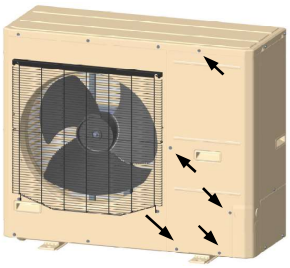
DISASSEMBLY PROCEDURE

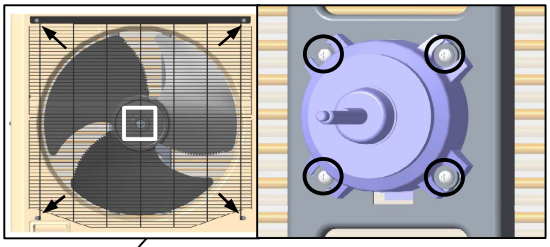
⚠WARNING Precautions for safety

- **Read these "Precautions for safety" carefully before starting disassembly work and do it in the proper way.**
- **When disassembling, be sure to turn off the power. When disassembling the electrical components, check the electrical wiring diagram.**
- **The electrical components are under high voltage by the operation of the booster capacitor. Fully discharge the capacitor before commencing a repair work. Failure to observe this warning could result in electric shock.**
- **When parts of refrigerant cycle is disassembled by welding or low pressure sensor is removed, be sure to work after collecting a refrigerant, if the refrigerant isn't collected, the unit might explode.**
- **Be sure to collect refrigerant without spreading it in the air.**
- **These contents are an example. Please refer to a similar part of actual unit.**

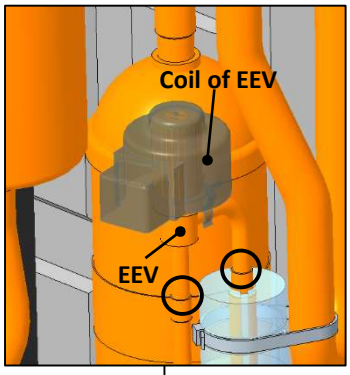
PROCEDURE & PICTURES (FDC series)

1. To remove the service panel
(1) Remove 5 service panel fixing screws and remove it.

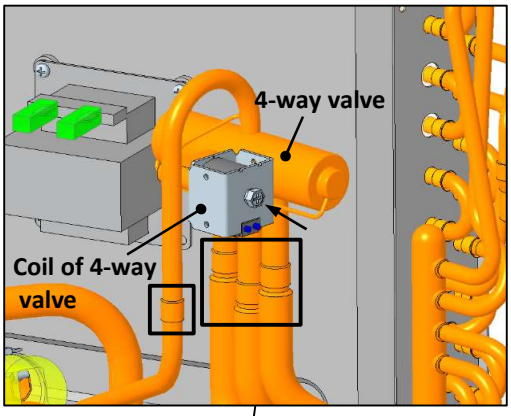




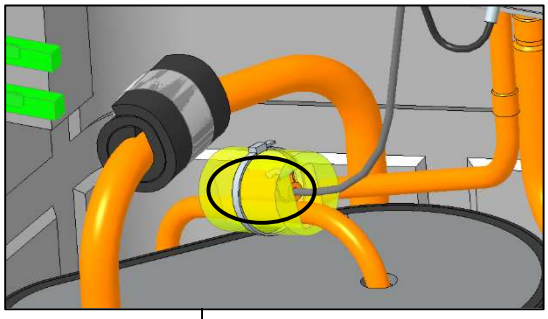
2. To remove the fan motor (FM)
(1) Remove the service panel.(See No.1)
(2) Disconnect the motor connector(FMxx or CNFxx) on PCB in control box.
(3) Remove 4 fan guard fixing screws and remove it.(← mark)
(4) Remove the propeller fan fixing nut and remove it.(☐ mark)
(5) Remove 4 fan motor fixing nuts and remove it.(○ mark)



3. To remove the electronic expantion valve (EEV)
(1) Remove the service panel.(See No.1)
(2) Disconnect the EEV connector(CNEEVx) on PCB in control box.
(3) Remove the coil of EEV by pull out on the top.
(4) Remove welded part of EEV by welding. (○ mark)



4. To remove the 4-way valve (20S)
(1) Remove the service panel.(See No.1)
(2) Disconnect the coil of 4-way valve connector (CNS) on PCB in control box.
(3) Remove the coil of 4-way valve fixing screw and remove it.(← mark)
(4) Remove welded part of 4-way valve by welding. (☐ mark)

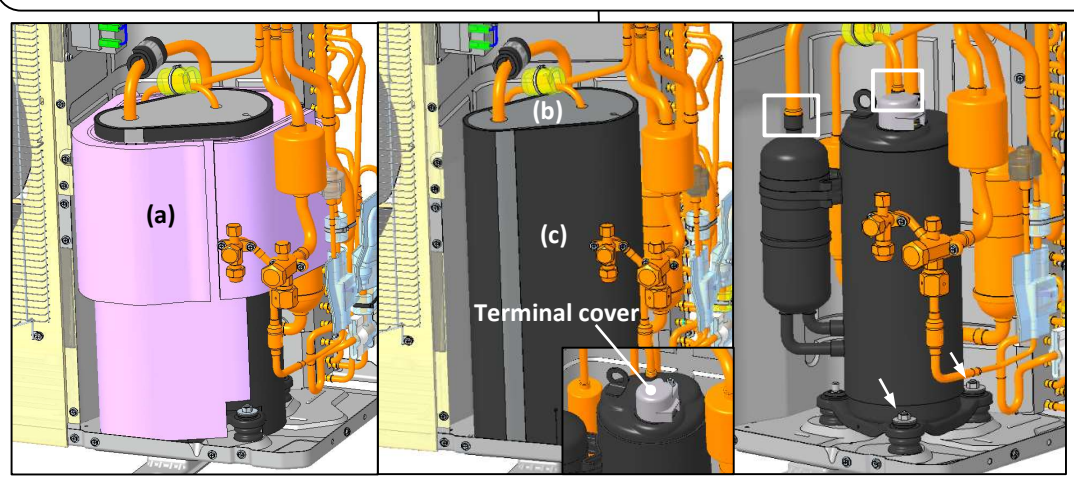


5. To remove the thermistors (example"Tho-D1")
(1) Remove the service panel.(See No.1)
(2) Disconnect the Tho-D1 connector(CNTH) on PCB in control box.
(3) Pull out the thermistor"Tho-D1" from the sensor holder.

PROCEDURE & PICTURES

6. To remove the compressor (CM)

(1) Remove the service panel.(See No.1)
(2) Remove the sub insulation for anti-vibration which covers compressor. (Strings (a) should be loosen.)
(3) Remove the insulation which covers compressor. (Strings (b),(c) should be loosen.)
(4) Remove the terminal cover fixing bolt and remove it, and disconnect the power wiring.
(5) Remove welded part of compressor by welding. (☐ mark)
(6) Remove 2 compressor fixing nuts(← mark) using spaner or adjustable wrench.



7. To remove the printed circuit board (PCB)

(1) Remove the service panel and top panel.
(2) Take off 4 hooks of lid and remove it.(○ mark, Pic.①)
(3) Remove 6 cotrol PCB fixing screws and remove it.(○ mark, Pic.②)
(4) Remove 2 cotrol box fixing screws and remove it.(○ mark, Pic.③,④)
(5) Take off 6 hooks of control box and remove it.(○ mark, Pic.⑤)
(6) Remove 4 cotrol PCB(sub) fixing screws and remove it.(○ mark, Pic.⑥)

