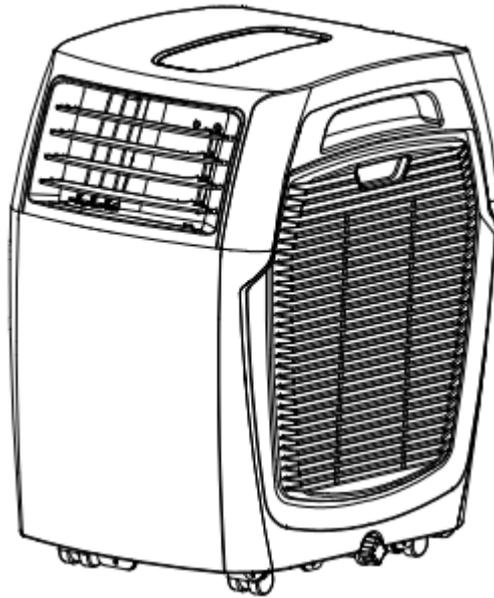


SERVICE MANUAL



PORTABLE AIR CONDITIONER

VERY IMPORTANT

Do not install and use your portable air conditioner unit before carefully reading this instruction guide.

Please retain this manual brochure for product warranty and future reference

CAUTION

1. " PLEASE MAKE SURE THE PRODUCT VENTILATES ALL THE TIME "! Please make sure the inlet and outlet ventilation is not blocked at all times.
2. Operate this unit on a horizontal surface to avoid water leakage.
3. Do not operate this unit in an explosive or corrosive atmosphere.
4. Operate this unit in an ambient of 35 degree centigrade or less.
5. The heating function of the unit should be operated in an indoor ambient temperature between 7 °C and 23°C
6. Clean air filter periodically to enjoy the most efficient cooling.
7. When the unit is shut off, please wait at least 3.5 minutes before restarting this is to prevent the compressor from being damaged.
8. This unit needs at least 7 Amps of electricity to have its compressor operational. To avoid the household electricity block out, please do not use any extension cord for this unit.
9. This unit is for indoor cooling, heating and dehumidifying.
10. When turning on the unit, the fan will operate but the compressor will start up after the cooling alarm flashes for three minutes
 - In heating function, the heating alarm will flash for 3.5 minutes before the compressor and fan start up.
11. When the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.
12. In order to dispose the appliance safely, please remove the batteries from the unit before scrapping it.
13. 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.
14. The air-conditioner can be connected only to a supply with system impedance no more than 0.219Ω. In case necessary, please consult your supply authority for system impedance information.

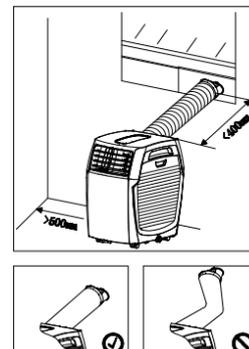
ATTENTION

For effective heating and cooling functions, please ensure that the following steps are undertaken:

- 1) Extend the exhaust hose to a length of not more than 400mm.

The exhaust hose must be kept parallel and must not be bent up or down.

- 2) A distance of 500mm minimum must be kept between the filter side of the unit and wall or any other obstacles".



CONGRATULATIONS ON YOUR SELECTION OF A QUALITY PORTABLE AIR CONDITIONER

PORTABLE AIR CONDITIONER

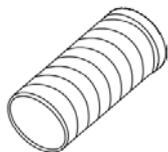
This Air Conditioner has been designed and manufactured to the highest standards of modern engineering. Our product not only provides you a remote control to help user operate all the functions easily and conveniently but also has below benefits:

- **Moves easily from room to room on easy glide castors**
- **No installation required-just plug into any household power outlet**
- **Powerful refrigerated air system cools down the ambience instantly whenever you want.**
- **Dehumidified and filtered air cycle improve breathing environments effectively.**
- **Besides the remote control, your one touch electronic pad also provides easy-identifying manual operation.**
- **24 hour programmable timer that can be used with either the air conditioning or dehumidification setting**
- **Unique sleep control function**
- **220-240Volt 50Hz operation**
- **1.8 meter cord with plug**

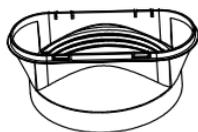
UNPACKING INSTRUCTIONS

1. Place the unit in the correct upright position before unpacking.
2. Cut the two packing straps.
3. Slide the carton in an upwards motion and it will release from the base.
4. Grip the carry handles located on either sides of the unit and carefully lift until it slides out of the foam base.
5. Install the exhaust hose on the unit before operating the unit.

Check packing accessories, read user's manual to get how to use them.



Exhaust hose



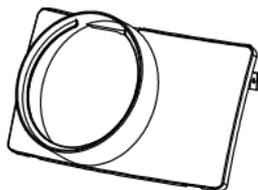
Joint tub



Window Kit



Remote control



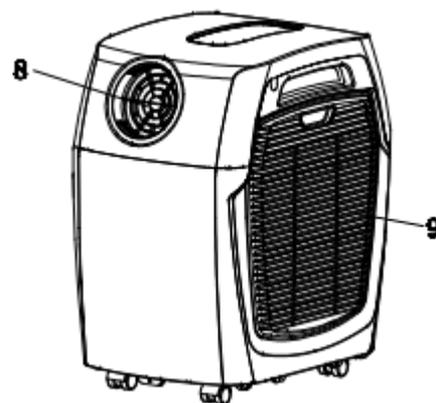
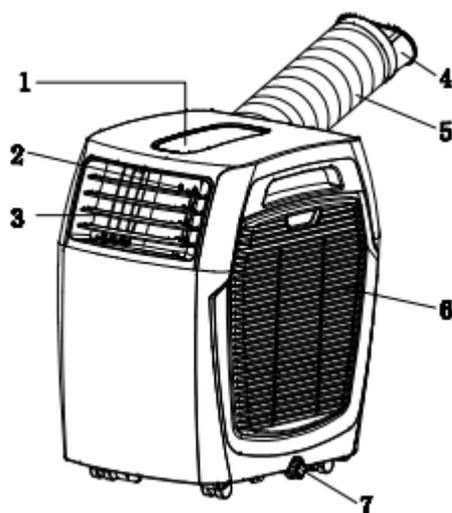
Hose connector



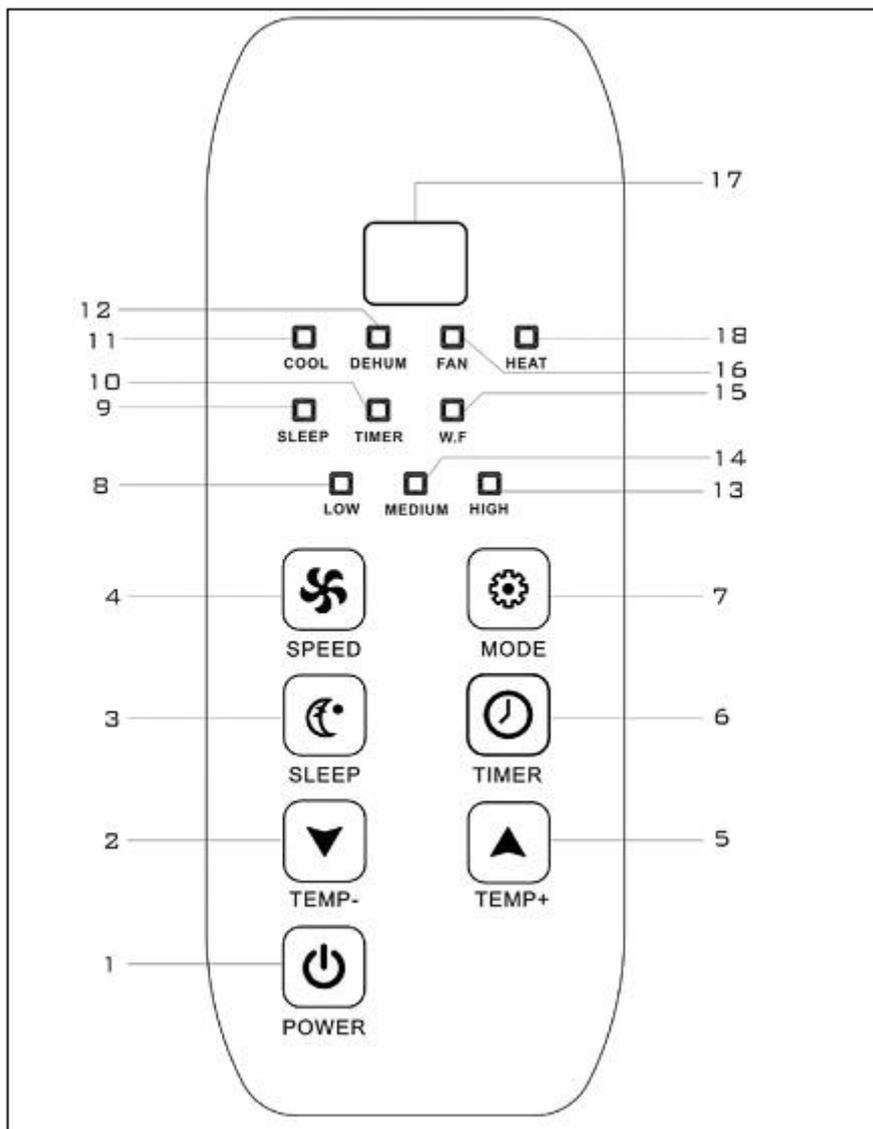
fan blade

NAME OF THE PARTS

1. Control panel
2. Remote control receiver
3. Adjustable air vent
4. Joint tube
5. Exhaust hose
6. Hot air filter
7. Drain hole
8. Hot air outlet
9. Cool air filter



CONTROL PANEL & DESCRIPTION OF FUNCTION



- | | |
|---|---|
| <ul style="list-style-type: none"> 1. POWER 2. TEMP- 3. SLEEP 4. SPEED 5. TEMP+ 6. TIMER 7. MODE 8. LOW FAN 9. SLEEP INDICATOR | <ul style="list-style-type: none"> 10. TIMER INDICATOR 11. COOL 12. DEHUMIDIFY 13. HIGH FAN 14. MEDIUM FAN 15. WATER FULL 16. FAN 17. LED DISPLAY 18. HEAT INDICATOR |
|---|---|

1. POWER KEY

Press to turn unit "ON" or "OFF".

2. TEMP- (DOWN)

During cooling function: This key lowers the preset temperature by 1 °C each time it is pressed and the minimum limit is 16 °C.

During heating function: This key lowers the preset temperature by 1 °C each time and the minimum limit is 16 °C.

3. SLEEP CONTROL FUNCTION

1. While in cooling mode, press the SLEEP key to set the temperature. It increases 1 °C after an hour and at most increases 2 °C after 2 hours.
2. While in heating mode, press the SLEEP key to set the temperature. It decreases 1 °C after an hour and at most decreases 2 °C after 2 hours.
3. Press the SLEEP key again can cancel the setting.

4. SPEED

Press to select either LOW, MEDIUM, or HIGH fan speed.

Note: In dehumidifying function, this key is invalid because the unit is **defined** to be low speed in dehumidifying mode.

5. TEMP+ (UP)

During cooling function: This key raises the preset temperature by 1 °C (1 °F) each time it is pressed and the maximum limit is 31 °C (90 °F) .

During heating function: This key raises the preset temperature by 1 °C (1 °F) each time it is pressed and the maximum limit is 31 °C (90 °F) .

6. PROGRAMMABLE TIMER

Programmable timer ON/OFF key.

TIMER-ON: The timer-on is used to turn on the unit automatically after the set time is over.

1. Press the "TIMER" key at stand-by status , then set the time you desired by pressing "TEMP+" or "TEMP-" key
2. Once the set hour has come to an end, the unit will turn on automatically.
3. Press the "POWER" key before time out, the setting time will be canceled and the unit will turn on.
4. You can set the function and fan speed while setting the timer.

TIMER-OFF: The timer-off is used to turn off the unit automatically after the setting time is over.

1. Press the "TIMER" key at operating status ,then set the time you desired by pressing "TEMP+" or "TEMP-" key.
2. Once the set hour has come to an end, the unit will turn off automatically.
3. Press the "POWER" key before the time out, the setting time will be canceled and the unit will turn off.

7. MODE

Press this key to select cooling, fan, dehumidifying or heating.

ALARM

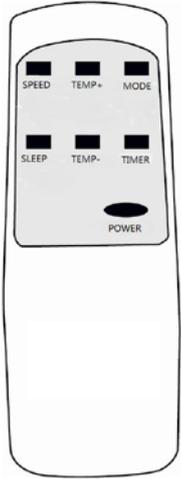
When the water tank is full, "E2" will be displayed on the display panel. To resume operation, please remove the rubber cap of the drain hose to drain out the water firstly. The E2 warning will disappear after draining, and then you can restart the unit by pressing the POWER key.

L.E.D. DISPLAY

The display indicates the current setting temperature or the timer setting. When the set temperature or the timer is adjusted, the new setting is shown then the display returns the current set temperature.

※ The display is also used to show error codes should a fault occur, see ERROR CODES.

REMOTE CONTROL FUNCTION



1. POWER
2. MODE
3. TIMER
4. SPEED
5. TEMP+
6. TEMP-
7. SLEEP

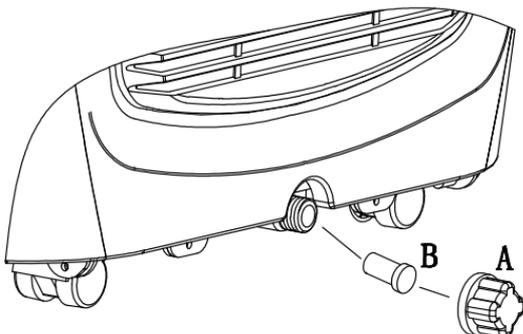
- On/Off switch
- MODE selector
- Hourly programming
- Fan speed selector
- Temperature selector up
- Temperature selector down
- Night operation selector

NOTICE

This unit can evaporate the condensation and distribute through the exhaust hose automatically.

1. When the unit is in the cooling function, it does not need the drain pipe installed. Please make sure that the rubber cap is locked on drain hole, when the unit is running.
 2. When operating the dehumidifying or heating function, the "B" rubber cap on drain hose should be pulled out and install a proper drain hose.
- Please remove the air exhaust hose, connect a drain hose to the drain hole and lead the water to the outside in order to intensify dehumidifying capacity.

※ panel.
water
the



When the water tank is full, "E2" will be displayed on the display. Please remove the rubber cap "B" of the drain hole to drain out the first. After the drainage is completed, please restart the unit and then unit can operate normally.

POWER SUPPLY

- (1) Confirm the correct power.
- (2) Insert the plug into the outlet firmly-In order to prevent any dangerous leakage.
- (3) Don't pull power wire by force because it will cause damage to power wire.

PLACE FOR USE



(1) Because the machine distributes hot air, please don't place or operate in a narrow place.

(2) In case of dangerous leak,

don't work the machine in a humid place.

(3) Don't place the machine in a sunlit corner otherwise the unit might shut down due to the overheat and the color of the machine may soon fade out.

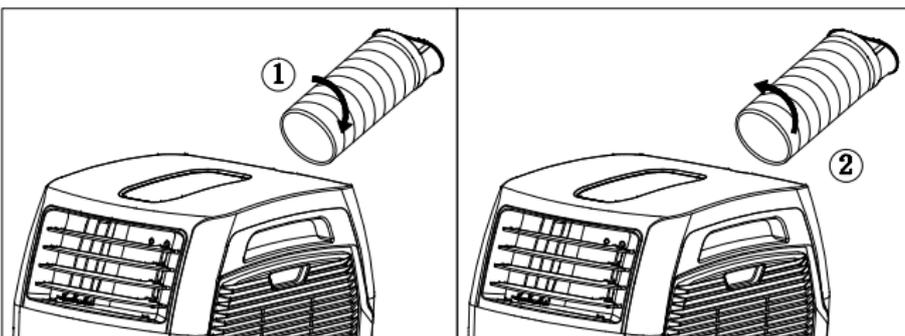
HELPFUL HINTS

The unit is fitted with a special thermal cut off device.

Please ensure the unit is not placed against objects which will obstruct air intake e.g. furniture or curtains as this will affect it's performance dramatically.

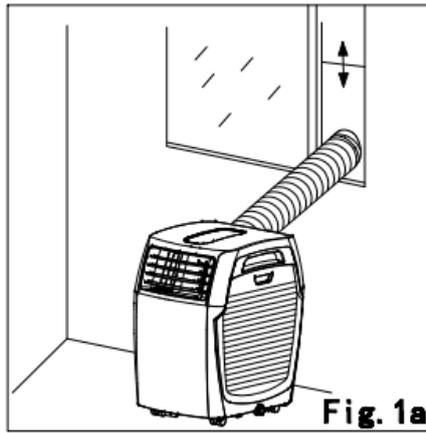
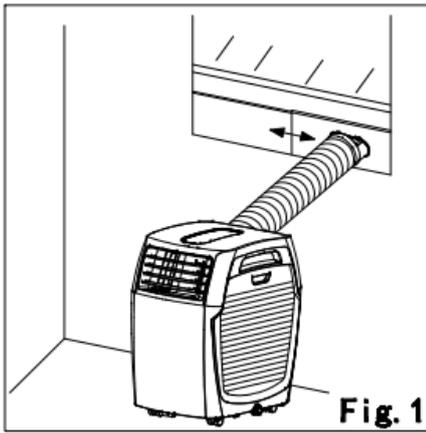
EXHAUST HOSE INSTALL

- 1. Circumrotate the exhaust hose according to the direction as the arrowhead ① indicates and then the exhaust hose can be took out from the unit.
- 2. Circumrotate the exhaust hose according to the direction as the arrowhead ② indicates and then make it connect with the unit.

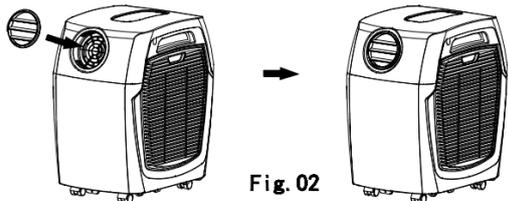
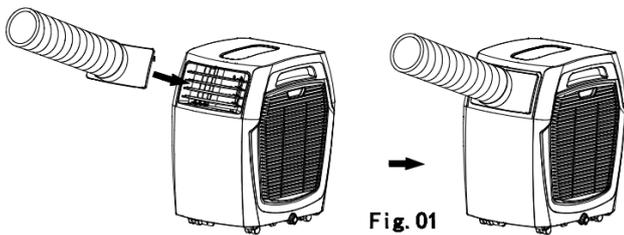


WINDOW KIT INSTALL

- ◆ Install the Exhaust Hose and the Adjustable Window Slider Kit as depicted in Fig.1 & Fig.1a.



How to enjoy heating function?



When operating heating function:

Assemble the fan blade and the exhaust hose as Fig.01 and Fig.02

Common Trouble Shooting

When trouble happened, don't get panicky and take apart the machine without any analysis, otherwise some unnecessary damages will be caused. Please deal with the trouble as following to find a correct solution. Any repairing and operating, only the serviceman can work on the repairs, and remember to use electricity safely.

Troubles	Possible Causes	Suggested Remedies
1. Unit does not start when pressing ON/OFF button	- Water full indicator lamp blinks, and water tank is full.	Dump the water out of the water tank.
	- Room temperature is higher than the setting temperature. (Electric heating mode)	Reset the temperature
	- Room temperature is lower than the setting temperature. (Cooling mode)	Reset the temperature

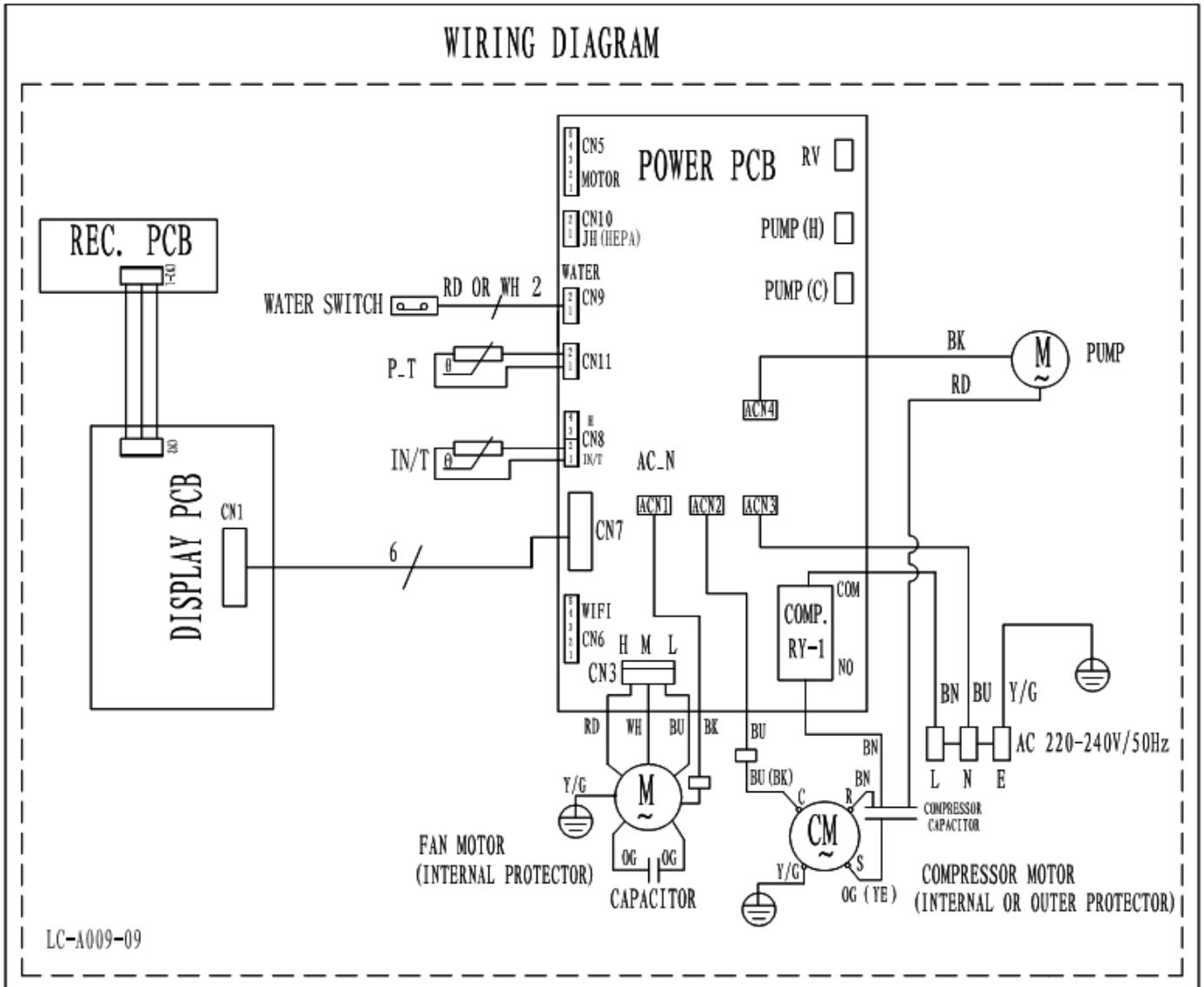
2.when the aircon without power	- the power is not available	Check the circuit, and confirm the mains input.
	-the control panel and the power panel are not connect	Detach the front panel, and reconnect the wire harness.
	-the controller without power	Detach the circuit, and check the relay's power supply, check the wire harness. And confirm the wiring are not loosen.
	-the controller has damaged	Change the same standard electrical component, or change the same standard controller.
3. Not cool enough	- The doors or windows are not closed.	Make sure all the windows and doors are closed.
	- There are heat sources inside the room.	Remove the heat sources if possible
	- Exhaust air hose is not connected or blocked.	Connect or clean the exhaust air hose.
	- Temperature setting is too high.	Reset the temperature
	- Air inlet is blocked.	Air inlet is blocked.
4、 not heat enough	- The doors or windows are not closed.	Make sure all the windows and doors are closed.
	- Exhaust air hose is not connected or blocked.	Connect or clean the exhaust air hose.
	- Temperature setting is too low	Reset the temperature
	- Air inlet is blocked.	Air inlet is blocked.
5、 it can not cooling or heating	-the compressor is not working	Detach the front and back panel,A、 check the wire of the compressor if loose or not, if so, pls replug it. B、 Using the multimeter to measure the capacitor for the compressor if damaged or not, if so, It need to change the

		capitor
	-the compressor are working, but the aircon cannot cooling/heating	without refrigerant, detach the front and back panel, check it by your eyes or your hands, and find the leak point of the gas, firstly, use the tong to cut the end capping of the process tube, if confirm without the refrigeration, soldering or change the channel of the leak point(generally speaking, the leak point of the channel which included process tube, the weld for tee strainer, entrance of the condenser and the U-shape place of the compressor high/low-voltage tube), meanwhile, after replacing the process tube by the needle valve, and use vacuum, then according to the charge amount of the refrigerant listed in the rating label and fluoridize
6. Noisy	- The ground is not level or not flat enough	Place the unit on a flat, level ground if possible
	- The sound comes from the flowing of the refrigerant inside the air conditioner	It is normal.

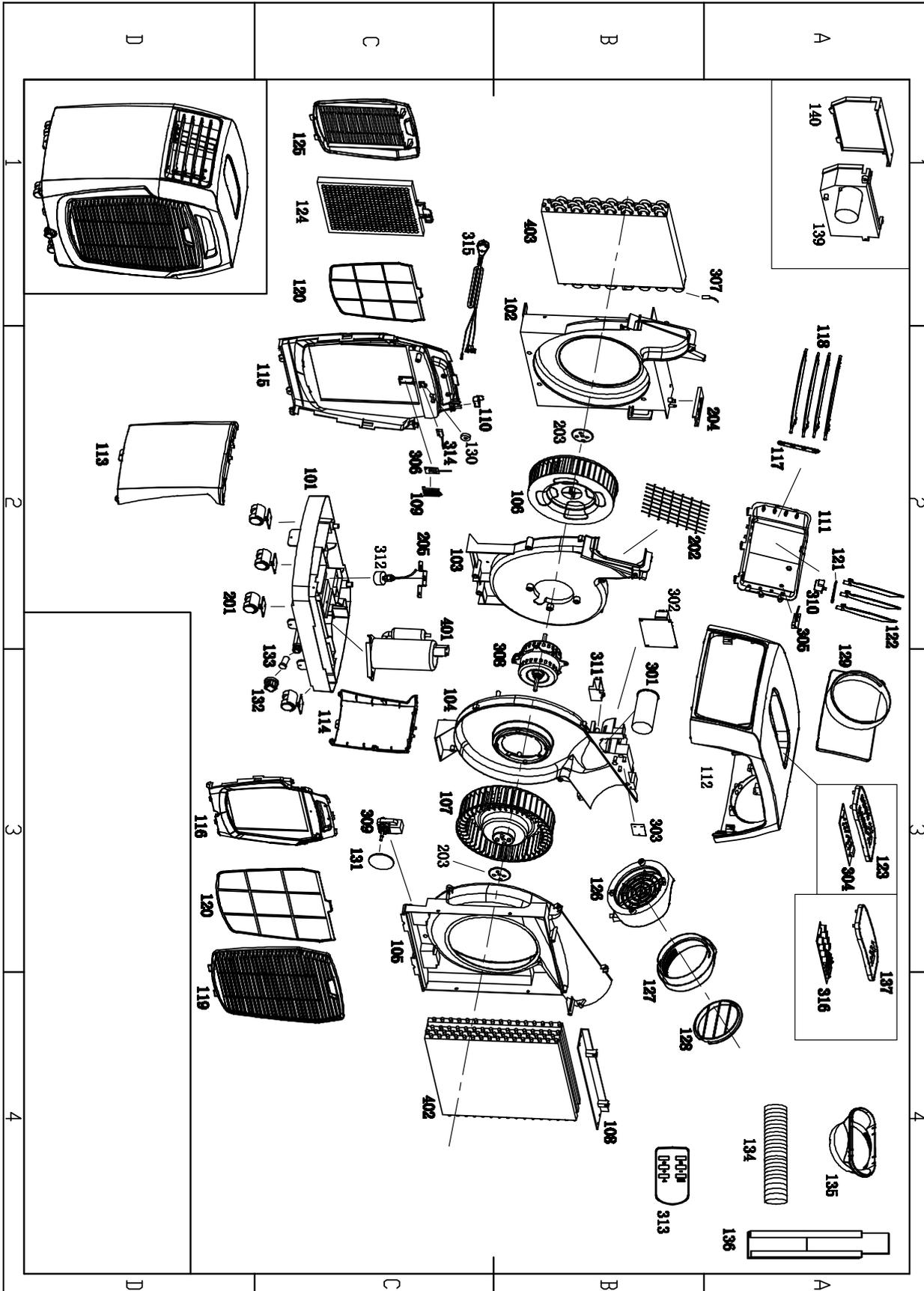
	- touch tube	Detach the front panel, adjust the location of the capillary, process tube and the exhaust-pip's spring shock, to make room for them between 5-8m, and set up the front panel again.
	-allophone of the under air fuel	Detach the front&back panel, the condensor and the cover of container, to check the bolt in the fan wheel, if they loose, then retighten them. Meanwhile, check the fan wheel, if it is damaged, it need to rechange the fan wheel.
	- allophone of the up air fuel	Detach the front&back panel, check the fan wheel, if it loose or be damaged, it need to retighten or rechange.
7. E0 Code	-the terminals of the sensor failed to connect	Detach the front panel and connect the sensor.
	-Room temperature sensor failed	Replace room temperature sensor (the unit can also work without replacement.)
7. E2 Code	-water full	re-up electricit and open the unit, the aircon will restored.
	Water pump failed.	- Restart the unit, and the failure may disappear. - Replace water pump.
8. water leak	-the hole leak in the cover of containe is jamed	-depach the black the panel, remove the sundries in the hole leak, keep it unobstructed.
	-the trough leak in the supplying fan	- depach the front&black

	motor valveu is jamed.	the pannel, remove the dusty,keep it unobstructed.
--	-------------------------------	---

Wiring Diagram



Explosive View



Number	Name
101	under pan
102	outer evaporator air duct
103	inner evaporator air duct
104	inner radiator air duct
105	outer radiator air duct
106	evaporator fan wheel
107	radiator fan wheel
108	radiator top plate
109	temperature head cover
110	buckle
111	air outlet frame
112	top cover
113	front panel
114	back panel
115	left panel
116	right panel
117	horizontal connecting rod
118	horizontal blades
119	purified
120	frame layer(need to hang the nylon mesh)
121	vertical connecting rod
122	vertical blades
123	double 8 power panel
125	purified purified
126	back exhaust dadapter
127	back flexible exhaust hose connector
128	back venting frame
129	front flexible exhaust hose connector
130	fixed sleeve
131	pump wheel
132	Drainage nut
133	stopper

134	flexibe exhaust hose
135	circular adapter
136	window kit
137	touch screen
138	touch plate
139	electtric control box
140	electtric control box cover
201	wheel
202	evaporator net
203	Blades fixed piece
204	ground wires plate
205	water lever switch bracket
301	compressor capacitor
302	power pannel
303	wifi receiver
304	display PCB(touch-tone type)
305	remote control receiver
306	humidity Sensor
307	thermistor
308	fan motor
309	shaded pole motor
310	step motor
311	fan motor capacitor
312	magnotic ring switch components
313	remote contro, white
314	touch switch
315	power line
316	display PCB
401	compressor
402	condensor
403	evaporator