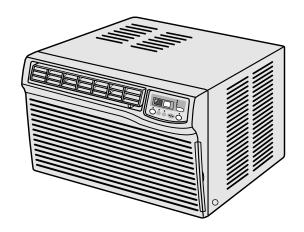
SHARP SERVICE MANUAL

S6830AFR128X/



AIR CONDITIONER

AF-R908X
AF-R908X
AF-R1108X
AF-R1208X

In the interest of user-safety the air conditioner should be restored to its original condition and only parts identical to those specified should be used.

TABLE OF CONTENTS

SPECIFICATIONS

Models		AF-T908X, AF-R908X	AF-R1108X	AF-R1208X
Cooling capacity	BTU/h	8500	10500	12000
Moisture removal	Pints/h	2.1	3.0	3.8

ELECTRICAL DATA

Phase		Single		
Rated frequency	Hz	60		
Rated voltage	Volts	115		
Rated current	Amps	8.0	10.2	11.9
Rated input	Watts	850	1100	1300
Power factor	%	92	94	95
EER	BTU/Wh	10.0	9.5	9.2

COMPRESSOR

Туре	(Hermetically sealed rotary type)		
Model, Remarks	QB125CL22A, 700W	QK164CN22A, 890W	QK189CN22A, 1050W

REFRIGERANT SYSTEM

Evaporator	Louver fin, Grooved tube, 7mm, Hair pin		
Condenser	Louver fin, Bare tube, 7mm Hair pin	Louver fin, Grooved tube, 7mm Hair p	pin
Control O.D. x I.D. x Length x Q'ty(mm)	Capillary tube 2.7 x 1.4 x 650 x 1	Capillary tube 2.7 x 1.6 x 800 x 1	Capillary tube 2.7 x 1.2 x 650 x 2
Refrigerant volume R-22(OZ)	15.2(Factory charged)	14.6(Factory charged)	18.5(Factory charged)

NET DIMENSIONS

Width Height Depth	inches(mm)	22-1/16(560) x 14-3/4(375) x 24-5/16(617)		
Net Weight	lbs	84	84	88

GROSS DIMENSIONS

Width Height Depth	inches(mm)	22-25/32(655) x 18-29/32(480) x 27-7/8(708)		
Gross Weight	lbs	95	95	99

FAN SYSTEM

Indoor side(Evaporator)		Centrifugal fan		Centrifugal fan		
Outdoor side(Condenser)		Propeller fan				
Air flow rate(indoor side)	CFM	(High/Med/Low) 275 / 223 / 198	(High/Med/Low) 293 / 265 / 237	(High/Med/Low) 286 / 258 / 230		

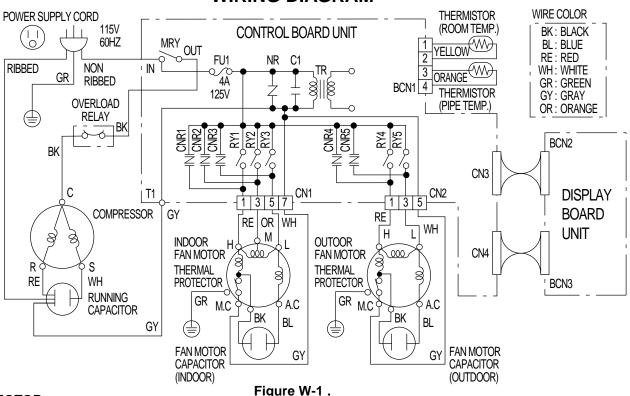
OTHERS

Safety devices		Compressor: Overload relay
1		Fan motor: Internal thermal fuse
Air filter		Polypropylene net
Power cord length	ft	4.3
Power plug type	·	125V, 15A

ELECTRICAL PARTS

Models	AF-T908X,AF-R908X	AF-R1108X	AF-R1208X
Running capacitor	370V-35μF	370V-40μF	370V-60μF
Fan capacitor(indoor/outdoor)	250V-3μF/250V-6μF	250V-6μF/250V-6μF	250V-6μF/250V-6μF
Thermistor	15kΩ at 78°F		
Fan motor	RMLA046/RMLA045	RMLA044/RMLA043	RMLA044/RMLA043
Overload relay	MRA12061-9201	MRA98965-9200	MRA12053-9200

WIRING DIAGRAM



FAN MOTOR

(1) Using a volt-ohm-meter set on resistance range, check the resistance between the motor windings.

Indoor fan motor

MODEL	AF-R908X, AF-T908X	AF-T1108X, AF-T1208X
MAIN COIL	approx. 58.95 Ω	approx. 102.16 Ω
SUB COIL	approx. 87.89 Ω	approx. 77.26 Ω
CON1	approx. 34.75 Ω	approx. 18.16 Ω
CON2	approx. 11.89 Ω	approx. 12.30 Ω

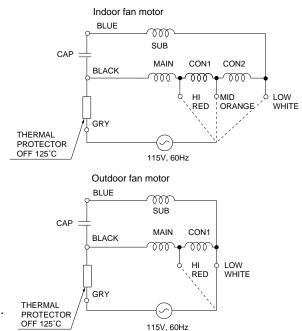
Outdoor fan motor

MODEL	AF-R908X, AF-T908X	AF-T1108X, AF-T1208X
MAIN COIL	approx. 51.40 Ω	approx. 38.06 Ω
SUB COIL	approx. 29.30 Ω	approx. 37.32 Ω
CON1	approx. 21.10 Ω	approx. 25.22 Ω

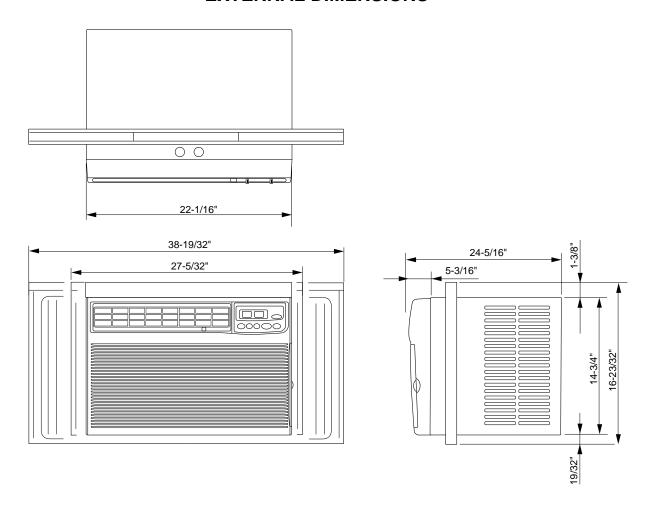
(2) Connect RED and GRAY wires to proper source and make run test by rotating the motor shaft by hand.

MEGGER TESTING

Check the resistance between connector terminal and motor shaft. Reading must be more than $10M\Omega$ at DC 500V.



EXTERNAL DIMENSIONS

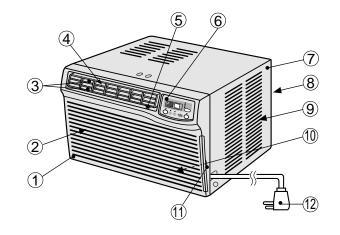


OPERATION INSTRUCTIONS

PARTS NAMES

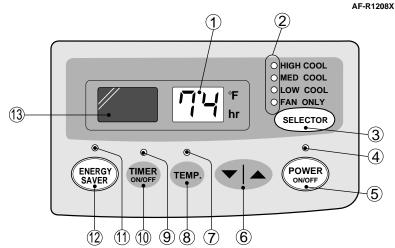
UNIT

- 1 Front panel
- 2 Air inlet (Indoor side)
- 3 Louvers
- 4 Air outlet (Indoor side)
- 5 Exhaust lever
- 6 Control panel
- 7 Cabinet
- 8 Air outlet (Outdoor side)
- 9 Air inlet (Outdoor side)
- O Filter (Pull the filter handle to the right to remove.)
- q Filter handle
- w Power cord



CONTROL PANEL

- 1 Display
- 2 SELECTOR indicator
- 3 SELECTOR pad
- 4 POWER indicator
- 5 POWER ON/OFF pad
- 6 TEMPERATURE and TIMER setting pad
 - ****Temp. lower or time reverse
 - ****Temp. raise or time advance
- 7 TEMPERATURE indicator
- 8 TEMPERATURE pad
- 9 TIMER indicator
- O TIMER ON/OFF pad
- q ENERGY SAVER indicator
- w ENERGY SAVER pad
- e Receiver window for remote control signal (Models AF-R908X, AF-R1108X and AF-R1208X only)



COOLING OPERATION

PROCEDURE	PAD	DISPLAY / INDICATOR
 Touch POWER ON/OFF pad. The unit is preset at 74 °F and HIGH COOL. This will show in display when first turned on. Touch POWER ON/OFF pad again. The unit will stop operating. 	POWER ON/OFF	POWER indicator, SELECTOR indicator (HIGH COOL) and TEMPERATURE indicator will light. POWER indicator, SELECTOR indicator and TEMPERATURE indicator will go off.

TO CHANGE TEMPERATURE SETTING

PROCEDURE	PAD	DISPLAY / INDICATOR
During cooling operation 1. Touch TEMPERATURE pad.	TEMP.	°F hr
 2. Touch TEMPERATURE and TIMER setting pad to adjust temperature setting. • It can be set within the range of 64°F to 86°F. 	•••Lower temp. setting. •••Raise temp. setting.	Display will shape as you touch the

The latest temperature setting will be memorized and will appear on the display the next time it's turned on.

NOTE: In cases of power outages or when unit is disconnected; when the power is restored or unit is plugged in, the unit and display will return to the preset conditions of 74 °F and HIGH COOL.

However the unit will not automatically turn back on.

TO CHANGE FAN SPEED

PROCEDURE	PAD	DISPLAY / INDICATOR
During operation Touch SELECTOR pad and select the desired fan speed.	SELECTOR	SELECTOR indicator will light in order as you touch. HIGH COOL MED COOL LOW COOL FAN ONLY

NOTES ON FAN SPEED

HIGH COOL

Fan and cooling at maximum performance.
Unit is preset at factory to HIGH COOL.

MED COOL Fan operates at medium speed; cooling power at medium.

LOW COOL Cooling for sleeping comfort with low fan speed.

FAN ONLY OPERATION

This setting can be used to circulate air whenever cooling is not desired.

The fan will operate at medium speed.

PROCEDURE	PAD	DISPLAY / INDICATOR
During operation Touch SELECTOR pad and select FAN ONLY.	SELECTOR	 SELECTOR indicator FAN ONLY will light. After 10 seconds, the compressor will stop and the unit will operate in FAN ONLY mode.

The fan speed setting or FAN ONLY setting of the latest speed will be memorized and will light the next time unit is turned on.

ENERGY SAVER

During normal operation, the thermostat automatically controls cooling and the fan runs continuously whenever the air conditioner is in operation. When the ENERGY SAVER is set, the thermostat automatically controls cooling and the fan automatically stops when the compressor is not operating. (Fan will stop in 30 seconds after the compressor stops.)

PROCEDURE	PAD	DISPLAY / INDICATOR
During cooling operation 1. Touch ENERGY SAVER pad.	ENERGY SAVER	ENERGY SAVER indicator will light.
To cancel, touch ENERGY SAVER pad again.	ENERGY SAVER	ENERGY SAVER indicator will go off.

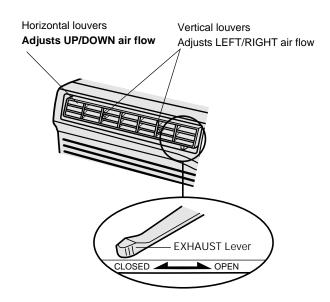
NOTE: ENERGY SAVER cannot be set during FAN ONLY mode operation.

CHANGING AIR FLOW DIRECTION

Adjust the louvers to change the direction of air flow for uniform and efficient cooling of the room.

EXHAUST

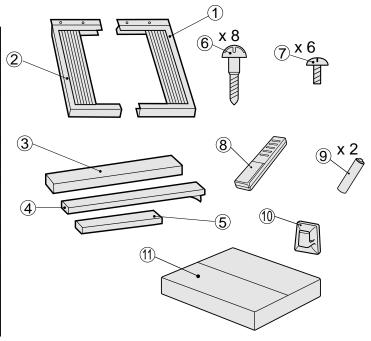
If air in your room is stale, set the EXHAUST lever to the OPEN position. This will exhaust stale air to the outside. The EXHAUST lever should normally be kept in the CLOSED position during cooling for maximum efficiency.



INSTALLATION INSTRUCTIONS

ITEMS PACKED WITH THIS UNIT

No.	Accessories		Q'ty			
1	Right closure a	ssembly	1			
2	Left closure as:	sembly	1			
3	Window sash fo	oam seal	1			
4	Window sash fo	oam seal				
	(adhesive type)					
5	Bottom gasket					
6	Screws L=1", (25.4mm)					
7	Screws L=13/3	2", (10mm)	6			
8	only for models	Remote control	1			
9	AF-R908X AF-R1108X	Dallery				
0	AF-R1208X Remote control hook					
q	Front panel assembly					



SUGGESTED TOOLS

- 1. Screw driver (medium size Phillips)
- 2. Tape measure or ruler
- 3. Knife or scissors

INSTALLATION

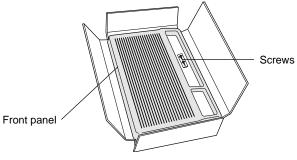
NOTE: These models can also be installed through the wall with the optional through the wall mounting kit, model AZ-80WK. To order this kit either contact your dealer or call 1-800-BE-SHARP. The wall opening dimensions for through the wall installation are: 25" (635mm) (W) x 17 1/4 " (438mm) to 17 3/4" (451mm) (H) x 4" (102mm) minimum (D). Complete instructions are included with the wall mounting kit.

WARNING: Make sure the unit is turned off and unplugged before working.

- 1-1. Cut the window sash foam seal (adhesive type) to the proper length and attach it to the underside of the window sash.
- 1-2. Attach the bottom gasket to the outer side of the window sill.

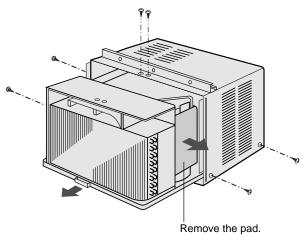


2. Open the box of the front panel assembly and take out the front panel and 2 screws.

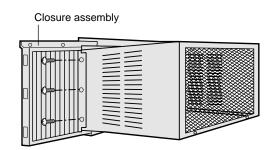


- 3-1. Unscrew the 6 stopper screws of the cabinet. Keep the 4 screws from the top and front, as they will be used later.
- 3-2. Slide the chassis out from the cabinet by pulling on the hand hold located at the bottom center of the chassis.
- 3-3. Remove the pad in side of the compressor.

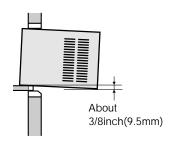
CAUTION: Do not remove any material (ex. styrofoam, etc.) from inside the unit.

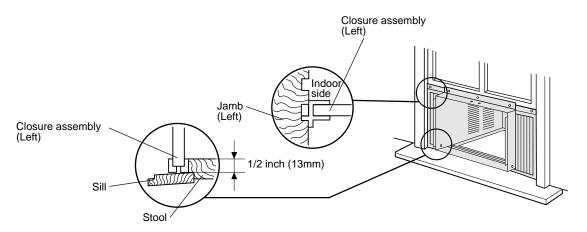


 Insert the right closure assembly and the left closure assembly into the top angle and the bottom channels.
 Secure the right and left closure to the cabinet with 6 of the provided screws. (L= 13/32", 10 mm)

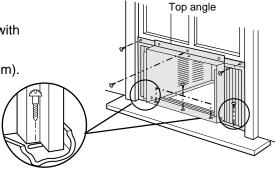


- 5. Open the window sash and place the cabinet on the sill. The cabinet should be inclined backward by approx. 3/8 inch (9.5 mm).
 - Close the window sash securely behind the top angle.
- 6. Insert the closure assemblies on both sides into the rails of the jamb.

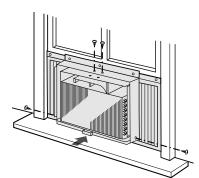




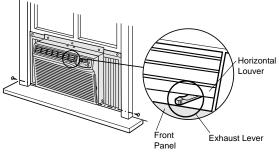
- 7-1. Secure the cabinet to the window stool with 3 screws (L=1", 25.4 mm), working from the inside of the cabinet.
- 7-2. Secure the top angle and the closure assemblies to the window sash with 3 screws (L=1", 25.4 mm).
- 7-3. Secure the closure assemblies to the sill with 2 screws (L=1", 25.4 mm).



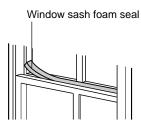
- 8-1. Slide the chassis back into the cabinet.
- 8-2. Replace the 4 screws removed in step 3 to the top and side of the cabinet.



- 9-1. Replace the front panel. Slip the exhaust lever through the opening between horizontal louver and front panel, and then hook the cabinet top.
 - **CAUTION:** Take care not to damage the exhaust lever with the front panel.
- 9-2. Screw the front cabinet on at the bottom corners with 2 screws removed in step 2.



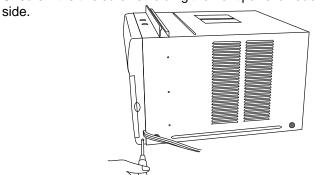
10.Cut the window sash foam seal to the proper length and seal the opening be- tween the top of the inside window sash and the outside window sash.



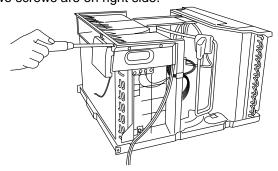
DISASSEMBLING PROCEDURE

CAUTION: DISCONNECT THE ROOM AIR CONDITIONER FROM THE POWER SUPPLY BEFORE ANY SERVICE

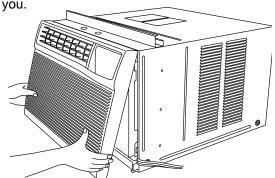
1. Unscrew the two screws holding the front panel on each



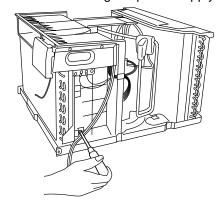
Unscrew the four screws holding the control unit.
 Two screws are on front side.
 Two screws are on right side.



2. Remove the front panel by pulling it at the lower corner toward you about 1 inch and next lift up and pull it toward you.

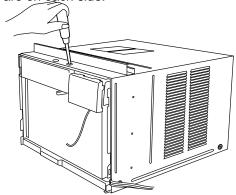


6. Unscrew the one screw holding the power supply cord.

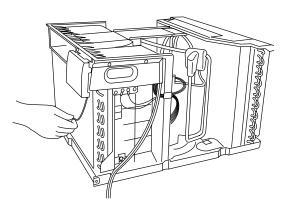


3. Unscrew the four screws holding the cabinet. Two screws are on top side.

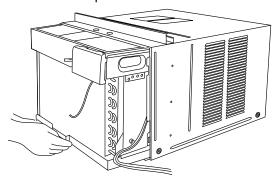
Two screws are on each side.



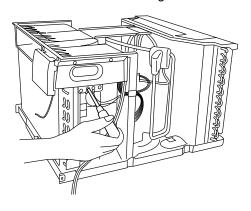
7. Pull out thermistor holder.



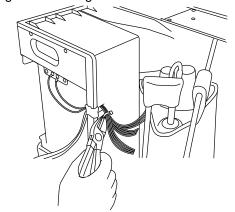
4. Slide the chassis away from the cabinet by pulling on each corner of the base pan.



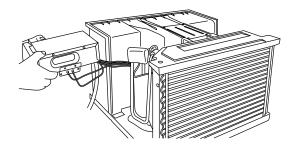
8. Unscrew the one screw holding earth wire code.



9. Cut the tfixing band holding the wires.



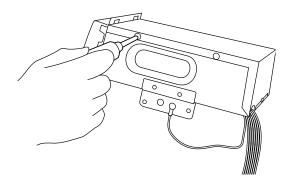
10. Remove the control unit.



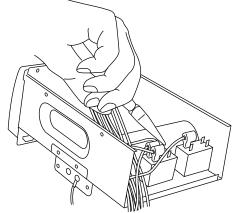
11. Unscrew the four screws holding control box cover.

Two are on the right side, one is on the left side, one is on the back side.

CAUTION: DISCHARGE THE FAN MOTOR CAPACITOR AND RUNNING CAPACITOR BEFORE TOUCHING THOSE CAPACITORS OR OTHER COMPONENTS OR WIRING.

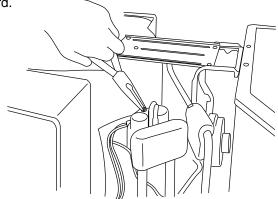


12. Detach each terminals of fan motors by using long-nose pliers.

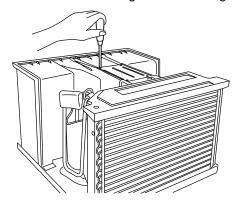


13. Remove the putty and unfasten the one nut at the top of compressor holding the terminal cover.

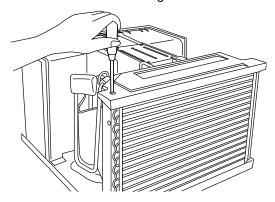
Then remove the wiring connector of the compressor cord.



14. Unscrew the five screws holding the connecting stay.



15. Unscrew the four screws holding the shroud cover.

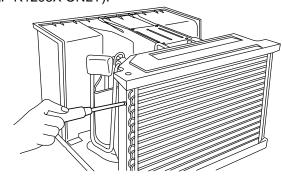


16.Unscrew the six screws holding the condenser and condenser shroud.

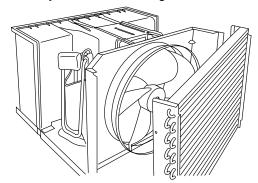
Two screws are on the back side.

Four screws are on the each side.

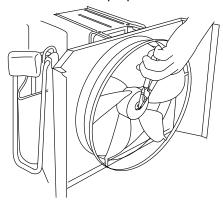
Unscrew the two screws holding the condenser cover (AF-R1208X ONLY).



17.Remove the condenser by liftting up about 1 inch and pull it toward you and move to right.

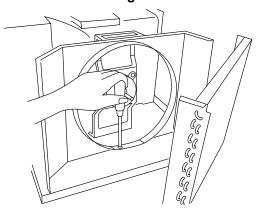


18. Unfasten the one nut holding propeller fan by rotating it clockwise. And remove the propeller fan.



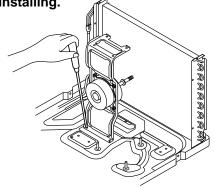
19.Unscrew the three screws holding condenser shroud.

Note: Seal three female screws with siliconsealer before re-installing.



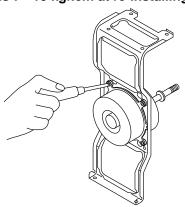
20.Unscrew the two screws holding fan motor angle assembly, and cut wire fixing band holding fan motor lead wire.

Note: Seal two female screws with siliconsealer before re-installing.

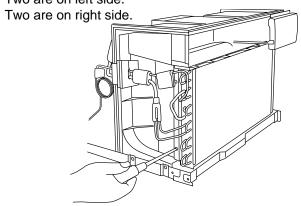


21.Unscrew the four screws holding the fan motor.

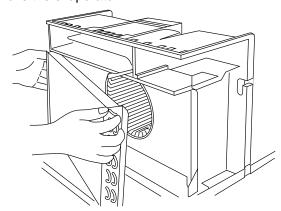
Note: Torque is 7 - 10 kgf.cm at re-installing.



22.Unscrew the four screws holding the evaporator. Two are on left side.



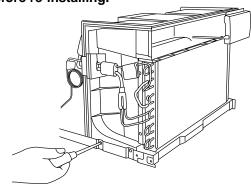
23. Remove the evaporator.



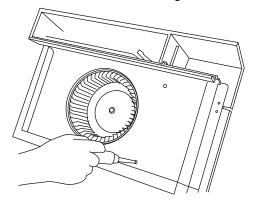
24.Unscrew the four screws holding the bulkhead. Three screws are on the each side.

One screw is on the bottom side.

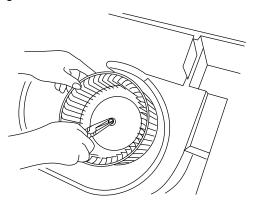
Note: Seal one female screws with siliconsealer before re-installing.



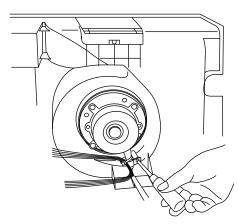
25. Unscrew the two screws holding the orifice



26.Unfasten the one nut holding the centrifugal fan by rotating it counterclockwise.

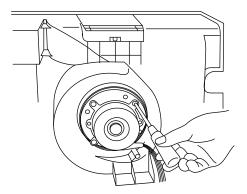


27. Unscrew the one screw holding the fan motor lead wire.

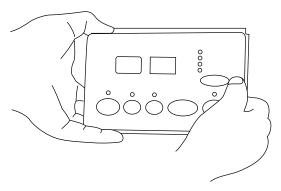


28.Remove the fan motor by unscrewing the four screws that have large head holding it with bulkhead.

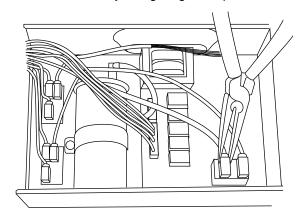
Note: Torque is 7 - 10 kgf.cm at re-installing.



29.Unscrew the three screws holding the printed wiring board.

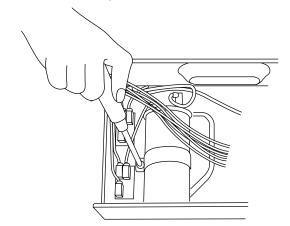


30. Detach terminals by using long-nose pliers.



31. Unscrew the five screws.

Two screws are holding the fan motor capacitors.
One screw is holding the capacitor clamp.
Two screws are holding the transformer.
Unfasten the three spacers of the control box unit.



HOW TO REPAIR REFRIGERATION

Before sealed system work can be preformed a refrigerant recovery EPA and LOCALLY approved certification is required, additionally, EPA and LOCALLY approved refrigerant recovery equipment is required.

SEALED SYSTEM REPAIR

Sealed system repairs should be properly diagnosed before entering into a repair of the system.

It is important to follow proper procedures when doing a system repair for safety reasons and that the repair will result in a restoration of the system to proper factory standards.

SAFETY REMINDERS

- 1) Do not heat any system component with an open flame for any reason.
- 2) Do not solder until you are sure that all refrigerant has been removed from the system.
- 3) Do not heat the charging cylinder with an open flame. Use warm water only and do not exceed 125°F (not too hot to keep your hand in.)
- 4) Do not over fill any charging cylinders, as they could explode when over filled.
- 5) Use proper wrenches.
- 6) Use safety goggles when working with refrigerants.
- 7) Keep a fire extinguisher within easy reach.
- 8) Watch flame direction when soldering so as not to burn clothing, wiring or other components.
- 9) Solder in a well ventilated area. If a high concentration of freon is present, an open flame will create phospene gas which can be harmful.

PROPER SOLDERING

Joint clearances should be maintained so that the brazing alloy will flow between the closely mated surfaces rather than forming large fillets.

This films make the strongest joints, capillary attraction also work best with close tolerance.

The best clearance is between 0.001" to 0.003", the amount of lap will be approximately 3/8" depending on the swaging tool used. (Figure 1.)

CLEANING TUBING

To make a sound, leak tight joint, the brazing alloy when raised to brazing temperature, must wet and flow freely over the entire surface of the tubing in the joint area.

To assure this, the tubing surfaces must be free of all dirt, grease, oil and oxides otherwise the alloy will not wet and flow properly over any surface with these elements present. Cleaning can be done with an abrasive cloth or steel wool. Never blow into the tubing because this will introduce a lot of moisture into the system. Open tubing joints should be covered if exposed for long periods of time.

PROPER FLUXING

Flux is necessary when using silver solder; it is not required when using silfos on copper to copper joints.

To do a good job the flux should cover the tube surface completely. Be careful not to introduce any flux inside the tubing.

Fluxing should be done after the tubing is mated together and just before brazing is done. Do not allow it to dry out.

When brazing, the flux should become entirely liquid and clear, like water. The temperature will be at 1100°F and only a little more heat will allow the alloy to flow freely into the joint.

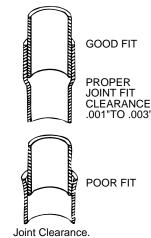
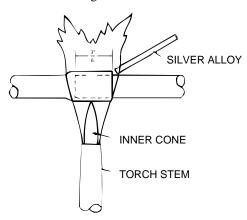


Figure 1



Cleaning Tubing.

Figure 2



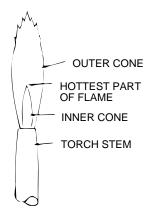
Directing Torch Flame to Copper Tubing.

HEATING THE TUBING

Direct the torch flame so that the larger tube receives most of the heat. Silver solder flows at 1200°F and silfos flows at 1300°F.

Heat all around the tubing.

The flame is composed of two cones, a smaller inner cone (pale blue) in color and a much larger outer cone. The hottest part of the flame is at the tip of the inner cone. The flame should be directed at the joint with the tip of the cone just touching the surface of the tubing. Figure 3 and 4.



Composition of Torch Flame.

Figure 4

DEHYDRATING SEALED SYSTEM

Many servicers feel that since air conditioners run with evaporator temperatures above 33°F, moisture will not present a problem. Nothing is further from the truth. Oxygen in moisture plus the heat produced during compression will react with the refrigerant oil to produce harmful acids in the system which will break down motor winding insulation, create sludge and pit component parts, reducing efficiency of the air conditioner and shortening the life of compressors.

There it becomes mandatory that good dehydrating practices be adhered to at all times.

Proper hook up procedures as shown in Figure 5 must be used in order to pull and good vacuum from the system.

The use of a good vacuum pump is very important so that the boiling point of any water in the system will be lowered to a point where it will vaporize and be expelled from the system in the form of vapor.

Type of evacuation methods

- Piston Type Compressor No good. System parts must be above 110 °F.
- **2.** Rotary Vacuum Pump Disavantages. Low CFMC. 4 oil gets dirty.
- Single State Vacuum Pump will not clean oil. Oil must be changed often.
- 4. Two Stage Vacuum Pump will reach 50 microns. First stage is below atmospheric pressure. Moisture is removed into second stage which works up to atmospheric pressure thus keeping oil clean. Manometer cannot be read to 1/2 mm. Micron gauge reads from 25,400 microns to 0.

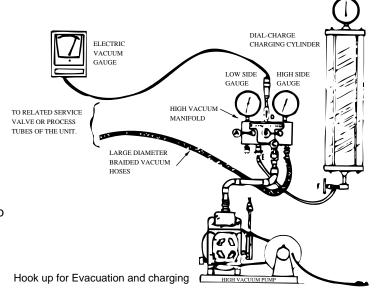


Figure 5

It becomes clear that good equipment and maintained properly must be used in order to remove air and moisture from the system.

When a vacuum of 1,000 to 500 microns is reached, block off the vacuum pump from the system.

This is done by closing the value between the pump and system. If the micron gauge does not increase above 1,000, the system is free of moisture and no leak exists. If the micron gauge increases to higher levels moisture or a leak exists.

LEAKS

Several methods are used to detect leaks in systems.

Electronic Leak Detectors are very sensitive and are able to detect leaks down to 1/2 ounce per year.

A good electronic leak detector is generally far better in locating very small leaks.

Halide Torch be sure the room is free from refrigerant vapors. Watch the flame for the slightest change in color.

AF-T908X AF-R908X AF-R1108X AF-R1208X

A very faint green indicates a small leak. The flame will be unmistakably changed to green or purple when large leaks are encountered. To simplify leak detection pressurize the system to approximately 75 lbs.

Some leaks can be located by a visual inspection of the system components and solder joints and if oil is found at any given location it generally is a sign that a leak exists at that point due to the fact that flame does carry oil with it travels through the system.

Soap Bubbles

Liquid detergents can sometimes assist in finding small leaks by brushing detergent on the suspect area and watching for bubbles. Before applying detergent be sure that the system is pressurized.

Tap line devices are permissible for diagnosis only they are not suitable when evacuating the system. After the diagnosis has been made they must be removed so that the system will be restored to a hermeticly sealed condition.

ELECTRICAL COMPONENT TEST

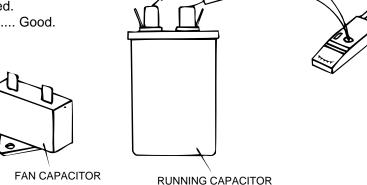
RUNNING CAPACITOR AND FAN CAPACITOR CAUTION: DISCHARGE THE RUNNING CAPACITOR AND FAN CAPACITOR BEFORE TOUCHING CAPACITOR OR WIRING.

- (1) Discharge capacitor by shorting terminals.
- (2) Take the wires off the capacitor terminals.
- (3) Set the selector switch of a volt-ohm-meter(or a tester) on the resistance range.

(4) Connect the probes to the capacitor terminals and watch the indicator swing. The indicator does not swing at all Open.

The indicator swings but does not return Shorted.

The indicator swings, then returns a moment later Good.



INSULATION TEST

Check the resistance between the terminals and case. Reading must be more than 10M Ω at DC 500V.

OVERLOAD RELAY

Check continuity between terminals with volt-ohm-meter.

INSULATION TEST

Check resistance between terminals and the relay case.

Reading must be more than $10M\Omega$ at DC 500V.

COMPRESSOR

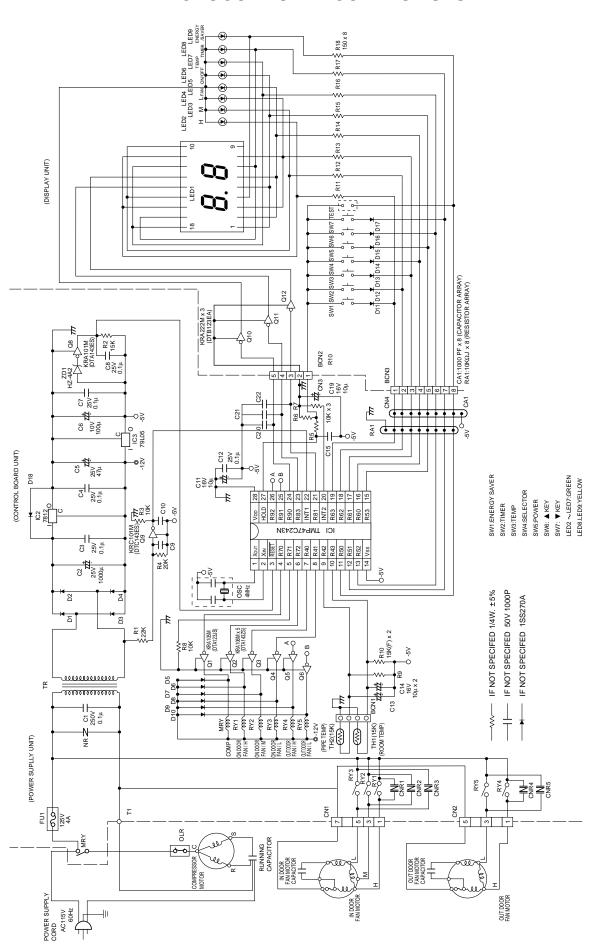
- (1) Take the wires off compressor terminals.
- (2) Set selector switch of volt-ohm-meter on the resistance range.
- (3) Put the probes on the terminals of the compressor and check continuity between each terminal.

INSULATION TEST

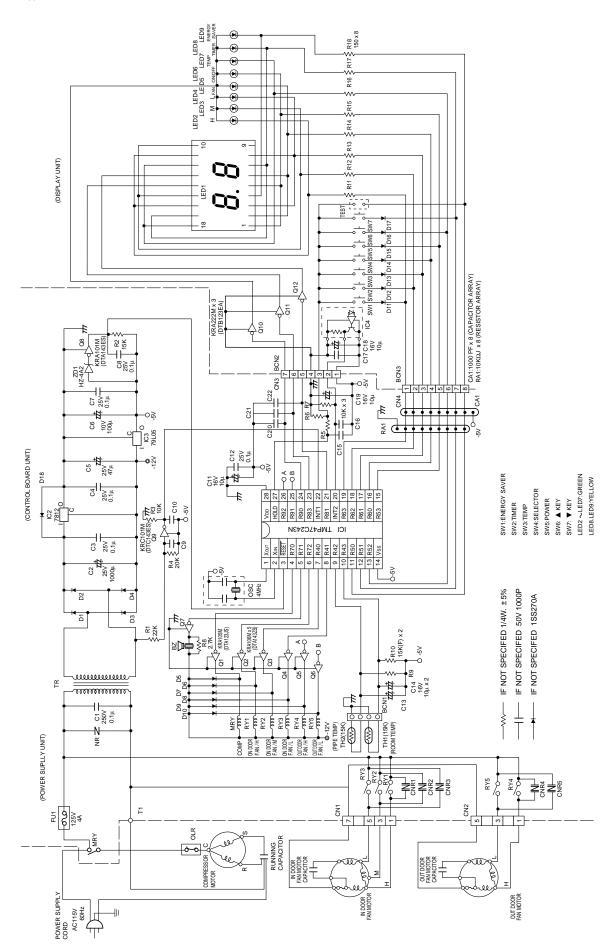
Check the resistance between the terminals and the copper tube.

Reading must be more than $10M\Omega$ at DC 500V.

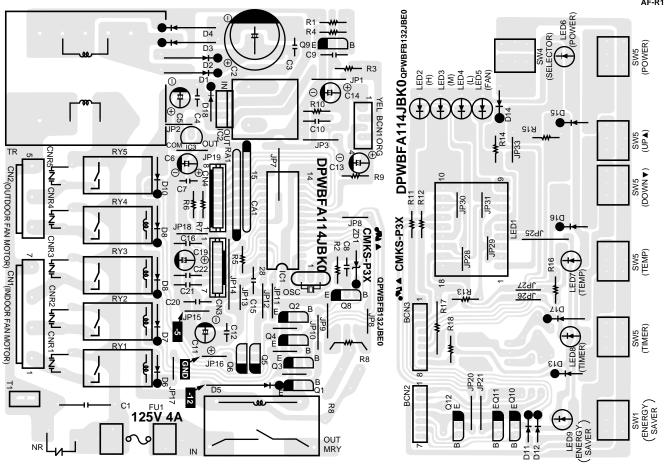
MICROCOMPUTER CONTROL SYSTEM



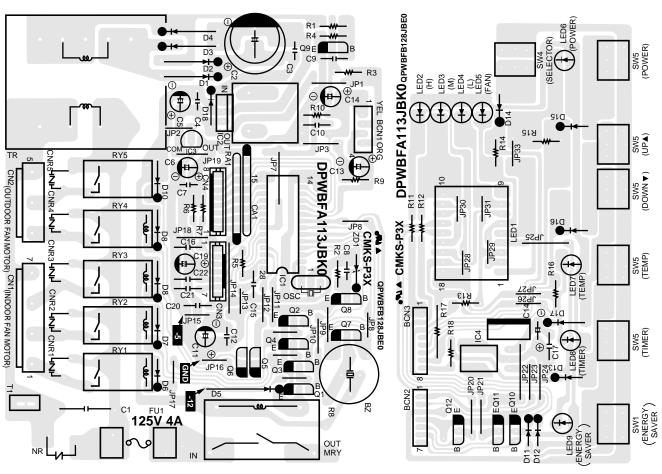
Electronic Control Circuit Diagram for AF-T908X



Electronic Control Circuit Diagram for AF-R908X, AF-R1108X and AF-R1208X



Printed Wiring Board for AF-T908X



Printed Wiring Board for AF-R908X and AF-R1108X and AF-R1208X

MICROCOMPUTER CONTROL SYSTEM

1. Temperature control characteristic

1-1 COOL operation

In the "COOL" mode, the thermostat circuit is controlled by two thermostat lines (C1, C2).

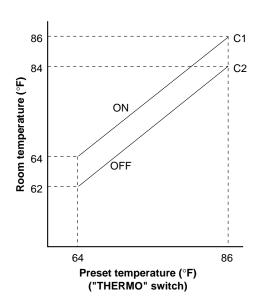
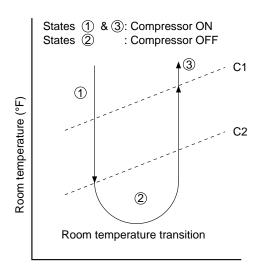


Figure Y-1

2. Operation mode

2-1 COOL operation

The compressor turns on or off, at thermostat lines C1 and C2. The fan motor is also controlled with the



Preset temperature (°F)

compressor.

Figure Y-2

2-2 FAN ONLY operation

The fan motor always turns on.

3. Fan speed

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

Selector	Indoor fan motor	Outdoor fan motor
HIGH COOL	Н	Η
MED COOL	М	L
LOW COOL	L	L
FAN ONLY	М	L

Table Y-1

4. 12-hours timer

4-1 OFF-TIMER operation

Set the delay timer during operation.

The unit will turn off automatically according to your setting. Timer duration can be set by 0.5 hours to maximum 12 hours. Up to 9.5 hours, you can set by 0.5 hours increments and from 10 to 12 hours, by 1 hour increment.

If you touch button "POWER ON/OFF" during OFF-TIMER operation, then the unit turns off and OFF-TIMER operation is canceled.

4-2 ON-TIMER operation

Set the delay timer when unit is not operating.

The unit will turn on automatically according to your setting. Timer duration can be set by 0.5 hours to maximum 12 hours. Up to 9.5 hours, you can set by 0.5 hours increments and from 10 to 12 hours, by 1 hour increment.

If you touch button "POWER ON/OFF" during ON-TIMER operation, then the unit turns on and ON-TIMER operation is canceled.

ON-TIME and OFF-TIME display will count down the remaining time.

from 0.5 to 9.5 0.5 hours from 10 to 12 1 hour

5. Energy saver

During normal operation, the thermostat automatically controls cooling and the fan runs continuously whenever the air conditiner is in operation.

When the ENERGY SAVER is set, the thermostat automatically controls cooling and the fan automatically stop when compressor is not operating. (Fan will stop in 30 seconds after the compressor stops.)

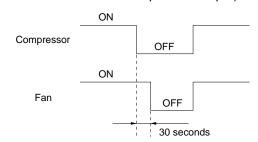


Figure Y-3

6. Safety start

When you turn the air conditioner OFF and restart again soon, wait at least 3 minutes before the cooling operation starts.

7. Test mode

Keep pushing both buttons "POWER ON/OFF" and " " and supply the power, the system will go to the test mode. In this mode, the output operation is switched by pushing buttons. Normal outputs are shown in Table Y-2.

Table Y-2

				Indicator								
Step	Button	Display	High	Med	Low	Fan	Power	Temp.	Timor	Energy	Indoor	Outdoor
			COOL	COOL	COOL	Only	rowei	remp.	TITIE	Energy	Fan motor	Fan motor
0		8.8	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF
1	Selector	0.1	※ 1	※ 2	ON	ON	ON	ON	ON	ON	" L " ON	" L " ON
2	Power ON/OFF	0.2	※ 1	※ 2	ON	ON	ON	ON	ON	ON	" M " ON	" L " ON
3	A	0.3	※1	※ 2	ON	ON	ON	ON	ON	ON	" H " ON	" H " ON
4	▼	0.4	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF
5	Temp.	0.5	※ 1	※ 2	ON	ON	ON	ON	ON	ON	" L " ON	" L " ON
6	Timer	0.6	※1	※ 2	ON	ON	ON	ON	ON	ON	" M " ON	" L " ON
7	Energy saver	0.7	※ 1	※ 2	ON	ON	ON	ON	ON	ON	" H " ON	" H " ON

Characteristic of thermistor

Table Y-3

T(°C)	T(°F)	R(kΩ)	× V(volt)
0	32.0	49.33	1.17
1	33.8	46.86	1.21
2	35.6	44.53	1.26
3	37.4	42.33	1.31
4	39.2	40.25	1.36
5	41.0	38.29	1.41
6	42.8	36.44	1.46
7	44.6	34.68	1.51
8	46.4	33.02	1.56
9	48.2	31.45	1.61
10	50.0	29.96	1.67
11	51.8	28.55	1.72
12	53.6	27.22	1.78
13	55.4	25.96	1.83
14	57.2	24.76	1.89
15	59.0	23.62	1.94
16	60.8	22.55	2.00
17	62.8	21.52	2.05
18	64.4	20.55	2.11
19	66.2	19.63	2.17
20	68.0	18.76	2.22

T(°C)	T(°F)	R(kΩ)	×V(volt)
21	69.8	17.93	2.28
22	71.6	17.14	2.33
23	73.4	16.39	2.39
24	75.2	15.68	2.44
25	77.0	15.00	2.50
26	78.8	14.36	2.55
27	80.6	13.74	2.61
28	82.4	13.16	2.66
29	84.2	12.60	2.71
30	86.0	12.07	2.77
31	87.8	11.57	2.82
32	89.6	11.09	2.87
33	91.4	10.63	2.93
34	93.2	10.19	2.98
35	95.0	9.78	3.03
36	96.8	9.38	3.08
37	98.6	9.00	3.13
38	100.4	8.64	3.17
39	102.2	8.30	3.22
40	104.0	7.97	3.27

X V • • • • • • • Input the voltage of microcomputer (No. 10-Port).

 $[\]times$ 2 : 0 (°F) < (Thermo. temp.) < 250 (°F) •••••• Indicator LED is ON If indicator LED is OFF, then replace the thermistor in PWB ass'y.



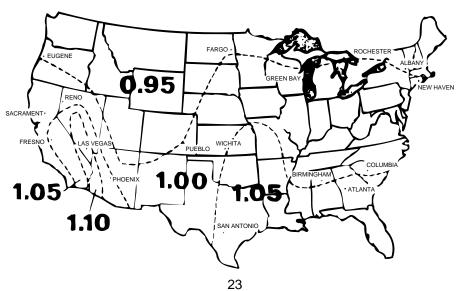
INSTRUCTIONS FOR USING COOLING LOAD ESTIMATE FROM FOR ROOM AIR CONDITIONERS

(AHAM PUB. NO. RAC-1)

- A. This cooling load estimate form is suitable for estimating the cooling load for comfort air conditioning installations which do not require specific conditions of inside temperature and humidity.
- B. The form is based on an outside design temperature of 95°F dry bulb and 75°F wet bulb. It can be used for areas in the continental United States having other outside design temperature by applying a correction factor for the particular locality as determined from the map.
- C. The form includes "day" factors for calculating cooling loads in rooms where daytime comfort (such as living rooms, offices, etc.).
- D. The numbers of the following paragraphs refer to the correspondingly numbered item on the form:
 - 1. Multiply the square feet of window area for each exposure by the applicable factor. The window area is the area of the wall opening in which the window is installed. For windows shaded by inside shades or venetian blinds, use the factor for "Inside Shades". For windows shades by outside awnings or by both outside awnings and inside shades (or venetian blinds), use the factor for "Outside Awnings". "Single Glass" includes all types of single thickness windows, and "Double Glass" includes sealed air-space types, storm windows, and glass block. Only one number should be entered in the right-hand column for item 1, and this number should represent only the exposure with the largest load.
 - 2. Multiply the total square feet of all windows in the room by the applicable factor.
 - 3a. Multiply the total length (linear feet) of all walls exposed to the outside by the applicable factor. Doors should be considered as being part of the wall. Outside walls facing due north should be calculated separately from outside walls facing other directions. Walls which are permanently shaded by adjacent structures should be considered as being "North Exposure". Do not consider trees and shrubbery as providing permanent shading. An insulated frame wall or a masonry wall 8 inches or less in thickness is considered "Light Construction". An insulated frame wall or a masonry wall over 8 inches in thickness is considered "HeavyConstruction".
 - 3b. Multiply the total lenght (linear feet) of all inside walls between the space to be conditioned and anyunconditioned spaces by the given factor. Do not include inside walls which separate other air conditioned rooms.
 - 4. Multiply the total square feet of roof or ceiling area by the factor given for the type of construction most nearly describling the particular application. (Use one line only.)
 - 5. Multiply the total square feet of floor area by the factor given. Disregard this item if the floor is directly on the ground or over a basement.
 - 6. Multiply the number of people who normally occupy the space to be air conditioned by the factory given. Use a minimum of 2 people.
 - 7. Determine the total number of watts for lights and electrical equipment, except the air conditioner itself, that will be in use when the room air conditioning is operating. Multiply the total wattage by the factor given.
 - 8. Multiply the total width (linear feet) of any doors or arches which are continually open to an unconditioned space by the applicable factor.
 - NOTE: Where the width of the doors or arches is more than 5 feet, the actual load may exceed the calcu lated value. In such cases, both adjoining rooms should be considered as a single large room, and the room air conditioner unit or units should be selected according to a calculation made on this new basis.
 - 9. Total the loads estimated for the foregoing 8 items.
 - 10. Multiply the sub-total obtained in item 9 by the proper correction factor, selected from the map, for the particular locality. The result is the total estimated design cooling load in BTU per hour.
- E. For best results a room air conditioner unit or units having a cooling capacty rating(determined in accordance with the NEMA Standards Publication for Room Air Conditioners, CN 1-1960) as close as possible to the estimated load should be selected. In general, a greatly oversized unit which would operate intermittently will be much less satisfactory than one which is slightly undersized and which would operate more nearly continuously.
- F. Intermittent loads such as kichen and laundry equipment are not included in this form.

COOLING LOAD ESTIMATE FORM

HEAT GAIN FROM	QUANTITY			FACTORS	5	BTU/Hr (Quantity	
TIEAT GAIN FROM	QUANTITI		DAY				
WINDOWS: Heat gain from sun.	_	No Shades	Inside Shades	Outside Shades	(Area a Factor)		
Northeast Southeast Southwest Southeast West Northwest North		60 80 75 75 110 150 120 0 ctors are for a	25 40 30 35 45 65 50 0 single glass os or storm w	20 25 20 20 30 45 35 0 only. For glas vindows, mult	Use only the largest load Use only only only the above factors I	ove factors	
WINDOWS: Heat gain by conduction. (Total of all windows) Single glass Double glass or glass block	sq ft			14 7			
WALLS: (Based on linear feet of wall.) a. Outside walls North exposure Other than North exposure b. Inside Walls (between conditioned and unconditioned spaces only)	ft ft	3	nstruction 30 60	Hea	avy Construction 20 30		
4. ROOF OR CEILING: (Use one only.) a. Roof, uninsulated b. Roof, 1 inch or more insulation c. Ceiling, occupied space above. d. Ceiling, insulated with attic space above e. Ceiling, uninsulated, with attic space above	sq ft sq ft sq ft sq ft			19 8 3 5			
FLOOR: (Disregard if floor is directly on ground or over basement.)	sq ft			3			
6. NUMBER OF PEOPLE:				600			
7. LIGHTS AND ELECTRICAL EQUIPMENT IN USE	watts			3			
8. DOORS AND ARCHES CONTINUOUSLY OPENED TO UNCONDITIONED SPACE: (Linear feet of width.)	ft			300			
9. TOTAL COOLING LOAD: (BTU per hour to be used for selection of room air conditioner(s).)	x x x x x			x x x x x			



TROUBLESHOOTING GUIDE

TROUBLESHOOTING GUIDE

Symptom	Check	Defect	Remedy	
Neither fan motor nor compressor operate	,		If fuse or breaker are normal, ask the power supply company for check.	
		2) Plug disconnected	2) Connect properly.	
		Plug connected properly but contact defective	Change power supply cord with plug.	
		4) PWB ass'y fuse open.	4) Change fuse.	
In sufficient cooling	1) Set temperature	1) The set temperature high	1) Down set temperature	
		2) Check thermistor (Refer to page 27)	1) Change thermistor	
	2) Check air filter	Air filter clogged	Clean	
	3) Check for a high hea	at source	Remove the added heat source	
	4) Check doors and wir	ndows	Windows and doors must be kept closed	
	5) Undersized unit		Calculate heat load	
	6) Check if condenser a	Clean them with steam cleaner or another method		
	7) Check if any object is the condenser	7) Check if any object is restricting heat radiation from the condenser		
	8) Sealed system		Check sealed system	
No cooling	1) No temperature	1) Gas leak	1) Repair gas leak	
	difference between discharge pipe and suction pipe of compressor	2) Compressor defective	2) Change compressor	
	2) Check if temp. difference between	Equipment defective if no temp. difference	1) Change or repair defect	
	inlet and outlet air of indoor unit is over 14°F	2) Outside air too high temp.	Improve ventilation, avoid sunshine	
	14 F	Air conditioner normal but heat load excessive	Calculate cooling load and change or remove heat source	
	3) Check indoor	1) Capillary tube restricted	1) Change capillary tube	
	exchanger inlet/ outlet piping temp. Sweat is less than half of coil or frost sticks to capillary tube	2) Gas leak	2) Check for gas leak and repair, recharge	

Symptom	Check	Defect	Remedy
Fan motor runs but compressor	No current runs. (Compressor	1) Overload relay defective	1) Change overload relay
doesn't operate	circuit)	2) Compressor coil burnt out	2) Change compressor
		3) Wiring disconnected or burnt out	3) Connect
	2) Current runs. (Before operating	Compressor (main winding) burnt out	1) Change compressor
	current, capacitor normal)	2) Compressor relay defective	2) Change PWB ass'y
	3) High current draw	1) Compressor locked	1) Change compressor
		Compressor (Auxiliary winding) burn out	2) Change compressor
		3) Overload relay contact burn out	3) Change overload relay
		4) Capacitor defective	4) Change capacitor
		5) Compressor winding short	5) Change compressor
	4) High current draw	1) Compressor winding short	1) Change compressor
	compressor operates but stops immediately	Heat source near to air conditioner	2) Remove heat source
		Partial restriction in sealed system	3) Check sealed system
Compressor trys to start	1) Check power source voltage,	1) Power source voltage too low	1) Improve the supply
	start voltage drop	Wiring for power supply equipment too small	Improve power equipment
With switch set for	1) Check power line	1) Insufficient capacity of fuse	1) Change to rated fuse
cooling, fuse or circuit breaker open	fuse or circuit breaker	2) Circuit breaker "OFF"	2) Circuit breaker "ON"
	Check power source voltage	Power source cut off or contact defective	Repair
	3) Check compressor	1) Compressor locked	1) Change compressor
		One connection terminal of compressor burn out	2) Solder terminal
		One core of lead of compressor burn out	3) Change compressor
	Insulation test on compressor	Circuit insulation defective	Change compressor

Symptom	Check	Defect	Remedy
Fan motor doesn't operate with "Selector switch" set	1) Check PWB connector CN1	1) Connector open CN1	1) Joint of connector CN1
at "Fan only"		2) Crack at solder part of CN1	2) Over solder
	2) Check a. Fan capacitor	1) Fan capacitor defective	1) Change capacitor
	b. Power cord c. Fan motor	2) Power supply voltage is too low	Improve power supply equipment
		3) Fan motor defective	3) Change fan motor
	3) Check	1) Fan motor breaking locked	1) Change fan motor
	a. Current exceeds rated one b. Motor lead wire	2) Fan motor lead wire burn out	2) Change repair lead wire
	Check fan motor circuit	1) Fan motor coil shorted	1) Change fan motor
Fan motor operates	1) Check motor	1) Motor lead wire burn out	1) Change repair lead wire
but supplies no air	rotating direction	2) Motor rotating wrong	2) Change fan motor
when "Selector switch" set at "Fan only"	Check air filter and fan elements	1) Dirty air filter	1) Clean
T diri oriny		Fan screw or nut loose and only motor rotating	2) Tighten up
Compressor starts but stops soon	Measure power supply voltage	Voltage is low and over-current runs, overload relay or internal thermostat operates	1) Improve the equipment
		Wiring for power supply equipment too thin	2) Improve the equipment
	2) Check if air is delivered	Overload relay or internal thermostat operates as fan is not rotating	Change switch check electric circuit (fan)
		Overload relay or internal thermostat operates as fan nut is loose	2) Tighten up
	3) Check the temp. of air at condensor	Overload relay or internal thermostat operates as outdoor air temp. is too high	Ventilate well for outdoor exchanger, avoid sun light, remove heat source from around outdoor unit
		Improper ventilation for outdoor heat exchanger. Overload relay or internal thermostat operates as the temp. of outdoor unit is too high	Clean the outdoor unit Improve ventilation for outlet port of outdoor exchanger
	4) Rated current is normal but overload relay or internal thermostat cuts out	Overload relay or internal thermostat defective	Change overload relay or compressor

Symptom	Check	Defect	Remedy
Compressor operates	s 1) Check PWB connector CN1	1) Connector open CN1	1) Joint of connector CN1
in cooling but fan		2) Crack at solder part of CN1	2) Over solder
doesn't rotate	2) Check fan capacitor	Capacitor defective	Change capacitor
	3) Check fan motor	Fan motor defective	Change fan motor
Noise	1) Vibrating noise	1) Insulation unstable	1) Secure
		2) Cabinet screw loose	2) Tighten up
	2) Metallic sound	Piping touches cabinet or other parts	Repair
	Noise created by fan Check mounting of compressor	1) Fan cracked or deformed	1) Change fan
		Screw or nut loose causing vibrating noise	2) Secure
		Compressor mounts defective	Replace
Excessive vibration	Check noise source	1) Compressor	1) Change compressor
and noise		2) Electric parts	2) Repair or change
		3) Piping touched	3) Repair
		Cabinet or parts set-screws loosened	4) Tighten up
		5) Fan touching	5) Adjust
		6) Insulation unstable	6) Secure

Control circuit

Symptom	Check	Defect	Remedy
PWB ass'y does not	1) Check fuse(FU1)	1) Fuse(FU1)open	1) Change fuse(FU1)(NR)
operate	2) Check transformer (TR)	Secondary voltage of transformer (TR)	2) Change PWB ass'y
The room is not cool enough or not cool at all.	Check thermistor	Check thermistor (Refer to page 27)	Change thermistor
The compressor does not turn off	Check compressor relay	Defective compressor relay	Change relay or Replace PWB ass'y

RUNNING CONDITION

Note:

1. Select mode of the Running Condition of a Room Air Conditioner.

SELECTORHIGH COOL TEMPERATURE 64°F

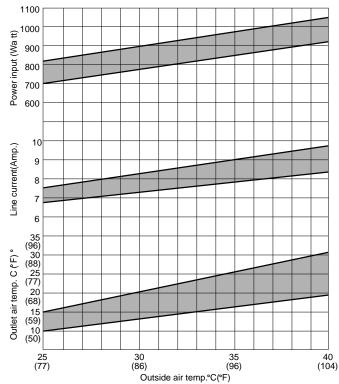
2. Data of Performance Curve is measured between 40RH% and 70RH%.

If you measure the Room Air Conditioner above or below this rating, the data may miss the range of the performance

- 3. Outlet air temp. is influenced by the method of measurement. Measurement examples are shown.
- 4. Use power input data when checking the Running Condition.

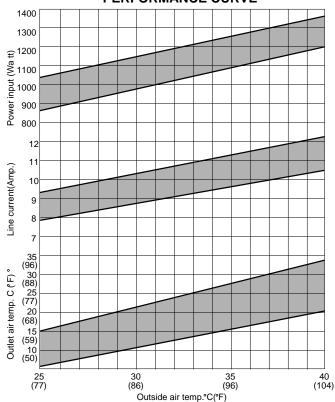
RUNNING CONDITION FOR MODEL AF-T908X/AF-R908X

PERFORMANCE CURVE



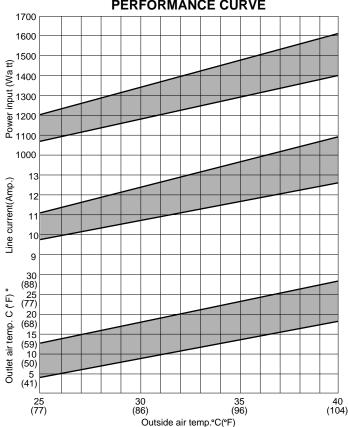
RUNNING CONDITION FOR MODEL AF-R1108X

PERFORMANCE CURVE

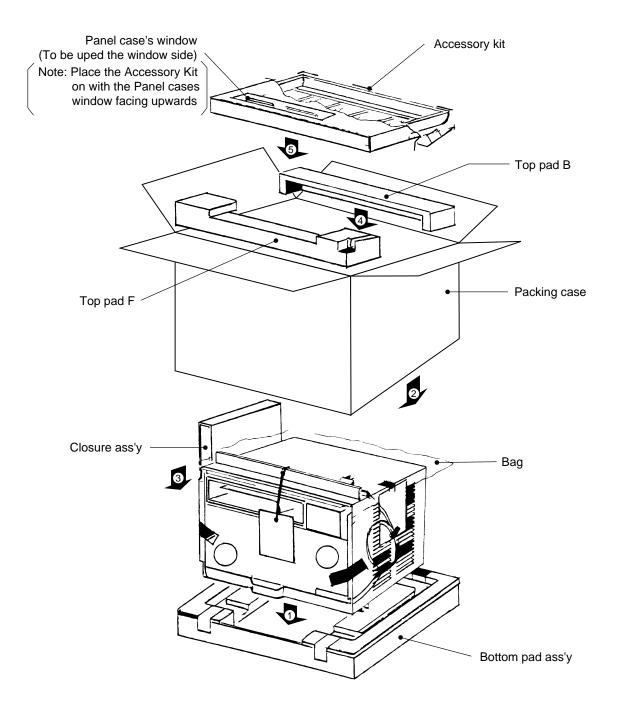


RUNNING CONDITION FOR MODEL AF-R1208X

PERFORMANCE CURVE



PACKING AND ACCESSORIES



REPLACEMENT PARTS LIST

1	REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
1			CABINET AND UNIT PARTS		
1	1- 1	RMOTLA045JBE0	Fan motor [AF-T908X]	1	BL
1	1- 1	RMOTLA045JBE0	Fan motor [AF-R908X]	1	BL
1 - 2 DCHS-A0010FFO Base pan ass'y			l		BL
1 - 4 ROWILAGAGENED Fam motor [AF-R908X] 1 1 - 5 REFUNCATO7128ED Fam motor [AF-R108X] 1 1 - 5 REFUNCATO7128ED Fam motor [AF-R108X] 1 1 - 6 POIDMASGORPA Altry guide 1 1 - 6 POIDMASGORPA Altry guide 1 1 - 7 REFUNCATO7128ED FAM motor [AF-R108X] 1 1 - 8 LANGARASIAGEN TO PROME THE PROM					BL
1-4 RMOTLA046JBED Fan motor [AF-T908X] 1 1-4 RMOTLA044JBED Fan motor [AF-R1108X] 1 1-5 RMOTLA044JBED Fan motor [AF-R1108X] 1 1-5 HENLCATOTJBFA Air guide 1 1-6 COLIGNASOSUBEA Air guide 1 1-7 LANG-A355JBED Top inst. angle 1 1-7 LANG-A355JBED Top inst. angle 1 1-8 CALSA-A355JBED Top inst. angle 1 1-10 CLEV-A024JBED Damper ABF Top inst. angle 1 1-11 NFANEA07JBFA Air guider 1 1-12 NFANEA07JBFD Concenting stay 1 1-13 PFILMA116JBED Top inst. angle 1 1-14 FFFFFF466JBED Insulator [AF-R1208X] 1 1-15 PRESPA067JBFD Condenser shroud [AF-T908X] 1 1-15 PRESPA067JBFD Condenser shroud [AF-R108X] 1 1-16 PRESPA067JBFD Condenser shroud [AF-R108X] 1 1-17 LENG-A034JBFA Orifice Shroud cover [AF-R108X] 1 1-18 PRESPA067JBFD Condenser shroud [AF-R108X] 1 1-19 PRESPA067JBFA Orifice Shroud cover [AF-R108X] 1 1-20 PRESPA067JBFA Orifice Shroud cover [AF-R108X] 1 1-21 PRESPA067JBFA Orifice Shroud cover [AF-R108X] 1 1-22 PRESPA067JBFA Orifice Shroud cover [AF-R108X] 1 1-24 TLAB-BOCAJBFA Orifice Shroud cover [AF-R108X] 1 1-25 TSPC-C505					BG BN
1-4 RNOTLA044SBD Fan motor [AF-R908X] 1 -4 RNOTLA044SBD Fan motor [AF-R1008X] 1 -5 RNOTLA044SBD Fan motor [AF-R1208X] 1 -6 POILMAD50JBPA Control panel 1 -7 LANG-A354SPA Control panel 1 -7 LANG-A355JBPA Control panel 1 -8 LANG-A355JBPA Top inst. angle 1 -9 LEID-A315JBPA Thermistor holder 1 -1-10 CLEV-R024JBKO Deuper ass'y 1 -1-11 RNFARD73JBPA Thermistor holder 1 -1-12 RNFARD73JBPA Thermistor holder 1 -1-13 RNFARD73JBPA Thermistor holder 1 -1-14 PPEPPAB465JBBA Air filter 1 -1-15 RNFARD73JBPA Thermistor holder 1 -1-16 RNFSPA067JBPO Condenser shroud [AF-R008X] 1 -1-15 RNFSPA067JBPO Condenser shroud [AF-R008X] 1 -1-15 RNFSPA067JBPO Condenser shroud [AF-R008X] 1 -1-16 RNFSPA067JBPO Condenser shroud [AF-R108X] 1 -1-17 LEND-A0445JBPA Con. shroud cover [AF-R108X] 1 -1-18 PCOV-A854JBPA Con. shroud cover [AF-R908X] 1 -1-18 PCOV-A854JBPA Con. shroud cover [AF-R908X] 1 -1-18 PCOV-A854JBPA Con. shroud cover [AF-R108X] 1 -1-19 RDBRANBOURD Tube rubber [AF-R908X] 1 -1-19 PUB-A16JBBPA Con. shroud cover [AF-R108X] 1 -1-20 PSRR-A105JBPA Tube rubber [AF-R908X] 1 -1-21 LANG-A354BPA Con. shroud cover [AF-R108X] 1 -1-22 PSRR-A16JBPA Con. shroud cover [AF-R108X] 1 -1-24 TLAB-B06G1BB Energy card [AF-R908X] 1 -1-25 TSPC-C550BBR Energy card [AF-R908X] 1 -1-24 TLAB-B06G1BB Energy card [AF-R908X] 1 -1-25 TSPC-C550BBR Energy card [AF-R908X] 1 -1-26 TSPC-C550BBR Energy card [AF-R908X] 1 -1-27 TSPC-C550BBR Energy card [AF-R908X] 1 -1-28 TSPC-C550BBR Energy card [AF-R908X] 1 -1-29 TSPC-C550BBR Energy card [BN BL
1-4 RMOTLA044JBEO Fam motor [AF-R1108X] 1 -5 HNNLCA707JBFA Control panel 1 -6 POIDMA050JBFA Air guide 1 -7 LANG-A3554JBMO Conecting stay 1 -8 LANG-A3554JBMO Conecting stay 1 -8 LANG-A3554JBMO Damper agrey 1 -9 LHID-A315JBFO Damper agrey 1 -10 CUEY-R024JBMO Damper agrey 1 -11 REWARDA015JBFO Damper agrey 1 -12 REWARDA015JBFO Conecting stay 1 -13 PPIPPH466JBBO Damper agrey 1 -14 PPIPPH466JBBO Conecting stay 1 -15 PRESPA067JBFO Condenser shroud [AF-R108X] 1 -15 PRESPA067JBFO Condenser shroud [AF-R108X] 1 -15 PRESPA067JBFO Condenser shroud [AF-R108X] 1 -16 PRESPA067JBFO Condenser shroud [AF-R108X] 1 -17 LEND-A046JBBO Mire fixing band Mire fixing Mire fixing band Mire fixing band Mire fixing Mire fi					BL
1 - 6	1- 4		I		BL
1-6		RMOTLA044JBE0		1	BL
1 - 8					AF
1 - 9					AE
1-9					AH AP
1-10			-		AE
1-11 NFANPA073JBF0 Propeller fan					AE
1-13				1	BF
1-14		NFANSA024JBF0		1	AX
1-15					AQ
1-15					AL
1-15			Condenser shroud [AF-T9U8X]		AL AL
1-15					AL AL
1-16					AX
1-18		I .			AR
1-18	1-17	LBND-A046JBE0			AE
1-18					AE
1-18					AE
1-19					AE AE
1-19					AE AE
1-19					AE
1-21				1	AE
1-22 PSRR-A163JBFA					AD
1-23			l		AE
1-24					BD
1-24				_	AF AD
1-24					AD AD
1-24 TLAB-B069JBR0 Energy card [AF-R1208X] 1 1 1 1 1 1 1 1 1					AD
1-25	1-24	TLAB-B069JBR0		1	AD
1-25		I .			AE
1-25					AE
1-26 GWAKPA136JBFA					AE
1-27			I ~		AE AK
1-28					AV
1-30					AB
1-31	1-29		Left closure frame	1	AL
1-32			1 ~		AK
1-33					AM
1-34					AD AC
1-35					AC AC
1-35					AB
1-36 MJNTPA074JBFA Louver link 2 1-37 MLOV-A252JBFA Vertical louver A 4 1-38 MLOV-A253JBFA Vertical louver B 2 1-39 PSEL-B360JBE0 Cabinet insulator 1 1-40 PSEL-B537JBE0 Drain tray insulator 1 1-41 PSEL-B361JBE0 Cabinet insulator 2 1-42 PSEL-B367JBE0 Cabinet insulator 2 1-43 PSEL-B516JBE0 Base pan insulator 2 1-44 PSEL-B517JBE0 Condenser insulator [AF-T908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R108X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R1108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1			Con. shroud insulator [AF-R908X]		AB
1-37 MLOV-A252JBFA Vertical louver A 4 1-38 MLOV-A253JBFA Vertical louver B 2 1-39 PSEL-B360JBE0 Cabinet insulator 1 1-40 PSEL-B537JBE0 Drain tray insulator 1 1-41 PSEL-B361JBE0 Cabinet insulator 2 1-42 PSEL-B367JBE0 Cabinet insulator 2 1-43 PSEL-B516JBE0 Base pan insulator 2 1-44 PSEL-B517JBE0 Condenser insulator [AF-T908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R108X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R1108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1					AB
1-38 MLOV-A253JBFA Vertical louver B 2 1-39 PSEL-B360JBE0 Cabinet insulator 1 1-40 PSEL-B537JBE0 Drain tray insulator 1 1-41 PSEL-B361JBE0 Cabinet insulator 2 1-42 PSEL-B367JBE0 Cabinet insulator 2 1-43 PSEL-B516JBE0 Base pan insulator 2 1-44 PSEL-B517JBE0 Condenser insulator [AF-T908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1					AB
1-39 PSEL-B360JBE0 Cabinet insulator 1 1-40 PSEL-B537JBE0 Drain tray insulator 1 1-41 PSEL-B361JBE0 Cabinet insulator 2 1-42 PSEL-B367JBE0 Cabinet insulator 2 1-43 PSEL-B516JBE0 Base pan insulator 2 1-44 PSEL-B517JBE0 Condenser insulator [AF-T908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R1108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1					AC
1-40 PSEL-B537JBE0 Drain tray insulator 1 1-41 PSEL-B361JBE0 Cabinet insulator 2 1-42 PSEL-B367JBE0 Cabinet insulator 2 1-43 PSEL-B516JBE0 Base pan insulator 2 1-44 PSEL-B517JBE0 Condenser insulator [AF-T908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R1108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1					AC AB
1-41 PSEL-B361JBE0 Cabinet insulator 2 1-42 PSEL-B367JBE0 Cabinet insulator 2 1-43 PSEL-B516JBE0 Base pan insulator 2 1-44 PSEL-B517JBE0 Condenser insulator [AF-T908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R1108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1					AE
1-42 PSEL-B367JBE0 Cabinet insulator 2 1-43 PSEL-B516JBE0 Base pan insulator 2 1-44 PSEL-B517JBE0 Condenser insulator [AF-T908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R1108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1			l -		AE
1-44 PSEL-B517JBE0 Condenser insulator [AF-T908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R1108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1			Cabinet insulator		AC
1-44 PSEL-B517JBE0 Condenser insulator [AF-R908X] 1 1-44 PSEL-B517JBE0 Condenser insulator [AF-R1108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1					AC
1-44 PSEL-B517JBE0 Condenser insulator [AF-R1108X] 1 1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1					AF
1-44 PFPFPB443JBE0 Condenser insulator [AF-R1208X] 1					AF
			I =		AF AC
I T-IN I POED-DOTONDEN I DATVITEGO INSUIGIOO	1-44	PSEL-B518JBE0	Bulkhead insulator	1	AC AG
1-46 PSEL-B519JBEO Angle insulator 1		I .			AD

REF. NO. PART NO. DESCRIPTION QTY CODE -48					AF-R1208)
1-41	REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
1-48 PSEZ-B530REG Base pan insulator 1 AM -50 PSEZ-B530REG Con. shroud insulator 1 AD -51 PSEZ-B533REG Con. shroud insulator (AF-P300X) 2 AC -51 PSEZ-B533REG Con. shroud insulator (AF-P300X) 2 AC -52 PSEZ-B533REG Con. shroud insulator (AF-P300X) 2 AC -53 PSEZ-B533REG Con. shroud insulator (AF-P300X) 2 AC -52 PSEZ-B533REG Con. shroud insulator (AF-P300X) 2 AC -53 PSEZ-B533REG Con. shroud insulator (AF-P300X) 2 AC -54 PSEZ-B533REG Con. shroud insulator (AF-P300X) 2 AC -54 PSEZ-B533REG Con. shroud insulator (AF-P300X) 2 AC -54 PSEZ-B533REG Con. shroud insulator (AF-P300X) 3 -55 PSEZ-B533REG Con. shroud insulator (AF-P300X) 3 -54 PSEZ-B533REG Con. shroud insulator (AF-P300X) 3 -55 PSEZ-B533REG Con. shroud insulator (AF-P300X) 3 -57 PSEZ-B533REG Con. shroud insulator (AF-P300X) 3 -57 PSEZ-B533REG Con. shroud insulator (AF-P300X) 3 -58 IX-R2X24TREG Special screw(out.side) 4 AC -59 PSEZ-B533REG Con. shroud insulator (AF-P300X) 3 -50 PSEZ-B533REG Con. shroud insulator (AF-P300X) 3 -51 LANGOSSIREG Con. shroud insulator (AF-P300X) 3 -52 PSEZ-B533REG Con. shroud insulator (AF-P300X) 3 -50 PSEZ-B5				<u> </u>	
1-49	1-47	PSEL-B520JBE0	Motor insulator	1	AC
1-50	1-48	PSEL-B528JBE0	Base pan insulator	1	AM
1-51 PSEL-BSJATED Con. shroud insulator (AF-T900X)	1-49	PSEL-B530JBE0	Bulkhead insulator	1	AD
1-51 PSEL-BSJANED Con., shroud insulator (AP-R900X) 2 AC 1-51 PSEL-BSJANED Con., shroud insulator (AP-R900X) 2 AC 1-51 PSEL-BSJANED Con., shroud insulator (AP-R1108X) 2 AC 1-52 PSEL-BSJANED Con., shroud insulator (AP-R1108X) 2 AC 1-53 PSEL-BSJANED Con., shroud insulator 1 AC 1-54 PSEL-BSJANED Con., shroud insulator 1 AC 1-54 PSEL-BSJANED Cabinet seal 1 AB 1-55 PSEL-BSJANED Cabinet seal 1 AB 1-55 PSEL-BSJANED Cabinet seal 1 AB 1-55 PSEL-BSJANED Cabinet seal 1 AB 1-57 PSEL-BSJANED Cabinet seal 1 AB 1-58 RSSEL-BSJANED Pan motor angle seal 1 AB 1-59 RSSEL-BSJANED Pan motor angle seal 1 AB 1-59 RSSEL-BSJANED Pan motor angle seal 1 AB 1-62 LHLDW03667EB Witer bolder(NR-NN) 1 AA 1-62 LHLDW03667EB Witer bolder(NR-NN) 1 AA 1-63 LHLDW03667EB Witer bolder(NR-NN) 1 AA 1-64 PSEL-BSJANED Damper insulator 1 AC 1-67 HRMICATOSIBER Damper insulator 1 AC 1-67 HRMICATOSIBER Decoration panel AP-R908X 1 AB 1-67 HRMICATOSIBER Decoration panel AP-R908X 1 AB 1-68 RSPR-ADSTANED Decoration panel AP-R908X 1 AB 1-68 RSPR-ADSTANED Decoration panel AP-R908X 1 AB 1-68 RSPR-ADSTANED Decoration panel AP-R908X 1 AB 1-69 PSEL-BSJANED Cabinet seal AP-R1208X 1 AB 1-68 RSPR-ADSTANED Cabinet seal AP-R1208X 1 AB 1-68 R	1-50	PFPFPB528JBE0	Insulator	1	AD
1-51					
1-51					
1-52 PSPEL-B551PED Orifice insulator					_
1-54 PSEL-BSSJEED Panel insulator 1 AB -55 PSEL-BSJATED Panel insulator 1 AB -56 PSEL-BSJATED Panel insulator 1 AB -57 PSEL-BSJATED Cabinet seal 1 AC -58 PSEL-BSJATED Panel insulator 1 AB -59 PSEL-BSJATED Panel motor angle 1 AP -59 PSEL-BSJATED Panel motor angle 1 AP -59 PSEL-BSJATED Panel motor angle 1 AP -50 PSEL-BSJATED Panel motor angle 1 AP -50 PSEL-BSJATED Panel motor angle 1 AB -50 PSEL-BSJATED Panel motor angle 1 AB -61 LARW-ASGITED Panel insulator 1 AD -62 LHLWOGGSTEED Panel insulator 1 AD -63 LHLWOGGSTEED Panel insulator 1 AB -64 PSEL-BSJATED Damper insulator 1 AB -65 PSEL-BSJATED Damper insulator 1 AB -67 HPMICATIJIEED Damper insulator 1 AB -67 HPMICATIJIEED Decration panel [AF-T908X] 1 AB -67 HPMICATIJIEED Decration panel [AF-T908X] 1 AM -67 HPMICATIJIEED Decration panel [AF-HJOSX] 1 AM -68 MSFR-AGZTIED Themistor spring [AF-HJOSX] 1 AM -69 MSFR-AGZTIED Themistor spring [AF-HJOSX] 1 AM -69 MSFR-AGZTIED Themistor spring [AF-HJOSX] 1 AB -70 PSEL-BSJATED Themistor spring					
1-54			10.00		_
1-55					
1-56		PSEL-B394JBE0		1	AB
1-59 PSEL-B240TSED Para motor angle seal 1 AB -58 LN-B2A224TSED Special screw/tout side) 4 AC -59 POTUMBAL66TSED Special screw/tout side) 4 AC -50 PSEL-B365TSED Special screw/tout side) 4 AC -50 PSEL-B365TSED Special screw/tout side) 4 AC -50 PSEL-B365TSED Special screw/tout side) 5 AD -50 PSEL-B365TSED Special screw/tout side) 7 AD -50 LANG-A36TSED Special screw/tout side) 7 AD -50 PSEL-B365TSED Special screw/tout side) 7 AD -50 PSEL-B36TSED Special screw/tout side) 7 AD -50 PSEL-B36TSED Tout screw/tout screw/tout side) 7 AD -50 PSEL-B36TSED Tout screw/tout s	1-55	PSEL-B534JBE0		1	AC
1-59 PSEL-B240TSED Para motor angle seal 1 AB -58 LN-B2A224TSED Special screw/tout side) 4 AC -59 POTUMBAL66TSED Special screw/tout side) 4 AC -50 PSEL-B365TSED Special screw/tout side) 4 AC -50 PSEL-B365TSED Special screw/tout side) 4 AC -50 PSEL-B365TSED Special screw/tout side) 5 AD -50 PSEL-B365TSED Special screw/tout side) 7 AD -50 LANG-A36TSED Special screw/tout side) 7 AD -50 PSEL-B365TSED Special screw/tout side) 7 AD -50 PSEL-B36TSED Special screw/tout side) 7 AD -50 PSEL-B36TSED Tout screw/tout screw/tout side) 7 AD -50 PSEL-B36TSED Tout screw/tout s	1-56	LANG-A360JBW0	Fan motor angle	1	AP
1-59	1-57	PSEL-B240JBE0		1	AB
1-59					
1-60					_
1-61 LANG-ASGLIBWO Fam motor angle 1 AL 1-62 LELDN0368URED Wire holder(NK-7N) 1 AA 1-63 LELDN0368URED Wire holder(NK-8N) 1 AA 1-64 PSEL-B532URED Damper insulator 1 AC 1-65 PSEL-B532URED Damper insulator 1 AG 1-66 PSEL-B532URED Damper insulator 1 AG 1-67 HPNLCA708UREA Decoration panel [AF-F908X] 1 AL 1-67 HPNLCA708UREA Decoration panel [AF-F908X] 1 AL 1-67 HPNLCA708UREA Decoration panel [AF-R908X] 1 AM 1-68 MSFR-A027URED Thermistor spring [AF-F908X] 1 AM 1-68 MSFR-A027URED Thermistor spring [AF-F908X] 1 AB 1-68 MSFR-A027URED Thermistor spring [AF-R908X] 1 AB 1-69 PSEL-B150URED Cabinet seal [AF-R1208X] 1 AB 1-69 PSEL-B150URED Cabinet seal [AF-R1208X] 1 AB 1-69 PSEL-B150URED Cabinet seal [AF-R1208X] 1 AB 1-70 PSEL-B150URED Capacitor clamp [AF-R908X] 1 AB 1-70 PSEL-B150URED Capacitor clamp [AF-R908X] 1 AB 2-1 LANDKA078URWO Capacitor clamp [AF-R908X] 1 AB 2-1 LANDKA078URWO Capacitor clamp [AF-R908X] 1 AB 2-2 LANDKA078URWO Capacitor clamp [AF-R908X] 1 AM 2-3 DELTMA18URED Capacitor clamp [AF-R908X] 1 AM 2-4 CAC-225ERED Capacitor clamp [AF-R908X] 1 AM 2-5 QW-V2D10URED Capacitor clamp [AF-R908X] 1 AM 2-6 QW-V2D10URED Capacitor clamp [AF-R908X] 1 AM 2-7 QW-V2D10URED Cont. Dox angle ass'y 1 AS 2-8 RC-HZA35GURED Cont. Dox angle ass'y 1 AS 2-8 RC-HZA35GURED Cont. Dox angle ass'y 1 AN 2-9 RC-HZA35GURED Cont. Dox angle ass'y 1 AN 2-9 RC-HZA35GURED Cont. Dox angle ass'y 1 AN 2-9 RC-HZA35GURED Cont. Dox angle ass'y 1 AN 2-10 DFWRFA11URED Cont. Dox angle ass'y 1 AN 2-11 DFWRFA11URED Cont. D					
1-62					
1-63	1				
1-64 PSEL-8320BB0 Damper insulator	1-62		· · · · · · · · · · · · · · · · · · ·	1	AA
1-65	1-63	LHLDW0368JBE0	Wire holder(NK-8N)	1	AA
1-66	1-64	PSEL-A432JBE0	Damper insulator	1	AC
1-66	1-65	PSEL-B532JBE0	Damper insulator	1	AG
1-67			-	1	
1-67			-		
1-67					
1-67					
1-68	1				
1-68					
1-68					
1-68	1-68	MSPR-A027JBE0	Thermistor spring [AF-R908X]	1	AB
1-69	1-68	MSPR-A027JBE0	Thermistor spring [AF-R1108X]	1	AB
1-69	1-68	MSPR-A036JBE0	Thermistor spring [AF-R1208X]	1	AB
1				2	ΔD
CONTROL BOX PARTS					
LENDKAO78JBWO	1 70	TIBLE BS020BE0	Evaporator Insurator		
LENDKAO78JBWO			CONTROL BOX PARTS		
Capacitor clamp [AF-R908X]		1		1	
1					AM
2-1	2- 1	LBNDKA078JBW0	Capacitor clamp [AF-R908X]	1	AM
2-1	2- 1	LBNDKA078JBW0	Capacitor clamp [AF-R1108X]	1	AM
2-2	2- 1	LBNDKA081JBW0		1	AL
2- 3					
2-4					
2-5	_				
2-6		~			
2- 7	_	~			
2-8 RC-HZA358JBE0		QW-VZD104JBE0	Lead wire(Earth)		AH
2-8 RC-HZA256JBE0 Fan motor capacitor [AF-T908X] 1 AM		QW-VZD108JBE0	Compressor cord	1	AH
2-8 RC-HZA358JBE0	2- 8	RC-HZA358JBE0	Fan motor capacitor [AF-T908X]	1	AN
2-8 RC-HZA256JBE0	2- 8	RC-HZA256JBE0	Fan motor capacitor [AF-T908X]	1	AM
2-8 RC-HZA256JBE0	2- 8	RC-HZA358JBE0	Fan motor capacitor [AF-R908X]	1	AN
2-8 RC-HZA256JBE0 Fan motor capacitor [AF-R1108X] 2 AM					
2-8 RC-HZA256JBE0 Fan motor capacitor [AF-R1208X] 2 AM	_				
2- 9 RC-HZA361JBE0 Running capacitor [AF-T908X] 1 AX					
2- 9 RC-HZA361JBE0 Running capacitor [AF-R908X] 1 AX					
2-9 RC-HZA357JBE0 Running capacitor [AF-R1108X] 1 BA					
2-9 RC-HZA362JBEO Running capacitor [AF-R1208X] 1 BA					
2-10					
DPWBFA114JBK0 Control board unit[AF-T908X] 1 BT		RC-HZA362JBE0		1	BA
DPWBFA114JBK0 Control board unit[AF-T908X] 1 BT	2-10	TLABCA985JBR0		1	AC
2-11		DPWBFA114JBK0			
2-11					
2-11 DPWBFA113JBK0 Control board unit[AF-R1208X] 1 BU					
2-12 PSPA-A084JBE0 Spacer 2 AC CYCLE PARTS CYCLE PARTS 3- 1 PCMPRA251JBE0 Compressor [AF-T908X] 1 CB 3- 1 PCMPRA251JBE0 Compressor [AF-R908X] 1 CB 3- 1 PCMPRA250JBE0 Compressor [AF-R1108X] 1 CC 3- 1 PCMPRA252JBE0 Compressor [AF-R1208X] 1 CG 3- 2 PPIPCD397JB10 Discharge tube [AF-T908X] 1 AN 3- 2 PPIPCD386JB10 Discharge tube [AF-R1108X] 1 AG 3- 2 PPIPCD462JB10 Discharge tube [AF-R1208X] 1 AN 3- 3 PPIPCD387JB10 Suction tube [AF-T908X] 1 AN					
2-13 PSPA-A085JBE0 Spacer 1 AC					
CYCLE PARTS 3- 1 PCMPRA251JBE0 Compressor [AF-T908X] 1 CB 3- 1 PCMPRA251JBE0 Compressor [AF-R908X] 1 CB 3- 1 PCMPRA250JBE0 Compressor [AF-R1108X] 1 CC 3- 1 PCMPRA252JBE0 Compressor [AF-R1208X] 1 CG 3- 2 PPIPCD397JB10 Discharge tube [AF-T908X] 1 AN 3- 2 PPIPCD386JB10 Discharge tube [AF-R1108X] 1 AG 3- 2 PPIPCD462JB10 Discharge tube [AF-R1208X] 1 AN 3- 3 PPIPCD387JB10 Suction tube [AF-T908X] 1 AN					
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3- 4 PPIPCD389JB10 Lead tube [AF-T908X] 3- 4 PPIPCD389JB10 Lead tube [AF-R908X] 3- 4 PPIPCD389JB10 Lead tube [AF-R1108X] 3- 4 PPIPCD463JB10 Lead tube [AF-R1208X] 3- 5 LPLT-A034JBE0 Joint tube 3- 6 PPIPCD893JB10 Lead tube [AF-T908X]	1 1 1 1 1 1 1	AE AE AE AE AG
3- 4 PPIPCD389JB10 Lead tube [AF-R908X] 3- 4 PPIPCD389JB10 Lead tube [AF-R1108X] 3- 4 PPIPCD463JB10 Lead tube [AF-R1208X] 3- 5 LPLT-A034JBE0 Joint tube 3- 6 PPIPCD893JB10 Lead tube [AF-T908X]	1 1 1 1 1 1	AE AE AE AG
3- 4 PPIPCD389JB10 Lead tube [AF-R1108X] 3- 4 PPIPCD463JB10 Lead tube [AF-R1208X] 3- 5 LPLT-A034JBE0 Joint tube 3- 6 PPIPCD893JB10 Lead tube [AF-T908X]	1 1 1 1 1	AE AE AG
3- 4 PPIPCD463JB10 Lead tube [AF-R1208X] 3- 5 LPLT-A034JBE0 Joint tube 3- 6 PPIPCD893JB10 Lead tube [AF-T908X]	1 1 1 1	AE AG
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3-6 PPIPCD893JB10 Lead tube [AF-R908X]	1	AM
3-6 PPIPCD893JB10 Lead tube [AF-R1108X]		AM
3- 6 PPIPCD388JB10 Lead tube [AF-R1208X]	1	AH
3-7 GLEG-A097JBE0 Compressor cushion	3	AF
3-8 PSEL-B380JBE0 Gasket washer	1	AG
3-9 PCOV-A434JBE0 Terminal cover	1 1	AN
3-10 PSEL-B379JBE0 Terminal gasket 3-11 MSPR-A122JBE0 Protector spring	1	AN AE
3-12 RHOG-A151JBE0 Overload relay [AF-T908X]		AX
3-12 RHOG-A151JBEO Overload relay [AF-R908X]	1 1	AX
3-12 RHOG-A150JBE0 Overload relay [AF-R1108X]	1	AX
3-12 RHOG-A164JBE0 Overload relay [AF-R1208X]	1	AZ
3-13 PCON-A382JBK0 Condenser [AF-T908X]	1	BU
3-13 PCON-A382JBK0 Condenser [AF-R908X]	1	BU
3-13 PCON-A381JBK0 Condenser [AF-R1108X]	1	BT
3-13 DCON-A023JBK0 Condenser ass'y [AF-R1208X]	1	BY
3-14 PEVA-A347JBE0 Evaporator [AF-T908X]	1	BU
3-14 PEVA-A347JBE0 Evaporator [AF-R908X] 3-14 PEVA-A347JBE0 Evaporator [AF-R1108X]	1 1	BU BU
3-14 PEVA-A3473BE0 EVAPORATOR [AF-RI108X] 3-14 PEVA-A356JBE0 EVAPORATOR [AF-RI208X]		BS BS
3-15 DCPY-A145JBK0 Capillary tube ass'y [AF-T908X]	1	AR
3-15 DCPY-A145JBK0 Capillary tube ass'y [AF-R908X]	1	AR
3-15 DCPY-A144JBKO Capillary tube ass'y [AF-R1108X]	1	AR
3-15 DCPY-A149JBK0 Capillary tube ass'y [AF-R1208X]	1	AX
3-16 PPIPCD390JB10 Lead tube [AF-T908X]	1	AD
3-16 PPIPCD390JB10 Lead tube [AF-R908X]	1	AD
3-16 PPIPCD390JB10 Lead tube [AF-R1108X]	1	AD
3-16 PPIPCD464JB10 Lead tube [AF-R1208X]	1 2	AE
3-17 MSPR-A129JBE0 Cycle spring [AF-R1108X] 3-17 MSPR-A129JBE0 Cycle spring [AF-R1208X]		AD AD
3-18 PPIPCD467JB10 Lead tube [AF-T908X]		AD AD
3-18 PPIPCD467JB10 Lead tube [AF-R908X]	1	AD
3-18 PPIPCD467JB10 Lead tube [AF-R1108X]	1	AD
3-18 PPIPCD020JB10 Lead tube [AF-R1208X]	1	AD
3-19 LPFT-A015JBE0 Joint tube	1	AK
3-20 PPIPCD582JB10 Lead tube [AF-T908X]	1	BB
3-20 PPIPCD582JB10 Lead tube [AF-R908X]	1	BB
3-20 PPIPCD582JB10 Lead tube [AF-R1108X]	1	BB
3-20 PPIPCD078JB10 Lead tube [AF-R1208X]		AE
3-21 PPIPCD466JB10 Lead tube [AF-T908X] 3-21 PPIPCD466JB10 Lead tube [AF-R908X]	1 1	AD AD
3-21 PPIPCD4660B10 Lead tube [AF-R906X] 3-21 PPIPCD466JB10 Lead tube [AF-R1108X]		AD AD
3-21 PPIPCD4000B10 Lead tube [AF-R1100X] 3-21 PPIPCD019JB10 Lead tube [AF-R1208X]	1	AD
3-22 PSPF-A635JBE0 Compressor cover	1	AX
3-23 LPLTMA113JBW0 Condenser stay [AF-R1208X]	2	AD
3-24 LPLTMA114JBW0 Condenser cover [AF-R1208X]	2	AH
ACCESSORY PARTS	•	
4-1 TINSEA181JBR0 Operation manual	1	AF
4-2 PSEL-A349JBE0 Window insulator	1	AE
4-3 PSEL-A350JBE0 Window insulator	1	AD
4- 4 PSEL-B365JBE0 Window insulator	1	AD
4-5 TCAD-A001JBE0 Consummer card	1	AB
4- 6 DX-BZA027JBK0 Screws kit	1	AE
4-7 CRMC-A463JBE0 Remote controller [AF-R908X]	1	AX
4-7 CRMC-A463JBE0 Remote controller [AF-R1108X]	1	AX
4-7 CRMC-A463JBE0 Remote controller [AF-R1208X]		AX
4-8 LHLD-A389JBFA Controller holder [AF-R908X] 4-8 LHLD-A389JBFA Controller holder [AF-R1108X]	1 1	AE AE
4-8 LHLD-A389JBFA Controller holder [AF-R1108X] 4-8 LHLD-A389JBFA Controller holder [AF-R1208X]		AE AE
4- 6 EHED-AS690BFA CONCROTTER MOTGER [AF-R1206X] 4- 9 SSAKAA017YDE0 Bag [AF-R908X]		AE AC
4- 9	1	AC
4-9 SSAKAA017YDE0 Bag [AF-R1208X]	1	AC
4-10 UBATUA025JBE0 Battery pack [AF-R908X]	1	AE
4-10 UBATUA025JBE0 Battery pack [AF-R1108X]	1	AE
4-10 UBATUA025JBE0 Battery pack [AF-R1208X]	1	AE

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
4-11	DX-BZA039JBK0	Screws kit	1	AD

5- 1	CPADBA700YDK0	Top pad ass'y	1	AQ
5- 2	CPADBA687YDK0	Bottom pad ass'y	1	AT
5- 3	SPAKCI187YDE0	Packing case [AF-T908X]	1	AZ
5- 3	SPAKCI156YDE0	Packing case [AF-R908X]	1	AZ
5- 3	SPAKCI155YDE0	Packing case [AF-R1108X]	1	AZ
5- 3	SPAKCI160YDE0	Packing case [AF-R1208X]	1	AZ
5- 4	TLAB-B072JBR0	Bar code badge [AF-T908X]	1	AC
5- 4	TLAB-B067JBR0	Bar code badge [AF-R908X]	1	AC
5- 4	TLAB-B065JBR0	Bar code badge [AF-R1108X]	1	AC
5- 4	TLAB-B070JBR0	Bar code badge [AF-R1208X]	1	AC
5- 5	SSAKHA314YDE0	Protect	1	AD
5- 6	SPADBC137YDE0	Name badge cover	1	AB
5- 7	PPAK-A007JBE0	Inner packing	1	AG
5- 8	CPADBA701YDK0	F panel pad ass'y	1	AN
5- 9	SPADBC102YDE0	Comp. pad 2	1	AD
5-10	SPADBC103YDE0	Eva pad	1	AF
5-11	SSAKAA053YDE0	Bag	1	AB
5-12	TLAB-B181JBR0	Caution label	1	AB
5-13	TLABMA297JBR0	Feature card [AF-T908X]	1	AF
5-13	TLABMA291JBR0	Feature card [AF-R908X]	1	AF
5-13	TLABMA291JBR0	Feature card [AF-R1108X]	1	AF
5-13	TLABMA291JBR0	Feature card [AF-R1208X]	1	AF

SCREWS AND NUT

6- 1	XTTSD40P12000	Tapping screw	19	AA
6- 2	XTTSD40P20000	Tapping screw	4	AA
6- 3	XHTSD40P08000	Tap tight screw; 4mm x 8mm	9	AA
6- 4	LX-NZA164JBE0	Special nut	1	AE
6- 5	LX-HZA001JBE0	Special screw	6	AB
6- 6	XCTSD40P10000	Tapping screw	22	AB
6- 7	LX-NZA074JBE0	Special nut	1	AA
6- 8	LX-NZA028JBE0	Special nut	3	AB
6- 9	LX-BZA216JBE0	Special screw(inside)	4	AB
6-10	XCTSD40P06000	Tapping screw [AF-T908X]	4	AA
6-10	XCTSD40P06000	Tapping screw [AF-R908X]	4	AA
6-10	XCTSD40P06000	Tapping screw [AF-R1108X]	4	AA
6-10	XCTSD40P06000	Tapping screw [AF-R1208X]	16	AA
6-11	XBPSD40P06J00	Machine screw [AF-R1208X]	2	AA
6-12	LX-CZA038WRE0	Special screw	4	AA
6-13	XHTSD40P10000	Tap tight screw [AF-R1208X]	2	AA
6-14	LX-NZA075JBE0	Special nut	1	AA
6-15	XTPSD40P08000	Tapping screw	3	AA

HOW TO ORDER REPLACEMENT PARTS

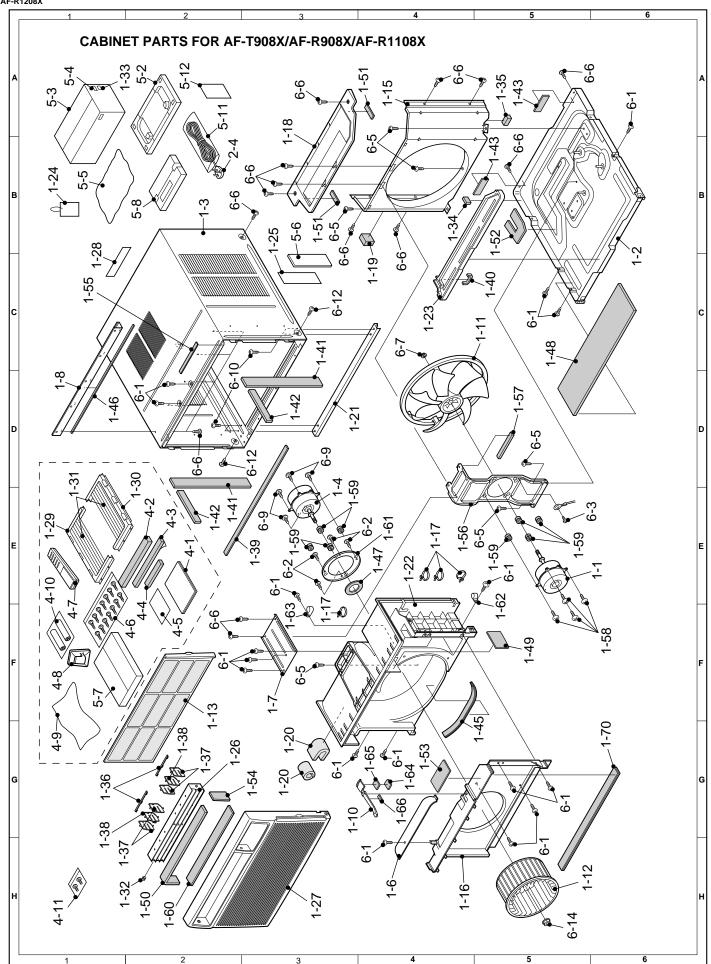
To have your order filled prompty and correctly, please furnish the following information.

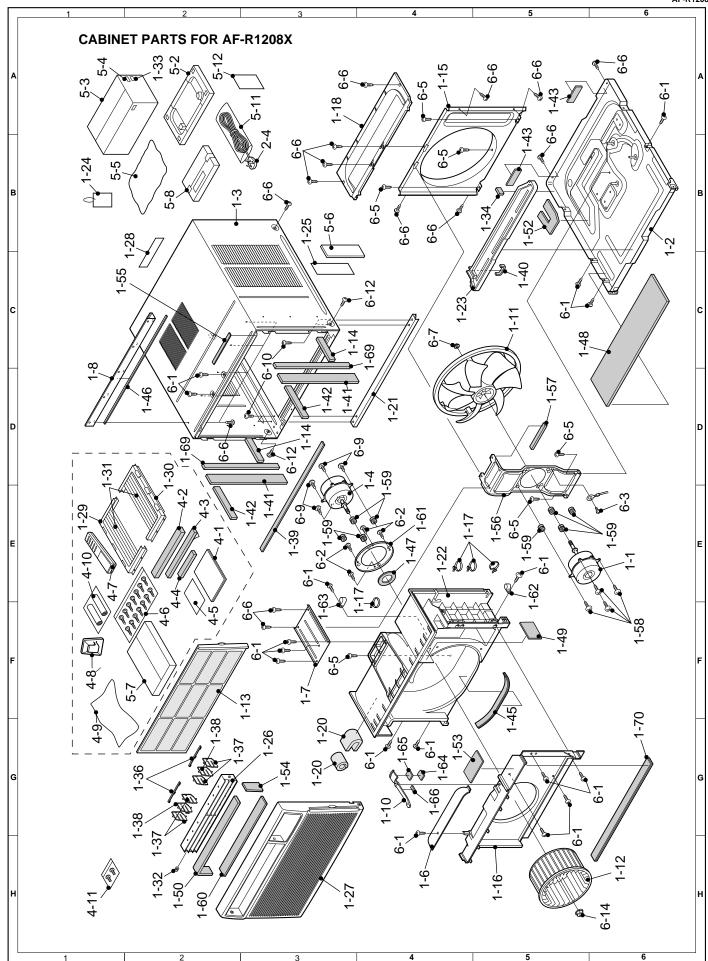
1. MODEL NUMBER

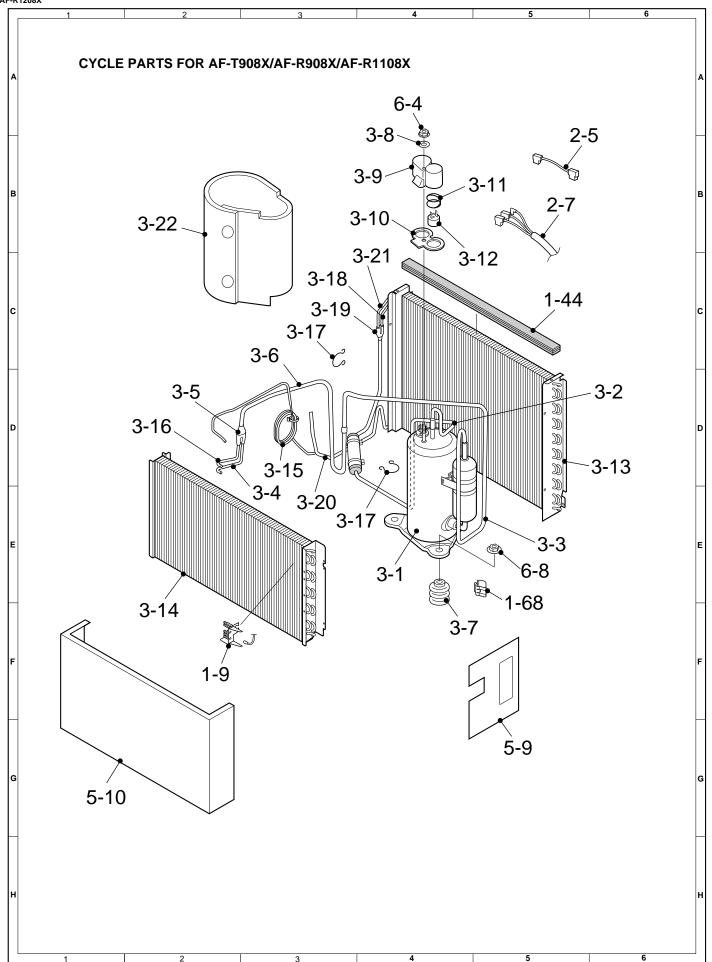
2. REF. NO.

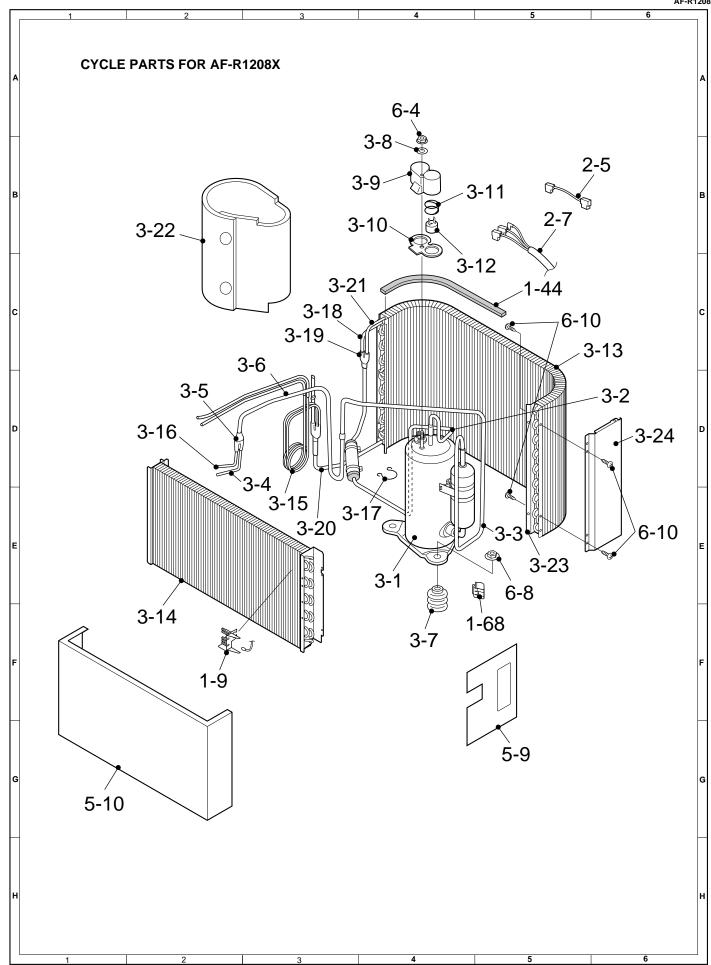
3. PART NO.

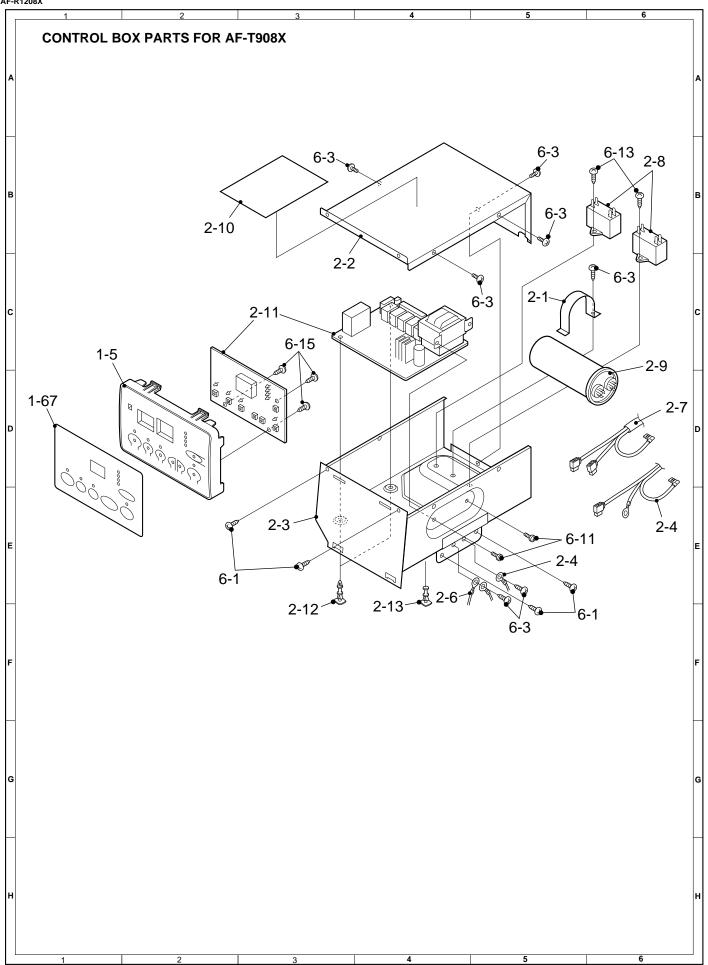
4. DESCRIPTION

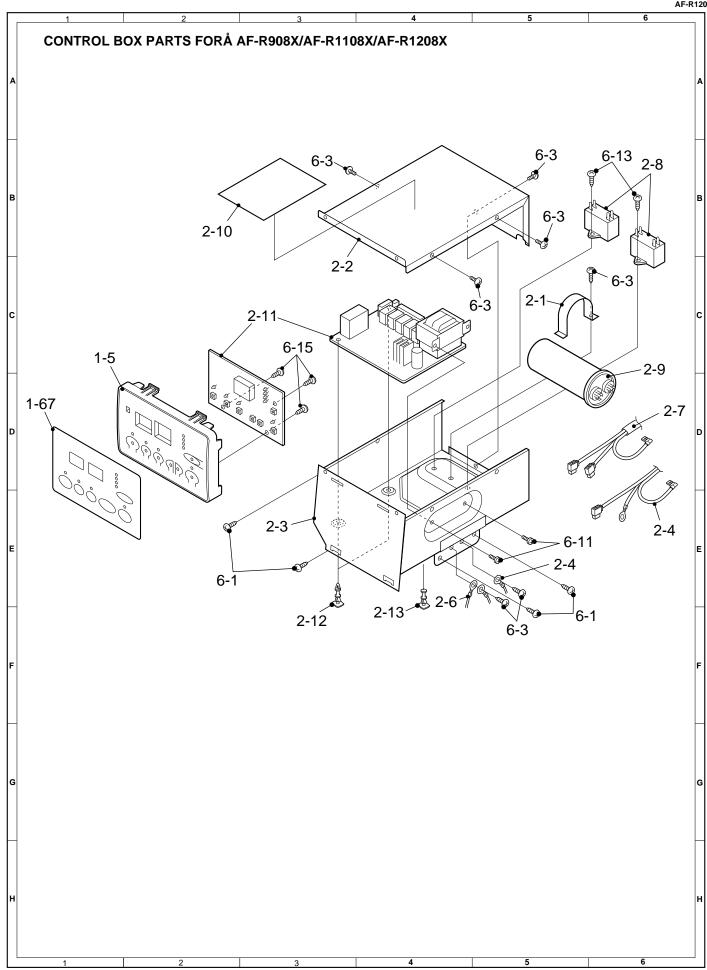












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