

Service Manual

Photocatalytic Air Purifier L-Series



Photocatalytic Air Purifier L-Series

MC70LDVM

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Precautions for Use SiBE811120

1. Precautions for Use

1.1 Required Conditions

Power Supply

1 φ, 220 - 240 V, 50 Hz 1 φ, 220 - 230 V, 60 Hz

Precautions

- This product is for home use. Never use for other purposes.
- This product is for indoor use only. Do not use in bathroom or outdoor as it is not water/ condensation proof.
- Do not modify this product.

SiBE811120 Functions

2. Functions

Category	Functions		MC70LPVM
BPasic Function	Odor sensor		0
	Dust sensor		0
	3-directional suction		0
Health & Comfort	Flash streamer discharge		0
	Number of streamer needle		6
	Pre-filter		0
	Electrostatic filter		0
	Pleated filter	Performance	2 years / 1 sheet
	(Titanium apatite photocatalytic filter)	Quantity	1 + 4 sheets
	Deodorizing catalyst		0
Lifestyle Convenience	Automatic airflow rate		0
	Anti-pollen operation		0
	Turbo operation	0	
	Sleep mode operation	0	
	Odor sensor lamp	0	
	Dust sensor lamp	0	
	LED brightness adjustment	0	
	OFF timer (hours)	1 · 2 · 4	
	Childproof lock	0	
	Cabtyre cable	0	
	Remote controller storage	0	
	Quick-wipe panel	0	
	Filter replacement indicator		0
	Plasma ionizer cleaning indicator		0
	Streamer unit cleaning indicator	0	
Remote Controller	emote Controller Wireless remote controller (ARC)		458A7

Specifications SiBE811120

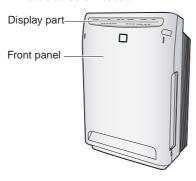
3. Specifications

Specifications

50 Hz, 220 - 230 - 240 V / 60 Hz, 220 - 230 V

Model			MC70LPVM	
Type			Photocatalytic air purifier	
Applicable room area m²		m²	46	
Color			★1: See the note below.	
Power consumption (HH / H / M / L / LL)		W	65 / 26 / 16 / 10 / 7	
Running curre (HH / H / M / L	nt . / LL)	Α	0.55 / 0.25 / 0.15 / 0.10 / 0.08	
Operating sou (HH / H / M / L	nd ★ 2 ./ LL)	dB(A)	63 / 54 / 47 / 39 / 31	
	Туре		Multi blade fan (Sirocco fan with shroud assembly)	
Fan	Airflow rate (HH / H / M / L / LL)	m³/h	420 / 285 / 210 / 130 / 55	
	Running method		Direct drive	
Dust collecting	method		Plasma ionizer + Electrostatic dust collection filter	
Deodorizing m	nethod		Flash streamer + Titanium apatite photocatalytic filter + Deodorizing catalyst	
Air filter			Polypropylene net	
Bacteria filterir	ng method		Flash streamer + Titanium apatite photocatalytic filter	
	Sensor lamp		Dust sensor: 3 stages, Odor sensor: 3 stages	
	Airflow rate		Auto / LL / L / M / H	
Sign	Operation mode		Turbo (HH), Anti-pollen, Sleep	
Sign	Maintenance sign		Filter replacement, Plasma ionizer cleaning, Streamer unit cleaning	
	OFF timer		1 · 2 · 4 hours	
	Others		Childproof Lock	
Dimensions (F	l×W×D)	mm	576 × 403 × 241	
Packaged dim	ensions (H × W × D)	mm	615 × 445 × 280	
Product weight kg		kg	8.5	
Gross weight kg		kg	11	
Safety device			Safety switch (Operation stops when the front panel is opened.)	
Power cord m		m	2.0	
Accessories			Operation manual (1), Wireless remote controller (1), Pleated filter (1 + 4)	
Drawing number			4D072161	

Note: ★1. The colors are shown as below.



Front panel	Display part
White	Silver

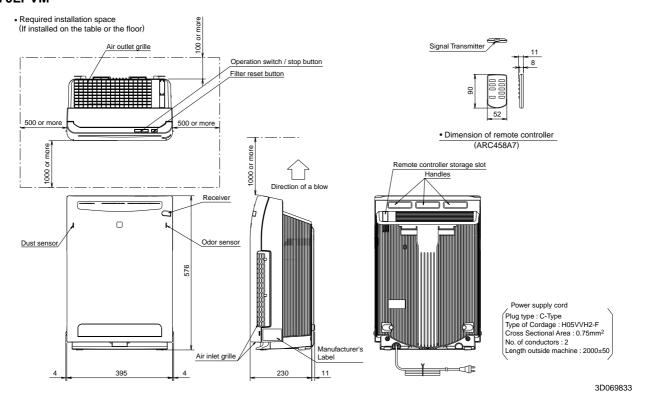
(R13826)

★2. Operating sound levels are the average of values measured at 1 m away from the front, left, right and top of the unit.(This equals to the value in an anechoic chamber.)

SiBE811120 Specifications

3.2 Dimensions

MC70LPVM



Specifications SiBE811120

Wiring Diagram

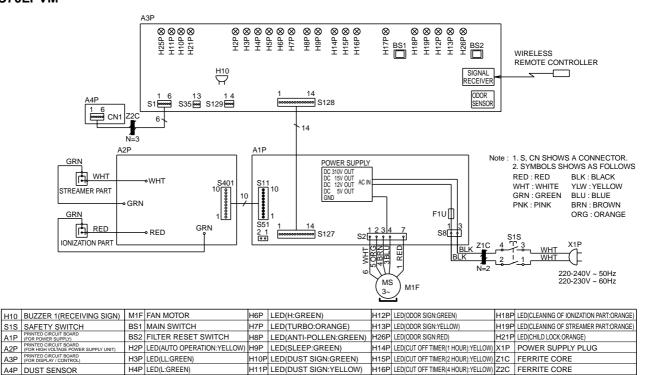
MC70LPVM

A1P

A2P

F1U FUSE(250V, 3.15A)

H5P LED(M:GREEN)



H17P LED(FILTER REPLACEMENT: ORANGE)

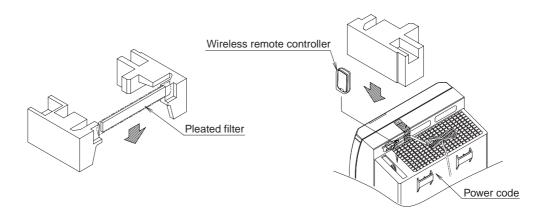
H25P LED(DUST SIGN:RED)

3D069834

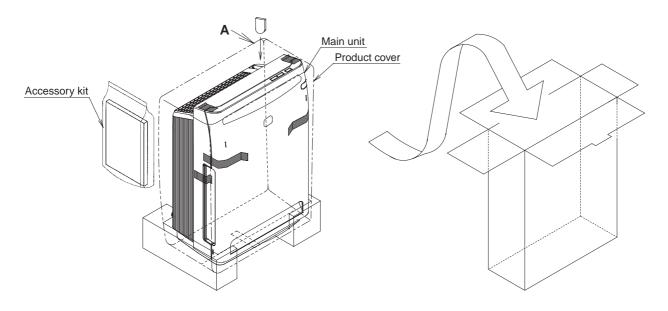
SiBE811120 Specifications

3.4 Packaging Drawing

MC70LPVM



Arrow view A

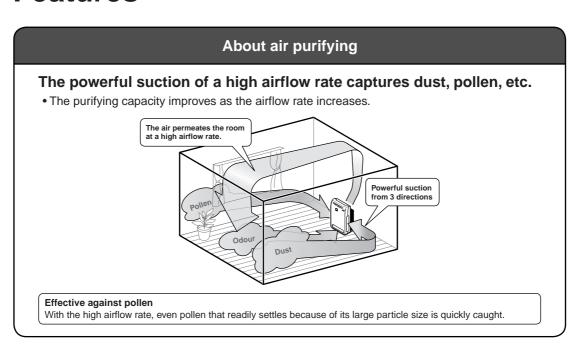


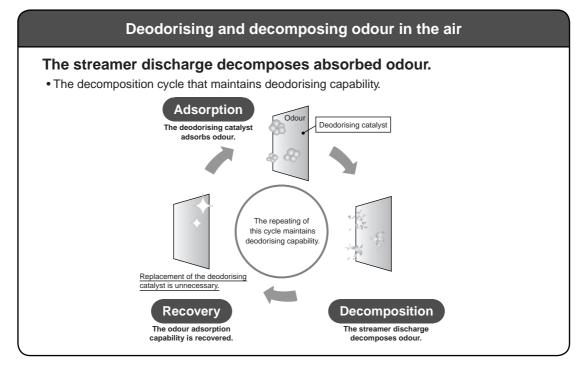
C: 2P286955

4. Operation Manual

4.1 Features

Features





What is the "Streamer" function?

This function uses a "streamer discharge", a type of plasma discharge, to generate high-speed electrons with strong oxidation power inside the air purifier, reducing or removing odour swiftly. (The high-speed electrons are generated and absorbed within the unit to ensure your safety.)

The hissing sound of the streamer discharge may be heard during operation. It does not indicate any operational issue. In addition, the sound may become lower or the sound quality may change according to the operating environment. These cases are also not operational issues. You may smell an odour as a particle of ozone is generated. The amount is negligible, and does not harm your health.

4.2 **Safety Precautions**

Safety Precautions

- Before use, read these Safety Precautions to ensure proper handling of equipment.
- ■The precautions used in this manual are classified into the following two types. Both contain important safety information, therefore observe them at all times.



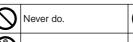
Improper handling may lead to serious injury or even



Improper handling may lead to injury or property damage

In some situations, the consequences may be grave.

■ The icons used in this manual mean the following.



Be sure to follow the instructions



Disconnect the power



Keep away from flames.

Do not disassemble.

Do not handle with wet hands.



Do not wet.

■ After reading this manual, keep it in a handy place for future reference by users.



- Use only a 220-240V power supply.
- Do not damage, remodel, bend unreasonably, pull, twist or use the power supply cord bundled up.

Also, do not place heavy objects on or pinch the power supply cord. Damage to the power supply cord may lead to fire or electric shock.



- Do not use the unit when the power supply cord or the power plug is damaged or plugged loosely into an electrical socket. A damaged or loose cord or plug may lead to fire because of a short circuit or electric shock.
- Do not use the unit beyond the rating of the electrical socket or
- branching device. Exceeding the rating of multiple socket outlets may lead to fire because of overheating.
- Do not connect or disconnect the power plug to turn the unit ON / OFF.
 Abusive handling may lead to electric shock or fire because of overheating.
- Insert the power plug into the electrical socket all the way to the base. ead to electric shock or fire because of overheati
- · Periodically clean the dust and other matter from the power plug with
- on failure caused by humidity or other factors may lead to fire.
- · Stop operation and disconnect the power plug if you detect anything strange such as burning odours.



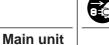
Continued use of the unit without resolving abnormalities such as burning odours may lead to electric shock or fire because of overheating.

- Consult your dealer. If the power supply cord is damaged, it must be replaced by the manufacturer, dealer or qualified persons in order to avoid a hazard. A damaged cord may lead to electric shock or fire because of overheating.
- To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact qualified personnel to install the proper outlet. Do not alter the plug in any way
- Before cleaning or relocating the unit, stop operation and disconnect the power plug from the electrical socket. Handling the unit while it is plugged in may lead to electric shock or damage
- · Do not use the unit anywhere there is airborne oil such as machine oil. Airborne oil may lead to cracking, electric shock or ignition
 - · Do not use the unit anywhere there are abundant oil vapours such as in kitchens, combustible or corrosive gases, or metallic dust. These kinds of environments may lead to fire or damage
 - Keep fingers and objects out of the air inlets, air outlet and other openings.
 - Improper handling may lead to electric shock, injury or damage
 - · Do not wet the air outlet or unit frame.











∕N WARNING



. Do not use combustible substances, i.e., hair spray, insecticides, etc., near the unit.

Do not wipe the unit with benzene or thinner.

These substances may lead to cracking, electric shock or ignition

• Use a neutral detergent to clean the unit. Use of chlorine or acidic detergents to clean the unit may generate harmful gas and harm health.



Main unit



. These servicing instructions are for use by qualified personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are a professional and qualified to do so.



Keep cigarettes, incense and other naked flames away from the unit. Naked flames may lead to fire.



· Do not disassemble, remodel or service the unit by yourself. Improper handling may lead to fire, electric shock or injury. Consult your dealer.



Do not operate the unit with wet hands. Contact with water may lead to electric shock





• Do not use the unit anywhere which is very humid such as bathrooms or which experiences sudden temperature changes such as cold storage boxes.

Improper environments may lead to electric shock or damage.

∕!\ CAUTION

Power supply cord and plug



Main unit

• Hold the power plug - not the power supply cord - and pull to disconnect the unit.

Pulling on the power supply cord may lead to fire or electric shock because of short circuits.





· Before long periods of disuse, disconnect the power plug from the electrical socket.

Degraded insulation may lead to electric shock, current leaks or fire.



- . Do not use the unit anywhere it is exposed to direct sunlight, rain or
- Overheating or contact with water may lead to fire or electric shock.
- Do not use the unit anywhere which is hot such as near heaters. High temperature may discolour or deform the unit
- . Do not block the air inlets or air outlet with laundry, cloth, curtains, etc.

Adhered lint may obstruct the air passage, possibly leading to overheating and fire



- · Do not use the unit on an uneven floor.
 - If the unit topples over, water may spill from it, possibly wetting furniture or leading to fire or electric shock.

If the unit topples over, put it upright immediately.

Do not use the unit anywhere chemicals are handled.

Volatile chemicals or solvents (found in hospitals, factories, test labs, beauty salons, photo developing labs, etc.) may degrade mechanical parts, possibly causing water leaks which may wet furniture, etc.

- . Do not use powders such as cosmetics near the unit.
- Do not use the unit in cramped spaces such as closets. Poor ventilation may lead to overheating and fire.

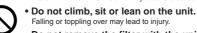
Safety Precautions

! CAUTION

Main unit



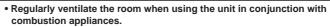
Keep fish tanks, vases and other water containers away from the unit.
 Water infiltration into the unit may lead to electric shock, fire or damage.



Do not remove the filter with the unit lying on its side. Handling of this sort facilitates dust infiltration, possibly leading to fire or electric shock

Do not use the unit close to lighting equipment (within 1m).

The response of the main unit to the signal from the remote controller may be weakened and the colour of the unit may change.



Inadequate ventilation may lead to carbon monoxide poisoning. This product does not remove carbon monoxide.

 This product is not intended to be used by persons with reduced physical, sensory or mental capabilities, or with a lack of operation knowledge, unless they are given supervision or instruction concerning appliance use by the person responsible for their safety. Keep the appliance out of children's reach to ensure that they do not play with it.



 This equipment should be inspected frequently and collected dirt removed from it regularly to prevent excessive accumulation which may result in flashover or a risk of fire.

 If you use the unit where pets are kept, be careful that pets do not urinate on the unit or bite the power supply cord.
 This may lead to electric shock or fire. In the event of abuse by pets, stop operation, disconnect the power plug and consult your dealer.

 Do not use combustion appliances where they are directly exposed to air currents from the air outlet.
 Incomplete combustion by the combustion appliance may lead to carbon monoxide poisoning,

 As using indoor fumigating insecticides, stop operation to prevent chemicals from being sucked into the unit.

Because chemicals accumulate inside the unit, some persons may, depending on their physical condition, be hypersensitive and have their health jeopardized as a result.



Other



Precautions during use

• Keep TVs, radios, stereos, radio clocks and antenna wires at least 2m away from the unit.

The effects of the power circuit inside the unit and cable may cause a distorted TV picture or noise.

(However, audio interference may occur even beyond 2m depending on the strength of the electric waves. Reception is particularly hindered when using indoor antennas, therefore distance antennas far enough away to prevent noise from being picked up.)

• Do not use the unit in the place of kitchen fans or stove hoods.

This kind of use may shorten the service life of the prefilter and the pleated filter, possibly leading to damage

Do not use the unit to preserve artwork, academic materials, etc., or for commercial or other special
applications.

This kind of use may place the quality of preserved objects.

• Correctly attach parts after cleaning the unit.

Using the unit with parts such as filters removed may lead to damage.

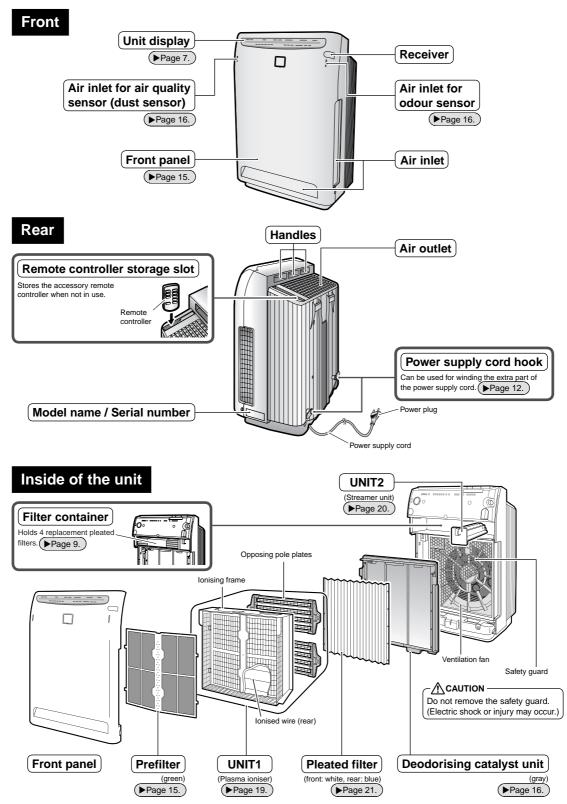
Streamer discharge and electric dust collection

• Odour may escape from the air outlet due to the slight amount of ozone generated, but the amount is negligible and human health is not affected.

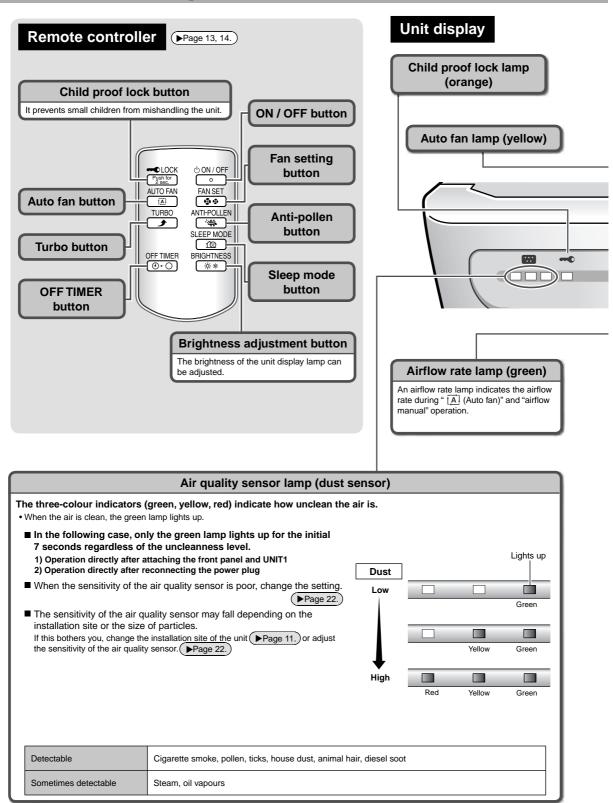
This product does not remove the harmful substances (carbon monoxide, etc.) in cigarette smoke.

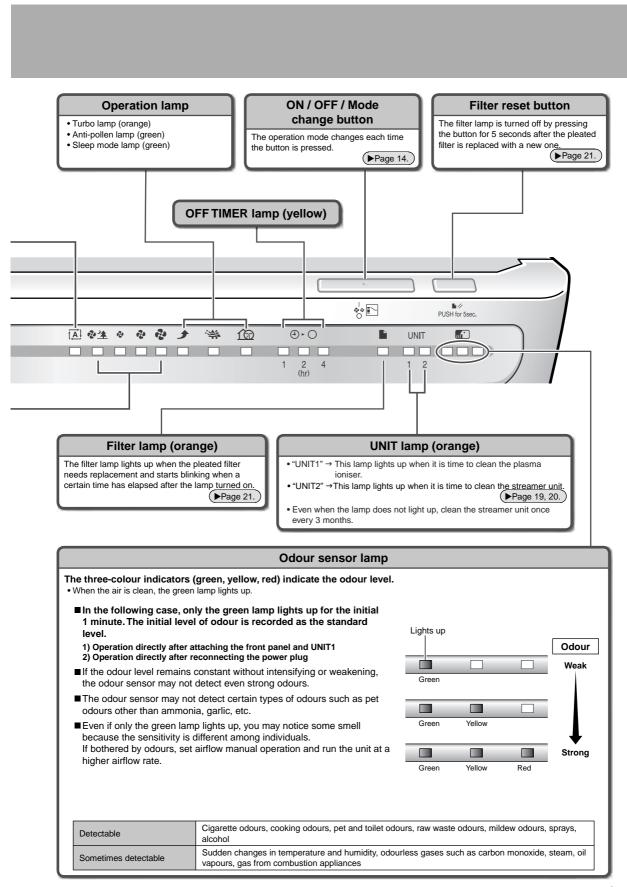
4.3 Name and Operation of Each Part

Name and Operation of Each Part



Name and Operation of Each Part



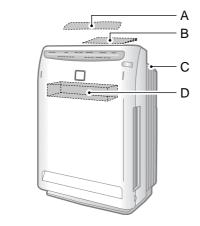


4.4 Preparation before Operation

Preparation before Operation

■ Accessories check

Confirm all the accessories are included.





A: Pleated filter...1 sheet
< For initial installation >

Inside cushion



B: Operation manual...1 book (This booklet) Inside package



C: Remote controller...1 unit

In remote controller storage slot



D: Pleated filters...4 sheets
< Replacement filters >

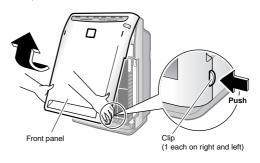
(In filter container)

■ How to attach the pleated filter

Make sure to attach the pleated filter before starting operation.

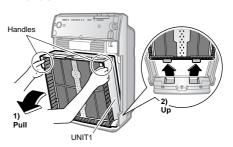
1 Remove the front panel.

• Push the 2 clips (right and left), and pull the front panel upward and remove it.



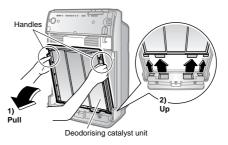
2 Remove UNIT1.

 Holding UNIT1 by the handles, pull UNIT1 upward and remove it.



$oldsymbol{3}$ Remove the deodorising catalyst unit.

 Holding the deodorising catalyst unit by the handles, pull the deodorising catalyst unit upward and remove it.

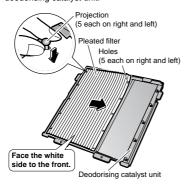


4 Attach the pleated filter.

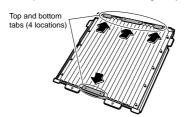
Make sure to set the prefilter (green) and the pleated filter (front: white, rear: blue) in place.

If you operate the unit without them, the unit may be damaged.

 Fit the holes (5 each on the right and left) of the pleated filter to the fixing lugs (5 each on the right and left) of the deodorising catalyst unit.



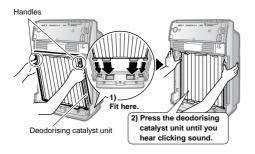
2) Insert the pleated filter underneath the tabs (4 locations) at the top and bottom of the deodorising catalyst unit.



• Unit performance drops if the pleated filter is attached backward.

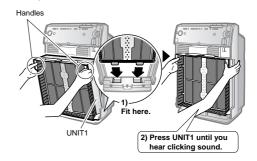
5 Attach the deodorising catalyst unit.

Holding the deodorising catalyst unit by the handles, fit the projections into the grooves (4 locations) at the bottom of the main unit and press the deodorising catalyst unit into the main unit.



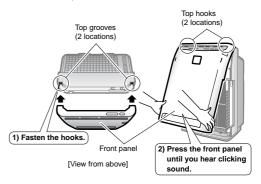
6 Attach UNIT1.

 Holding UNIT1 by the handles, fit the projections into the grooves (2 locations) at the bottom of the main unit, and press UNIT1 into the main unit.



7 Attach the front panel.

Fasten the top hooks (2 locations) of the front panel to the top grooves (2 locations) of the main unit and then close the front panel.

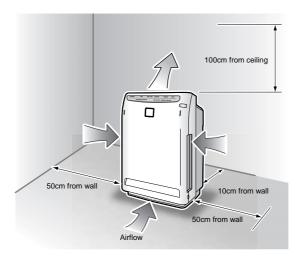


If the front panel is improperly set, the safety switch may be activated. Operation may not start. Page 16.

Preparation before Operation

■ Installation of the unit

Installed on a table or the floor



CAUTION

- The wall where the air purifier is set may get dirty depending on the type of wall and environment, even if you follow the specified dimensions of left. In such cases, move the unit a safe distance away from the wall.
- If the air purifier is used for a long time at the same location, the bottom of the unit and floor may become dirty due to the suction air flow from the bottom of the unit. Periodic cleaning is recommended.

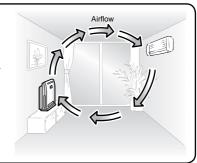
ATTENTION

- The air is blown slightly to the right, but nothing is wrong with the unit.
- Select a location which allows the air to reach the entire room.
- Place the air purifier on a flat area where it is stable. If the floor is uneven, the unit may vibrate excessively.

Hints for smart installation

- To remove house dust, it is effective to install the unit at a lower position in the room. To remove cigarette smoke, it is effective to install the unit in a higher part of the room.
- If you install the air purifier opposite the air conditioner, the circulation effect is enhanced.
 The unit controls unevenness in the room temperature while cleaning the air during heating or cooling operation.
- Keep TVs, radios and stereos 2m or more away from the unit.
 (The effects of the power circuit inside the unit and cable may cause a distorted TV picture or noise.)

Keep cordless phones or atomic radio clocks away from this unit also.



Do not use the unit in the following places.

- Do not use the unit in a location exposed to direct sunlight.
- (The response of the main unit to the signal from the remote controller may be weakened and the colour may change.)
- Do not use the unit in locations of high temperature.

 (Heat may discolour and deform the unit.)

■ Preparation of remote controller

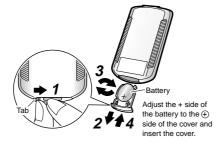
A battery is already set in the remote controller.

• The remote controller can be used only after pulling out the clear sheet.

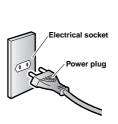


Battery replacement

- **1** Move the tab of the cover on the rear of the remote controller in the direction of the arrow.
- $oldsymbol{2}$ Pull out the cover.
- **3** Replace the battery.
- **4** Close the cover to its original position.



■ Insert the power plug into an electrical socket.

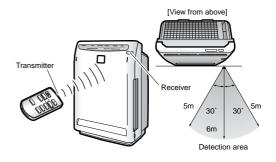




can adjust the length of the power supply cord by rolling up the extra part.

How to use

- Point the transmitter of the remote controller toward the receiver of the unit.
- If there is an obstruction to the signal, such as a curtain, the unit may not receive the signal.
- The distance from which the remote controller can transmit is about 6m.



NOTE

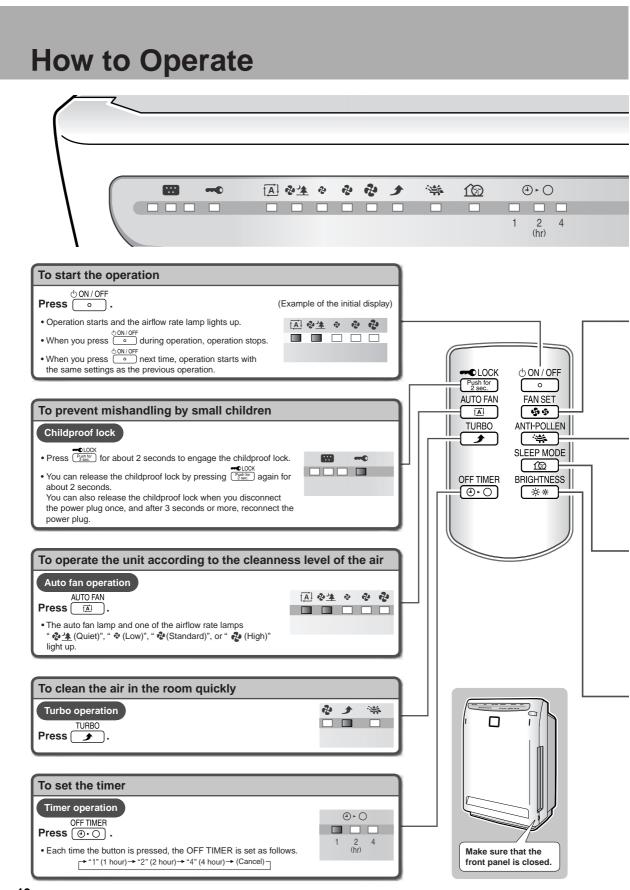


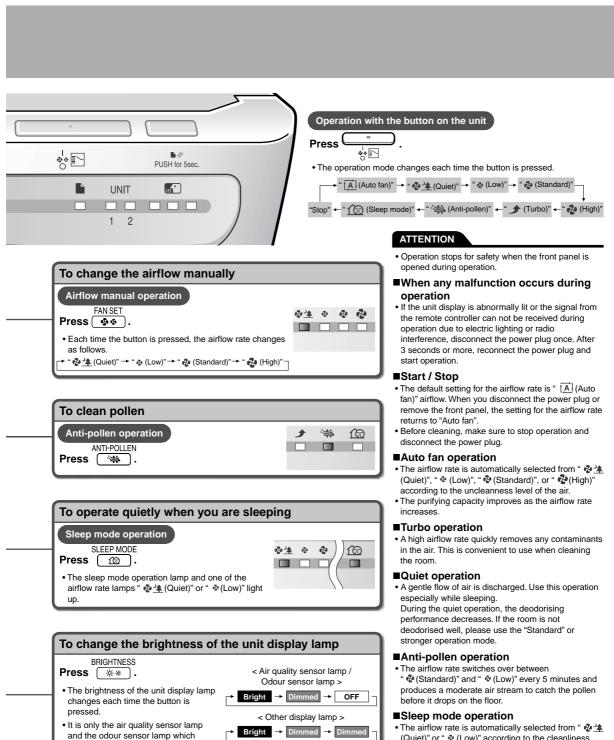
- Store the batteries where babies and children can not reach them. If, by chance, a battery is swallowed, make sure to contact a doctor immediately.
- When discarding batteries, cover the terminals of the batteries with tape.
- If mixed with other metal or batteries, heat, explosion or combustion may occur.
- The replacement target is about 1 year but if reception becomes difficult, replace the battery with a new coin type CR2025 (lithium) battery.
- It may be necessary to replace a coin type battery which is approaching its expiration date before the recommended date.
- In order to prevent malfunctions or injuries due to leaking or explosions, make sure to remove the coin type battery when the unit will not be used for a long period of time.
- The coin type battery which comes with the remote controller is for the initial operation. The coin type battery may run down in less than



- Be careful not to drop or get the remote controller wet. (It causes malfunction.)
- The signals may not be received very well because of electronic lighting style fluorescent lamps (such as inverter fluorescent lamps) in the same room.
- Do not use the remote controller close to the lighting equipment (within 1m). (The sensitivity of the main unit to the signal from the remote controller may be weakened and the colour of the unit may change.)

4.5 How to Operate





NOTE

completely go off.

- Do not start or stop operation by disconnecting or reconnecting the power plug except in the case of malfunction.
- · Do not move the unit during operation. It may cause operational issues or malfunction.

- (Quiet)" or " & (Low)" according to the cleanliness level of the air.
- · This is convenient to use when sleeping.

■Timer operation

- The remaining time is indicated by the OFF TIMER
- The set time can also be changed when the button is pressed while the timer is counting.

■Childproof lock

• While the lock is engaged, the operation of the unit and the remote controller are limited to prevent small children from mishandling them.

4.6 Quick Reference Table of Maintenance

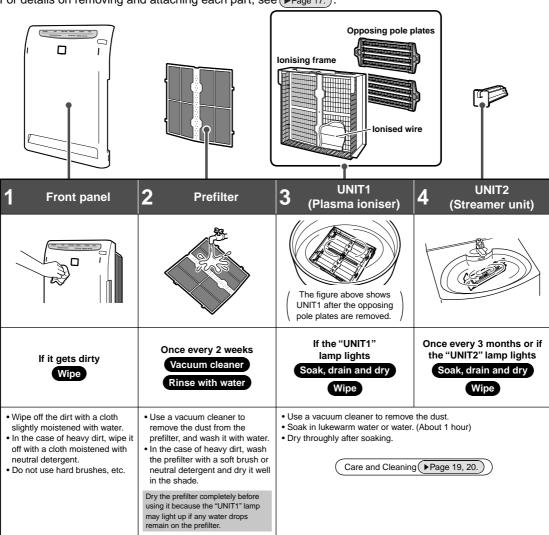
Quick Reference Table of Maintenance



Before performing maintenance, stop the unit and disconnect the power plug. (It may cause electric shock or injury.)

Remove the parts for maintenance in numerical order.

For details on removing and attaching each part, see Page 17.

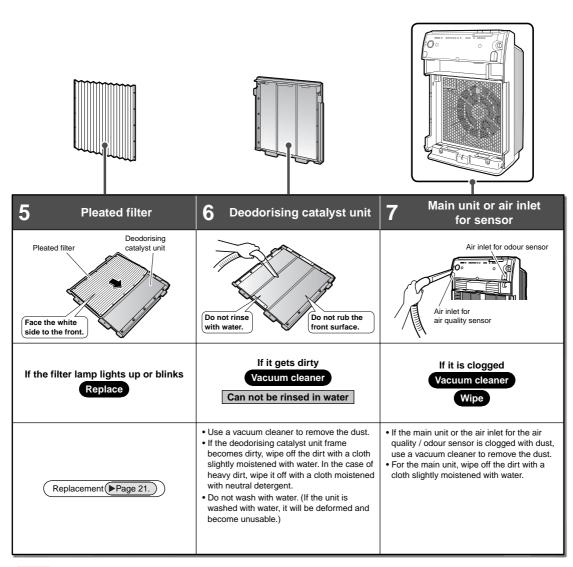




- Do not use gasoline, benzene, thinner, scouring powder, kerosene, alcohol, etc.
- (Cracking, electric shock or fire may occur.)
- Do not wash the main unit with water.
 (Electric shock, fire or malfunction may occur.)

NOTE

- When detergent is used, wipe the detergent off the surface to prevent any residue.
- Do not dry the prefilter in a place exposed to direct sunlight.
- Do not use hot water with a temperature of 50°C or higher for cleaning the parts.
- Do not dry the parts over a fire.
 It may cause discolouration or deformation of the parts and the parts may become unusable.



NOTE

• Be careful not to scratch the surface of the front panel or damage the projections on the rear of it after it is removed.

The projections on the rear work as a safety switch that shuts power off when the front panel is opened.

If they are damaged, operation can not start.



WARNING

- Do not touch the inside of the hole at the bottom of the unit. (Electric shock may occur.)
- Consult your dealer if the unit is damaged and does not operate.

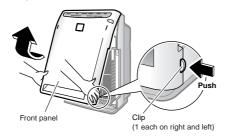
4.7 Removing and Attaching Each Part

Removing and Attaching Each Part

Remove

1 Remove the front panel.

• Push the 2 clips (right and left), and pull the front panel upward and remove it.



2 Remove the prefilter.

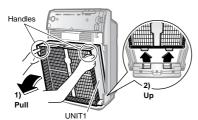
 Hold the indent and pull the prefilter. Then, unhook the tabs (4 locations) of the prefilter from the holes (2 each on the right and left) of UNIT1.





3 Remove UNIT1.

Holding UNIT1 by the handles, pull UNIT1 upward and remove it.



4 Remove the deodorising catalyst unit.

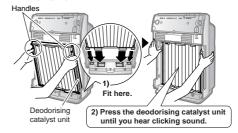
 Holding the deodorising catalyst unit by the handles, pull the deodorising catalyst unit upward and remove it.



Attach

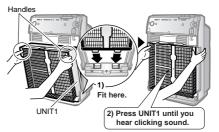
1 Attach the deodorising catalyst unit.

 Holding the deodorising catalyst unit by the handles, fit the projections into the grooves (4 locations) at the bottom of the main unit and, press the deodorising catalyst unit into the main unit.



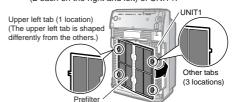
2 Attach UNIT1.

 Holding UNIT1 by the handles, fit the projections into the grooves (2 locations) at the bottom of the main unit, and press UNIT1 into the main unit.



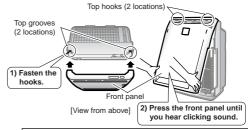
3 Attach the prefilter.

• Fit the tabs (4 locations) of the prefilter into the holes (2 each on the right and left) of UNIT1.



4 Attach the front panel.

• Fasten the top hooks (2 locations) of the front panel to the top grooves (2 locations) of the main unit and then close the front panel.

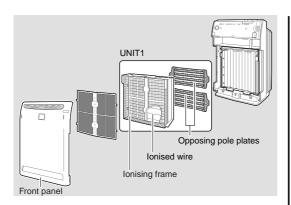


If the front panel is improperly set, the safety switch may be activated. Operation may not start. Page 16.

■ Removing and attaching the opposing pole plates

CAUTION

Wear rubber gloves to remove and attach the opposing pole plates. Hands can be cut on the opposing pole plates and ionised wires.

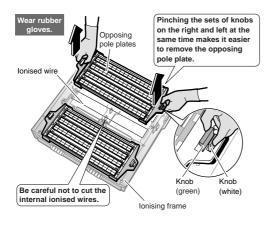


Remove

1 Remove the front panel and UNIT1.

▶ Page 17.

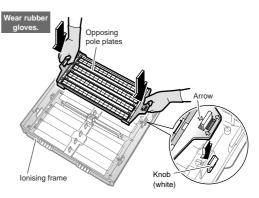
- **2** Remove the opposing pole plates from the rear of UNIT1.
 - Pinching together the white and green knobs (2 sets on the right and left), lift the opposing pole plate up and remove it.



Attach

- **1** Attach the opposing pole plates.
 - 1) Fit the opposing pole plate over the knobs (2 sets on the right and left) on the ionising frame.

The opposing pole plates have no difference between the upper and the lower, or between the right and the left. Attach them so that the arrow is visible.



2) Insert securely until it clicks.



3) Attach the other opposing pole plate.



2 Attach UNIT1 and the front panel.

Page 17.

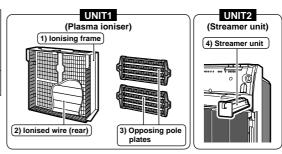
4.8 Cleaning of UNIT1 and UNIT2

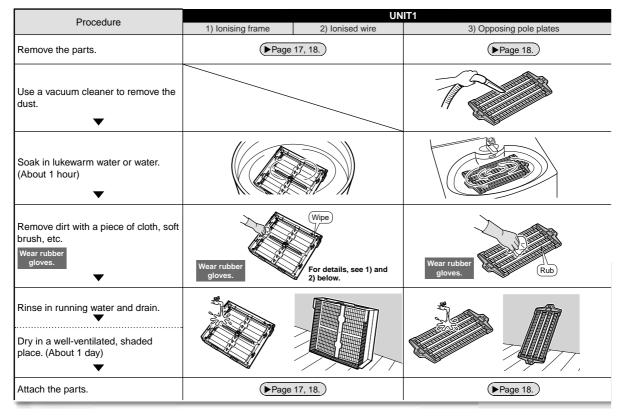
Cleaning of UNIT1 and UNIT2

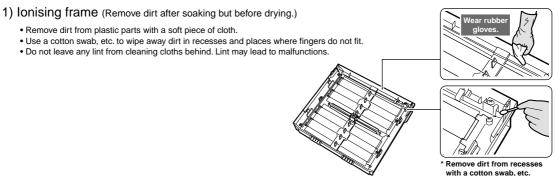


If marking is a concern, clean the unit even if the "UNIT1" and "UNIT2" lamps do not light.

For details on removing and attaching each part,







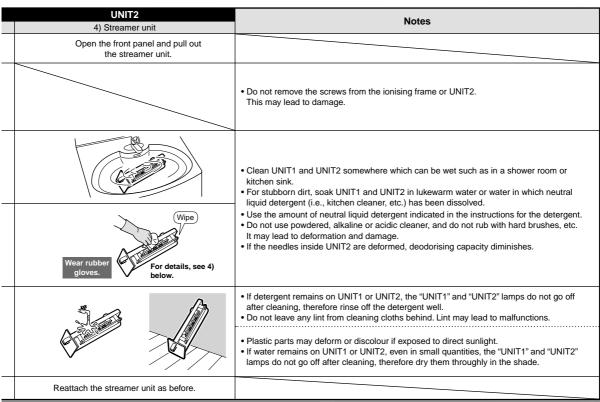


■ Wear rubber gloves when wiping or rubbing the units.

- Hands can be cut on the opposing pole plates and ionised wires.
- There are ionised wires on the rear of the opposing pole plates. Be careful not to snap these wires when removing and attaching the units.
 - If the unit is operated with broken ionised wires, the "UNIT1" lamp lights. While the lamp is lit, dust collecting capacity is low.
 - If any ionised wire is accidentally cut, it is necessary to replace the ionised wire with a new one. Consult your dealer.
 (Do not replace the ionised wire by yourself.)

ATTENTION

• Operation can be performed safely without the streamer unit installed on the main unit, but this degrades the deodorising performance. Use the main unit after the streamer unit is installed.



2) Ionised wire (8 locations)

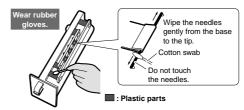
• Remove dirt from the ionised wires and surrounding plastic parts with a soft piece of cloth.



* Wipe the ionised wires gently.
Pulling on them forcefully may cause them to snap.

4) Streamer unit

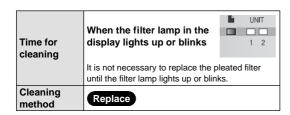
- Wipe the needles with a cotton swab or a soft piece of cloth if they are dirty.
- Remove dirt from plastic parts () in internal areas with a cotton swab or a soft piece of cloth.
- Do not remove the screws.

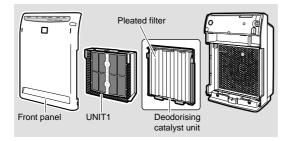


* If the needles are deformed, deodorising capacity diminishes.

4.9 Replacement of the Pleated Filter

Replacement of the Pleated Filter



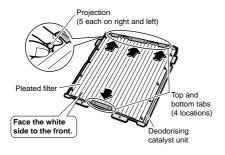


1 Remove the front panel and UNIT1.

Page 17.

2 Replace the pleated filter with a new filter.

- 1) Remove the used pleated filter.
 - Release the pleated filter from the projections (5 each on the right and left) of the deodorising catalyst unit (front side).
- Take out a new pleated filter from the filter container and then attach it to the deodorising catalyst unit.
 - Fit the holes (5 each on the right and left) of the pleated filter onto the tabs on the right and left of the deodorising catalyst unit.
 - Insert the pleated filter underneath the tabs
 (4 locations at the top and bottom) of the deodorising catalyst unit.



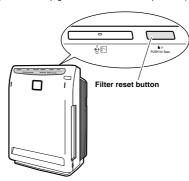
3 Attach UNIT1 and the front panel.

▶Page 17.

4 Connect the power plug.

5 Press the filter reset button on the upper part of the front panel for 5 seconds.

(The filter lamp goes off with a short beep sound.)



• Even if the pleated filter is replaced, the filter lamp does not go off unless you press the filter reset button for 5 seconds.

NOTE

- Order the pleated filter for replacement from your dealer.
- Replace the pleated filter when the filter lamp lights up or blinks even if the filter looks clean. The amount of visible dirt does not represent the capacity of the filter.
- The replacement interval for the pleated filter varies according to how the unit is used and where it is located.

The filter lamp lights up after about 2 years if the unit is used every day in a house where 10 cigarettes per day are smoked. (The replacement interval shortens when the unit is used where the air is particularly dirty.)

When you have replaced the pleated filter before the filter lamp lights up because of visible dirt or generation of odour, press the filter reset button for 5 seconds.

Options

ATTENTION

• For replacement pleated filters contact the service shop.

Part	Model
Pleated filter (7)	KAC017A4E

- If the unit is used with dirty parts
 - Air is not cleaned.
 - Odors are not removed.
 - Unnecessary odors may be generated.
- Discard of the pleated filters as noncombustible waste.

■Disposal requirements



Your product and the batteries supplied with the controller are marked with this symbol. This symbol means that electrical and electronic products and batteries shall not be mixed with unsorted household waste. For batteries, a chemical symbol can be printed beneath the symbol. This chemical symbol means that the battery contains a heavy metal above a certain concentration. Possible chemical symbols are:

Pb: lead (>0.004%)
Hg: mercury (>0.0005%)

Disposal of this product must be done in accordance with relevant local and national legislation.

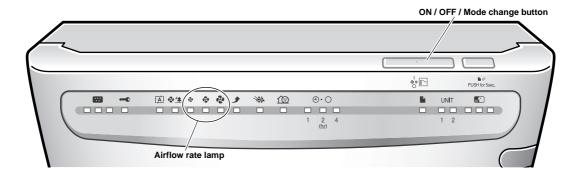
Units and waste batteries must be treated at a specialized treatment facility for re-use, recycling and recovery.

By ensuring correct disposal, you will help to prevent potential negative consequences for the environment and human health. Please contact the installer or local authority for more information.

4.10 Sensitivity Setting of the Air Quality Sensor (Dust Sensor)

Sensitivity Setting of the Air Quality Sensor (dust sensor)

The sensitivity of the air quality sensor can be changed.



- **1** Press on the unit for 10 seconds.
- **2** With pressed, point the remote controller at the unit and press 0.
- The receiving tone sounds, one of the airflow rate lamps " & (Low)", " & (Standard)" or " (High)" blinks for 5 seconds, and then the lamp corresponding to the set sensitivity lights up.
- **3** Change the sensitivity using on the unit.
 - Each time the button is pressed, an airflow rate lamp lights up and the sensitivity change as below.
 - The sensitivity setting is indicated by the airflow rate lamps.
 If the airflow rate lamps do not change, disconnect the power plug, wait at least 3 seconds, reconnect the power plug and try the operation again from the beginning.

To **raise** the sensitivity:

➤ Select the " ♣ (Low)" airflow rate lamp.

To **lower** the sensitivity:

lower the sensitivity:
 Select the " (High)" airflow rate lamp.

	Airflow rate lamp	Sensitivity	
	♣ "Low"	High	The sensor more readily reacts to dust.
	◆ "Standard"	Normal	Default setting
ĺ	♣ "High"	Low	The sensor reacts less to dust.

[A]

TURBO

OFF TIMEF

(O-,O

OFF TIMER button

G 95

BRIGHTNES

- **4** When you decide on the setting, point the remote controller at the unit and press ⊕⋅⊙.

 The receiving tone sounds and the lamp corresponding to the set sensitivity blinks.
- **5** Remove the power plug while the set lamp is blinking, wait for 3 seconds or more, and then insert the power plug again.

NOTE

- The sensitivity of the air quality sensor can be set whether the unit is running or stopped.
- $oldsymbol{\cdot}$ If step $oldsymbol{5}$ is not performed, the unit does not go back to the normal operating mode.
- If step ${m 5}$ is performed in the middle of setting, the setting can not appropriately be completed.

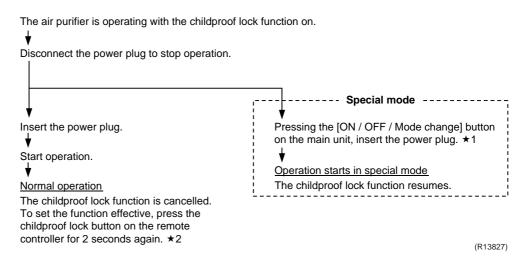
5. Childproof Lock Function: Special Mode

Outline

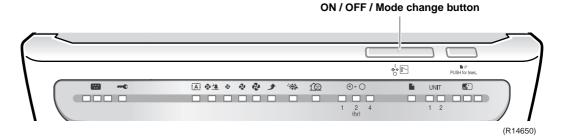
In normal mode, once you disconnect the power plug, the childproof lock function is cancelled. The special mode enables the childproof lock function to resume even after the power plug is disconnected.

It is useful when you keep the remote controller away from the small children or the guests in hotel rooms to prevent them from mishandling.

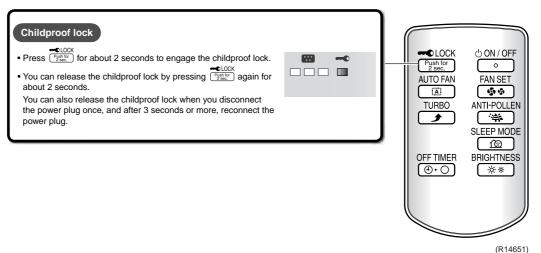
Detail



Note: ★1



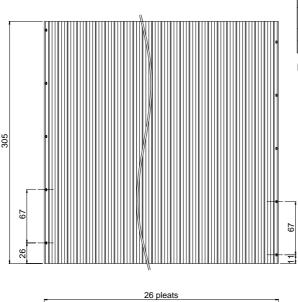




SiBE811120 **Optional Accessories**

6. Optional Accessories

6.1 Pleated Filter (Titanium Apatite Photocatalytic Filter) -KAC017A4E



Extend pleats in using

Specifications			
ltem Model	KAC017A4E		
Material	Non-woven fabric (electrostatic)		
No. of packages	5		

Notes: 1. Replacement guideline: Every 2 years (for about 10 years in total)
2. Appearance color: White (front), blue (back)

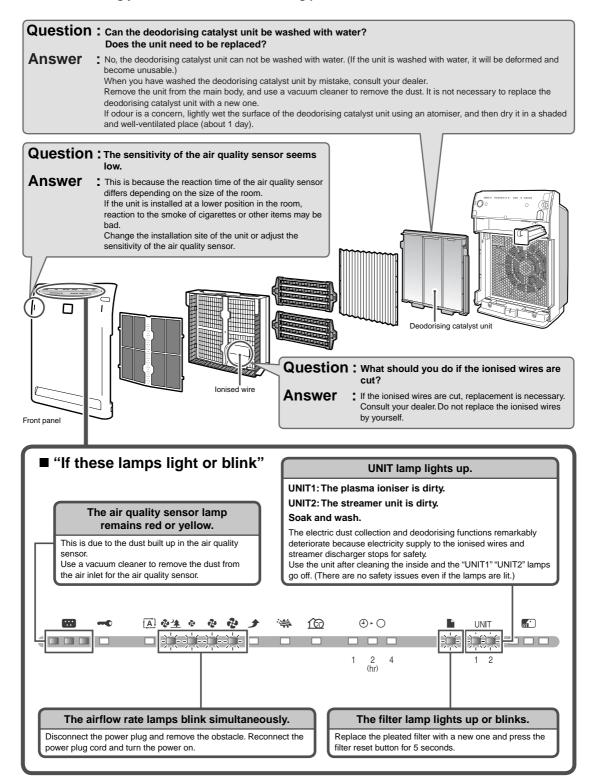
Troubleshooting SiBE811120

7. Troubleshooting

7.1 Frequently Asked Question

Frequently Asked Questions

Before consulting your dealer, check the following points.



SiBE811120 Troubleshooting

The unit does not operate.

Check the projections.

• Is the front panel correctly set?

· Are the projections on the rear of the front panel broken?

You may smell an odour as ozone particles are generated.
 The amount is negligible, so it does not harm your health.

7.2 Check before Requesting Servicing

Troubleshooting

The unit does not operate

even if the ON / OFF button is

Before consulting your dealer or asking for repairs, check the following points. If the problems still can not be solved, consult your dealer.

pressed. Consult your dealer if the projections are broken. • Is the battery of the remote controller run down? The desired results are not obtained. • Is the unit located where the air does not reach the entire room or is something obstructing the airflow? → Select an unobstructed location from where the air can reach the entire room. The air is not cleaned. . Is the prefilter, the pleated filter or UNIT1 dirty? → Perform cleaning. If odour of the deodorising catalyst unit is a concern, lightly wet the surface of the unit using an atomiser, and then dry it in a shaded and well-ventilated place. • Is a large amount of odour generated when starting operation of the unit? → The odour level of the initial 1 minute is used as the standard for the sensitivity of the odour sensor. Operate the unit with an Although there is odour, the increased airflow. Modify the standard sensitivity of the odour sensor using the green lamp remains lit. following procedure. When the air is clean (when there is no odour), disconnect the power plug and wait for 3 or more seconds. Connect the power plug once again, and start operation. • Is a large amount of odour generated temporarily? (i.e., many people are smoking, grilling meat, etc.) → Operate the unit and the odour should gradually go away. Have you moved the unit from another room? → The original room may have an odour. Operate the unit for a while Odour comes from the air · Are odours constantly generated in the room? (i.e., paint, new outlet. furniture, wall paper, sprays, cosmetics, chemicals, etc.) → As odour that is constantly generated can not be completely removed, use the ventilation system in the room or operate the unit in a well-ventilated room for a while.

Troubleshooting SiBE811120

Troubleshooting

Before consulting your dealer or asking for repairs, check the following points. If the problems still can not be solved, consult your dealer.

A sound is heard.		
A crackling or buzzing sound is heard during operation.	• Are UNIT1 and UNIT2 correctly set? → Insert UNIT1 until it clicks. Insert UNIT2 completely to the end.	
	• Is dust adhered to UNIT1 and UNIT2?	
A fizzing sound is heard during operation.	UNIT2 makes a hissing sound caused by the streamer discharge during operation. Depending on the usage conditions, the sound becomes lower or the sound quality may change, but this does not indicate any problem with operation. If the sound persists, change the installation site of the unit.	

The lamp lights up or blinks.		
■The airflow rate lamps blink simultaneously. ■The unit does not blow air.	• Is there any obstacle in the air outlet? → Disconnect the power plug and remove the obstacle. Reconnect the power plug and turn the power on. If the present condition does not change or you can not remove the obstacle, consult your dealer.	
The "UNIT1" lamp or "UNIT2" lamp does not go off or light up again even after cleaning UNIT1 or UNIT2.	 Are UNIT1 and UNIT2 set correctly? → Insert UNIT1 until it clicks. Insert UNIT2 completely to the end. Are water drops, detergent, or bits of fibre left in UNIT1 and UNIT2 after cleaning? → After cleaning, wash UNIT1 and UNIT2 well so as not to leave detergent or bits of fibre, and completely dry them. Are the ionised wires cut? → Check the ionised wires. Consult your dealer for replacement with 	
The filter lamp does not go off, although the pleated filter is replaced.	new ones. • Did you press the filter reset button for 5 seconds? → Even if the pleated filter is replaced, unless you press the filter reset button for 5 seconds, the filter lamp does not go off.	

Other		
There is a burn mark on the metal part of UNIT2.	This is a mark made by the streamer discharge and is not abnormal.	
	Is a TV or radio installed within 2m of the unit or is an indoor antenna used close to the unit?	
The TV picture is distorted.	• Is the power supply cord or the antenna of the TV or radio close to the unit?	
,	→ Move the unit as far away from TVs, radios and antennas as possible.	

SiBE811120 Troubleshooting

7.3 Diagnosis

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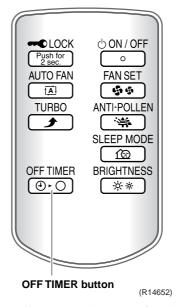
Be sure to turn off the power switch before connecting or disconnecting connectors, or parts **Caution** may be damaged.

Problem	Supposed Causes	Diagnosis
The air purifier does not operate or none of the indication lamps lights.	 The power is not turned on. Unspecified voltage is applied. The front panel is broken. (The front panel switch is broken.) The power supply PCB is defective. The control / display PCB is defective. (The front panel switch is defective.) 	<check point=""> Is the rated voltage within ±10%? Does the projection on the front panel press the safety switch properly? </check>
The remote controller sends signals erratically. (You can operate with the ON/OFF button on the main unit, but cannot with the remote controller.)	 The battery of the remote controller is exhausted. The remote controller is defective. The control / display PCB is defective. Malfunction is caused by inverter fluorescent lamps. 	<check point=""> Is the battery correct? (2.5 V or more?) Is infrared signal sent from the remote controller? (Check with an infrared checker.) </check>
The odor sensor lamp or the dust sensor lamp keeps lighting red.	 Wrong sensing (The red lamp stays on while the odor sensor or dust sensor is sensing moisture or dust in the air. This is not a failure.) The control / display PCB is defective. The dust sensor is defective. 	(Odor sensor lamp) <check point=""> 1. When the humidity is higher than 80%RH, the odor sensor detects moisture in the air. (This is not a failure.) • Locate the unit in another place. • Reset the power supply. 2. When the room is too large or open, the odor sensor is always activated due to insufficient capacity. (This is not a failure.) (Dust sensor lamp) <check point=""> 1. Clean the air inlet and the peripheral area of the dust sensor and locate the unit in another place. If the display of dust sensor lamp changes, the dust sensor detects dust in the air. (This is not a failure.)</check></check>
All the 4 airflow rate lamps blink simultaneously. The fan motor is not revved up. (The DC fan locks.)	 Foreign objects in the fan The connector is disconnected. The fan motor is defective. The power supply PCB is defective. The control / display PCB is defective. 	<check point=""> Make sure that the fan motor connector is connected. </check>
The lamp automatically changes.	The unit may be in the demo mode.The filter reset button is blocked.	The demo mode is activated when you keep holding down the filter reset button and turn on the power. <check point=""> 1. Pull out the power plug or turn the power off to cancel the demo mode.</check>

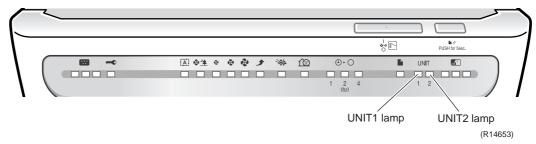
8. Wiring Check after Replacing PCBs

Check the following points after replacing the PCBs.

- Wiring check mode using the remote controller
- (1) Insert the power plug.
- (2) Press the [OFF TIMER] button within 2 seconds.



(3) If the connection is correct, all the lamps light up after about 5 seconds.



If there is any wrong connection, correct it.

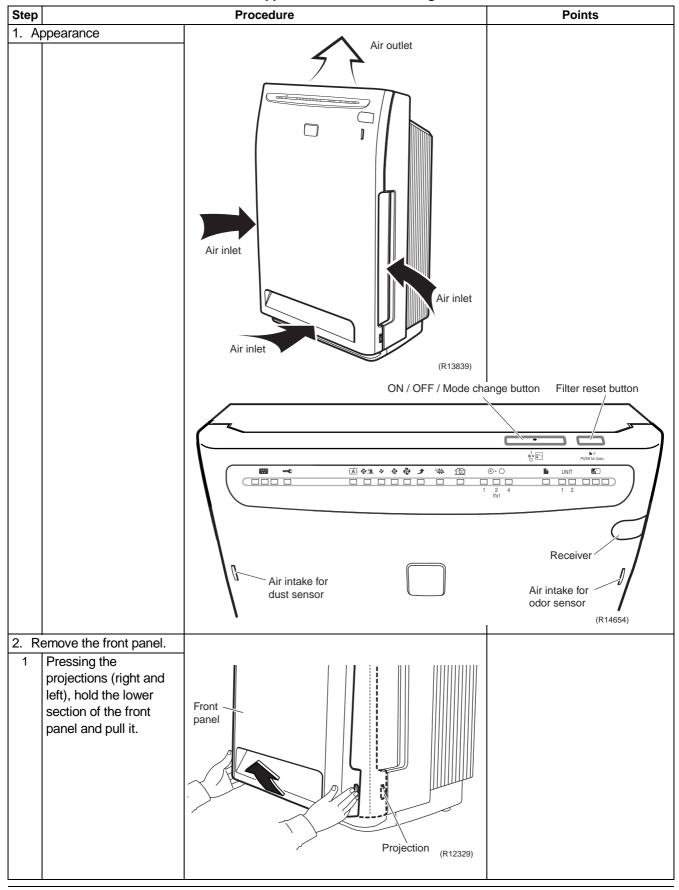
- When the UNIT1 lamp lights up, the wiring to the plasma ionizer is incorrect.
- When the UNIT2 lamp lights up, the wiring to the streamer unit is incorrect.
- When the UNIT1 and UNIT2 lamps light up at the same time, the wirings to the plasma ionizer and the streamer unit are incorrect.
- (4) Insert the power plug again, then the normal operation starts.

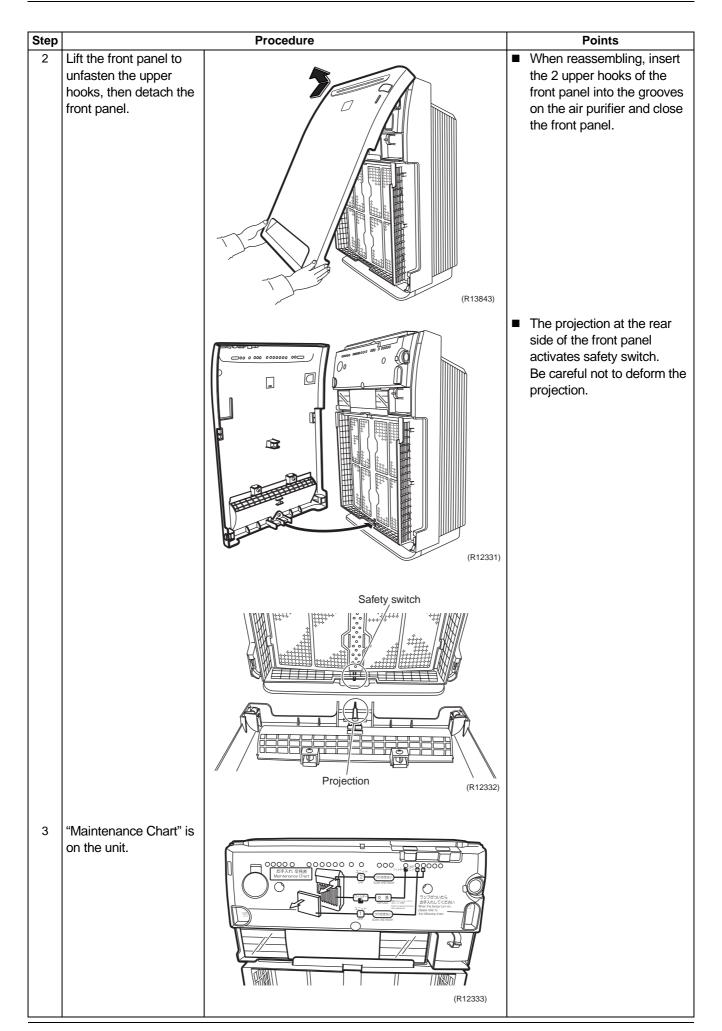
9. Removal Procedure

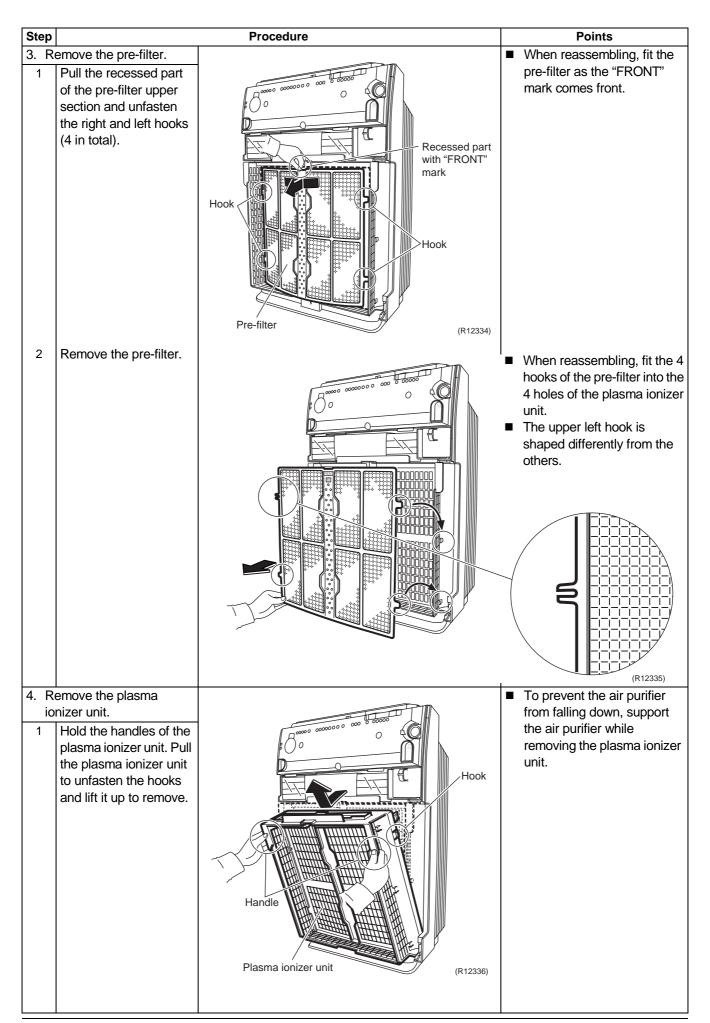
9.1 Removal of Front Panel / Filters

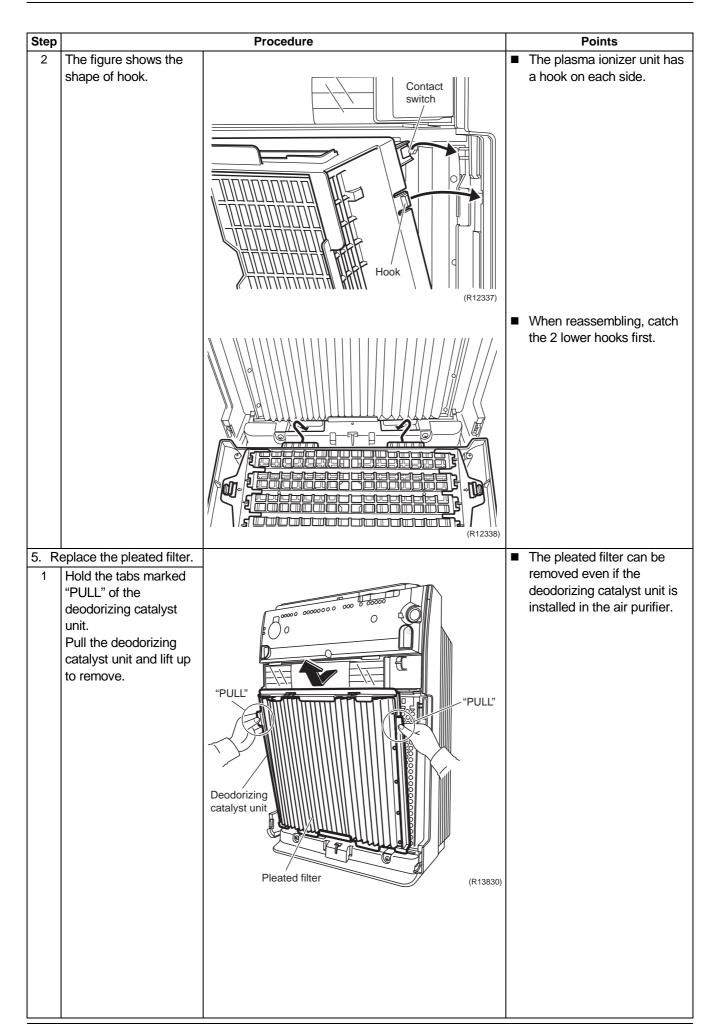
Procedure

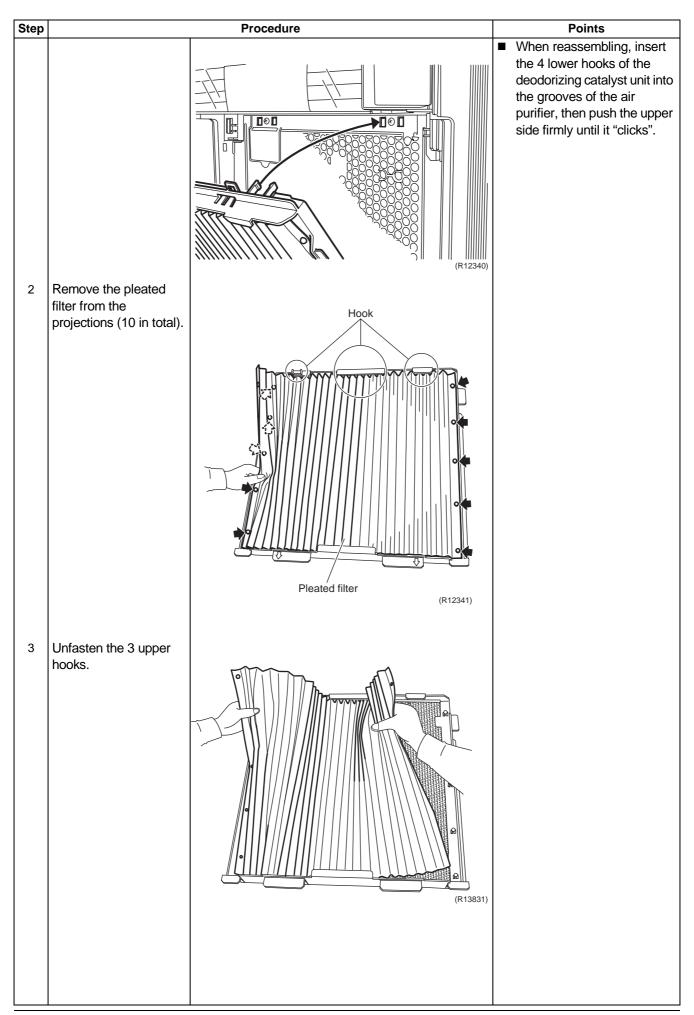
/ Warning

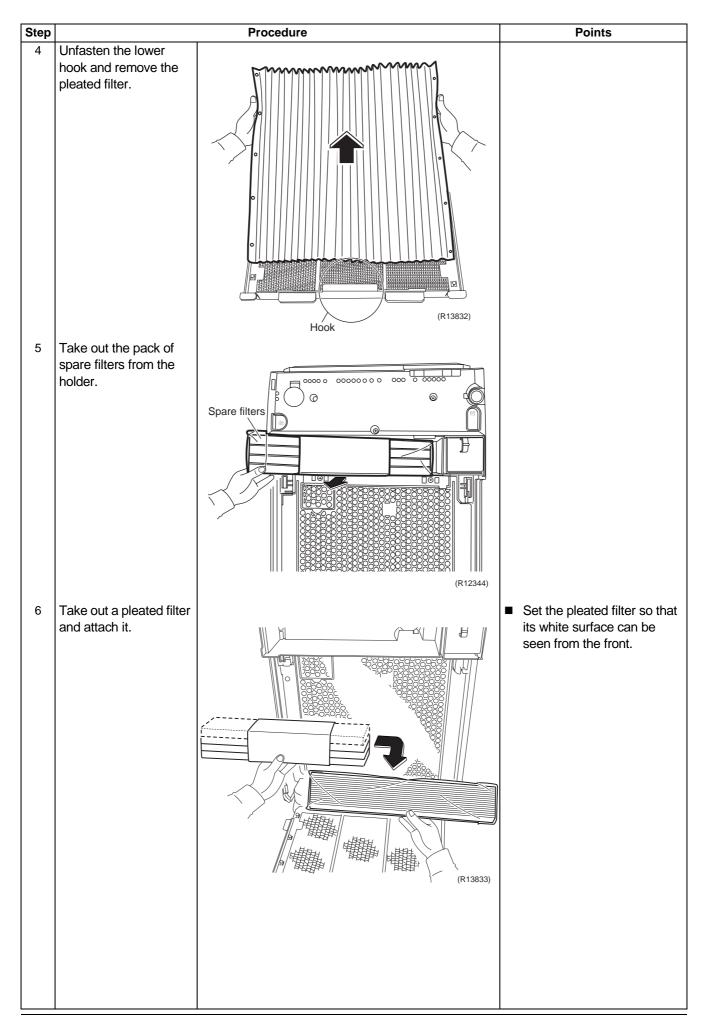


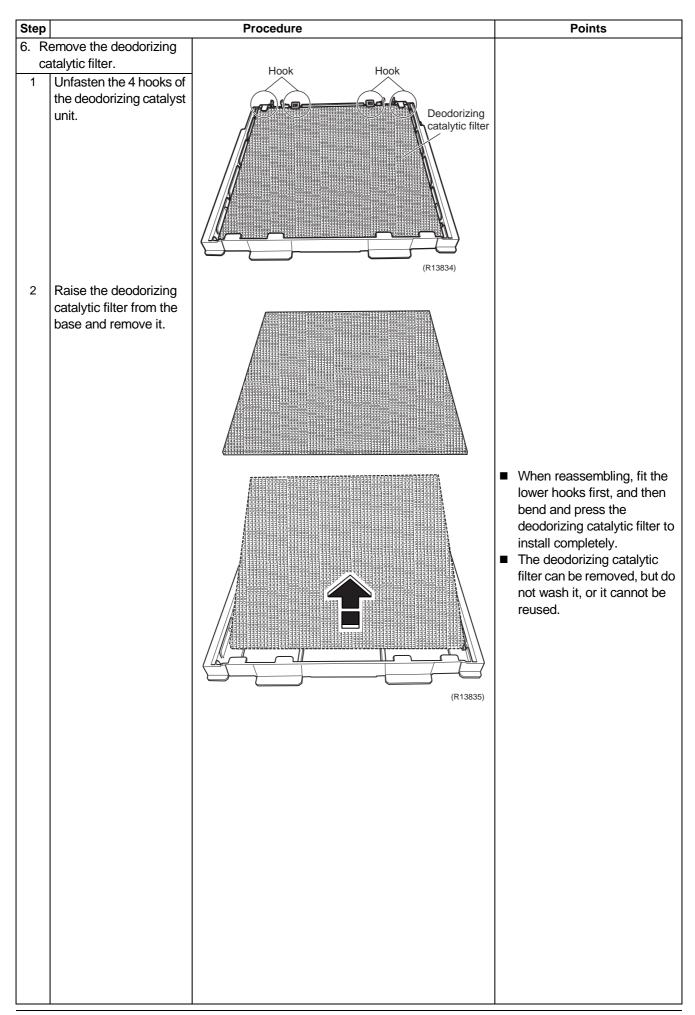


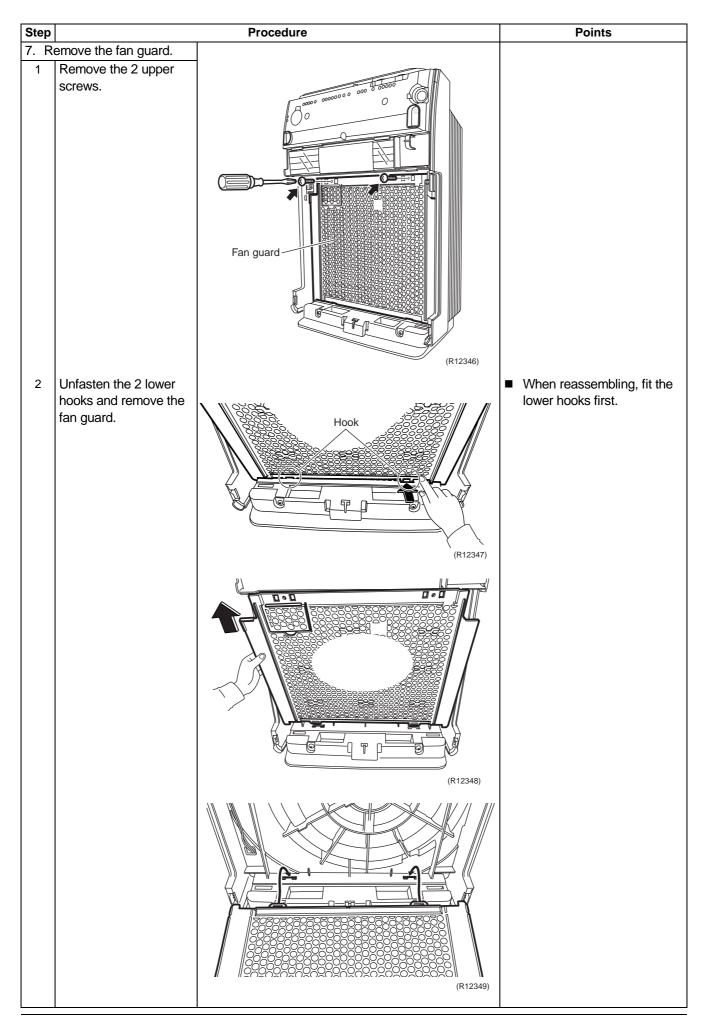








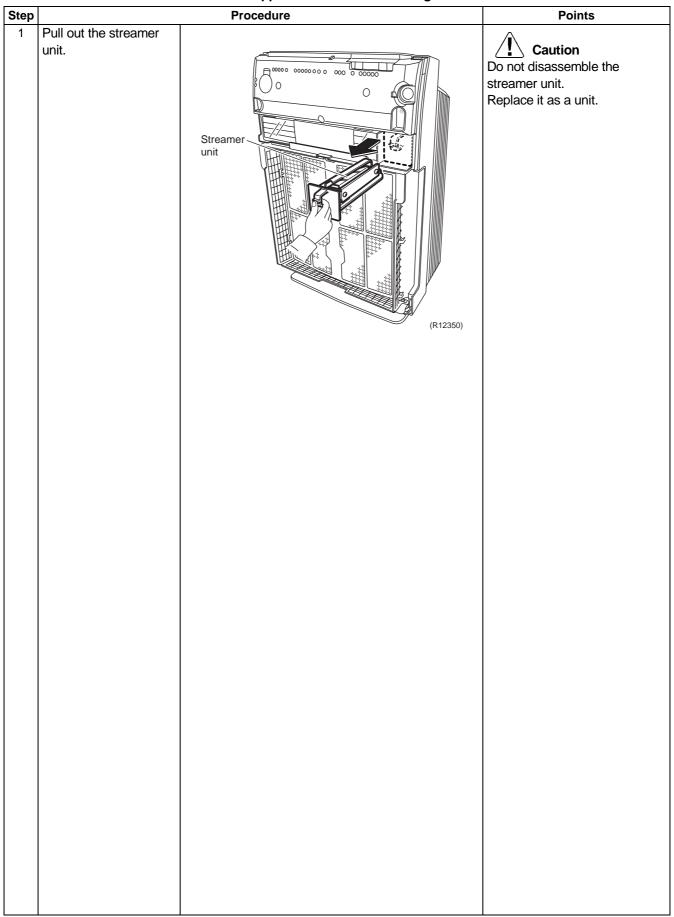




9.2 Removal of Streamer Unit

Procedure

Warning



9.3 Removal of Ionized Wire

Procedure

/ Warning

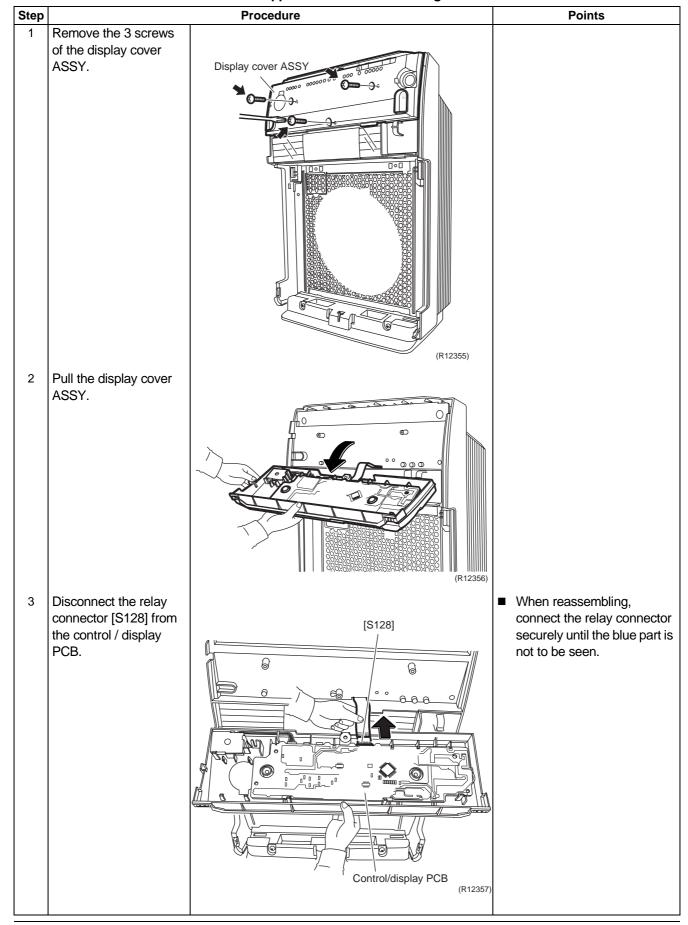
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

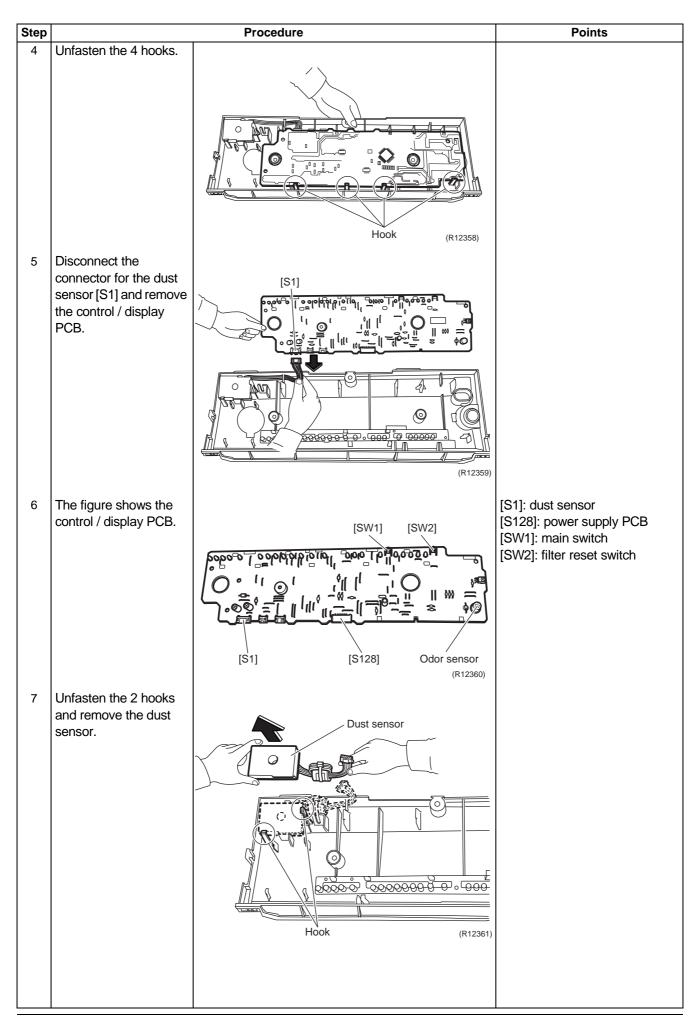
Step **Procedure Points** Unfasten the 2 hooks The opposing pole plate has and lift the opposing the same shape in 4 directions. pole plate to detach. (R12351) Opposing pole plate (R12352) 2 Pinch and detach the Caution ionized wires with Be careful not to get your hands cut by the ionized wires. pincers. ■ Once removed, the ionized wires cannot be reused. ■ When cleaning the ionized wires, do not remove them. (Refer to the Operation Manual.) Ionized wire (R12353) 3 Remove the 3 screws and remove the ionized Ionized wire Contact switch mounting frame wire mounting frame for ionized wire and contact switch. 4 Remove the 3 screws and remove the contact switch for ionized wire. Contact switch (R12354)

9.4 Removal of Control / Display PCB

Procedure

/ Warning

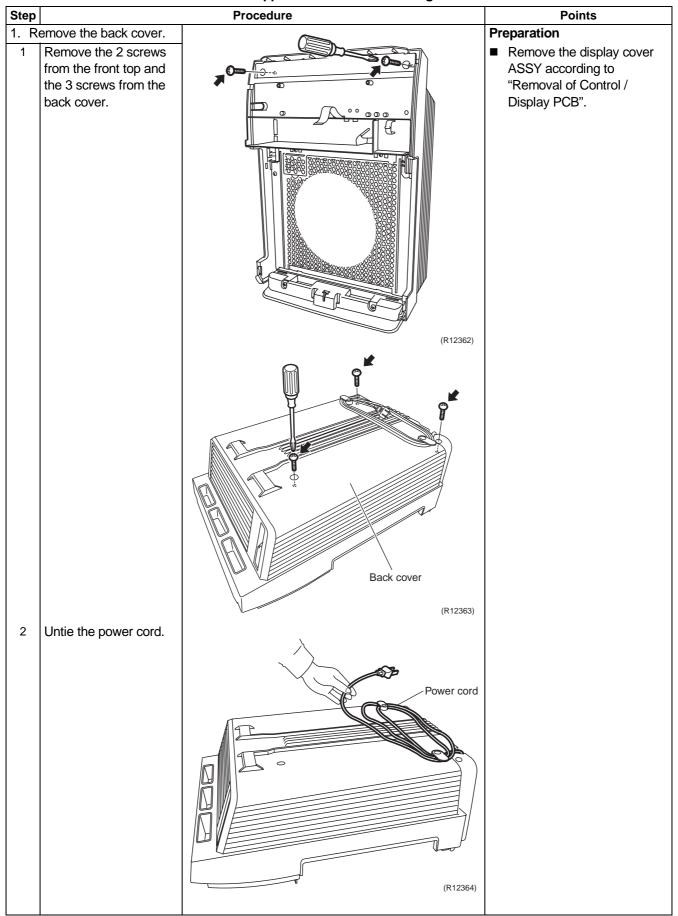


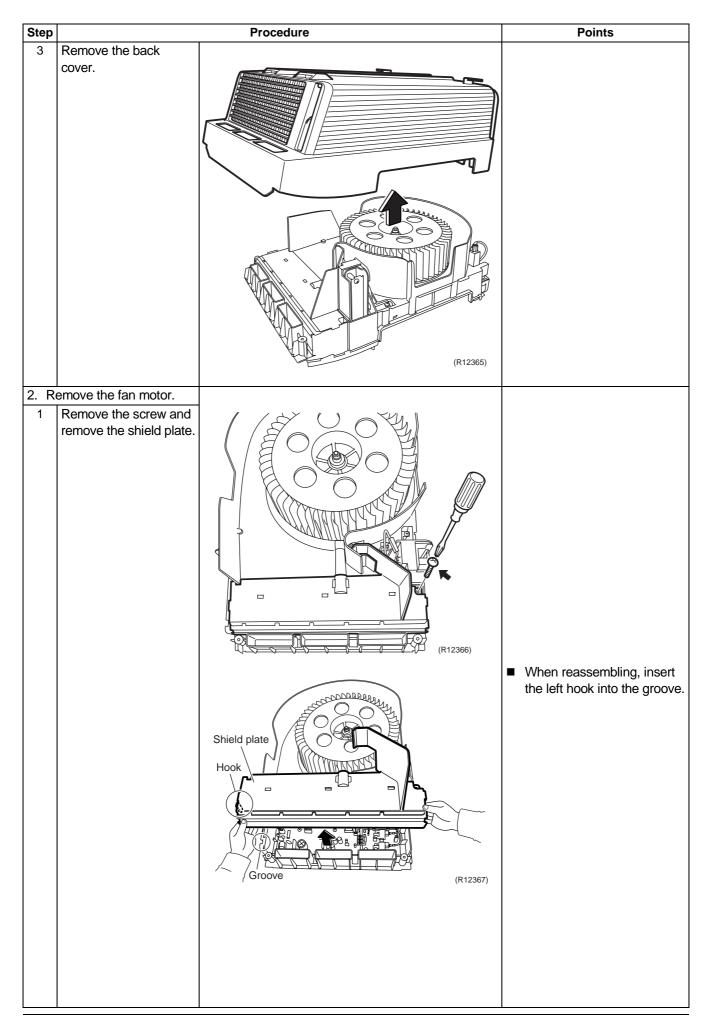


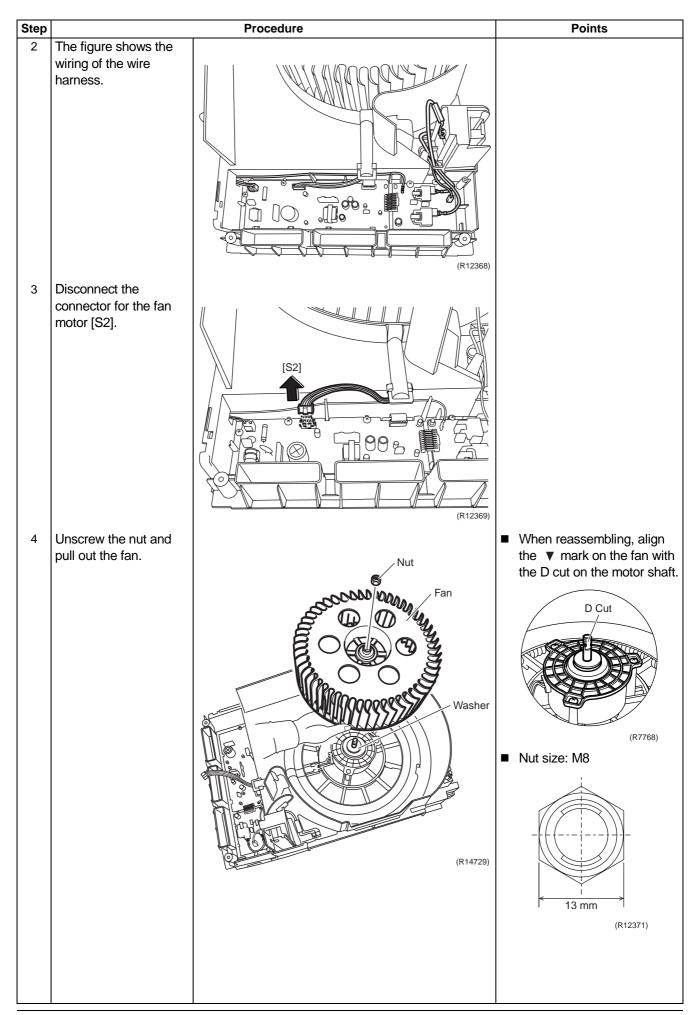
9.5 Removal of Fan Motor

Procedure

/ Warning



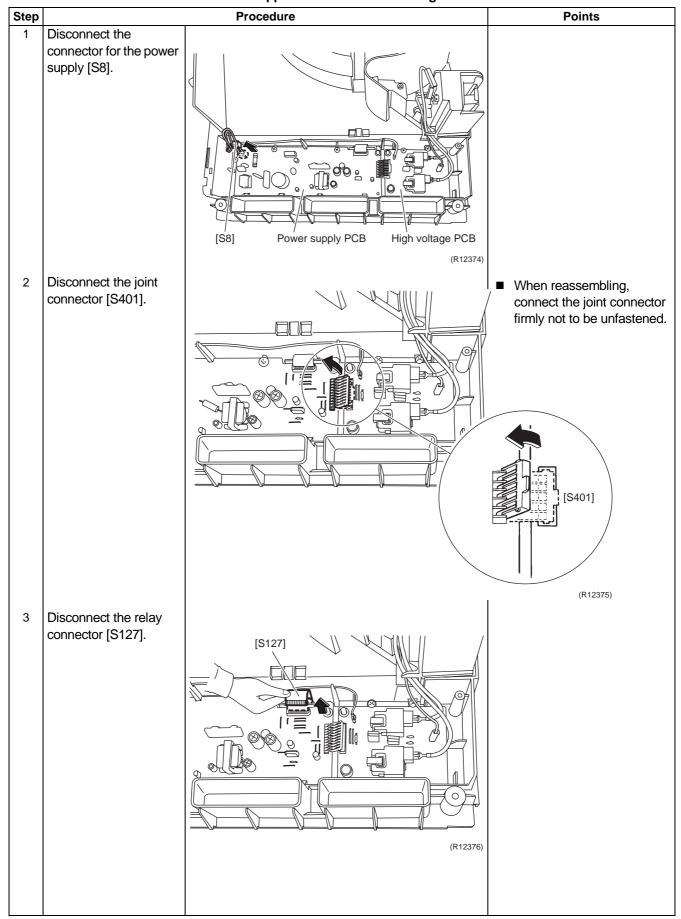


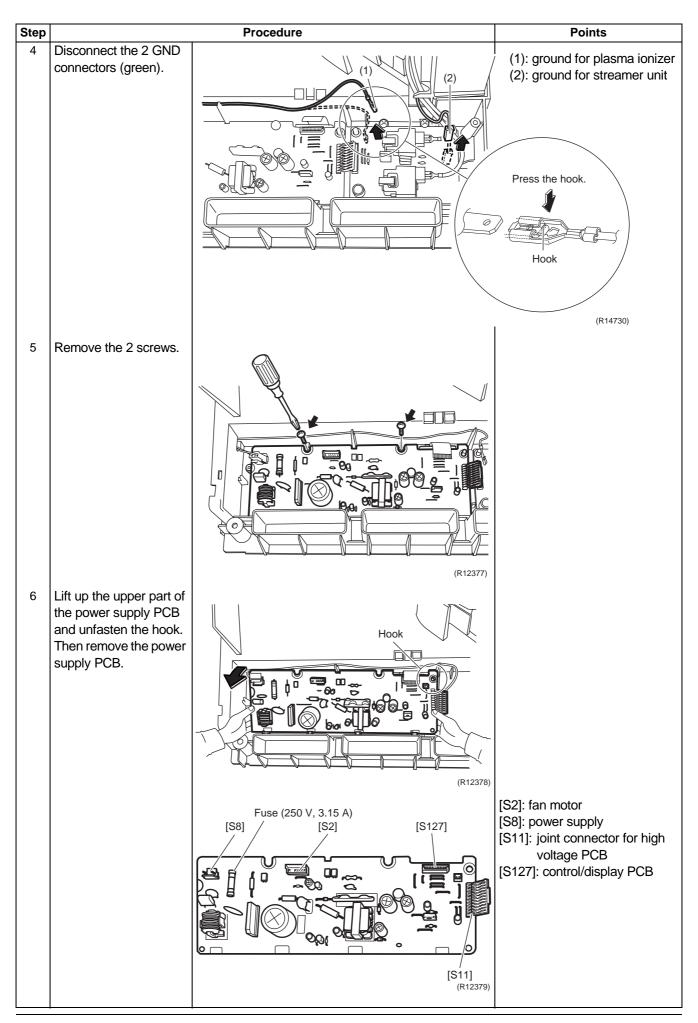


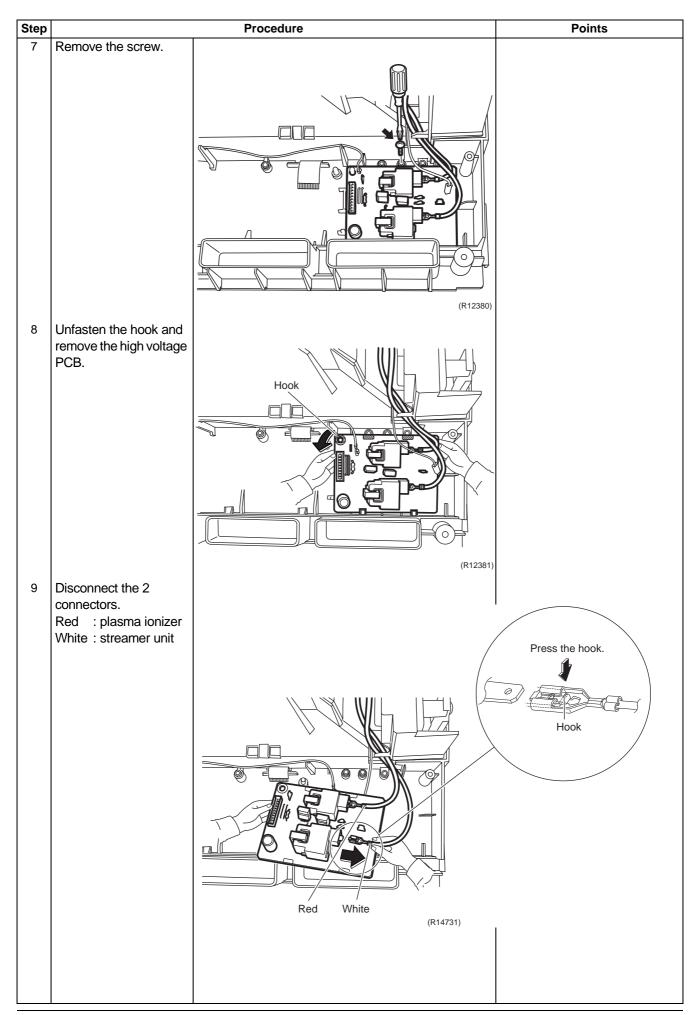
Step		Procedure		Points
5	Pull the harness			When reassembling, put the
	retainer and lift it up to remove.	Part A Harness retainer (R14655)	•	part A first in the groove, and then slide the part B along the way. Be careful not to strain nor to catch the harness at the part A.
6	Remove the 3 screws from the fixing plate and remove the fan motor.	Fan motor (R12373)		The motor and the harness are integrated together. Make sure that the washer is not left behind the fan.

9.6 Removal of Power Supply PCB / High Voltage PCB

Procedure



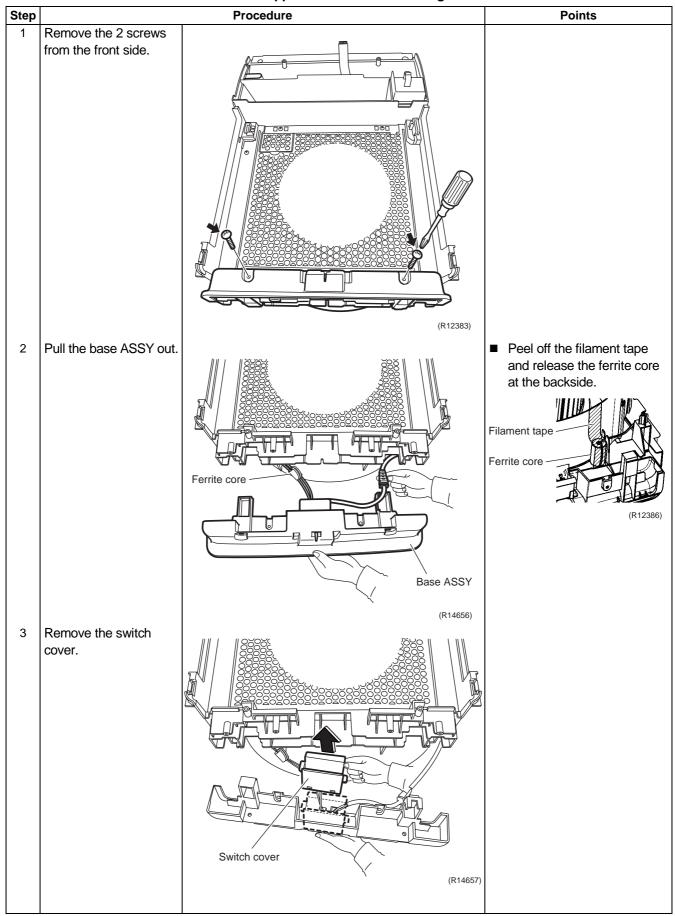


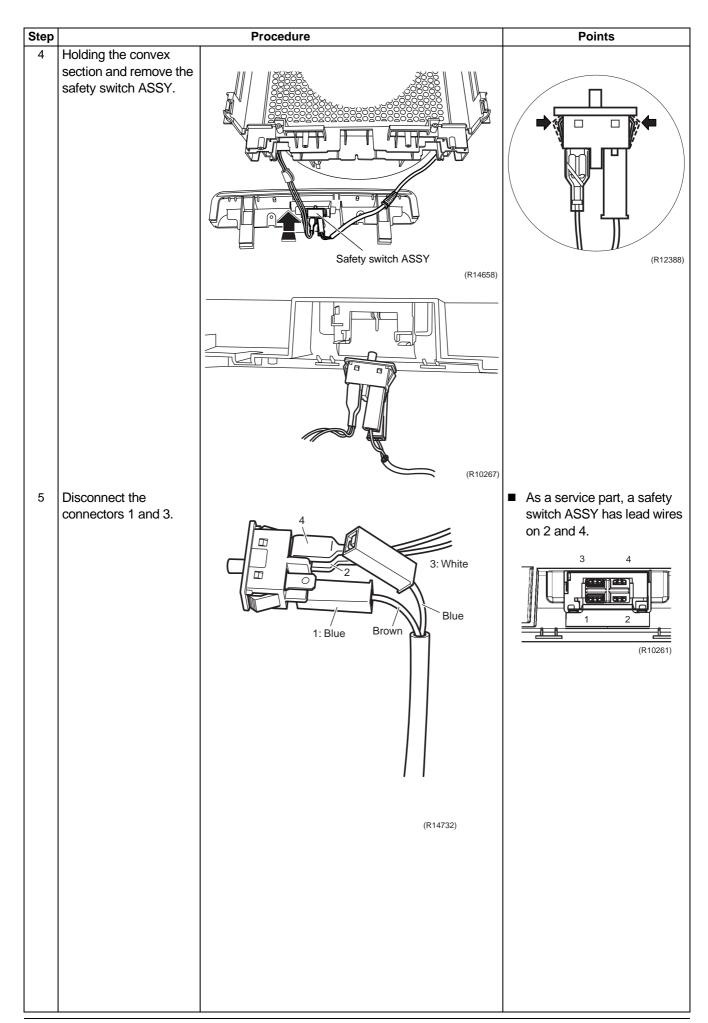


9.7 Removal of Power Cord

Procedure

/ Warning







- Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Use only those parts and accessories supplied or specified by Daikin.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.



JMI-0107

Organization: DAIKIN INDUSTRIES, LTD. AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF
COMMERCIAL AIR CONDITIONING, HEATING, COOLING,
REFRIGERATING EQUIPMENT, COMMERCIAL HEATING
EQUIPMENT, RESIDENTIAL AIR CONDITIONING
EQUIPMENT, HEAT RECLAIM VENTILATION, AIR
CLEANING EQUIPMENT, MARINE TYPE CONTAINER
REFRIGERATION UNITS, COMPRESSORS AND VALVES.



JQA-1452

Organization: DAIKIN INDUSTRIES (THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT
AND MANUFACTURE OF AIR
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COMPRESSORS USED FOR THEM



EC99J2044

All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.

Dealer

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