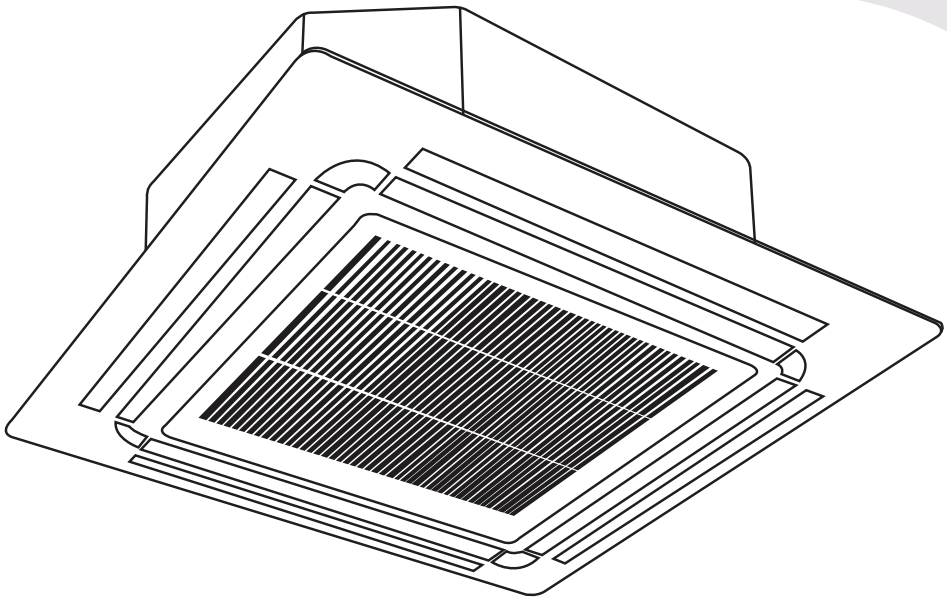
DUCTLESS MINI SPLIT SYSTEM AIR CONDITIONER / HEAT PUMP

PIONEER®

CYT-24 Inverter Series

For 9,500-23,000 BTU/hr Systems

Quantum Ultra (R-454B) - CT Indoor and YN Outdoor



Disassembly Manual

Note

Intended for use with Single-Zone Split Systems. If the indoor sections will be installed as part of a Multi-Zone System, refer to the supplemental instructions provided with the Multi-Zone Outdoor Unit for complete and accurate guidance. Certain specifications—such as minimum floor area requirements—may differ, and are outlined in more detail within the Multi-Zone Section documentation.

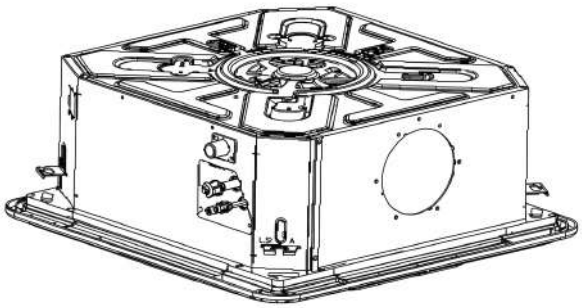
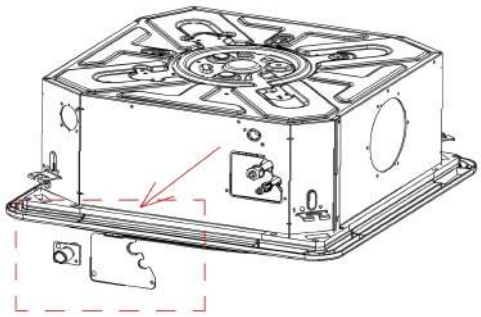
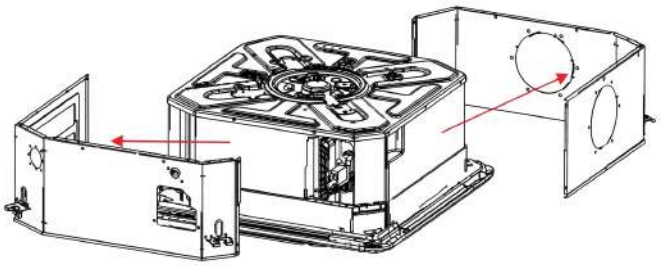
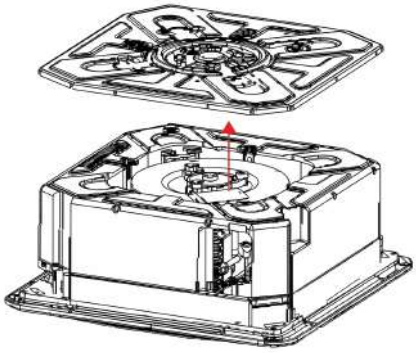
Model Numbers

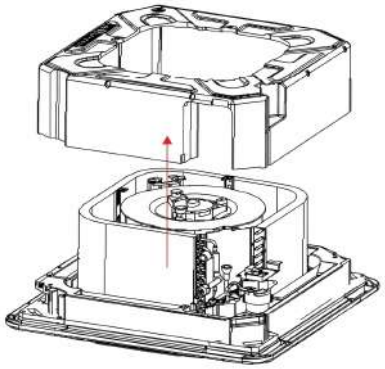
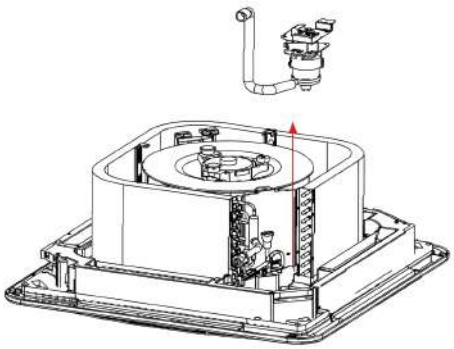
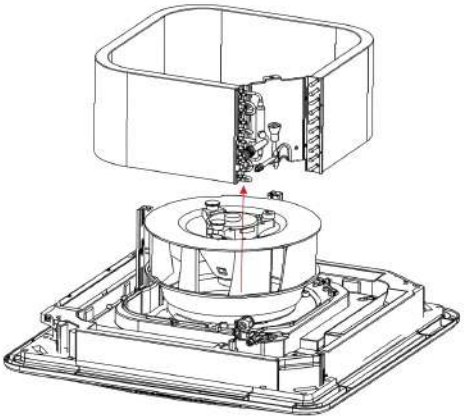
Note

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

Model	Full System	Indoor Unit	Outdoor Unit
9.5K	CYT009GLSI24RL	CT009GLSILCFHG	YN009GLSI24RPG
12K	CYT012GLSI24RL	CT012GLSILCFHG	YN012GLSI24RPG
16K	CYT018GLSI24RL	CT018GLSILCFHG	YN018GLSI24RPG
23K	CYT024GLSI24RL	CT024GLSILCFHG	YN024GLSI24RPG

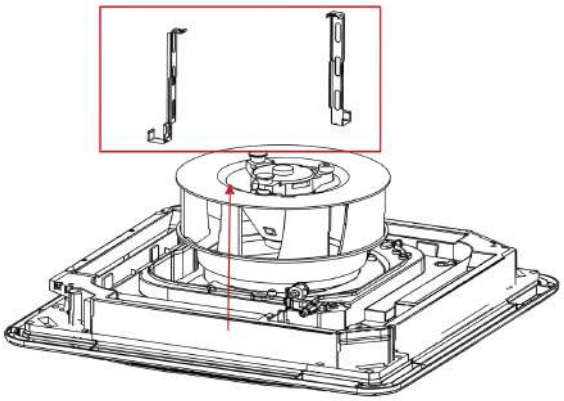
Indoor Unit Disassembly

Steps	Reference Photo
Before disassembly	
1. Remove the Seal Plate and Drain Spout	
A. Remove the screws that secure the seal plate and drain spout, then remove both parts.	
2. Remove the Front and Rear Panel Assemblies	
A. Remove the screws and release the hooks that secure the base plate to the front and rear panel assemblies. B. Remove the front and rear panel assemblies from the unit.	
3. Remove the Base Foam, Evaporator Mounting Plate, and Base Assembly	
A. Remove the screws that secure the base foam, evaporator mounting plate, and base assembly. B. Remove the base foam, evaporator mounting plate, and base assembly.	

4. Remove the Base Foam Assembly	
A. Remove the base foam assembly.	
5. Remove the Water Pump Assembly	
A. Disconnect the water pump assembly, then pull it out in the direction of the arrow.	
6. Remove the Evaporator Assembly	
A. Disconnect the evaporator assembly, then pull it out in the direction of the arrow.	

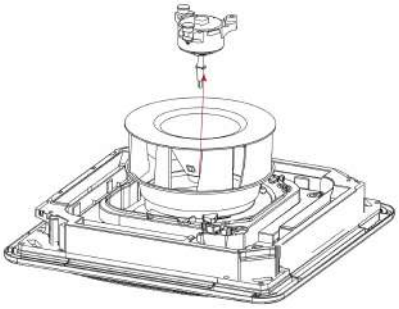
7. Remove the Evaporator Mounting Plates

A. Remove the evaporator mounting plates in the direction of the arrow.



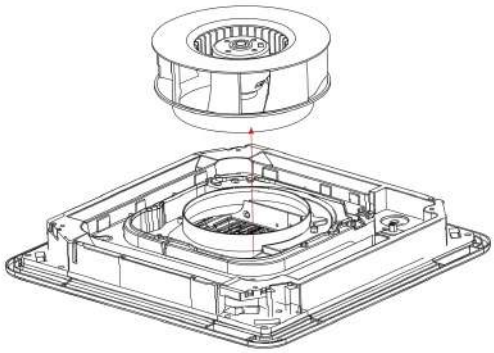
8. Remove the DC Fan Motor

A. Remove the DC fan motor in the direction of the arrow.



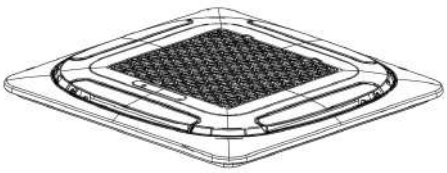
9. Remove the Centrifugal Fan

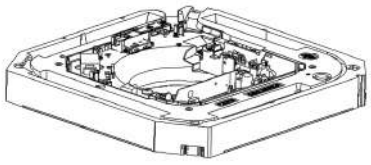
A. Remove the centrifugal fan in the direction of the arrow.



10. Remove the Panel Assembly

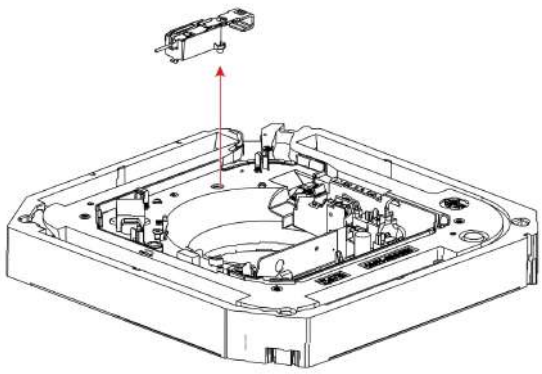
A. Remove the screws that secure the panel assembly to the drainage assembly, then remove the panel assembly.





11. Remove the USB / Wi-Fi Module

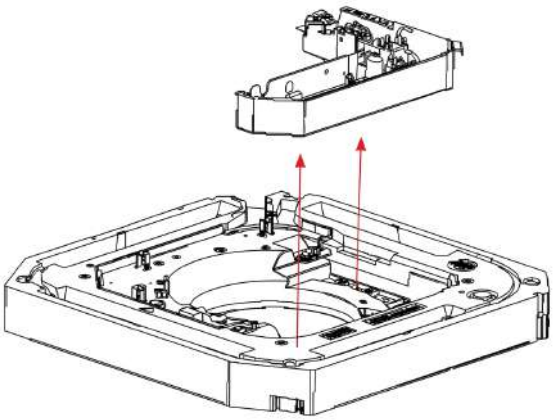
A. Remove the screws that secure the USB/Wi-Fi module to the air guide, then remove the module.



12. Remove the Electric Control Box

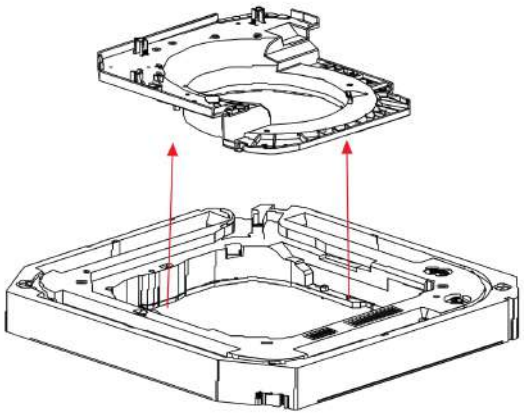
A. Remove the screws that secure the electric control box to the water tray assembly and air guide.

B. Remove the electric control box in the direction of the arrow.

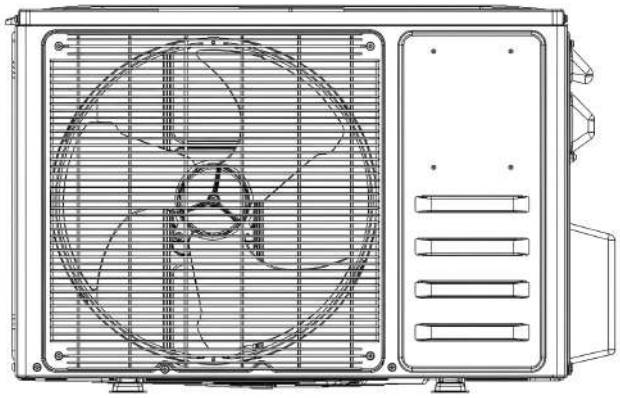
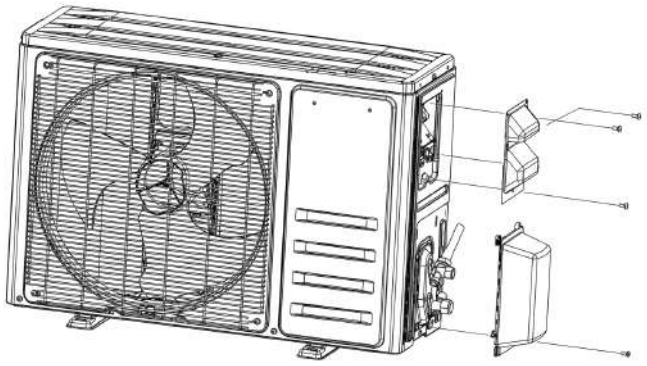
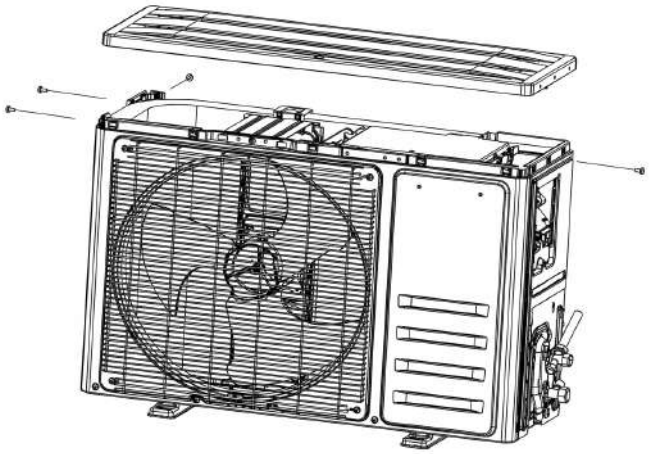


13. Remove the Air Guide

A. Remove the screws that secure the air guide to the water tray assembly, then remove the air guide.



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, then remove the cover from the unit (see image 1A). B. Remove the screw that secures the valve cover, 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, then 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, 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, then pull it out of the unit (see image 2B).

Image 2A:

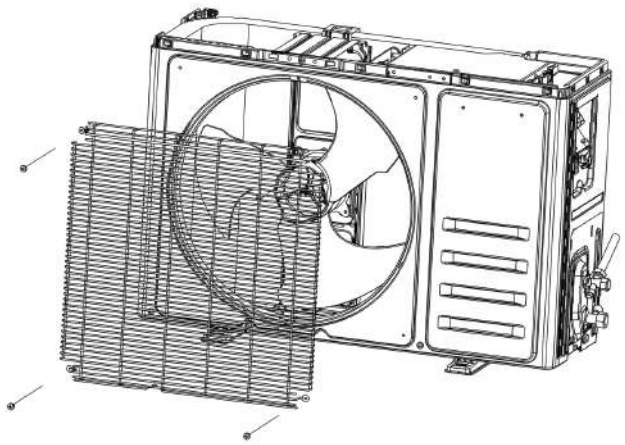
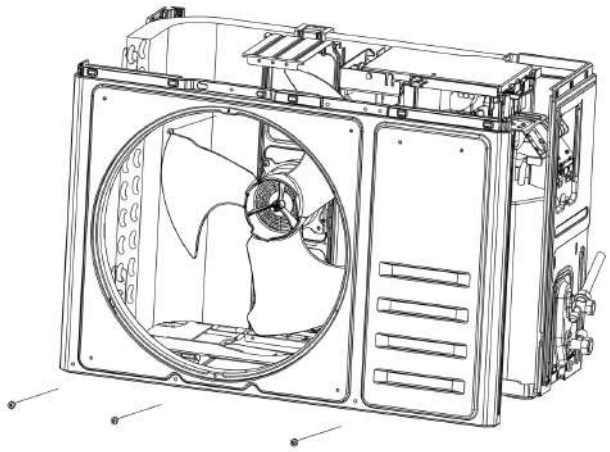


Image 2B:



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, then remove the right plate (see image 3A).

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

Image 3A:

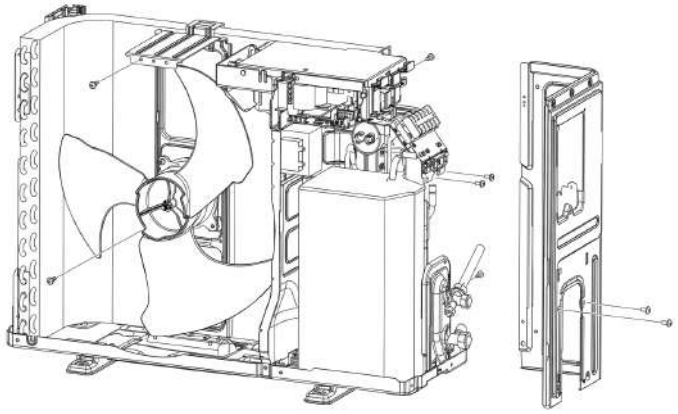
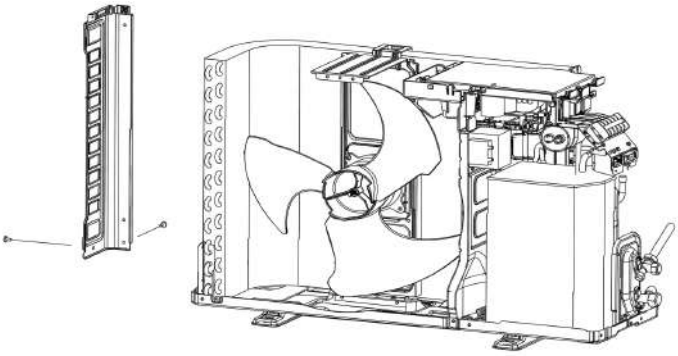
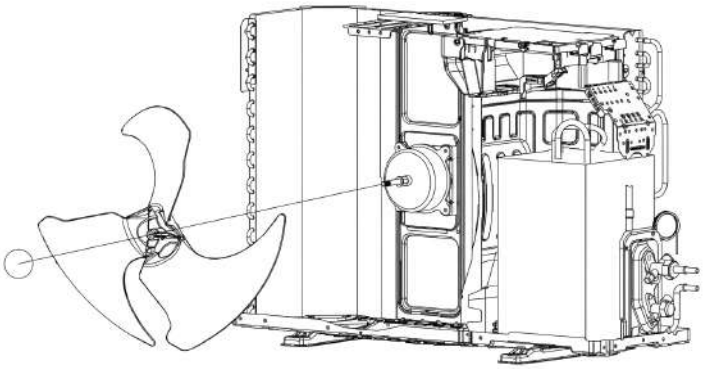


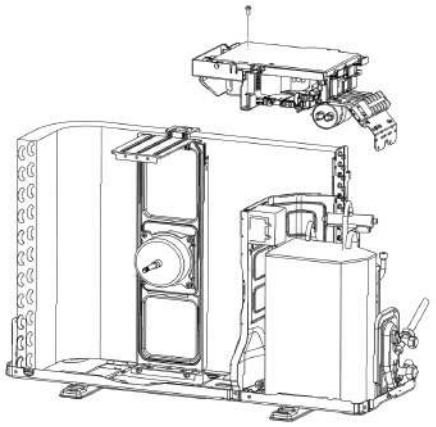
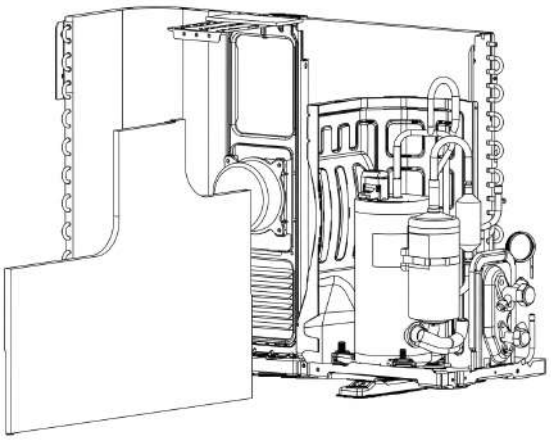
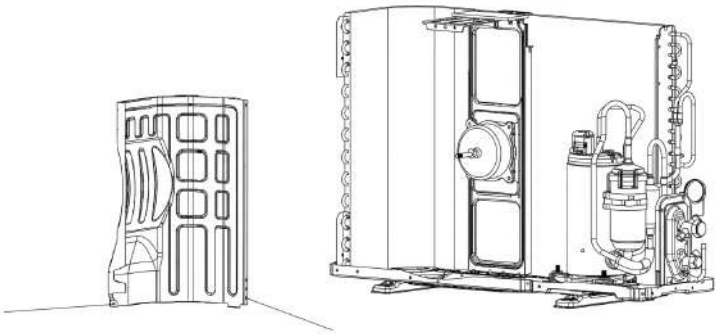
Image 3B:



4. Remove the Fan Blade

A. Unscrew the fan blade nut, 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, then remove the electric control box.	
6. Remove the Noise Cotton	
A. Take out the noise cotton.	
7. Remove the Partition Plate	
A. Remove the screw that secures the partition plate to the unit, then remove the partition plate.	

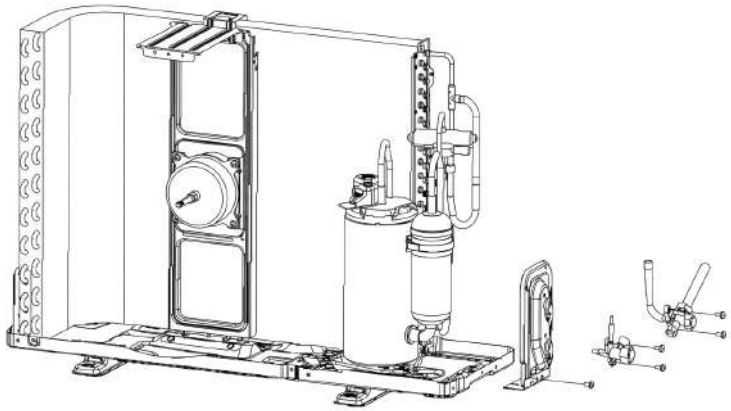
8. Remove the 2-Way and 3-Way Valve

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, then remove the valves.

Notes:

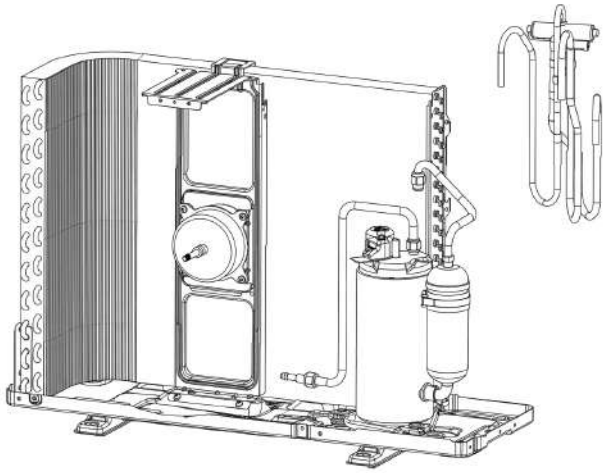
- Recover all refrigerant from the unit before brazing or unbrazing.
- Use caution when working with an open flame to prevent fire and injury.



9. Remove the 4-Way Valve

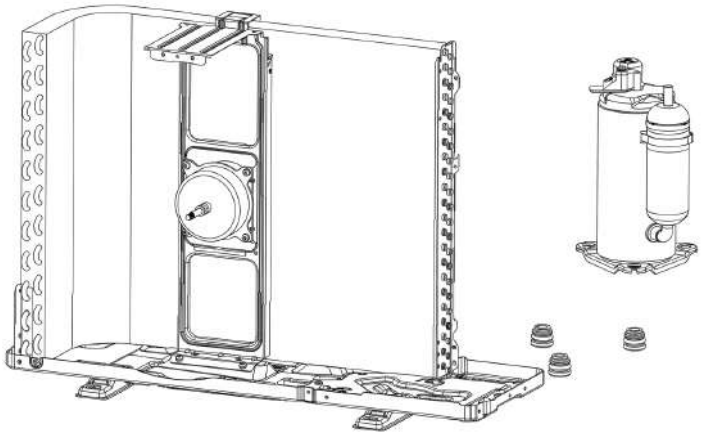
A. Unbraze the 4-way valve, then remove it from the unit.

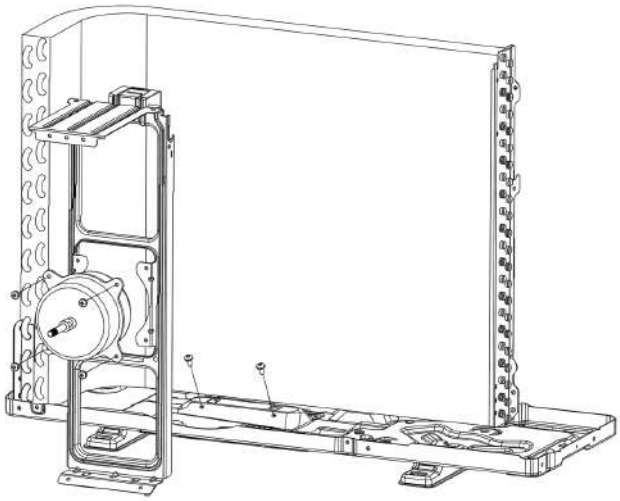
Note: Do not let the torch flame damage the compressor, nameplate, or other nearby components.



10. Remove the Compressor

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



11. Remove the Fan Motor and Motor Bracket	
A. Remove the screws that secure the motor bracket to the base plate, 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.

PIONEER®

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