

SPLIT SYSTEM**Air Conditioner****MODELS**

(Floor standing type)

FVY71FV1•VAL

FVY100FV1•VAL

FVY125FV1•VAL

Thank you for purchasing this Daikin air conditioner.

Carefully read this operation manual before using the air conditioner.

It will tell you how to use the unit properly and help you if any trouble occurs.

After reading the manual, file it away for future reference.

感謝您選購DAIKIN空調機。

在使用空調機之前，請仔細閱讀本操作手冊。

本手冊說明正確操作空調機的方法，以及發生故障時的措施。

閱讀完畢以後，請將此手冊妥善保管，以備今後參照。

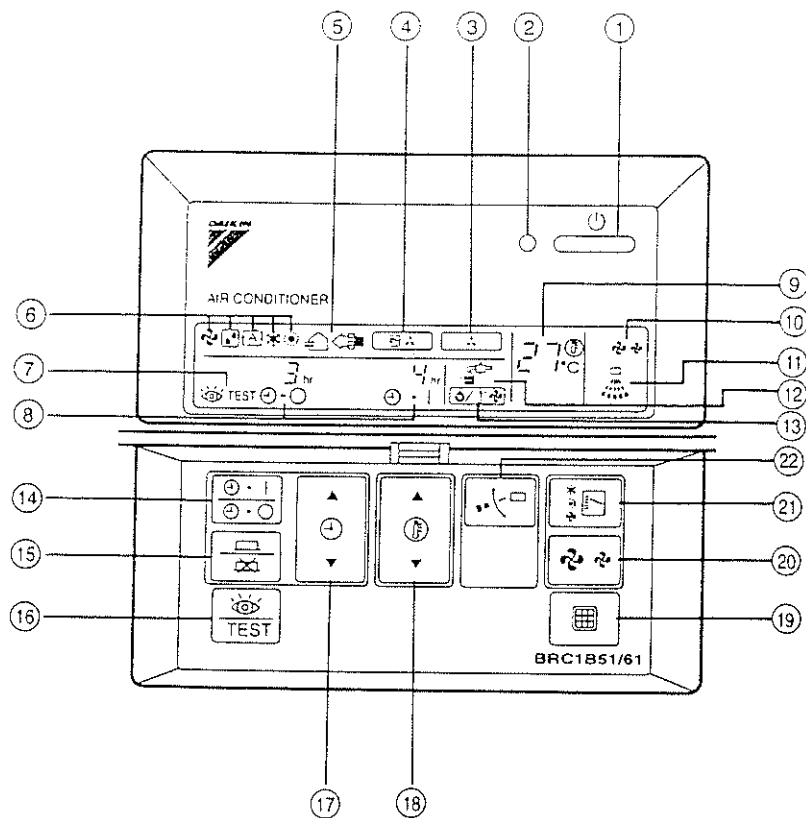
اتنا نشكرك على شراء هذا المكيف من صنع شركة دايكن.

يرجى قراءة هذا الكتيب بانتباه قبل استعمال المكيف. فهو يطلعك على كيفية استخدام الوحدة بالطريقة الصحيحة ويوفر لك إرشادات تساعدك إذا حدثت لك أي مشاكل. بعد الانتهاء من قراءة هذا الكتيب، احفظه في مكان آمن لكي تراجع كلما احتجت.

CONTROL PANEL

控制盤

لوحة التحكم



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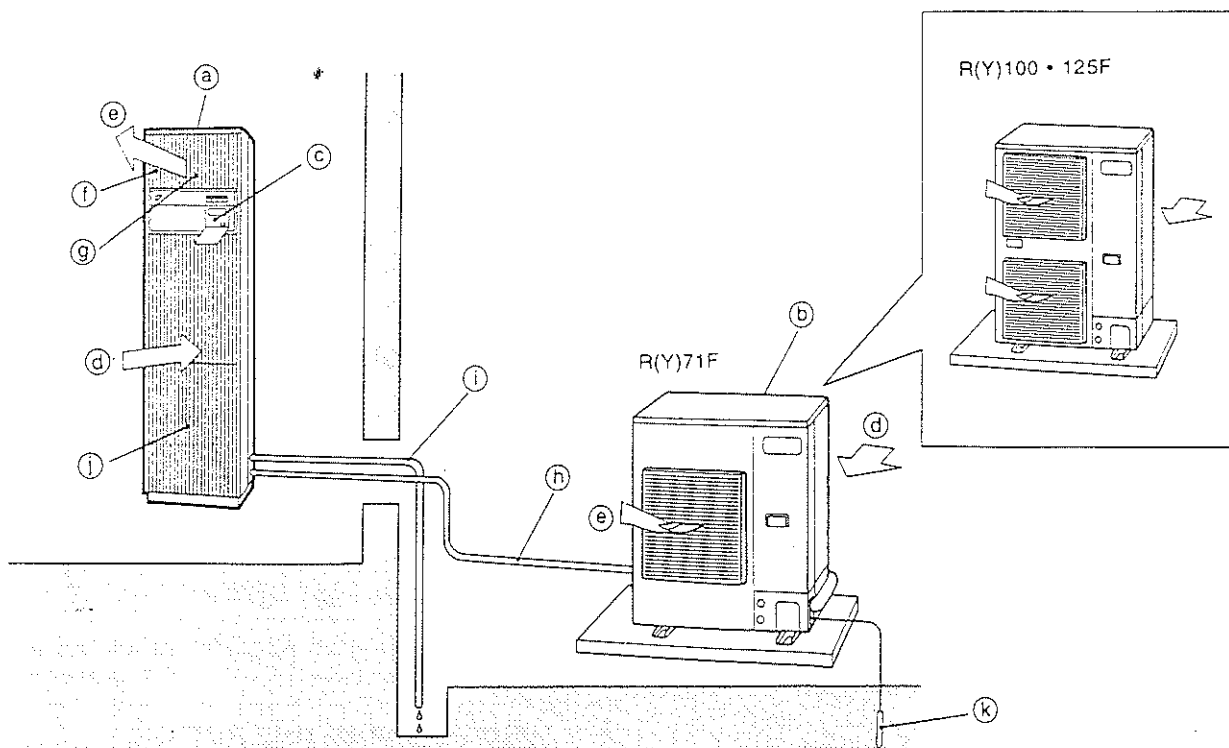
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WHAT TO DO BEFORE OPERATION

This operation manual is for the following systems with standard control. Before initiating operation, contact your Daikin dealer for the operation that corresponds to your system.

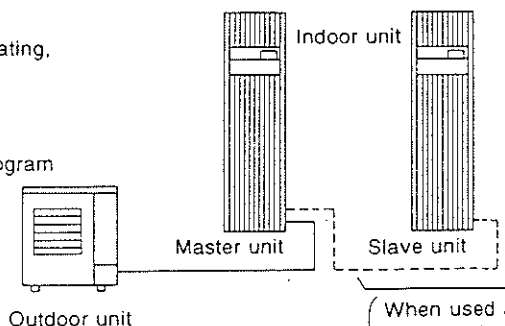
If your installation has a customized control system, ask your Daikin dealer for the operation that corresponds to your system.

■ Heat pump type

This system provides cooling, heating, automatic, program dry, and fan operation modes.

■ Straight cooling type

This system provides cooling, program dry, and fan operation modes.





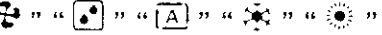



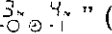






(When used as simultaneous operation system)
All operation is controlled by the master unit.
Slave unit operation is therefore ineffective.

Names and functions of parts

(a)	Indoor unit	(b)	Outdoor unit	(c)	Control panel
(d)	Inlet air	(e)	Discharged air	(f)	Air outlet
(g)	Blade (at air outlet)	(h)	Refrigerant piping, connection electric wire	(i)	Drain pipe
(j)	Air inlet	The built-in air filter removes dust and dirt.			
(k)	Ground wire	Wire to ground from the outdoor unit to prevent electrical shocks.			

NAME AND FUNCTION OF EACH SWITCH AND DISPLAY ON THE CONTROL PANEL (Fig. 1)

<p>① ON/OFF BUTTON</p> <p>Press the button and the system will start. Press the button again and the system will stop.</p>	<p>⑬ DISPLAY “” (DEFROST)</p> <p>Refer to page 8.</p>
<p>② OPERATION LAMP (RED)</p> <p>The lamp lights up during operation.</p>	<p>⑭ TIMER MODE START/STOP BUTTON</p> <p>Refer to page 9.</p>
<p>③ DISPLAY “” (UNDER CENTRALIZED CONTROL)</p> <p>When this display shows, the system is UNDER CENTRALIZED CONTROL. (This is not a standard specification.)</p>	<p>⑮ TIMER ON/OFF BUTTON</p> <p>Refer to page 9.</p>
<p>④ DISPLAY “” (CHANGEOVER UNDER CONTROL)</p> <p>This display shows when the outdoor unit is individual operation system.</p>	<p>⑯ INSPECTION/TEST OPERATION BUTTON</p> <p>This button is used only by qualified service persons for maintenance purposes.</p>
<p>⑤ DISPLAY “” (VENTILATION/AIR CLEANING)</p> <p>This display shows that the total heat exchange and the air cleaning unit are in operation. (These are optional accessories).</p>	<p>⑰ PROGRAMMING TIME BUTTON</p> <p>Use this button for programming “START and/or STOP” time.</p>
<p>⑥ DISPLAY “” (OPERATION MODE)</p> <p>This display shows the current OPERATION MODE. For straight cooling type, “” (Auto) and “” (Heating) are not installed.</p>	<p>⑱ TEMPERATURE SETTING BUTTON</p> <p>Use this button for SETTING TEMPERATURE.</p>
<p>⑦ DISPLAY “ TEST” (INSPECTION/TEST OPERATION)</p> <p>When the INSPECTION/TEST OPERATION BUTTON is pressed, the display shows the system mode is in.</p>	<p>⑲ FILTER SIGN RESET BUTTON</p> <p>Refer to page 13.</p>
<p>⑧ DISPLAY “” (PROGRAMMED TIME)</p> <p>This display shows PROGRAMMED TIME of the system start or stop.</p>	<p>⑳ FAN SPEED CONTROL BUTTON</p> <p>Press this button to select the fan speed, HIGH or LOW, of your choice.</p>
<p>⑨ DISPLAY “” (SET TEMPERATURE)</p> <p>This display shows the set temperature.</p>	<p>㉑ OPERATION MODE SELECTOR BUTTON</p> <p>Press this button to select OPERATION MODE.</p>
<p>⑩ DISPLAY “” (FAN SPEED)</p> <p>The display shows the set fan speed.</p>	<p>㉒ AIR FLOW DIRECTION ADJUST BUTTON</p> <p>Refer to p. 9.</p>
<p>⑪ DISPLAY “” (AIR FLOW BLADE)</p> <p>Refer to page 9.</p>	<p>For the sake of explanation, all indications are shown on the display in Figure 1 contrary to actual running situations.</p>
<p>⑫ DISPLAY “” (TIME TO CLEAN AIR FILTER)</p> <p>Refer to page 13.</p>	

WARNING

NEVER DO THE FOLLOWING

- Never let the indoor unit and the remote controller get wet.
It may cause an electric shock or a fire.
- Never use flammable spray such as hair spray, lacquer or paint near the unit.
It may cause a fire.
- Never touch the blades while the swing flap is in operation.
Fingers may become caught or the unit may break down.
- Never replace a fuse with that of a wrong ampere rating or other wires when the fuse blows out.
Use of wire or copper wire may cause the unit to break down or cause a fire.
- Never insert objects such as sticks into the air inlet or outlet.
It is dangerous for an object to touch the fan when it is turning at high speed.
- Never remove the fan guard of the outdoor unit.
The rotating fan at high speed without the guard is very dangerous.
- Never press the buttons of the control panel with a hard, pointed object.
Doing so may damage the buttons.
- Never pull or twist the remote controller wire when installing the indoor unit and the remote controller separately.
Doing so could damage the equipment.
- Never inspect or service the unit by yourself.
Ask a qualified service person to perform this work.

INSTALLATION SITE

CONFIRM THE FOLLOWING

- Never place anything under the indoor unit that you don't want to get wet.
The unit may sweat when the humidity is over 80% or when the drain outlet is clogged.
- Never place other heating equipment directly beneath the indoor unit.
Subject to deformation caused by heat.
- Do not place TV, radio, stereo, etc. within 1 meter from the indoor unit and remote controller.
Doing so may cause interference in the picture or sound.

OPERATION PROCEDURE

- Operating procedure varies with heat pump type and straight cooling type. Contact your Daikin dealer to confirm your system type.
- To protect the unit, turn on the main power switch 6 hours before operation.
- If the main power supply is turned off during operation, operation will restart automatically after the power turns back on again.

COOLING, HEATING, AUTOMATIC, AND FAN OPERATION (Fig. 2)

- 1 Press OPERATION MODE SELECTOR button several times and select the OPERATION MODE of your choice as follows.

COOLING OPERATION "❄️"
 HEATING OPERATION "☀️"
 AUTOMATIC OPERATION "A"
 FAN OPERATION "🌀".

- For straight cooling type, you can select "cooling" and "fan" operation.

AUTOMATIC OPERATION

In this operation mode, COOL/HEAT changeover is automatically conducted.

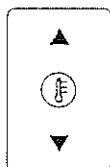
- 2 Press ON/OFF button

OPERATION lamp lights up and the system starts OPERATION.

Adjustment

For programming TEMPERATURE, FAN SPEED and AIR FLOW DIRECTION, follow the procedure shown below.

- 3 Press TEMPERATURE SETTING button and program the setting temperature.



Each time this button is pressed, setting temperature rises 1°C.

Each time this button is pressed, setting temperature lowers 1°C.

- The setting is impossible for fan operation.

NOTE: The setting temperature range of the control panel is 16°C - 32°C.

- 4 Press FAN SPEED CONTROL button.

High or Low fan speed can be selected.

- 5 Press AIR FLOW DIRECTION ADJUST button

Refer to "ADJUSTING THE AIR FLOW DIRECTION" (p. 9) for details.

STOPPING THE SYSTEM

- 6 Press ON/OFF button once again.

OPERATION lamp goes off, and the system stops OPERATION.

EXPLANATION OF HEATING OPERATION

DEFROST OPERATION

- As the frost on the coil of an outdoor unit increase, heating effect decreases and the system goes into DEFROST OPERATION.
- The indoor unit fan stops and the control panel display shows "❄️/🌀".
- After 6 to 8 minutes (maximum 10 minutes) of DEFROST OPERATION, the system returns to HEATING OPERATION.

PROGRAM DRY OPERATION (Fig. 3)

- The function of this program is to decrease the humidity in your room with the minimum temperature decrease.
- Micro computer automatically determines TEMPERATURE and FAN SPEED.
- This system does not go into operation if the room temperature is below 16°C.

- 1 Press OPERATION MODE SELECTOR button several times and select "❄️" (PROGRAM DRY OPERATION)

- 2 Press ON/OFF button

OPERATION lamp lights up and the system starts OPERATION.

Adjustment

- 3 Press AIR FLOW DIRECTION ADJUST button.

Refer to "ADJUSTING THE AIR FLOW DIRECTION" (p. 9) for details.

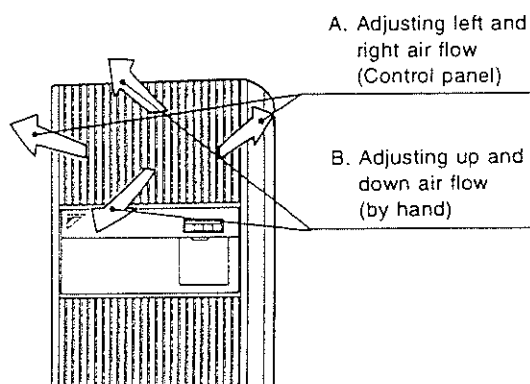
STOPPING THE SYSTEM

- 4 Press ON/OFF button again.

* OPERATION lamp goes off and the system stops OPERATION.

ADJUSTING THE AIR FLOW DIRECTION (Fig. 4)

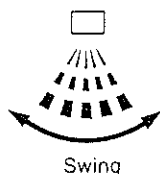
There are two ways in adjusting the air flow direction.



A. Adjusting left and right air flow

- 1 Press the AIR FLOW DIRECTION ADJUST button to select the air direction as shown below.

The AIR FLOW BLADE display swings as shown below and the air flow direction continuously varies. (Automatic swing setting)

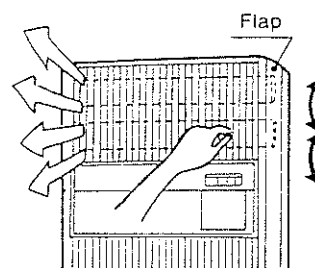


Press AIR FLOW DIRECTION ADJUST button to select the air direction of your choice.

The AIR FLOW BLADE display stops swinging and the air flow direction is fixed. (Fixed air flow direction setting)



B. Adjusting up and down air flow



Adjust the flap knobs inside the air discharge with your hands.

Adjust the flaps slightly upward when cooling, and slightly downward when heating.

PROGRAM TIMER OPERATION (Fig. 5)

- The timer is operated in the following two ways.
Programming the stop time (⌚ - ○) The system stops operating after the set time has elapsed.
Programming the start time (⌚ - |) The system starts operating after the set time has elapsed.
- The timer can be programmed a maximum of 72 hours.
- The start and the stop time can be simultaneously programmed.

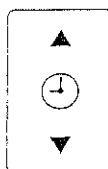
- 1 Press the TIMER MODE START/STOP button several times and select the mode on the display.

The display flashes.

For setting the timer stop " ⌚ - ○ "

For setting the timer start ... " ⌚ - | "

- 2 Press the PROGRAMMING TIME button and set the time for stopping or starting the system.



When this button is pressed, the time advances by 1 hour.



When this button is pressed, the time goes backward by 1 hour.

- 3 Press the TIMER ON/OFF button.

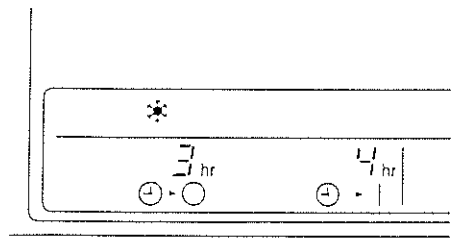
The timer setting procedure ends.

The display " ⌚ - ○ " or " ⌚ - | " changes from flashing light to a constant light. *

NOTE:

- When setting the timer Off and On at the same time, repeat the above procedure from  to  once again.

For example:



When the timer is programmed to stop the system after 3 hours and start the system after 4 hours, the system will stop after 3 hours and then 1 hour later the system will start.

- After the timer is programmed, the display shows the remaining time.
- Press the TIMER ON/OFF button once again to cancel programming. The display vanishes.

PRECAUTIONS FOR GROUP CONTROL SYSTEM OR TWO REMOTE CONTROLLER CONTROL SYSTEM

This system provides two other control systems beside individual control (one remote controller controls one indoor unit) system. Confirm the following if your unit is of the following control system type.

■ Group control system

One remote controller controls up to 16 indoor units.
All indoor units are equally set.

■ Two remote controller control system


Two remote controllers control one indoor unit (In case of group control system, one group of indoor units)
The unit is individually operated.

NOTE:

Contact your Daikin dealer in case of changing the combination or setting of group control and two remote controller control systems.

OPTIMUM OPERATION

Observe the following precautions to ensure the system operates properly.

- Adjust the air outlet properly and avoid direct air flow to room inhabitants.
- Adjust the room temperature properly for a comfortable environment. Avoid excessive heating or cooling.
- Prevent direct sunlight from entering a room during cooling operation by using curtains or blinds.
- Keep doors and windows closed. If the doors and windows remain open, room air will flow out and decrease the effect of cooling and heating.
- Never place objects near the air inlet and the air outlet of the unit. It may retard effectiveness or cause operation to stop.
- Turn off the main power supply switch when not using for long periods of time. Electricity is consumed as long as the switch is on. Turn off the main power supply switch in order to save energy. Turn on the main power supply switch 6 hours before restarting operation in order to ensure smooth operation. (Refer to p. 13 for MAINTENANCE)
- When the display shows "  " (TIME TO CLEAN AIR FILTER), have a qualified service person to clean the filters. (Refer to p. 13 for MAINTENANCE)

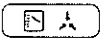
NOT MALFUNCTION OF THE AIR CONDITIONER

The following symptoms do not indicate air conditioner malfunction

I. THE SYSTEM DOES NOT OPERATE

- The system does not restart immediately after the ON/OFF button is pressed.
If the OPERATION lamp lights, the system is in its normal operating condition.
It does not restart immediately because one of its safety device actuates to prevent the system from being overloaded. The system will turn on again automatically after the passage of three minutes.

- The system does not restart immediately when the TEMPERATURE SETTING button is returned to its former position after pushing.
It does not restart immediately because one of its safety devices actuates to prevent the system from being overloaded. The system will turn on again automatically after the passage of three minutes.

- The system does not start when the display shows "  " (UNDER CENTRALIZED CONTROL) and it flashes for few seconds after pressing an operation button.

This is because the system is under centralized control. When the display flashes, it indicates that the system cannot be controlled by the indoor unit.

- The system does not start immediately after the power supply is turned on.
Wait one minute until the micro computer is prepared for operation.

II. WHITE MIST COMES OUT OF A UNIT

- When humidity is high during cooling operation (In oily or dusty places)
If the inside of an indoor unit is extremely contaminated, the temperature distribution inside a room becomes uneven. It is necessary to clean the inside of the indoor unit. Ask your Daikin dealer for details on cleaning the unit. This operation requires a qualified service person.
- When the system is changed over to HEATING OPERATION after DEFROST OPERATION.
Moisture generated by DEFROST becomes steam and exists.

III. NOISE OF AIR CONDITIONERS

- A continuous low "hissing" sound is heard when the systems is in COOLING or DEFROST OPERATION mode.
This is the sound of refrigerant gas flowing through both indoor and outdoor units.
- The "hissing" sound which is heard at the start or immediately after the stop of operation or which is heard at the start or immediately after the stop of DEFROST OPERATION.
This is the noise of refrigerant caused by flow stop and flow change.
- A continuous low "swishing" sound is heard when the system is in COOLING OPERATION or at a stop.
The noise is heard when the drain pump is in operation.
- A "squeaking" sound is heard when the system is in operation or after the stop of operation.
Expansion and contraction of plastic parts caused by temperature change make this noise.

IV. DUST FROM THE UNITS

- Dust may blow out from the unit after starting operation from long resting time.
Dust absorbed by the unit blows out.

V. THE UNITS GIVE OFF ODORS

The unit absorbs the smell of rooms, furniture, cigarettes, etc., and then emits them.

VI. THE LIQUID CRYSTAL OF THE CONTROL PANEL SHOW " 88 "

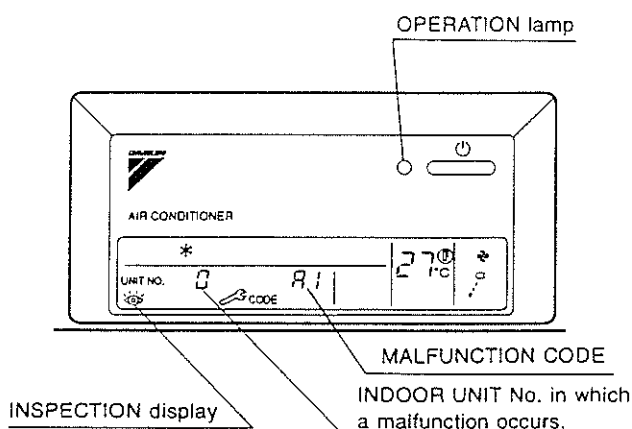
- Happens immediately after the main power supply switch is turned on.
Shows that the remote controller is in normal condition. Continues temporarily.

TROUBLE SHOOTING

I. If one of the following malfunctions occurs, take the measures shown below and contact your Daikin dealer.

The system must be repaired by a qualified service person.

- If a safety device such as a fuse, a breaker, or an earth leakage breaker frequently actuates, or ON/OFF switch does not properly work.
Measure: Turn off the main power switch
- If water leaks from unit.
Measure: Stop the operation.
- If the display " " (INSPECTION), "UNIT No.", and the OPERATION lamp flash and the " MALFUNCTION CODE" appears.



Measure: Notify your Daikin dealer and inform him/her of the display.

II. If the system does not properly operate except for the above mentioned case, and none of the above mentioned malfunctions is evident, investigate the system according to the following procedures.

1) If the system does not operate at all.

- Check if there is a power failure.
Wait until power is restored. If power failure occurs during operation, the system automatically restarts immediately after the power supply recovers.
- Check if the fuse has blown or breaker has been tripped. Change the fuse or set the breaker.

2) If the system stops operating after operation is complete.

- Check if the air inlet or outlet of outdoor or indoor unit is blocked by obstacles.
Remove the obstacle and make it well-ventilated.
- Check if the air filter is clogged.

Ask a qualified service person to clean the air filters.
(Refer to p. 13)

3) The system operates but it does not sufficiently cool or heat.


- If the air inlet or outlet of the indoor or the outdoor unit is blocked with obstacles.
Remove the obstacle and make it well-ventilated.
- If the air filter is clogged.
Ask a qualified service person to clean the air filters.
(Refer to p. 13)
- If the set temperature is not proper. (Refer to p. 8)
- If the FAN SPEED CONTROL button is set to LOW SPEED. (Refer to p. 8)
- If the air flow angle is not proper. (Refer to p. 9)
- If the doors or the windows are open. Shut doors or windows to prevent wind from coming in.
- If direct sunlight enters the room.
(when cooling)
Use curtains or blinds.
- When there are too many occupants in the room.
Cooling effect decreases if heat gain of the room is too large.
- If the heat source of the room is excessive.
(when cooling)
Cooling effect decreases if heat gain of the room is too large.

MAINTENANCE

IMPORTANT!

- ONLY A QUALIFIED SERVICE PERSON IS ALLOWED TO PERFORM MAINTENANCE
- BEFORE OBTAINING ACCESS TO TERMINAL DEVICES, ALL POWER SUPPLY CIRCUITS MUST BE INTERRUPTED
- DO NOT USE WATER OR AIR OF 50°C OR HIGHER FOR CLEANING AIR FILTERS AND OUTSIDE PANELS

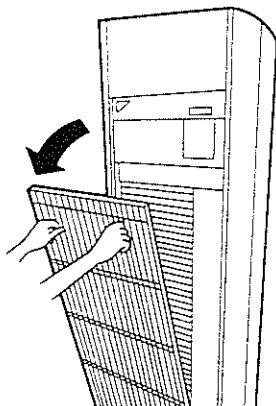
HOW TO CLEAN THE AIR FILTER

Clean the air filter when the display shows "  " (TIME TO CLEAN AIR FILTER)

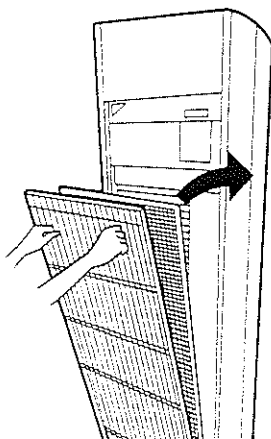
Increase the frequency of cleaning if the unit is installed in a room where the air is extremely contaminated.

1. Open the suction grille.



Slide the air filter forward.



2. Remove the air filters



3. Clean the air filter.

Use vacuum cleaner () or wash the air filter with water ().

- (A) Using a vacuum cleaner



- (B) Washing with water

When the air filter is very dirty, use soft brush and neutral detergent.



Remove water and dry in the shade.

4. Fix the air filter

Refer to item No. 2.

5. Shut the air inlet grille.

Refer to item No.1.

6. After turning on the power, press FILTER SIGN RESET button.

The "TIME TO CLEAN AIR FILTER" display goes off.

HOW TO CLEAN AIR OUTLET AND OUTSIDE PANELS

- Clean with soft cloth
- When it is difficult to remove stains, use water or neutral detergent.

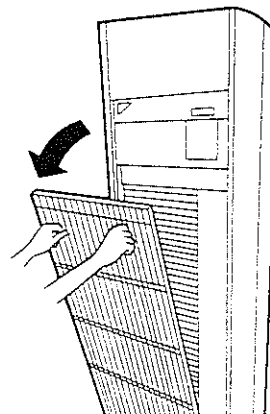
NOTE

- Do not use gasoline, benzene, thinner, polishing powder, liquid insecticide. It may cause discoloring or warping.
- Do not let the indoor unit get wet. It may cause an electric shock or a fire.

HOW TO CLEAN THE SUCTION GRILLE

1. Open the suction grille.

Pull the knobs forward.



2. Detach the suction grille.

3. Clean the suction grille.

Wash with a soft bristle brush and neutral detergent or water, and dry thoroughly.



4. Reattach the suction grille.

5. Close the suction grille.

Refer to item No. 1.

START UP AFTER A LONG STOP

Confirm the following

- Check that the air inlet and outlet are not blocked.

Remove any obstacle.

- Check if the earth is connected.

Clean the air filter and outside panels

- After cleaning the air filter, make sure to reattach it.

Turn on the main power supply switch

- The control panel display lights when the power is turned on.
- To protect the unit, turn on the main power switch at least 6 hours before operation.

WHAT TO DO WHEN STOPPING THE SYSTEM FOR A LONG PERIOD

Turn on FAN OPERATION for a half day and dry the unit.

- Refer to page 8 for "FAN OPERATION".

Cut off the power supply.

- When the main power switch is turned on, some wattage is being consumed even if the system is not operating.
- The remote controller display goes off when the main power switch is turned off.