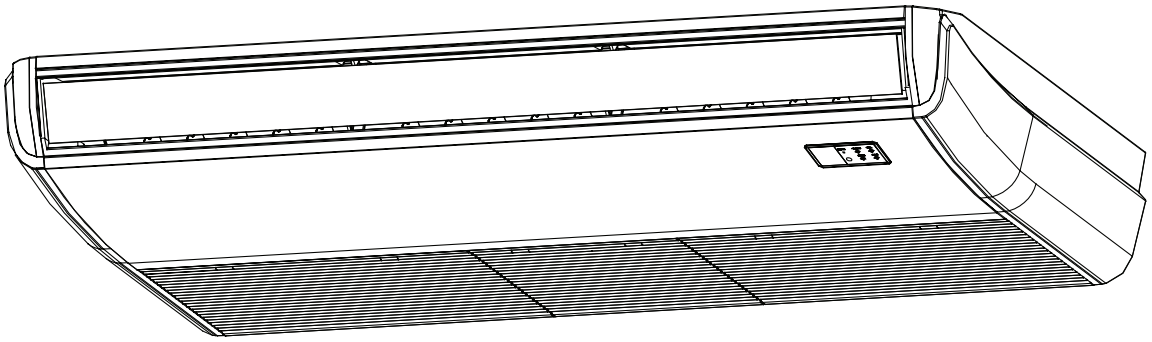
DUCTLESS MINI SPLIT SYSTEM AIR CONDITIONER / HEAT PUMP

PIONEER®

UYT-24 Inverter Series

For 18,000-22,200 BTU/hr Systems

Quantum Ultra (R-454B) - UT 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.

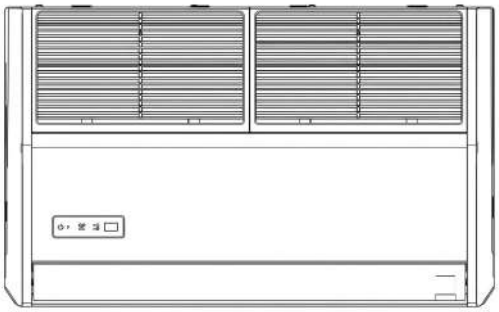
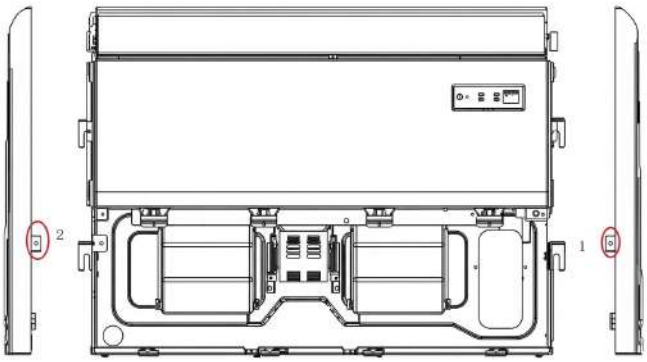
Model Numbers

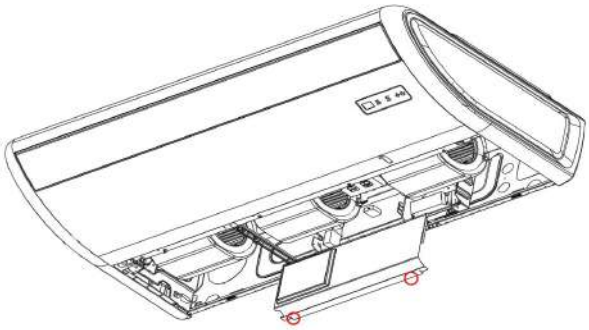
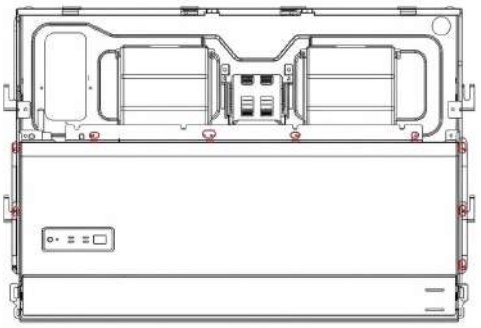
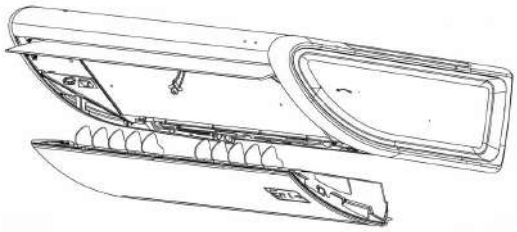
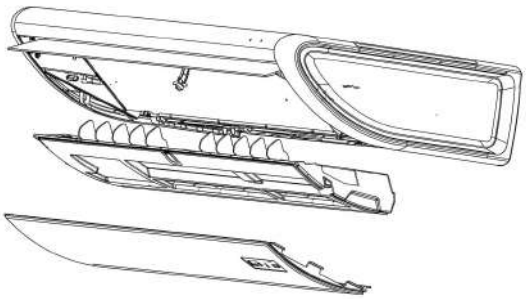
Note

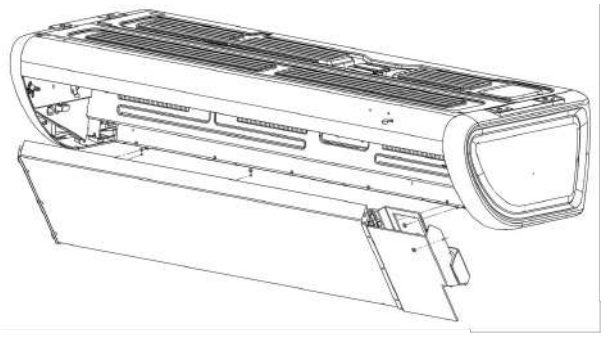
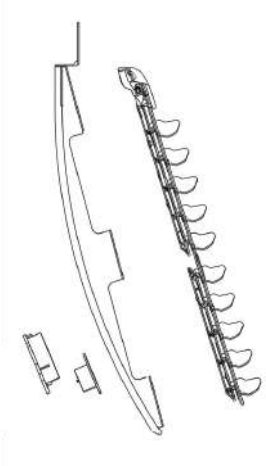
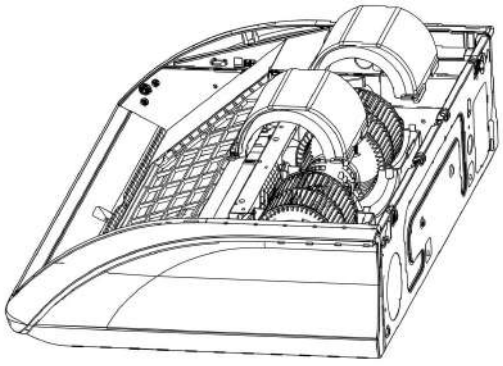
The serial number is located behind the electric control box cover on each unit.

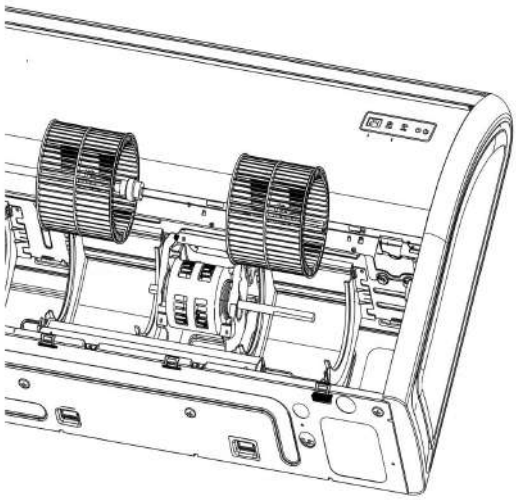
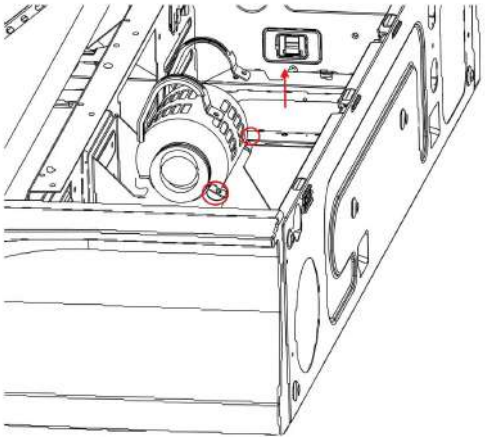
Model	Full System	Indoor Unit	Outdoor Unit
18K	UYT018GLSI24RL	UT018GLSILCFHG	YN018GLSI24RPG
22K	UYT024GLSI24RL	UT024GLSILCFHG	YN024GLSI24RPG

Indoor Unit Disassembly

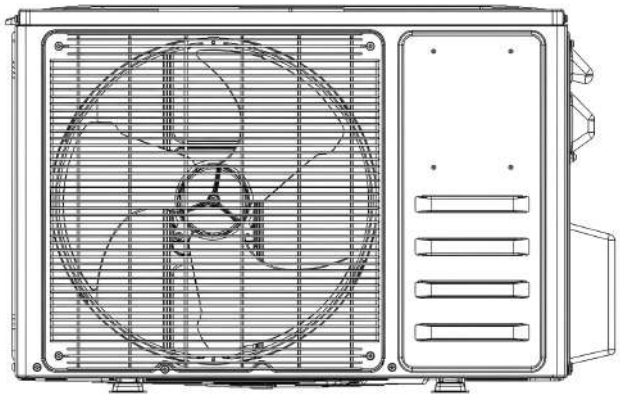
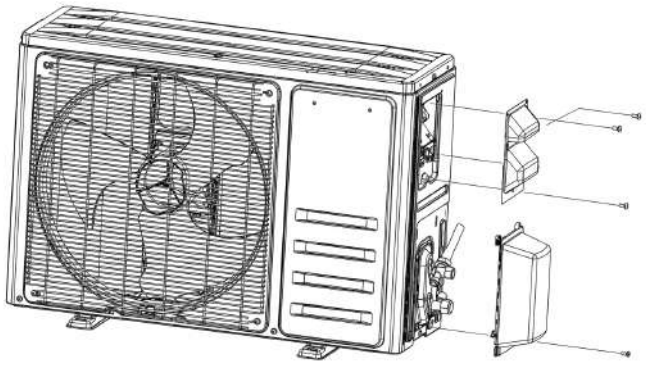
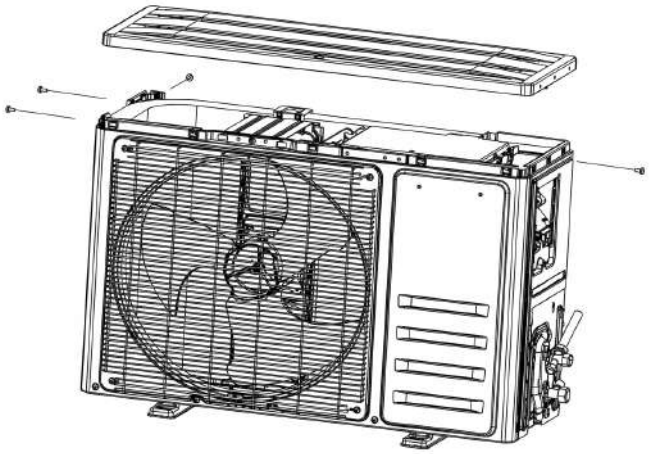
Steps	Reference Photo
Before disassembly	
1. Remove the Front Grille	
A. Remove the screws that secure the front grille, then push the clips in the direction of the arrow to release them. B. Open the front grille, then unhook it from the rear clips.	
2. Remove the Left and Right Side Panels	
A. Remove the screws shown in the image, then unhook the left and right side panels from the clips and remove them.	

3. Remove the Electric Control Box Cover	
A. Remove the screws that secure the electric control box cover, then remove the cover.	
4. Remove the Front Panel	
A. Remove the screws that secure the front panel, as shown in the image, then remove the front panel.	 
5. Remove the Water Tray	
A. Remove the water tray as shown in the image.	

6. Remove the Evaporator	
A. Remove the evaporator as shown in the image.	
7. Remove the Display Panel and Vane Assembly	
A. Remove the display panel and vane assembly as shown in the image.	
8. Remove the Volute Assembly	
A. Remove the volute assembly as shown in the image.	

9. Remove the Centrifugal Fans	
A. Remove the centrifugal fans as shown in the image.	
10. Remove the Fan Motor	
A. Remove the fan motor as shown in the image.	

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:

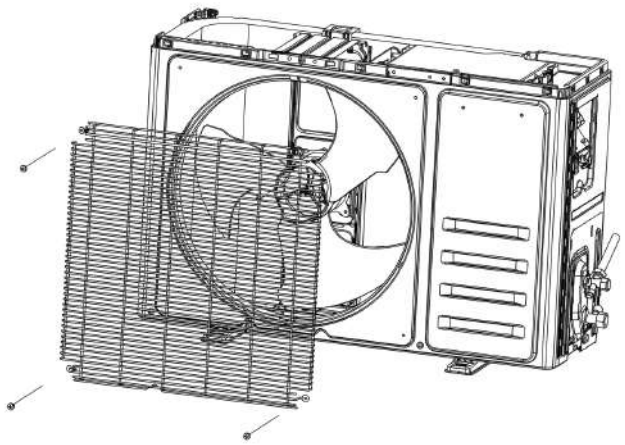
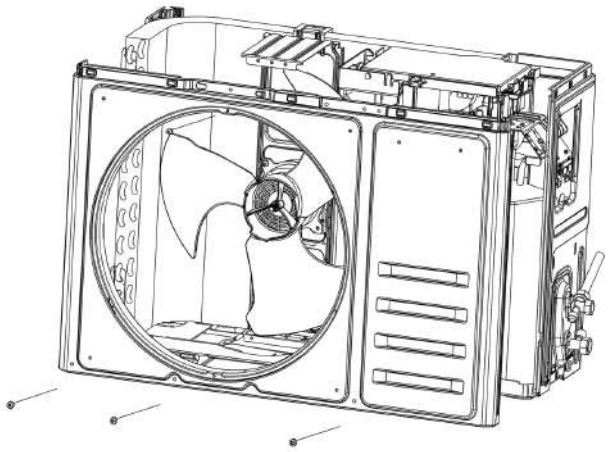


Image 2B:



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:

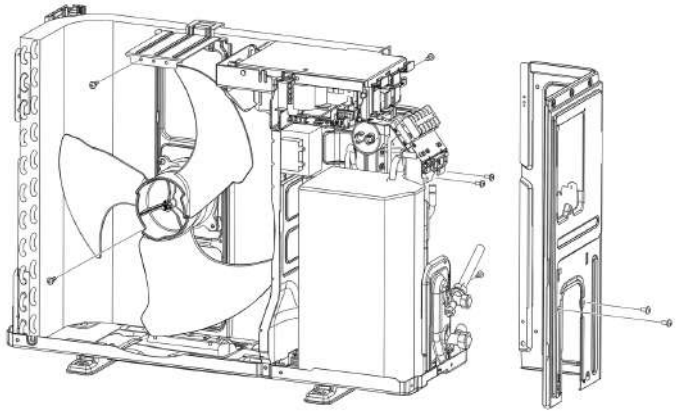
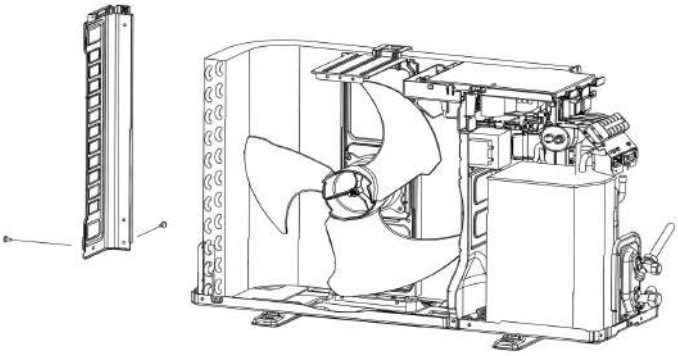
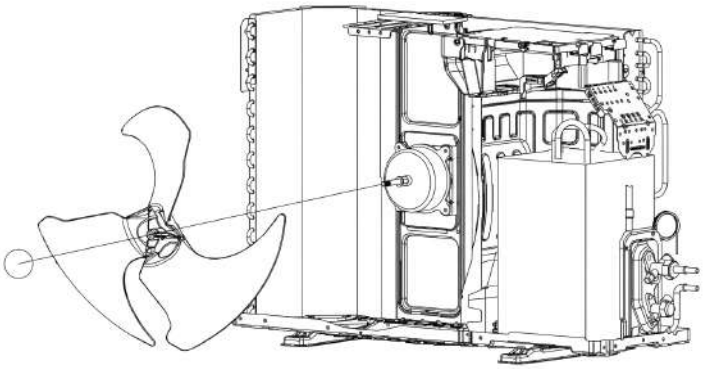


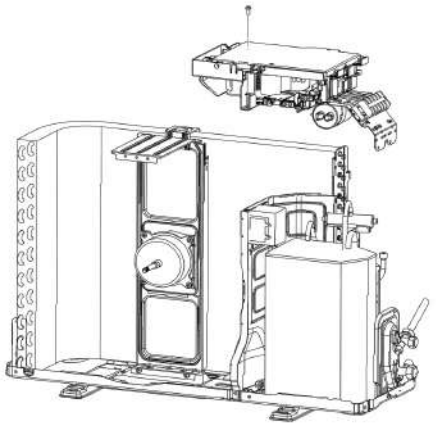
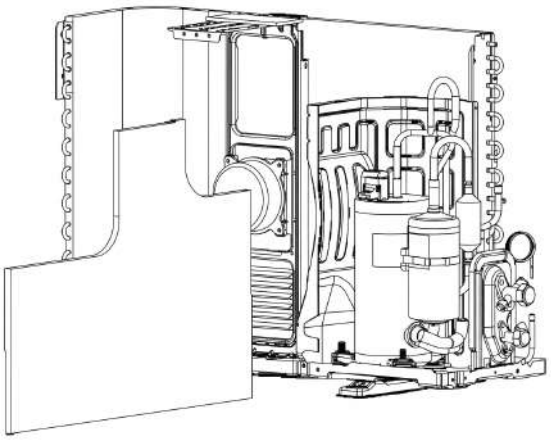
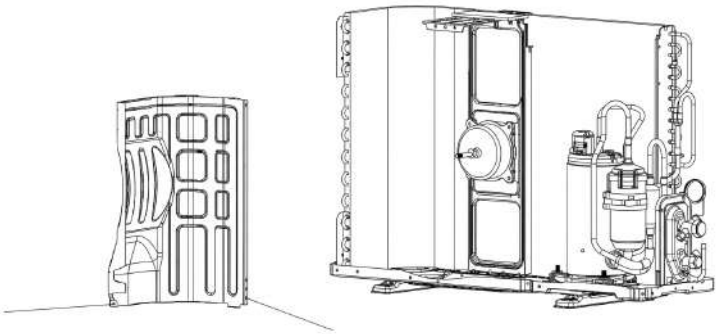
Image 3B:



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.	

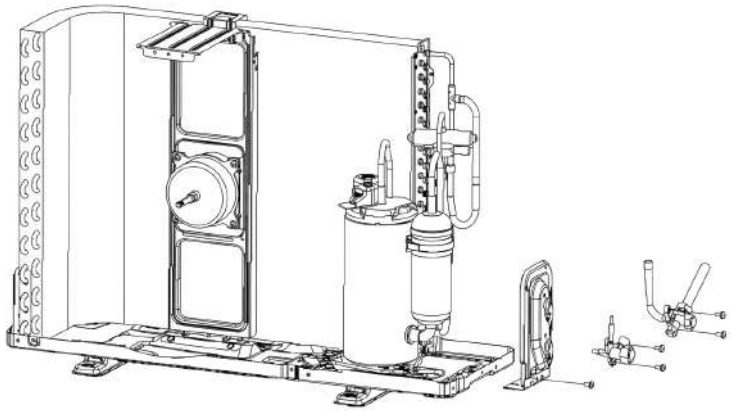
8. Remove the 2-Way and 3-Way Valve

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:

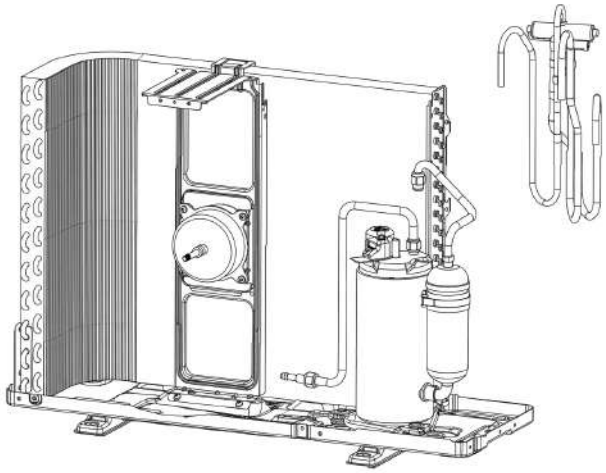
- Recover all refrigerant from the unit before brazing or unbrazing.
- Use caution when working with an open flame to prevent fire and injury.



9. Remove the 4-Way Valve

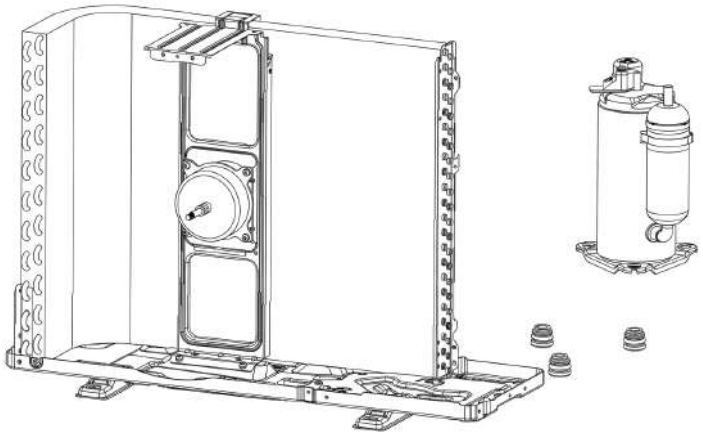
A. Unbraze the 4-way valve, then remove it from the unit.

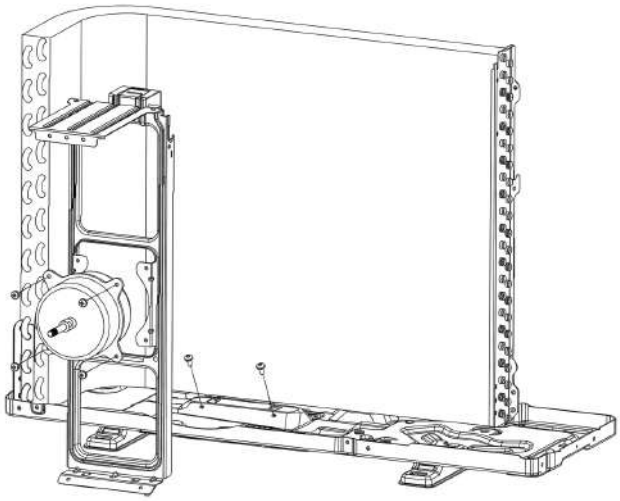
Note: Do not let the torch flame damage the compressor, nameplate, or other nearby components.



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®

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.