

OWNER'S MANUAL

# REFURBISHED AIR CONDITIONER

*Please read this manual carefully before operating your set and retain it for future reference.*

*TYPE : Through the Wall*

*MODELS: R-LT1037HNR and R-LT1237HNR*

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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.

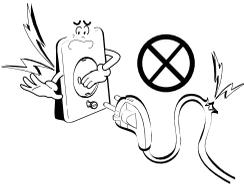
	<b>Be sure not to do.</b>
	<b>Be sure to follow the instruction.</b>

## ⚠ WARNING

### ■ Installation

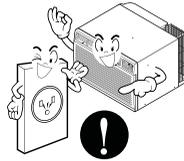
**Don't use a power cord, a plug, or a loose socket which is damaged.**

- Otherwise, it may cause a fire or electrical shock.



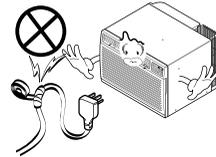
**Always plug into a grounded outlet.**

- Otherwise, it may cause a fire or electrical shock.



**Do not modify or extend the power cord length.**

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



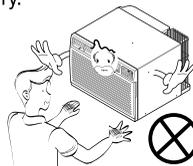
**Do not disassemble or modify products.**

- It may cause failure and electric shock.



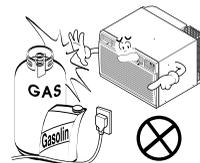
**Be caution when unpacking and installing.**

- Sharp edges may cause injury.



**Do not store flammables like gasoline, benzene, thinner, etc. near the air conditioner.**

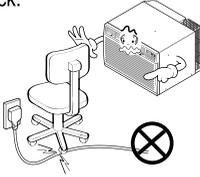
- It may cause explosion or fire.



## ■ Operation

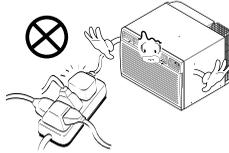
**Do not place heavy object on the power cord and take care so that the cord should not be pressed.**

- There is danger of fire or electric shock.



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

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



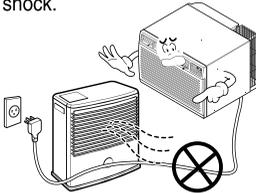
**Take the power plug out if necessary, holding the head of the plug and do not touch it with wet hands.**

- Otherwise, it may cause a fire or electrical shock.



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

- It may cause fire and electric shock.



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

- It will cause failure of machine or electric shock.



**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.



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

- Otherwise it may cause fire and electric shock accident.



**Do not open the suction inlet grill of the product during operation.**

- Otherwise, it may electrical shock and failure.

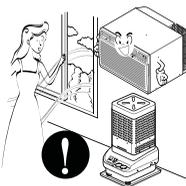


**If water enters the product, turn off the power switch of the main body of appliance. Contact service center after taking the power-plug out from the socket.**



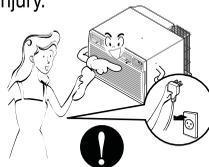
**No correlation between fan usage and oxygen depletion.**

- An oxygen shortage may occur.



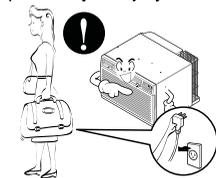
**Turn off the power and breaker first when cleansing the unit.**

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



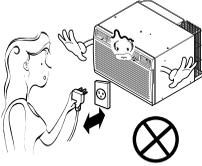
**Unplug the unit when not using it for a long time.**

- Prevent accidental startup and the possibility of injury.



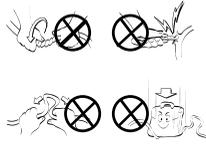
**Do not operate or stop the unit by inserting or pulling out the power plug.**

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



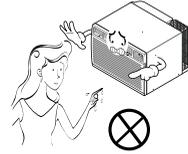
**Do not damage or use an unspecified power cord.**

- It will cause electric shock or fire.



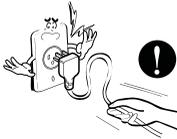
**Do not operate with wet hands or in damp environment.**

- It will cause electric shock.



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

- It may cause electric shock and damage.



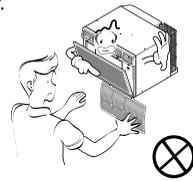
**When gas leaks, open the window for ventilation before operating the unit.**

- Otherwise, it may cause explosion, and a fire.



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

- They are sharp and may cause injury.



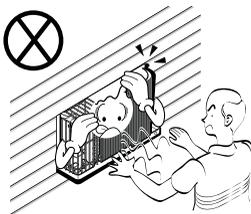
For inner cleaning, contact an Authorized Service Center or a dealer.  
Do not use harsh detergent that causes corrosion or damage on the unit.  
Harsh detergent may also cause failure of product, fire, or electric shock.

**CAUTION**

**Installation**

**Install the product so the exhaust and noise are not aimed directly at the neighbors.**

- Be considerate.



**Follow installation instructions exactly.**

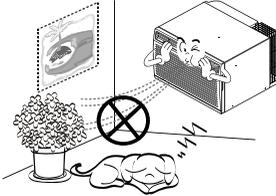
- Otherwise, it may cause vibration or water leakage.



## ■ Operation

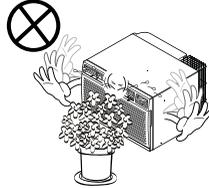
**Do not use this appliance for special purposes such as cooling pets, foods, precision machinery, or objects of art.**

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



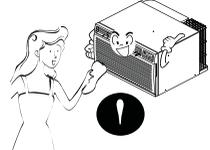
**Do not block the inlet or outlet of air flow.**

- It may cause product 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 step on the indoor/outdoor unit and do not put anything on it.**

- It may cause an injury through dropping of the unit or falling down.



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

- Operation without filters will cause failure.



**Do not drink water drained from air conditioner.**

- It contains contaminants and will make you sick.



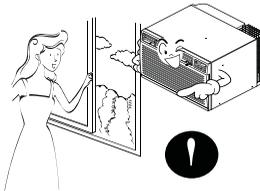
**Be cautious not to touch the sharp edges when installing.**

- It may cause injury.



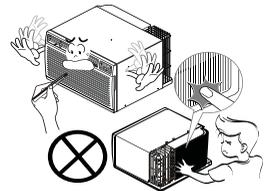
**Instead of running air conditioning constantly, open a window for fresh air occasionally.**

- You will feel better.



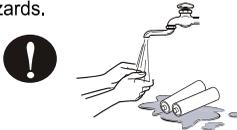
**Do not insert the hands or bars through the air inlet or outlet during operation.**

- Otherwise, it may cause personal injury.



**If the liquid from the battery gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the battery has leaked.**

- The chemicals in battery could cause burns or other health hazards.



**If you eat the liquid from the battery, brush your teeth and see doctor. Do not use the remote if the battery have leaked.**

- The chemicals in battery could cause burns or other health hazards.



# Before 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.
2. No correlation between fan usage and oxygen depletion.
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 an Authorized Service Center. See the warranty page for details or call (800) 243-0000. Have your model number and serial number available. They should be written on page 2 of this manual. If your unit is a refurbished model, email [support@arcaugusta.com](mailto:support@arcaugusta.com) for additional support information.

# Introduction

## Symbols Used in this Manual



This symbol alerts you to the risk of electric shock.



This symbol alerts you to hazards that could cause harm to the air conditioner.

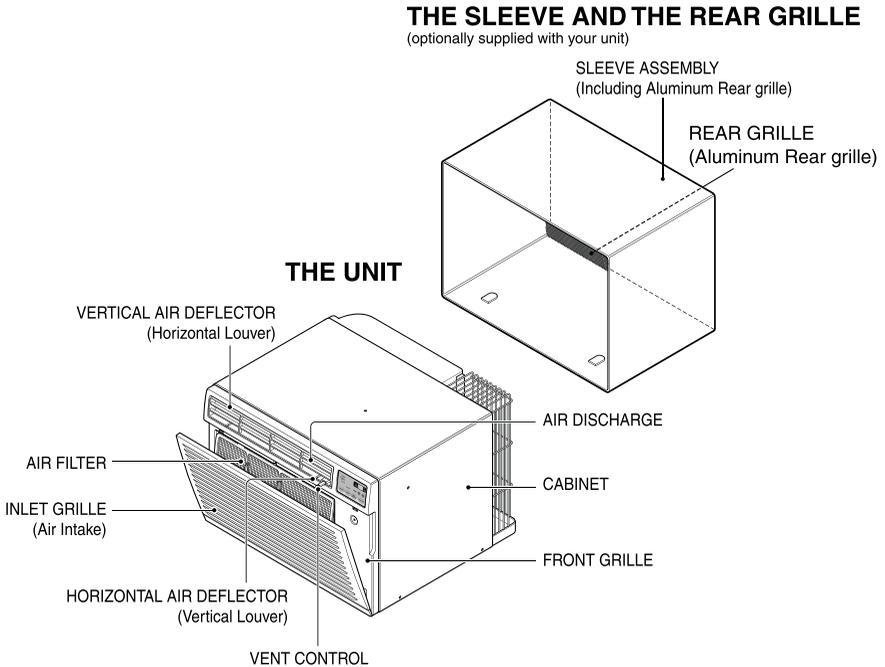
### **NOTICE**

This symbol indicates special notes.

## Features

### **⚠ WARNING**

This appliance should be installed in accordance with the National Electric Code.

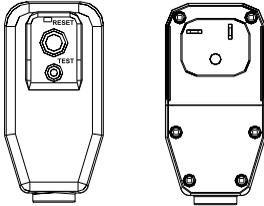


# Electrical Safety

## Electrical Data

ENGLISH

230 V~



Power cord may include a current interrupter device. A test and reset button is provided on the plug case. The device should be tested on a periodic basis by first pressing the **TEST** button and then the **RESET** button. If the **TEST** button does not trip or if the **RESET** button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.

### NOTICE

Use Wall Receptacle	Power Supply
 <p>Standard 250 V, 3-wire grounding receptacle rated 20 A, 250 V AC</p>	<p>Use 20 AMP. time delay fuse or 20 AMP. circuit breaker.</p>

### ⚠ WARNING

**Never push the test button during operation  
Otherwise this plug can damaged.**

Do not remove, modify, or immerse this plug.

If this device trips, the cause should be corrected before further use.

### ⚠ WARNING

#### USE OF EXTENSION CORDS

RISK OF FIRE could cause serious injury or death

DO NOT use an extension cord with this window air conditioner

DO NOT use surge protectors or multi-outlet adapters with this window air conditioner

### ⚠ CAUTION

The conductors inside this cord are surrounded by shields, which monitor leakage current.

These shields are not grounded.

Periodically examine the cord for any damage. Do not use this product in the event the shields become exposed.

Avoid shock hazard. This unit cannot be user-serviced. Do NOT open the tamper-resistant sealed portion.

All warranties and performance will be voided. This unit is not intended to be used as an ON/OFF switch.

## Electrical Safety

### **IMPORTANT (PLEASE READ CAREFULLY)**

**FOR THE USER'S PERSONAL SAFETY, THIS  
APPLIANCE MUST BE PROPERLY GROUNDED**

The power cord of this appliance is equipped with a three-prong (grounding) plug. Use this with a standard three-slot (grounding) wall power outlet to minimize the hazard of electric shock. The customer should have the wall receptacle and circuit checked by a qualified electrician to make sure the receptacle is properly grounded.

**DO NOT CUT OR REMOVE THE THIRD (GROUND)  
PRONG FROM THE POWER PLUG.**

#### **A. SITUATIONS WHEN THE APPLIANCE WILL BE DISCONNECTED OCCASIONALLY**

Because of potential safety hazards, we strongly discourage the use of an adapter plug. However, if you wish to use an adapter, a TEMPORARY CONNECTION may be made. Use UL-listed adapter, available from most local hardware stores.

The large slot in the adapter must be aligned with the large slot in the receptacle to assure a proper polarity connection.

#### **⚠ CAUTION**

**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. The customer should have the circuit checked by a qualified electrician to make sure the receptacle is properly grounded.**

Disconnect the power cord from the adapter, using one hand on each. Otherwise, the adapter ground terminal might break. DO NOT USE the appliance with a broken adapter plug.

#### **B. SITUATIONS WHEN THE APPLIANCE WILL BE DISCONNECTED OFTEN.**

Do not use an adapter plug in these situations. Unplugging the power cord frequently can lead to an eventual breakage of the ground terminal. The wall power outlet should be replaced by a three-slot (grounding) outlet instead.

# Installation

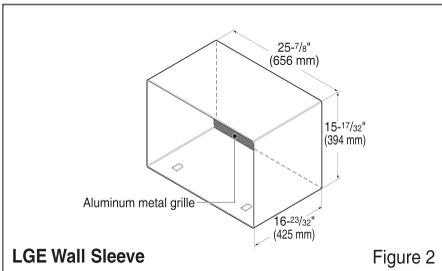
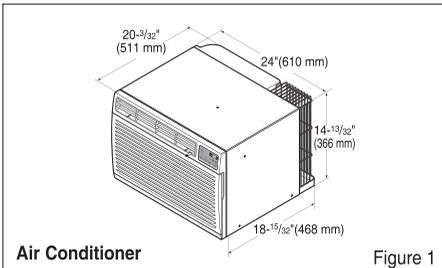
Remove packing materials from the wall sleeve and tape from the air conditioner.

## INSTALLATION REQUIREMENTS

If you use an existing wall sleeve, you should measure its dimensions.

Install the new air conditioner according to these installation instructions to achieve the best performance. All wall sleeves used to mount the new air conditioner must be in good structural condition and have a rear grille to securely attach the new air conditioner. (Figure 1)

With the LGE sleeve (optionally supplied with your unit), you can maintain the best performance of the new air conditioner. (Figure 2)

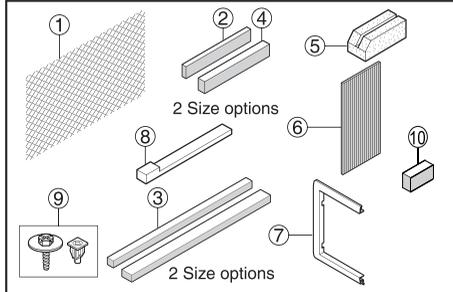


## ELECTRICAL SERVICE

Check your available electrical service. The power supply available must be the same as that shown on the unit nameplate (found on left side of cabinet).

All models are equipped with a 3-prong service plug to provide proper service and safe positive grounding. Do not change plug in any way. Do not use an adapter plug. If your present wall outlet does not match your plug, call a qualified electrician to make the necessary corrections. SAVE CARTON for storage and this OWNER'S MANUAL for future reference. The carton is the best way to store unit during winter or when not in use.

## INSTALLATION HARDWARE



ITEM	NAME OF PARTS	Q'TY
①	PLASTIC GRILLE	1
②	VERTICAL INSULATION STRIP	1
③	AROUND INSULATION STRIPS	2
④	HORIZONTAL INSULATION STRIP	1
⑤	SUPPORT BLOCK	2
⑥	BAFFLE	1
⑦	TRIM FRAME	2
⑧	SHIM	2
⑨	PLASTIC NUTS AND WASHER SCREWS	4
⑩	INSULATION STRIP	1

## ⚠ CAUTION

To avoid risk of personal injury, property damage, or product damage due to the weight of this device and sharp edges that may be exposed:

- Air conditioners covered in this manual pose an excessive weight hazard. Two or more people are needed to move and install the unit. To prevent injury or strain, use proper lifting and carrying techniques when moving unit.
- Carefully inspect location where air conditioner will be installed. Be sure it will support the weight of the unit over an extended period of time.
- Handle air conditioner with care. Wear protective gloves whenever lifting or carrying the unit. AVOID the sharp metal fins of front and rear coils.
- Make sure air conditioner does not fall during installation.

## REQUIRED TOOLS:

- Tight Fitting gloves
- Standard screwdriver
- Phillips screwdriver
- Pliers
- Sharp knife
- 3/8-inch open end wrench or adjustable wrench
- 1/4-inch hex socket and ratchet
- Tape measure
- Electric drill
- 1/4-inch drill bit

# INSTALLATION

## ⚠ CAUTION

We strongly recommend the removal of the old wall sleeve and the installation of a new LGE Wall Sleeve.

If you decide to keep the existing wall sleeve, you have to redirect the louvers at the back of the wall sleeve illustration. The use of pliers is recommended. If you DO NOT redirect, you run the risk of poor performance or product failure. This is not covered under the terms of the LGE warranty.

- Pick a location which will allow the conditioned air to blow into the area you want. Good installation with special attention to the proper position of the unit will lessen the chance that service will be needed.

## ITEMS IN INSTALLATION HARDWARE

You may not need all parts in the kit. Discard unused parts.

ITEM (inches)	Qty.
Plastic grille	26 <sup>3</sup> / <sub>4</sub> x 16 <sup>1</sup> / <sub>2</sub> 1
Vertical insulation strip	15 <sup>9</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>8</sub> 1
Around Insulation Strips	67 <sup>1</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>8</sub> x 25 <sup>3</sup> / <sub>32</sub> 1 59 <sup>27</sup> / <sub>32</sub> x 1 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>8</sub> 1
Horizontal Insulation Strip	26 <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>16</sub> 1
Support Block	1 <sup>3</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> x 4 <sup>5</sup> / <sub>16</sub> 2
Baffle	14 x 4 <sup>1</sup> / <sub>2</sub> x 1 <sup>1</sup> / <sub>8</sub> 1
Shim	11 <sup>13</sup> / <sub>16</sub> x 1 x 3 <sup>3</sup> / <sub>4</sub> 2
Trim Frame	2
Washer Screw	4
Nuts (Plastic)	4
Grille Rear	1
Insulation strip	5 <sup>5</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>16</sub> x 3 <sup>3</sup> / <sub>4</sub> 1

## HOW TO INSTALL

- 1 Identify the existing wall sleeve before installing the unit from the listed below.

Brand	Wall Sleeve Dimensions (inches)		
	Width	Height	Depth
White-Westinghouse Frigidaire Carrier (52F series)	25-1/2	15-1/4	16, 17-1/2 or 22
General Electric /Hotpoint	26	15-5/8	16-7/8
Whirlpool	25-7/8	16-1/2	17-1/8 or 23
Fedders/Emerson	27	16-3/4	16-3/4 or 19-3/4
LGE	25-7/8	15-17/32	16-23/32
Emerson/Fedders	26-3/4	15-3/4	15
Carrier (51S Series)	25-3/4	16-7/8	18-5/8
Friedrich	27	16-3/4	16-3/4

## NOTICE

All wall sleeves used to mount the new Air Conditioner must be in sound structural condition and have a rear grille that securely attaches to sleeve, or rear flange that serves as a stop for the Air Conditioner.

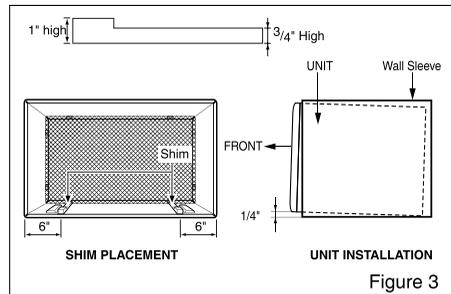
- 2 Remove the old airconditioner from existing wall sleeve.
- 3 Clean the interior of the existing sleeve. (Do not disturb seals.)
- 4 Wall sleeve must be securely fastened in wall before installing the air conditioner. Use the nails or screws through sleeve into wall, if needed. Repaint sleeve if needed.
- 5 Prepare the wall sleeve for installation of the unit. If you plan to use your existing wall sleeve, and it is not LGE, use procedure B or C below.

Procedure	Brand	Depth(inches)
A	LGE	16-23/32
B	White-Westinghouse Frigidaire Carrier (52F series)	16, 17-1/2 or 22
	General Electric /Hotpoint	16-7/8
	Whirlpool Carrier (51S series)	17-1/8 or 23 18-5/8
C	Fedders/Emerson	16-3/4 or 19-3/4
	Emerson/Fedders	15
	Friedrich	16-3/4

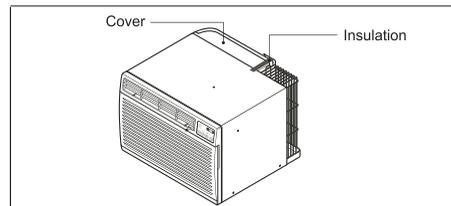
- 6 Install new unit into wall sleeve.

## ⚠ CAUTION

When installation is completed, the replacement unit MUST have a rearward slope as shown. To achieve 1/4" slope, remove the backing from the 11-13/16" shim strips and attach them as shown below in Fig. 3. Place the higher portion of the shim to the front of the rib on the base of the wall sleeve.

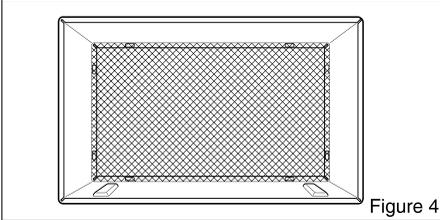


- 7 Remove the backing from the insulation strip 5<sup>5</sup>/<sub>16</sub> x 1<sup>3</sup>/<sub>16</sub> x 3<sup>3</sup>/<sub>4</sub> and attach that to the top of the cover as show below.

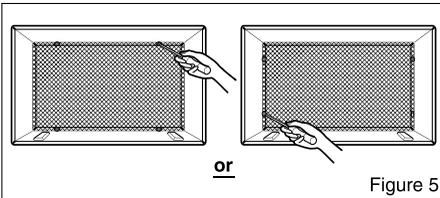


## PROCEDURE A

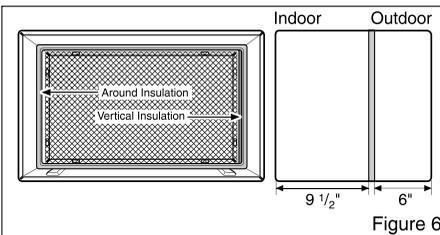
- 1 If you are using the new sleeve (optionally supplied with your unit), skip to step 3. Otherwise, install the plastic grille from the kit. Cut the plastic grille to 25-1/2" wide and 15-1/4" high. Place the plastic grille to the inside of the wall sleeve at the rear flange.



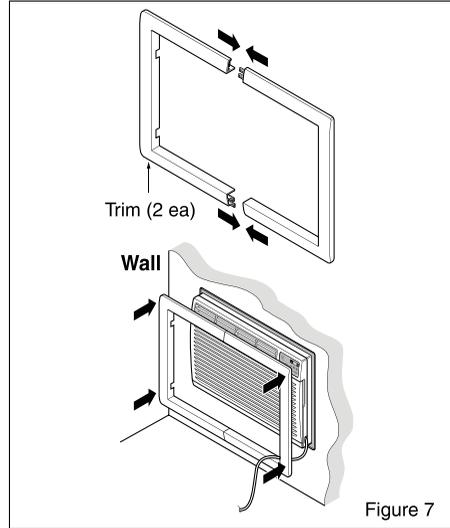
- 2 Fasten the 4 washer screws to secure the grille to the wall sleeve. If you need plastic nuts to mount plastic grille to the inside of the wall sleeve, there are plastic nuts in the installation kit. The nuts are installed from the inside of the sleeve and are pressed into the square holes of the rear flanges.



- 3 Remove the backing from the vertical insulation strip 15<sup>9</sup>/<sub>16</sub> x 1<sup>3</sup>/<sub>8</sub> x 1<sup>3</sup>/<sub>8</sub> and attach that to the inside right of the sleeve as shown below. Remove the backing from the around insulation strip 67<sup>1</sup>/<sub>8</sub> x 1<sup>3</sup>/<sub>8</sub> x 25<sup>5</sup>/<sub>32</sub> and attach that to the inside front of the sleeve as shown below.



- 4 Install the new unit into the wall sleeve.
- 5 To assemble trim, snap the tab of each piece into the slot of the other piece as shown below. Slide trim over the front of the air conditioner until trim is flush with sleeve as shown below.



### ⚠ CAUTION

- Air conditioners covered in this manual pose an excessive weight hazard. Two or more people are needed to move and install the unit. To prevent injury or strain, use proper lifting and carrying techniques when moving unit.
- When handling the air conditioner, be careful to avoid cuts from sharp metal fins on front and rear coils.
- Make sure air conditioner does not fall during removal.
- If unit does not operate after installation check, to be sure the circuit interrupter has not been tripped. Refer to the Troubleshooting guide for reset procedure.

## PROCEDURE B

- 1** Redirect the louvers at the back of the wall sleeve to 60° angle as shown in Figure 8. The use of pliers is recommended.

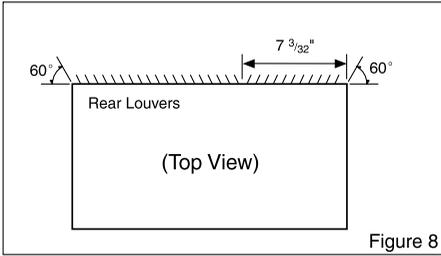


Figure 8

- 2** If the wall sleeve already has a rear grille, skip to step 4. If the wall sleeve does not have a rear grille or louvered panel, install the plastic grille from the kit. Cut the plastic grille to 25-1/2" wide and 15-1/4" high. Place the plastic grille to the inside of the wall sleeve at the rear flange.

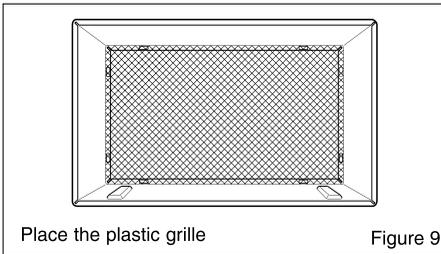


Figure 9

- 3** Fasten the 4 washer screws to secure the grille to the wall sleeve. If you need plastic nuts to mount plastic grille to the inside of the wall sleeve, there are plastic nuts in the installation kit. The nuts are installed from the inside of the sleeve and are pressed into the square holes of the rear flanges.

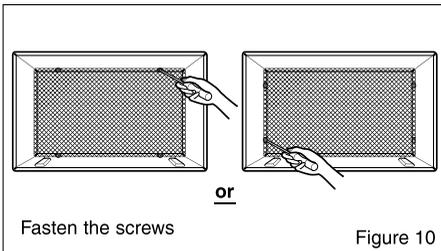


Figure 10

- 4** Remove the backing from the Vertical Insulation strip 15<sup>9</sup>/<sub>16</sub> x 1<sup>3</sup>/<sub>8</sub> x 1<sup>3</sup>/<sub>8</sub> and attach that to the inside right of the sleeve as shown below. Remove the backing from the Around Insulation strip 67<sup>1</sup>/<sub>8</sub> x 1<sup>3</sup>/<sub>8</sub> x 2<sup>5</sup>/<sub>32</sub> and attach that to the inside front of the sleeve as shown below.

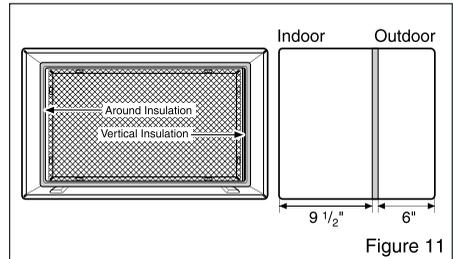


Figure 11

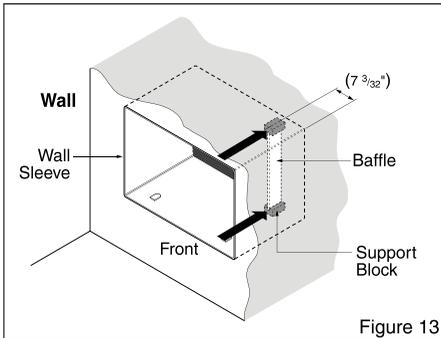
- 5** If the depth of your existing wall sleeve is less than or equal to 18", skip to step 6. Otherwise, cut the baffles and the support blocks according to length A in the table below.

Depth D of the existing wall sleeve (inches)	Length A (inches)
$18 < D \leq 18\text{-}^{5}/_{8}$	$3/4$
$18\text{-}^{5}/_{8} < D \leq 19\text{-}^{3}/_{4}$	$1\text{-}^{3}/_{4}$
$19\text{-}^{3}/_{4} < D \leq 22$	4

Figure 12

## PROCEDURE B

- 6** Remove the backing from the support blocks and attach them to the inside of the wall sleeve as shown in Figure 13. Slide the baffle into slots of the support blocks.



- 7** Install the new unit into the wall sleeve.
- 8** Assemble trim as described in Step 5, Procedure A.

### **!** CAUTION

- Air conditioners covered in this manual pose an excessive weight hazard. Two or more people are needed to move and install the unit. To prevent injury or strain, use proper lifting and carrying techniques when moving unit.
- When handling the air conditioner, be careful to avoid cuts from sharp metal fins on front and rear coils.
- Make sure air conditioner does not fall during removal.
- If unit does not operate after installation check, to be sure the circuit interrupter has not been tripped. Refer to the Troubleshooting guide for reset procedure.

## PROCEDURE C

- 1** Redirect the louvers at the back of the wall sleeve to 60° angle as shown in Figure 14. The use of pliers is recommended.

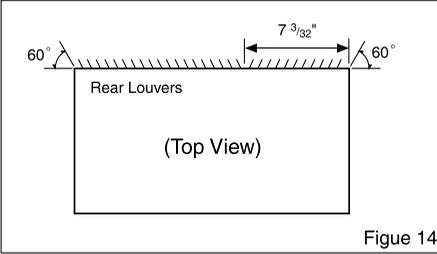


Figure 14

- 2** If the wall sleeve already has a rear grille, skip to step 4. If the wall sleeve does not have a rear grille or louvered panel, install the plastic grille from the kit. Cut the plastic grille to 26-1/2" wide and 15-1/2" high. Place the plastic grille to the inside of the wall sleeve at the rear flange.

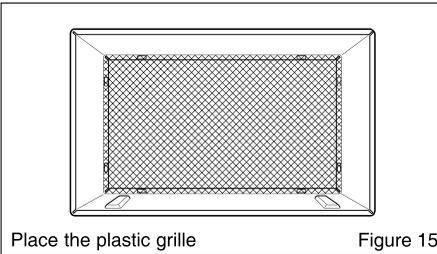


Figure 15

- 3** Fasten the 4 washer screws to secure the grille to the wall sleeve. If you need plastic nuts to mount plastic grille to the inside of the wall sleeve, there are plastic nuts in the installation kit. The nuts are installed from the inside of the sleeve and are pressed into the square holes of the rear flanges.

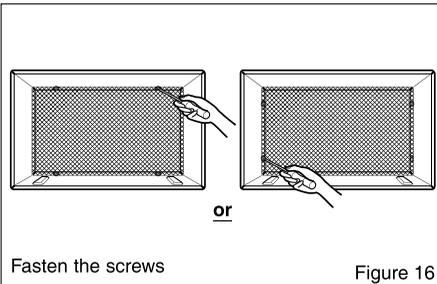


Figure 16

- 4** Remove the backing from the horizontal insulation strip 26<sup>3</sup>/<sub>4</sub> x 1<sup>3</sup>/<sub>8</sub> x 1<sup>3</sup>/<sub>16</sub> and attach that to the inside right of the sleeve as shown below. Remove the backing from the around insulation strip 59<sup>27</sup>/<sub>32</sub> x 1<sup>3</sup>/<sub>8</sub> x 1<sup>3</sup>/<sub>8</sub> and attach that to the inside front of the sleeve as shown below.

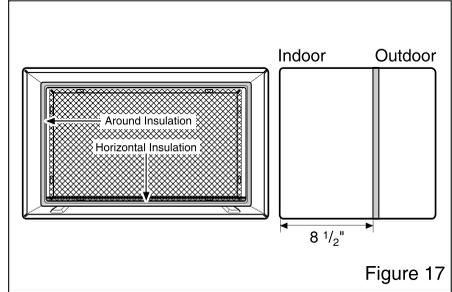


Figure 17

- 5** If the depth of your existing sleeve is less than or equal to 18", skip to step 7. Otherwise, cut the baffles and the support blocks according to Length A in the table below.

Depth D of the existing wall sleeve (inches)	Length A (inches)
$18 < D \leq 18\text{-}5/8$	$3/4$
$18\text{-}5/8 < D \leq 19\text{-}3/4$	$1\text{-}3/4$
$19\text{-}3/4 < D \leq 22$	4

**A**

Support Block

Baffle

Figure 18

- 6** Remove the backing from the support blocks and attach them to the inside of the wall sleeve as shown in Figure 19. Slide the baffle into slots of the support blocks

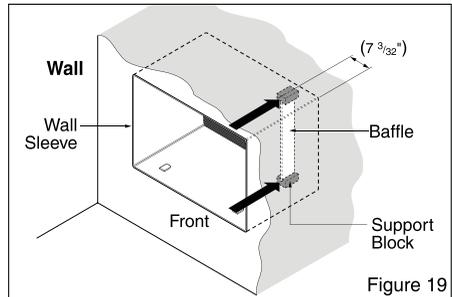
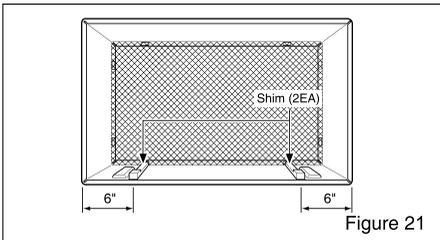
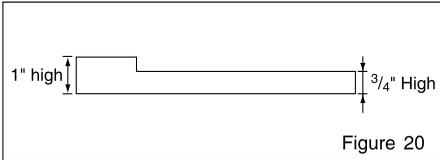


Figure 19

- 7** To achieve rearward slope for unit draining, remove the backing from the  $1\frac{11}{16}$ " shim strips and attach them as shown below in Figure 21. The higher portion of shim is to be placed in front of the rib on the base of wall sleeve.



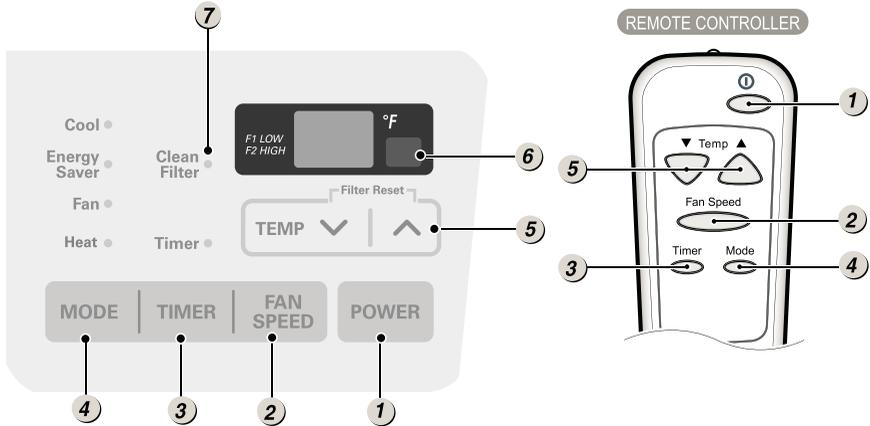
- 8** Install the new unit into the wall sleeve.
- 9** Assemble trim as described in Step 6, Procedure A.

### **⚠ CAUTION**

- Air conditioners covered in this manual pose an excessive weight hazard. Two or more people are needed to move and install the unit. To prevent injury or strain, use proper lifting and carrying techniques when moving unit.
- When handling the air conditioner, be careful to avoid cuts from sharp metal fins on front and rear coils.
- Make sure air conditioner does not fall during removal.
- If unit does not operate after installation check, to be sure the circuit interrupter has not been tripped. Refer to the Troubleshooting guide for reset procedure.

# Operating Instructions

## Remote Control Operations



### 1 POWER

Operation starts when this button is pressed and stops when you press the button again.

### 2 FAN SPEED SELECTOR

Use to set the fan speed to **Low (F1)**, **High (F2)**.

### 3 ON/OFF TIMER

**Delay ON** - when the air conditioner is off, it can be set to automatically turn on from 1 to 24 hours at its previous mode and fan settings.

**Delay OFF** - when the air conditioner is on, it can be set to automatically turn off from 1 to 24 hours.

### 4 OPERATION MODE SELECTOR

- Push the MODE button to rotate between Energy Saver / Cool / Fan / Heat.

**Energy Saver** - The fan stops when the compressor stops cooling.

Approximately every 3 minutes the fan will turn on and check the room air temperature if cooling is needed.

**Cool** - Compressor runs and cools the room. Use the  $\wedge/\vee$  and FAN buttons to set the desired temperature and circulation fan speed.

**Fan** - Fan circulates air but compressor does not run. Use the FAN button to set the desired fan speed.

**Heat-** Fan runs continually for normal heating operation.

## 5 TEMPERATURE CONTROL

The thermostat monitors room temperature to maintain the desired temperature. The thermostat can be set between 60°F~86°F (16°C~30°C).

## 6 REMOTE CONTROL SENSOR

## 7 CLEAN FILTER

'Clean Filter' LED will light up to notify you that your filter needs to be cleaned.

After cleaning the filter, press "Temp  $\wedge$   $\vee$ " together to turn off 'Clean Filter' light.

(Filter reset must be done from unit control panel not remote control).

### NOTICE

This feature is reminder to clean the Air Filter (See Maintenance) for more efficient operation. The LED (light) will illuminate after 250 hours of operation.

#### AUTO RESTART

*During operation in failure of electric power, the unit runs as previous setting operation.*

#### ENERGY SAVER

*The unit defaults to Energy Saver mode each time the unit is switched on except restoration after an electrical power outage and fan mode.*

## ⚠ CAUTION

The remote controller will not function properly if strong light strikes the sensor of the air conditioner or if there are obstacles between the remote controller and the air conditioner.

## Inserting the Remote Control Battery

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



### NOTICE

Do not use rechargeable battery. Make sure that the battery is new. Do not mix alkaline, standard (Carbon-zinc) or rechargeable (Nickel-cadmium) battery.

- 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.

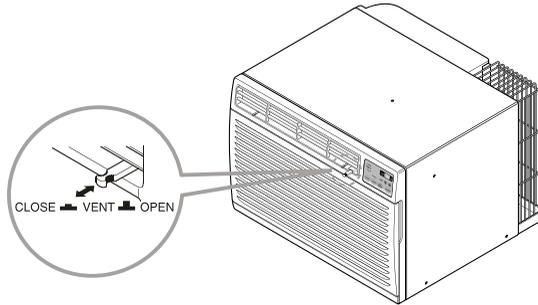
Keep the remote control away from extremely hot or humid places.

To maintain optimal operation of the remote control, the remote sensor should not be exposed to direct sunlight.



## Ventilation

The ventilation lever is located in the right of the air discharge. 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. The damper is opened and room air is exhausted outside.



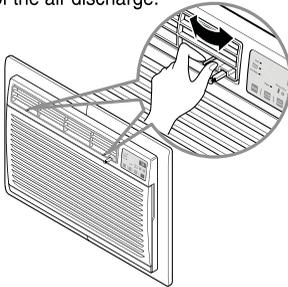
## Air Direction

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

### • HORIZONTAL AIR-DIRECTION CONTROL

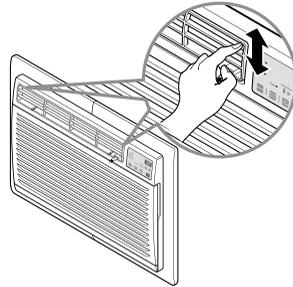
The horizontal air direction is adjusted by moving vertical louver.

The lever of vertical louver is located in the right and left side of the air discharge.



### • VERTICAL AIR-DIRECTION CONTROL

The vertical air direction is adjusted by moving the horizontal louver.



# Maintenance and Service

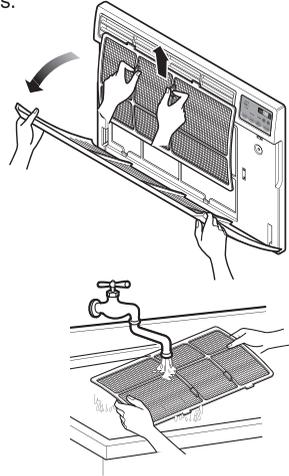
TURN THE AIR CONDITIONER OFF AND REMOVE THE PLUG FROM THE POWER OUTLET.

## Air Filter Cleaning

The air filter should be checked at least twice a month to see if cleaning is necessary. Trapped particles in the filter will build up and block the airflow. This reduces the cooling capacity and also causes an accumulation of frost on the cooling coils.

If the filter becomes torn or damaged you should replace immediately. Replacement filters are available from your salesperson, dealer, and the authorized customer service centers.

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. Wash the filter using lukewarm water below 40 °C (104 °F).
4. Gently shake the excess water from the filter completely. Replace the filter.



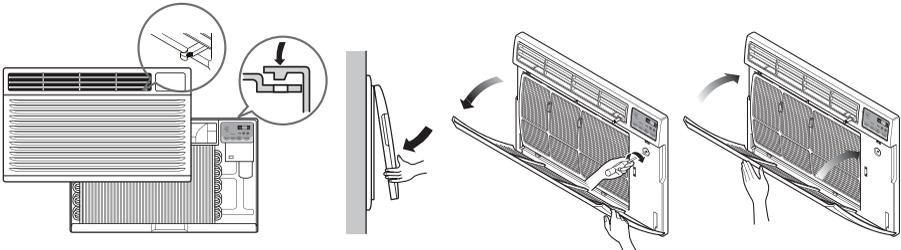
## How To Attach Front Grille To Cabinet

The front grille can be removed for cleaning or to check the model and serial numbers. For your safety, you should attach the front grille as the following procedures.

1. Pull down front grille from the cabinet top.
2. Push front grille's tips toward the cabinet in order to insert front grille's tabs into the cabinet.
3. Open the inlet grille.
4. Tighten the screw through the front grille into the plate of control box.
5. Close inlet grille.

### NOTICE

Guide the lever carefully through the grille as you push it in.



## 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 call 1-800-243-0000.

#### Air conditioner does not operate

1. Ensure that the air conditioner is plugged into an outlet of the proper voltage and amperage.
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, clean 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.

#### Water drip from the rear of the unit

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.

## Normal Sound

#### High pitched Chatter

Today's high efficiency compressors may have a high pitched chatter during the cooling cycle.

#### Sound of Rushing Air

At the front of the unit, you may hear the sound of rushing air being moved by the fan.

#### Gurgle/Hiss

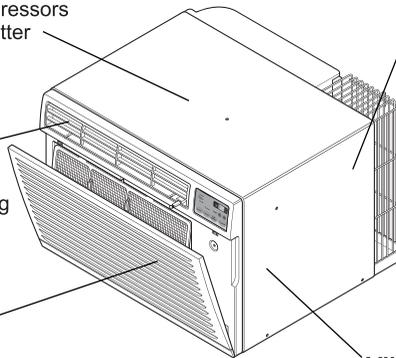
"Gurgling or hissing" noise may be heard due to refrigerant passing through evaporator during normal operation.

#### Pinging or Swishing

Droplets of water hitting condenser during normal operation may cause "pinging or swishing" sounds.

#### Vibration

Unit may vibrate and make noise because of poor wall or window construction or incorrect installation.



## Troubleshooting

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

Problem	Possible Causes	What To Do
Air conditioner does not start	The air conditioner is unplugged.	Make sure the air conditioner plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped.	Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	Power failure.	If power failure occurs, turn the mode control to Off. When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
	The current interrupter device is tripped.	Press the <b>RESET</b> button located on the power cord plug. If the <b>RESET</b> button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.
Air conditioner does not cool as it should	Airflow is restricted.	Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	The temp control may not be set correctly.	In <b>COOL</b> model, press the <b>DECREASE</b> ▼ pad.
	The air filter is dirty.	Clean the filter at least every 2 weeks. See the care and Maintenance section.
	The room may have been hot.	When the air conditioner is first turned on, you need to allow time for the room to cool down.
	Cold air is escaping.	Check for open furnace floor registers and cold air returns.
Air conditioner freezing up	Cooling coil have iced up.	See Air Conditioner Freezing Up below.
	The cooling coils are iced over.	Ice may block the air flow and obstruct the air conditioner from properly cooling the room. Set the mode control at <b>High Fan</b> or <b>High Cool</b> .
Water drips outside	Hot, humid weather.	This is normal.
Water drips indoors	The air conditioner is not tilted to the outside.	For proper water disposal, make sure the air conditioner slants slightly from the case front to the rear.
Water collects in base pan	Moisture removed from air and drains into base pan.	This is normal for a short period in areas with little humidity; normal for a longer period in very humid areas.
Air conditioner turns on and off rapidly.	Dirty air filter - air restricted.	Clean air filter.
	Outside temperature extremely hot.	Set FAN speed to a faster setting to bring air through cooling coils more frequently.
Noise when unit is cooling.	Air movement sound.	This is normal. If too loud, set to lower FAN setting.
	Window vibration - poor installation.	Refer to installation instructions or check with installer.
Remote Sensing Deactivating Prematurely.	Remote control not located within range.	Place remote control within 20 feet & 120° radius of the front of the unit.
	Remote control signal obstructed.	Remove obstruction.
Room too cold.	Set temperature too low.	Increase set temperature.

\* If you see "CH" in the display, please call 1-800-243-0000.