



# ROOM AIR CONDITIONER OWNER'S MANUAL

Please read the operating instructions and safety precautions carefully and thoroughly before installing and operating your room air conditioner.

# AIRE ACONDICIONADOR MANUAL DEL PROPIETARIO

Por favor lea las instrucciones de operación y las precauciones de seguridad cuidadosa y totalmente antes de instalar y operar su acondicionador de aire de ventana.

MODELS, MODELOS: HBLG1004C

Manufactured by LG Electronics

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## FOR YOUR RECORDS

Write the model and serial numbers here:

**Model #** \_\_\_\_\_

**Serial #** \_\_\_\_\_

You can find them on a label on the side of each unit.

**Dealer's Name** \_\_\_\_\_

**Date Purchased** \_\_\_\_\_

- Staple your receipt to this page in the event you need it to prove date of purchase or for warranty issues.



## READ THIS MANUAL

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

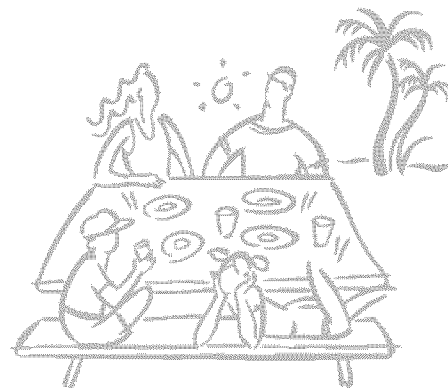
You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of

**Troubleshooting Tips** first, you may not need to call for service at all.



## PRECAUTION

- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- The air conditioner is not intended for use by young children or invalids without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.



# Safety Precautions

To prevent injury to the user or other people and property damage, the following instructions must be followed.

- Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications.

**⚠ WARNING** This symbol indicates the possibility of death or serious injury.

**⚠ CAUTION** This symbol indicates the possibility of injury or damage to properties only.

- Meanings of symbols used in this manual are as shown below.

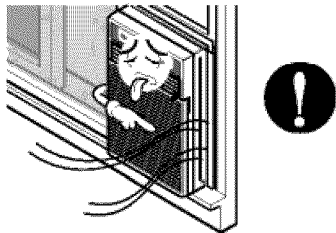
|  |   |
|--|---|
|  | <b>Be sure not to do.</b>                 |
|  | <b>Be sure to follow the instruction.</b> |

## ⚠ WARNING

### ■ Installation

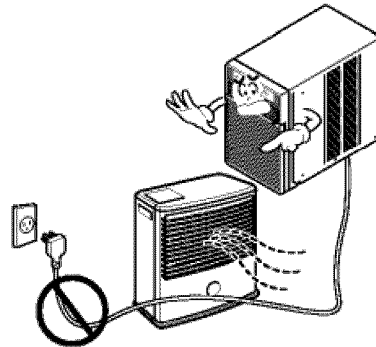
**Always install the expansion panel(s).**

- No installation may cause fire and electric shock accident.



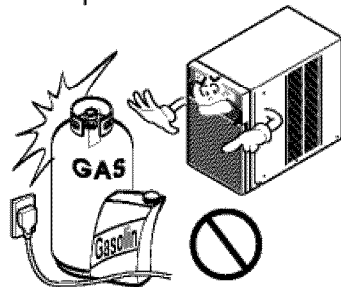
**Do not place the power cord near a heater.**

- It may cause fire and electric shock.



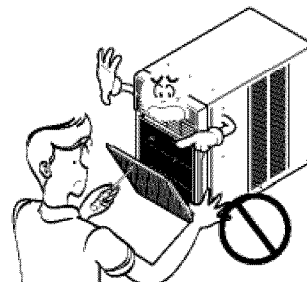
**Do not use the power cord near flammable gas or combustibles such as gasoline, benzene, thinner, etc.**

- It may cause explosion or fire.



**Do not disassemble or modify products.**

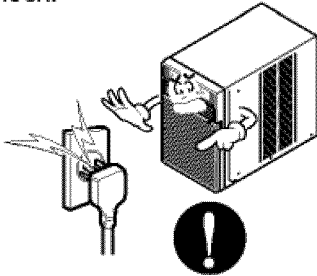
- It may cause failure and electric shock.



## ■ Operation

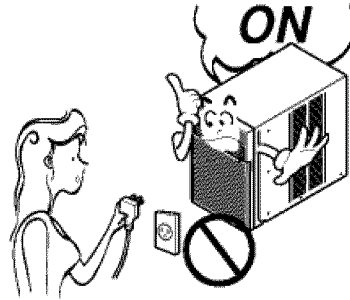
**Plug in the power plug properly.**

- Otherwise, it will cause electric shock or fire due to heat generation or electric shock.



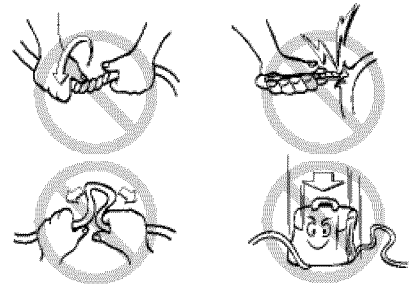
**Do not operate or stop the unit by inserting or pulling out the power plug.**

- It will cause electric shock or fire due to heat generation.



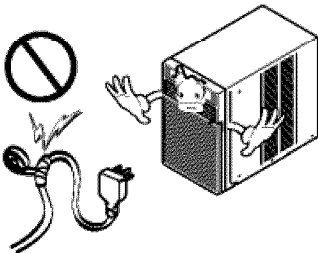
**Do not damage or use an unspecified power cord.**

- It will cause electric shock or fire.



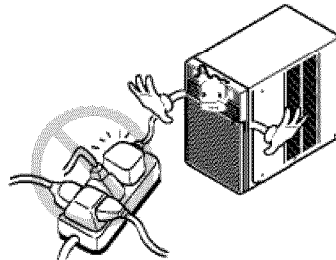
**Do not modify power cord length.**

- It will cause electric shock or fire due to heat generation.



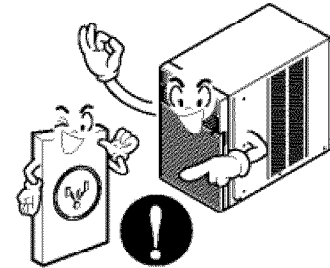
**Do not share the outlet with other appliances.**

- It will cause electric shock or fire due to heat generation.



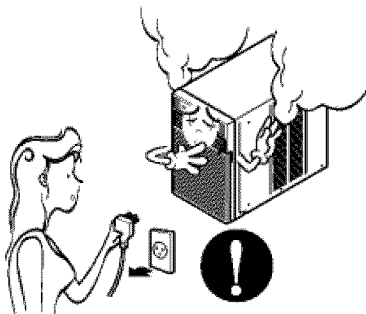
**Always plug into a grounded outlet.**

- No grounding may cause electric shock (See Installation Manual).



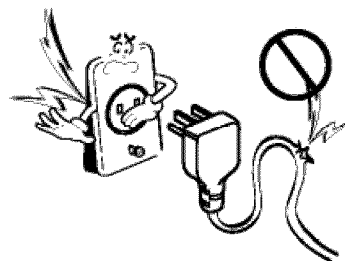
**Unplug the unit if strange sounds, odors, or smoke come from it.**

- Otherwise it may cause fire and electric shock accident.



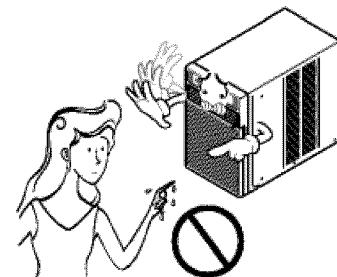
**Do not use the socket if it is loose or damaged.**

- It may cause fire and electric shock.



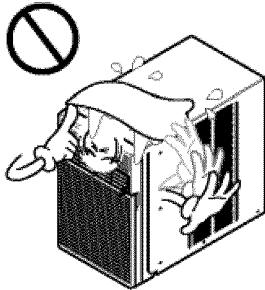
**Do not operate with wet hands or in damp environment.**

- It will cause electric shock.



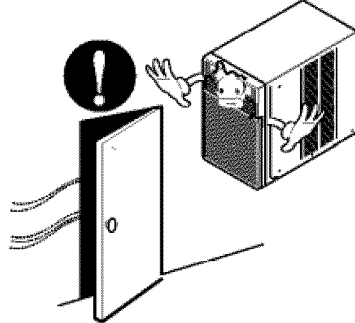
**Do not allow water to run into electric parts.**

- It will cause failure of machine or electric shock.



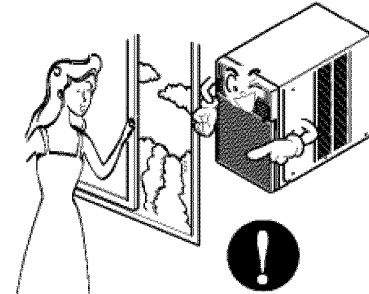
**Leave the door closed while the air conditioner is running.**

- It is not designed to cool the entire house.



**Ventilate before operating air conditioner when gas goes out.**

- It may cause explosion, fire, and burn.

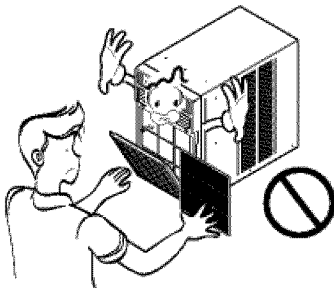


**CAUTION**

## Installation

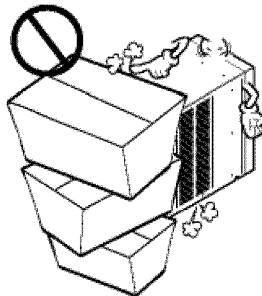
**Never touch the metal parts of the unit when removing the filter.**

- They are sharp and may cause injury.



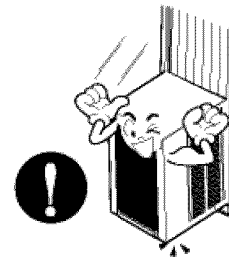
**Do not block the inlet or outlet.**

- It may cause failure of appliance or accident.



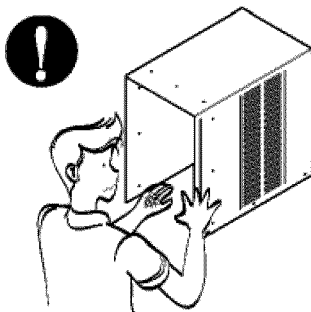
**Ensure that the outer case is not damaged by age or wear.**

- If leaving appliance damaged, there is concern of damage due to the falling of product.



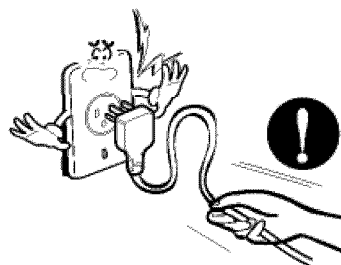
**Be cautious not to touch the sharp edges when installing.**

- It may cause injury.



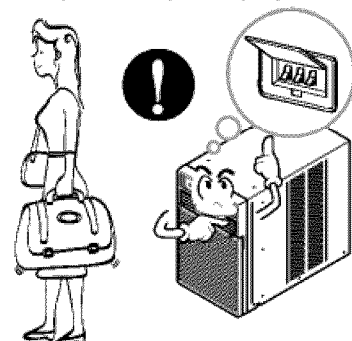
**Hold the plug by the head when taking it out.**

- It may cause electric shock and damage.



**Turn off the main power switch when not using it for a long time.**

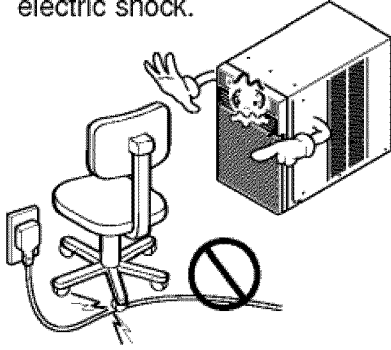
- Prevent accidental startup and the possibility of injury.



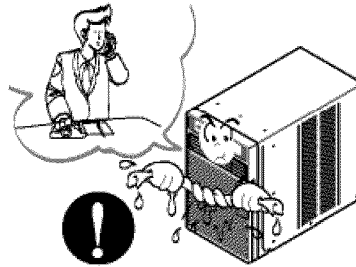
## ■ Operation

Do not place heavy object on the power cord and take care so that the cord should not be pressed.

- There is danger of fire or electric shock.

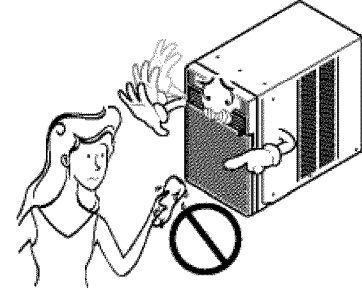


If water enters the product, turn off the the power switch of the main body of appliance. Contact service center after taking the power-plug out from the socket.



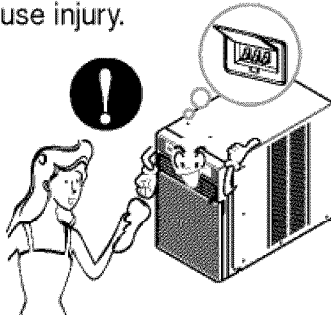
Do not clean the air conditioner with water.

- Water may enter the unit and degrade the insulation. It may cause an electric shock.



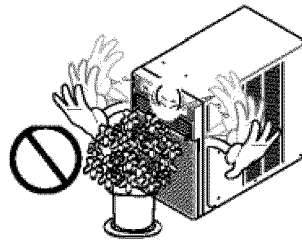
Turn off the power and breaker firstly when cleansing the unit.

- Since the fan rotates at high speed during operation, it may cause injury.



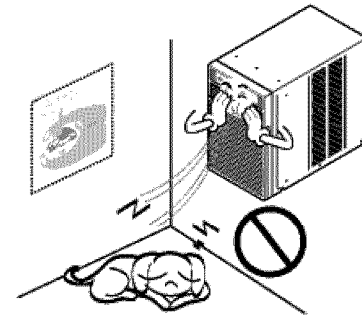
Do not put a pet or house plant where it will be exposed to direct air flow.

- This could injure the pet or plant.



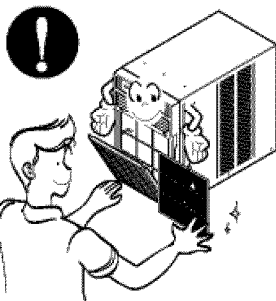
Do not use this appliance for special purposes such as pets, foods, precision machinery, or objects of art.

- It is an air conditioner, not a precision refrigeration system.



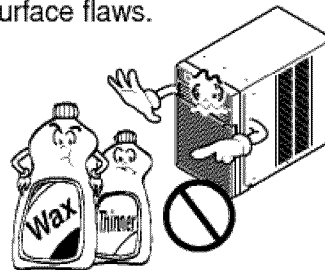
Always insert the filter securely. Clean it every two weeks.

- Operation without filters will cause failure.



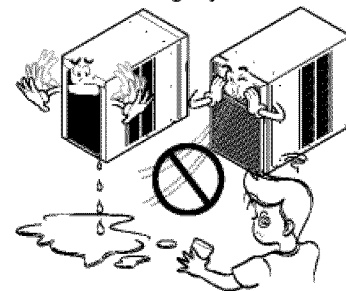
Use a soft cloth to clean. Do not use wax, thinner, or a strong detergent.

- The appearance of the air conditioner may deteriorate, change color, or develop surface flaws.



Do not drink water drained from air conditioner. / Do not direct airflow at room occupants only.

- It contains contaminants and will make you sick. / This could damage your health.



# Prior to Operation

## Preparing for Operation

1. Contact an installation specialist for installation.
2. Plug in the power plug properly.
3. Use a dedicated circuit.
4. Do not use an extension cord.
5. Do not start/stop operation by plugging/unplugging the power cord.
6. If the cord/plug is damaged, replace it with only an authorized replacement part.

## Usage

1. Being exposed to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
2. Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
3. Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Such usage could damage the items.

## Cleaning and Maintenance

1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
3. When cleaning the unit, first make sure that the power and breaker are turned off. The fan rotates at a very high speed during operation. There is a possibility of injury if the unit's power is accidentally triggered on while cleaning inner parts of the unit.

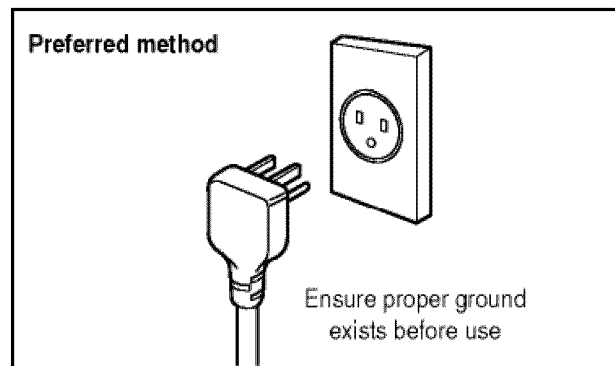
## Service


For repair and maintenance, contact your authorized service dealer.


## Electrical Safety


 **WARNING: This appliance must be properly grounded.**

The power cord of this appliance is equipped with a three-prong grounding plug. To minimize the risk of electric shock, use the plug with a standard three-slot grounding wall power outlet. If the power outlet does not include a grounding slot, have a qualified electrician replace the outlet before you use the room air conditioner.



 **WARNING: Do not cut or remove the grounding prong from the power plug.**

 **WARNING: Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal and not insulated, and the wall receptacle is grounded through the house wiring.**

 **WARNING: If you have any doubt whether the air conditioner is properly grounded, have the wall receptacle and circuit checked by a qualified electrician.**

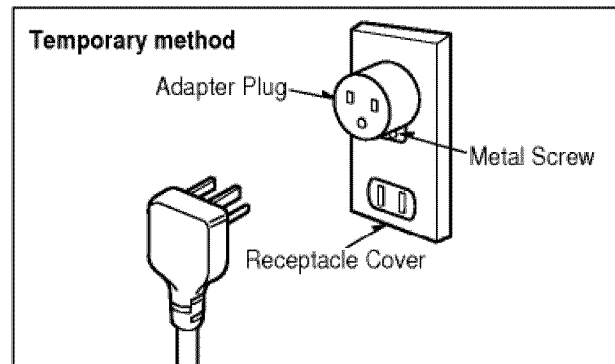


## Temporary Use of an Adapter

We **strongly discourage** the use of an adapter due to potential safety hazards. For temporary connections, use only a UL-listed adapter, available from most local hardware stores. Ensure that the large slot in the adapter is aligned with the large slot in the receptacle for a proper polarity connection.

To disconnect the power cord from the adapter, use one hand on each to avoid damaging the ground terminal. Avoid frequently unplugging the power cord as this can lead to eventual ground terminal damage.

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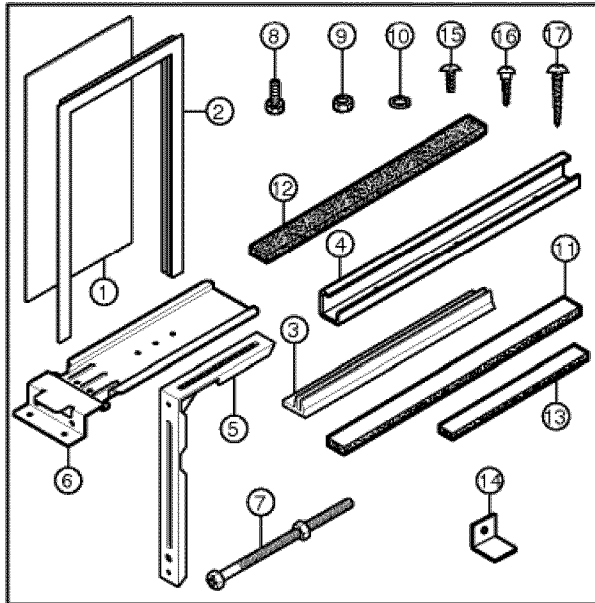
**WARNING:** Never use the appliance with a broken adapter.

## Temporary Use of an Extension Cord

We **strongly discourage** the use of an extension cord due to potential safety hazards. For temporary situations, use only CSA certified and UL listed 3-wire grounded extension cords, rated 15 A, 125 V.

# Installation

## Installation Kits Contents

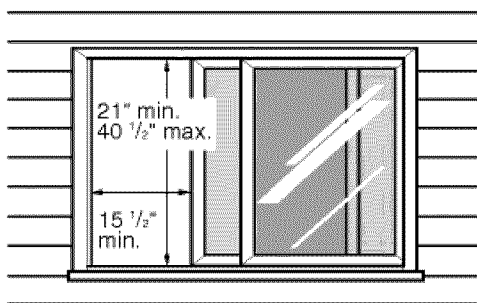


| NO. | NAME OF PARTS          | QTY |
|-----|------------------------|-----|
| 1   | Curtain                | 1   |
| 2   | Curtain Frame          | 1   |
| 3   | Upper Guide            | 1   |
| 4   | Side Guide             | 2   |
| 5   | Support Bracket        | 1   |
| 6   | Bracket                | 1   |
| 7   | Leveling Bolt & Nut    | 1   |
| 8   | Bolt                   | 2   |
| 9   | Nut                    | 2   |
| 10  | Washer                 | 2   |
| 11  | Side Guide seal        | 1   |
| 12  | Foam Seal Strip        | 1   |
| 13  | Window Track Seal      | 1   |
| 14  | Window Locking Bracket | 1   |
| 15  | Screw (Type A)         | 9   |
| 16  | Screw (Type B)         | 3   |
| 17  | Screw (Type C)         | 8   |

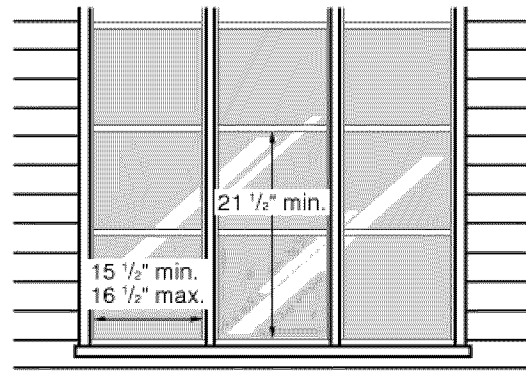
## Window Requirements

1. These instructions are for a horizontal sliding or a casement window.
2. The electrical outlet must be within reach of the power cord.

For installation in a casement window, the window frame assembly and the side of the building must be adequate to support the weight of the air conditioner.



Horizontal sliding window

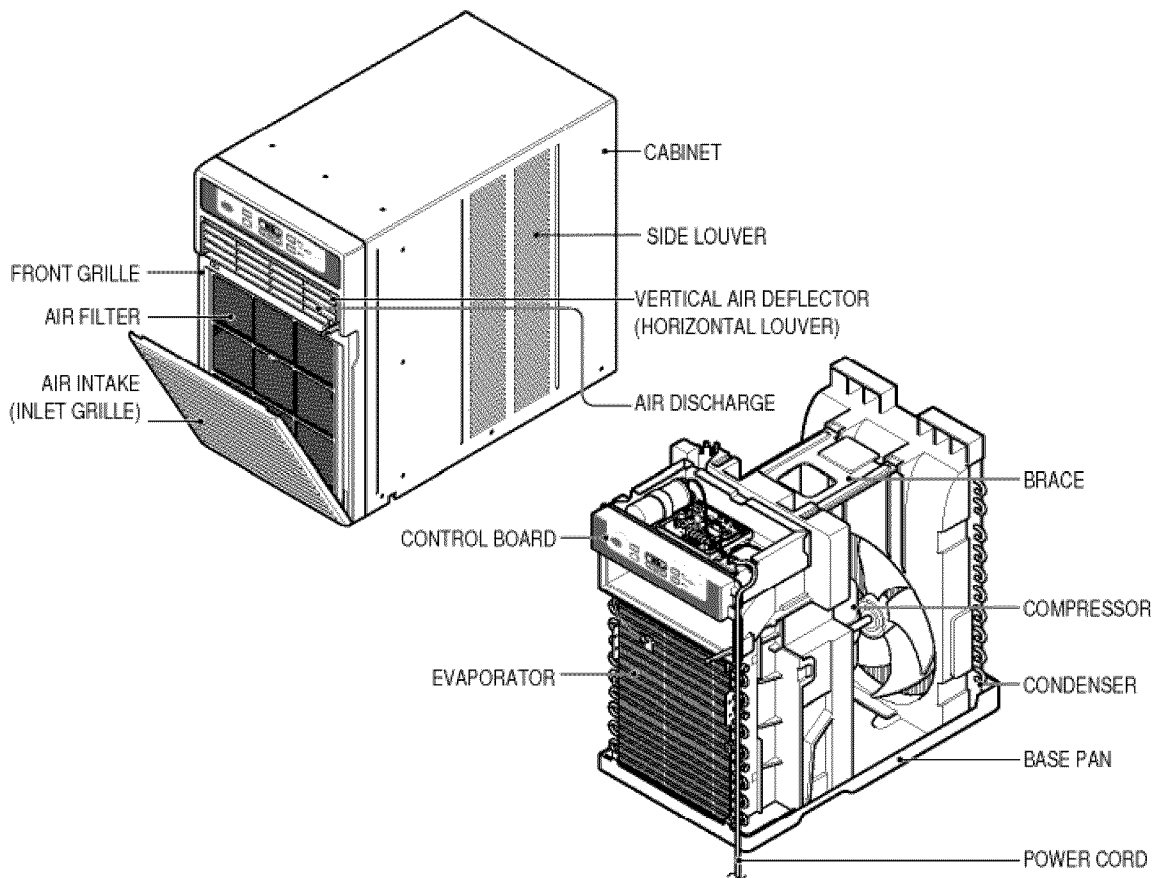


Casement window

Learning parts name prior to installation will help you understand the installation procedure.

## Features

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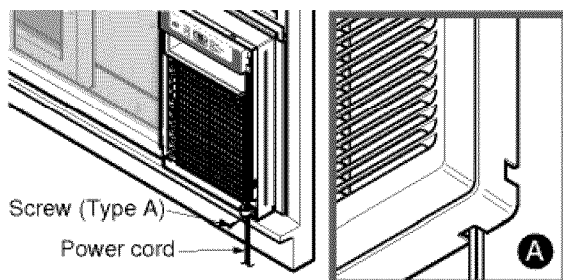


## Installing the Power cord

You can choose between the two methods below according to your preference and window sill shape.

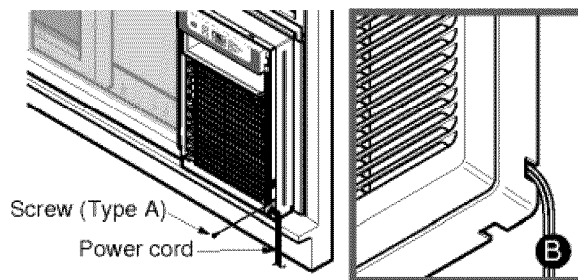
### Using slit "A"

- Fasten the stopper using Type A screw, and pass the power cord through slit "A".



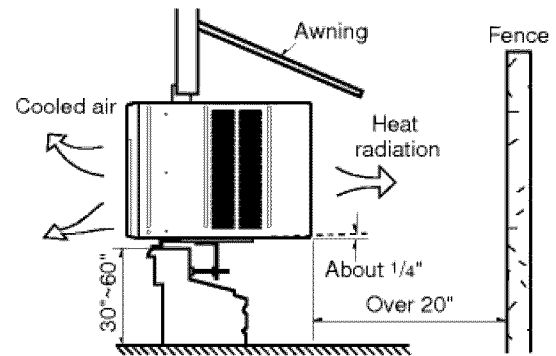
### Using slit "B"

- Fasten the stopper using left screw hole, and rotate properly to pass the power cord through slit "B".



## How to Install the Unit

1. To prevent vibration and noise, make sure the unit is installed securely and firmly
2. Install the unit where the sunlight does not shine directly on the unit.
3. The outside of the cabinet must extend outward for at least 14" and there should be no obstacles, such as a fence or wall, within 20" from the back of the cabinet because it will prevent heat radiation of the condenser. Restriction of outside air will greatly reduce the cooling efficiency of the air conditioner.

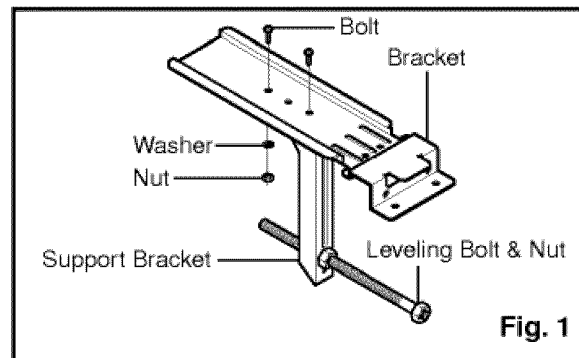


**NOTICE** All side louvers of the cabinet must remain exposed to the outside of the structure.

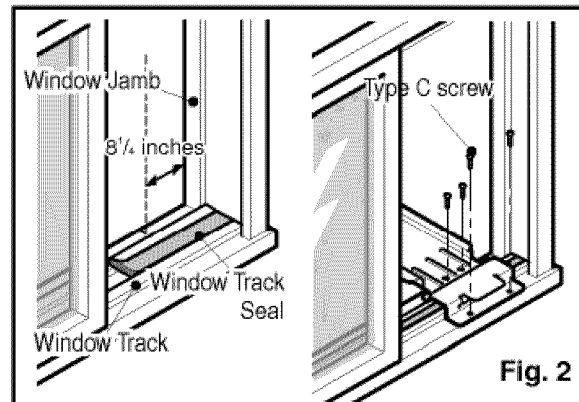
4. Install the unit at a slight incline so the back is slightly lower than the front (about 1/4"). This will force condensed water to flow to the outside.
5. Install the unit with the bottom about 30"~60" above the floor level.

## Horizontal Sliding Window Installation

1. Loosely attach the Support Bracket to the bottom of Bracket using Bolts, Washer, and Nuts. Attach the Leveling Bolt and Nut. (Fig. 1)



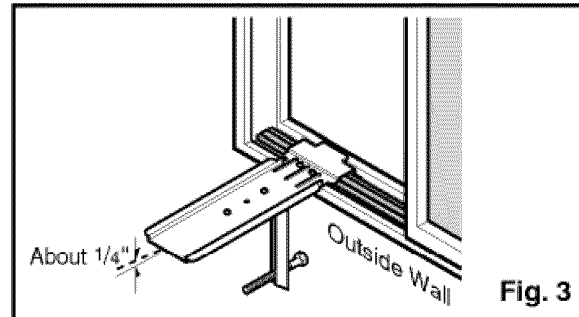
2. Remove protective backing from Window Track Seal and apply seal to window track. (Fig.2)



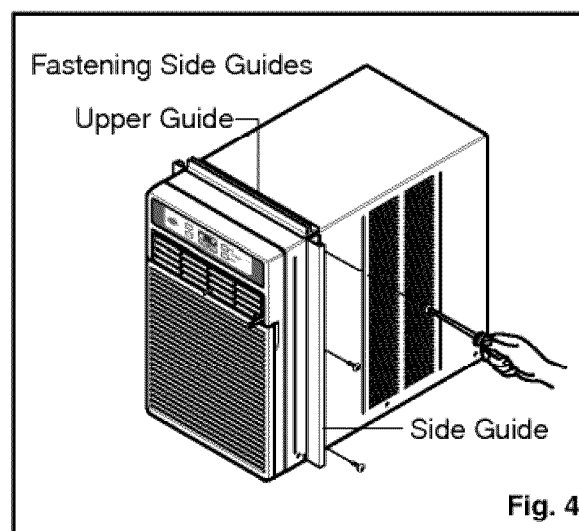
3. Measure and lightly mark a line 8-1/4 inches from window jamb. Center the Support Bracket assembly on the window track and fasten with 4 Type C screws.(Fig. 2)

4. Put the Support Bracket against the outside wall and tighten the Bolts on top of the Bracket. Adjust the Leveling Bolt so that the air conditioner will be installed with a very slight tilt (about 1/4") downward toward the outside for proper drainage. Tighten the nut. (Fig. 3)

**NOTICE** DO NOT drill a hole in the bottom of the base pan. The air conditioner is designed to operate with the bottom of the base pan approximately half-full of water.



5. Fasten Side Guides to the sides of the Air Conditioner using 3 Type A screws per Guide. Start with first screw at middle of Guide. (Fig. 4)



6. Fasten Upper Guide on the top of the Air Conditioner using 3 Type A screws. (Fig. 4)

7. Measure height of window opening from top of Bracket assembly as shown Fig. 5. Subtract 20-3/4 inches. Mark this measurement on Curtain and cut the Curtain. (Fig. 5)

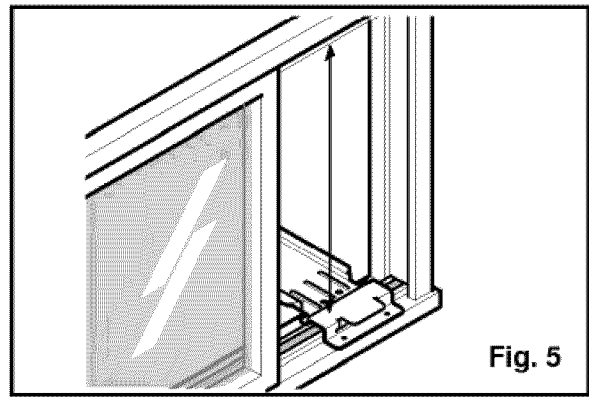


Fig. 5

8. Slide Curtain into Curtain Frame. Slide Curtain Frame assembly into side Guides of the Air Conditioner cabinet. Make sure Curtain is firmly enclosed on all sides by the Frame. (Fig. 6)

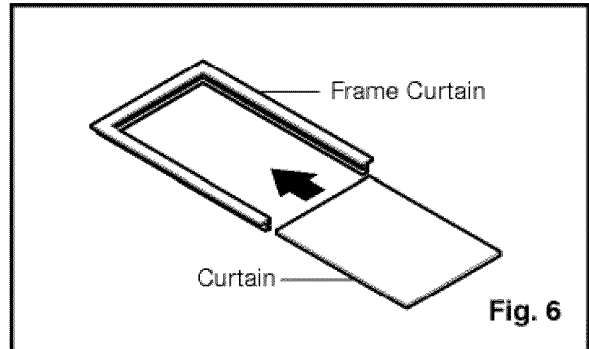


Fig. 6

9. Cut side Guide seal into 2 equal lengths. Remove protective backing and apply it to the rear side of cabinet Side Guides, starting just below Curtain Frame assembly. Pinch off excess length so seal is even with the bottom of side Guide. (Fig. 7)

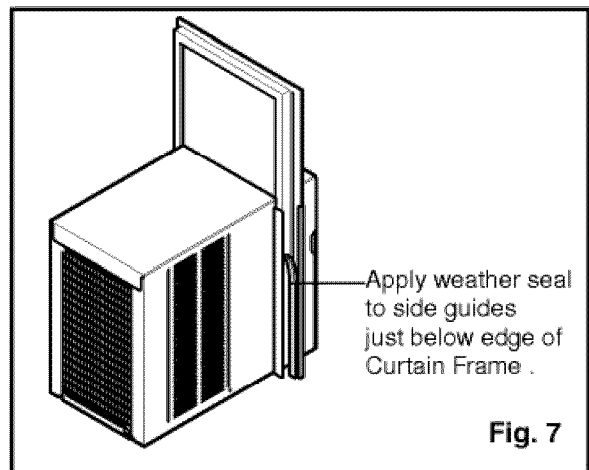


Fig. 7

10. Place Air Conditioner in window opening. It should sit on Bracket assembly so that Curtain Frame and cabinet Side Guides are against top and side window jambs. Mate front of Bracket with Base Guide attached to the bottom of base pan.

11. Drill 1/8 inch holes in window track through the existing holes on Base Guide. Screw 4 Type C screws through the holes. (Fig. 8)

12. If this is a casement window installation, proceed to Casement Window Installation. If not, slide inner window sash firmly against side of the cabinet.

13. Drill 1/8 inch hole in window jamb to align with the existing holes in the Curtain Frame. Attach Curtain Frame to window frame with 2 Type B screws. (Fig. 8)

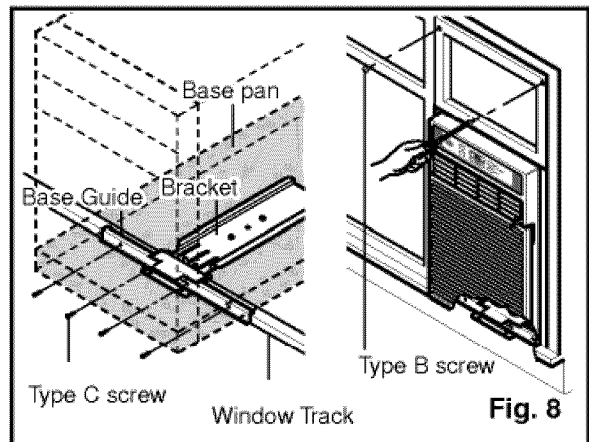
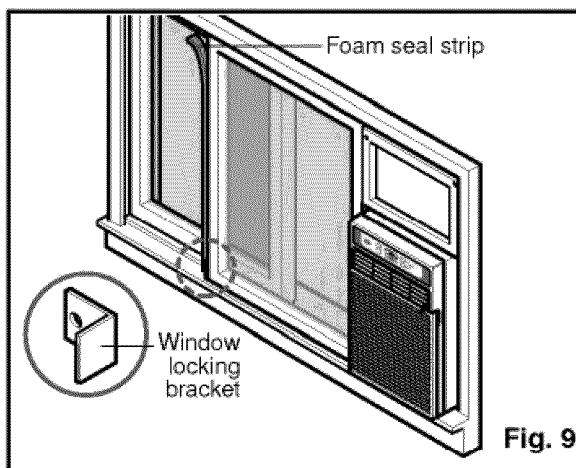


Fig. 8

**NOTICE** Check all seals and plug any remaining air gaps with a suitable weatherproof caulk.

14. If this is a casement window installation, proceed to Casement Window Installation. If not, stuff the Foam Seal Strip between the vertical sash and the window glass. (Fig. 9)
15. Attach the L Bracket with a Type B screw. (Fig. 9)



### Casement Window Installation

1. Installation procedure is the same as that described in steps 1 through 11 and step 13 of the Horizontal Sliding Window installation.
2. If the window opening is wider than 15-3/4 inches you will need to install a filler panel. Make this panel from 3/4 inch thick wood and run it the full length of the window. Attach it securely to the window frame and paint it to protect it from the weather.
3. Since styles and sizes of casement windows vary widely, it is advisable to have the air conditioner installed by someone skilled in this type of installation.

### Electrical Data

| Line Cord Plug  | Use Wall Receptacle  | Power Supply   |
|---|--|--|
| <p>Do not under any circumstances cut or remove the grounding prong from the plug.</p> <p>Power supply cord with 3-prong grounding plug</p> | <p>Standard 125V, 3-wire grounding receptacle rated 15A, 125V AC</p> | <p>Use 15 AMP, time delay fuse or circuit breaker.</p> |

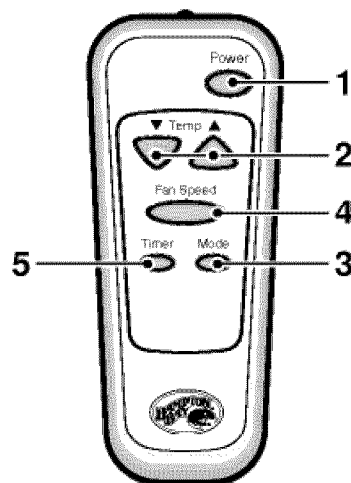
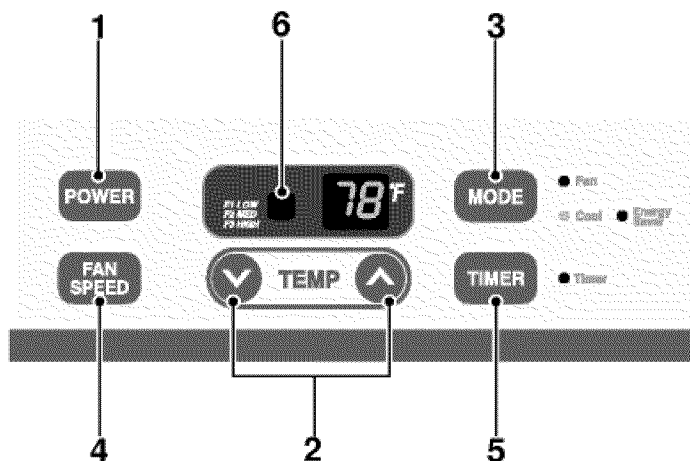
### Use of extension cords

Because of potential safety hazards, we strongly discourage the use of an extension cord. However, if you wish to use an extension cord, use a CSA certified/UL-listed 3-wire (grounding) extension cord, rated 15A, 125V.

# Operating Instructions

## Controls

The remote control and control panel will look like those represented in the following pictures.



## Remote Control Operations

### 1. POWER

- To turn the air conditioner ON, push this button. To turn the air conditioner OFF, push the button again.
- This button takes priority over any other button.
- When you first turn it on, the unit is in cool mode, high fan speed, temperature setting at 72°F.

### 2. TEMPERATURE SETTING

- Use this button to automatically control the temperature of the room. The temperature can be set within a range of 60°F to 86°F by increments of 1°F.

### 3. MODE

- Every time you push this button, it will cycle through the following modes: COOL, ENERGY SAVER and FAN.
- ENERGY SAVER
- The fan stops when the compressor stops cooling. Approximately every 3 minutes the fan will turn on and the unit will check the room air to determine if cooling is needed.

### 4. FAN SPEED

- Every time you push this button, it advances the setting as follows: {High(F3) → Low(F1) → Med(F2) → High(F3)}

### 5. TIMER

- SHUT-OFF TIME
- You will usually use shut-off time while you sleep.
- With unit running, use Timer to set number of hours until shut-off.
- For your sleeping comfort, once Time is set, the Temperature setting will raise 2°F after 30 min, and 2°F after another 30 min.
- Every time you push Timer button, it advances the Timer setting as follows: 1 Hour → 2 Hours → etc. → 12 Hours maximum.
- START TIME
- With unit not running, use timer to set number of hours before unit starts.
- Every time you push Timer button, it advances the Timer setting as follows: 1 Hour → 2 Hours → etc. → 12 Hours maximum.

### 6. REMOTE CONTROL SENSOR

#### AUTO RESTART

When power is restored after an electrical power failure, the unit will begin to run at its last setting.

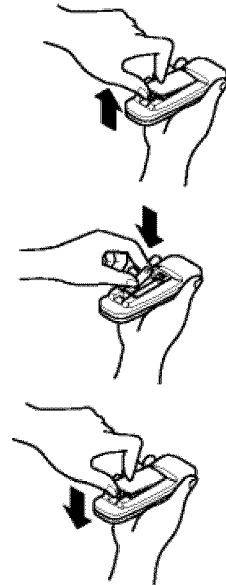


## Inserting the Remote Control Batteries

1. Push out the cover on the back of the remote control with your thumb.
2. Pay attention to polarity and insert two new AAA 1.5V batteries.
3. Reattach the cover.

**NOTICE** Do not use rechargeable batteries. Make sure that both batteries are new.

- In order to prevent discharge, remove the batteries from the remote control if the air conditioner is not going to be used for an extended period of time. Keep the remote control away from extremely hot or humid places. To maintain optimal operation of the remote control, the remote sensor should not be exposed to direct sunlight.



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## Additional Features

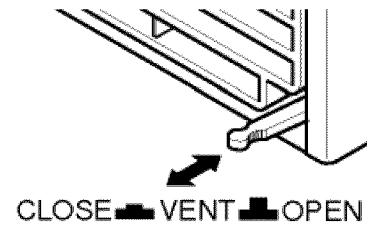
Additional controls and important information.

### Ventilation

The ventilation lever must be in the CLOSE position in order to maintain the best cooling conditions.

When fresh air is necessary in the room, set the ventilation lever to the OPEN position.

When the damper is opened and room air is exchanged with external air.

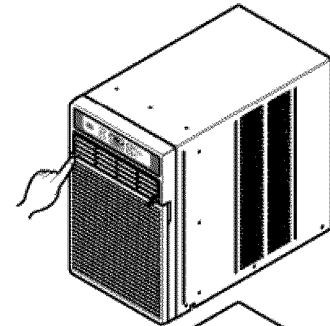


### Air Direction

The direction of air can be controlled wherever you want to cool by adjusting the horizontal louver and the vertical louver.

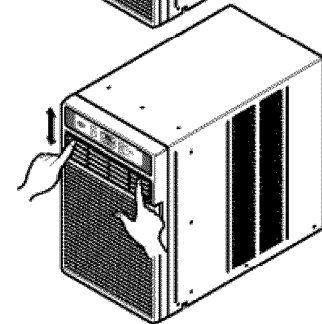
#### • HORIZONTAL AIR-DIRECTION CONTROL

The horizontal air direction is adjusted by rotating the vertical louver right or left.



#### • VERTICAL AIR-DIRECTION CONTROL

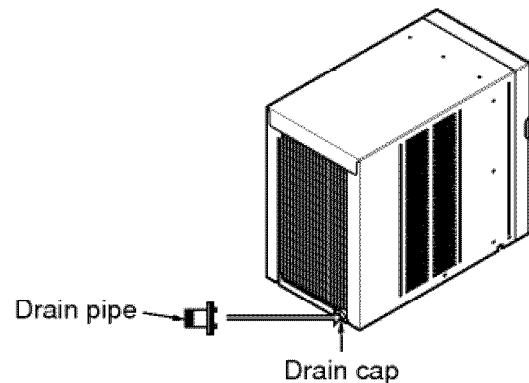
The vertical air direction is adjusted by rotating the horizontal louver forward or backward.



### How to Secure the Drain Pipe

In humid weather, excess water may cause the BASE PAN to overflow and be splashed on the side louver.

To drain the water, remove the DRAIN CAP and secure the DRAIN PIPE to the rear hole of the BASE PAN.



# Maintenance and Service

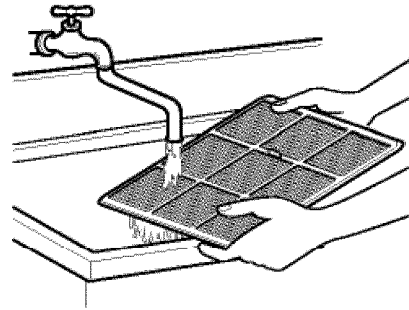
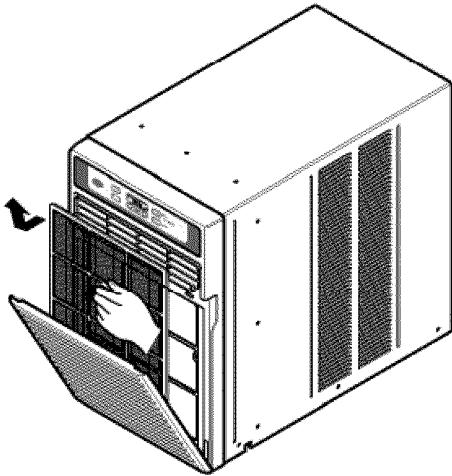
TURN THE AIR CONDITIONER OFF AND REMOVE THE PLUG FROM THE POWER OUTLET.

## Air Filter Cleaning

The air filter behind the front grille should be checked and cleaned at least once every 2 weeks or more often if necessary.

### To remove:

1. Open the inlet grille downward by pulling out the top of the inlet grille.
2. Remove the air filter from the front grille assembly by pulling the air filter up slightly.
3. Clean the filter with warm, soapy water below 40°C (104°F).
4. Rinse and gently shake the water from the filter and let it dry before replacing it.

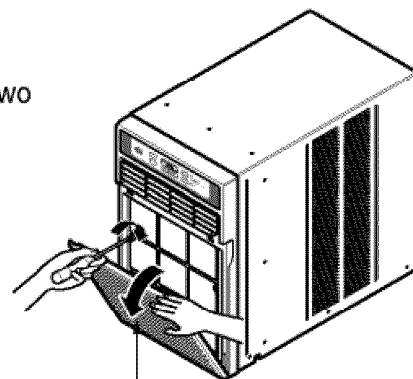


**CAUTION: DO NOT** operate the air conditioner without a filter because dirt and lint will clog it and reduce performance.

### NOTE!

Before using the air conditioner secure the front grille with two screws enclosed with the owner's manual.

1. Open the inlet grille downward and remove the air filter.
2. Fasten the front grille with screws.
3. Reinstall the air filter.
4. Close the inlet grille.



Inlet Grille

## Common Problems and Solutions

### Before calling for service

If you have problems with your air conditioner, read the following information and try to solve the problem. If you cannot find a solution, turn off the air conditioner and contact your dealer.

#### **Air conditioner does not operate**

1. Ensure that the air conditioner is plugged into a proper outlet.
2. Check the fuse or circuit breaker.
3. Check whether the voltage is unusually high or low.

#### **Air does not feel cold enough on the cooling setting**

1. Ensure that the temperature settings are correct.
2. Check to see if the air filter is clogged with dust. If so, replace the filter.
3. Ensure that the air flow from the outside is not obstructed and that there is a clearance of over 20" between the back of the air conditioner and the wall or fence behind it.
4. Close all doors and windows and check for any source of heat in the room.



Before calling for service, please review the following list of common problems and solutions.

#### ***The air conditioner is operating normally when:***

- You hear a pinging noise. This is caused by water being picked up by the fan on rainy days or in highly humid conditions. This feature is designed to help remove moisture in the air and improve cooling efficiency.
- You hear the thermostat click. This is caused by the compressor cycle starting and stopping.
- You see water dripping from the rear of the unit. Water may be collected in the base pan in highly humid conditions or on rainy days. This water overflows and drips from the rear of the unit.
- You hear the fan running while the compressor is silent. This is a normal operational feature.

## Troubleshooting

**The air conditioner may be operating abnormally when:**

| Problem                                     | Possible Causes  | What To Do   |
|---|--|--|
| The air conditioner does not operate at all | <ul style="list-style-type: none"> <li>■ The air conditioner is unplugged or not plugged in completely.</li> </ul> | <ul style="list-style-type: none"> <li>• Make sure the plug is completely plugged into the outlet.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>■ The fuse is blown/circuit breaker is triggered.</li> </ul>                | <ul style="list-style-type: none"> <li>• Check the fuse/circuit breaker box and replace the fuse or reset the breaker.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>■ Power failure.</li> </ul>   | <ul style="list-style-type: none"> <li>• In the event of a power failure, set the power control to OFF. When the power is restored, wait 3 minutes to restart the air conditioner to prevent the compressor from overloading.</li> </ul> |
| Air conditioner does not cool               | <ul style="list-style-type: none"> <li>■ Air flow is restricted.</li> </ul>  | <ul style="list-style-type: none"> <li>• Make sure there are no curtains, blinds, furniture or other obstacles in front of the air conditioner.</li> </ul>   |
|   | <ul style="list-style-type: none"> <li>■ TEMP Control set too higher number.</li> </ul>                            | <ul style="list-style-type: none"> <li>• Set the TEMP control to a lower number.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>■ The air filter is dirty.</li> </ul>                                       | <ul style="list-style-type: none"> <li>• Clean the filter at least every 2 weeks. Refer to the "Maintenance and Service" section (p.19) of the manual.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>■ The air conditioner was just turned on.</li> </ul>                        | <ul style="list-style-type: none"> <li>• After the air conditioner is turned on, you need to give the air conditioner some time to cool the room.</li> </ul>   |
|   | <ul style="list-style-type: none"> <li>■ Cold air is escaping.</li> </ul>  | <ul style="list-style-type: none"> <li>• Check for open furnace floor registers and cold air returns.</li> <li>• CLOSE the air conditioner vent.</li> </ul>  |
| Ice appears on the air conditioner.         | <ul style="list-style-type: none"> <li>■ Cooling coils are iced up.</li> </ul>                                     | <ul style="list-style-type: none"> <li>• See <b>Ice appears on the air conditioner</b> below</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>■ The cooling coils are iced over.</li> </ul>                               | <ul style="list-style-type: none"> <li>• Ice may block the air flow and obstruct the air conditioner from properly cooling the room. Set the mode control at High Fan or High Cool with the high temperature.</li> </ul>                 |