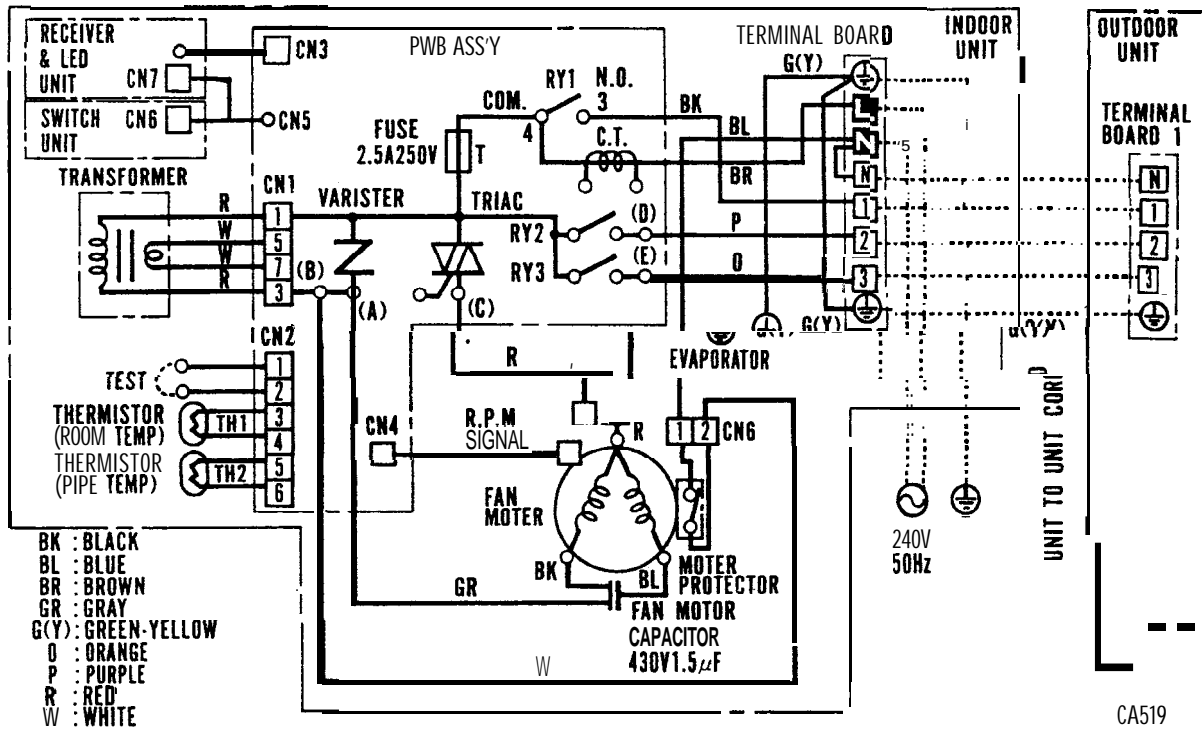


Figure W-1. Wiring Diagram for AY-1802S

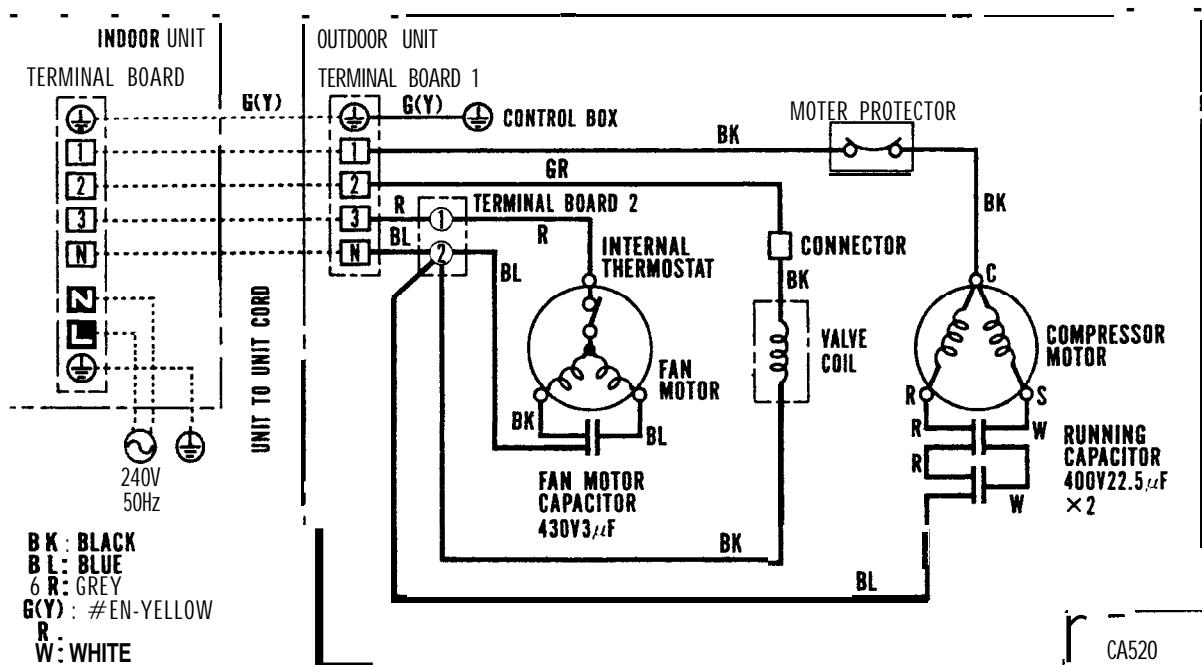


Figure W-2. Wiring Diagram for AU-1802Y

MICROCOMPUTER CONTROL SYSTEM

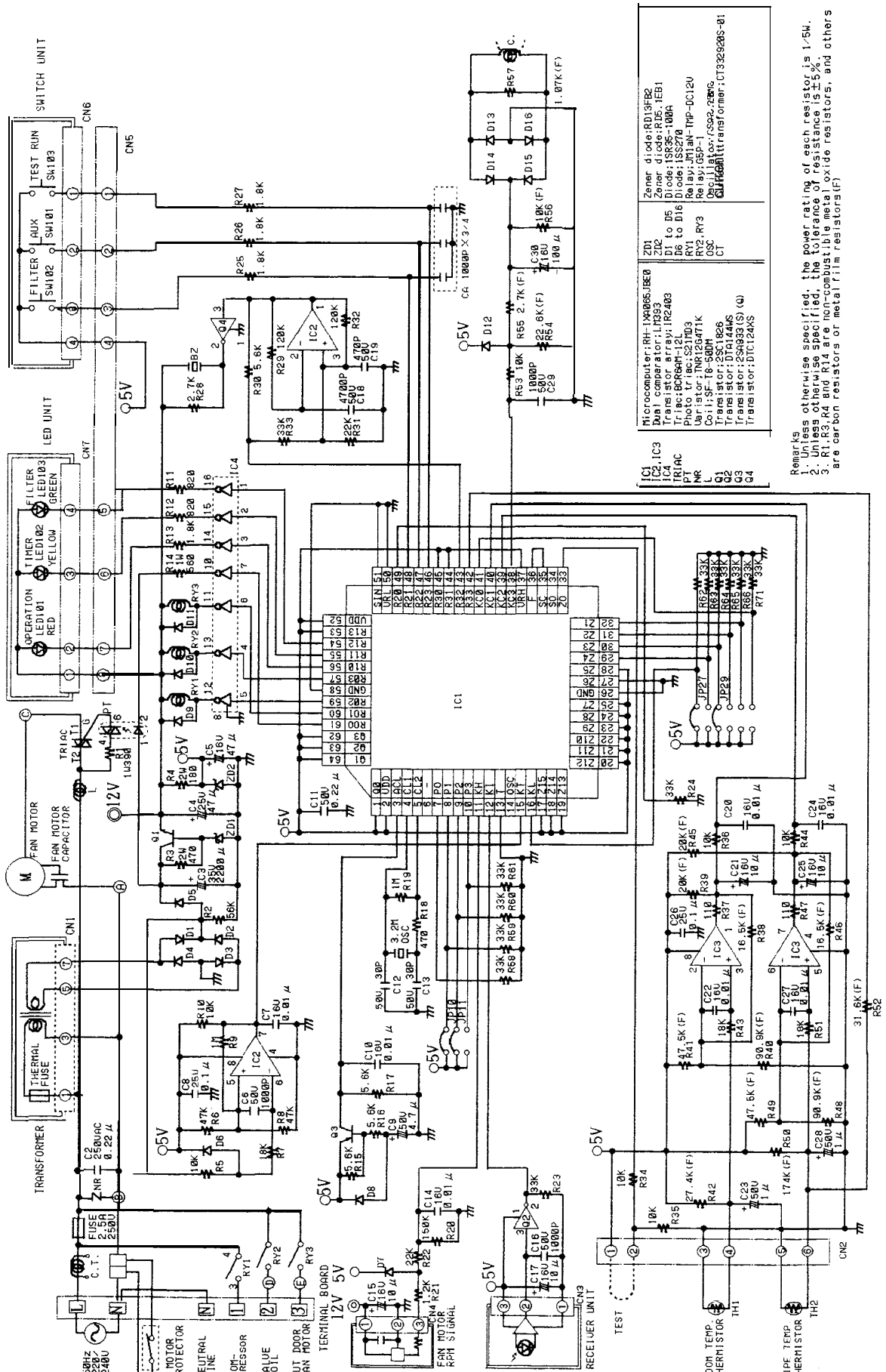


Figure L-1. Electronic Control Circuit Diagram

Microcomputer (IC1)

The microcomputer is a CMOS, one chip, 4-bits microcomputer.

Microcomputer port allocation is as follows.

Pin No.	Terminal Name	Input output	Function
1	Q0	—	(5V)
2	VDD	—	Power supply (5V)
3	ACL	input	Microcomputer reset input
4	CL1	—	Internal osillation of the microcomputer
5	/CL2	—	Internal osillation of the microcomputer
6	f	—	(Not used)
7	P0	Input	(0V)
8	P1	Input	(0V)
9	P2	Input	(5V)
10	P3	Input	(0V)
11	KH	Input	R.P.M. signal
12	KI	Input	Remote control signal
13	T	—	(0V)
14	OSC	—	(Not used)
15	KT	Input	AC clock input
16	KL	Input	(5V)
17	Z15	output	—
18	Z14	output	—
19	Z13	Output	—
20	Z12	output	—
21	Z11	Output	—
22	Z10	Output	—
23	Z9	Output	—
24	Z8	Output	—
25	Z7	/output	—
26	GND	—	Power supply (0V)
27	Z6	output	—
28	Z5	output	—
29	Z4	Input	(0V)

Pin No.	Terminal Name	Input output	Function
30	Z3	Input	(5V)
31	Z2	Input	(0V)
32	Z1	Input	(0V)
33	zo	Input	Test mode
34	SO	—	(Not used)
35	SC	—	Connect F terminal
36	F	—	Connect SC terminal
37	VRH	—	—
38	KC3	Input	Current signal
39	KC2	Input	Pipe temp. thermistor signal
40	KC1	Input	Room temp. thermistor signal
41	KC0	Input	(0V)
42	R33	output	—
43	R32	output	Buzzer signal
44	R31	output	—
45	R30	output	—
46	R23	Input	Key in signal (TEST RUN)
47	R22	Input	Key in signal (AUX.)
48	R21	Input	Key in signal (FILTER)
49	R20	Input	Functional selection (0V)
50	VRL	—	—
51	SIN	—	—
52	VDD	—	Power supply (5V)
53	R13	output	—
54	R12	output	LED 103
55	R11	output	LED 102
56	R10	output	LED 101
57	R03	output	Valve coil control
58	GND	—	Power supply (0V)
59	R02	output	Compressor motor control
60	R01	output	Outdoor fan motor control
61	R00	Output	—
62	Q3	Output	—
63	Q2	Output	—
64	Q1	Output	—

MICROCOMPUTER CONTROL SYSTEM

1. Temperature control characteristic

I-1 COOL operation

In the "COOL" mode, the thermostat circuit is controlled by four thermostat lines (C1 thru C4).

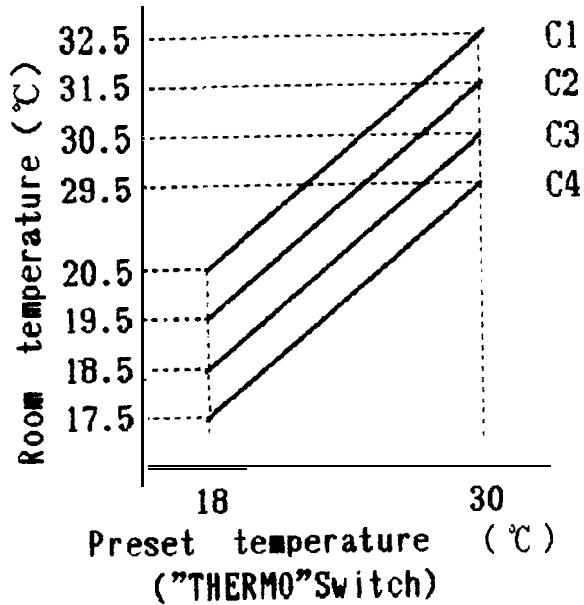


Figure Y-1

I-2 DRY operation

In the "DRY" mode, the thermostat circuit is controlled by three thermostat lines (D1 thru D3).

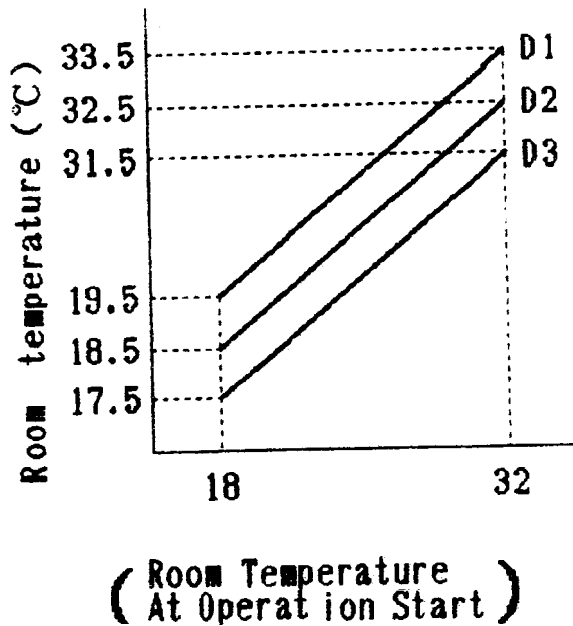


Figure Y-2

1-3 HEAT operation

In the "HEAT" mode, the thermostat circuit is controlled by four thermostat lines (H1 thru H4).

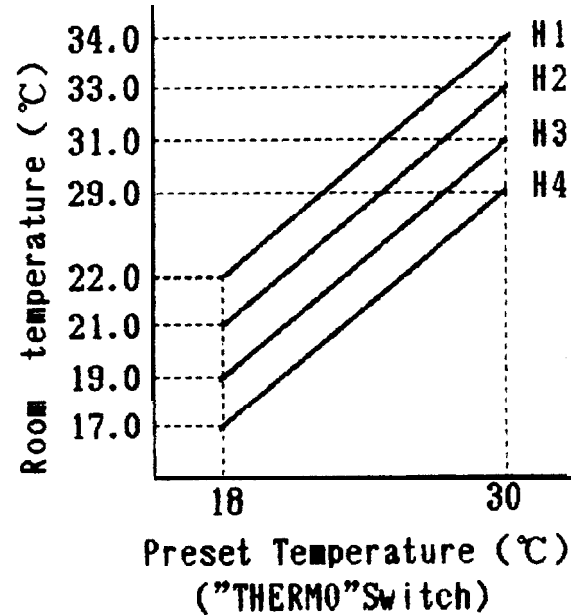


Figure Y-3

2. Operation modes

2-1 COOL operation

The compressor turns on or off, at the thermostat lines C3 and C4. The outdoor fan motor is also controlled with the compressor.

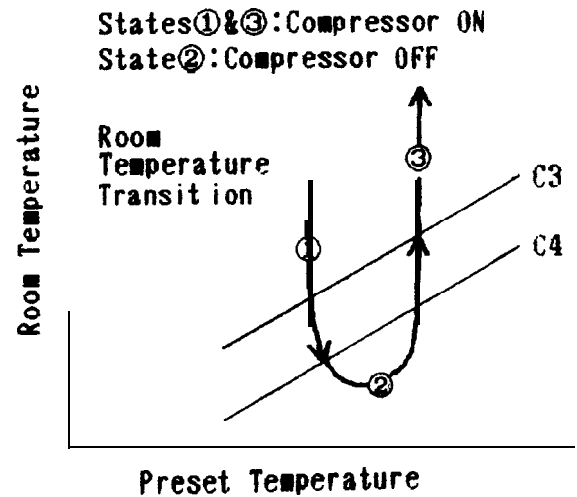


Figure Y-4

2-2 DRY operation

On the switch on, the compressor always starts to operate for 3 minutes with fan speed "D" (slower than "UL").

The microcomputer reads the room temperature 3 minutes after this first compressor operation. This room temperature is set as the preset temperature automatically.

The preset temperature ranges from 18°C to 32°C.

When the room temperature is below 18°C, the preset temperature is set to 18°C, and when the room temperature is over 32°C, the preset temperature is set to 32°C.

Dry operation is divided into three zones (Cooling zone, Dehumidifying zone and Circulating zone) by thermostat lines (D1 to D3), and the compressor and the fan motor are controlled in each zone as shown in Table Y-I.

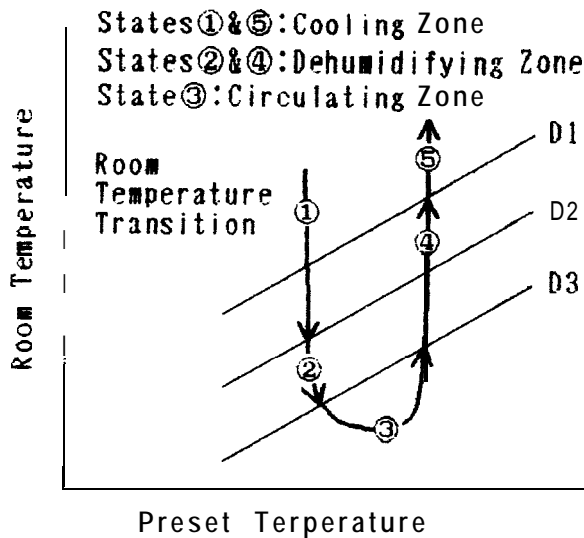


Figure Y-5

Table Y-I

	Compressor	Fan Speed
Cooling zone	ON	"UL"
Dehumidifying zone	2 min. ON 3 min. OFF Interval	"D" 2 min. 20 sec. ON 2min. 40 sec. OFF Interval
Circulating zone	OFF	

2-3 Heat operation

The indoor fan motor turns on or off, at the thermostat lines H1 and H2.

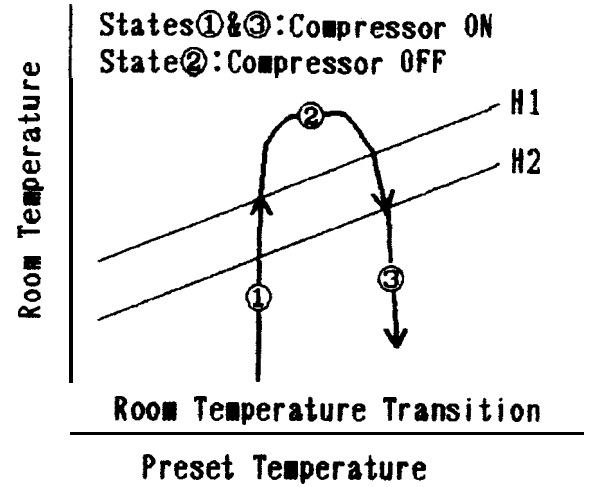


Figure Y-6

3. Fan speed

Fan speeds are given by the indoor fan motor, "H", "M", "L" and "UL", which are available in the following operation mode.

Table Y-2

FAN Switch	HEAT	COOL
HIGH	H	M
LOW	M	L
SOFT	L	UL

4. Hot-Keep

This function automatically controls the on-off operation of the indoor fan motor in accordance with the on-off operation of the compressor during the heating operation, thereby preventing the air conditioner from delivering a cold air when the compressor is off.

When the room temperature exceeds the thermostat line "HI", the compressor is turned off, and the indoor fan motor is turned off after rotating at "UL" for 30 seconds.

3 minutes after turning off the compressor, the compressor is turned on for 2 minutes.

At 10 seconds after turning on the compressor, the indoor fan motor is turned on.

The next compressor OFF time is for 3, 8 or 15 minutes according to the room temperature (the time increases with a rise of room temperature) when two minutes elapse after turning on the compressor.

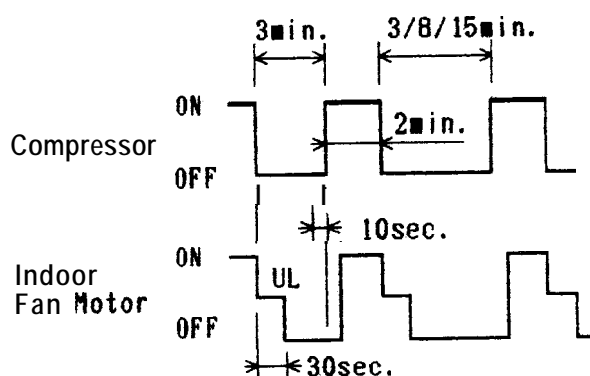


Figure Y-7

5. Preheat air flow

This function is intended to prevent cold air from being discharged when the heating operation starts or when defrosting.

When the indoor pipe temperature is below 29°C at the beginning of the heat operation or after defrosting, the indoor fan motor stays.

When the indoor pipe temperature gets higher than 29°C, the fan motor is turned on at speed "UL" after compensation of starting.

When the indoor pipe temperature exceeds 35°C, the specified fan speed is restored.

When the indoor pipe temperature falls below 30°C, the fan speed shifts down to "UL".

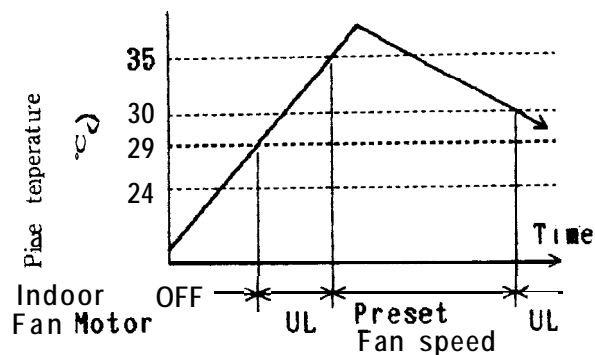


Figure Y-8

6. Overheating protection system

When overloading occurs during the heating operation, this system controls the outdoor fan motor according to the indoor pipe temperature to prevent the overloading of the compressor and restrain the rise in high pressure.

When the indoor fan speed is "L", for instance, the outdoor fan motor stops if the indoor pipe temperature exceeds 53°C, and the outdoor fan motor is turned on whether 3 minutes elapse or when the pipe temperature falls below 49°C.

7. Current control

This system, in order to prevent overcurrent during heating operation, controls the outdoor fan motor and changes the indoor fan motor speed by detecting total current.

When an excessive current is detected, it automatically stops the compressor.

The change in the indoor fan speed occurs in the following fashions; from "off" to "UL", "UL" to "L", "L" to "L", "M" to "M", "H" to "H", and vice versa.

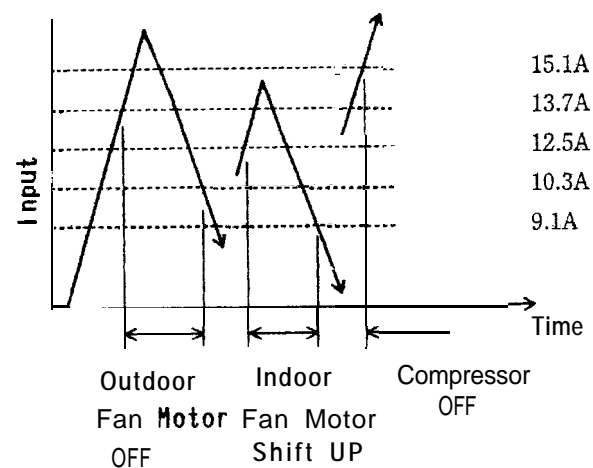


Figure Y-9

8. Anti-sweating

When the operation continues 30 minutes at the fan switch "SOFT" in cooling zone or dehumidifying zone during dry operation or in continuous compressor operation during cool operation, the fan speed of indoor fan motor shifts up, from "UL" to "L" or from "D" to "UL".

9. Freeze preventive

When the indoor pipe temperature falls below -1°C during cool operation or dry operation, the compressor is stopped.

10. Defrost

The defrost timer (integrating the operation time of compressor) counts time with microcomputer during heat operation.

Frost of outdoor pipe is estimated by indoor pipe temperature (TH2), room temperature (TH1) and operation state of compressor.

The defrosting is performed if the following two conditions are met during heat operation.

- Time-up defrost timer
(Usually 60 minutes. 40 minutes for the first time after starting the heat operation. It is reset on starting heat operation and defrosting)
- $$\{[(\text{TH2}-\text{TH1}) \leq 15^{\circ}\text{C}] \text{ AND } [\text{TH2} < 38^{\circ}\text{C}]\}$$

$$\text{OR } \{[(\text{TH2}-\text{TH1})_{\text{max}} - (\text{TH2}-\text{TH1})] \geq 4^{\circ}\text{C}\}$$

$$\text{AND } [(\text{TH2}-\text{TH1}) \leq 25^{\circ}\text{C}]\}$$

In the defrost operation, first, the compressor is turned off, the fan speed is set to "UL" and the outdoor fan motor is turned off.

30 seconds later the indoor fan motor is turned off, 50 seconds later the reverse valve is turned off, and 60 seconds later the compressor is turned on.

In the end of defrosting, the compressor is turned off, the outdoor fan motor is turned on, 50 seconds later the reverse valve is turned on, 60 seconds later the compressor is turned on, starting heat operation. At this time, the indoor fan motor is turned off or the fan speed is set to "UL" if preheat air flow function is effective.

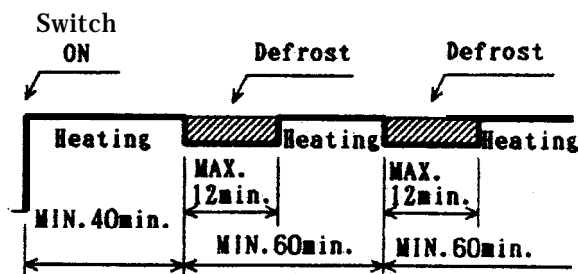


Figure-Y-10

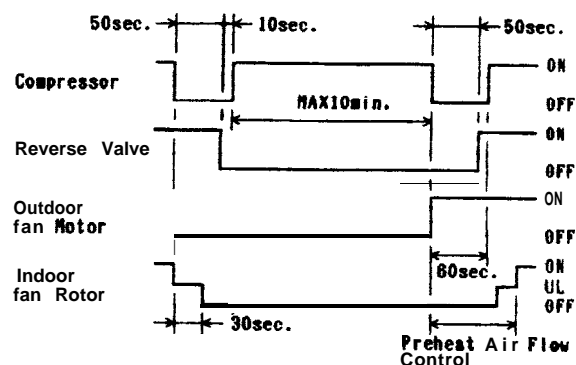


Figure Y-I 1

11. Delayed operation of the reverse valve

When the heat operation is shut down or the operating mode is switched from heat to cool or dry, or vice versa, the reverse valve does not function in the 3-minute delay period; and it functions the 3-minute delay period is over.

12. Test run

If the "TEST RUN" button in the unit is pushed during suspension of operation, cool test operation starts. At this time, the fan speed is set to "M". If this button is pushed during operation, the test operation starts in current operation mode. The operation LED (red) flickers during test run.

During cool operation and heat operation, the compressor is kept on but in dry operation it is set in the dehumidifying zone.

13. Timer

To set the timer, set the "TIMER" switch to a desired time, then push the "TIMER" button.

ON-timer or OFF-timer is automatically judged according to the operation state just when pushing the button.

When the "TIMER" button is pushed during operation, the OFF-timer is set but when this button is pushed in stop mode, the ON-timer is set.

When one hour elapsed after the OFF-timer is set, thermostat setting is automatically shifted ($+1^{\circ}\text{C}$ in cool operation and dry operation, -3°C in Heat operation).

14. Automatic air conditioning

When automatic air conditioning is selected, the operation mode and preset temperature are set automatically according to the room temperature on starting operation.

Table Y-3

Room temperature at operation start	Operation Mode	Preset Temperature
Above 28°C	COOL	26°C
26 to 28°C		25°C
21 to 26°C	DRY	Room temperature at operation start 23°C
Below 21 °C	H EAT	

When the automatic preset temperature is selected, preset temperature is automatically set as follows according to the operation mode.

Table Y-4

Operation Mode		Preset temperature
COOL	Above 28°C	26°C
	Below 28°C	25°C
DRY		Room temperature at operation start
H EAT		23°C

15. Automatic fan speed

When the automatic fan speed is selected in cool or heat operation, the fan speed is automatically changed by the thermostat lines C1 to C3 in cool operation and H2 to H4 in heat operation.

a. COOL operation

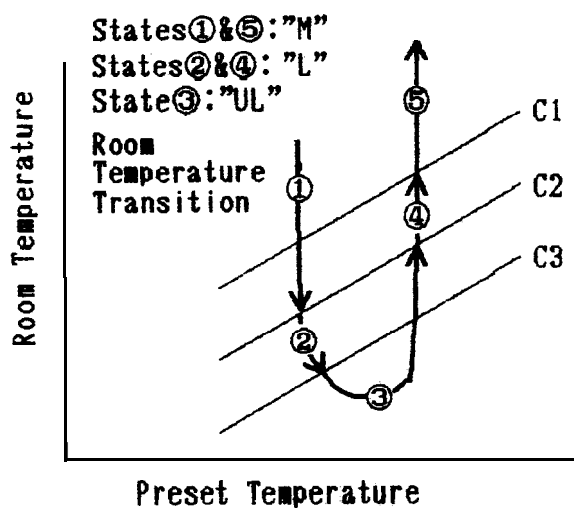


Figure Y-I 2

b. HEAT operation

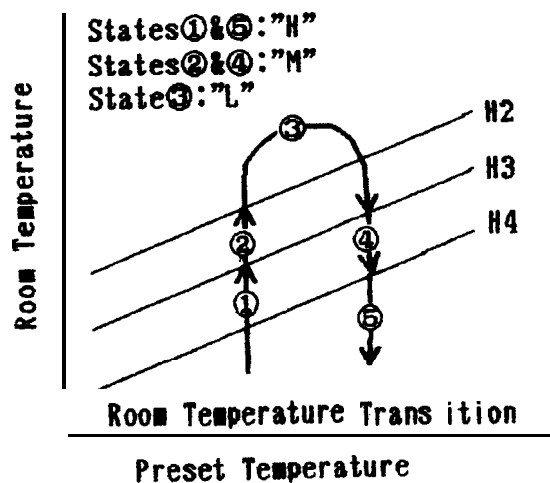


Figure Y-I 3

16. Outputs in each operation mode

Table Y-5

Model		Compressor	Outdoor FanMotor	Indoor Fan motor	Valve coil
COOL		ON	ON	ON	OFF
		OFF	OFF	ON	OFF
H EAT	Normal	ON	ON	ON	ON
		OFF	OFF	UL(OFF)	ON
	Preheat Air Flow Control	ON	ON	UL(OFF)	ON
	On Defrost	ON	OFF	OFF	OFF
DRY	Cooling	ON	ON	L(UL)	OFF
	Dehumidifying	ON/OFF	ON/OFF	UL(D)/OFF	OFF
	Circulating	OFF	OFF	D/OFF	OFF

17. Test mode

17-1) TEST 1

(For control circuit operation checking)
 Make terminals 1 and 2 of connector CN2 short-circuited and supply the power.
 Hereby the timer's period becomes shortened.
 In this test mode, the control times are changed as follows.

Filter sign: 1/3600 (100 seconds)
 Other controls: 1 /60 (ex.: 3 min. to 3 sec.)

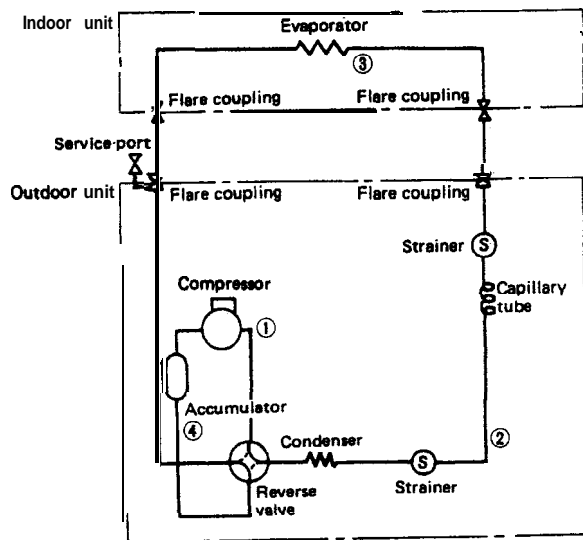
17-2) TEST 2

(For output of each operation checking)
 Keep pushing both the buttons, "AUX." and "TEST RUN", and supply the power, the system will go to the test 2 mode.
 In this mode, the out-put of operations is switched by the "TEST" button.
 Use the "AUX." button to cancel the test mode.
 Normal output is shown in Table Y-6.

Table Y-6

Step	Output for Outdoor Unit	Fan speed	Lamps		
			RED	GREEN	YELLOW
1	OFF	D	ON/OFF	OFF	ON
2	OFF	UL	ON/OFF	ON	OFF
3	Outdoor Fan motor	L	ON/OFF	OFF	OFF
4	Compressor	M	ON/OFF	OFF	OFF
5	Reverse Valve	H	ON/OFF	OFF	OFF
(Black to step 1)					

REFRIGERATION CYCLE



Cycle temperature and service port pressure

(AS: Cooling and Heatpump condition)

No.	Condition	Cooling	Heating
1		97 °C	79 °C
2		43 °C	3 °C
3		9 °C	46 °C
4		15 °C	-2 °C
Service port pressure		4.7 kg/cm ² G	18.9 kg/cm ² G

Dimension of Capillary tube

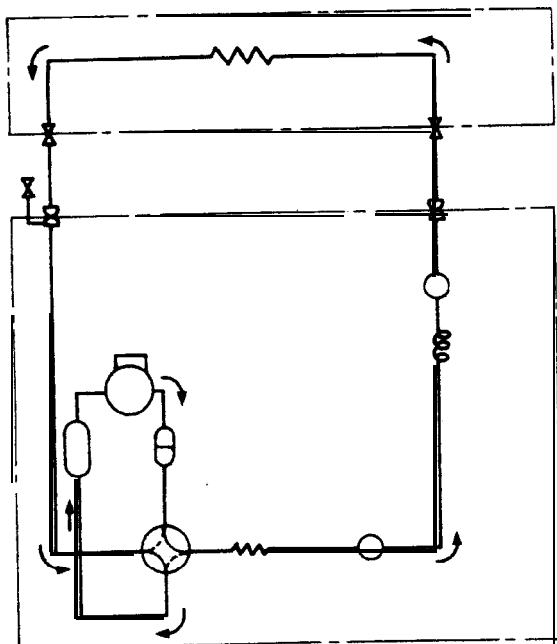
	O.D	I.D	L
Capillary tube	φ3.2	φ1.9	500

AS Cooling and Heatpump condition

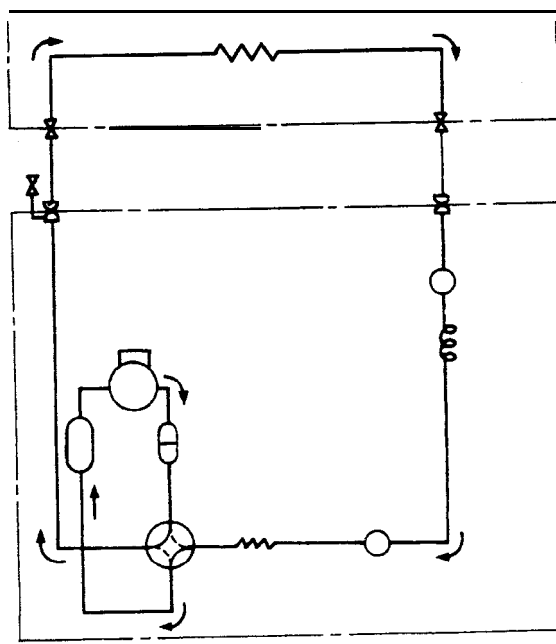
	Indoor side		Outdoor side	
	Temperature (°C)	Relative humidity (%)	Temperature (°C)	Relative humidity (%)
Cooling	27	48	35	40
Heating	21	37	7	07

Flow of refrigerant

Cooling



Heating



PERFORMANCE CURVE

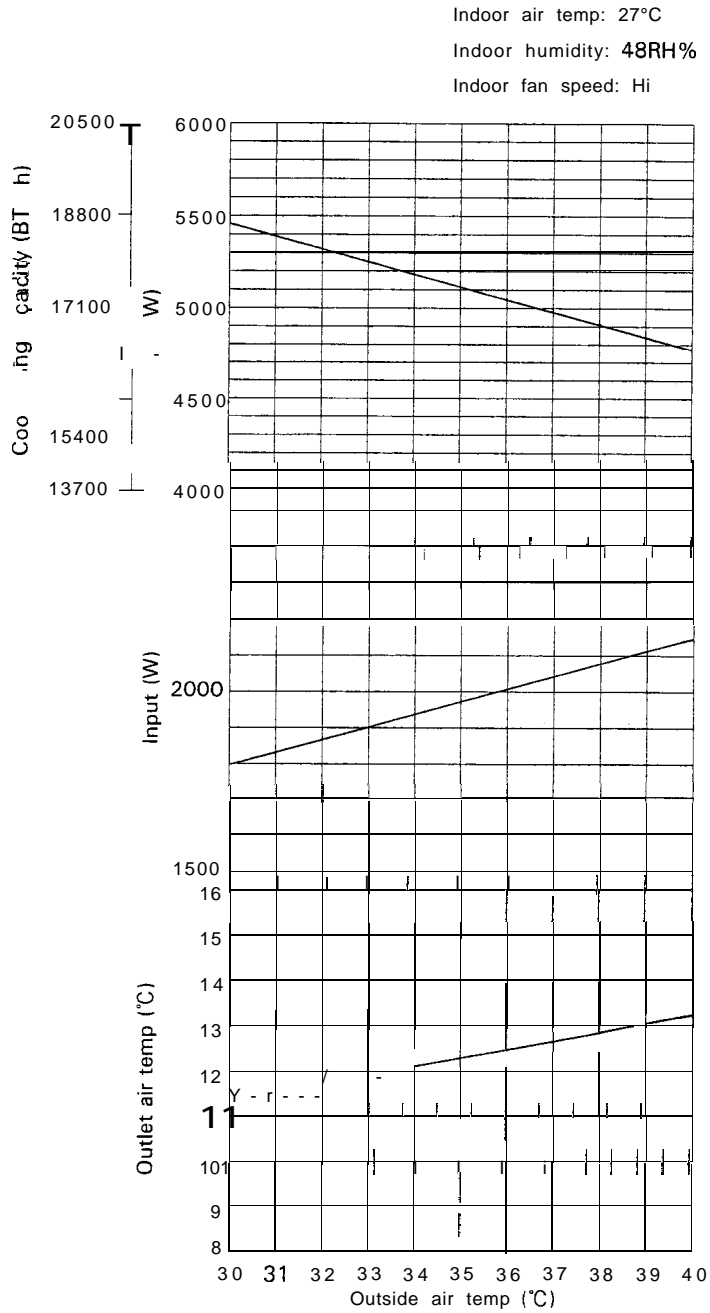


Figure P-1. At Cooling for AY-1802S

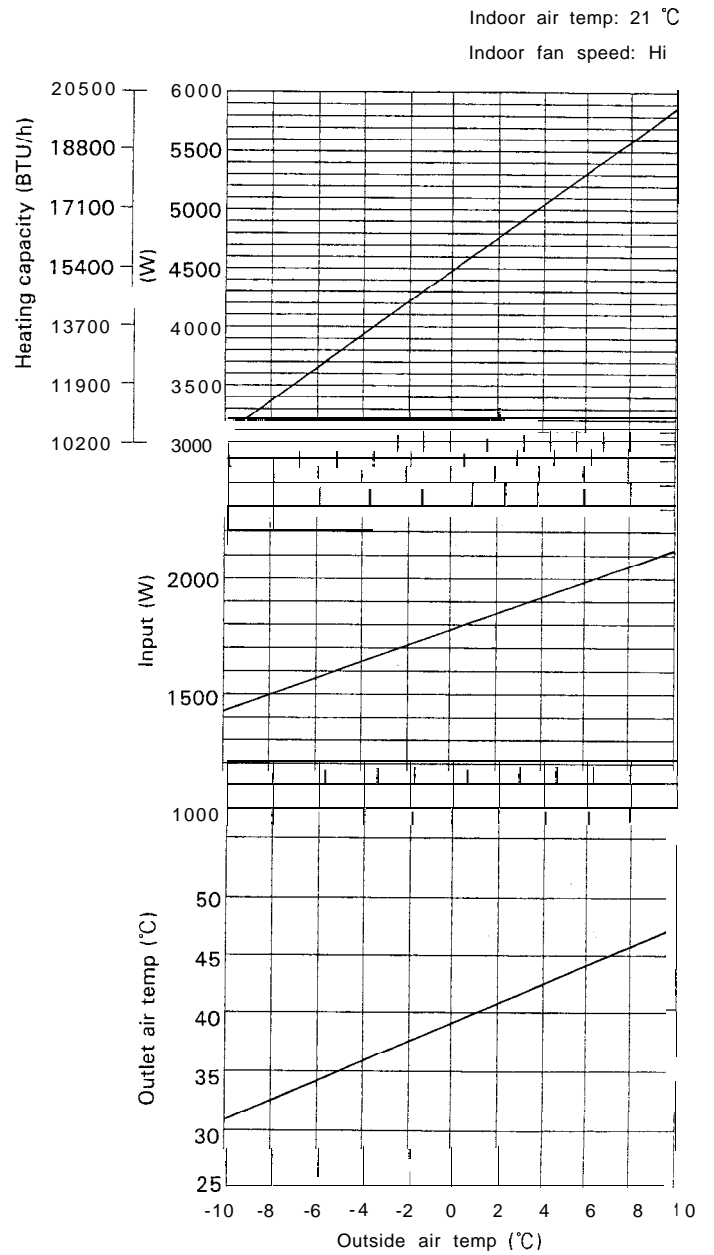


Figure P-2. At Heating for AY-1802S

REFRIGERANT PIPE INSTALLATION WORKS

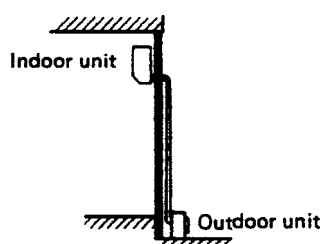
(1) Refrigerant pipe length and level difference between the indoor and outdoor units.

PIPE SIZE		STANDARD PERMISSIBLE LENGTH	PERMISSIBLE LEVEL DIFFERENCE
GAS	LIQUID		
1/2"	1/4"	10m (32.8ft)	5m (16.4ft)

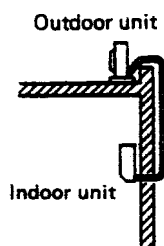
- ★ The greater the pipe length and the level difference, the more the cooling and heating capacities decrease, See paragraph (2).
- ★ The shorter the refrigerant pipe, the higher the machine capability. Keep the pipeline as short as possible.

(2) Percentage change of the cooling and heating capacities due to the pipe length and level difference

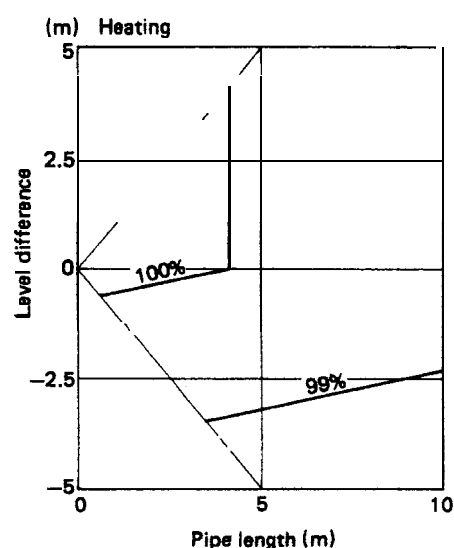
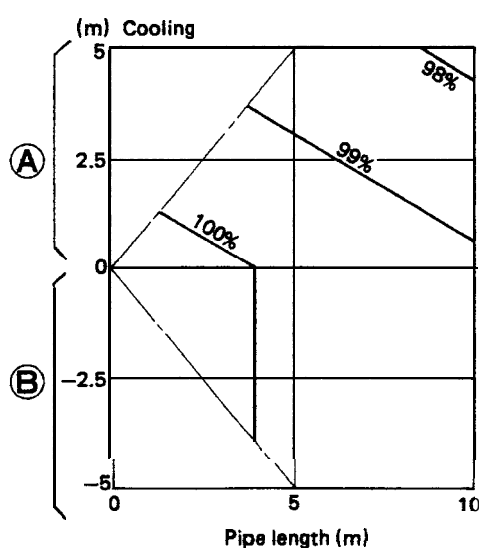
The real cooling and heating capacities are obtained as the product of the capacities, which is read in the performance curves and the percent read in the below diagram.



Ⓐ When the outdoor unit is installed in a lower location than the indoor unit.



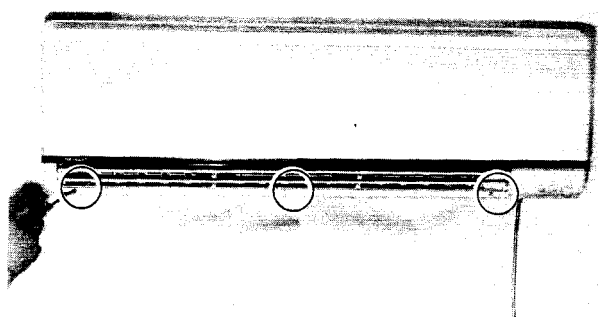
Ⓑ When the outdoor unit is installed in a higher location than the indoor unit.



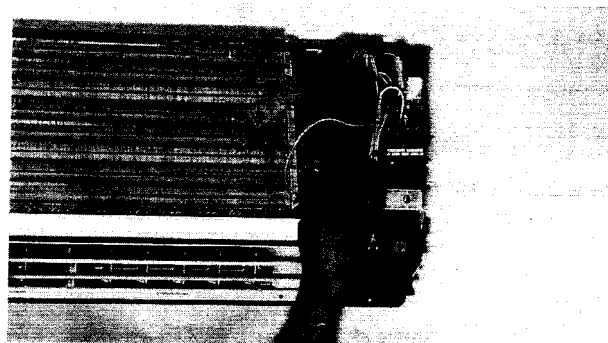
DISASSEMBLING PROCEDURE

FOR INDOOR UNIT MODEL AY-1802S

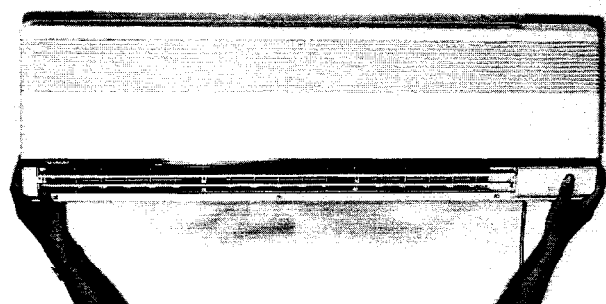
CAUTION: DISCONNECT THE UNIT FROM THE POWER SUPPLY BEFORE ANY SERVICING



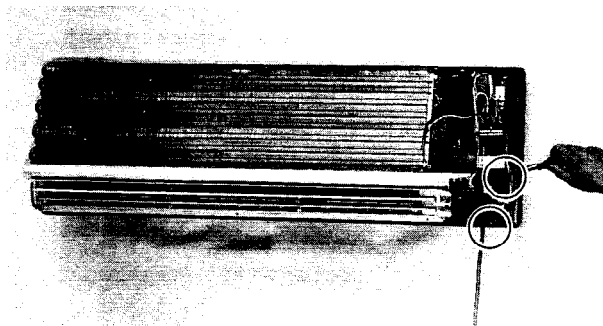
1. Set the vertical adjustment louvers horizontally.
Remove 3 screw covers and 3 screws.
(When assembling, after fixing the front panel with 3 screws, push the center of the front panel slightly. The spring hook will secure the front panel with 3 screws.)



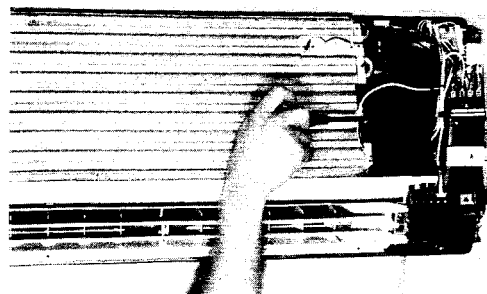
4. Take out thermister holder and thermister for evaporator.
Disconnect fan motor connector and unit-to-unit cord.



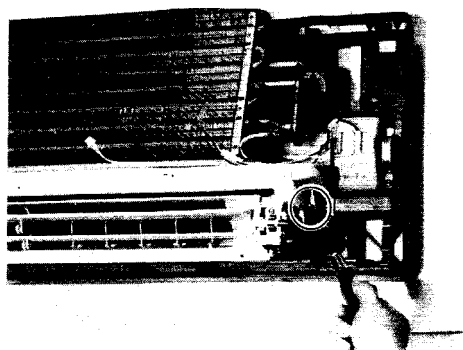
2. Remove the front panel ass'y while lifting up.



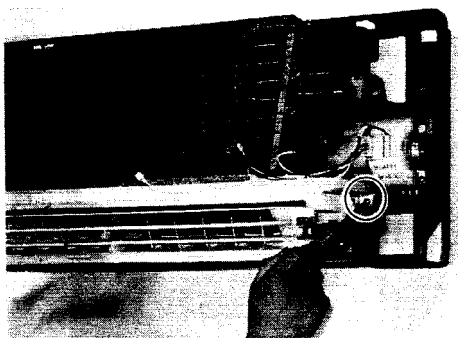
5. Loose 2 screws fixing control box and take control ass'y out.



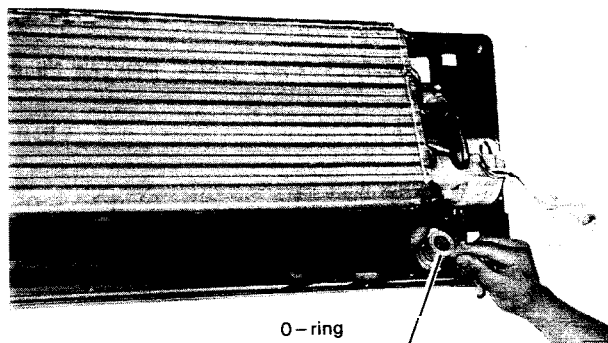
3. Loose a screw for a pipe cover and take it out.



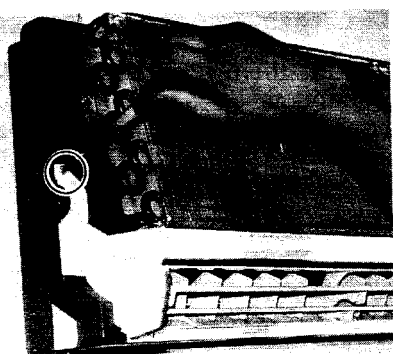
6. Loose a screw fixing drain hose.



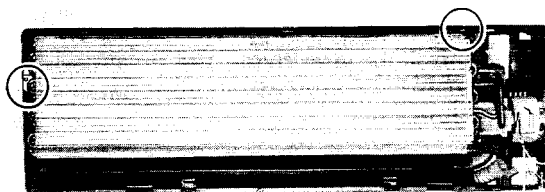
7. Loose a screw fixing drain pan ass'y. (Right side)



10. When assembling, make sure that O-ring is set to drain hose.



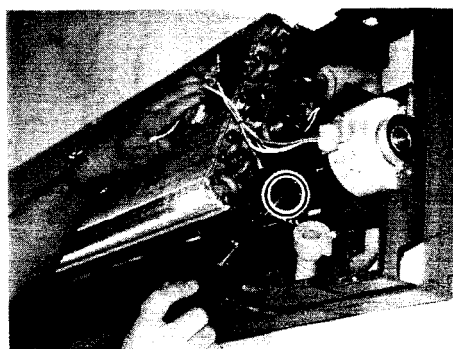
8. Loose a screw fixing drain pan ass'y. (Left side)



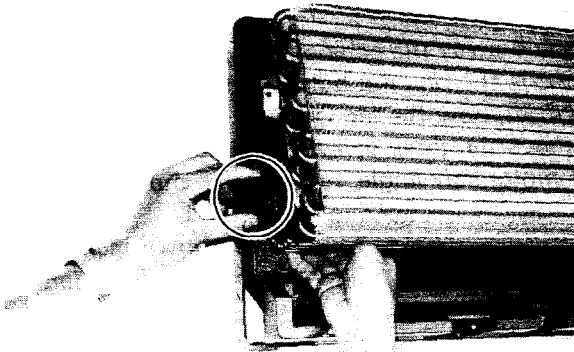
11. Loose 2 screws fixing evaporator.



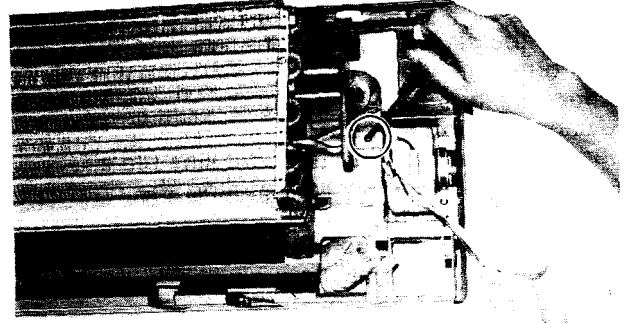
9. Take the drain pan ass'y out.



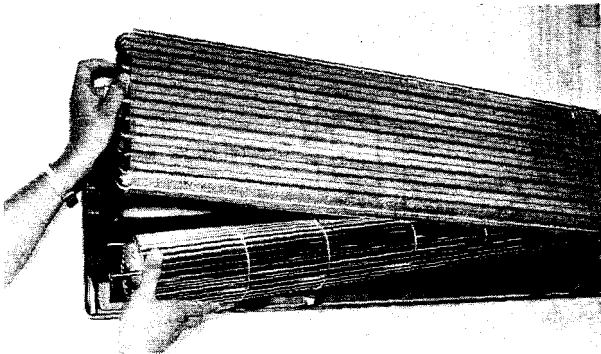
12. Loose a screw fixing cross flow fan to motor.



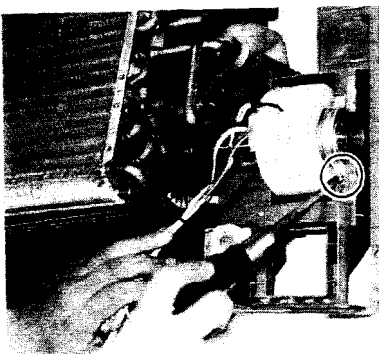
13. Take out the fan bearing ass'y.



16. Loose a screw fixing fan cover. Take the fan motor out.



14. Take out the cross flow fan while slightly lifting the evaporator.



15. Loose a screw fixing fan motor holder.

FOR OUTDOOR UNIT MODEL AU-1802Y

CAUTION: DISCONNECT THE UNIT FROM THE POWER SUPPLY BEFORE ANY SERVICING

1. Remove the screws holding the left side plate and pull it out.
2. Remove the one screw holding the control cover to the cabinet and pull it out.
3. Loosen the screw holding the right side plate.
4. Remove the another screws holding the right side plate and pull it out.
5. Remove the another screws holding the left and right side of the cabinet .
6. Lift and away the cabinet.
7. Remove the one nut holding the fan to the fan motor shaft, now the fan is free.
8. Remove the three screws holding the fan motor to the motor stay angle, now the fan motor is free.

NOTE: Number as shown in following figure is the removal order.

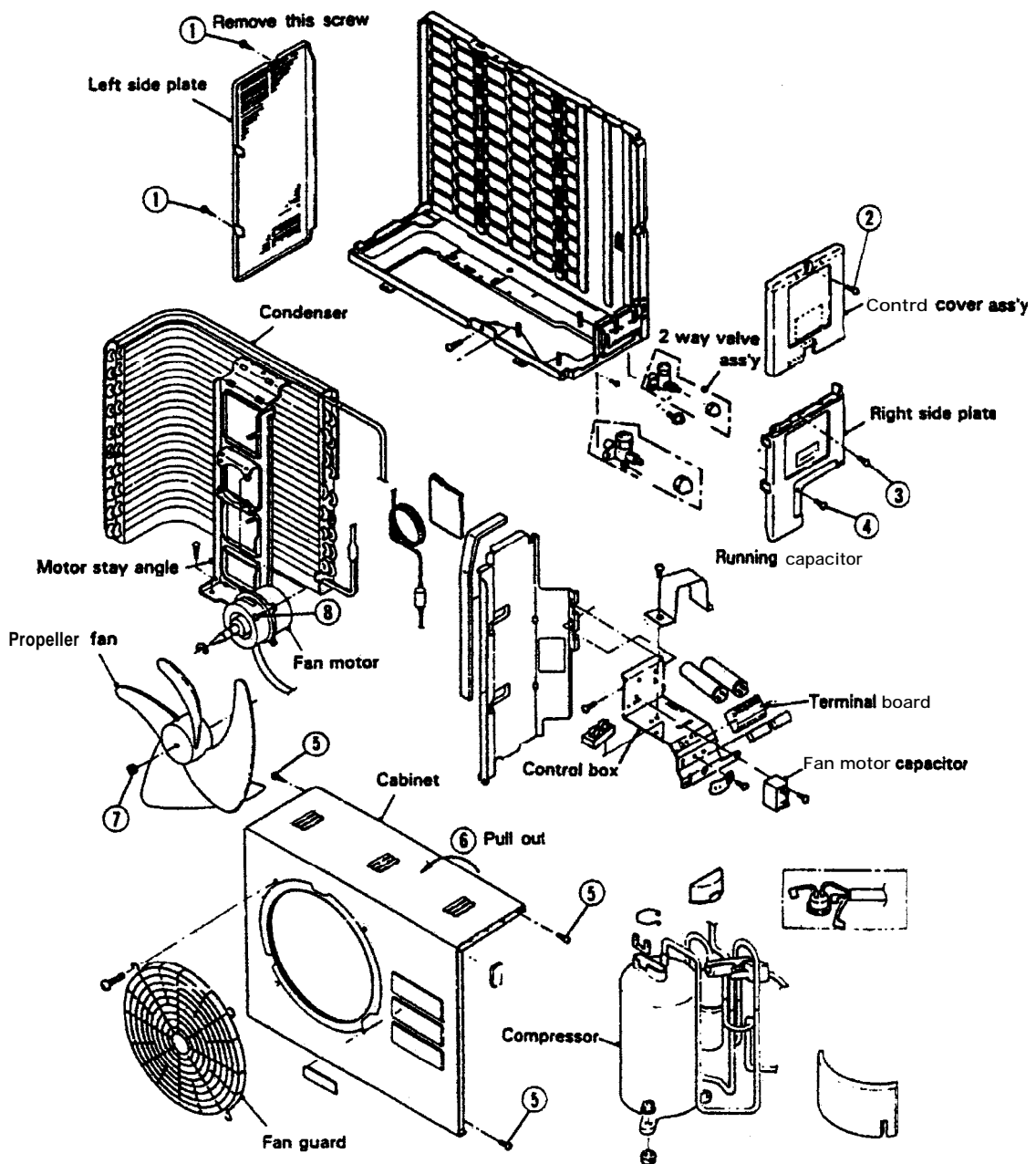


Figure D-2. OUTDOOR UNIT MODEL AU-1802Y

REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
MODEL AY-1802S				
1	LX-NZ0247JBEO	Wall plug, fixing Mounting plate	7	AB
2	XTTSD45P30000	Screw for Wall plug	6	AA
3	CRMC-A213JBEO	Wireless remote controller	1	BE
4	LX-BZA054JBEO	Screw, fixing Remote controller	1	AB
5	PPLT-A012JBPO	Terminal holder	1	AD
6	PPLT-A013JBPO	Capacitor holder	1	AC
7	CPIPCA163JBKO	Pipe ass'y	1	BC
8	CMOTLA342JBEO	Fan motor	1	BP
9	PEVA-A182JBEO	Evaporator	1	BU
10	PSGY-A206JBKO	Display ass'y	1	AL
11	PSGY-A205JBKO	Sub-controller ass'y	1	AQ
12	TINSEA051JBRO	Operation manual	1	AS
13	QTAN-A089JBEO	Terminal board	1	AL
14	DSGY-A319JBKO	Printed wiring board ass'y	1	BQ
15	RTRN-A106JBEO	Transformer	1	AW
16	RC-HZA154JBEO	Fan motor capacitor	1	AX
17	RTHM-A161JBEO	Thermister	1	AL
18	LHLD-A095JBFO	Thermister holder	1	AC
19	PBOX-A071JBFO	Control box	1	AQ
20	NFANCA028JBEO	Cross flow fan	1	BH
21	PPLTNA007JBWO	Mounting plate	1	AT
22	CSRA-A252JBKO	Drain pan ass'y	1	BM
23	MJNTPA022JBFB	Louvre link A	3	AB
24	MJNTPA029JBFO	Louvre link B	1	AB
25	MLOV-A083JBFB	Horizontal adjustment louvre A	3	AF
26	MLOV-A084JBFB	Horizontal adjustment louvre B	12	AF
27	MLOV-A103JBTA	Vertical adjustment louvre A	1	AK
28	MLOV-A087JBTC	Vertical adjustment louvre B	1	AU
29	MSPRPA009JBWO	Louvre spring	2	AB
30	TLABPA148JBRA	Louvre label	1	AG
31	LANGKA029JBPO	Louvre angle A	1	AC
32	LANGKA030JBPO	Louvre angle B	1	AC
33	LHLD-A006JBFY	Louvre holder A	4	AB
34	NBRG-A002JBFW	Louvre holder B	2	AC
35	NSFT-A024JBFO	Louvre shaft	1	AC
36	NSFT-A025JBFO	L-link	2	AC
37	PHOS-A007JBEO	Drain hose	1	AN
38	PPACGA004JBEO	O ring	1	AB
39	CHLD-A045JBKO	Fan bearing ass'y	1	AF
40	CHLD-A046JBKO	Bearing cushion ass'y	1	AG
41	DCOV-A077JBKO	Fan motor cover ass'y	1	AE
42	LANG-A085JBWO	Fan motor holder	1	AD
43	LHLD-A100JBFA	Pipe holder	1	AC
44	PCOV-A108JBEO	Pipe cover	1	AE
45	PGUMMA058JBEO	Rubber cushion to motor	2	AH
46	DCHS-A167JBKO	Frame ass'y	1	BE
47	CWAK-B208JBKO	Front panel ass'y	1	BT
48	DFIL-A021JBKO	Air filter	2	AP
49	HDEC-A468JBEA	Display panel	1	AW
50	GFTA-A353JBTA	Control cover	1	AH
51	HBDG-A024JBEA	SHARP badge	1	AE
52	PGIDMA030JBFA	Filter guide A	1	AC
53	PGIDMA031JBFA	Filter guide B	2	AC
54	PSEL-A348JBEO	Seal for evaporator	1	AD
55	TINS-A219JBRO	Installation manual	1	AM
56	FCOV-A011JBEB	Screw cover	3	AB
57	TLABCA519JBRO	Wiring diagram	1	AE
58	TSPC-B248JBRO	Name plate	1	AF

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
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PWB PARTS

59	RH-IXA065JBEO	Microcomputer (IC1)	1	AU
60	RH-IZA104JBEO	Dual comparator (IC2, IC3)	2	AC
61	RH-IZA012JBEO	Transistor array (IC4)	1	AE
62	RH-SZA004JBEO	Triac	1	AF
63	RH-PZA007JBEO	Photo triac (PT)	1	AG
64	RRLYJA032JBEO	Relay (RY1)	1	AU
65	RRLYJA045JBEO	Relay (RY2, RY3)	2	AW
66	RFIL-A042JBEO	Filter coil (L)	1	AM
67	RCRS-A002JBEO	Oscillator	1	AD
68	RH-VZ0002JBEO	Varistor (NR)	1	AF
69	RC-QZA066JBEO	Capacitor (C2)	1	AK
70	QFS-AA013JBEO	Fuse (Fu)	1	AC

MODEL AU-1802Y

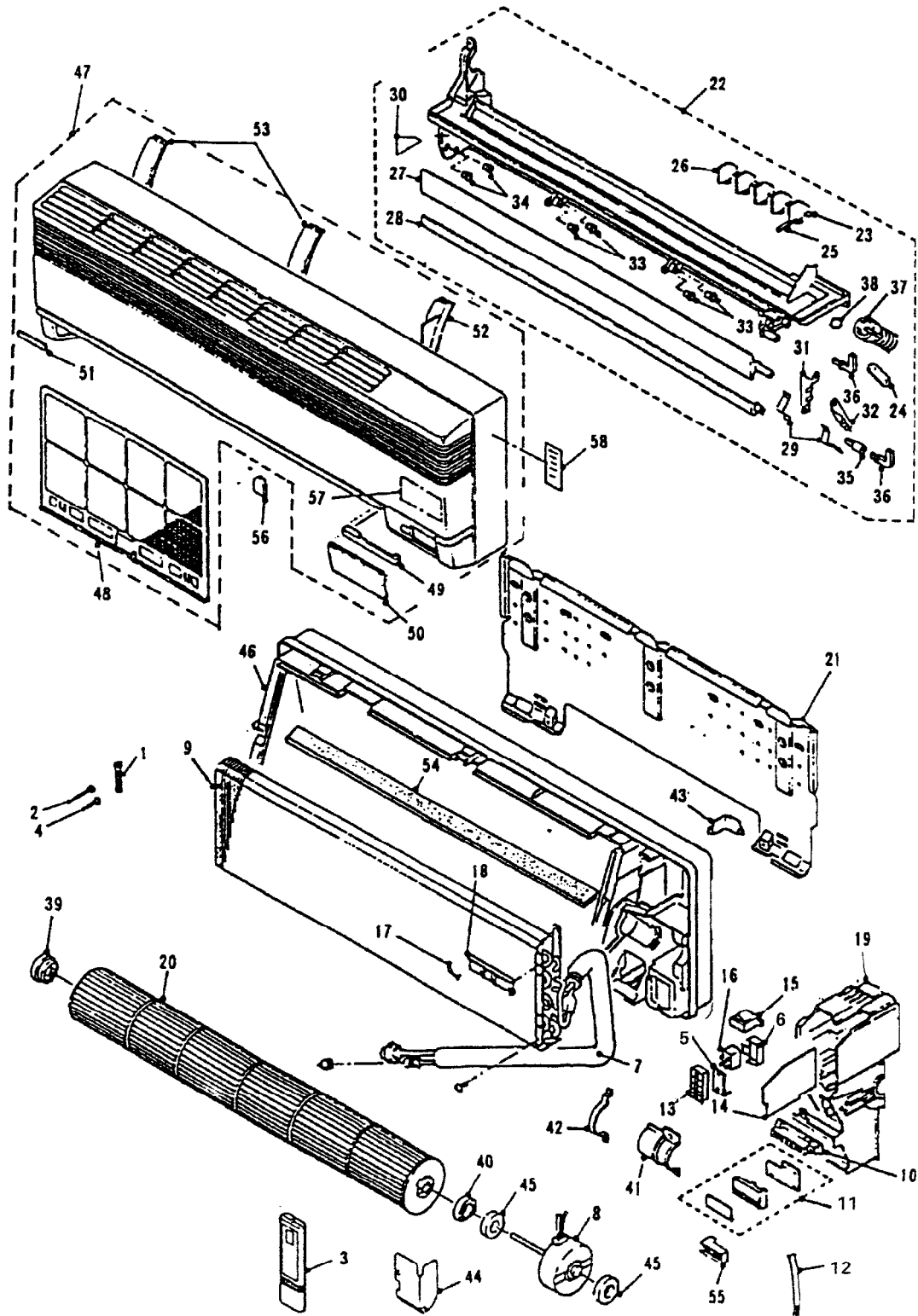
1	PCMPRA044JBEO	Compressor	1	CP
2	PCON-A166JBPO	Condenser	1	CE
3	DVLV-A092JBKO	2 Way valve ass'y	1	AW
4	LX-NZ0133JBEO	Flare nut	1	AE
5	LX-NZ0235JBEO	Valve cap	2	AG
6	PCAP-0035JBEO	Bonnet	1	AB
7	DVLV-A089JBKO	3 Way valve ass'y	1	AY
8	LX-NZ0255JBEO	Flare nut	1	AH
9	LX-NZ0236JBEO	Service cap	1	AE
10	PCAP-0045JBEO	Bonnet	1	AD
11	LX-BZA072JBEO	Valve set bolt	4	AB
12	PCPY-A196JBEO	Capillary tube	1	AM
13	PSRN-0039JBEO	Strainer	1	AH
14	PGUMSA074JBEO	Butyl rubber sheet	1	AE
15	CMOTLA340JBEO	Fan motor	1	BR
16	NFANP0198JBFA	Propeller fan	1	AV
17	LANGKO163JBPO	Motor stay angle	1	AS
18	PSKR-0113JBPO	Bulkhead	1	AQ
19	GLEG-A012JBEO	Compressor cushion rubber	3	AF
20	LX-NZ0233JBEO	Compressor nut	3	AC
21	LBSHCA004JBEO	Terminal bush	1	AD
22	PCOV-A014JBEO	Terminal cover	1	AG
23	MSPR-1070JBEO	OCR spring	1	AC
24	CW-VZA092JBKO	Compressor cord ass'y	1	AH
25	RHOG-A036JBEO	Over load relay	1	AQ
26	GPLTMA009JBTB	Right side plate	1	AQ
27	RC-HZA153JBEO	Running capacitor	2	AY
28	RC-HZA156JBEO	Fan motor capacitor	1	AV
29	QTAN-A087JBEO	Terminal board	1	AS
30	LHLD-0261JBMO	Cord clamp	1	AB
31	CFTA-A127JBKO	Control cover ass'y	1	AT
32	GPLTMA012JBTB	Left side plate	1	AV
33	GCAB-A060JBTB	Cabinet	1	BC
34	GGADFA008JBEB	Fan guard	1	AX
35	PSEL-0452JBEO	Bulkhead seal	1	AB
36	PSPF-A203JBEO	Sound proof cover	1	AV
37	PBOX-A070JBWO	Control box	1	AK
38	LBNDKA037JBPO	Running capacitor band	1	AD
39	PSEL-0617JBEO	Cabinet seal	1	AA
40	TSPC-B249JBRO	Name plate	1	AE
41	TLABCA520JBRO	Wiring diagram	1	AE
42	LX-NZ0128JBEO	Fan set nut	1	AB
43	TLABBA029JBRA	SHARP label	1	AC
44	CCHS-A042JBTA	Chassis	1	BL
45	CCIL-A051JBKO	Reverse valve coil	1	AW
46	PVLVXA011JBEO	Reverse valve	1	BG
47	QTAN-0094JBEO	Terminal board	1	AF

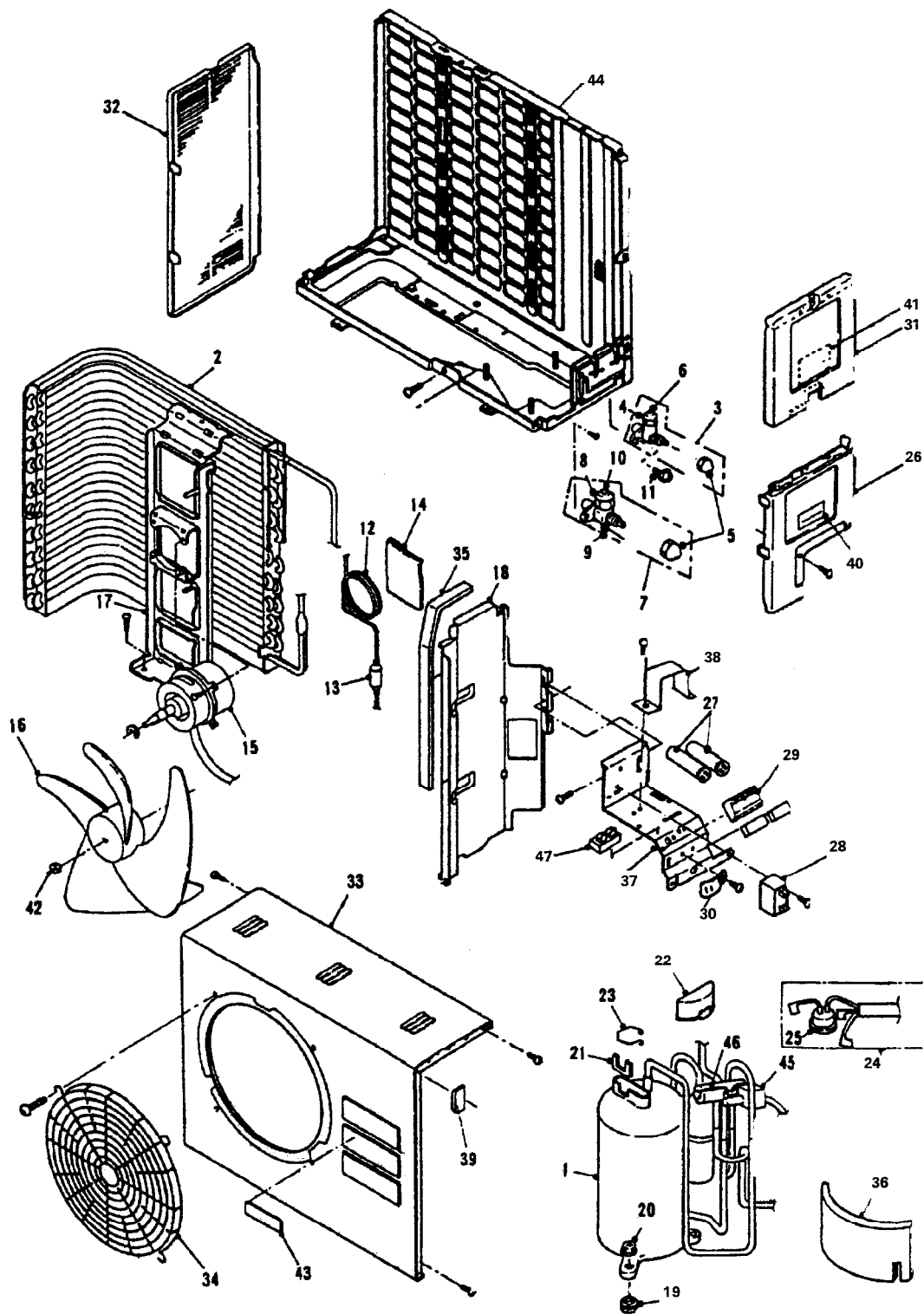
HOW TO ORDER REPLACEMENT PARTS

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER 2. REF. NO. 3. PART NO. 4. DESCRIPTION

INDOOR UNIT MODELS AY-1802S





OUTDOOR UNIT for MODEL AU-1802Y