

APPENDIX INSTRUCTION MANUAL

SAP-KV94GJH + SAP-CV94GJH SAP-KV124GJH + SAP-CV124GJH

(OI-852-6-4180-642-00-0)

Features

This air conditioner is equipped with cooling, heating, and drying functions. Details on these functions are provided below; refer to these descriptions when using the air conditioner.

- **Microprocessor Controlled Operation**
The interior compartment of the remote control unit contains several features to facilitate automatic operation, easy logically displayed for easy use.
- **Simple One-touch Wireless Remote Control**
The remote control unit has several features to facilitate automatic operation.
- **24-Hour ON or OFF Timer**
This timer can be set to automatically turn the unit on or off at 10 minutes intervals within a 24 hour period.
- **1-Hour OFF Timer**
This timer can be set to automatically turn off the unit at any time after one hour.
- **ECONOMY Mode**
Pressing this button changes the setting of the room temperature thermostat, allowing you to set the temperature at whatever level that you find comfortable.
- **Automatic and 3-step Fan Speed**
Auto/High/Medium/Low
- **Air Sweep Control**
This function moves a flap up and down in the air outlet, directing air in a sweeping motion around the room and providing comfort in every corner.
- **High Power Cooling**
When a cooling or drying operation is to be performed, the air conditioner operates for 15 minutes in the high power mode.
- **Odor Reduction Mode**
When a cooling or drying operation is to commence, the indoor fan motor is shut down for 40 seconds to minimize the odors which are produced when operation starts up.
- **Mold Inhibiting Mode**
Upon completion of a cooling or drying operation, the indoor fan motor operates in the fan mode for 30 seconds to prevent condensation inside the indoor unit and inhibit the growth of mold.
- **Anti-Mold Filter**
This unit is equipped with an anti-mold filter that inhibits the growth of mold and bacteria.

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Product Information

If you have problems or questions concerning your Air Conditioner, you will need the following information. Model and serial numbers are on the nameplate on the bottom of the cabinet.

Model No. _____ Serial No. _____

Date of purchase _____

Dealer's address _____

Phone number _____

DECLARATION OF CONFORMITY

This product is marked «CE» as it satisfies EEC Directive No. 89/336/EEC, 73/23/EEC and 93/68/EEC.

This declaration will become void in case of mis-usage and/or from non observance though partial of Manufacturer's installation and/or operating instructions.

Alert Symbols

The following symbols used in this manual, alert you to potentially dangerous conditions to users, service personnel or the appliance:



WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



CAUTION

This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

Installation Location

- We recommend that this air conditioner be installed properly by qualified installation technicians in accordance with the Installation Instructions provided with the unit.
- Before installation, check that the voltage of the electric supply in your home or office is the same as the voltage shown on the nameplate.



WARNING

- Do not install this air conditioner where there are fumes or flammable gases, or in an extremely humid space such as a greenhouse.
- Do not install the air conditioner where excessively high heat-generating objects are placed.

Avoid:

To protect the air conditioner from heavy corrosion, avoid installing the outdoor unit where salty sea water can splash directly onto it or in sulphurous air near a spa.

Electrical Requirements

1. All wiring must conform to the local electrical codes. Consult your dealer or a qualified electrician for details.
2. Each unit must be properly grounded with a ground (or earth) wire or through the supply wiring.
3. Wiring must be done by a qualified electrician.

Safety Instructions

- Read this Instruction Manual carefully before using this air conditioner. If you still have any difficulties or problems, consult your dealer for help.
- This air conditioner is designed to give you comfortable room conditions. Use this only for its intended purpose as described in this Instruction Manual.



WARNING

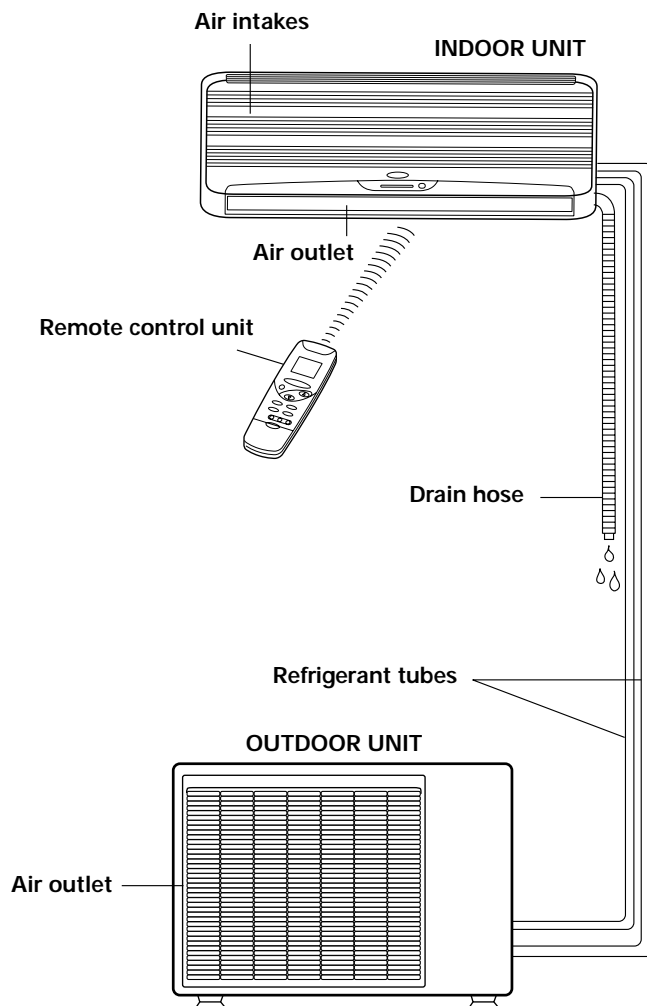
- Never use or store gasoline or other flammable vapor or liquid near the air conditioner – it is very dangerous.
- This air conditioner has no ventilator for intaking fresh air from outdoors. You must open doors or windows frequently when you use gas or oil heating appliances in the same room, which consume a lot of oxygen from the air. Otherwise there is a risk of suffocation in an extreme case.



CAUTION

- Do not turn the air conditioner on and off from the power mains switch. Use the ON/OFF operation button.
- Do not stick anything into the air outlet of the outdoor unit. This is dangerous because the fan is rotating at high speed.
- Do not let children play with the air conditioner.
- Do not cool or heat the room too much if babies or invalids are present.

Names of Parts



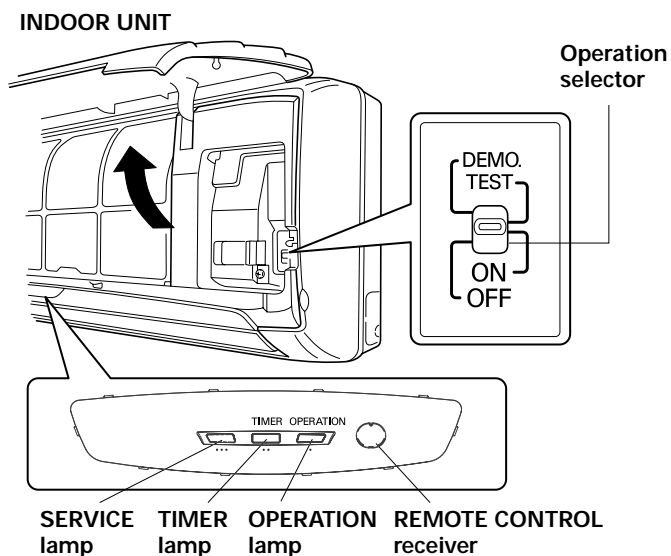
NOTE

This illustration is based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner which you have selected.

This air conditioner consists of an indoor unit and an outdoor unit. You can control the air conditioner with the remote control unit.

Air Intake	Air from the room is drawn into this section and passes through air filters which remove dust.
Air Outlet	Conditioned air is blown out of the air conditioner through the air outlet.
Remote Control Unit	The wireless remote control unit controls power ON/OFF, operation mode selection, temperature, fan speed, timer setting, and air sweeping.
Refrigerant Tubes	The indoor and outdoor units are connected by copper tubes through which refrigerant gas flows.
Drain Hose	Moisture in the room condenses and drains off through this hose.
Outdoor (Condensing) Unit	The outdoor unit contains the compressor, fan motor, heat exchanger coil, and other electrical components.



Unit Display and Operation Selector



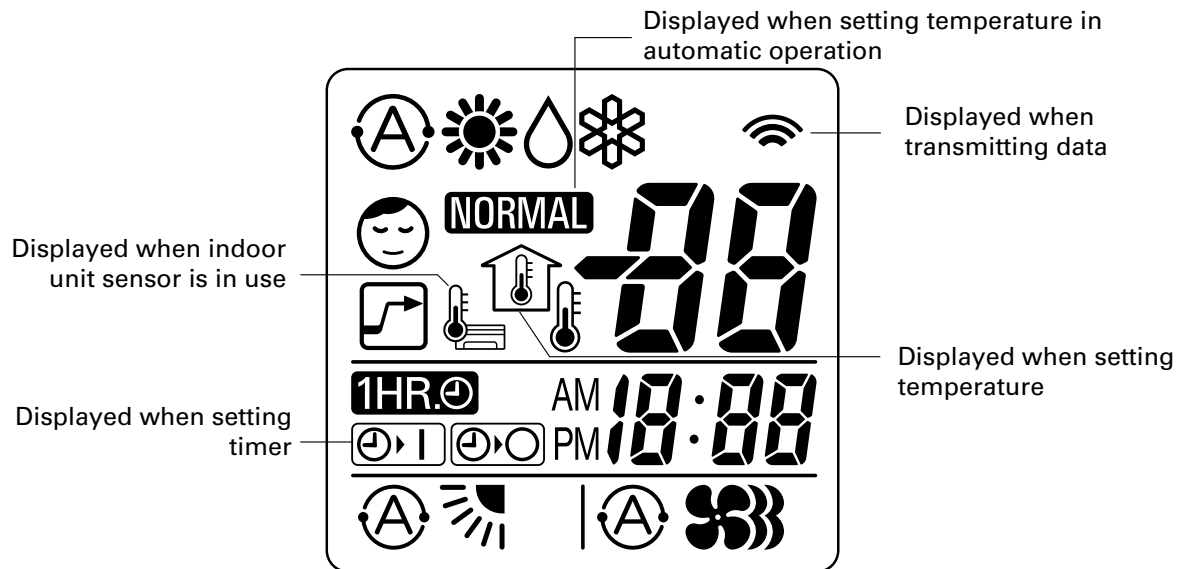
IMPORTANT

Avoid using radio equipment such as mobile phone near (within 1 m) the remote control receiver. Some radio equipment may cause malfunction of the unit.

If the trouble happens, disconnect power and restart the air conditioner after a few minutes.

REMOTE CONTROL receiver	This section picks up infrared signals from the remote control unit (transmitter).
Operation selector ON position	This position is for operating the air conditioner with the wireless remote control unit. Set the selector normally in this position.
OFF position  WARNING	Switch the selector to the OFF position if you are not going to use the air conditioner for a few days or longer. The OFF position does not disconnect the power. Use the main power switch to turn off power completely.
TEST position  CAUTION	This position is used only when servicing the air conditioner. Do not set at the TEST position for normal operation.
DEMO position	This position is used only when setting address of the remote control unit.
OPERATION lamp	This lamp lights when the system is in the continuous AUTO (red, orange or green), HEAT (red), DRY (orange) and COOL (green) mode.
TIMER lamp	This lamp lights when the system is being controlled by the timer.
SERVICE lamp	When a fault occurs in the air conditioner, this lamp turns on or flashes in combination with the other two lamps to indicate the type of fault.

Remote Control Unit (Display)



Symbols

(1) Operation mode

AUTO



HEAT.....



DOUBLE SENSOR DRY



COOL



(2) Confirmation of transmission



(3) Set temperature 16–30 °C

When set to 28 °C.....



Current temperature indication

(4) Timer

ON Timer



OFF Timer



1-hour OFF Timer



(5) ECONOMY



(6) High power operation



(7) Flap indication

Auto. flap indication



Flap angle indication



Sweep indication.....



(8) Fan speed

Automatic operation



HIGH



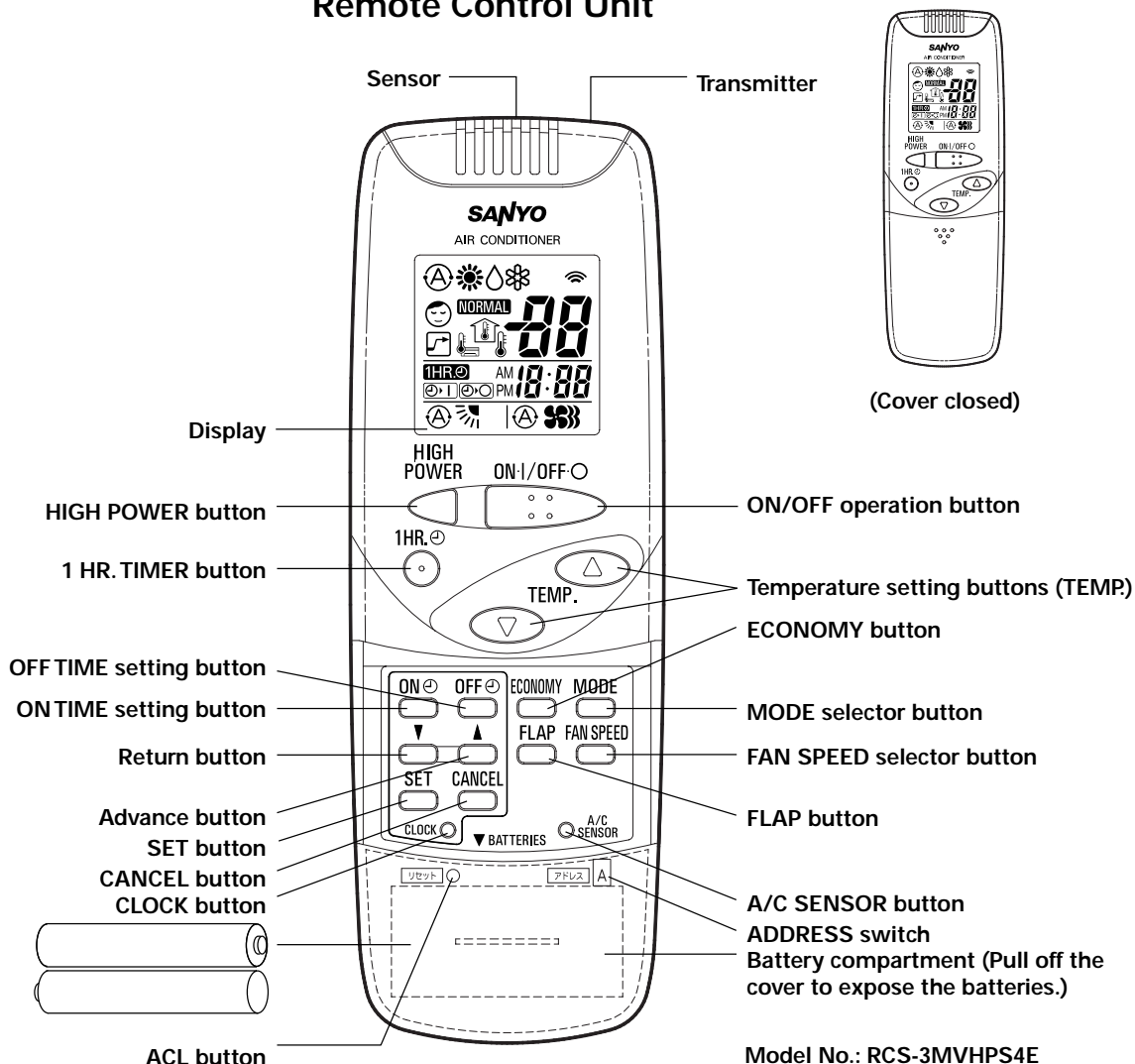
MEDIUM



LOW








Remote Control Unit












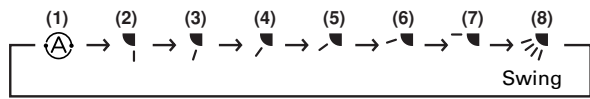






NOTE


The illustration above pictures the remote control unit after the cover has been lowered and removed.

Transmitter	When you press the buttons on the remote control unit, the  mark appears in the display to transmit the setting changes to the receiver in the air conditioner.
Sensor	A temperature sensor inside the remote control unit senses the room temperature.
Display	Information on the operating conditions is displayed while the remote control unit is switched on. If the unit is turned off, only the mode that was set previously is still displayed.
HIGH POWER button	 : When you press this button, the current operation mode is set to the HIGH POWER mode, and the unit is operated in this mode for 15 minutes.
ON/OFF operation button	This button is for turning the air conditioner on and off.
1 HR. TIMER button (1-HOUR OFF TIMER)	 : When you press this button, regardless of whether the unit is operating or stopping, the unit operates for one hour and then shuts down.
Temperature setting buttons (TEMP)	Press the  button to increase the set temperature. Press the  button to reduce the set temperature. For details, see Automatic operation and Manual operation.

Remote Control Unit (continued)

<p>ON TIME/OFF TIME setting buttons</p>	<p>No display : The timer does not operate.</p> <p> : The air conditioner stops at the set time.</p> <p> : The air conditioner starts at the set time.</p> <p> : The air conditioner stops and starts, or starts and stops, at the set times every day. For details, see "Setting the Timer".</p>
<p>ECONOMY button</p>	<p>For details, see "ECONOMY Mode". When you press this button in the HEAT, DRY or COOL mode, the  mark appears in the display, and the remote control unit will automatically adjust the set temperature to save energy.</p>
<p>MODE selector button (AUTO)</p> <p>(HEAT)</p> <p>(DRY)</p> <p>(COOL)</p>	<p>Use this button to select AUTO, HEAT, DRY or COOL mode.</p> <p> : When this setting is selected, the air conditioner calculates the difference between the outdoor temperature and the room temperature and automatically switches to the "COOL", "DRY" or "HEAT" mode as appropriate.</p> <p> : The air conditioner makes the room warmer.</p> <p> : The air conditioner reduces the humidity in the room.</p> <p> : The air conditioner makes the room cooler.</p>
<p>FLAP button</p> <p>NOTE</p>	<p>Press this button either to select the setting of the airflow direction to the auto. flap in each mode or one of the six possible positions manually or to select the sweep function which moves the flap up and down automatically.</p> <p> : Auto flap setting: If selected in a heating operation, the flap is set to position (3) in the following chart. If selected in a cooling or dry operation, the flap is set at position (7) in the following chart.</p> <p> : The airflow direction can be set manually. (six positions)</p> <p> : The flap moves up and down automatically.</p> <p>When you press the FLAP button, the air flow direction will be changed one by one as follows.</p> <div data-bbox="636 1184 1222 1281">  </div>
<p>FAN SPEED selector button</p>	<p> : The air conditioner automatically decides the fan speeds.</p> <p> : High fan speed</p> <p> : Medium fan speed</p> <p> : Low fan speed</p>
<p>ACL button (ALL CLEAR)</p>	<p>Puts the remote control unit into pre-operation status. Always press this button after replacing the batteries.</p>

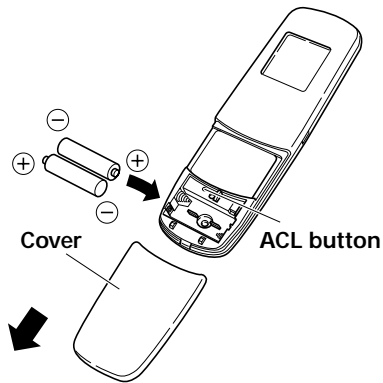
Remote Control Unit (continued)

<p>ADDRESS switch</p>	<ul style="list-style-type: none"> • Change the address switch to prevent mixing of signals from remote control units when two Sanyo air conditioners are installed next to each other. Normally, the address switch is set to A. When switching the address, take the steps listed below. Contact your dealer where you made the purchase if 3 or more Sanyo air conditioners are to be operated. <ol style="list-style-type: none"> ① Break off the address switching tabs on the remote control unit, and set the address switch to B. ② Insert batteries into the remote control unit, press the ACL button, and attach the cover. ③ Open the intake grille of the indoor unit, and set the operation selector to the DEMO position. ④ Press the ON/OFF operation button on the remote control unit, and check that a receiving tone (beep) is heard from the indoor unit. ⑤ Set the operation selector to the ON position, and close the intake grille. ⑥ Operate the remote control unit, and check that a receiving tone (beep) is heard from the indoor unit. • Normally, the tabs on the remote control unit should not be bent.
<p>A/C SENSOR button</p> <p>NOTE</p>	<p>When you press this button (use a small-tipped object such as a ballpoint pen), the  mark will appear at the display. And the room temperature is detected by the sensor which is built into the indoor unit and the air conditioner is controlled accordingly.</p> <p>If the remote control is located near a heat source, such as a space heater or in direct sunlight, press the A/C SENSOR button to switch to the sensor on the indoor unit.</p>

NOTE The remote control unit sends the temperature signal to the air conditioner regularly at five minute intervals. If the signal from the remote control unit stops for more than ten minutes due to the loss of the remote control unit or other trouble, the air conditioner will switch to the temperature sensor which is built into the indoor unit and control the room temperature. In these cases, the temperature around the remote control unit may differ from the temperature detected at the air conditioner's position.

Using the Remote Control Unit

How to Install Batteries



1. Slide the cover in the direction indicated by the arrow and remove it.
2. Install two AAA alkaline batteries. Make sure the batteries point in the direction marked in the battery compartment.
3. Use a thin object such as the tip of a pen to press the ACL button.

NOTE

- The batteries last about six months, depending on how much you use the remote control unit. Replace the batteries when the remote control unit's display fails to indicate, or when the remote control cannot be used to change the air conditioner's settings.
- Use two fresh leak-proof type-AAA alkaline batteries.
- In replacing batteries, follow the instructions as mentioned in the sub-section "How to Install Batteries".
- If you do not use the remote control unit more than 1 month, take out the batteries.

How to Use the Remote Control Unit

When using the remote control unit, always point the unit's transmitter head directly at the air conditioner's receiver.

