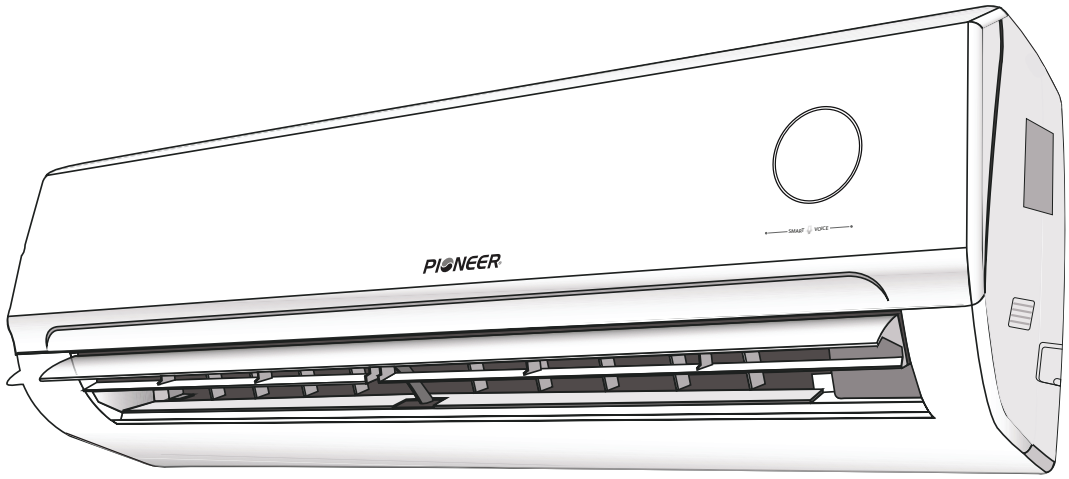
DUCTLESS MINI SPLIT SYSTEM AIR CONDITIONER / HEAT PUMP

PIONEER®

WYT-FA Inverter Series

For 12,000 BTU/hr Systems

Quantum Fresh (R-32) - WT Indoor and YN Outdoor



Disassembly Manual

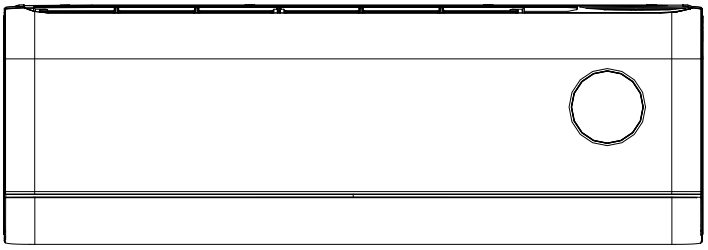
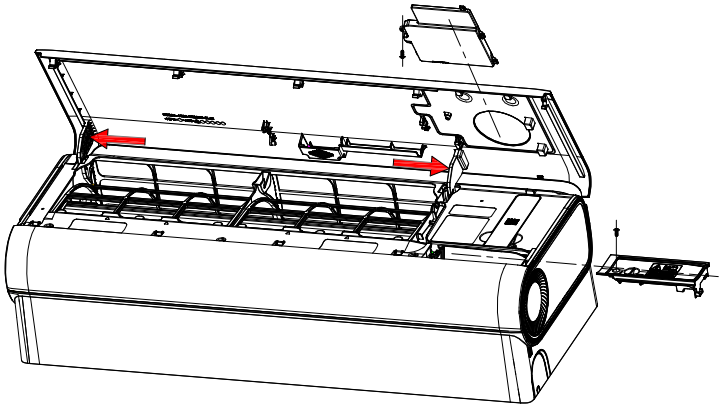
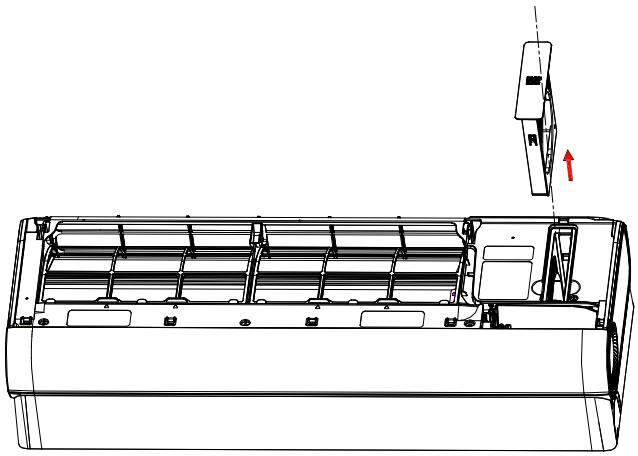
Model Numbers

Note

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

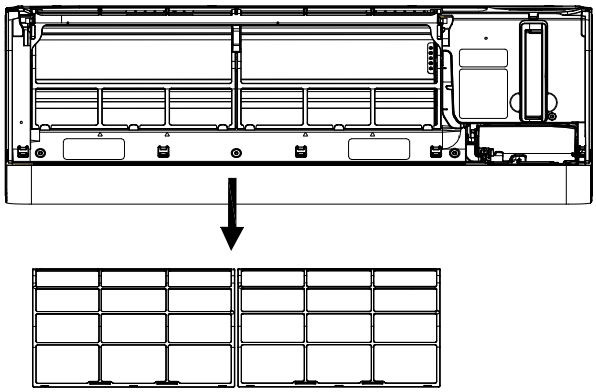
Model	Full System	Indoor Unit	Outdoor Unit
12K	WYT012GLUI25FV	WT012GLUI25FVQ	YN012GLUI25RPQ

Indoor Unit Disassembly

Steps	Reference Photo
Before disassembly	
1. Remove the Front Panel, Electric Control Box Cover, and Display Board	
A. Open the front panel. B. Remove the screw that secures the electric control box cover, and then remove the cover. C. Remove the screw that secures the display board, and then remove the display board. D. Gently release the front panel from its hinges, and then remove the front panel from the unit.	
2. Remove the Purification Filter	
A. Remove the purification filter from the unit in the direction shown in the image.	

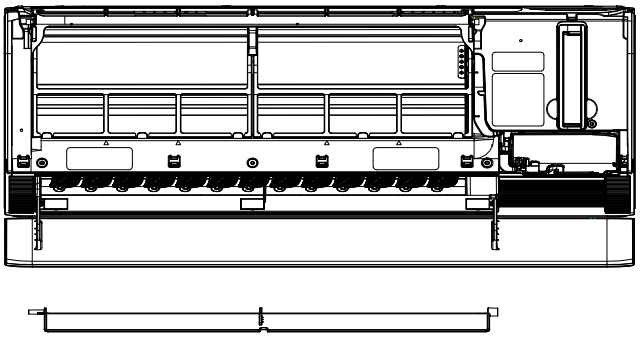
3. Remove the Filter

A. Press the two release buttons on the filter, and then remove the filter from the unit in the direction shown in the image.



4. Remove the Small Vane

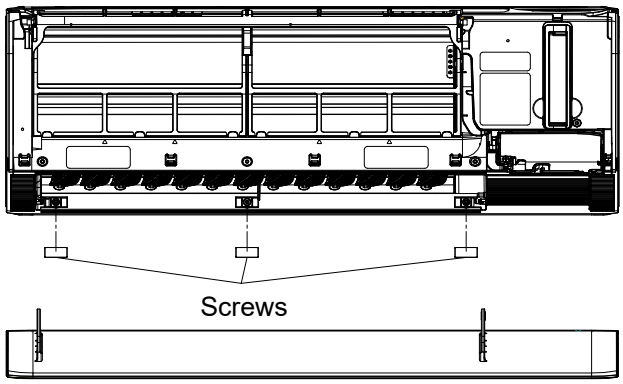
A. Open the large vane fully, and then remove the small vane.



5. Remove the Screw Covers and Large Vane

A. Remove the three screw covers, and then remove the three screws.

B. Remove the large vane.



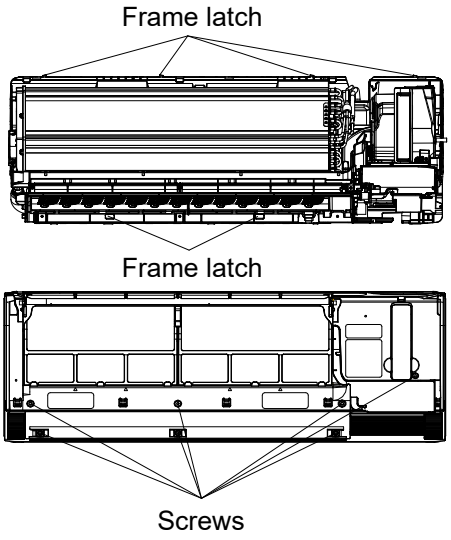
6. Remove the Middle Frame

A. Remove the seven screws that secure the middle frame.

B. Lift the middle frame in the direction shown in the image to release the first latch. There are four latches in total.

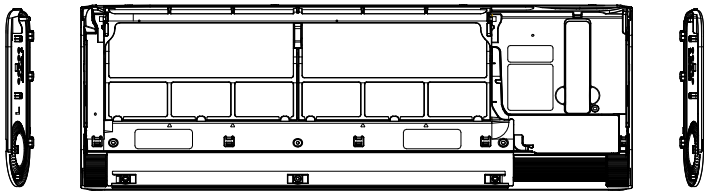
C. Hold the middle frame with both hands and lift it slightly to release the second latch.

D. Remove the middle frame from the unit.



7. Remove the Side Plates

A. Remove the side plates from the frame.

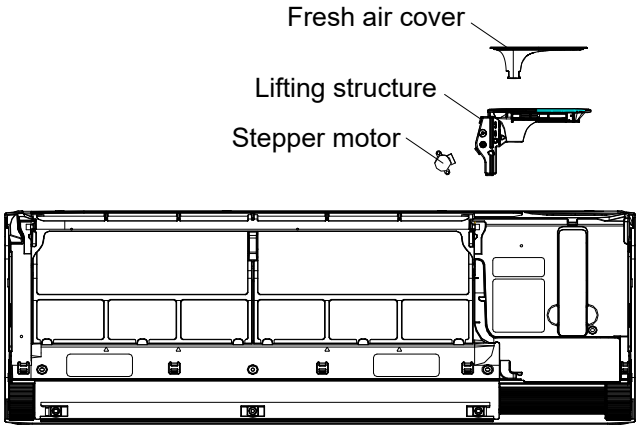


8. Remove the Lifting Assembly and Stepper Motor

A. Remove the screw that secures the lifting assembly.

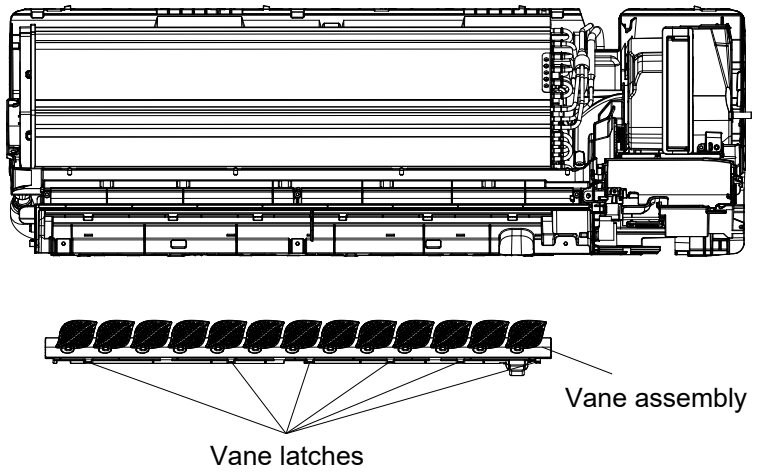
B. Release the three latches that secure the lifting assembly to the middle frame, and then remove the lifting assembly.

C. Remove the screw that secures the stepper motor to the lifting assembly, and then remove the stepper motor.



9. Remove the Vane Assembly

A. Release the six latches that secure the vane assembly, and then remove the vane assembly from the unit.

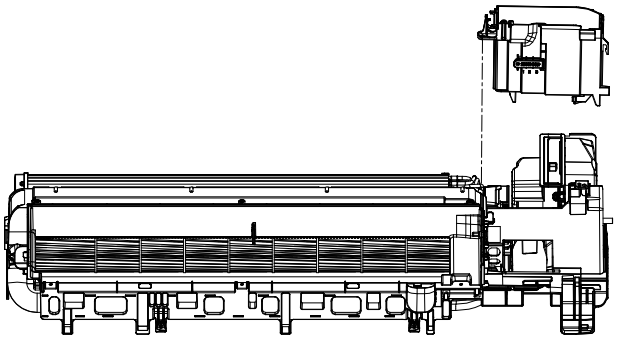


10. Remove the Electric Control Box

A. Remove the screws that secure the electric control box to the unit base.

B. Remove the ground screw from the evaporator, and then remove the pipe temperature sensor.

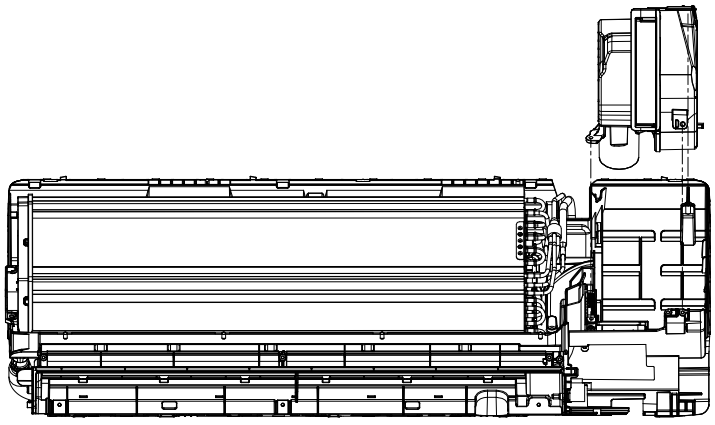
C. Remove the electric control box from the unit.



11. Remove the Air-Fresh Module

A. Remove the three screws that secure the Air-Fresh module to the unit base.

B. Remove the Air-Fresh module.

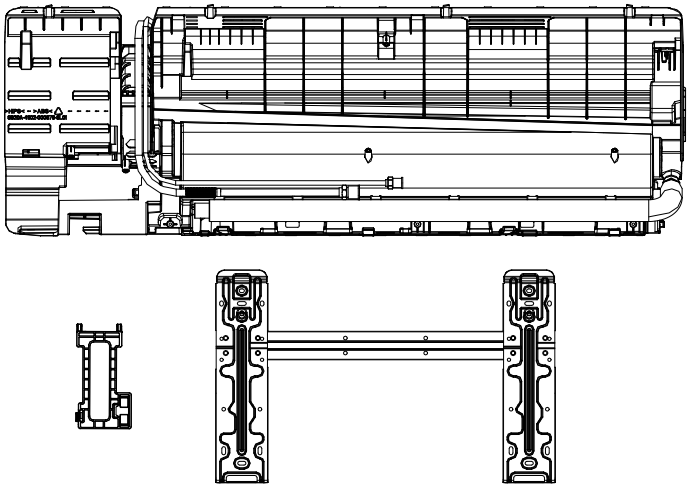


12. Remove the Installation Plate and Pipe Clamp

A. Remove the screws that secure the installation plate to the unit base.

B. Release the latches that secure the installation plate to the unit base, and then remove the installation plate.

C. Lift the grip tab slightly, and then remove the pipe clamp.

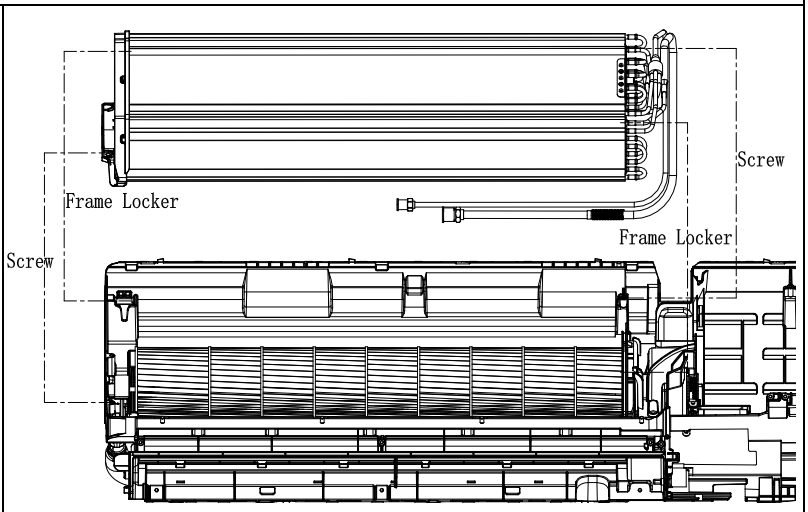


13. Remove the Evaporator

A. Remove the two screws on the left side of the evaporator, and then remove the screw on the right side.

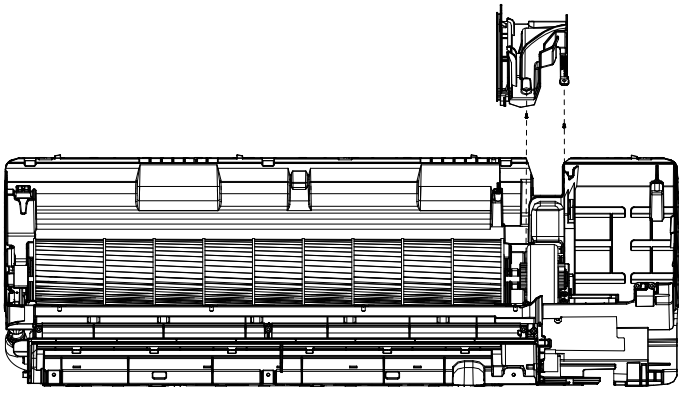
B. Release the latch on the left side of the evaporator, and then lift the left side.

C. While holding the left side up, release the latch on the right side, and then remove the evaporator.



14. Remove the Motor Cover

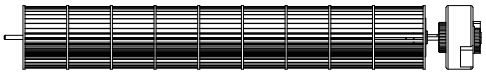
A. Remove the two screws that secure the motor cover to the unit base, and then remove the motor cover.

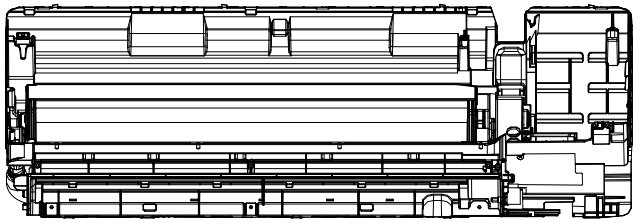


15. Remove the Cross-Flow Fan and Fan Motor

A. Lift the cross-flow fan and fan motor, and then move them to the right to slide the fan shaft out of the bearing.

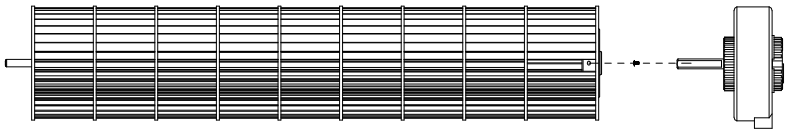
B. Remove the cross-flow fan and fan motor from the unit.



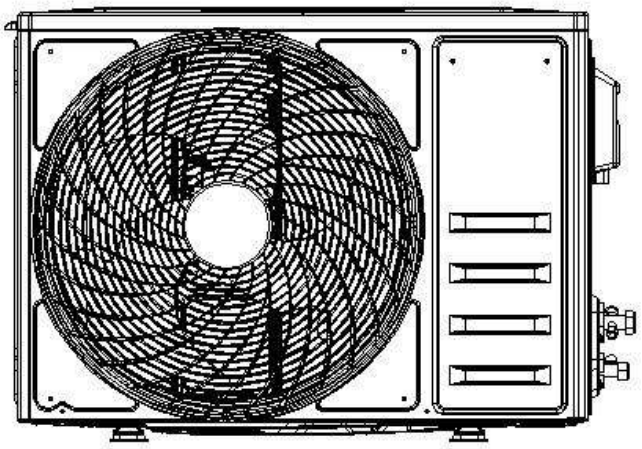
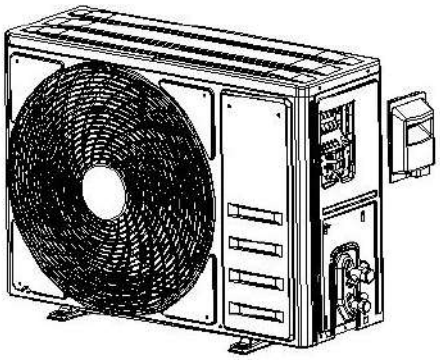
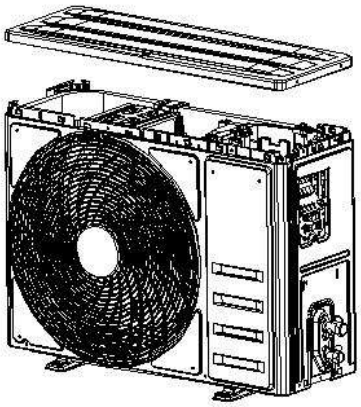


16. Separate the Cross-Flow Fan and Fan Motor

A. Remove the screw that secures the cross-flow fan to the fan motor, and then separate the cross-flow fan from the fan motor.



Outdoor Unit Disassembly

Steps	Reference Photo
Before disassembly	
1. Remove the Handle and Top Cover	
A. Remove the screw that secures the handle to the right panel, and then remove the handle (see image 1A). B. Remove the screws from the top cover, front panel, left panel, and right panel (see image 1B). C. Remove the top cover (see image 1B).	**Image 1A:**  **Image 1B:** 

2. Remove the Front Grille and Front Panel

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

B. Turn the front grille counterclockwise to remove it from the unit (see image 2A).

C. Remove the screws that secure the middle plate to the base plate (see image 2B).

D. Remove the front panel from the unit (see image 2B).

Image 2A:

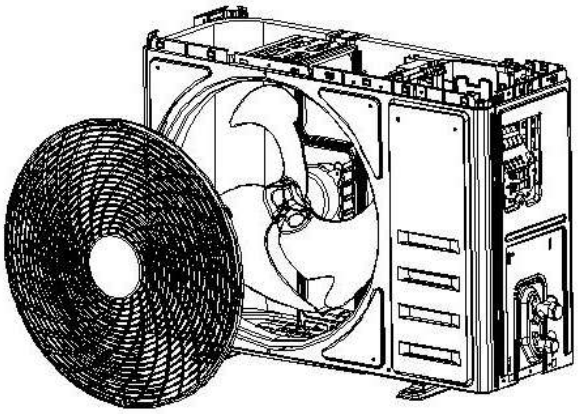
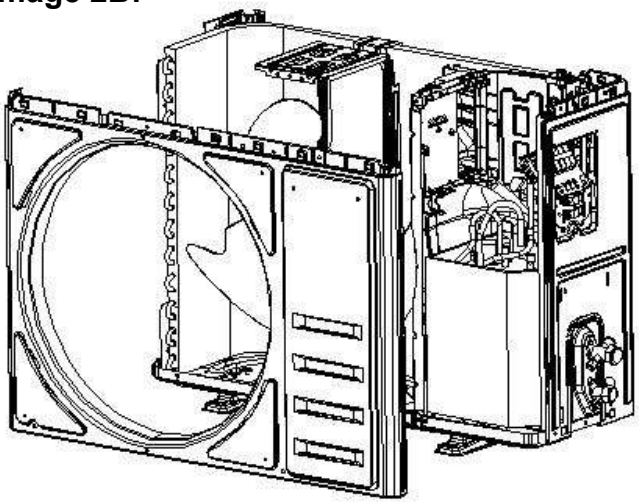


Image 2B:



3. Remove the Right and Left Plate

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

B. Remove the right plate (see image 3A).

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

D. Remove the left plate (see image 3B).

Image 3A:

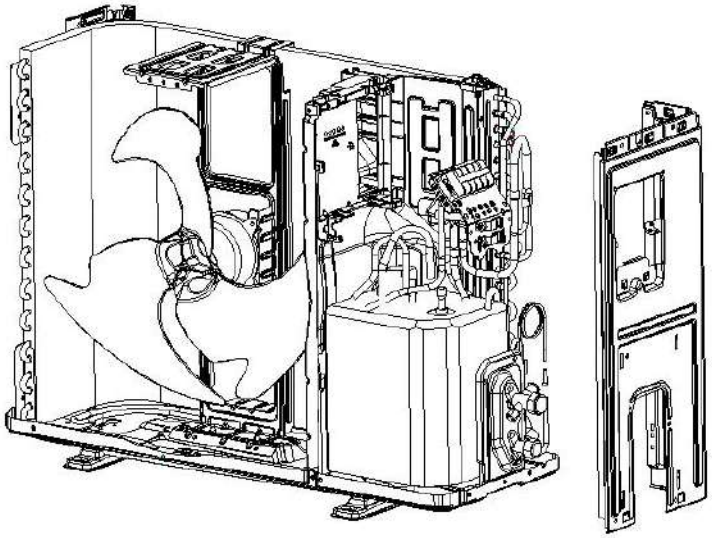
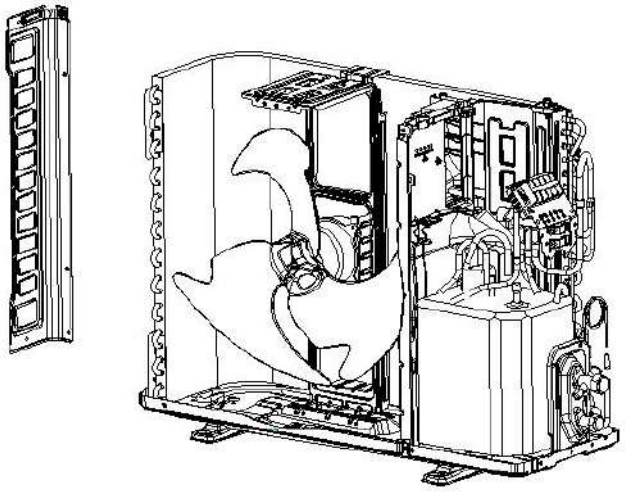
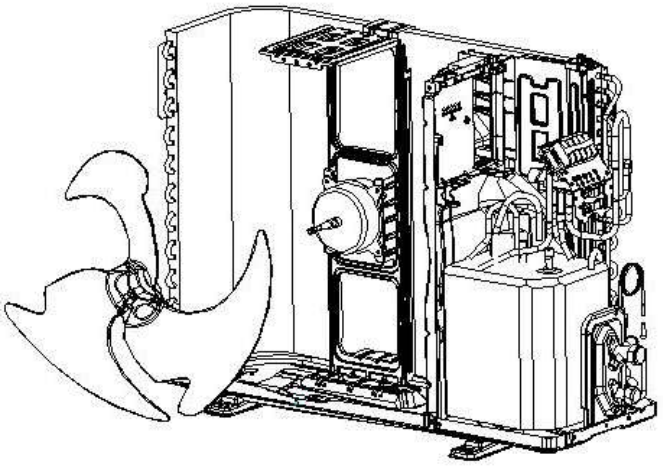


Image 3B:



4. Remove the Fan Blade

A. Remove the fan blade nut, and then remove the fan blade from the fan motor.



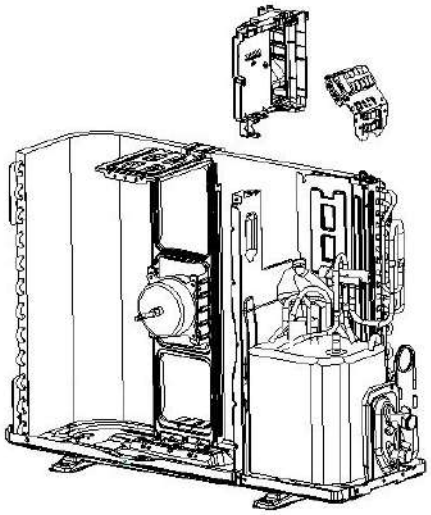
5. Remove the Electric Control Box

A. Disconnect the fan motor and temperature sensor wires from the PCB.

B. Disconnect the compressor wires from the connector.

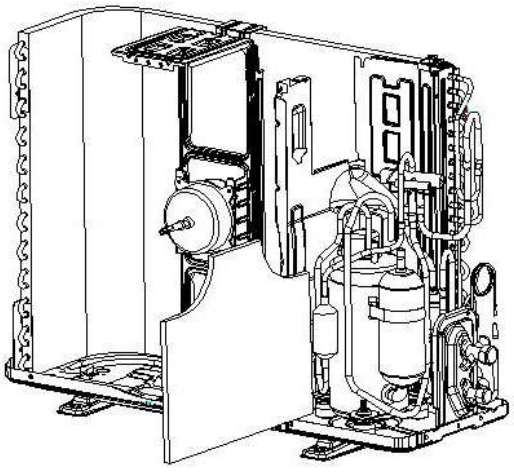
C. Remove the screw that secures the electric control box to the partition plate.

D. Remove the electric control box from the unit.



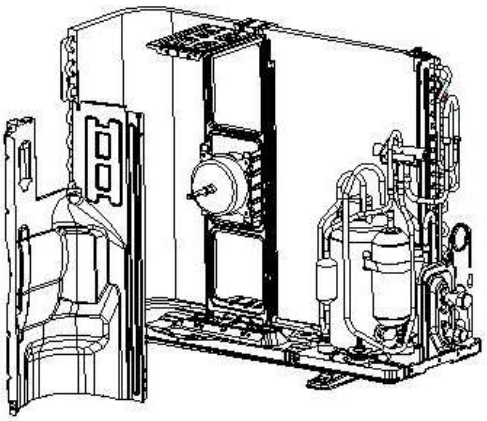
6. Remove the Noise Cotton

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.



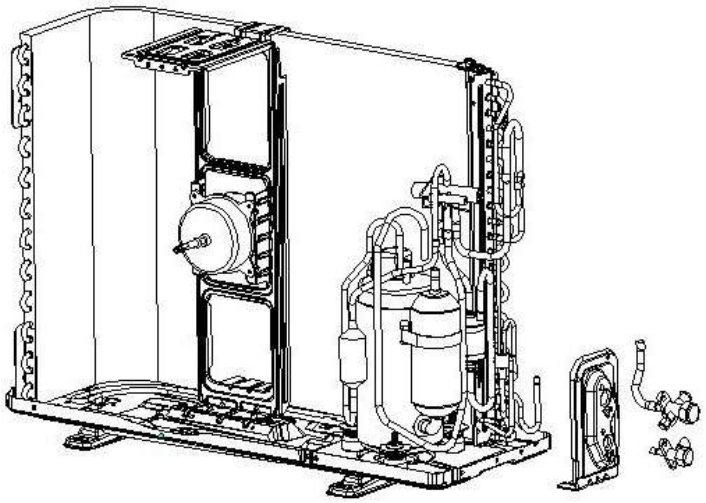
8. Remove the Gas and Liquid Valves

A. Remove the screws that secure the valve support plate to the unit.

B. Unbraze the pipe connections, and then remove the gas and liquid valves from the unit.

Notes:

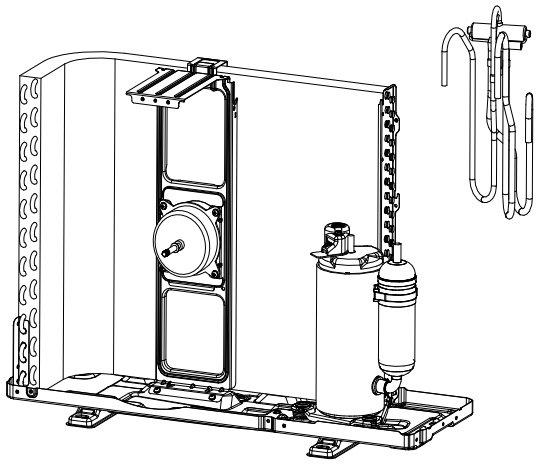
- Recover all refrigerant from the unit before brazing or unbrazing.
- Use wet cloths to protect the gas and liquid valves from heat damage.



9. Remove the 4-Way Valve Assembly

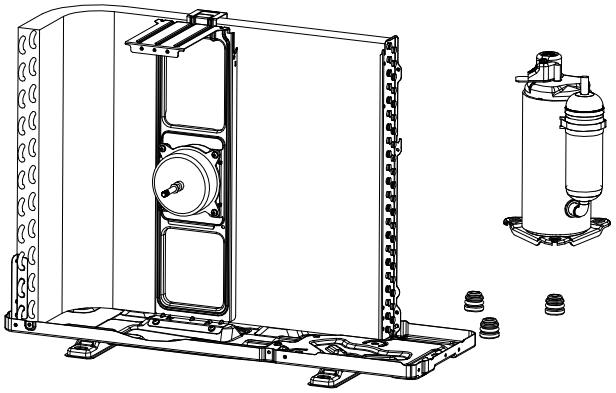
A. Unbraze the 4-way valve from the compressor suction and discharge ports, and then remove the valve from the system.

Note: Ensure that there is no damage to the compressor, nameplate, etc.



10. Remove the Compressor

A. Remove the nuts that secure the compressor to the base plate, and then remove the compressor from the unit.

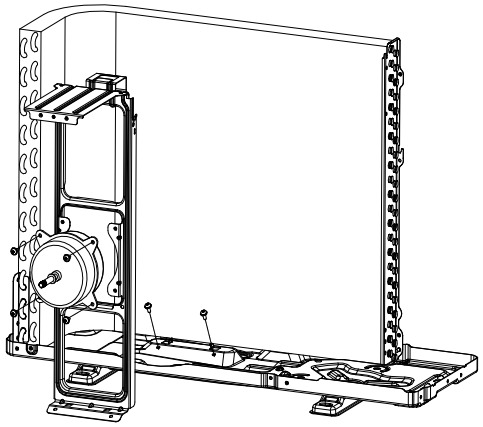


11. Remove the Fan Motor and Fan Support

A. Remove the screws that secure the fan support to the base plate, and then remove the fan support from the unit.

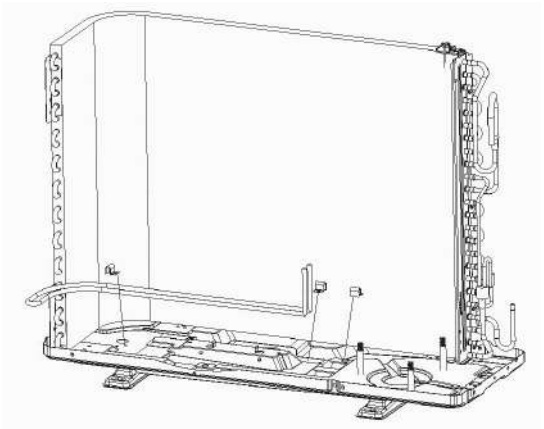
B. Loosen the metal cable clamps on the back of the fan support.

C. Remove the screws that secure the fan motor to the fan support, and then remove the fan motor.



12. Remove the Chassis Heating Element

A. Remove the screws that secure the heater retaining clip to the chassis heating element, and then remove the chassis heating element.



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.

PIONEER®

is a registered trademark of Parker Davis HVAC International, LLC.

Parker Davis HVAC International
7290 NW 77 Court, Miami, FL 33166 - USA
Tel : (305) 513-4488
Fax : (305) 513-4499
E-mail : info@pdhvac.com
Website: www.pdhvac.com

Pioneer product line, parts, and supplies are available online for convenient ordering at:
www.highseer.com
www.pioneerminisplit.com

Scan the below code to visit our support page where you can find more installation materials:

SCAN ME

Copyright © Parker Davis HVAC International, LLC. All rights reserved.