

INSTALLATION MANUAL



PORTABLE AIR CONDITIONER

Model: CH-M09K6S

For proper operation, please read and keep this manual carefully.

Designed by Cooper&Hunter International Corporation, Oregon, USA
www.cooperandhunter.com

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This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Explanation of Symbols



DANGER

Indicates a hazardous situation that, if not avoided, will result in death or serious injury.



WARNING

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION

Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

NOTICE

Indicates important but not hazard-related information, used to indicate risk of property damage.



Indicates a hazard that would be assigned a signal word WARNING or CAUTION.



Appliance filled with flammable gas R32.



Before install and use the appliance, read the owner's manual first.



Before repair the appliance, read the service manual first.

The Refrigerant

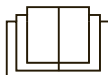
- To realize the function of the air conditioner unit, a special refrigerant circulates in the system. The used refrigerant is the fluoride R32, which is specially cleaned. The refrigerant is flammable and inodorous. Furthermore, it can lead to explosion under certain conditions. But the flammability of the refrigerant is very low. It can be ignited only by fire.
- Compared to common refrigerants, R32 is a nonpolluting refrigerant with no harm to the ozonosphere. The influence upon the greenhouse effect is also lower. R32 has got very good thermodynamic features which lead to a really high energy efficiency. The units therefore need a less filling.

WARNING :

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacture. Should repair be necessary, contact your nearest authorized Service Centre. Any repairs carried out by unqualified personnel may be dangerous. The appliance shall be stored in a room without continuously operating ignition sources. (for example: open flames, an operating gas appliance or an operating electric heater.) Do not pierce or burn.

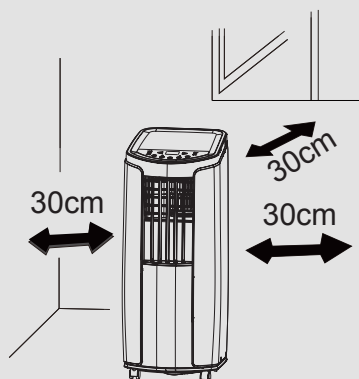
Appliance shall be installed, operated and stored in a room with a floor area larger than 4m².

Appliance filled with flammable gas R32. For repairs, strictly follow manufacturer's instructions only. Be aware that refrigerants not contain odour. Read specialist's manual.



Operation Environment

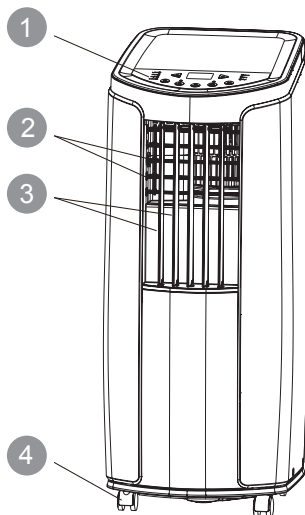
- The air conditioner must be operated within the temperature range: 16°C ~ 35°C.
- The appliance is for indoor use only.
- The appliance must be positioned so that the plug is accessible.
- This air conditioner can only be used for family, not for commercial industry.
- Reserved space around the air conditioner should be 30cm(12") at least.
- Do not operate the air conditioner at humid environment.
- Please keep air inlet and air outlet clean, no obstacles.
- During operation, close doors and windows to improve cooling effect.
- Please put the air conditioner at smooth and flat ground for operation to avoid noise and vibration.
- This air conditioner is equipped with castors. Castors should slide at smooth and flat ground.
- Prohibit inclining or turning over the air conditioner. If there's abnormality, please disconnect power immediately and contact dealer.
- Avoid direct sunshine.



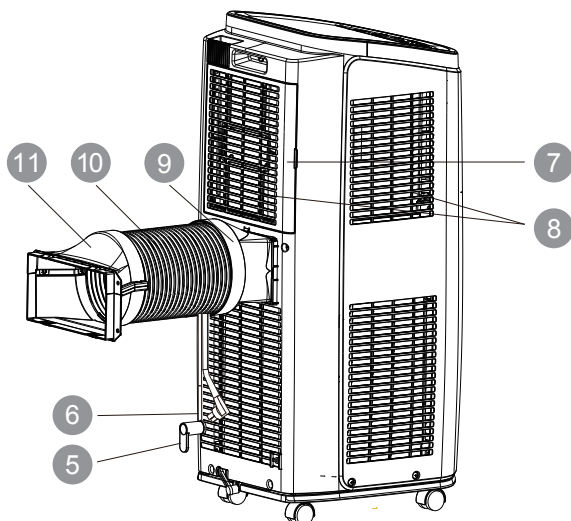
Safety Warning

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Before operation, please confirm whether power specification complies with that on nameplate.
- Before cleaning or maintaining the air conditioner, please turn off air conditioner and pull out the power plug.
- Make sure the power cord hasn't been pressed by hard objects.
- Do not pull or drag the power cord to pull out the power plug or move the air conditioner.
- Do not insert or pull out the power plug with wet hands.
- Please use the grounded power. Make sure the grounding is reliable.
- 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.
- If the power cord is damaged, it must be replaced by manufacturer or professional person.
- If abnormal condition occurs (e.g. burned smell), please disconnect power at once and then contact local dealer.
- When nobody is taking care of the unit, please turn it off and remove the power plug or disconnect power.
- Do not splash or pour water on air conditioner. Otherwise, it may cause short circuit or damage to air conditioner.
- If drainage hose is used, ambient temperature can't be lower than 0℃. Otherwise, it will cause water leakage to air conditioner.
- Prohibit operating heating equipment around the air conditioner.
- Far away from fire source, inflammable and explosive objects.
- Children and disabled people are not allowed to use the portable room air conditioner without supervision.
- Keep children from playing or climbing on the air conditioner.
- Do not put or hang dripping objects above the air conditioner.
- Do not repair or disassemble the air conditioner by yourself.
- Prohibit inserting any objects into the air conditioner.
- Do not use an extension cord.

Part's Name



- 1 Controller panel
- 2 Guide louver
- 3 Swing louver
- 4 Castor
- 5 Wire-fixing hook
- 6 Plug of power cord
- 7 Gaster
- 8 Air inlet
- 9 Joint A
- 10 Heat discharge pipe
- 11 Joint B+C



Remote controller

NOTICE:

Heat discharge pipe and other installation accessories can't be discarded.

Installation Precaution



WARNING

- Observe all governing codes and ordinances.
- Do not use damaged or non-standard power cord.
- Be caution during installation and maintenance. Prohibit incorrect operation to prevent electric shock, casualty and other accidents.

Selection of installation location

Basic requirement

Installing the unit in the following places may cause malfunction. If it is unavoidable, please consult the local dealer:

1. The place with strong heat sources, vapors, flammable or explosive gas, or volatile objects spread in the air.
2. The place with high-frequency devices (such as welding machine, medical equipment).
3. The place near coast area.
4. The place with oil or fumes in the air.
5. The place with sulfureted gas.
6. Other places with special circumstances.

Requirement of air conditioner

1. Air inlet should be far away from obstacles and do not put any objects near air outlet. Otherwise, it will affect the radiation of heat discharge pipe.
2. Select a location where the noise and outflow air emitted by the outddor unit will not affect neighborhood.
3. Please try your best to keep far away from fluorescent lamp.
4. The appliance shall not be installed in the laundry.

Requirements for electric connection



WARNING:

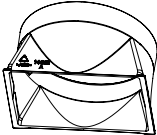


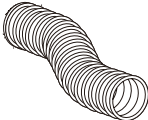

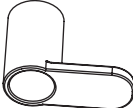




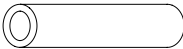



Safety precaution

1. Must follow the electric safety regulations when installing the unit.
2. According to the local safety regulations, use qualified power supply circuit.
3. For appliances with type Y attachment, the instructions shall contain the substance of the following. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
4. Properly connect the live wire, neutral wire and grounding wire of power socket.
5. Be sure to cut off the power supply before proceeding any work related to electricity and safety.
6. Do not put through the power before finishing installation.
7. The air conditioner is first class electric appliance. It must be properly grounding with specialized grounding device by a professional. Please make sure it is always grounded effectively, otherwise it may cause electric shock.
8. The yellow-green wire or green wire in air conditioner is grounding wire, which can't be used for other purposes.
9. The grounding resistance should comply with national electric safety regulations.
10. The appliance shall be installed in accordance with national wiring regulations.

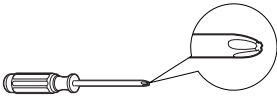

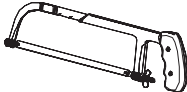
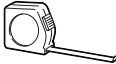


Preparation before Installation

Note: check if the accessories are available before installation.

Accessory list

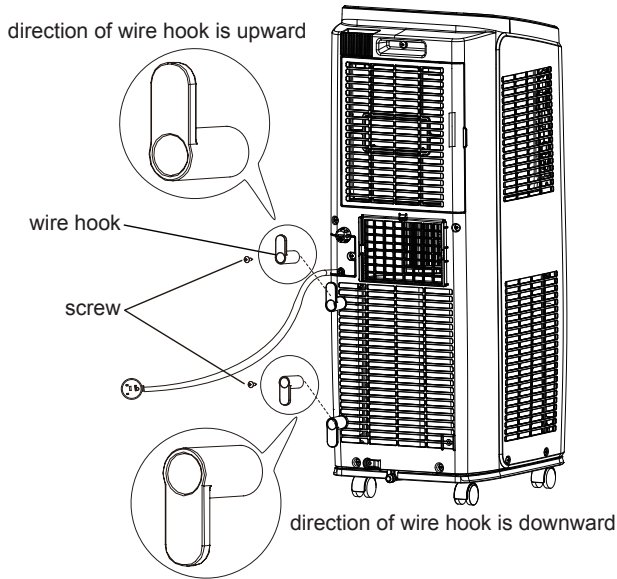
				
joint A	joint B	joint C	heat discharge pipe	Adapter (1)
				
wire hook (2)	screw(3)	pipe clip	rubber plug	pipe hoop (2)
				
drainage pipe	remote controller	battery (2) (AAA 1.5V)	user's manual	

Tools needed for installation

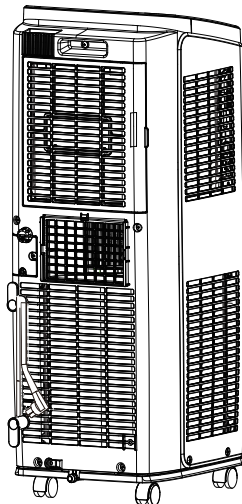
		
cross screwdriver	straight screwdriver	saw
		
gauge	scissors	pencil

Install Wire Hook

- Assemble the wire hook at the back of the unit with screws (the direction of wire hook is as shown in following fig).



- Wind the power cord around the wire hook.



Removing Collected Water

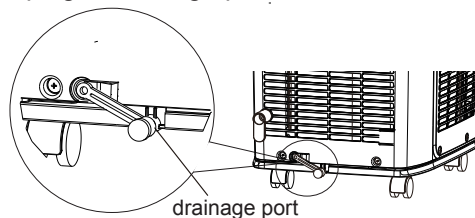
There are 2 ways to remove collected water:

- 1** Use the continuous drainage option from the bottom hole.

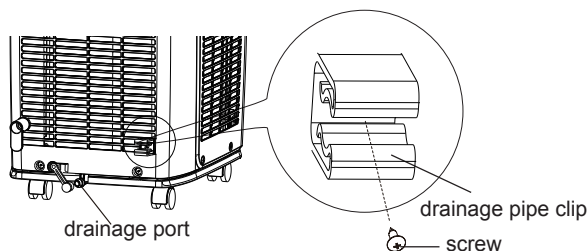
Note: When using the continuous drainage option from the bottom hole, install drainage pipe before using, otherwise poor drainage will affect normal operation of the unit.

■ Instructions for drainage pipe installation as follows.

1. Remove the rubber plug at drainage port.

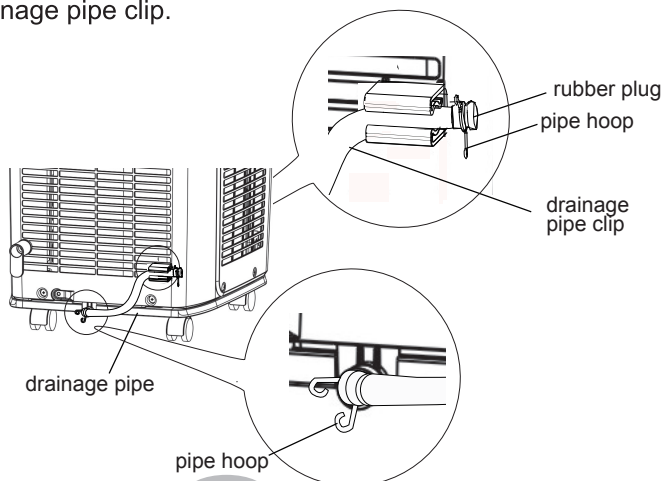


2. Fix the drainage pipe clip on the right of rear side plate near drainage port with a screw.



3. Put the drainage pipe into drainage port and screw it up, and then bind it with pipe hoop.

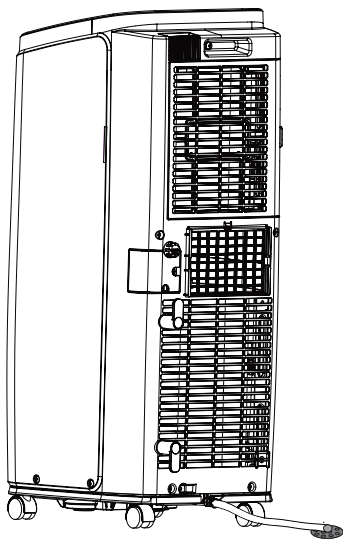
4. Put the rubber plug into the other side of drainage pipe, fix it with pipe hoop and then fix it in the drainage pipe clip.



Removing Collected Water

■ Drainage way as follows.

1. In cooling or drying operation, the condensation water will be drained to the chassis and spattered by water-striking motor. As the temperature of condenser is high, most of the condensation water will be evaporated and drained to outdoor. So usually, only a little condensation water will be accumulated inside the chassis and you do not need to discharge the water frequently.
2. When the chassis is full with water, the buzzer will give out 8 sounds and "H8" is displayed to remind user to discharge water:
 - Move the unit to a suitable place for discharging water; do not tilt the unit and keep it horizontal during moving;
 - Take the drainage pipe from the clip and pull out the rubber plug on the drainage pipe to discharge water;
 - Put back the rubber plug onto drainage pipe after finishing discharging water and then fix the pipe on the clip;
 - After full water protection is eliminated and the compressor has been stopped for 3 minutes, the unit will resume operation.

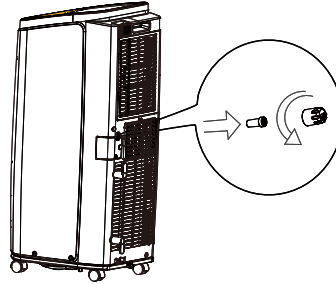


Removing Collected Water

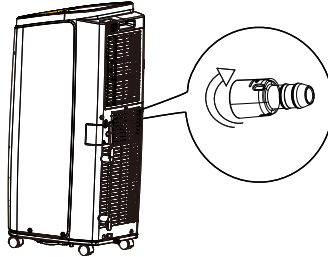
- 2** Use the continuous drainage option from the middle hole.

Note: Water can be automatically emptied into a floor drain by attaching 14mm inner diameter hose (not included).

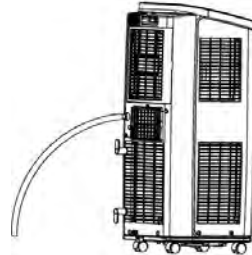
1. Remove the continuous drain cap 1 by turning it counter clockwise then remove the rubber stopper 2 from the spout.



2. Screw the drain connector to (included in the package) the spout by turning clockwise.

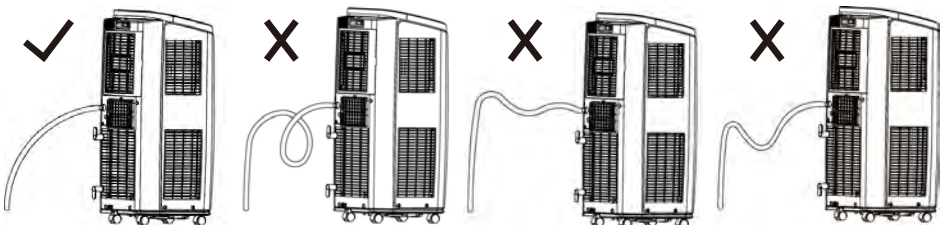


3. Insert the drainage hose into drain connector.



ATTENTION:

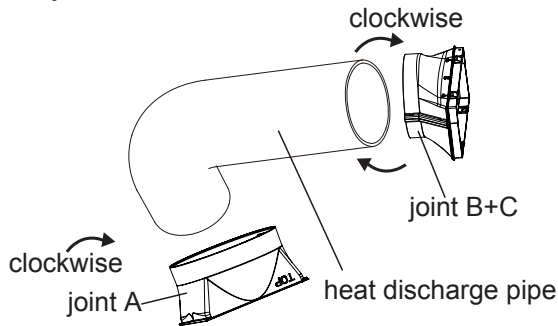
When using continuous drainage option from the middle hole, place portable on a level surface and make sure garden hose is clear of any obstructions and is directed downward. Placing portable on an uneven surface or improper hose installation may result in water filling up the chassis and causing the unit to shut off. Empty water in the chassis if shut off occurs, then check portable location and hose for proper setup.



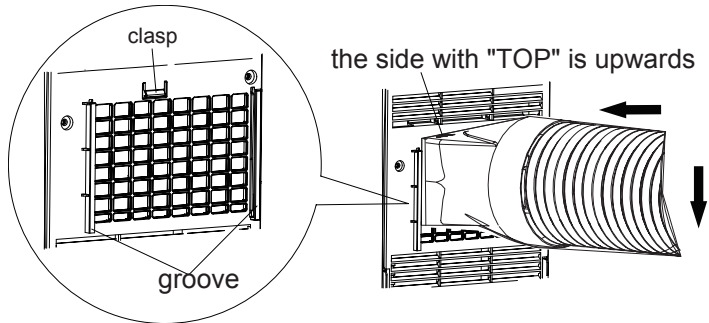
Installation and Disassembly of Heat Discharge Pipe

Install heat discharge pipe

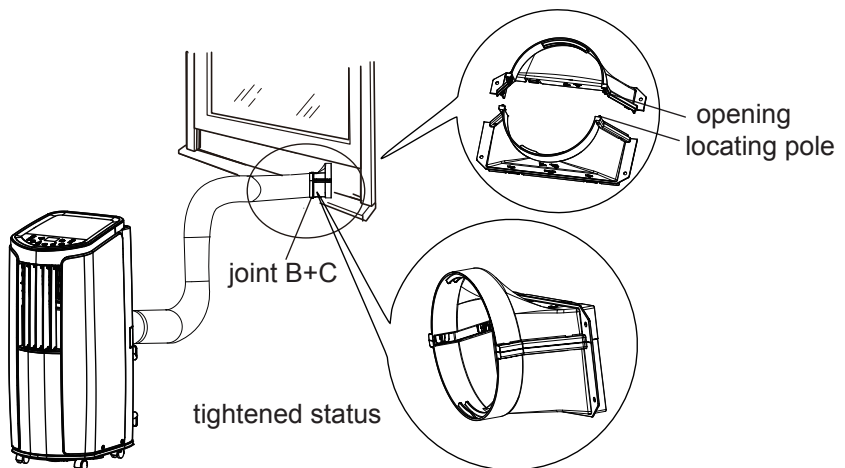
1. Rotate joint A and joint B clockwise into the two ends of heat discharge pipe.



2. Insert joint A of heat discharge pipe (the side with "TOP" is upwards) into the groove until you hear a sound.



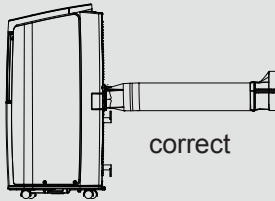
3. Aim the locating pole of joint B of heat discharge pipe at the opening of joint C; rotate it slightly to make joint B and joint C connect tightly.



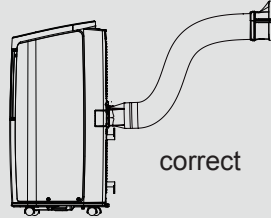
Installation and Disassembly of Heat Discharge Pipe

Note of Installing heat discharge pipe

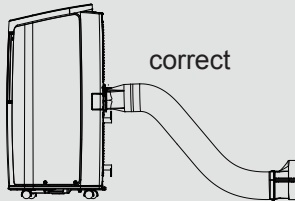
In order to improve cooling efficiency, the heat discharge pipe should be as short as possible and flat without curve to ensure smooth heat discharge.



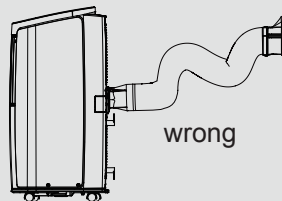
correct



correct

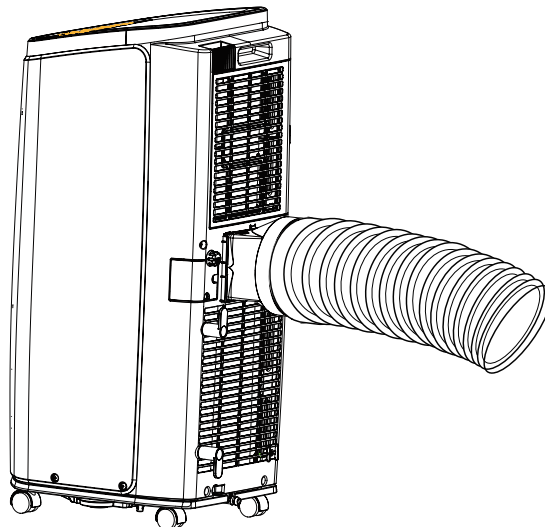


correct



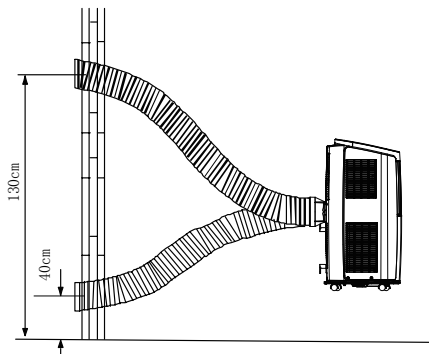
wrong

- The length of the heat discharge pipe is less than 1m. It is recommended to use it with shortest length.
- When installing, heat discharge pipe should be as flat as possible. Don't prolong the pipe or connect it with other heat discharge pipe.

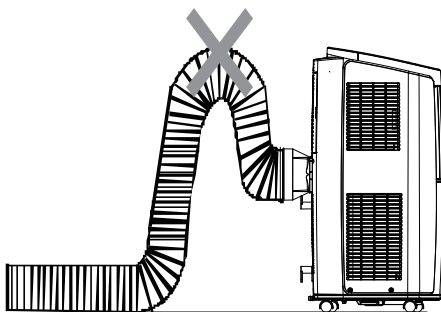


Installation and Disassembly of Heat Discharge Pipe

- Correct installation is as shown in figure (When installing it on wall, height of hall should be about 40cm-130cm from floor).

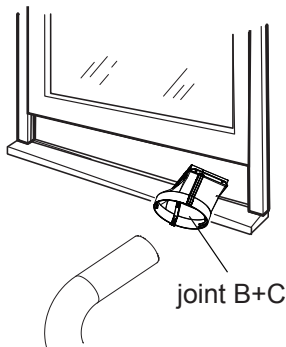


- Wrong installation is shown in following figure (If the pipe is bent too much, it would easily cause malfunction.)

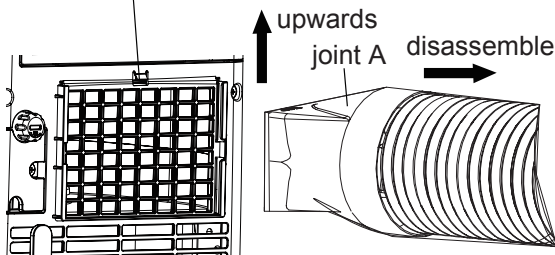


Disassemble heat discharge pipe

1. Remove joint B:
remove joint B from joint C.



2. Remove joint A:
Press the clasp and lift joint A upwards to remove it.

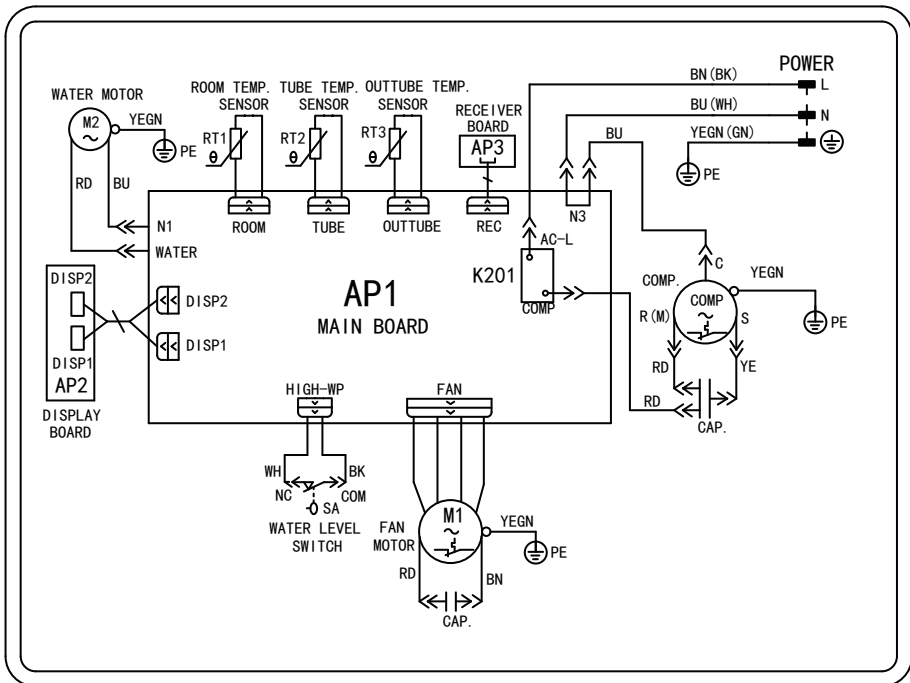


Operation Test

- Put through the power supply and then press ON/OFF button on remote controller to start the unit.
- Press mode button to select auto, cooling, drying, fan or heating function, and then check if the unit operates normally.
- If ambient temperature is below 16°C, the unit can't operate in cooling mode.

Electric Schematic Diagram

CH-M09K6S





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