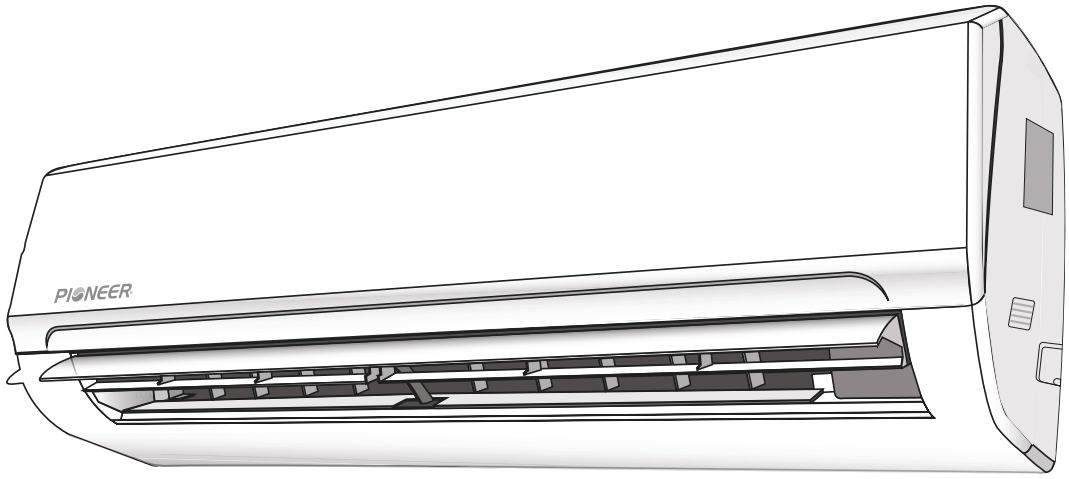
DUCTLESS MINI SPLIT SYSTEM AIR CONDITIONER / HEAT PUMP

PIONEER®

WYT-20S Inverter Series

For 9,000-36,000 BTU/hr Systems

Diamante Pro (R-454B) - WT Indoor and YN Outdoor



Disassembly Manual

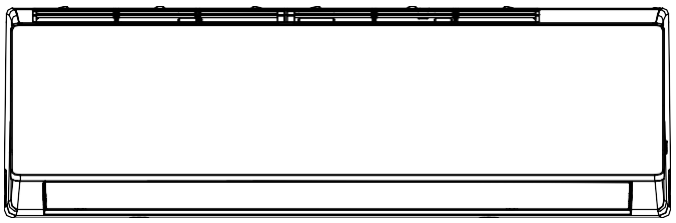
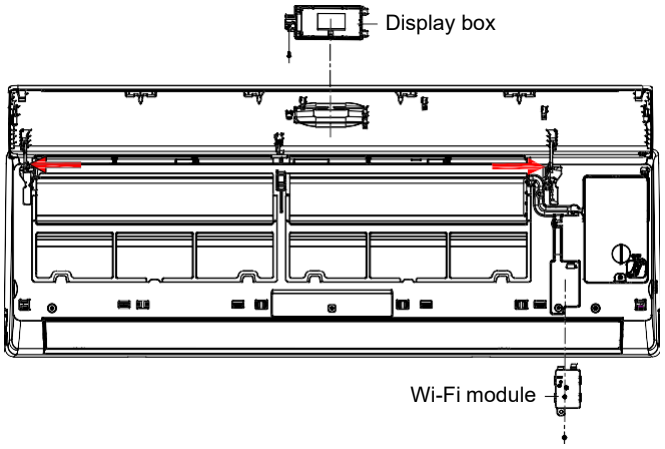
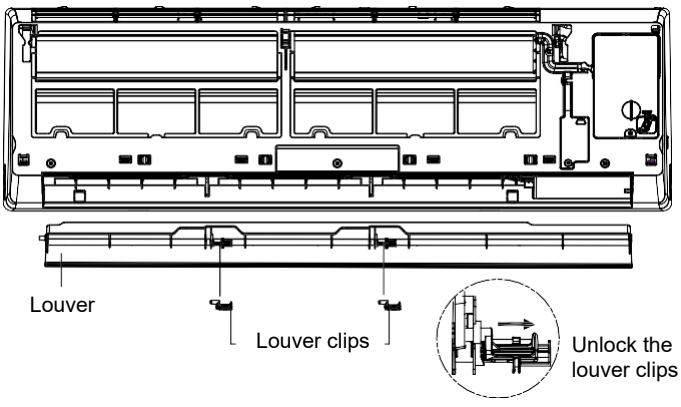
Model Numbers

Note

The serial number is located behind the electric control box cover on each unit.

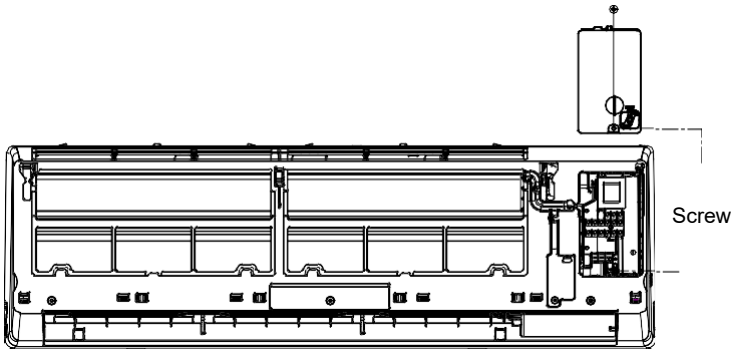
Model	Full System	Indoor Unit	Outdoor Unit
9K 110~120V	WYT009ALSI20RL	WT009ALSI20HLF	YN009ALSI20RPF
9K 208~230V	WYT009GLSI20RL	WT009GLSI20HLF	YN009GLSI20RPF
12K 110~120V	WYT012ALSI20RL	WT012ALSI20HLF	YN012ALSI20RPF
12K 208~230V	WYT012GLSI20RL	WT012GLSI20HLF	YN012GLSI20RPF
18K	WYT018GLSI20RL	WT018GLSI20HLF	YN018GLSI20RPF
24K	WYT024GLSI20RL	WT024GLSI20HLF	YN024GLSI20RPF
31.5K	WYT030GLSI20RL	WT030GLSI20HLF	YN030GLSI20RPF
36K	WYT036GLSI20RL	WT036GLSI20HLF	YN036GLSI20RPF

Indoor Unit Disassembly

Steps	Reference Photo
Before disassembly	
1. Remove the Front Panel, Display Board, and Wi-Fi Module	
A. Open the front panel. B. Remove the screw that secures the display box, and then remove the display box from the panel. C. Release the panel hinge (indicated by the red arrows) from the middle frame, then remove the panel. D. Remove the screws that secure the Wi-Fi module, and then remove the module from the middle frame.	
2. Remove the Louver	
A. Release the louver clips. B. Gently bend the louver by hand, and then detach it from the middle frame and the stepper motor.	

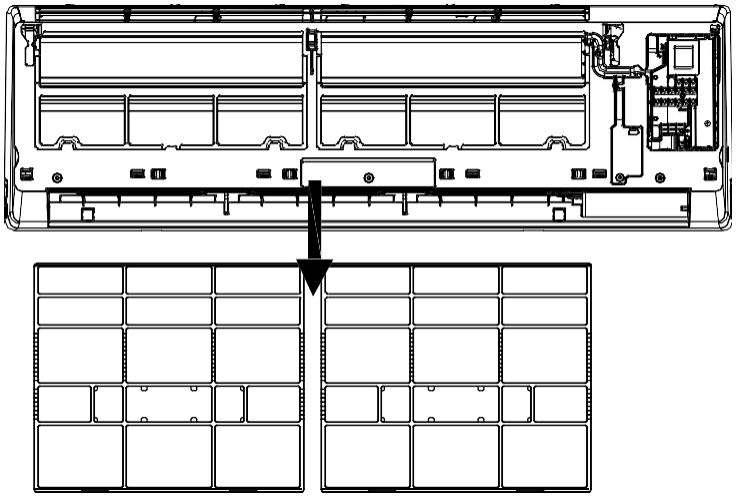
3. Remove the Electric Control Box Cover

A. Remove the screw that secures the electric control box cover, and then remove the cover.



4. Remove the Filter

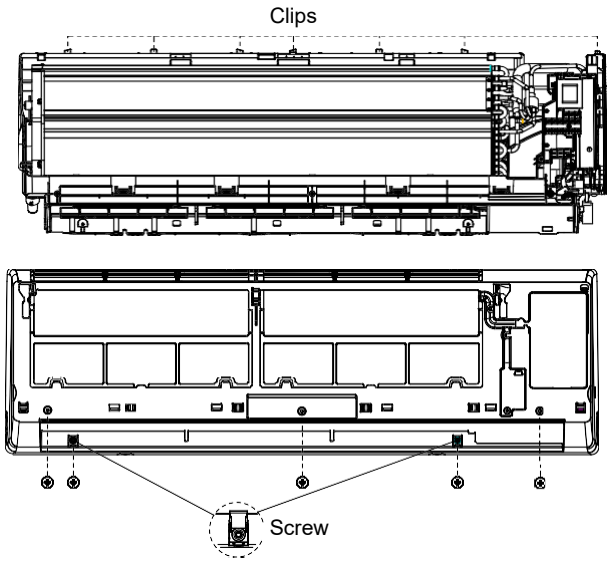
A. Push the filter up slightly, and then pull it out of the unit.



5. Remove the Middle Frame

A. Open the screw cover and remove the screw with a Phillips screwdriver.

B. Release the clips on the unit base (as shown in the image), and then lift out the middle frame.



6. Remove the Electric Control Box

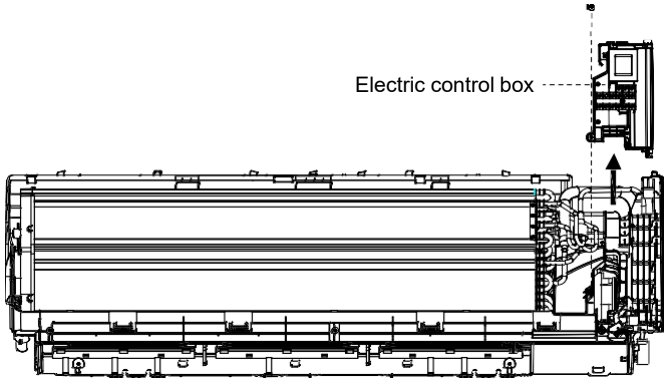
A. Remove the RT and IPT sensors from the evaporator.

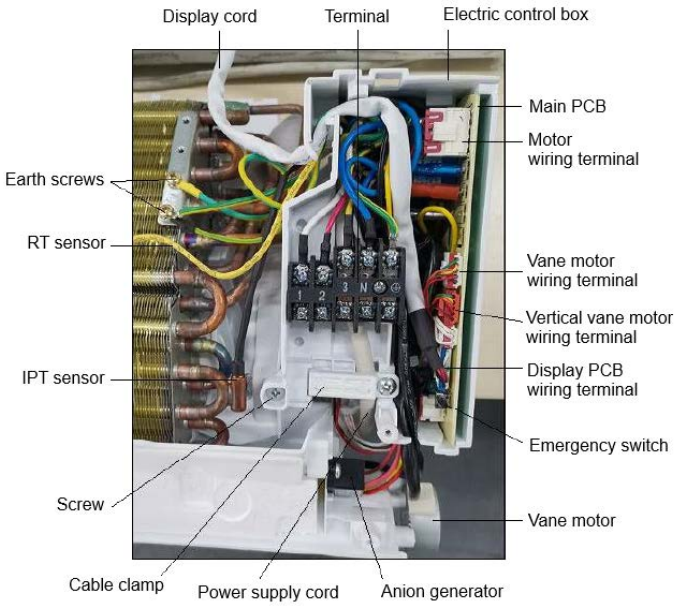
B. Disconnect all the ground wires from the evaporator.

C. Disconnect all the connectors from the PCB.

D. Remove the screw that secures the electric control box to the unit base, and then remove the electric control box.

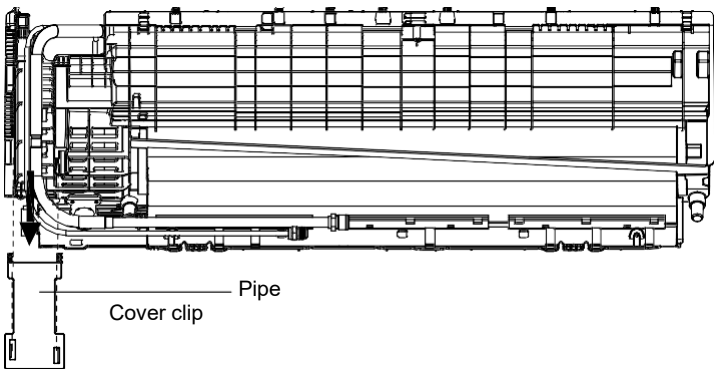
Note: The image on the right is for reference only. The wiring on your model may differ slightly.





7. Remove the Pipe Cover

A. Release the lower edge of the pipe cover from the unit base, and then remove the cover from the unit.

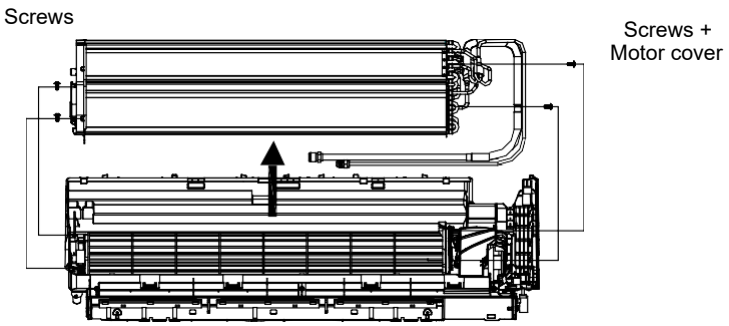


8. Remove the Evaporator

A. Remove the two screws on the left side (as shown in the image).

B. Remove the two screws that secure the motor cover to the right support plate.

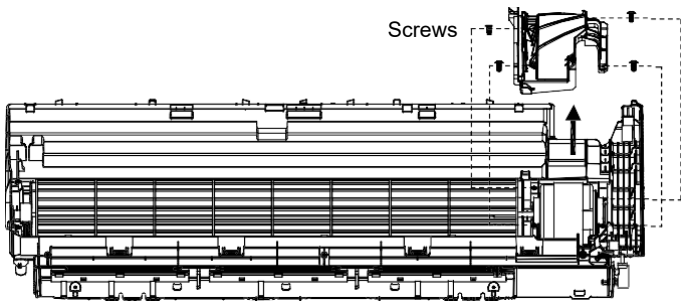
C. Lift the inlet and outlet pipes slightly, and then pull the evaporator out of the unit.



9. Remove the Motor Cover

A. Remove the four screws that secure the motor cover to the unit base.

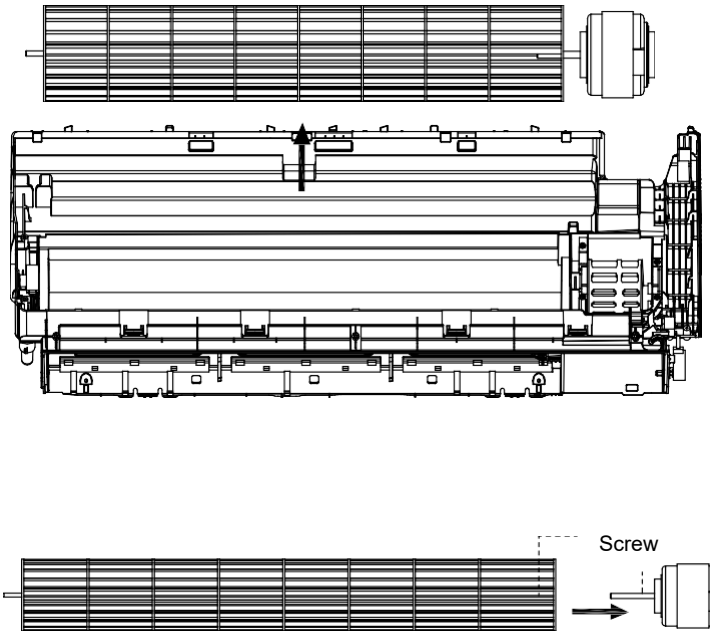
B. Remove the motor cover from the unit base.



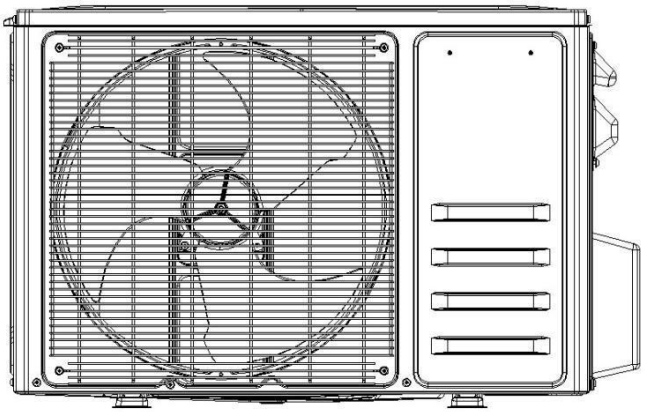
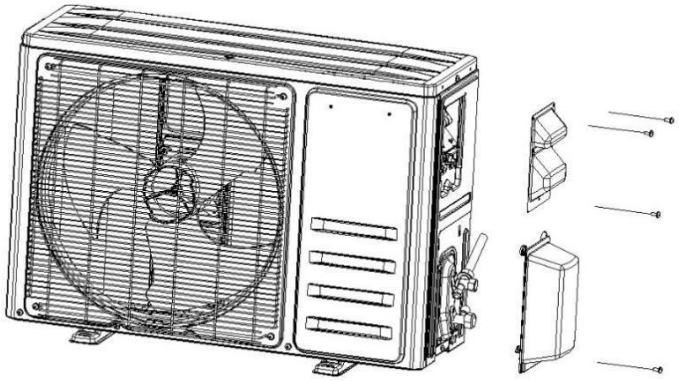
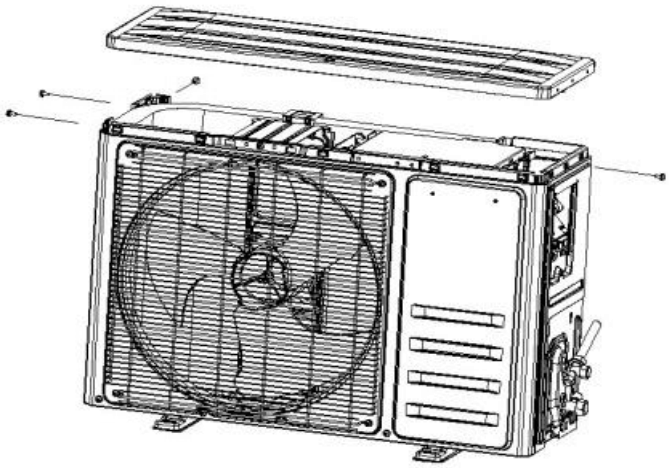
10. Separate the Fan Motor and Fan Blade

A. Lift the fan blade and fan motor out of the unit base.

B. Remove the screw that secures the fan blade to the motor shaft, and then separate the fan blade from the fan motor.



Outdoor Unit Disassembly

Steps	Reference Photo
Before disassembly	
1. Remove the PCB Cover, Valve Cover, and Top Cover	
A. Remove the screw that secures the PCB cover, and then remove the cover from the unit (see image 1A). B. Remove the screw that secures the valve cover, and then remove the cover from the unit (see image 1A). C. Remove the screws that secure the top cover to the top, left, and right sides of the unit, and then remove the top cover (see image 1B).	**Image 1A:**  **Image 1B:** 

2. Remove the Fan Guard and Front Panel

A. Remove the screws that secure the front grille to the front panel, and then remove the front grille (see image 2A).

B. Remove the screws around the fan guard on the front panel (see image 2B).

C. Separate the middle plate from the base plate. Lift the front panel, and then pull it out of the unit (see image 2B).

Image 2A:

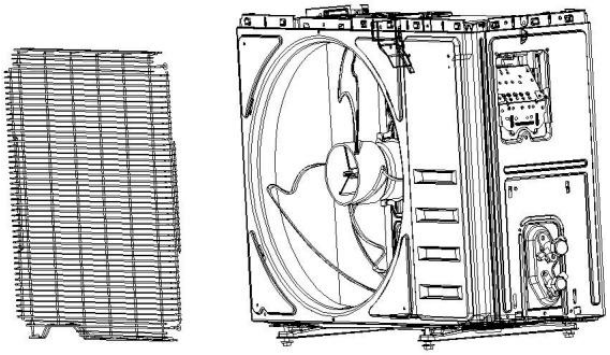
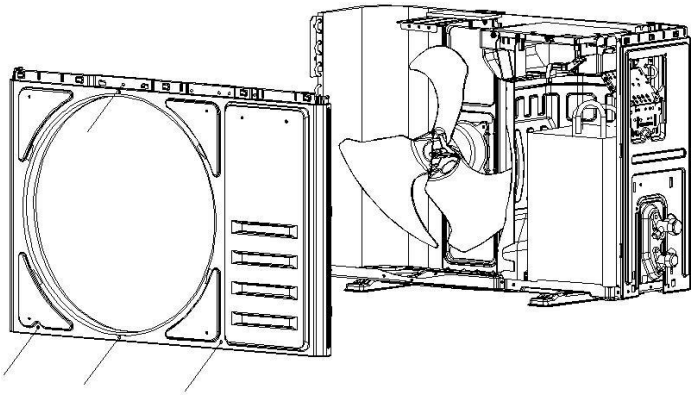


Image 2B:



3. Remove the Left and Right Plate

A. Remove the screws that secure the right plate to the electric control box, valve plate, and base plate, and then remove the right plate (see image 3A).

B. Remove the screws that secure the left plate to the base plate and condenser plate, and then remove the left plate (see image 3B).

Image 3A:

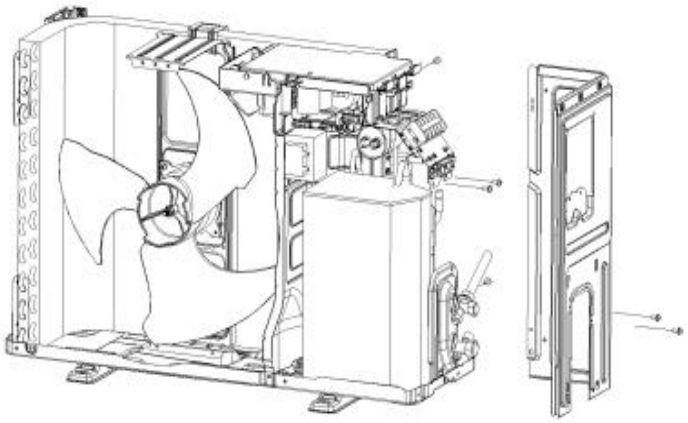
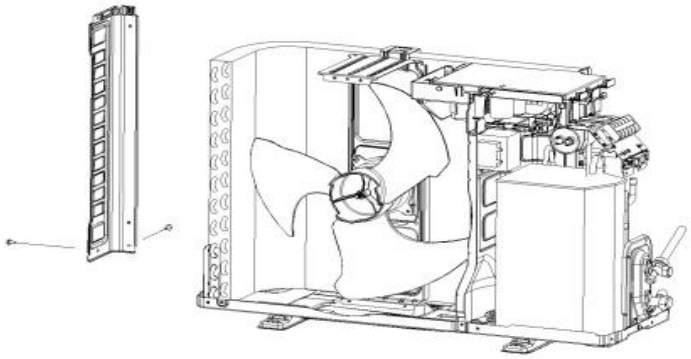
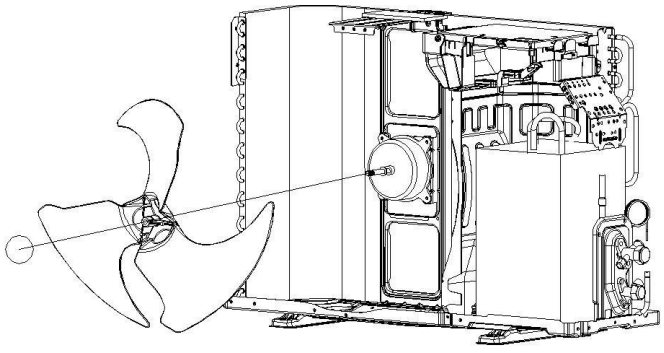


Image 3B:



4. Remove the Fan Blade

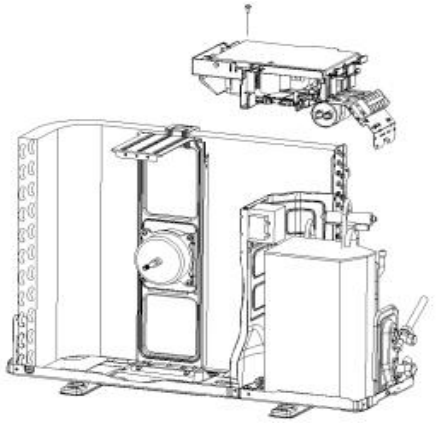
A. Unscrew the fan blade nut, and then remove the fan blade.



5. Remove the Electric Control Box

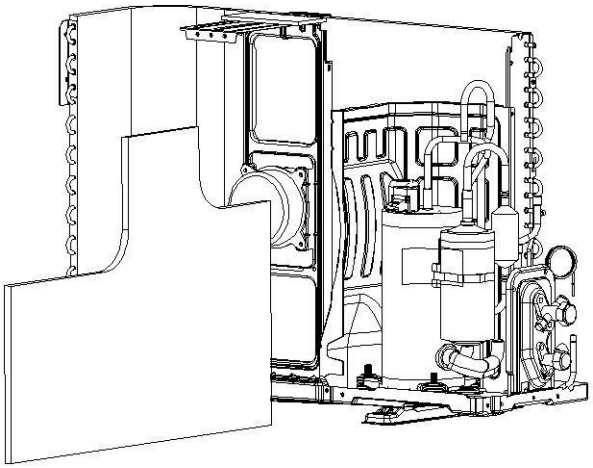
A. Remove the screws that secure the electric control box to the motor bracket.

B. Loosen the wire clamp, and then remove the electric control box.



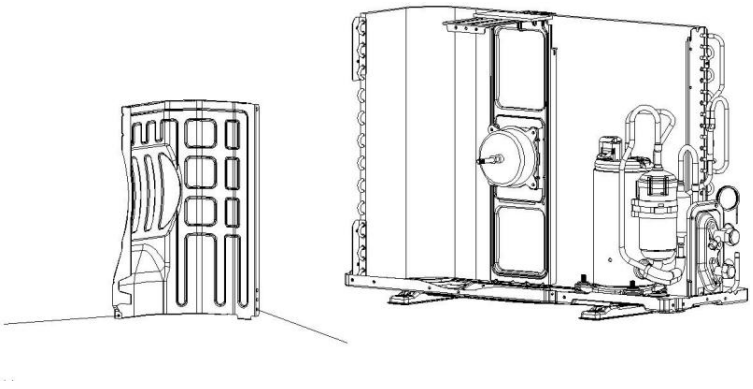
6. Remove the Noise Cotton

A. Remove the noise cotton.



7. Remove the Partition Plate

A. Remove the screw that secures the partition plate to the unit, and then remove the partition plate.



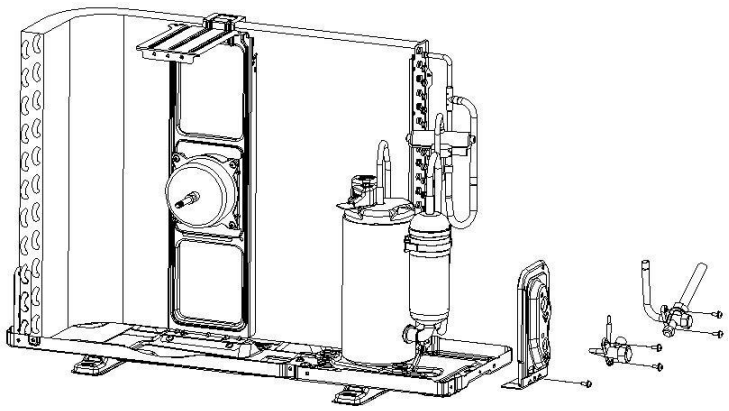
8. Remove the 2-Way and 3-Way Valve

A. Remove the screws that secure the 2-way and 3-way valves to the valve plate and base plate.

B. Unbraze the 2-way and 3-way valves, and then remove the valves.

Notes:

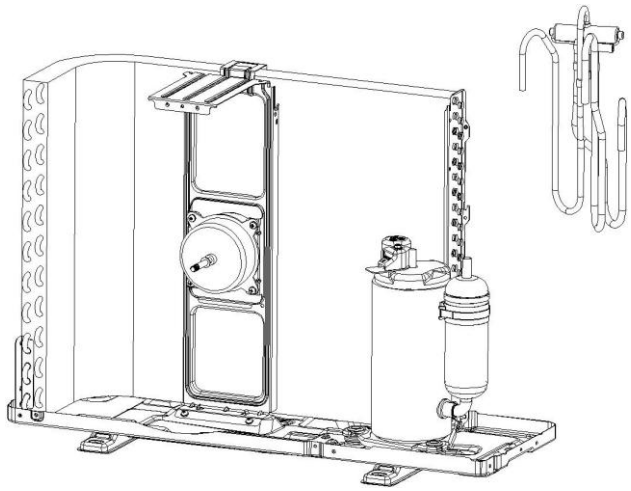
- Recover all refrigerant from the unit before brazing or unbrazing.
- Use caution when working with an open flame to prevent fire and injury.



9. Remove the 4-Way Valve Assembly

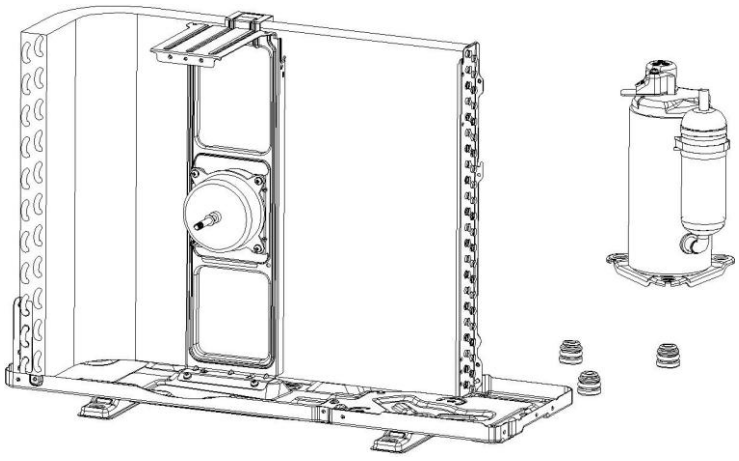
A. Unbraze the 4-way valve, and then remove it from the unit.

Note: Do not let the torch flame damage the compressor, nameplate, or other nearby components.



10. Remove the Compressor

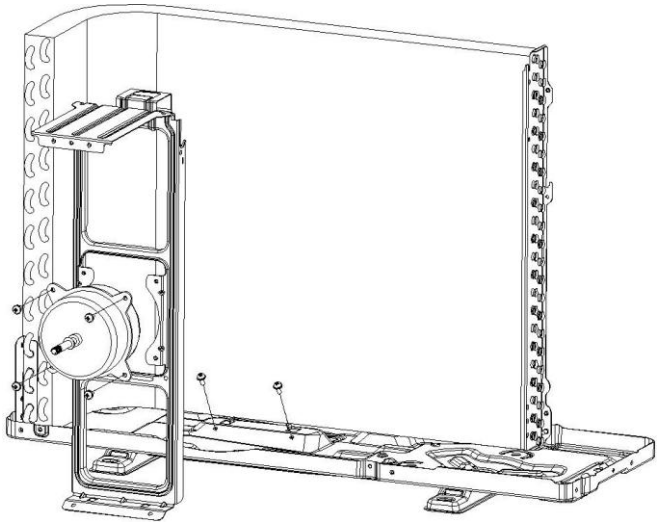
A. Unscrew the compressor mounting nuts, and then remove the compressor.



11. Remove the Fan Motor and Fan Supporter

A. Remove the screws that secure the motor bracket to the base plate, and then remove the motor bracket and fan motor together.

Note: Do not pull on the motor wiring when removing the fan motor.



The design and specifications of this product are subject to change without prior notice as development continues. Consult with the sales agency or manufacturer for details. Refer to the equipment nameplate for all other applicable specifications.

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