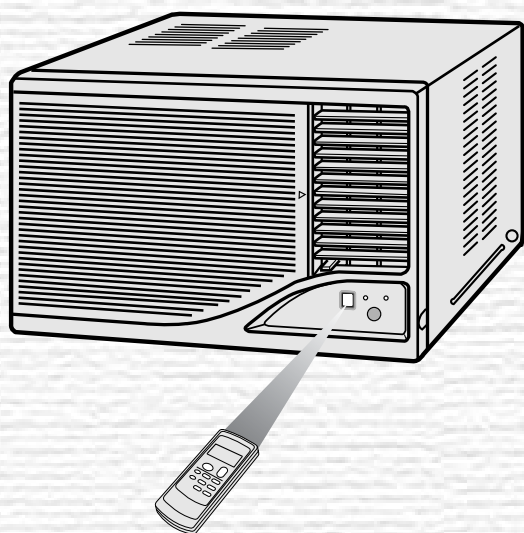


# SHARP



## AF-W12CME

### ROOM AIR CONDITIONER INSTALLATION AND OPERATION MANUAL

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Thank you for purchasing a SHARP air conditioner.  
Please read this manual carefully before installing or  
operating the product.  
The manual should be kept in a safe place for handy  
reference.

# OPERATION INSTRUCTIONS

## PRECAUTIONS

### WARNINGS FOR USE

- 1** Do not pull or deform the power supply cord. Pulling and misuse of the power supply cord can result in damage to the unit and cause electrical shock.
- 2** Be careful not to expose your body directly to the outlet air for a long time. It may affect your physical conditions.
- 3** When using the air conditioner for infants, children, elderly, bedridden, or disabled people make sure the room temperature is suitable for those in the room.
- 4** Never insert objects into the unit. Inserting objects can result in injury due to the high speed rotation of internal fans.
- 5** Ground the air conditioner without fail. Do not connect the grounding wire to gas pipe, water pipe, lightning rod or telephone grounding wire. Incomplete grounding may cause electric shock.
- 6** If anything is abnormal with the air conditioner (ex. a burning smell), stop the operation immediately and turn the circuit breaker OFF.
- 7** The appliance shall be installed in accordance with national wiring regulations. Improper cable connection can cause the power supply cord, plug and the electrical outlet to overheat and cause fire.
- 8** If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard. Use only the manufacture-specified power cord for replacement.

### CAUTIONS FOR USE

- 1** Open a window or door periodically to ventilate the room, especially when using gas appliances. Insufficient ventilation may cause oxygen shortage.
- 2** Do not operate the buttons with wet hand. It may cause electric shock.
- 3** For safety, turn the circuit breaker off when not using the unit for an extended period of time.
- 4** This unit is designed for residential use. Do not use for other applications such as in a kennel or greenhouse to raise animals or grow plants.
- 5** Do not place a vessel with water on the unit. If water penetrates into the unit, electrical insulations may deteriorate and cause electric shock.
- 6** Do not block the air inlets nor outlets of the unit. It may cause insufficient performance or troubles.

# PRECAUTIONS

- 7** Be sure to stop the operation and turn the circuit breaker off before performing any maintenance or cleaning. A fan is rotating inside the unit and you may get injured.
- 8** Do not splash or pour water directly on the unit. Water can cause electrical shock or equipment damage.
- 9** This appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.

## CAUTIONS FOR LOCATION / INSTALLATION

- Make sure to connect the air conditioner to power supply of the rated voltage and frequency. Use of a power supply with improper voltage and frequency can result in equipment damage and possible fire.
- Do not install the unit in a place where inflammable gas may leak. It may cause fire. Install the unit in a place with minimal dust, fumes and moisture in the air.
- Arrange the drain hose to ensure smooth drainage. Insufficient drainage may cause wetting of the room, furniture etc.
- Make sure a leak breaker or a circuit breaker is installed, depending on the installation location, to avoid electrical shock.

## ADDITIONAL NOTES ON OPERATION

### OPERATING TEMPERATURE CONDITION

	INDOOR TEMP.	OUTDOOR TEMP.
upper limit	32°C D.B.	52°C D.B.
	23°C W.B.	-
lower limit	21°C D.B.	21°C D.B.
	15°C W.B.	-

- The built-in protective device may prevent the unit from operating when used out of this range.
- Condensation may form on the air outlet if the unit operates continuously in the COOL or DRY mode when humidity is over 80 percent.

### WATER IN THE BOTTOM TRAY

Water will be collected at the bottom tray of the unit. This is normal condition. Water condenses on the evaporator coil in the front part of the unit and is channeled to the rear where it is picked up by the condenser fan. The water is blown onto the condenser coil fins, this creates a "splashing" sound which is normal. When the tray is filled up with water, excessive water will be drained outside through a grooved channel in the tray.

### WAIT 3 MINUTES UNTIL COOLING OPERATION STARTS

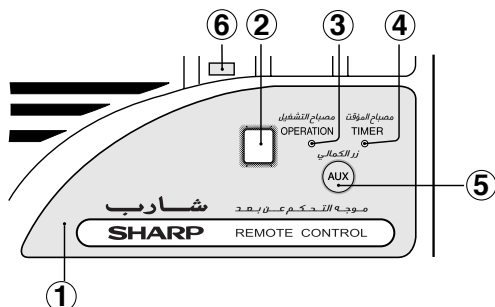
When you turn the air conditioner OFF and restart it again soon, wait at least 3 minutes before the cooling operation starts. This is because the compressor stops for 3 minutes for its protection.

### IF A POWER FAILURE OCCURS DURING OPERATION, WAIT 3 MINUTES BEFORE RESTARTING THE OPERATION

After power is reinstated, restart the air conditioner. If the power was off less than 3 minutes, be sure to wait at least three minutes before restarting the unit. If you restart the air conditioner within 3 minutes, a protective device in the unit may cause the air conditioner to shut off. This protective device will prevent COOL/DRY operation for about 5 minutes.

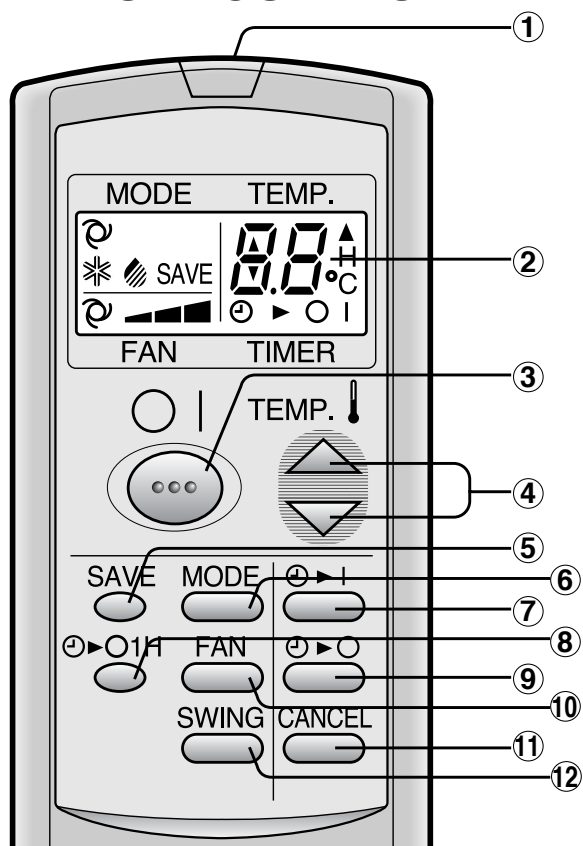
# CONTROLS

## UNIT



- ① Control panel
- ② Receiver Window
- ③ Operation Lamp (Red)
- ④ Timer Lamp (Yellow)
- ⑤ AUX. Button
- ⑥ Ventilation lever

## REMOTE CONTROL



- ① TRANSMITTER
- ② DISPLAY (Liquid Crystal Display)
- ③ ON/OFF Button
- ④ THERMO. (Thermostat) Button
- ⑤ SAVE Button
- ⑥ MODE Button
- ⑦ TIMER ON Button (for setting the timer)
- ⑧ ONE-HOUR OFF TIMER Button
- ⑨ TIMER OFF Button (for setting the timer)
- ⑩ FAN Button
- ⑪ TIMER CANCEL Button
- ⑫ SWING Button

## L.C.D. REMOTE CONTROL DISPLAY

### ⑬ MODE SYMBOLS

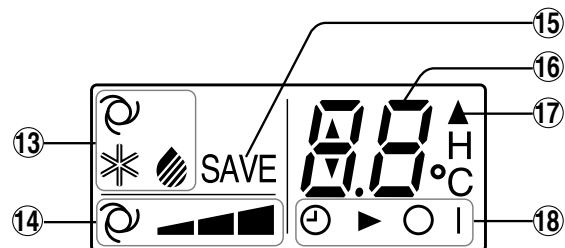


### ⑭ FAN SPEED SYMBOLS



### ⑮ SAVE SYMBOL

### ⑯ TEMPERATURE AND TIMER COUNT DOWN INDICATOR



### ⑰ TRANSMITTING SYMBOL

### ⑱ TIMER ON/TIMER OFF INDICATOR

Indicates when timer on or timer off is set.

# USING THE REMOTE CONTROL

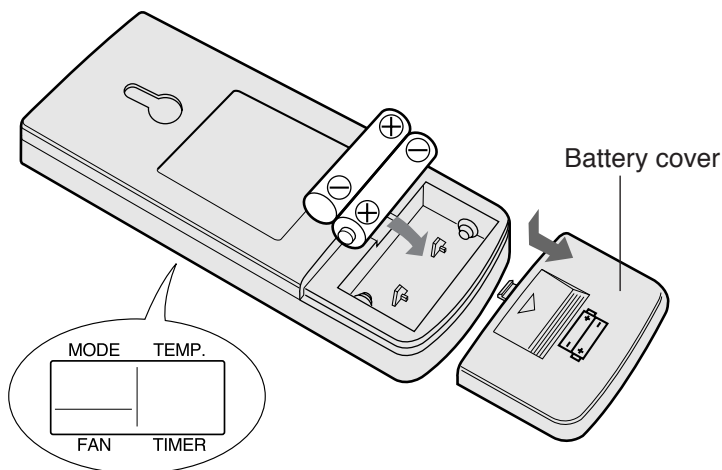
## INSTALLING BATTERIES Use two size-AAA (R03) batteries.

**1** Remove the battery cover at the back of the remote control.

**2** Insert batteries in the compartment, making sure the  $\oplus$  and  $\ominus$  polarities are correctly aligned.

- Lines will be indicated on the display when batteries are properly installed.

**3** Reinstall the battery cover.



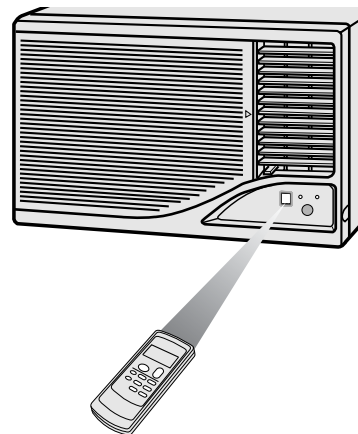
### NOTES:

- The battery life is approximately one year with normal use.
- When you replace the batteries, always use two new ones of the same type.
- If the remote control does not operate normally after replacing the batteries, take out the batteries and replace them again after 30 seconds.
- If you will not be using the unit for a long time, remove the batteries from the remote control.

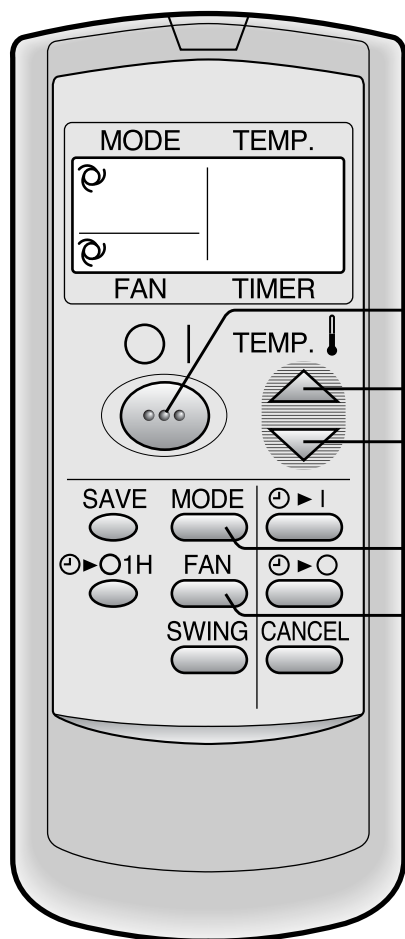
## HOW TO USE THE REMOTE CONTROL

**Point the remote control towards the unit's receiver window and press the desired button. A beep sound will be emitted when the unit receives the signal.**

- Make sure no objects, such as curtains, are between the remote control and the unit.
- The remote control operates from up to 7 meters away.
- Do not expose the receiver window to strong, direct sunlight, which can adversely affect its operation. In such case, close the curtains to block the sunlight.
- Use of a fluorescent lamp with a quick starter in the same room might interfere with transmission of the signal.
- The unit might be affected by signals emitted from the remote control of a television, VCR or other equipment used in the same room.
- Do not leave the remote control in direct sunlight or near a heater. Also, protect the unit and remote control from moisture and shock which can discolour or damage them.

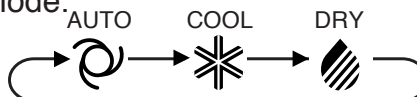


# BASIC OPERATION



1

Press the MODE button to select the operation mode.



2

Press the ON/OFF button to start operation.

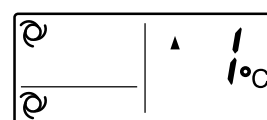
- The red OPERATION lamp on the unit will light up.

3

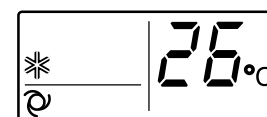
Press the THERMO. button to set the desired temperature.

- In the AUTO and DRY mode, the temperature can be changed in 1°C increments within the range of 2°C higher to 2°C lower from the temperature automatically determined by the air conditioner.
- In the COOL mode, the temperature can be set within the range of 18 °C to 32 °C.

## AUTO/DRY MODE



## COOL MODE



4

Press the FAN button to set the desired fan speed.



- In the DRY mode, the fan speed is preset to AUTO and cannot be changed.

5

To turn off the unit, press the ON/OFF button again.

- The red OPERATION lamp on the unit will turn off.

## TIPS ABOUT AUTO MODE

In the AUTO MODE, the temperature setting and mode are automatically selected depending on the room temperature when the unit is turned on.

Room temperature at start up	Mode	Preset temperature
Over 28°C	COOL	26°C
Over 26°C up to 28°C		25°C
26°C or below	DRY	Room Temp. -2°C

## NOTE:

When the room temperature drops during cooling or dry operation, the operation may turn to fan mode or the operation may stop automatically.

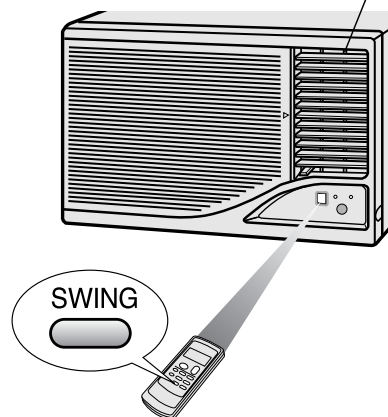
# AIR FLOW AND VENTILATION

## LEFT/RIGHT AIR FLOW ADJUSTMENT

Adjust the louvers to change the direction of air flow. Press the SWING button on the remote control, and the Left/Right air flow adjustment louvers will swing continuously. Press the button again to stop. You can adjust the air flow to your desired direction.

Never attempt to move the Left/Right air flow adjustment louvers manually, or manually force the louver movement to stop during swing operation.

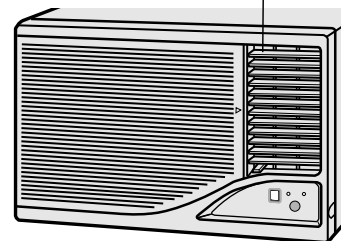
Left/Right air flow adjustment louvers (Automatic)



## UP/DOWN AIR FLOW ADJUSTMENT

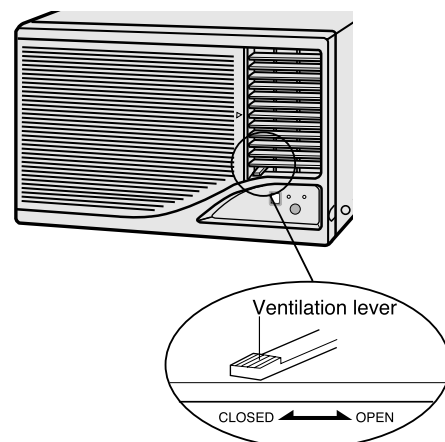
Airflow direction can be adjusted by moving the airflow adjustment louvers upward or downward. To avoid condensation on the louvers, please do not adjust these louvers to extremely downward position during COOL and DRY modes.

Up/Down air flow adjustment louvers



## VENTILATION LEVER

If air in your room is stale, set the VENTILATION lever to the RIGHT (OPEN) position. This will remove stale air from the room. The VENTILATION lever should normally be kept in the LEFT (CLOSED) position during cooling operation for maximum cooling effect.





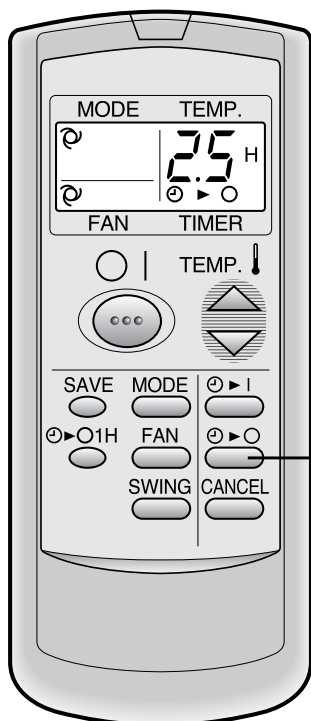
# TIMER OPERATION

## TIMER OFF

The unit will turn off automatically according to your setting.

Timer duration can be set from minimum 0.5 hours (30 minutes) to maximum 12 hours.

Up to 9.5 hours, you can set by 0.5 hours (30 minutes) increments and from 10 to 12 hours, by 1 hour increment.



**1** Press the TIMER OFF (⊙▶○) button and set time as desired.

- The time setting will change as you press the button as follows,

▶ 0.5H ▶ 1.0H ▶ 1.5H ..... ▶ 10H ▶ 11H ▶ 12H

Hold the button pressed down for fast setting.

- The yellow TIMER lamp on the unit will light up.
- The unit will generate a beep when it receives the signal.
- The time setting will count down to show remaining time.

**Example :** When you wish to stop the operation 2.5 hours later.

### TIPS ABOUT TIMER OFF OPERATION

When the TIMER OFF is set, the temperature setting is automatically adjusted to prevent the room from becoming excessively cold while you sleep. (Auto Sleep function)

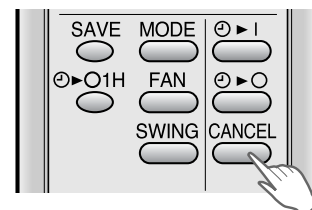
#### COOL/DRY MODE:

- One hour after the timer operation begins, the temperature setting rises 1°C higher than the original thermostat setting.

### TO CANCEL TIMER

Press the CANCEL button.

- The yellow TIMER lamp on the unit will turn off.



### TO CHANGE TIMER SETTING

Press the TIMER button which you wish to change, (TIMER OFF or TIMER ON) and change the time setting.

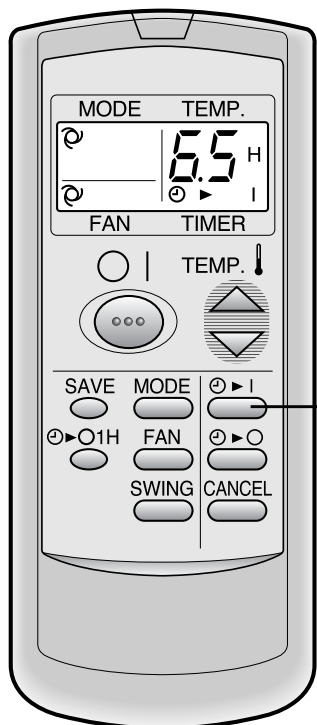


## TIMER ON

The unit will turn on automatically according to your setting.

Timer duration can be set from minimum 0.5 hours (30 minutes) to maximum 12 hours.

Up to 9.5 hours, you can set by 0.5 hours (30 minutes) increments and from 10 to 12 hours, by 1 hour increment.



**Example :** When you wish the room temperature to be as desired 6.5 hours later.

**1** Press the TIMER ON ( ) button.

- The time setting will change as you press the button as follows.

→ 0.5H → 1.0H → 1.5H ..... → 10H → 11H → 12H

Hold the button pressed down for fast setting.

- The yellow TIMER lamp on the unit will light up.
- The unit will generate a beep when it receives the signal.
- The time setting will count down to show remaining time.

Select the mode, temperature and fan speed setting as desired.

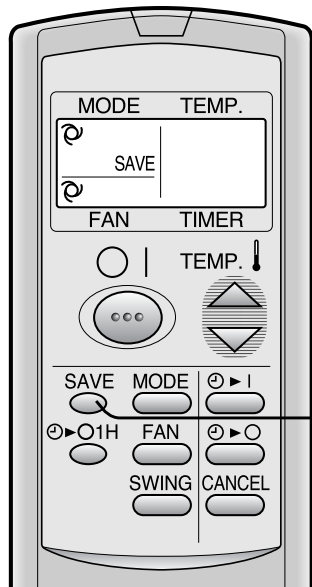
- When the temperature is set with the TIMER ON, the temperature will show in the display for 5 seconds and then return to the time display.
- If you do not change the setting, the unit will operate with the latest setting.
- The unit will turn on prior to the set time to allow the room to reach the desired temperature by the programmed time. (Awaking function)

### NOTES FOR TIMER SETTING AND OPERATION

- The latest time setting will be memorized and will appear on the remote control display the next time you set the TIMER OFF or TIMER ON.
- TIMER OFF and TIMER ON can not be set together.  
The latest set TIMER will be active.
- When ONE-HOUR OFF TIMER is set, TIMER OFF and TIMER ON will not be available.
- When ONE-HOUR OFF TIMER is set during TIMER OFF or TIMER ON duration, the TIMER ON or TIMER OFF will be cancelled.

## SAVE OPERATION

With the **SAVE** operation, the temperature setting rises 1°C higher than the original thermostat setting. It offers you efficient and economical operation when used during seasons and hours with low outdoor temperature, such as night time.



- 1 Press the **SAVE** button during operation.
  - The remote control displays "SAVE".

### TO CANCEL

Press the **SAVE** button again.

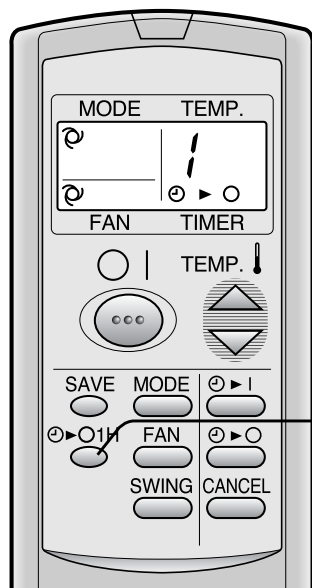
- **SAVE** operation will also be cancelled when the mode is changed, or when the unit is turned off.

### NOTE:

- **SAVE** operation cannot be set during **DRY** operation.

## ONE-HOUR OFF TIMER

When the **ONE-HOUR OFF TIMER** is set, the unit will stop operating after one hour.



- 1 Press the **ONE-HOUR OFF TIMER** button.
  - The remote control displays "1 ⌚ ▶ ○".
  - The unit will stop operating after one hour.

### TO CANCEL

Press the **CANCEL** button.

Or, turn the unit off by pressing the **ON/OFF** button.

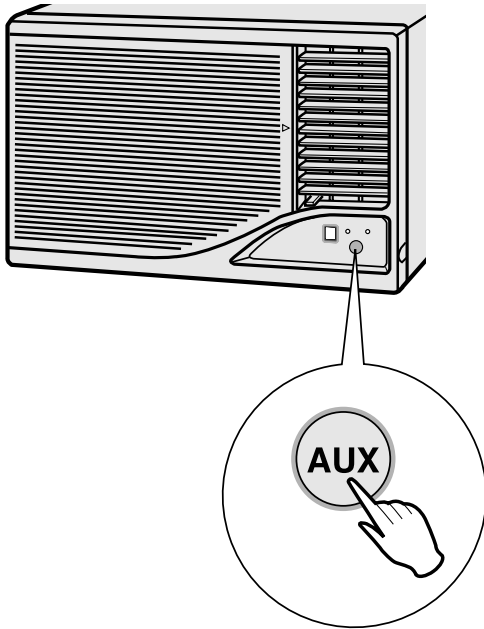
- The red **OPERATION** lamp on the unit will turn off.

### NOTES:

- The **ONE-HOUR OFF TIMER** operation has priority over **TIMER ON** and **TIMER OFF** operations.
- When the **ONE-HOUR OFF TIMER** is set while the unit is not operating, the unit will operate for an hour with the formerly set condition.
- If you wish to operate the unit for another hour before the **ONE-HOUR OFF-TIMER** activates, press the **ONE-HOUR OFF-TIMER** button again during operation.

# AUXILIARY MODE

Use this mode when the remote control is not available.



## TO TURN ON

Press the AUX. button on the unit's control panel.

- The red OPERATION lamp on the unit will light up and the unit will start operating in the AUTO mode.
- The fan speed and temperature setting are set to AUTO.
- Left/Right air flow adjustment louvers will swing continuously.

## TO TURN OFF

Press the AUX. button on the control panel again.

- The red OPERATION lamp on the unit will go out.

## NOTE:

If the AUX. button is pressed during normal operation, the unit will turn off.

# MAINTENANCE

Be sure to disconnect the power cord from the wall outlet or turn off the circuit breaker before performing any maintenance.

## CLEANING THE FILTER

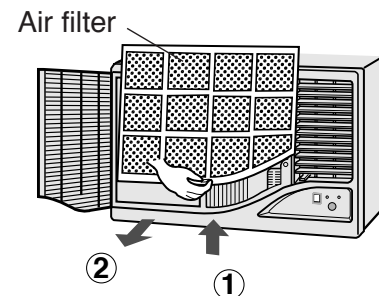
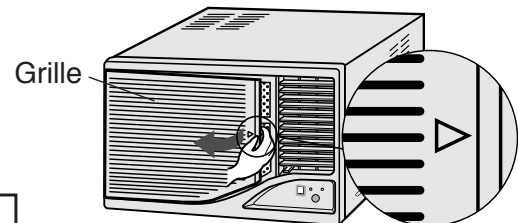
If the filter is clogged with dust, the amount of air flow will be reduced, resulting in poor cooling performance. The filter should be cleaned every 10 days. At the beginning of every cooling season or if the air conditioner has not been used for a long period, clean the filter before starting to operate the unit.

### 1. REMOVE THE FILTER

Open the grille by gently pulling the arrow marked portion. Then lift and unhook the bottom of the air filter and remove it.

#### CAUTION:

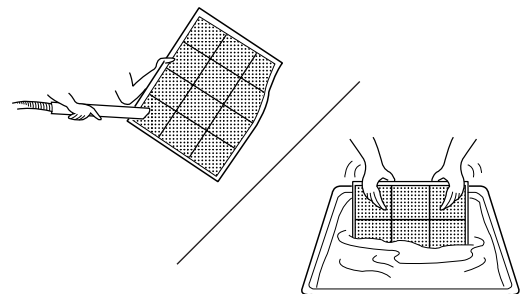
Do not open the grille extremely wide, or provide stress to the opened grille. The grille may come off, or the grille shaft may get damaged. If the grille should come off, replace it by following instructions given in page 16 "CAUTION".



### 2. CLEAN THE FILTER

To remove dust from the filter, use a vacuum cleaner or wash it with clean water.

If the filter is very dirty, wash it with detergent and rinse carefully with clean water. Dry the filter with a soft cloth. Do not expose the filter to heat or dry it under direct sunlight.



### 3. RE-INSTALL THE FILTER

Fit the top hooks, and then hook the bottom of the air filter. Close the grille firmly. Never operate the unit without installing the filter or with the grille open. It may result in serious damage to the unit.

## CLEANING OF THE FRONT PANEL, GRILLE, CABINET AND THE REMOTE CONTROL

To clean the front panel, grille and cabinet, wipe with a soft, dry cloth or with a cloth moistened with a mild soap. Rinse carefully by wiping with a damp cloth and dry completely.

Avoid splashing the unit with water. Excessive water will affect electrical insulation and fire may be resulted during operation.

Never use erosive chemicals or abrasive cleaners on any part of the unit. To avoid damaging the unit, do not use hot water of over 50°C when cleaning. To clean the remote control, wipe with a soft dry cloth.

#### NOTE:

#### OILING OF THE COMPRESSOR AND FAN MOTOR IS UNNECESSARY

The compressor is permanently lubricated and is hermetically sealed. The fan motor is lifetime sealed and does not require oiling.

# BEFORE CALLING FOR SERVICE

IF YOUR AIR CONDITIONER DOES NOT OPERATE PROPERLY, PLEASE CHECK THE FOLLOWING ITEMS BEFORE CALLING FOR SERVICE.

## AIR CONDITIONER DOES NOT OPERATE AT ALL

- Is the power cord loosened or disconnected?
- Is the fuse blown or has the circuit breaker been tripped?
- Did you restart the unit within 3 minutes after power failure? If the power was off for less than 3 minutes, and you restart the air conditioner within 3 minutes, a protective device may cause the air conditioner to shut off, preventing cooling operation for about 5 minutes.

## AIR CONDITIONER DOES NOT COOL PROPERLY

- Is the filter covered with heavy dirt?  
Clean the filter and replace it.
- Is the temperature setting OK?  
If your room is too warm, adjust the temperature setting to a lower level.  
If your room is too cool, adjust the temperature setting to a higher level.
- Is the VENTILATION lever set in the RIGHT (OPEN) position?  
The lever should be set in the LEFT (CLOSED) position during cooling operation.
- Are the windows exposed to direct sunlight?  
Close curtains or blinds to minimize the heat in the room.
- Are the windows or doors open?  
Close all windows and doors for maximum cooling effect.

## THE UNIT FAILS TO RECEIVE THE REMOTE CONTROL SIGNAL

- Check whether the remote control batteries have become old and weak.
- Try to send the signal again with the remote control pointed properly towards the unit's receiver window.
- Check whether the remote control batteries are installed with the polarities properly aligned.

## LEFT / RIGHT AIR FLOW ADJUSTMENT LOUVERS DO NOT SWING

- Is the crank shaft fit properly into the louver link?  
Remove the front panel, and replace it again. Make sure to slide the crank shaft into the opening of the louver link at the back of the front panel. (See page 18, step5-(3))

## TIMER DOES NOT WORK PROPERLY

- If power failure occurs while the ON or OFF TIMER is set, the TIMER setting memory will be cancelled and will not be resumed even after power is resumed. You have to reset them.

FOLLOWINGS ARE NORMAL CONDITIONS OF THIS AIR CONDITIONER

## SOUNDS

- The sound of the compressor may seem rather loud for 2 to 3 minutes when the unit is turned on. This is the sound of the compressor's start-up and is normal for this unit.
- A soft swishing noise can be heard immediately after the unit is turned on or off, and also during operation. This is the sound of the refrigerant flowing inside the unit.

## ODORS

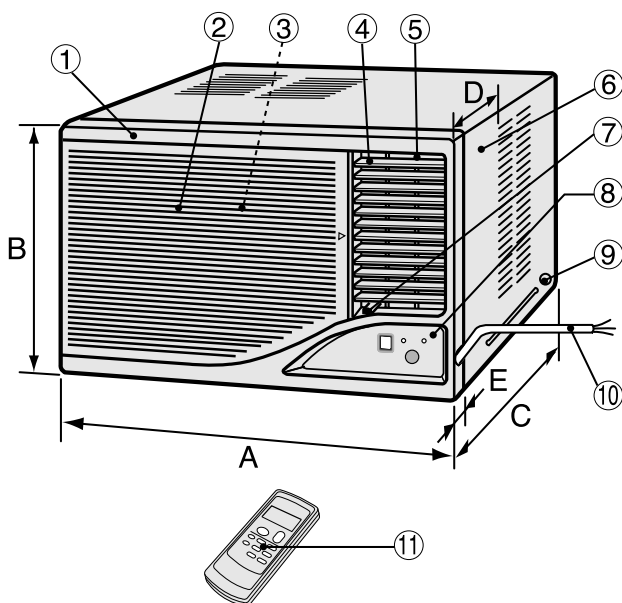
- Carpet and furniture odors may enter the unit and be sent out from the unit.

## REPLACING THE GRILLE

- In case the grille comes off, it can be replaced by following the instructions given in page 16 "CAUTION".

# INSTALLATION INSTRUCTIONS

## PART NAMES AND DIMENSIONS



- ① Front panel
- ② Grille
- ③ Air filter (behind the grille)
- ④ Up/Down air flow adjustment louvers
- ⑤ Left/Right air flow adjustment louvers
- ⑥ Cabinet
- ⑦ Ventilation lever
- ⑧ Control panel
- ⑨ Stopper screws  
(on left and right side)
- ⑩ Power cord
- ⑪ Remote control

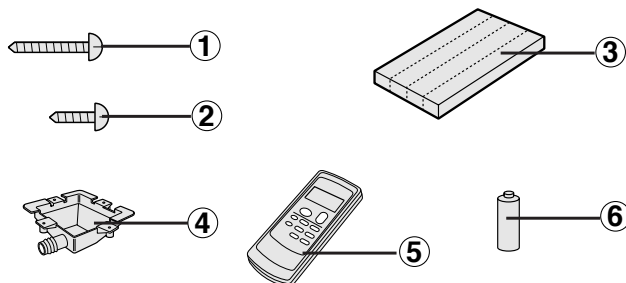
### DIMENSIONS

A (mm)	560
B (mm)	375
C (mm)	600 (center 610)
D (mm)	255
E (mm)	30 (center 40)

We reserve the right to change the materials and specifications without notice.

## ITEMS PACKED WITH THIS UNIT

	Accessories	Q'ty
①	GOLD SCREW (2.5cm/1")	9
②	GOLD SCREW (1.2cm/0.5")	2
③	GASKET	1
④	DRAIN TRAY	1
⑤	REMOTE CONTROL	1
⑥	BATTERY	2

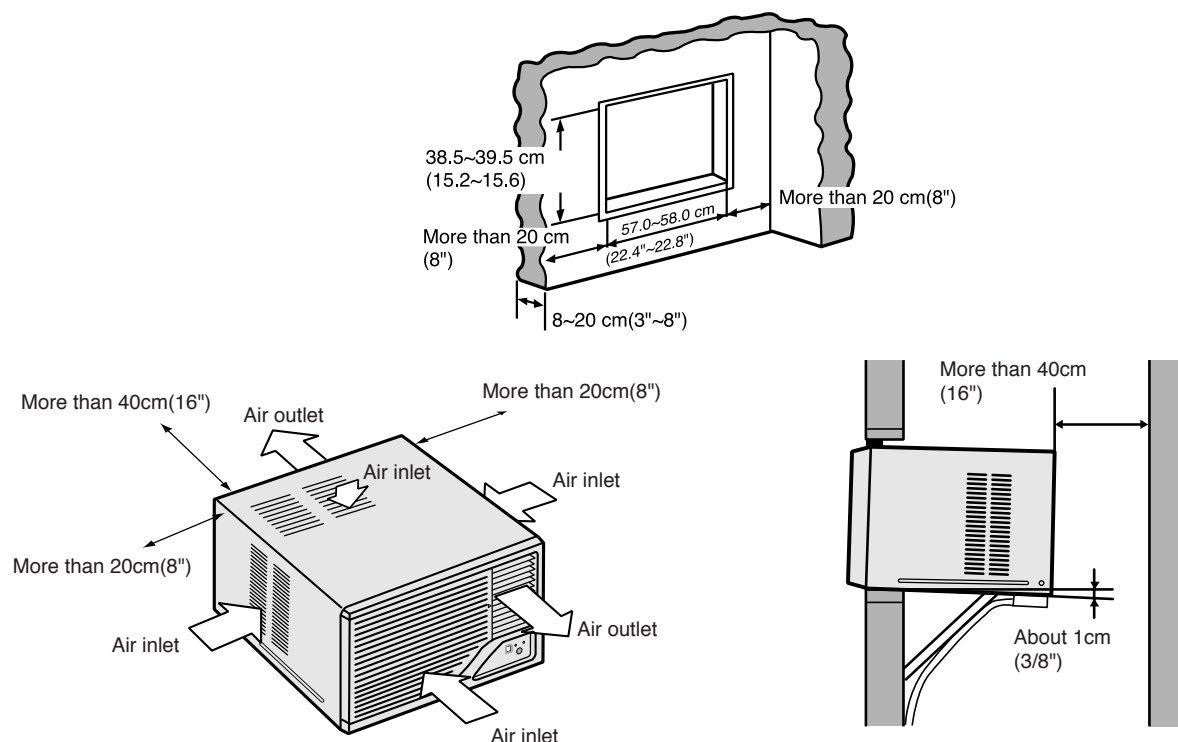


The long GOLD SCREW (①) is used to secure the cabinet to the mounting frame.  
 The short GOLD SCREW (②) is used to secure the drain tray to the cabinet.  
 The DRAIN TRAY (④) is attached to the cabinet, in case drainage is necessary in high humidity district. See page 16 for detail installation instructions.

# LOCATION

The appliance shall be installed in accordance with national wiring regulations. Improper connection may cause the power cord, and the electrical outlet to overheat and fire. Install the air conditioner to the opening dimensions shown below. Never install the unit where any of the air inlet is blocked.

The air conditioner should be installed with a strong external support to minimize noise and vibration, and for the purpose of safe installation, repair, replacement and secure positioning. Avoid installing the air conditioner where it is exposed to direct sunlight.



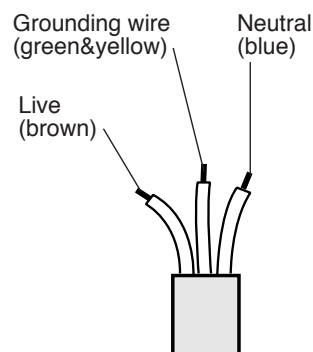
# POWER CABLING

## GROUNDING

### **WARNING: THIS APPLIANCE MUST BE GROUNDED.**

Fit a disconnect switch, having a contact separation of at least 3mm in all poles, to the electricity power line.

Connect the brown wire of the power supply cord to the live terminal, and the grounding wire (green and yellow) to the grounding terminal of the electrical outlet. The remaining wire should be connected to the neutral terminal of the electrical outlet.



## FUSE

For safe, trouble free operation, connect the power cord of the unit to a properly rated independent circuit with a time delay fuse or a circuit breaker. See chart for proper amp ratings for each model.

Maximum Permissible  
System Impedance  
0.19  $\Omega$  ( AF-W12CME)

AF-W12CME	15 amp.
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# INSTALLATION

**WARNING:** Turn off and disconnect the unit before working.

- 1** (1) Open the grille (Fig.1) by gently pulling the arrow marked portion. Remove the air filter (Fig.2) from the front panel. Unscrew the screw fixing the front panel to the chassis. (Fig.2) Keep the screw as it will be used later.

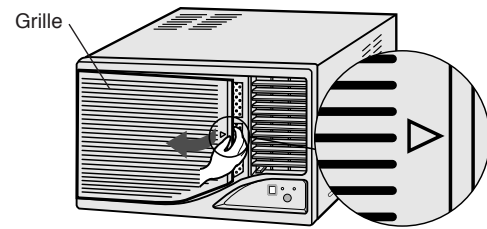


Fig.1

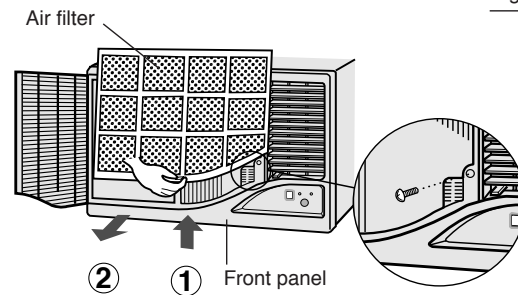
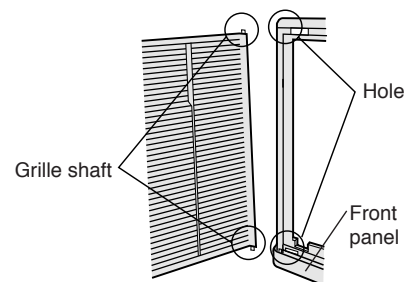


Fig.2

## CAUTION:

Do not open the grille extremely wide, or provide stress to the opened grille. The grille may come off, or the grille shaft may get damaged. If the grille should come off, it can be replaced. Fit one of the grille shaft into the matching hole on the front panel, curve the grille slightly and fit in the other grille shaft.



- (2) Close the grille firmly, and remove the front panel by pulling the front panel at the lower corners towards you for about 3 cm (1" ). Then lift it up and pull it towards you. (Fig.3)

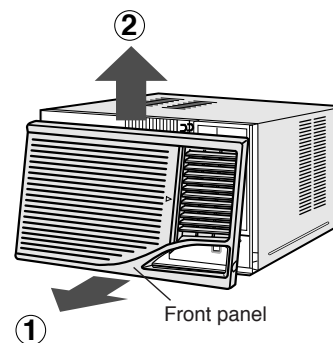


Fig.3

- 2** (1) Unscrew the 3 stopper screws of the cabinet (Fig.4). Keep the front screw and the angle as they will be used later in step 5.
- (2) Slide the chassis out from the cabinet by pulling on the hand hold located at the bottom center of the chassis. (Fig.4)

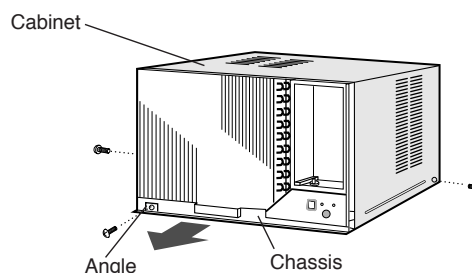


Fig.4

- 3** Attach the provided drain tray to the cabinet in case drainage becomes necessary. Use the 2 short gold screws (1.2cm/0.5") to fix it. (Fig.5)

Drain tray can be attached in three directions according to the installation location of the air conditioner unit. Attach drain tray in direction that its brim will not hit upon the raised of cabinet edge.

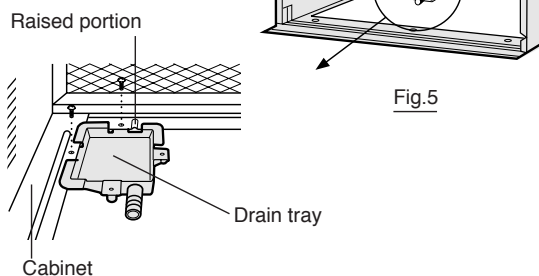


Fig.5

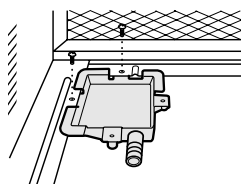


Fig.5-1

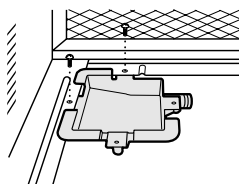


Fig.5-2

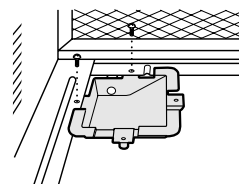


Fig.5-3

#### When drainage is necessary

If water drainage is necessary in high humidity district, remove the rubber cap on the bottom of the chassis. Remove the rubber cap from the bottom with a plier. (Fig.6)

A hose of an appropriate length have to be attached to the drain tray's drain outlet. (Fig.7)

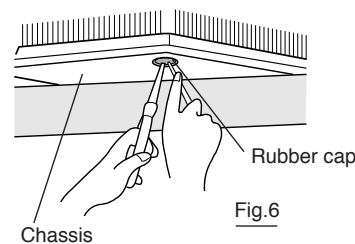


Fig.6

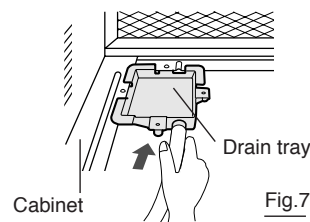


Fig.7

- 4**
- (1) Install the cabinet into the installation opening.(Fig.8)
  - (2) Secure the cabinet to the mounting frame using the 9 long gold screws. (2.5cm/1"). (Fig.8)

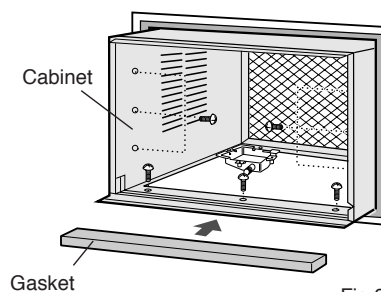
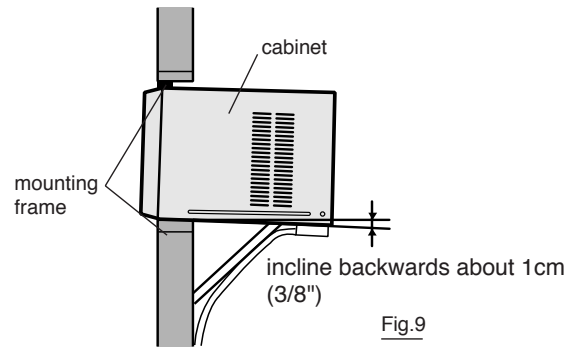


Fig.8

## WARNING:

At this step, make sure the cabinet is inclined approximately 1cm (3/8") to the back (Fig.9).

If the cabinet is not properly inclined, the water collected in the bottom tray during operation will not drain properly and may flow into the room where the air conditioner is installed.



- (3) Cut the gasket to an appropriate length and stuff it into the gap around the mounting frame and the unit to seal outside air. (Fig.8)

# 5

- (1) Slide the chassis back into the cabinet. (Fig. 10)

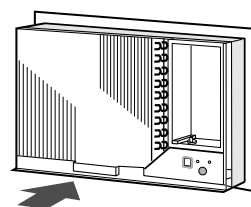


Fig.10

- (2) Secure the chassis to the cabinet using the screw and angle removed in step 2. Push the angle into the gap between the chassis and the cabinet. Hook the angle to the slit of the cabinet, next screw it on to the chassis. (Fig. 11)

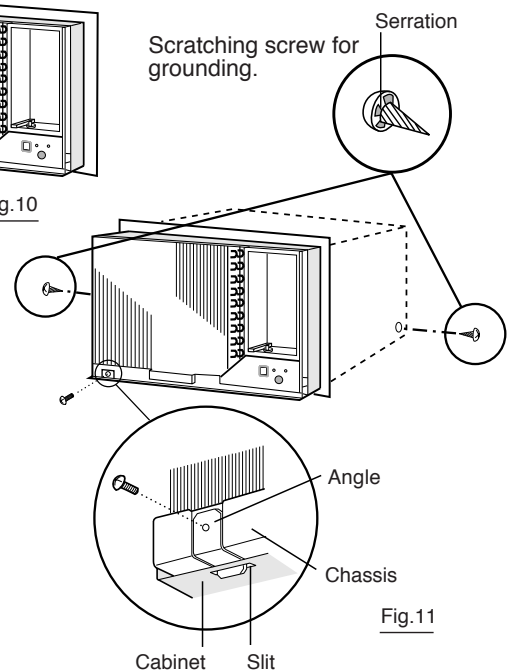


Fig.11

- (3) Replace the front panel. (Fig.12) Slide the crank shaft into the opening of the louver link at the back of the front panel. (Fig.13)

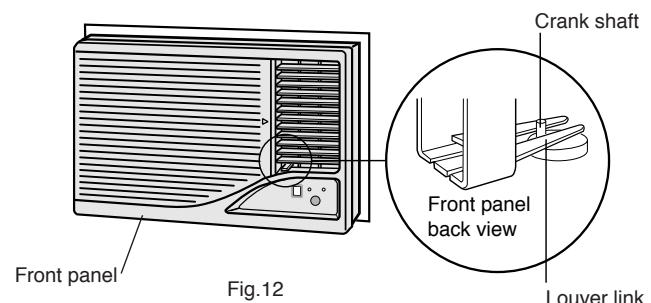


Fig.12

Fig.13

- (4) Open the grille and secure the front panel with the screw removed in step 1 (Fig.14). Replace the air filter and close the grille firmly.

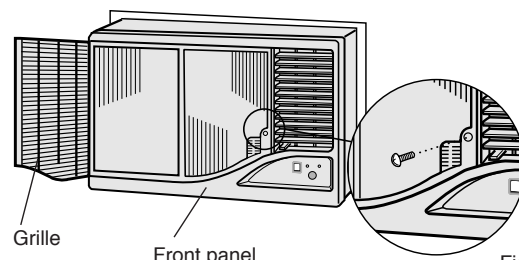


Fig.14





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