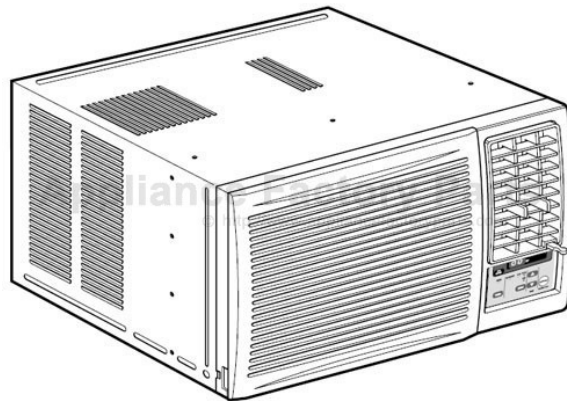


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PANASONIC HQ-2082UH Owner's Manual

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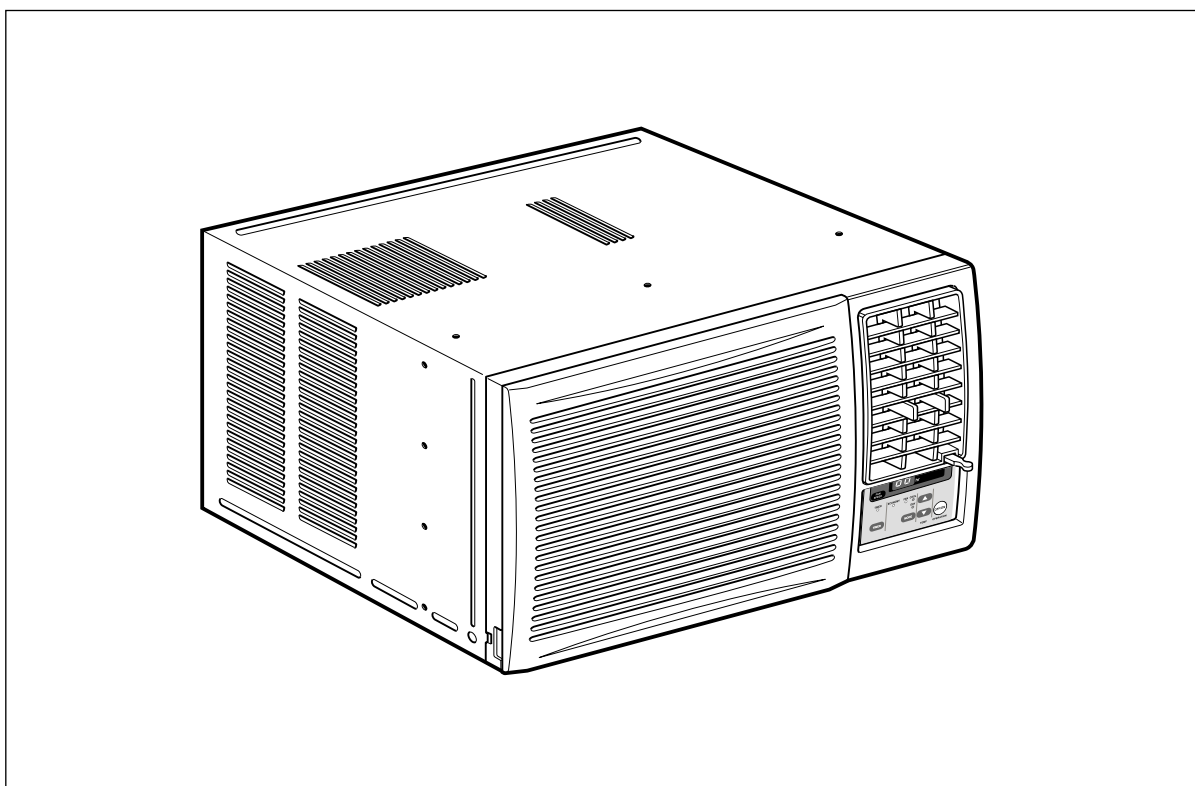
----- Manual continues below -----

Quasar®

Room Air Conditioner

INSTALLATION AND OPERATING INSTRUCTIONS

Model: **HQ-2082UH**



Please read these operating instructions thoroughly before using your air conditioner and keep for future reference.

For assistance, please call : 1-800-211-PANA(7262) or
Register your product at : <http://www.panasonic.com/register>

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FOR YOUR RECORDS

Staple your receipt to this page in case you need it later.
 Write down 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 _____



READ THIS MANUAL

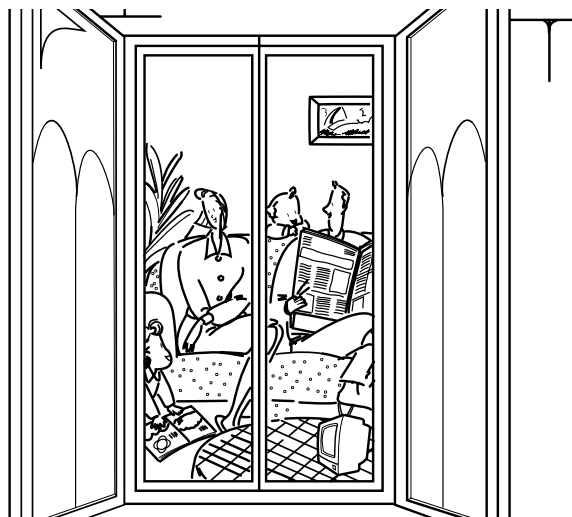
Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

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.



CAUTION



- Contact the authorized Service technician for repair or maintenance of this unit.
- The air conditioner 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 air conditioner.





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 of 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 property only.

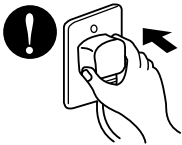
■ Meanings of symbols used in this manual are as shown below.

	Be sure not to do this.
	Be sure to follow the instructions.

 **WARNING**

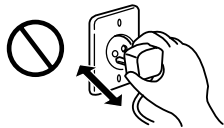
Plug in the power plug properly.

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



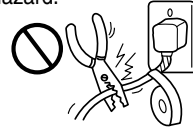
Do not operate or stop the unit by inserting or pulling out the power plug.

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



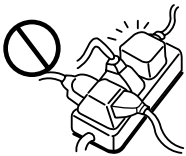
Do not damage or use an unspecified power cord.

- It will cause electric shock or fire.
- If the power cord is damaged, it must be replaced by the manufacturer or an authorized service center or a similarly qualified person in order to avoid a hazard.



Do not modify power cord length or share the outlet with other appliances.

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



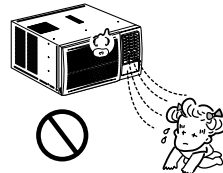
Do not operate with wet hands or in a damp environment.

- It will cause electric shock.



Do not direct air flow at room occupants.

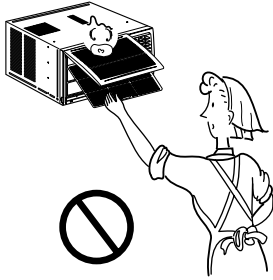
- This could lead to health problems.



CAUTION

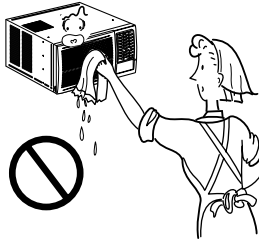
When the air filter is to be removed, do not touch the metal parts of the unit.

- It may cause an injury.



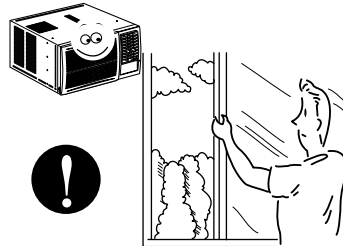
Do not clean the air conditioner with water.

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



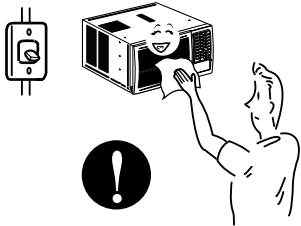
Ventilate well when used together with a stove, etc.

- An oxygen shortage may occur.



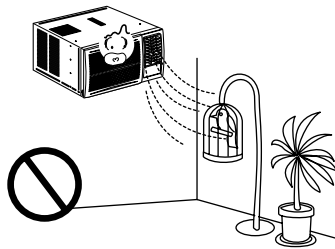
When the unit is to be cleaned, switch off, and turn off the breaker.

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



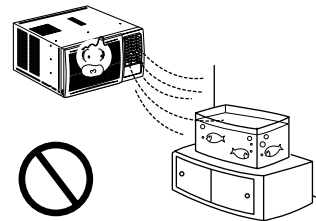
Do not put a pet or house plant where it will be exposed to direct air flow.

- This could injure the pets or plants.



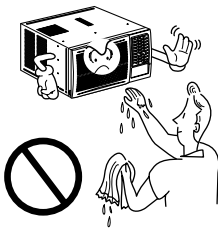
Do not use for special purposes.

- Do not use this air conditioner to preserve precision devices, food, pets, plants, and art objects. It may cause deterioration of quality, etc.



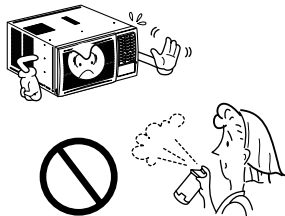
Do not operate switches with wet hands.

- It may cause an electric shock.



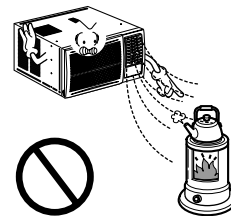
Do not apply an insecticide or flammable spray.

- It may cause a fire or deformation of the cabinet.



Do not put a heater, etc. where it is exposed to direct air flow.

- It may cause imperfect combustion.

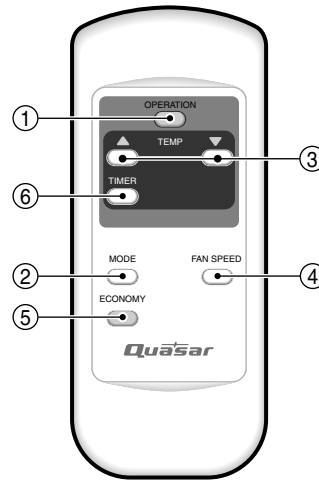
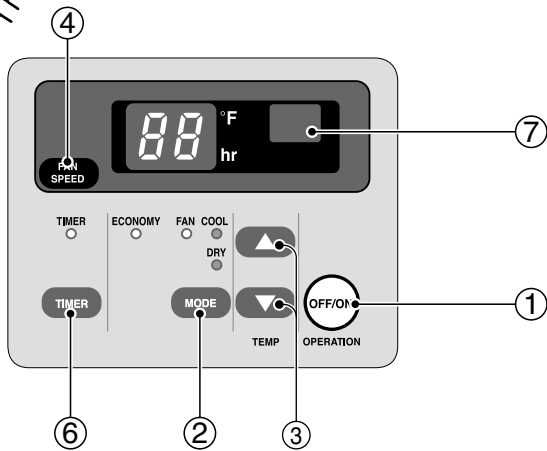


About the Controls on the Air Conditioner



Controls

Model : HQ-2082UH



Precaution: The Remote controller will not function properly if strong light strikes the sensor window of the air conditioner or if there are obstacles between the Remote Control unit and the air conditioner.

About the Controls on the Air Conditioner

1 OPERATION BUTTON

- To turn the air conditioner ON, push the button. To turn the air conditioner OFF, push the button again.
- This button takes priority over any other buttons.
- When you first turn it on, the air conditioner is on the High cool mode and the temp. at 72°F(22°C)

2 OPERATION MODE SELECTION BUTTON

Every time you push this button, it will toggle between COOL, ECONOMY, FAN and DRY.

3 ROOM TEMPERATURE SETTING BUTTON

This button can automatically control the temperature of the room. The temperature can be set within a range of 60°F to 86°F by 1°F. (16°C to 30°C by 1°C)
Select the lower number for lower temperature of the room.

4 FAN SPEED SELECTION BUTTONS

Every time you push this button, it is set as follows.
{High(F3) → Low(F1) → Med(F2) → High(F3)...}.

5 ECONOMY

- If you push this button, the fan stops when the compressor stops cooling. Approximately every 3 minutes the fan will turn on and check the room air to determine if cooling is needed.

6 ON/OFF TIMER BUTTON

You can set the time when the unit will turn on or turn off automatically by pressing the timer button. If the unit is operating, this button controls the time it will be turned off. If the unit is in off state, this button controls the time it will start. Every time you push this button, the remaining time will be set as follows.

- STOPPING OPERATION

- Every time you push this button, when the air conditioner is operating, timer is set as follows.
(1Hour → 2Hours → 3Hours → 4Hours → 5Hours → 6Hours → 7Hours → 8Hours → 9Hours → 10Hours → 11Hours → 12Hours → 0Hour → 1Hour → 2Hours → ...)
- The Setting Temperature will be raised by 2°F(1°C) 30min. later and by 2°F(1°C) after another 30 min.

- STARTING OPERATION

- Every time you push this button, when the air conditioner is not operating, timer is set as follows. (1Hour → 2Hours → 3Hours → 4Hours → 5Hours → 6Hours → 7Hours → 8Hours → 9Hours → 10Hours → 11Hours → 12Hours → 0Hour → 1Hour → 2Hours → ...)

7 REMOTE CONTROL SIGNAL RECEIVER

8 DRY

- When this unit is in dry mode, the fan rotates in low speed. The fan stops when the compressor stops cooling. Approximately every 3 minutes the fan will turn on and the unit checks the room air temperature to set itself.

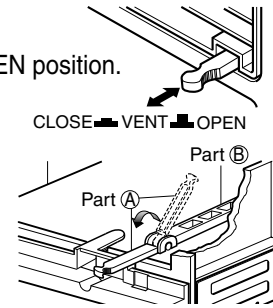
Additional controls and important information.

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. The damper is opened and room air is drawn out.

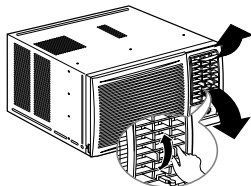
NOTE: Before using the ventilation feature, and prior to installing the front grille, pull down part (A) until level with part (B).



Air Direction

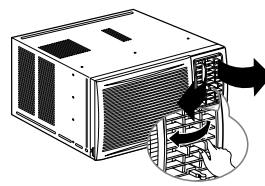
The direction of air can be controlled wherever you want to cool by adjusting the horizontal louver and the vertical louver.

• VERTICAL AIR-DIRECTION CONTROL



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

• HORIZONTAL AIR-DIRECTION CONTROL



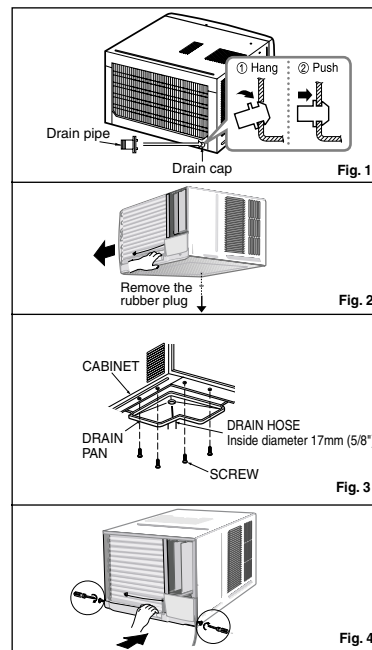
The horizontal air direction is adjusted by rotating the vertical louver right or left manually.

How to Secure the Drain Pipe

In humid weather, excess water may cause the BASE PAN to overflow. To drain the water, remove the DRAIN CAP and secure the DRAIN PIPE to the rear hole of the BASE PAN. Press the drain pipe into the hole by pushing down and away from the fins to avoid injury. (See Fig.1)

Optional(CW3H02502C)

1. Remove the rubber plug and slide the chassis out from the cabinet. (See Fig.2)
2. Install the drain pan over the corner of the cabinet where you removed the plug with 4 (or 2) screws. (See Fig.3)
3. Connect the drain hose to the outlet located at the bottom of the drain pan. You can purchase the drain hose or tubing locally to satisfy your particular needs. (Drain hose is not supplied). (See Fig.3)
4. Select the most appropriate connection from among the figures to the right (by considering the hole of the unit) to fit drain pan to your own unit. (See Fig.3)
5. Slide the chassis back into the cabinet. Reinstall the cabinet screws. Secure the cabinet to chassis by using screws. (See Fig.4)



Care and Maintenance

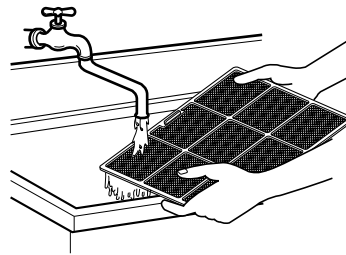
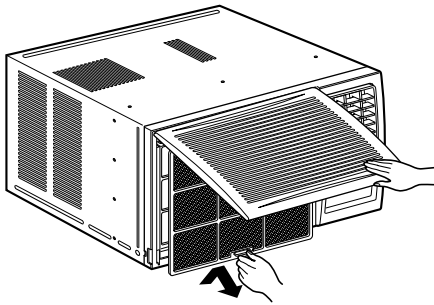
TURN THE AIR CONDITIONER OFF AND REMOVE THE PLUG FROM THE POWER OUTLET.

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 upward by pulling out the bottom of the inlet grille or downward by pulling out the top of the inlet grille.
2. Using the tab, pull up slightly on the filter to release it and pull it down or up.
3. Clean the filter with warm, soapy water under 40°C (104°F).
4. Rinse and gently shake the water from the filter and let it dry before replacing it.



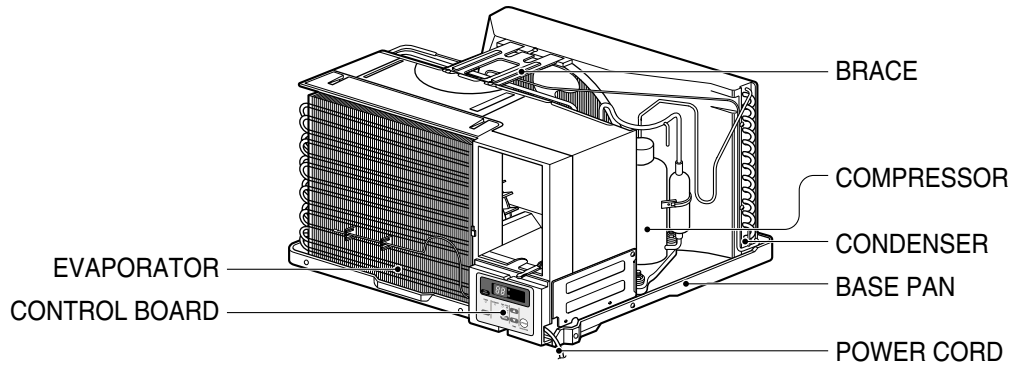
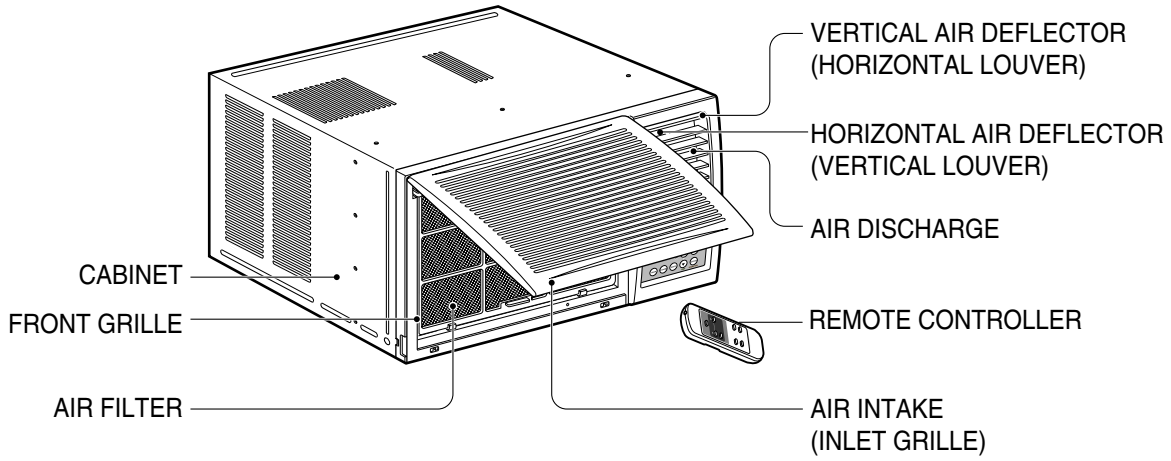
About the Controls on the Air Conditioner

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

Features

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

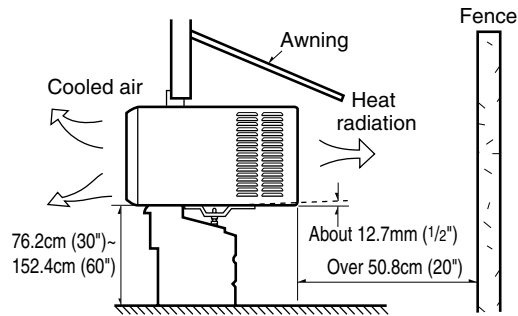
Features



INSTALLATION

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 28cm (11") and there should be no obstacles, such as a fence or wall, within 50.8cm (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.



CAUTION: All side louvers of the cabinet must remain exposed to the outside of the structure.

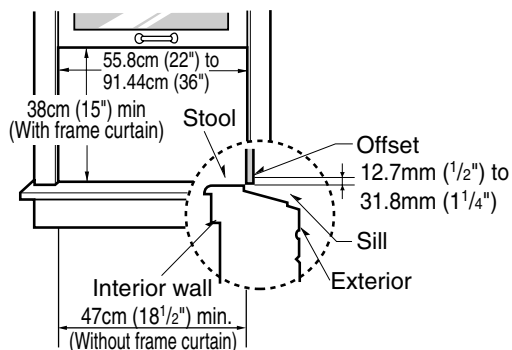
4. Install the unit a little slanted so the back is slightly lower than the front (about 12.7mm (1/2")). This will force condensed water to flow to the outside.
5. Install the unit with the bottom about 76.2cm (30")~152.4cm (60") above the floor level.

Window Requirements

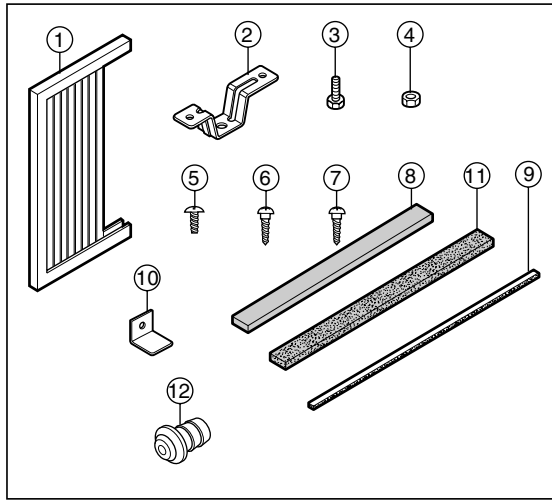
NOTE: All supporting parts should be secured to firm wood, masonry, or metal.

This unit is designed for installation in standard double hung windows with actual opening widths from 55.88cm (22") to 91.44cm (36").

The top and bottom window sash must open sufficiently to allow a clear vertical opening of 38cm (15") from the bottom of the upper sash to the window stool.

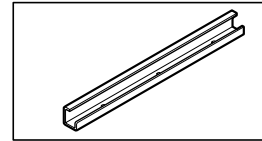


Installation Kit Contents



NO.	NAME OF PARTS	Q'TY
1	FRAME CURTAIN	2
2	SILL SUPPORT	2
3	BOLT	2
4	NUT	2
5	SCREW(TYPE A) 10mm (25/64")	16
6	SCREW(TYPE B) D5.1mm(3/16")/16mm(5/8")	3
7	SCREW(TYPE C) D4.1mm(5/32")/16mm(5/8")	5
8	FOAM-STRIP	1
9	FOAM-PE (466mm x 10mm x 2mm)	1
10	WINDOW LOCKING BRACKET	1
11	FOAM-PE (920mm x 30mm x 2mm)	1
12	DRAIN PIPE	1

■ Top retainer bar is in product package.

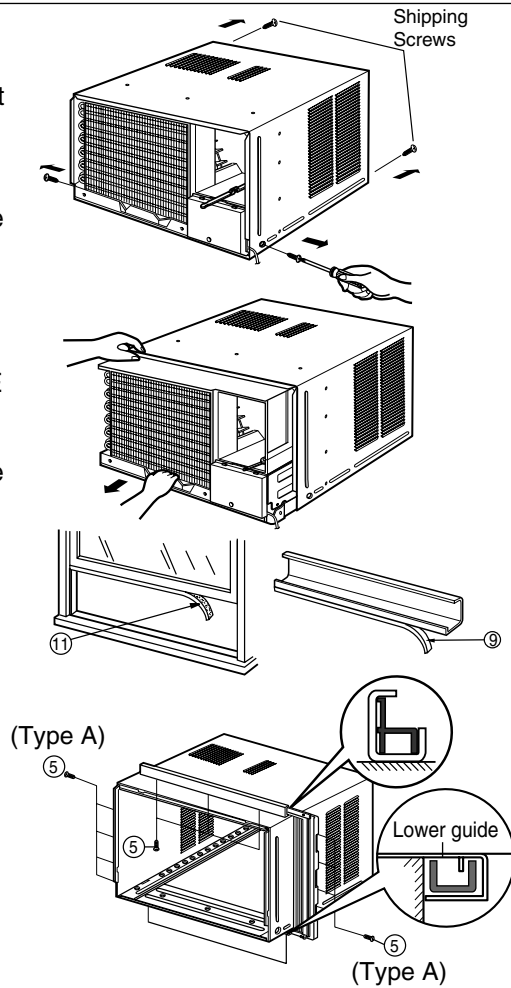


Suggested Tool Requirements

SCREWDRIVER(+, -), RULER, KNIFE, HAMMER, PENCIL, LEVEL

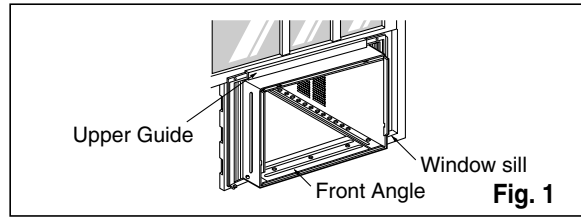
PREPARATION OF CHASSIS

1. Remove the screws which fasten the cabinet at both sides and at the back.
2. Slide the unit from the cabinet by gripping the base pan handle and pulling while bracing the cabinet.
3. Cut the window sash seal to the proper length.
Peel off the backing and attach the FOAM-PE ⑩ to the underside of the window sash.
4. Remove the backing from the top upper guide FOAM-PE ⑨ and attach it to the bottom of the upper guide.
5. Attach the upper guide onto the top of the cabinet with 3 type A screws.
6. Insert the Frame Curtain ① into the upper guide.
7. Fasten the curtains to the unit with 4 Type A screws.

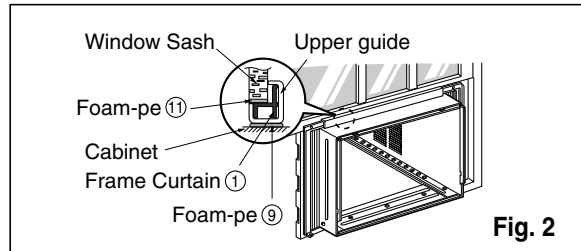


Cabinet Installation

1. Open the window. Mark a line on center of the window sill (or desired air conditioner location). Carefully place the cabinet on the window sill and align the center mark on the bottom front with the center line marked in the window sill. (See Fig. 1)



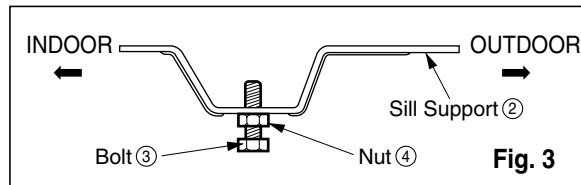
2. Pull the bottom window sash down behind the upper guide until it meets. (See Fig. 2)



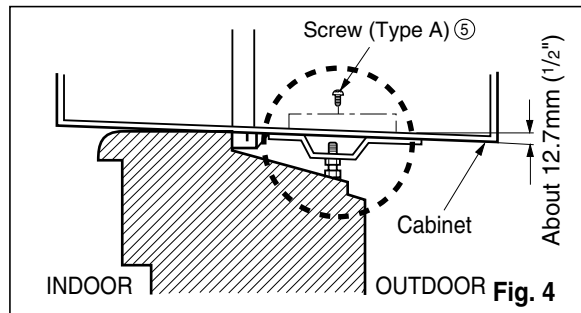
NOTE:

- Do not pull the window sash down so tightly that the movement of Frame Curtain is restricted.

3. Loosely assemble the sill support using the parts in Fig. 3.



4. Select the position that will place the sill support near the outer most point on sill (See Fig. 4)

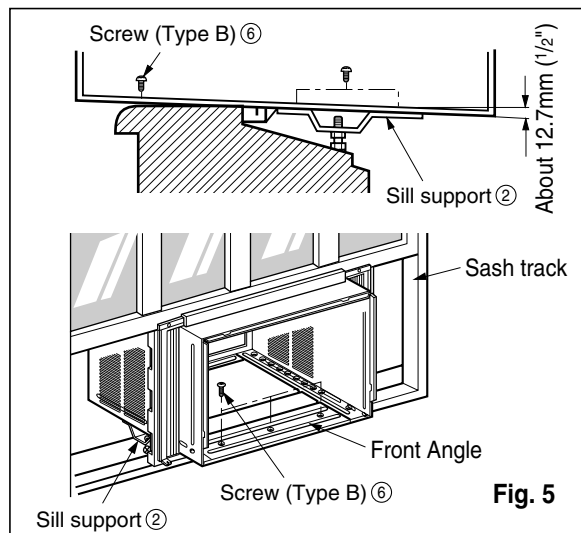


5. Attach the sill support to the cabinet track hole in relation to the selected position using 2 Type A screws in each support (See Fig. 4).

6. The cabinet should be installed with a very **slight tilt (about 12.7mm(1/2")) downward** toward the outside (See Fig. 5).

Adjust the bolt and the nut of sill support for balancing the cabinet.

7. Attach the cabinet to the window sill by driving the screws ⑥ (Type B) through the front angle into window sill.



8. Pull each Frame curtain fully to each window sash track, and repeat step 2.

9. Attach each Frame curtain to the window sash using screws ⑦ (Type C). (See Fig. 6)

CAUTION: DO NOT DRILL A HOLE IN THE BOTTOM PAN.

The unit is designed to operate with approximately 12.7mm (1/2") of water in bottom pan.

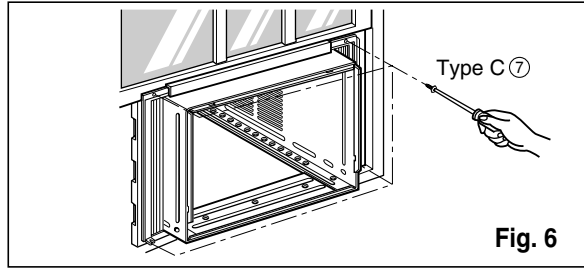


Fig. 6

10. Slide the unit into the cabinet. (See Fig. 7)

CAUTION: For security purposes, reinstall screws at cabinet's sides.

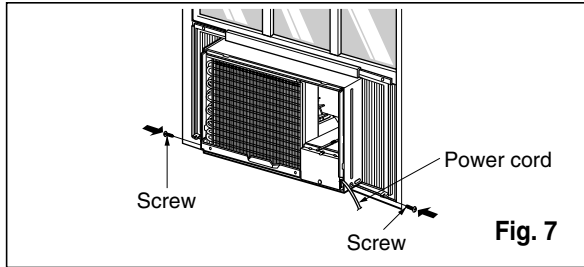


Fig. 7

11. Cut the foam-strip ⑧ to the proper length and insert between the upper window sash and the lower window sash. (See Fig. 8)

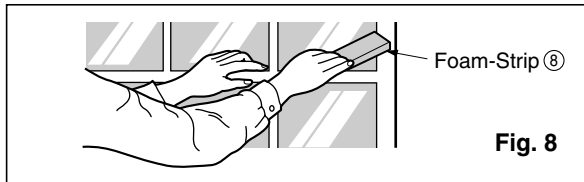


Fig. 8

12. Attach the window locking bracket ⑩ with a type C screw. (See Fig. 9)

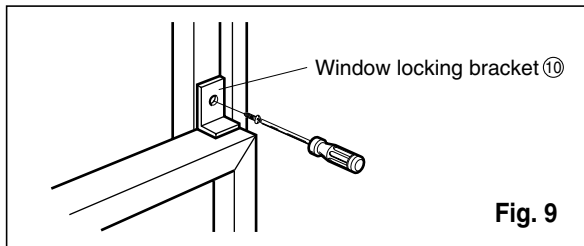


Fig. 9

13. Attach the front grille to the cabinet by inserting the tabs on the grille into the tabs on the front of the cabinet. Push the grille in until it snaps into place. (See Fig.10)

NOTE: Please refer p.6 for setting ventilation kit.

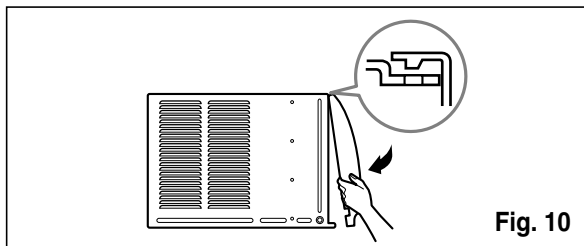


Fig. 10

14. Lift the inlet grille and secure it with two type A screw through the front grille. (See Fig. 11)

15. **Window installation of room air conditioner is now completed. See ELECTRICAL DATA for attaching power cord to electrical outlet.**

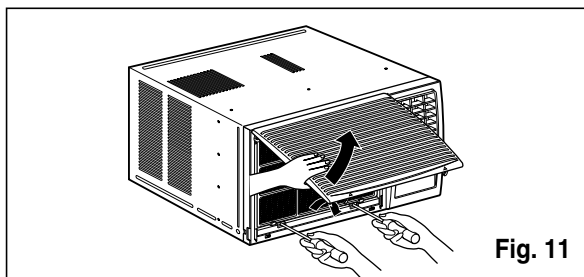
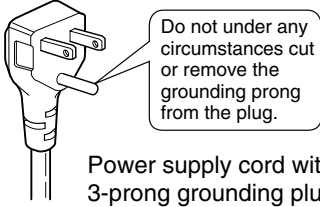
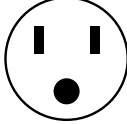


Fig. 11

Electrical Data

Line Cord Plug	Use Wall Receptacle	Power Supply
 <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>

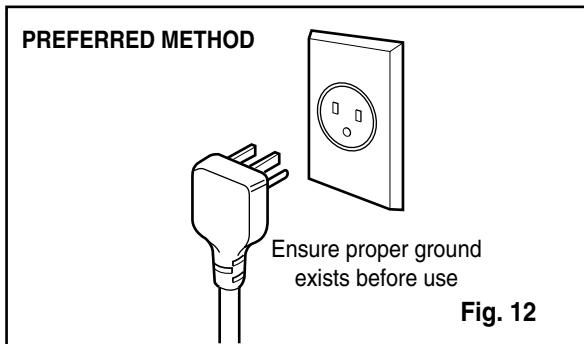
USE OF EXTENSION CORDS

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.

IMPORTANT (PLEASE READ CAREFULLY)

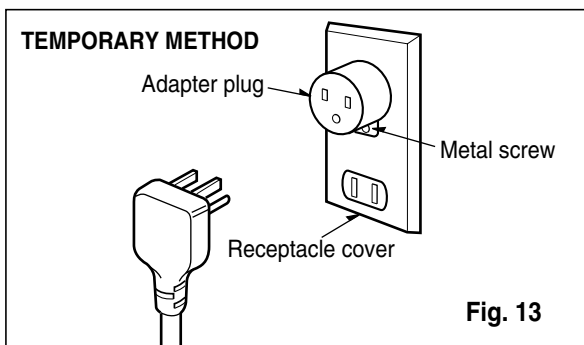
FOR THE USER'S PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY GROUNDED

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 (Fig. 12) 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 WHERE THE APPLIANCE WILL BE DISCONNECTED ONLY 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 (Fig. 13). 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 WHERE 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.

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.

Before you call for service...

Troubleshooting Tips save time and money!
Review the chart below first and you may not need to call for service.

Normal Operation

- You may hear a pinging noise caused by water being picked up and thrown against the condenser on rainy days or when the humidity is high. This design feature helps remove moisture and improve efficiency.
- You may hear the relay click when the compressor cycles on and off.
- Water will collect in the base pan during high humidity or on rainy days. The water may overflow and drip from the outdoor side of the unit.
- The fan may run even when the compressor does not.

Abnormal Operation

Problem	Possible Causes	What To Do
Air conditioner does not start	■ <i>The air conditioner is unplugged.</i>	• Make sure the air conditioner plug is pushed completely into the outlet.
	■ <i>The fuse is blown/circuit breaker is tripped.</i>	• Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	■ <i>Power failure.</i>	• When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
Air conditioner does not cool as it should	■ <i>Airflow is restricted.</i>	• Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	■ <i>TEMP Control set to a higher number.</i>	• Set the TEMP Control to a lower number.
	■ <i>The air filter is dirty.</i>	• Clean the filter at least every 2 weeks. See the operating instructions section.
	■ <i>The room may have been hot.</i>	• When the air conditioner is first turned on you need to allow time for the room to cool down.
	■ <i>Cold air is escaping.</i>	• Check for open furnace floor registers and cold air returns. • Set the air conditioner's vent to the closed position.
Air conditioner freezing up	■ <i>Cooling coils have iced up.</i>	• See Air Conditioner Freezing Up below.
	■ <i>Ice blocks the air flow and stops the air conditioner from cooling the room.</i>	• Set the mode control to High Fan or High Cool with the high temperature.

Before you call for service...

**Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation
of America**

One Panasonic Way
Secaucus, New Jersey 07094

**Panasonic Sales Company,
Division of Matsushita Electric of Puerto Rico, Inc.,**

Ave. 65 de Infanteria, Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985

Panasonic Room Air Conditioner Limited Warranty

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the Warrantor") will repair this product with new or refurbished parts in case of defects in material or workmanship, free of charge, in the USA or Puerto Rico in accordance to the following (All time periods start from the date of the original purchase).

SEALED REFRIGERATING SYSTEM (compressor and interconnecting tube): FIVE (5) YEARS - PARTS AND LABOR

ALL OTHER COMPONENTS: ONE (1) YEAR - PARTS AND LABOR

In-home service in the USA can be obtained during the warranty period by contacting a Panasonic Service Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call toll free, 1-800-211-PANA(7262), to locate a PASC authorized Servicenter. In-home service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

Note: If the unit is installed at the other than normal window height and/or has been custom-installed (e.g., through the wall), the customer is responsible for removing the unit from its installation prior to the performance of in-home service.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of the original purchase is required for service and parts replacement under this warranty.

This warranty only covers failures due to defects in materials and workmanship and does not cover normal wear or cosmetic damage. The warranty does not cover damages which occur in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, maladjustment of customer controls, improper maintenance, alteration, modification, power line surge, lightning damage, improper voltage supply, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Department at the company address indicated above.

SERVICE CALLS WHICH DO NOT INVOLVE DEFECTIVE MATERIALS OR WORKMANSHIP AS DETERMINED BY THE WARRANTOR, IN ITS SOLE DISCRETION, ARE NOT COVERED. COSTS OF SUCH SERVICE CALLS ARE THE RESPONSIBILITY OF THE PURCHASER.

[For assistance, please call: 1-800-211-PANA (7262) or send e-mail to consumerproducts@panasonic.com]

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