

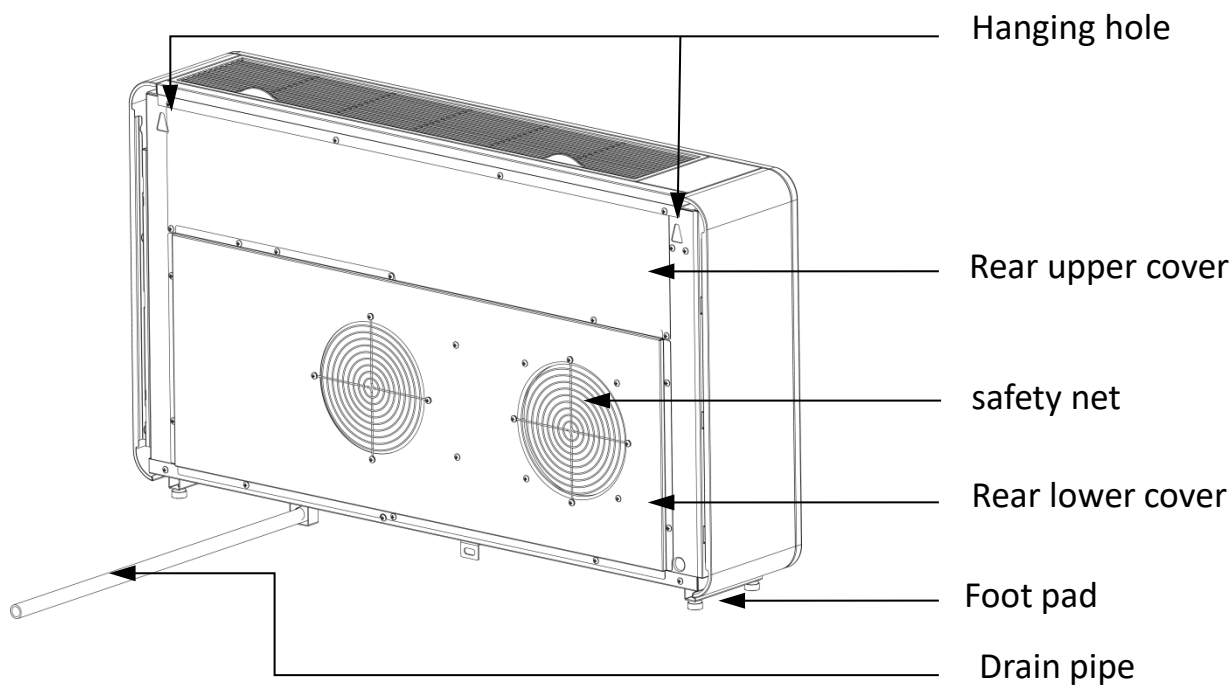
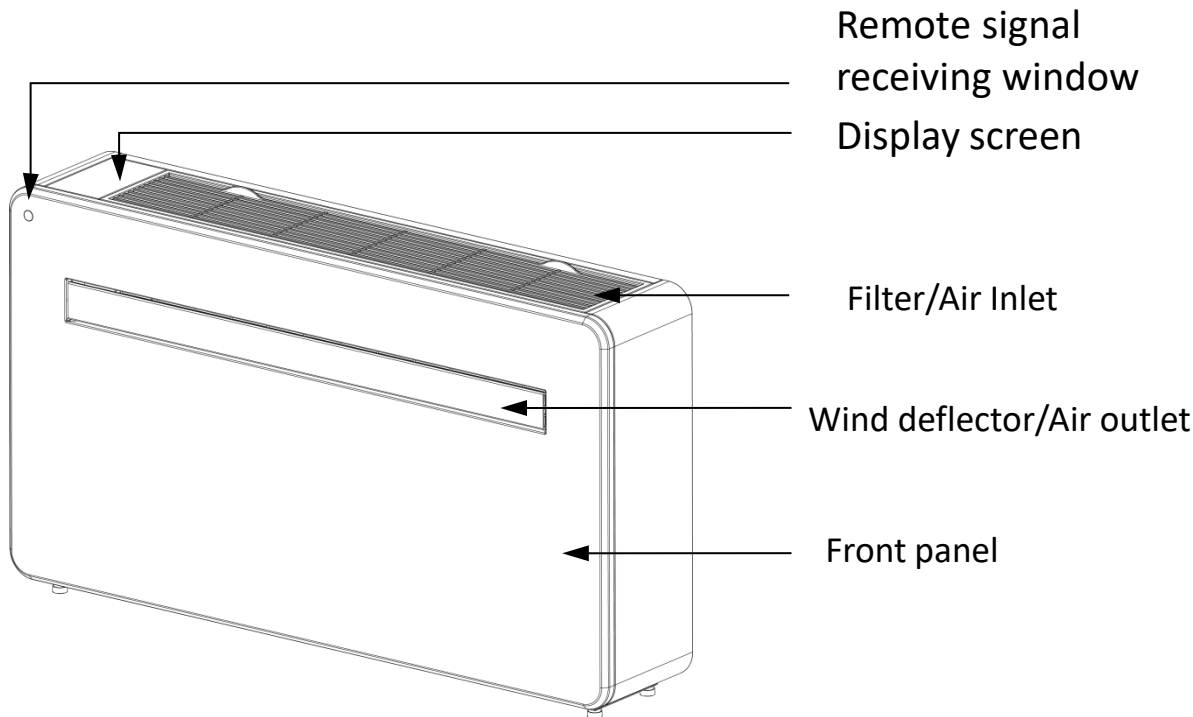
Ver. | - -



IMPORTANT NOTE:

Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.

Section 1: Main Structure



Section 2: Disassembly Process Description

1.Appearance disassembly icon

1.1 Top disassembly



1) Lift the lugs with hands (two places in the figure) to remove the filter



2) Use a tool to remove the screws (two in the picture), then the decorative cover can be removed

Note: The screw specification is ST3.9×12/large flat head/pointed tail

1.2 Disassembly of the left and right cover



1) Use a tool to remove the screws (six in the figure), then the left and right panels can be removed

Note: The screw specification is $ST3.9 \times 10$ /large flat head/pointed tail

1.3 Front cover disassembly

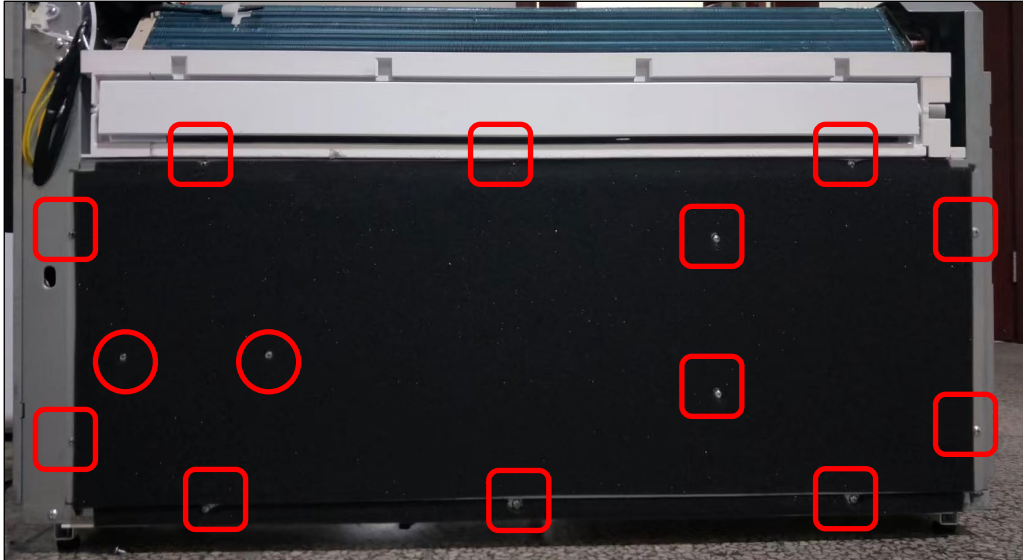


1) Use a tool to remove the screws (four in the picture), then the front panel can be removed

Note: The screw specification is $ST3.9 \times 10$ /large flat head/pointed tail

2. Internal disassembly

2.1 Front panel disassembly



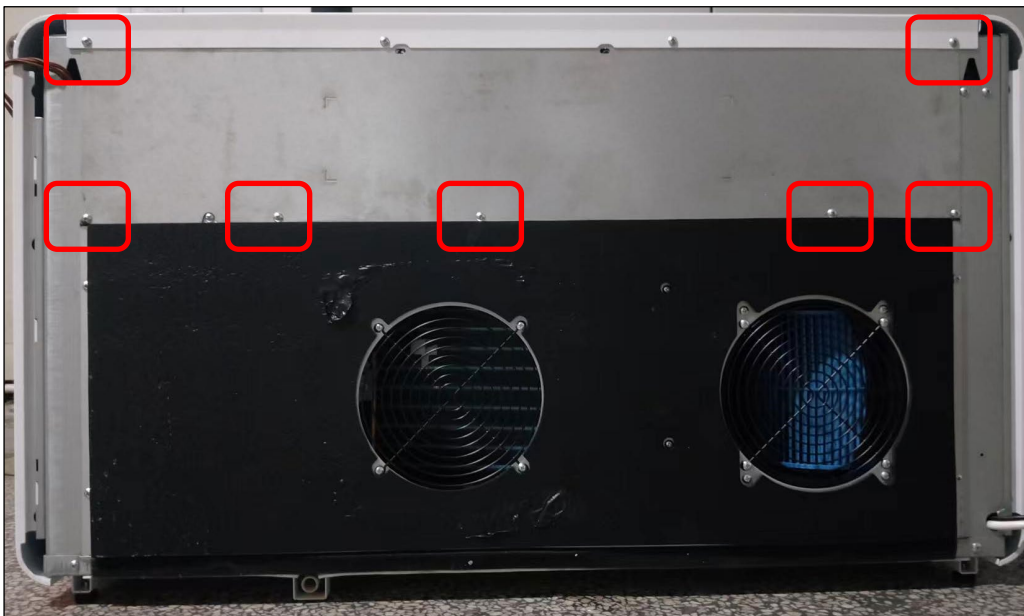
1) Use a tool to remove the screws (fourteen in the marked position), then the front cover can be removed

Note:

①The screw specification is $ST3.9 \times 10$ /large flat head/pointed tail (Square mark twelve pieces)

②The screw specification is $ST3.9 \times 16$ /large flat head/flat tail (Round mark two pieces)

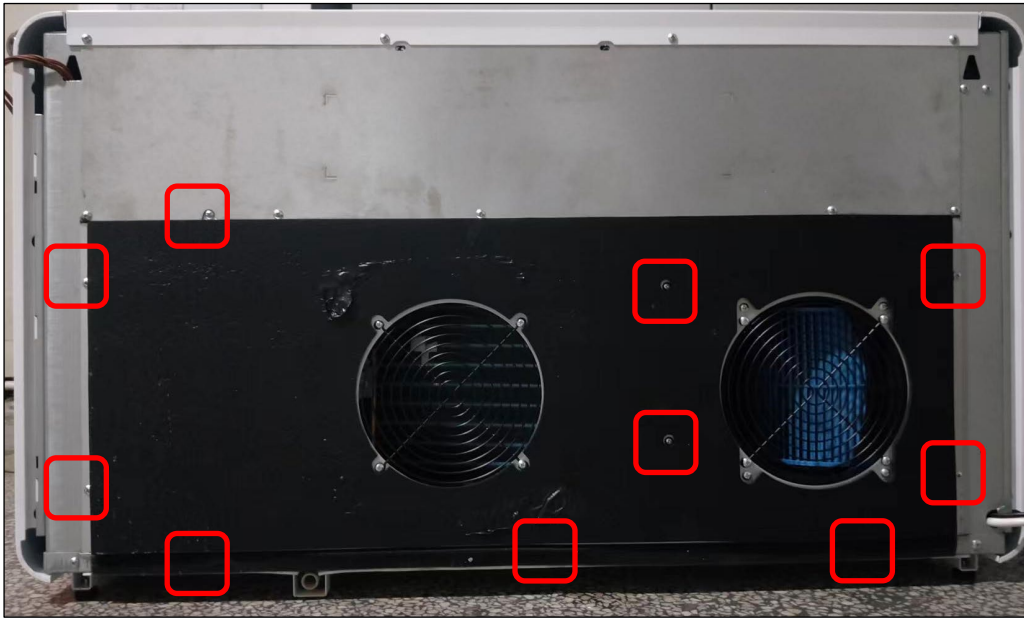
2.2 Back upper panel disassembly



1) Use the tool to remove the screws (seven in the mark position), and then remove the back part together

Note: The screw specification is $ST3.9 \times 10$ /large flat head/tail tail

2.3 Disassembly of the rear lower cover

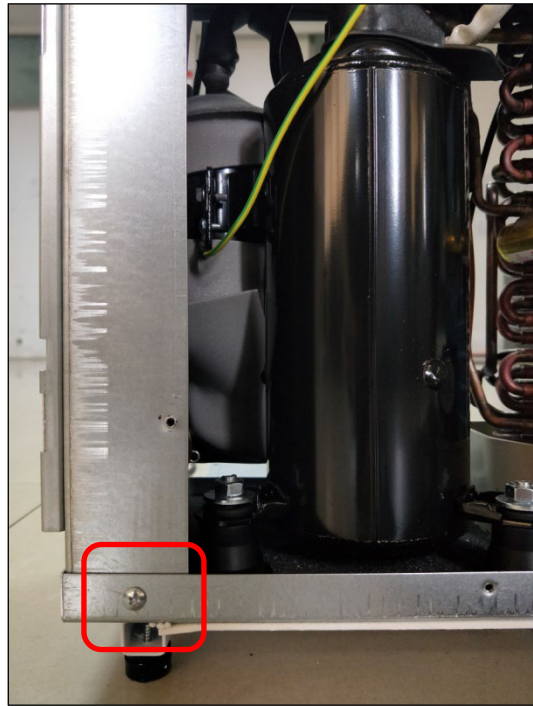


1) Use the tool to remove the screws (ten marked positions), and you can remove the rear cover and the lower airway

Note: ① The screw specification is ST3.9 × 10/large flat head/sharp tail

② If the lower side cover is disassembled separately, it is necessary to implement Article ② in 2.1 and 2.2

2.4 Disassembly of the right panel



1) Use a tool to remove the screws (five marked positions), then the right support plate can be removed

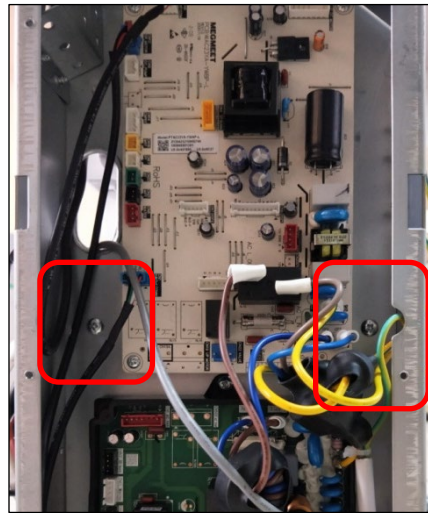
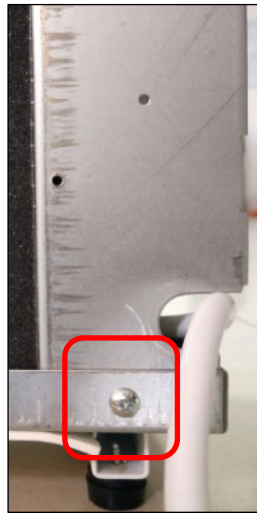
Note: The screw specification is ST3.9 × 10/large flat head/pointed tail

2.5 Disassembly of the left panel



1) Use a tool to remove the screws (three marked positions), then the electric control box cover can be removed

Note: The screw specification is $ST3.9 \times 10$ /large flat head/pointed tail



2) Unplug the plug end

Note: Some parts can be plugged in (WIFI plug, fan plug, power cord, motherboard connection line)

3) Use a tool to remove the screws (four marked positions), then the electric control box can be removed

Note: The screw specification is $ST3.9 \times 10$ /large flat head/pointed tail

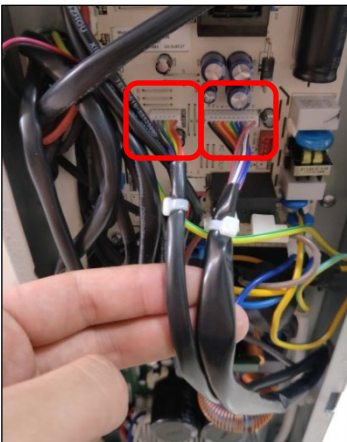
2.6 Disassembly of functional parts

2.6.1 Removal of display board

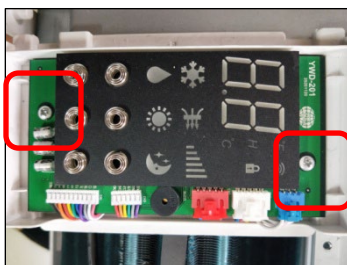


1) Use a tool to remove the screws (three marked positions), then the electric control box cover can be removed

Note: The screw specification is $ST3.9 \times 10$ /large flat head/flat tail



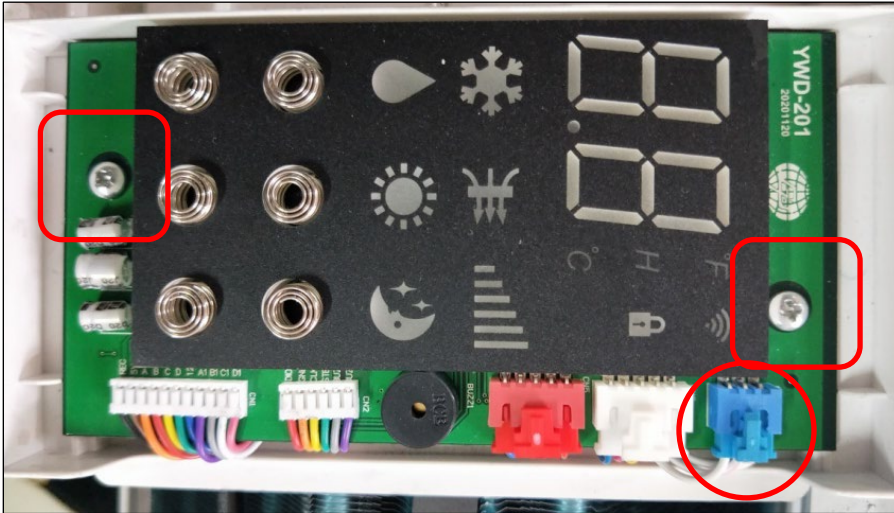
2) Unplug the insertion head (five marked positions)



3) Use a tool to remove the screws (two marked positions), then the display light board can be removed

Note: The screw specification is $ST2.9 \times 8$ /large flat head/flat tail

2.6.2 Removal of the remote control receiving board



- 1) Use a tool to remove the screws (two in the marked position)
Note: The screw specification is ST2.9×8/large flat head/flat tail
- 2) Pull out the plug-in end (the circular mark positions are in one place)



- 3) Use a tool to remove the screws (one marked position), and then the remote control receiving board can be removed
Note: The screw specification is ST2.9×8/large flat head/flat tail

2.6.3 Removal of the electric control board

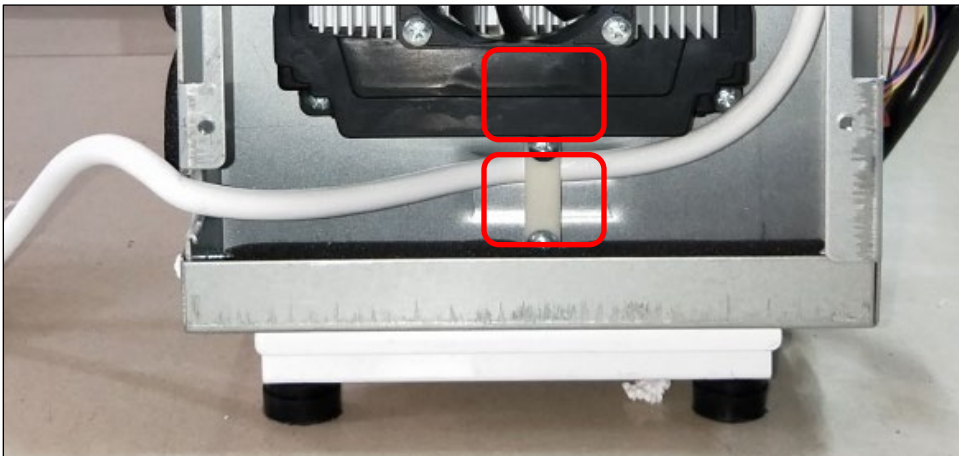


Figure 1

1) Use a tool to remove the screws shown in Figure 1 (four square markings), and then the electronic control board can be removed

Note: The screw specification is $ST2.9 \times 10$ /large flat head/flat tail

2.6.4 Power cord removal



1) Use a tool to remove the screws (two marked positions), then the power cord can be removed

Note: The screw specification is $ST3.9 \times 16$ /large flat head/pointed tail

2.6.5 Disassembly of WIFI module



Figure 1

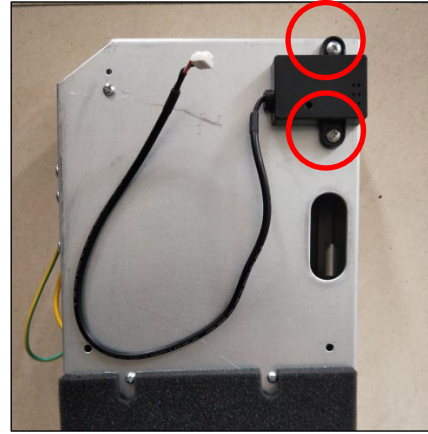
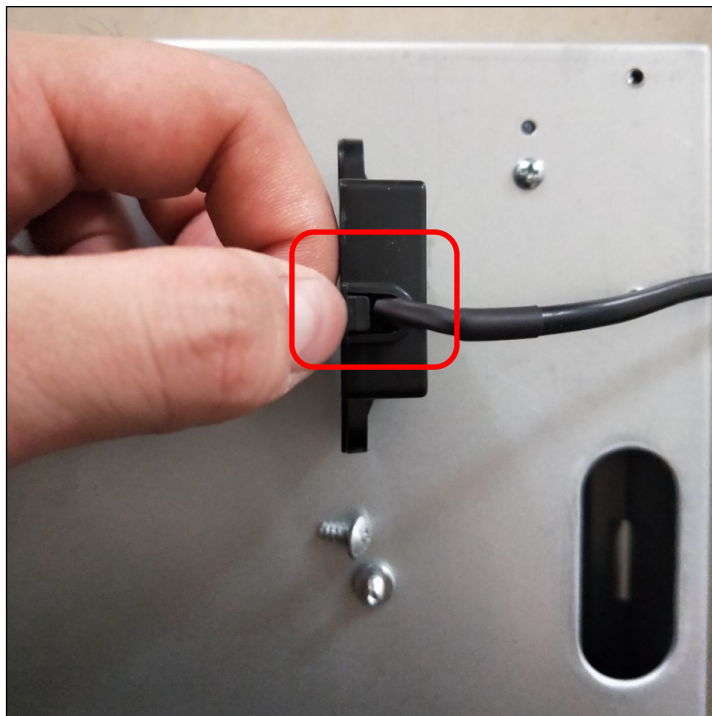


Figure 2

- 1) Unplug the connector end shown in Figure 1 (one square mark)
- 2) Use a tool to remove the screws shown in Figure 2 (two round marks), then the WIFI box can be removed

Note: The screw specification is $ST3.9 \times 10$ /large flat head/flat tail



- 3) Remove the WIFI box cover by tilting the position shown in the figure, and then the WIFI module can be taken out.

2.6.6 Disassembly of stepper motor

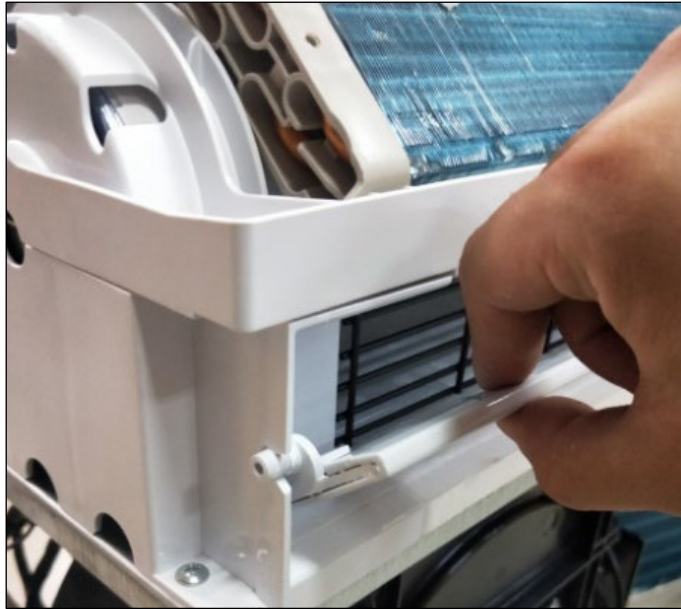


Figure 1



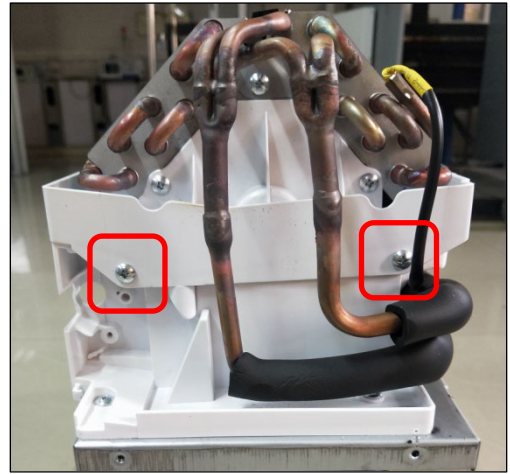
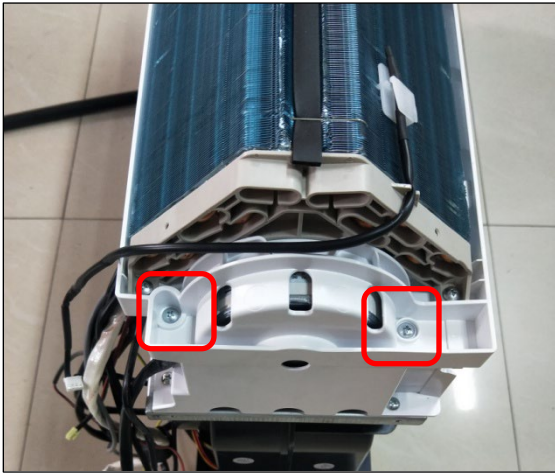
Figure 2

1) Rotate the air guide to the angle shown in Figure 1 and pull it out from the end to remove the air guide

2) Use a tool to remove the screws shown in Figure 2 (two marked positions), then the stepper motor can be removed

Note: The screw specification is ST3.9×8/pan head/cut tail

2.6.7 Disassembly of air inlet motor



1) Use a tool to remove the screws (four marked positions)

Note: The screw specification is $ST3.9 \times 12$ /large flat head/flat tail



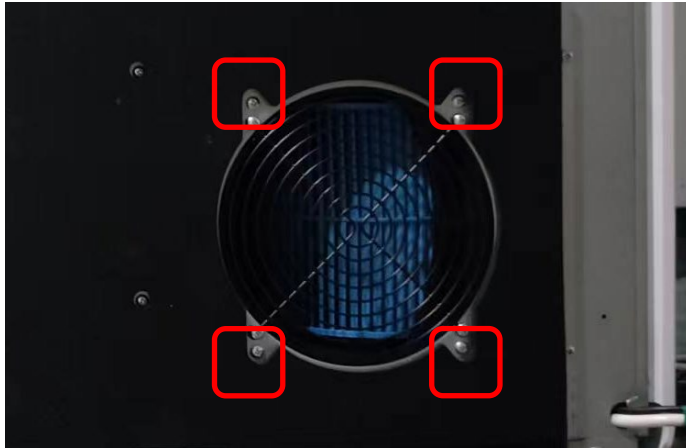
2) After the drain pan is lifted, pull out the air inlet motor and fan wheel.



3) Use a tool to remove the bolts (1 in the marked position), then the air **inlet** motor can be removed

Note: Bolt specification is $M4 \times 8$ /pan head

2.6.8 Disassembly of air outlet motor

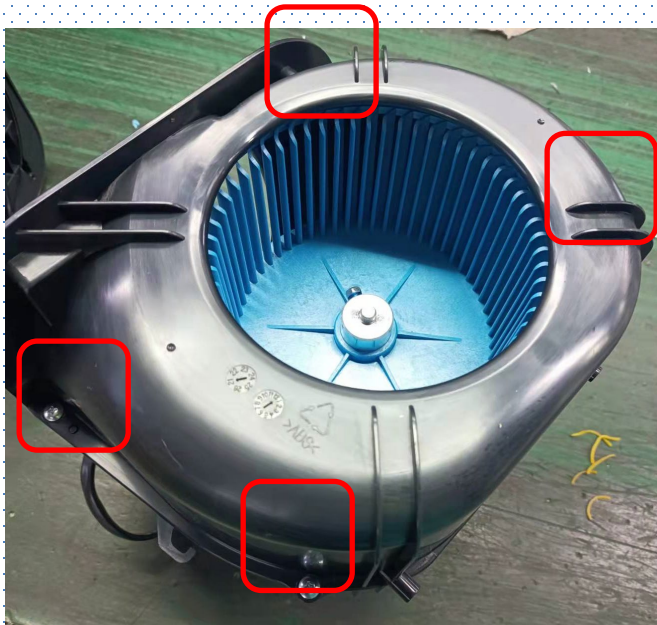


1) According to 2.3_ rear disassembly guidance to complete the rear cover disassembly

Note: The lower airway is installed on the rear cover

2) Use the tool to remove the screws (four marked positions) to remove the air duct

Note: The screw specification is ST3.9 × 16/Big flat head/flat tail



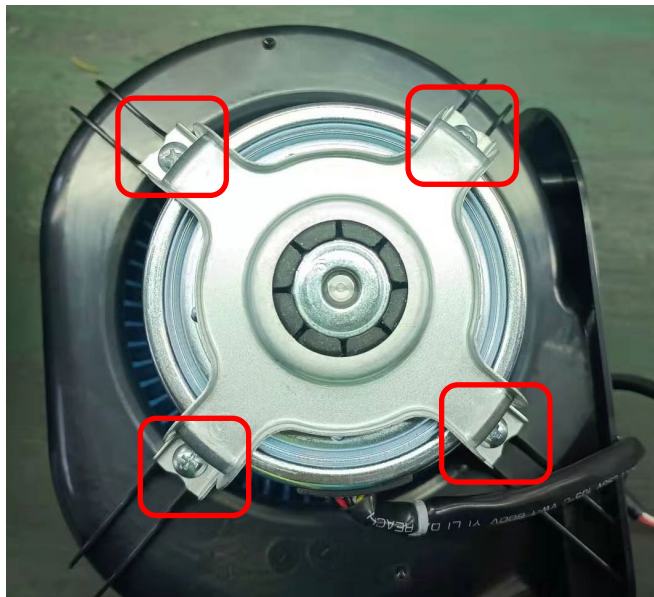
3) Use the tool to remove the screws (four marked positions) to remove half of the wind tube shell

Note: The screw specification is ST3.9 × 16/Big flat head/flat tail



4) Use a wrench to remove the bolt (1 marked position) to take off the wind wheel

Note: The specification of the bolt is $M6 \times 8$



5) Use a tool to remove the screws (four marked positions), and then the air outlet motor can be removed

Note: The screw specification is $ST3.9 \times 16$ /large flat head/flat tail

2.6.9 Disassembly of the water splash motor



Figure 1



Figure 2



Figure 3

1) Use a tool to remove the screws shown in Figure 1 (two marked positions)

Note: The screw specification is $ST3.9 \times 12$ /large flat head/flat tail

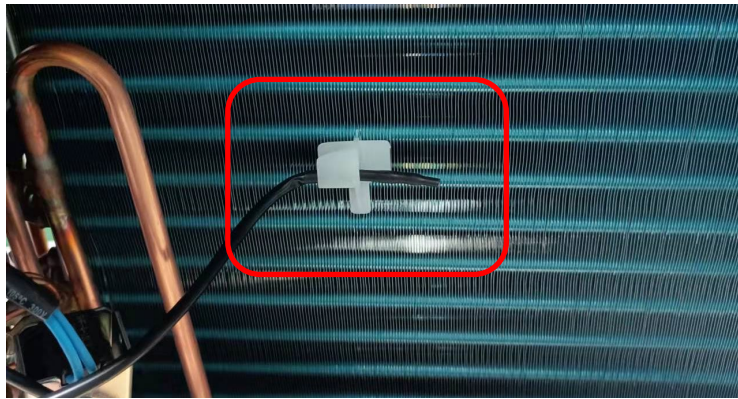
2) Use tools to remove the screws shown in Figure 2 and Figure 3 (two marked positions)

Note: The screw specification is $ST3.9 \times 12$ /large flat head/pointed tail

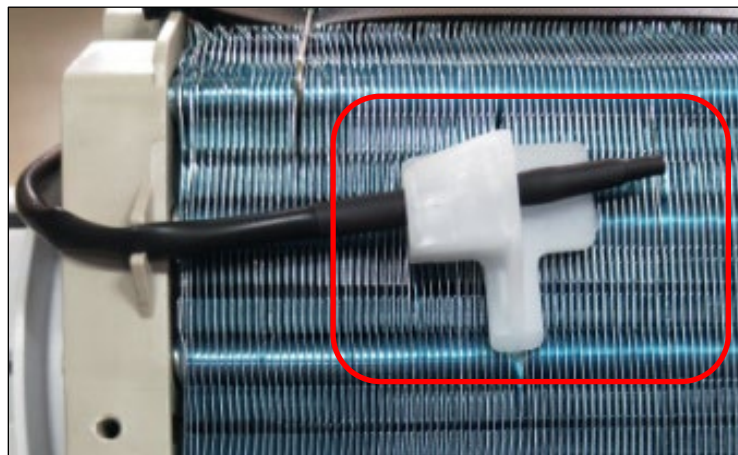


3) Lift the upper part of the water pumping motor to take out the water splash motor

2.6.10 Sensor removal



1) Outdoor temperature sensor. Matching with the fixing card, it can be removed directly

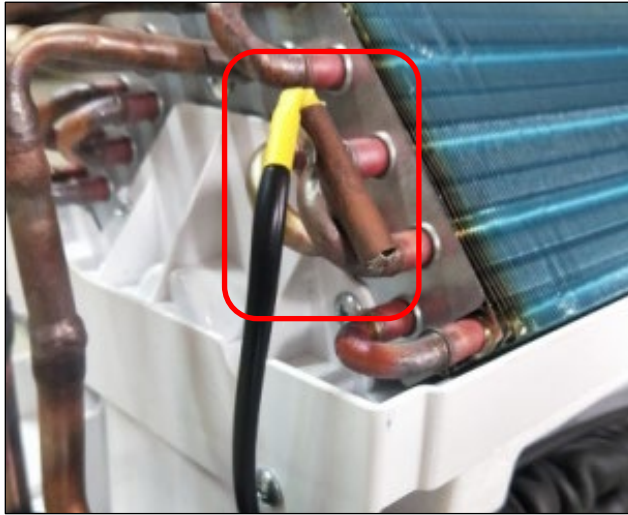


2) Indoor temperature sensor. Matching with the fixing card, it can be removed directly

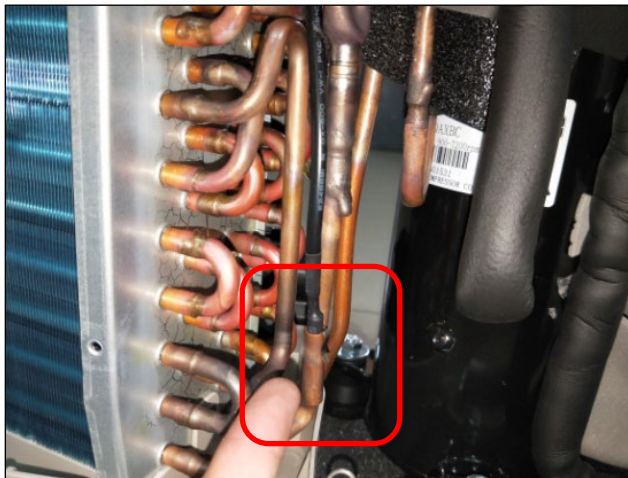


3) Exhaust pipe temperature sensor. Use circlips, cable ties and copper pipes to lock, use tools to cut the cable ties and remove them

Note: Please pay attention not to lose the metal circlip when disassembling



④Evaporator temperature sensor



⑤Condenser temperature sensor

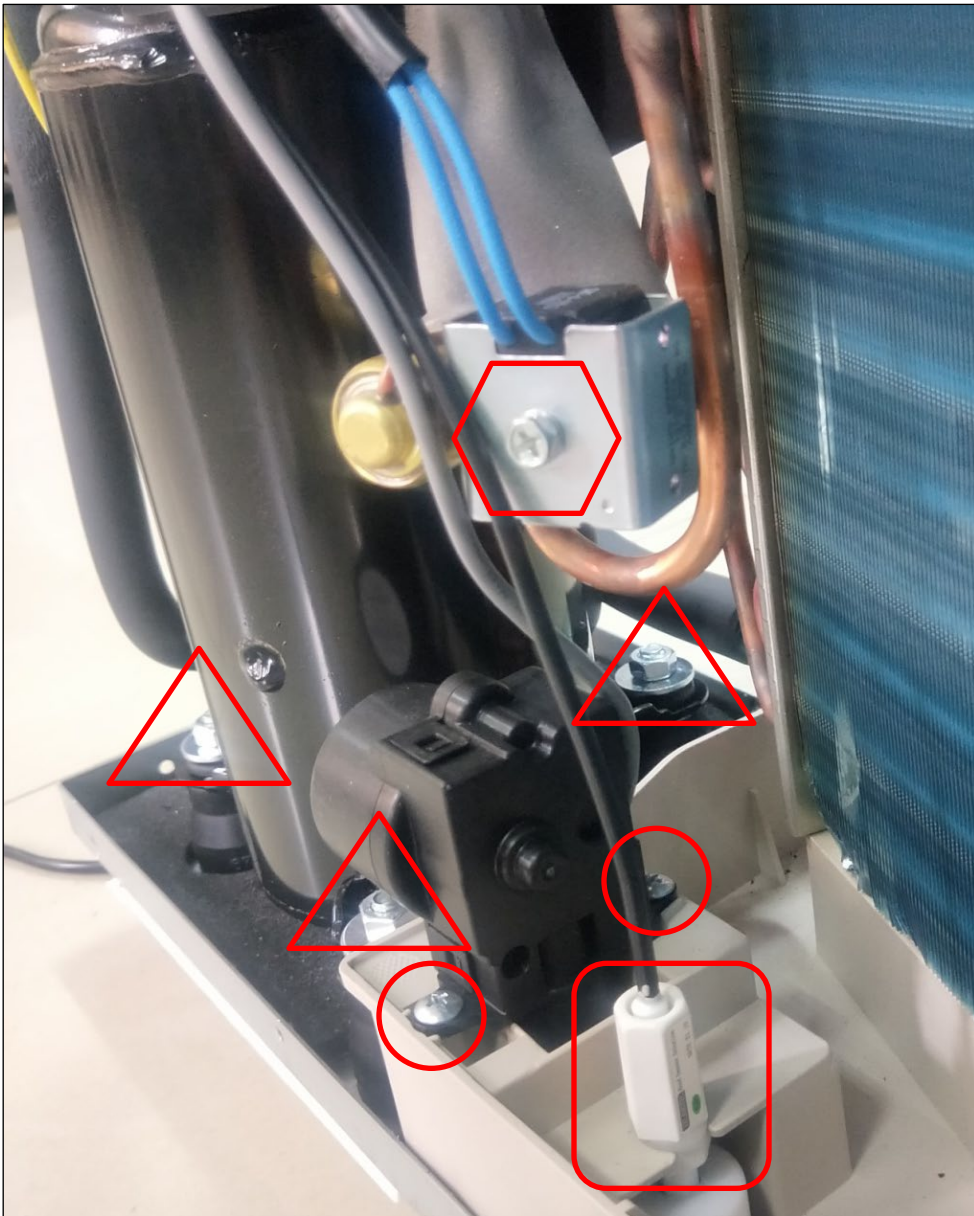


⑥Return air pipe temperature sensor

4) ④, ⑤, ⑥The sensor is matched with the copper tube and can be pulled out directly

Note: There is a metal circlip for pressing the sensor in the copper tube, please be careful not to lose it when disassembling

2.6.11 Removal of other electronic components



1) Use a tool to remove the screws (two circular marks), then the drain valve assembly can be removed

Note: The screw specification is ST3.9×12/large flat head/flat tail

2) Use a tool to remove the bolts of the drawing (one hexagon mark), then the four-way valve coil can be removed

Note: The bolt specification is M5×10/with spring washer

3) Use a wrench to remove the nuts (three triangle marks), then the compressor can be removed

Note: The nut specification is M8

4) Manually rotate the plastic column in the square marking area counterclockwise to remove the float assembly

2.6.12 Disassembly of electric heater (Note: only applicable to models with PTC)

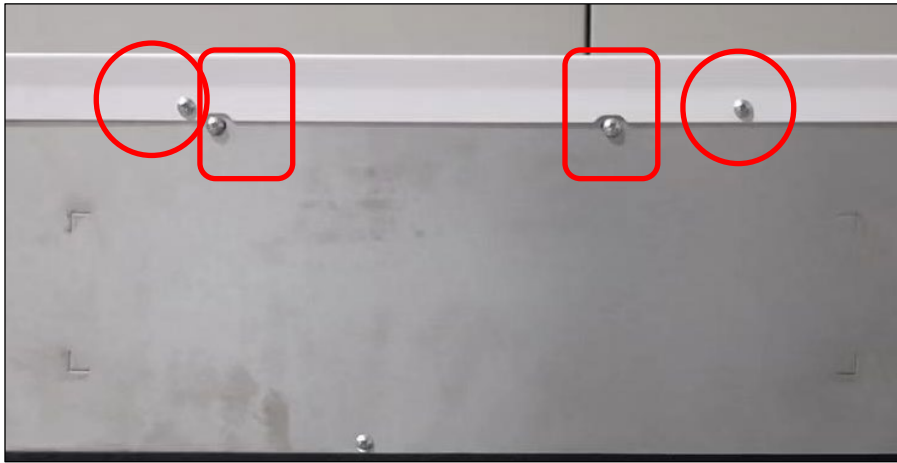


Figure 1



Figure 2



Figure 3

1) Use tools to remove the screws marked in Figure 1 (two square marking positions)

Note: The screw specification is $M4 \times 8$ /large flat head/flat tail/toothed washer

2) Complete the disassembly of the rear upper cover according to 2.2_ Rear upper disassembly guide

Note: Retain the marked screws in Figure 1 (two circular markers), the rear upper cover can be removed together with the support bar

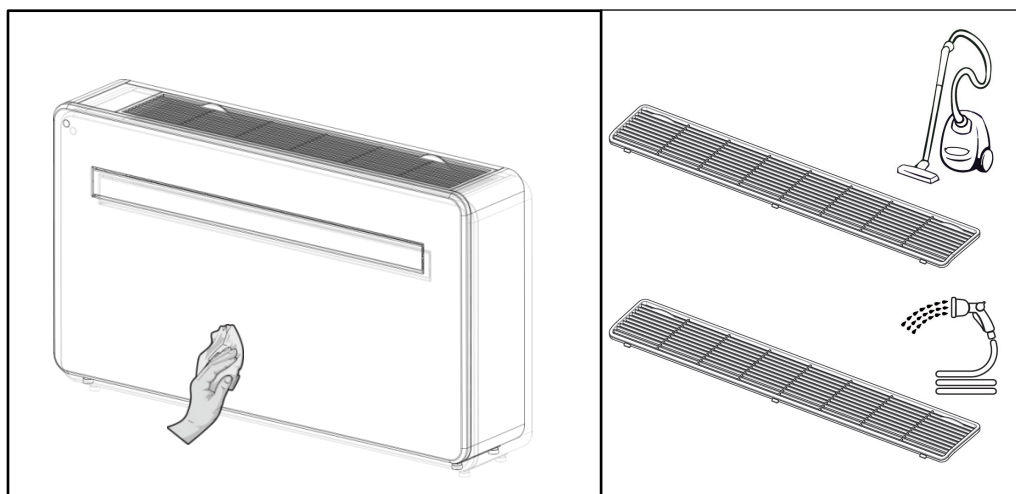
3) Use a tool to remove the screw through the hole marked in Figure 2 (one mark)

Note: The screw specification is $ST3.9 \times 12$ /large flat head/flat tail

4) Use the tool to unplug the plug connector marked in Figure 3 (there are two in the marking positions), and then the electric heater can be removed.

Note: The screw specification is $ST3.9 \times 12$ /large flat head/flat tail

Section 3: Maintenance



Cleaning: Removing the filter and clean it, then put it back in place after it is clean and dry;

Precautions:

- 1) Be sure to turn off the machine and pull out the plug before cleaning;
- 2) If you really need to clean the inside of the unit, please contact a professional;
- 3) Please use a semi-damp soft cloth or a neutral detergent to clean the surface of the body.

Do not use chemical solvents such as benzene, gasoline, alcohol, etc. to clean the air conditioner

Section 4: Trouble shooting

Please do the following checks before contacting a professional:

Trouble	Check	Solution
The A/C doesn't work	Is there a power failure? The plug is not plugged in? Has the fuse blown or turned off? Is the time setting appropriate? Is the water full warning?	normal phenomenon. Plug in the power plug firmly. Replace the fuse or turn on the power supply. Change the time setting. Pour out the water.
The cooling/heating effect is not good	Is the air inlet and outlet blocked? Are there other sources of heating indoors? Is the filter too dirty? Is the temperature setting appropriate? Is the fan speed set at the lowest level?	Clear the blockage. Remove other heat sources. Clean the filter. Change the temperature. Choose the appropriate wind speed.

Note: When the following abnormalities occur to the air conditioner, turn it off and unplug it, and then contact a professional electrician

- The fuse is often broken.
- The power cord is overheated or the skin of the cord is exposed.
- The body produces an abnormal smell.

Intelligent Trouble shootings:

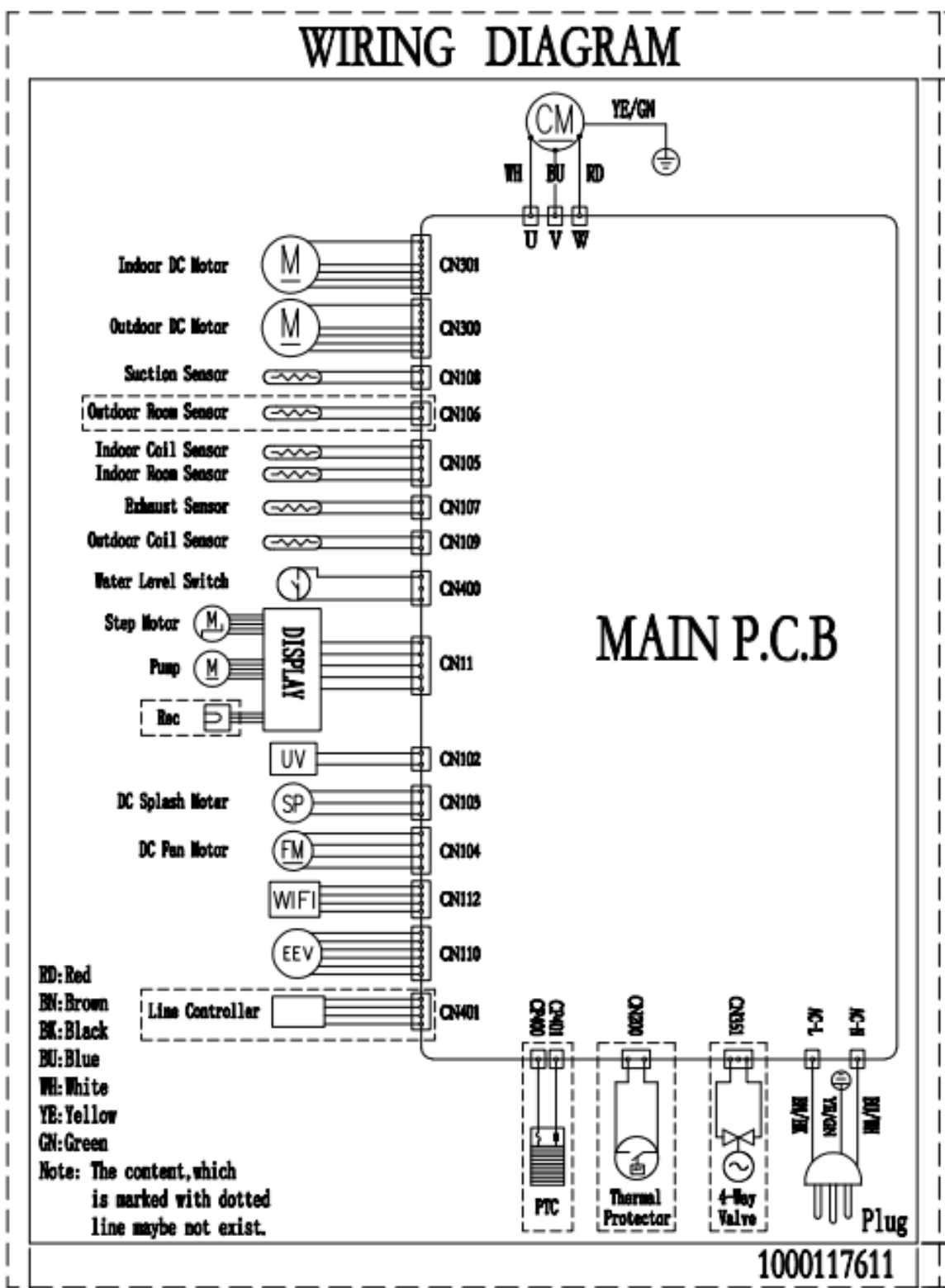
Troubles	Error code
Compressor IPM error	F1
PFC/IPM error	F2
Compressor start error	F3
Compressor running out of step	F4
Location detection loop failure	F5
Phase current overcurrent protection	FA
Dc bus voltage Undervoltage protection	P2
Communication error(indoor and outdoor)	E4
PCB communication error	F6
AC Input voltage protection	P3
AC over-current protection	P4
AC undervoltage protection	P5
Coil sensor error(outdoor)	F7
Sensor on suction pipe error	F8
Sensor on discharge pipe error	E0
Temperature sensor error(outdoor)	E6
Fan motor error(outdoor)	E7
EE error(outdoor)	FE
Return air sensor temperature abnormal protection	PA
Over-heat protection on top of compressor	P1
Abnormal refrigerant circulation	PE
Exhaust temperature protection	PH
Coil tube overload protection(outdoor)	PC
DC fan Feedback failure(indoor)	E3
Coil tube overload protection(indoor)	P6
Defrost protection on coil tube(indoor)	P7
Sensor error on indoor coil tube	E2
Temperature sensor error(indoor)	E1
Zero-crossing fault detection(indoor)	P8
EE error(indoor)	EE
Water-splash motor error	E5
Fan feedback fault	E8
Water-full protection	FL



Attention:

When heating light flashes, it means the unit is in defrost mode, it is normal status.

Section 5:Electrical wiring diagram (Cooling & heating, with PTC)



NOTE CONCERNING PROTECTION OF ENVIRONMENT



This product must not be disposed of via normal household waste after its service life, but must be taken to a collection station for the recycling of electrical and electronic devices. The symbol on the product, the operating instructions or the packaging indicate such disposal procedures. The materials are recyclable in accordance with their respective symbols. By means of re-use, material recycling or any other form of recycling old appliances you are making an important contribution to the protection of our environment. Please ask your local council where your nearest disposal station is located.

INFORMATION CONCERNING USED REFRIGERANT MEDIUM

This unit is containing fluorinated gases included in the Kyoto protocol.
The maintenance and the liquidation must be carried out by qualified personnel.

Type of refrigerant: R32

The quantity of the refrigerant: Please see the unit label.

The value GWP: 675 (1 kg R32 = 0,675 t CO₂ eq)

GWP = Global Warming Potential



Appliance filled with flammable gas R32.

In case of quality problem or other please contact your local supplier or authorized service center.

Emergency number: 112

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