

INVERTER ROOM AIR CONDITIONER OPERATION MANUAL

AS102ALAJA
AU102ACAHA
(HSU-10HQ03(B))

AS102AMAKA
AU102ACAHA
(HSU-10HX03(B))

AS112BLAJA
AU182BFAHA
(H2SM-18HQ03(B))

AS112BMALA
AU182BFAHA
(H2SM-18HX03(B))

AS112BMAKA
AS142BYAIA
AU212BGAIA
(H2SM-21HX03(B))

- Please read this operation manual before using the air conditioner.

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Cautions

Disposal of the old air conditioner

Before disposing an old air conditioner that goes out of use, please make sure it's inoperative and safe. Unplug the air conditioner in order to avoid the risk of child entrapment.

It must be noticed that air conditioner system contains refrigerants, which require specialized waste disposal. The valuable materials contained in a air conditioner can be recycled. Contact your local waste disposal center for proper disposal of an old air conditioner and contact your local authority or your dealer if you have any question. Please ensure that the pipework of your air conditioner does not get damaged prior to being picked up by the relevant waste disposal center, and contribute to environmental awareness by insisting on an appropriate, anti-pollution method of disposal.

Disposal of the packaging of your new air conditioner

All the packaging materials employed in the package of your new air conditioner may be disposed without any danger to the environment.

The cardboard box may be broken or cut into smaller pieces and given to a waste paper disposal service. The wrapping bag made of polyethylene and the polyethylene foam pads contain no fluorochloric hydrocarbon.

All these valuable materials may be taken to a waste collecting center and used again after adequate recycling.

Consult your local authorities for the name and address of the waste materials collecting centers and waste paper disposal services nearest to your house.

Safety Instructions and Warnings

Before starting the air conditioner, read the information given in the User's Guide carefully. The User's Guide contains very important observations relating to the assembly, operation and maintenance of the air conditioner.

The manufacturer does not accept responsibility for any damages that may arise due to non-observation of the following instruction.

- Damaged air conditioners are not to be put into operation. In case of doubt, consult your supplier.
- Use of the air conditioner is to be carried out in strict compliance with the relative instructions set forth in the User's Guide.
- Installation shall be done by professional people, don't install unit by yourself.
- For the purpose of the safety, the air conditioner must be properly grounded in accordance with specifications.
- Always remember to unplug the air conditioner before opening inlet grill. Never unplug your air conditioner by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.
- All electrical repairs must be carried out by qualified electricians. Inadequate repairs may result in a major source of danger for the user of the air conditioner.
- Do not damage any parts of the air conditioner that carry refrigerant by piercing or perforating the air conditioner's tubes with sharp or pointed items, crushing or twisting any tubes, or scraping the coatings off the surfaces. If the refrigerant spurts out and gets into eyes, it may result in serious eye injuries.

Cautions

- Do not obstruct or cover the ventilation grille of the air conditioner. Do not put fingers or any other things into the inlet/outlet and swing louver.

- Do not allow children to play with the air conditioner. In no case should children be allowed to sit on the outdoor unit.

Specifications

- The refrigerating circuit is leak-proof.

The machine is adaptive in following situation

1. Applicable ambient temperature range:

Cooling	Indoor	Maximum: D.B/W.B 32°C / 23°C Minimum: D.B/W.B 18°C / 14°C
	Outdoor	Maximum: D.B 43°C Minimum: D.B 18°C
Heating	Indoor	Maximum: D.B 27°C Minimum: D.B 15°C
	Outdoor	Maximum: D.B/W.B 24°C / 18°C Minimum: D.B -15°C

2. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person. The type of connecting wire is H05RN-F or H07RN-F.

AS102ALAJA AU102ACAH (HSU-10HQ03(B)) AS112BMALA AU182BFAHA (H2SM-18HX03(B))	AS102AMAKA AU102ACAH (HSU-10HX03(B))	AS112BLAJA AU182BFAHA (H2SM-18HQ03(B))	3X1.5mm ² +1X0.75mm ²
AS112BMAKA AS142BYAIA AU212BGAIA (H2SM-21HX03(B))			4X0.75mm ² X2

3. If the fuse on PC board is broken, please change it with the type of T.3.15A/250V.

4. The distance between the indoor unit and the floor should be more than 2m.

5. The wiring method should be in line with the local wiring standard.

6. After installation, the power plug should be easily reached.

7. The waste battery should be disposed properly.

8. The appliance is not intended for use by young children or infirm persons without supervision.

9. The breaker of the air conditioner should be all-pole switch(25A), and the distance between its two contacts should be not less than 3mm.(only for some models)

10. Young children should be supervised to ensure that they do not play with the appliance.

11. The requirement of the power supply cord.

	Suitable for installation in American region.	Suitable for installation in European region.
AS102ALAJA AU102ACAH (HSU-10HQ03(B)) AS102AMAKA AU102ACAH (HSU-10HX03(B))	SJT AWG 16#	H05VV-F 3G1.5mm ²
AS112BLAJA AU182BFAHA (H2SM-18HQ03(B)) AS112BMALA AU182BFAHA (H2SM-18HX03(B)) AS112BMAKA AS142BYAIA AU212BGAIA (H2SM-21HX03(B))	SJT AWG 12#	H05RN-F 3G2.5mm ²

12. The wiring diagram is attached inside the machine.

13. The appliance must be installed on strong enough supporter.

Cautions

Safety Instruction

- Please read the following Safety Instructions carefully prior to use.
- The instructions are classified into two levels, WARNING and CAUTION according to the seriousness of possible risks and damages as follows. Compliance to the instructions are strictly required for safety use.

Installation

⚠ WARNING

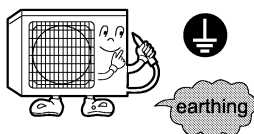
Please call Sales/Service Shop for the Installation.

Do not attempt to install the air conditioner by yourself because improper works may cause electric shock, fire, water leakage.

Installation in a inadequate place may cause accidents. Do not install in the following place.

⚠ CAUTION

Connect the earth cable.



Do not install in the place where there is any possibility of inflammable gas leakage around the unit.



PROHIBITION

Do not get the unit exposed to vapor or oil steam.



PROHIBITION

Check proper installation of the drainage securely

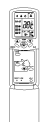


Cautions

Use of Air Conditioner

⚠ WARNING

When abnormality such as burnt-smell found, immediately stop the operation button and contact sales shop.

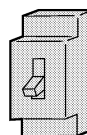


OFF



STRICT
ENFORCEMENT

Use an exclusive power source with a circuit breaker.



Connect power supply cord to the outlet completely.



STRICT
ENFORCEMENT

Use the voltage AC220~230V.



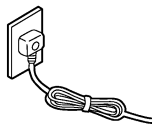
STRICT
ENFORCEMENT

Do not use power supply cord extended or connected in halfway.



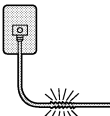
PROHIBITION

Do not use power supply cord in a bundle.



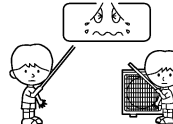
PROHIBITION

Take care not to damage the power supply cord.



PROHIBITION

Do not insert objects into the air inlet or outlet.



PROHIBITION

Do not start or stop the operation by disconnecting the power supply cord and so on.



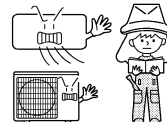
PROHIBITION

Do not channel the air flow directly at people, especially at infants or the aged.



PROHIBITION

Do not try to repair or reconstruct by yourself.



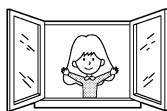
⚠ CAUTION

Do not use for the purpose of storage of food, art work, precise equipment, breeding or cultivation.



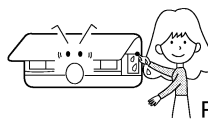
PROHIBITION

Take fresh air occasionally especially when gas appliance is running at the same time.



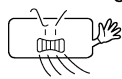
STRICT
ENFORCEMENT

Do not operate the switch with wet hand.



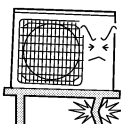
PROHIBITION

Do not install the unit near a fireplace or other heating apparatus.



PROHIBITION

Check good condition of the installation stand.



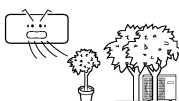
PROHIBITION

Do not pour water onto the unit for cleaning.



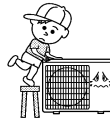
PROHIBITION

Do not place animals or plants in the direct path of the air flow.



PROHIBITION

Do not place any objects on or climb on the unit.

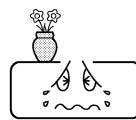


PROHIBITION

Do not place flower vase or water containers on the top of the unit.

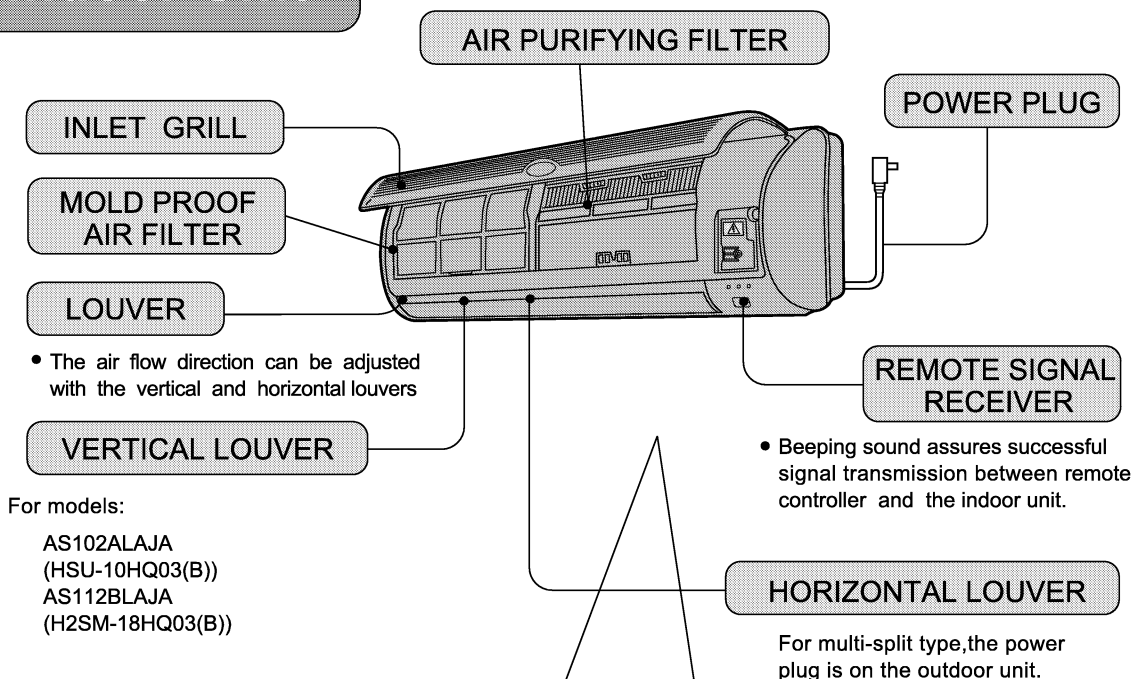


PROHIBITION

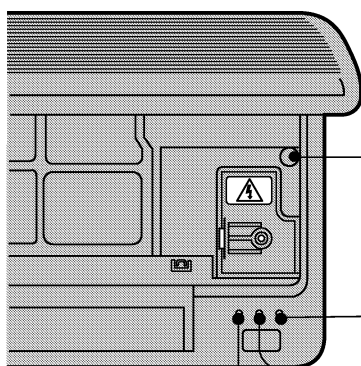


Parts and Functions

Indoor Unit



Operating Panel



The test operation switch is also used as an emergency operation switch.

EMERGENCY OPERATION(MANUAL)SWITCH

- If the remote controlling device is not available (when the remote controller is lost or the batteries of the controller have low charge), the air conditioning system can be turned on temporarily.

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TEST OPERATION (MANUAL) SWITCH

- Use the test operation switch when the room temperature is below 16°C: do not use in normal operation.

PAGE17 ➡

OPERATION MODE INDICATOR

- The operation mode indicator lights when the air conditioner is in operation.

TIMER MODE INDICATOR

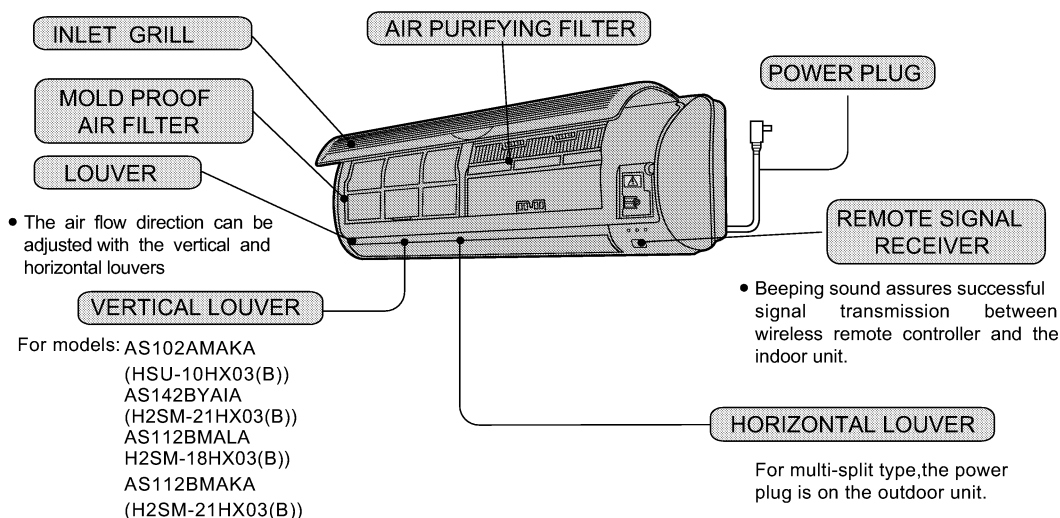
- The timer mode indicator lights when timer switch of the remote controller is "ON" or "OFF" position.

POWER INDICATOR

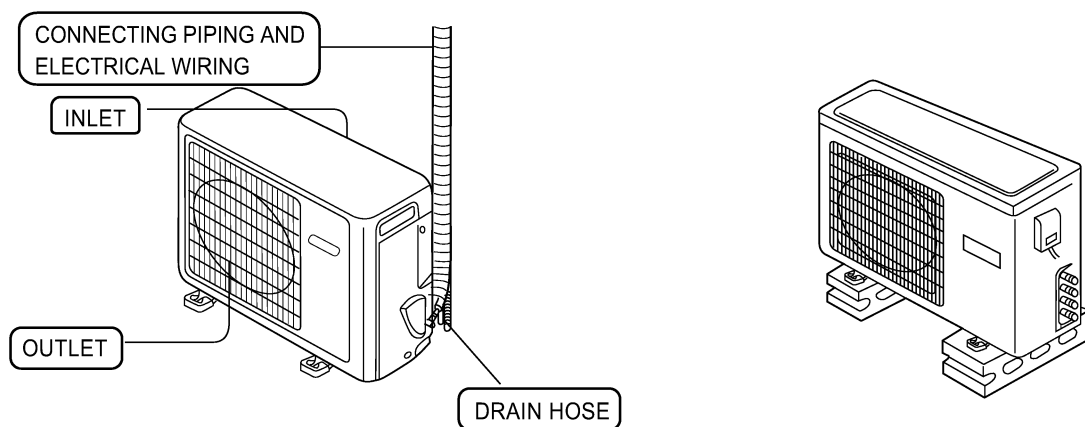
- The power indicator lights when the ON/OFF switch of remote controller is "ON".

Parts and Functions

Indoor Unit



Outdoor Unit

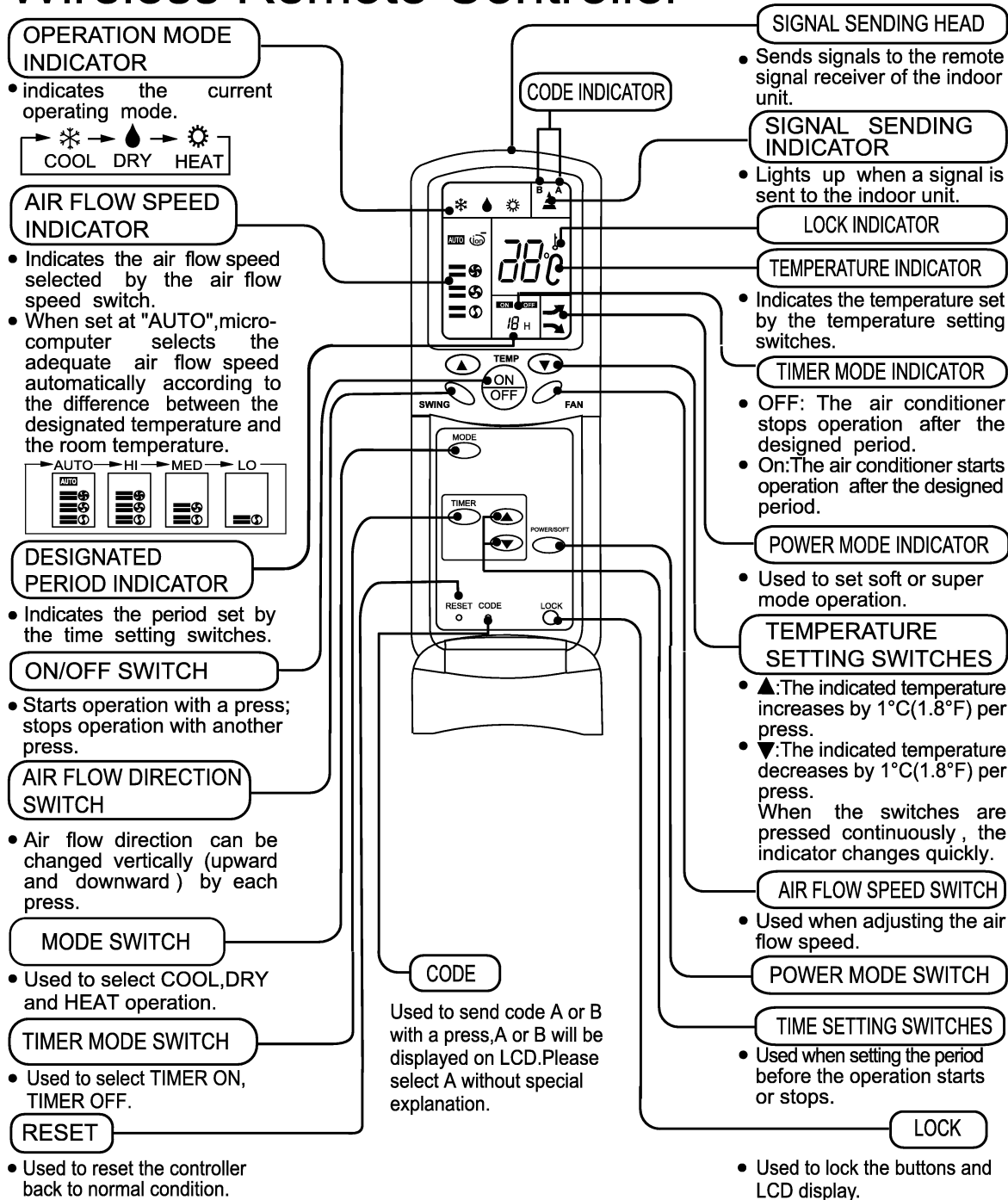


For models: AU102ACAH A AU102ACAH A
 (HSU-10HQ03(B)) (HSU-10HX03(B))

For models: AU182BFAHA AU212BGAIA
 (H2SM-18HQ03(B)) (H2SM-21HX03(B))
 (H2SM-18HX03(B))

Parts and Functions

Wireless Remote Controller



Note:

There is no health function with these types.
Multi-split type has no power function.

Parts and Functions

Inserting Dry Batteries

1 Remove the lid.

Gently press the part indicating OPEN, and slide the lid away from the controller.

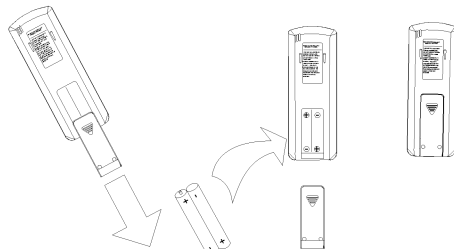
2 Insert the dry batteries.

Make sure the dry batteries are set in the right directions according to the diagram in the cavity.

3 Attach the lid.

4 Verify by the indicators.

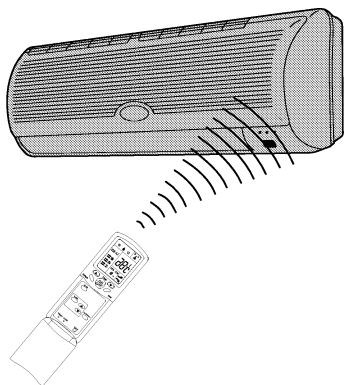
If displays do not appear after a press on ON/OFF switch, set dry batteries once more.



Note: TWO R-03 dry batteries

- Use two new dry batteries of the same brand and type.
- Remove the batteries from the controller when it is not used for a long period.
- When the remote controller does not work after replacement of new dry batteries, remove the dry batteries and insert them more than 30 seconds later, or press ON/OFF switch in several times without the battery inserted.

Handling the Wireless Remote Controller



- When operating, point the signal sending head toward the remote signal receiver of the indoor unit.
- Do not allow any obstacles between the signal sending head and the signal receiver.
- The signal receiver may not receive the signal in a room which has an electro-lighting (rapid-start) type fluorescent lamp, an inverter-type fluorescent lamp or a cordless phone.
- When attaching the wireless remote controller to a wall or post, make sure that the indoor unit receives the signals.
- Handle the wireless remote controller with care.
Do not drop, throw or wet the remote controller.
Do not attach the remote controller to a place where it is exposed to direct sunlight or heat.

Operation

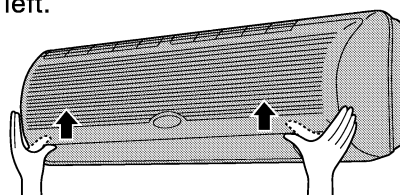
Before the Operation

Attachment of Air Purifying Filter

- Activated carbon in the Air Purifying Filter remove the dust, pollen and cigarette smoke for odorless and cleaner air.
- One set of the filters consist of two filters, right and left.

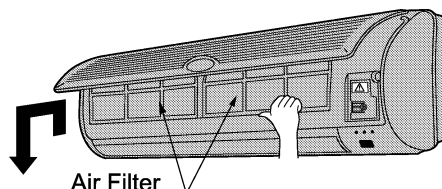
1 Open the Inlet Grill

Open the inlet grill by pushing each ends of the inlet grill upward. (use thumbs to push up).



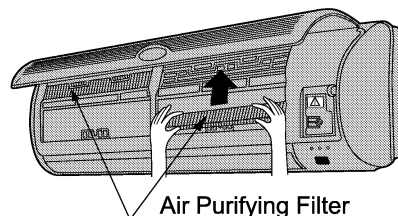
2 Detach the standard air filter

Slide the knob upward to release the filter, then withdraw it.



3 Attach Air Purifying Filter

Attaching each of the Air Purifying Filter to the indoor unit as its white side faces to the front.



⚠ CAUTION

Not to be injured by the edge of the metal fin (heat exchange).

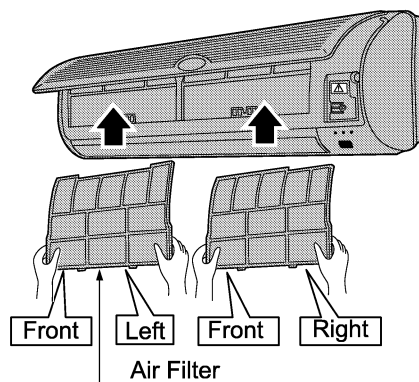
4 Attach the standard air filter as its front side faces to the front

Operating without standard air filter may cause troubles with the machine.

Do not mistake the filters(right and left), for each of them are of different shapes.

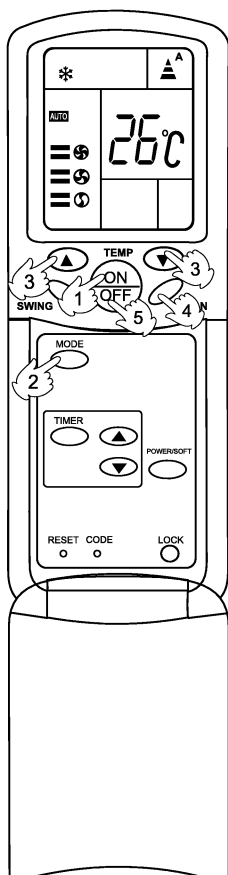
5 Close the Inlet Grill

Close the Grill gently and surely.



Operation

Cooling/Dry mode Operation



1 Press the ON/OFF switch.

2 Set the operation mode to "COOL" or "DRY" by pressing the operation mode switch.

3 Adjust the designated temperature by pressing the temperature switches.

4 Adjust the air flow speed by pressing the air flow speed switch.

When the switch is set at "AUTO", the adequate air flow speed is selected by micro-computer automatically.

OFF

5 Press the ON/OFF switch again.

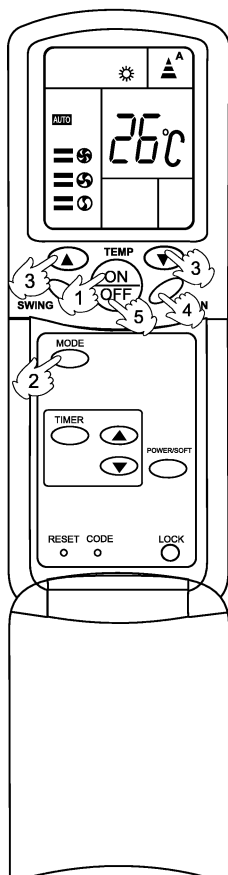
The system retains the previous setting conditions until next operation.

NOTICE

- When you press the ON/OFF switch immediately after a stop, the air conditioner does not start operation for approx. 3min. in order to protect the system. Then the operation will start automatically after 3min.
- If the system continues cooling or dry operation for a long period under high humidity, the outlet may accumulate water and cause dew drops.
- During dry mode operation, the system performs the cooling operation until the room temperature reaches (33.8°F) above the designated temperature. Then it continues dry mode operation intermittently with air flow speed at "LO", regardless of the designated speed.
- Air flow from the system may be cold when the room temperature is low.

Operation

Heating Operation



1 Press the ON/OFF switch.

2 Set the operation mode to "HEAT" by pressing the operation mode switch.

3 Adjust the designated temperature by pressing the temperature switches.

4 Adjust the air flow speed by pressing the air flow speed switch.

When the switch is set at "AUTO", the micro-computer selects air flow speed automatically.

OFF

5 Press the ON/OFF switch again.

The system retains the previous setting conditions until next operation.

NOTICE

- When you press the ON/OFF switch immediately after a stop, the air conditioner does not start operation for approx. 3 min. in order to protect the system. Operation will start automatically after 3 min.
- When the room temperature has not reached the required level because of a low ambient temperature, add other heating facilities.
- After replacing the dry batteries, the operating conditions become ex-factory preset as follows: operation mode: "COOL"; temperature: "26°C (78.8°F)"; timer mode: "No"; air flow speed: "AUTO".

Operation

Air Flow Direction Adjustment

Vertical Adjustment

When ON/OFF switch is pressed, the vertical louver will move to the adequate positions for each operation automatically.

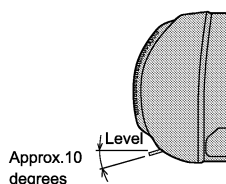
Swing of Air Flow

If air flow direction switch is pressed once, the vertical louver will move within the range of figures as right.

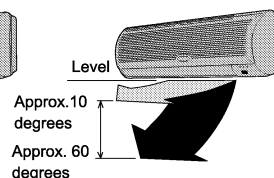
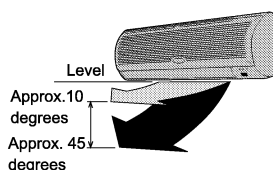
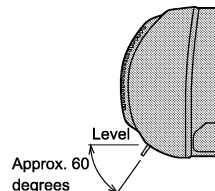
Fixing the Flow Direction

If air flow direction switch is pressed again, the vertical louver will be fixed and that position is more memorized. From the next operation the louver will be set at previous position automatically.

During Cooling, Dry Operation



During Heating Operation



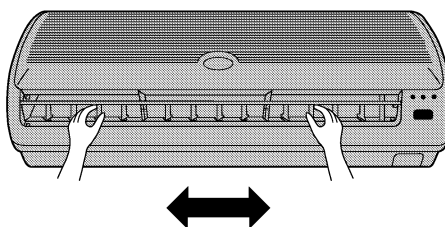
NOTICE

- When the operation is off, the vertical louver closes the outlet automatically.
- **DO NOT MOVE THE VETICAL LOUVER BY HANDS.** It may make the louver not work properly. In order to move the vertical louver, use remote controller without fail. In case the louver does not work correctly, once stop the operation and turn on again.
- During cooling or dry operation, the vertical louver should not be downward for a long time. If this is done, dew drops may appear at the outlet. (Even the louver directions is in the swing range, the louver will move about 10 degrees from horizontal after one hour.)

Horizontal Adjustment

Audjust the horizontal louner by moving the adjustment tabs.

If the system is operated with the horizontal louver faced completely to the left or right under high humidity (e.g. during the rainy season), dew drops may appear at the outlet.

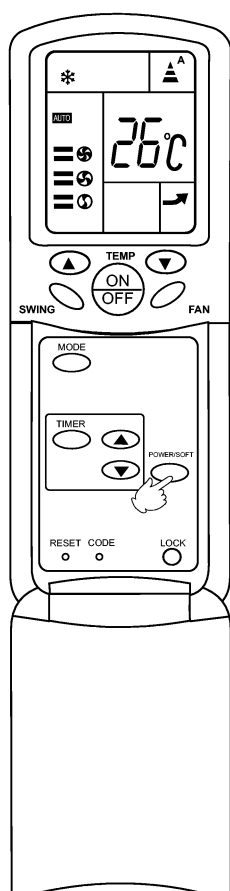


Operation

Power Mode Operation

Power mode operation includes super mode operation and soft mode operation.

For multi-split type, power mode is not available.



Super Mode Operation

This mode is good to have yourself blown directly to feel cooler or warmer.

ON

Press Power Mode Switch once.

The indication  appears on the remote controller and the operation in Super Mode starts.

During the Super Mode operation, the air flow speed is indicated as "AUTO" on the controller.

OFF

Press Power Mode Switch twice.

The indication  appears on the remote controller at one press and it goes out at the second press, then the operation will return to the regular operation.

NOTE

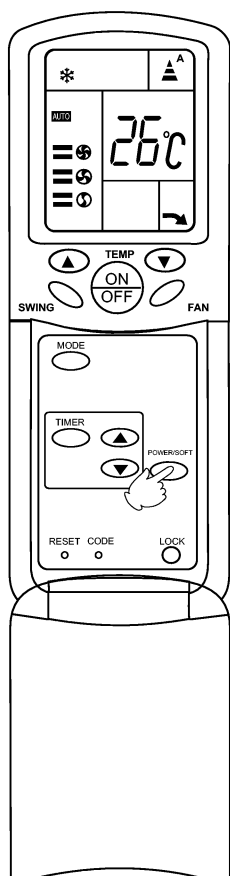
- Unevenness of room air temperature may occur due to the intensive operation in a short time.
- After 15 min., the operation will return to normal automatically.

Operation

Power Mode Operation

Power mode operation includes super mode operation and soft mode operation.

For multi-split type, power mode is not available.



Soft Mode Operation

Soft mode operation, operating more quietly by controlling the air flow of indoor unit, it is useful when noises should be smaller, such as, for reading and sleeping.

ON

Press Power Mode Switch once.

The indication  appears on the remote controller and the operation in Soft Mode starts.

During the Soft Mode operation, the air flow speed is indicated as "AUTO" on the controller.

OFF

Press Power Mode Switch twice.

The indication  goes out at one press, then the operation will return to the regular operation.

NOTE

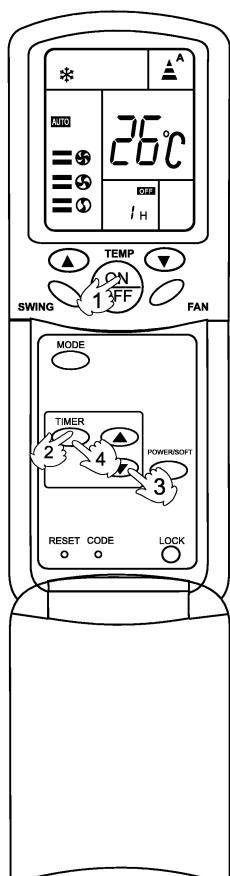
- Soft mode operation may not be powerful enough to keep the room temperature at the designated for a long time.

Operation

Timer Function Usage

OFF Timer Function

With this function, the system stops operating after the designated period.



1 Press the ON/OFF switch

Make sure that the operating conditions are those desired.

2 Set the timer mode to "OFF" by pressing the timer mode switch.

Make sure that the timer mode indicator of the indoor unit lights up.

3 Set the operation period by pressing the time setting switches.

The operation period can be set from 1 hour to 12 hours by an hour.

Timer Cancellation

4 Just press the timer mode switch several times until TIMER mode disappears.

Changing the Designated Period

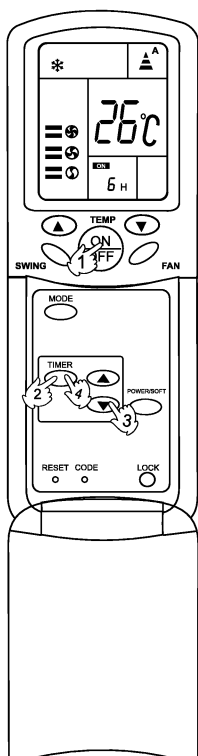
Press either ▲ or ▼ time setting switch to adjust the operating period. The timer then immediately starts its function.

Operation

Timer Function Usage

ON Timer Function

With this function, the system starts operating after the designated period: the system can be set to turn on automatically at the time of awakening or arriving home.



1 Press the ON/OFF switch

Make sure that the operating conditions are those desired.

2 Set the timer mode to "ON" by pressing the timer mode switch.

Make sure that the timer mode indicator of the indoor unit lights up.

3 Set the operation period by pressing the time setting switches.

The operation period can be set from 1 hour to 12 hours by an hour.

Timer Cancellation

4 Just press the timer mode switch several times until TIMER mode disappears.

NOTICE

- Once the timer function is set, the period is memorized. From next time, you can operate easily with operation of the ON/OFF switch and the timer mode switch.
- After replacing the dry batteries, the designated period is set automatically as follows: OFF: 1 hour, ON: 6 hours. Set the timer again if necessary.
- If the power fails, set timer again.

Power Failure Resume Function

- Only some of the models have this function. If the unit is started for the first time, the compressor will not start running unless 3 minutes have elapsed. When the power resumes after power failure, the unit will run automatically, the power indicator lights up, and 3 minutes later the compressor starts running with the indicator lighting up.

Operation

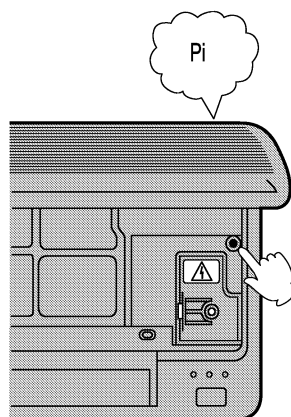
Emergency and Test Operation

Emergency operation:

- Use this operation only when the remote controller is defective or lost.
- When the emergency operation switch is pressed, the "Pi" sound is heard once, which means the start of this operation.
- In this operation, the system automatically selects the operation modes, cooling or heating, according to the room temperature, as follows.

Temperature	Operation mode	Designated temperature	Timer mode	Air flow
ABOVE 23°C	COOLING	26°C	CONTINUOUS	AUTOMATIC
BELOW 23°C	HEATING	23°C	CONTINUOUS	AUTOMATIC

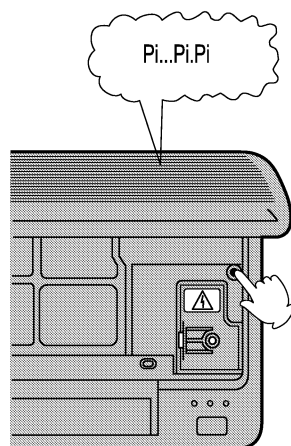
- It is not possible to operate in dry mode.



Test operation:

Test operation switch is the same as emergency switch.

- Use this switch in the test operation when the room temperature is below 16°C, do not use it in the normal operation.
- Continue to press the test operation switch for more than 5 seconds. After you hear the "Pi" sound twice, release your finger from the switch: the cooling operation starts with the air flow speed "Hi".
- After 30 minutes, test operation ends automatically.



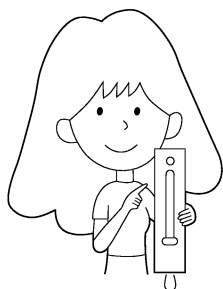
Termination of emergency or test operation:

- Press the emergency operation switch once more, or manipulate through the remote controller; the "Pi" sound, the emergency or test operation is terminated.
- When the remote controller is manipulated, it gets the system back to the normal operation mode.

Maintenance

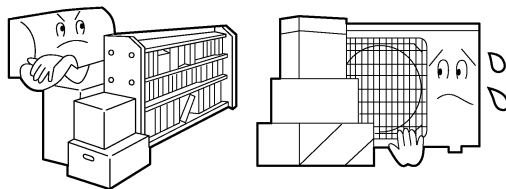
For Smart Use of The Air Conditioner

Setting of proper room temperature

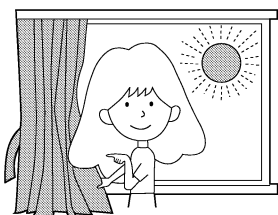


Proper temperature

Do not block the air inlet or outlet

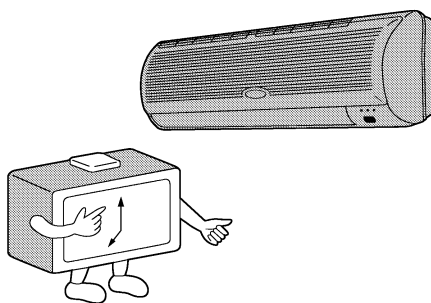


Close doors and windows during operation

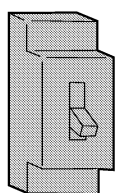


During cooling operation, prevent the penetration of direct sunlight with curtain or blind.

Use the timer effectively

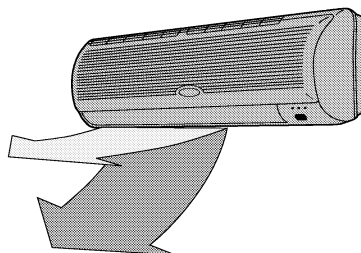


If the unit is not to be used for a long time, turn off the power supply main switch.



OFF

Use the louvers effectively



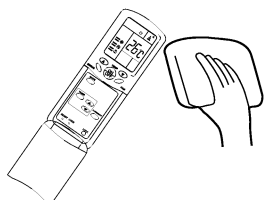
Maintenance

For Smart Use of The Air Conditioner

⚠ WARNING

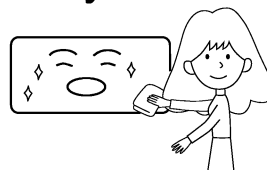
Before maintenance, be sure to turn off the system and the circuit breaker.

Remote Controller



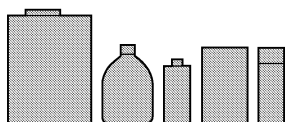
Do not use water, wipe the controller with a dry cloth. Do not use glass cleaner or chemical cloth.

Indoor Body



Wipe the air conditioner by using a soft and dry cloth. For serious stains, use a neutral detergent diluted with water. Wring the water out of the cloth before wiping, then wipe off the detergent completely.

Do not use the following for cleaning



Gasoline, benzene, thinner or cleanser may damage the coating of the unit.



Hot water over 40°C (104°F) may cause discoloring or deformation.

Air Filter Cleaning

1 Open the inlet grill by pulling it upward.

2 Remove the filter.

Push up the filter's center tab slightly until it is released from the stopper, and remove the filter downward.

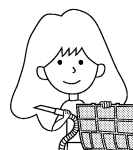
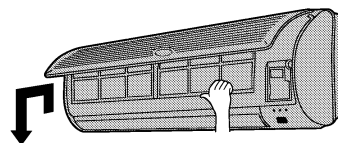
3 Clean the filter.

Use a vacuum cleaner to remove dust, or wash the filter with water. After washing, dry the filter completely in the shade.

4 Attach the filter.

Attach the filter correctly so that the "FRONT" indication is facing to the front. Make sure that the filter is completely fixed behind the stopper. If the right and left filters are not attached correctly, that may cause defects.

5 Close the inlet grill.



Once every two weeks

Maintenance

Inlet Grill Cleaning

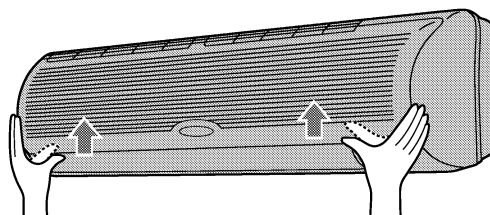
Washing of the inlet grill, after detaching it, is available when the dirt in the slit is hard to be removed.

⚠ Cautions

- Be sure to detach the inlet grill from the indoor unit when washing.
 - After washing, wipe off the moisture completely from the inlet grill then dry it in the shade completely. Moisture on the inlet grill may cause electric shock.
 - When detaching the inlet grill, do not touch the metal fin of the unit to avoid the possibility of the injuries.
-
- When detaching or attaching the inlet grill, do not stand on any unstable step to avoid falling. Do not use hard materials such as scrubbing brush or pot scourer when washing the grill. It may cause the scratches on the surface.
 - Wash the grill softly to avoid deformation or scratch, cracks of the grill.
 - Do not use any detergent other than neutral one. Wash neutral detergent away completely, when it is used.
 - Do not place in a direct sun light to avoid deformation or discoloring.

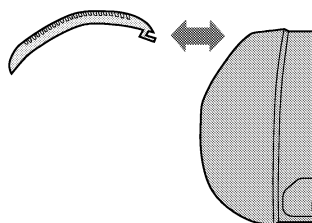
1 Open the inlet grill

Open the inlet grill by pushing each ends of the grill with thumbs to the upper.



2 Detach the grill

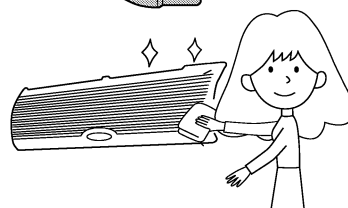
Raise the inlet grill to the horizontal angle, then draw the grill to detach it from the indoor unit.



3 Wash the grill

4 Attach the grill

Attached the grill as before. Keeping the inlet grill horizontally, insert it until the three claws is properly set into the holding. Then, gently push the grill to the closure.



Maintenance

Replacement of Air Purifying Filter

⚠ Cautions

- Do not get injured by the edge of the metal fin (heat exchanger).
- One set of the Air Purifying Filter & standard air filter are consist of the two filters, right and left

1 Open the Inlet Grill

Open the inlet grill by pushing each ends of the inlet grill upward. (use thumbs to push up).

2 Detach the standard air filter

Slide the knob slightly upward to release the filter, then withdraw it.

3 Detach the Air Purifying Filter

4 Attach new Air Purifying Filter

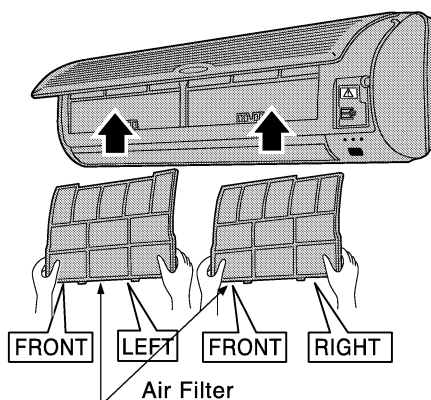
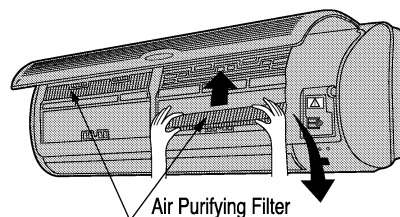
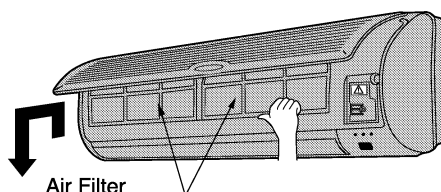
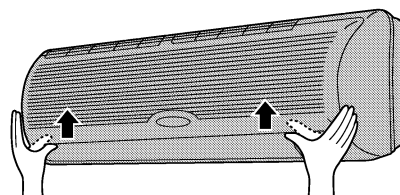
Attaching each of the Air Purifying Filter to the indoor unit as its white side faces to the front.

5 Attach the standard air filter as its front side faces to the front

Operating without standard air filter may cause troubles with the machine. Do not mix the filters (right and left), for each of them are of different shapes.

6 Close the Inlet Grill

Close the Grill surely.



NOTE

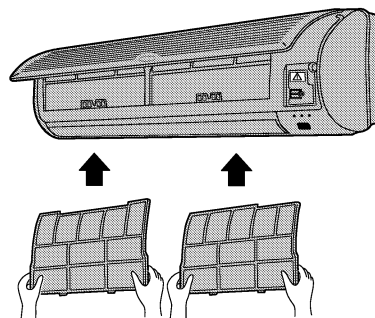
- Please replace the air Purifying Filter when color of the filter become same level of sample attached in the indoor unit.
- Please replace the Air Purifying Filter in 3-6 months as standard.
- Stuffed filters are not usable even washing. Please purchase new one at sales shop.

Trouble Shooting

Before Setting in High Season

1 Cleaning the standard air filter.

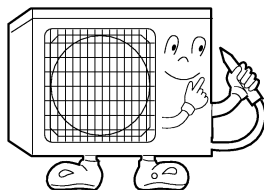
Operation without filter may cause troubles. Be sure to attach both right and left filters prior to the operation. Each of them are of different shapes.



2 Connecting the earthing cable.

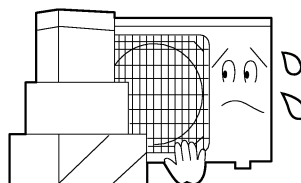
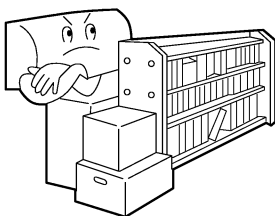
⚠ Caution

- Incomplete earthing may cause an electric shock.



EARTHING

3 Do not block the air inlet or outlet.



4 Plug-in

⚠ Caution

- After brush away dust at the plug, insert the plug of the power supply cord into the outlet completely. In case of using exclusive circuit breaker, switch on the circuit breaker.



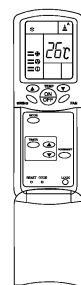
NO WET HAND

Maintenance

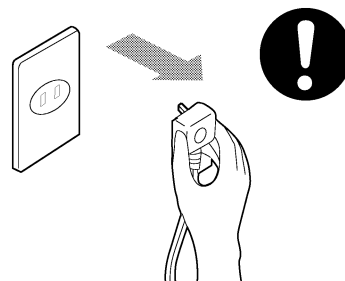
To Keep Your Air conditioner in Good Condition after Season.

1 Operate in cooling mode for 2-3 hours.

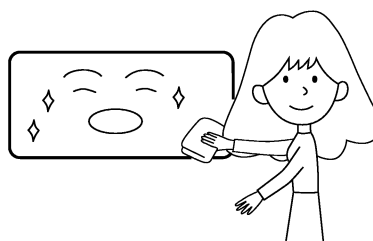
To prevent breeding mold or bad smell, be sure to operate at the designated temperature of 30°C, cooling mode and High speed fan mode for 2-3 hours.



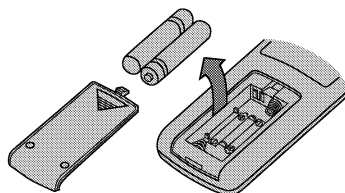
2 Put off the power supply cord.



3 Cleaning the body.



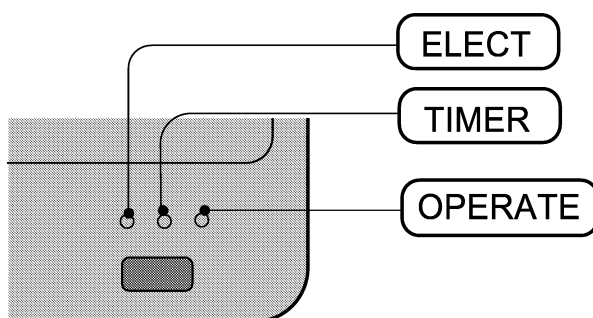
4 Take out the batteries from the remote controller.



Trouble Shooting

When a Trouble or Abnormality Occurred with the Machine.

Micro computer self-diagnoses the points of the troubles and informs it by the combination of the status (On, Flush or Off) or three lamp indicators on the front panel of the indoor unit. Please tell the status of the three lamp indicators to the service shop for their prompt and proper repairs (Before asking for repairs please see the trouble shooting in the next page).



Warning

- Do not try to repair by yourself. Improper repairs may cause the accidents or electric shock.

NOTE

- The micro computer will stop the operation in self diagnosis mode. Please also turn off the remote controller, then.

NOTE

When malfunction occurs in operation,

- In case malfunction-functions, failure of no-working or no-reacting to remote controller occurs for such reasons as thunder or radiotelegraphy, disconnect the plug first, then connect the plug again and operate with remote controller.

Trouble Shooting

Cautions

In the event of a malfunction (burning smell, etc.), immediately stop operation, disconnect the power supply plug, and consult sales shop.

The following is not a machine trouble.

Before requesting service, perform the following checks:

CONDITION	CAUSES OR CHECK POINTS
The system does not start re-operation immediately.	○ This is for protection of the system. After a stop, the system does not start operation for approx, 3min.
Smells are generated.	○ This is because the system circulates smell from the interior air such as the smell of cigarettes, cosmetics, the walls or furniture.
Occurring of noise	○ When cooling is started or heating is stopped, a swishing or a gurgling noise may be heard. This noise is generated while the refrigerant is flowing in the air conditioner. ○ When starting or stopping operation, a cracking noise may be heard. This noise is generated by temperature changes. ○ A whooshing noise is may be heard during operation of the system. This noise is generated when the refrigerant changes direction.
● Air does not flow. (Indoor Unit) ● Air flow speed can not be changed.	○ During the dry mode operation, air may not flow out, to prevent excessive cooling. ○ During the heating operation, air does not flow out until the air is heated enough to prevent cold air flow. During the thawing in heating, air may not flow.
Air does not flow. (Outdoor Unit)	○ During the dry mode operation and heating mode operation, Air may not flow out.
Cooling/heating is not sufficient.	○ The cooling / heating function may not work effectively when the air filters are clogged with dust and dirt. ○ Make sure the room temperature has not yet reached the designated level. ○ Make sure the air flow speed is not set at "LO". ○ Make sure the inlet or outlet of the outdoor unit is not blocked. ○ When the room temperature has not reached the required level because of a low ambient temperature, add other heating facilities.
The indicator on the remote controller is dim. The indicator dims when sending signals. Indication does not appear on the remote controller.	○ Make sure if the dry batteries have enough charge. Replace the worn dry batteries with a new pair. Use R-03 dry batteries. ○ Make sure the dry batteries are set in the right directions.
Misting (Indoor Unit)	○ It is caused by chilled air in cooling operation.
Steaming (Outdoor Unit)	○ It is caused by defrosting of outdoor unit in heating operation.