CHAPTER 5. DISASSEMBLING PROCEDURE

If, in carrying out repairs and modifications, the work requires the use of arc- and flame-producing apparatus, such as welding, brazing and soldering equipment, this work shall only be started after the rooms have been thoroughly ventilated. While the work is being carried out, the mechanical ventilation, if any, shall be kept in constant operation and all windows and doors kept open. In the case of repairs to parts of the refrigerant circuit, it may be necessary that not only the workman but also a second person shall be present for observation and assistance.

Necessary protective equipment shall be available and, in the case of open flames or arcs, fire extinguishing apparatus shall be ready to hand.

Welding and brazing shall be carried out by qualified workmen.

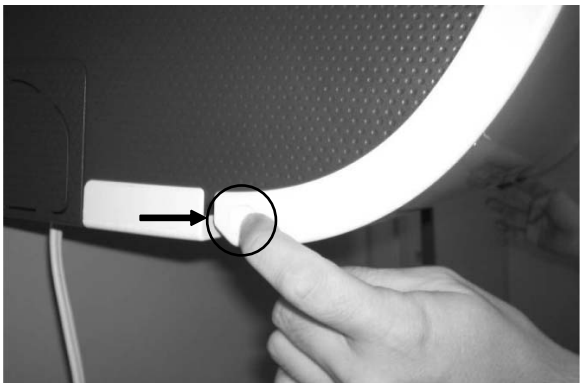
[1] DISASSEMBLY OF INDOOR UNIT

Be sure to disconnect the power cord from the AC power outlet before starting the disassembly procedure. When reassembling the unit after repairing, be sure to install screws to their original positions.

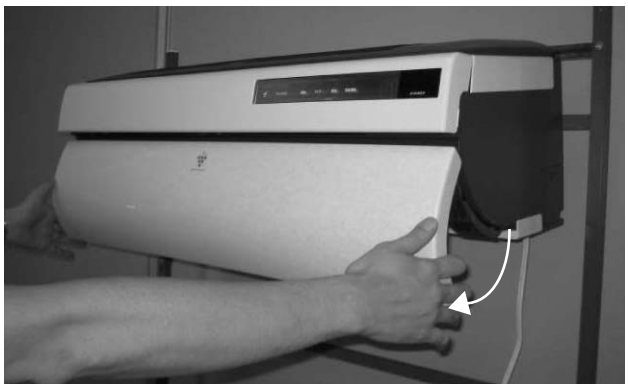
The screws used are not the same in specifications such as corrosion-resistant treatment, tip shape and length.

After the air conditioner is repaired or parts are replaced, measure insulation resistance of the equipment using an insulation resistance meter. If the measured resistance is lower than 1 MΩ, inspect parts and repair or replace defective parts.

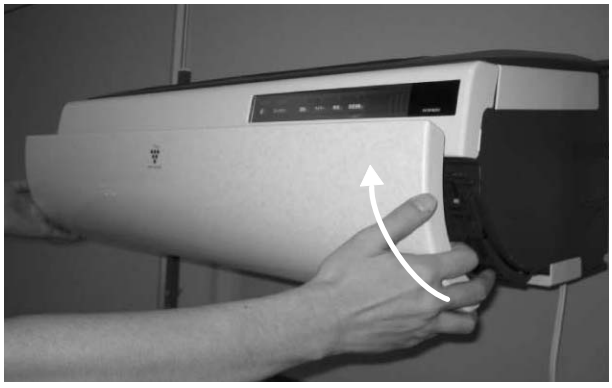
1) The lock button on a lower both sides of the panel is pushed.



2) The lower side of the panel is pulled forward.

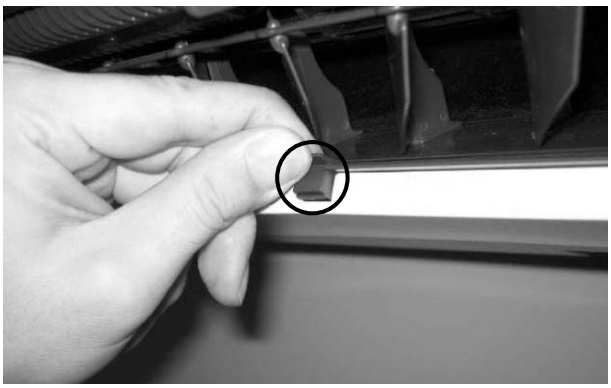


3) The panel is raised up and removed.

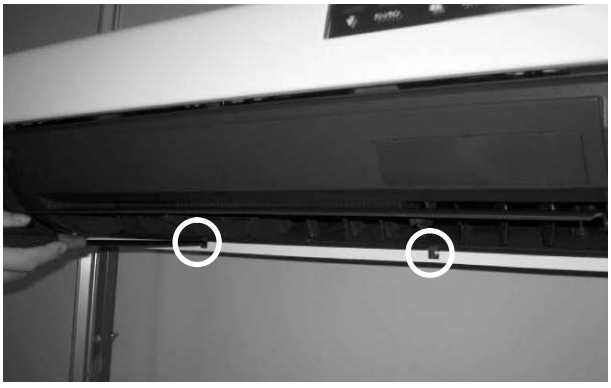


4) The filter cover is opened, and one screw at the center is removed.

5) The 2 screw covers are removed. (plaunder the balloon entrance)

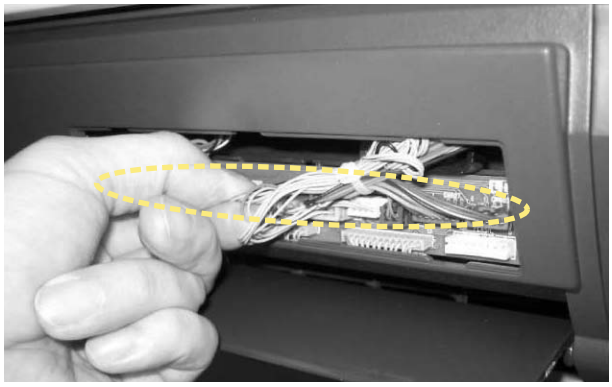


6) The 2 screws are removed.

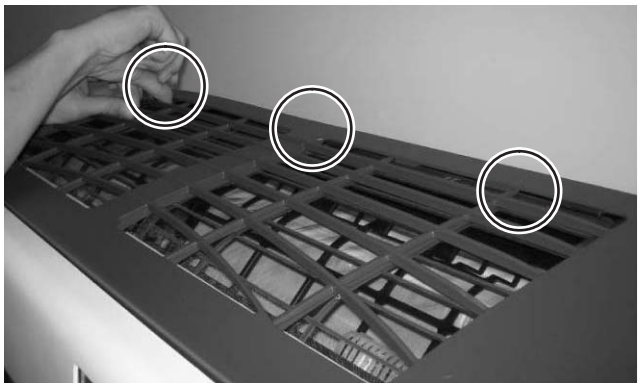


7) Remove the connector cover. (use the (-) screwdriver).

8) All of the nine connectors are removed.

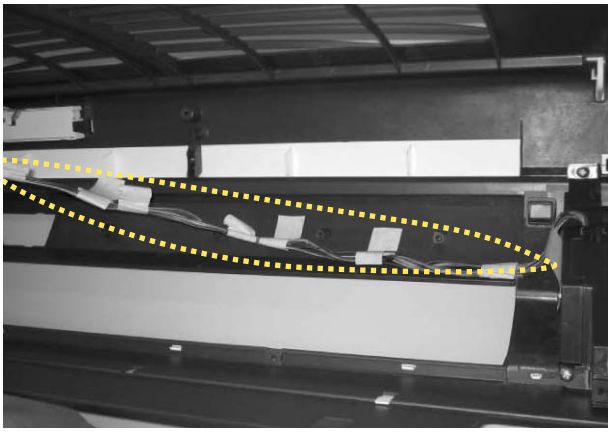


9) The hook three places of the part interior of front panel on are removed.



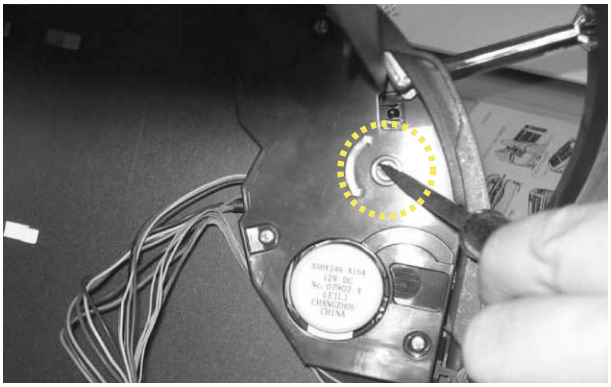
10)Front panel is pulled to front this side and removed.

11)The tapes that is the fixation of the lead wire is peeled off.



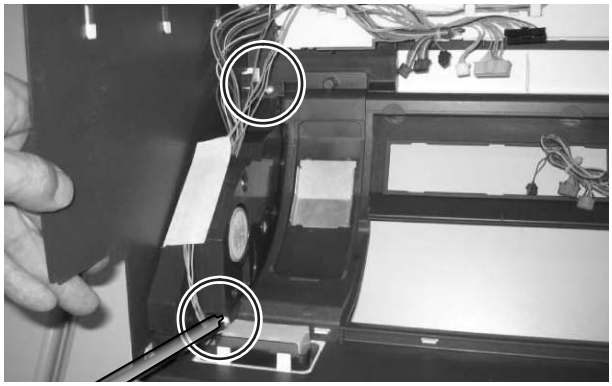
12)The panel base is drawn out forward. (both sides)

13)The gear is turned, and the panel base is removed. For a minus screw driver etc.

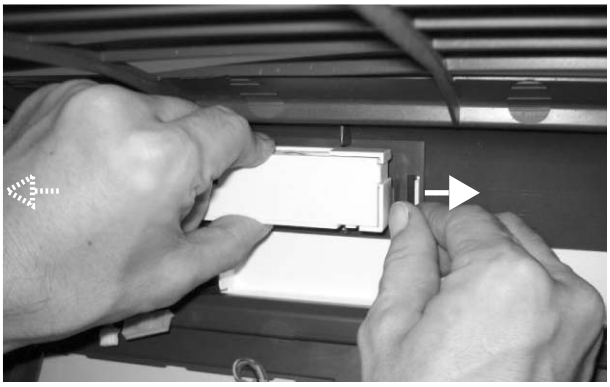


14)The pin that is the fixation of the panel base and the link is removed.

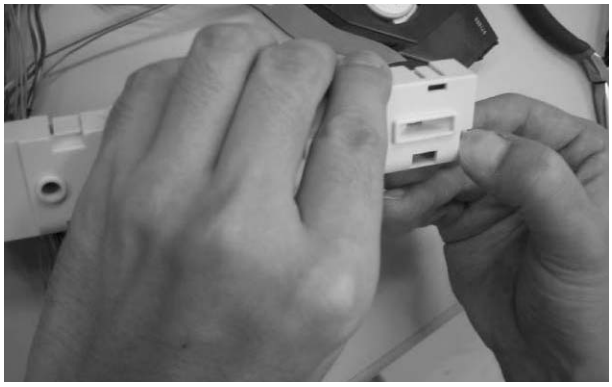
15)The panel mechanism assembly is removed. (2 screws)



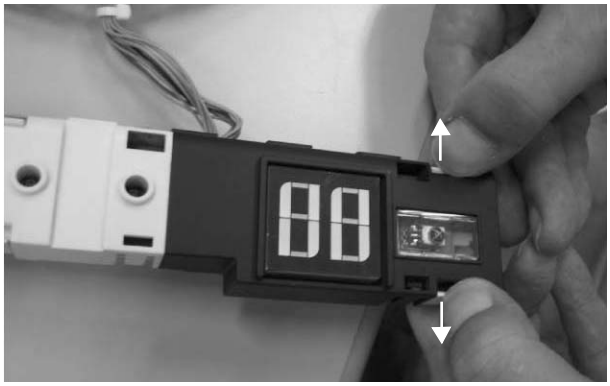
16)The display assembly is removed. (right and left two hooks place)



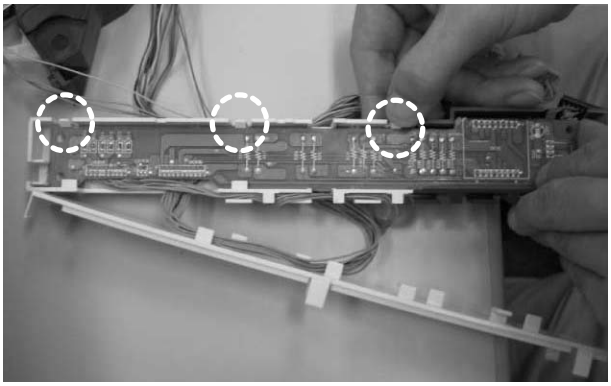
17)The cover of the display printed boad is removed.



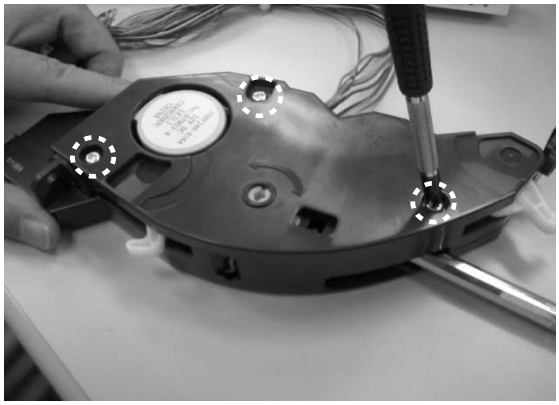
18)The display panel is removed.



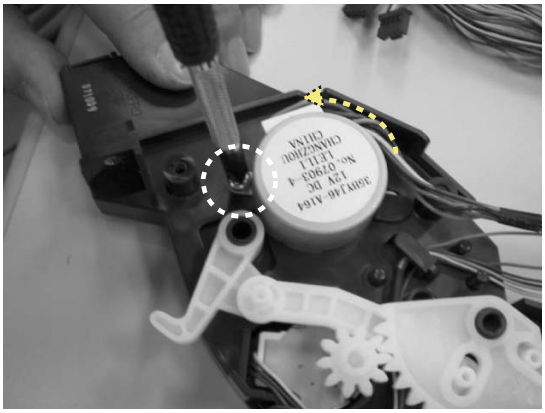
19)The display printed boad is removed. (Hook three places)



20)The panel mechanism cover is removed. (3 screws)

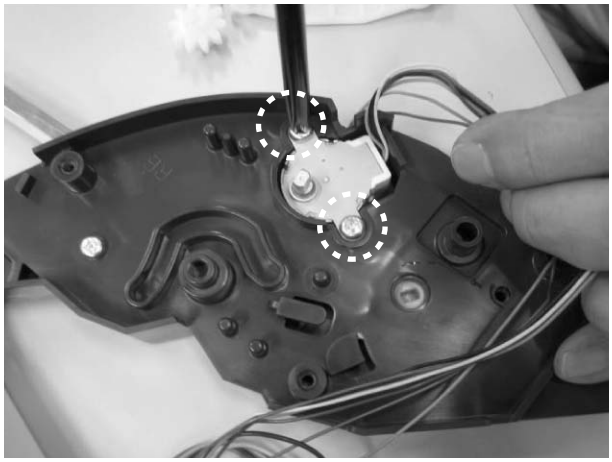


21)The screw that is the fixation of the panel motor is removed, and is turned to the left and it is removed.

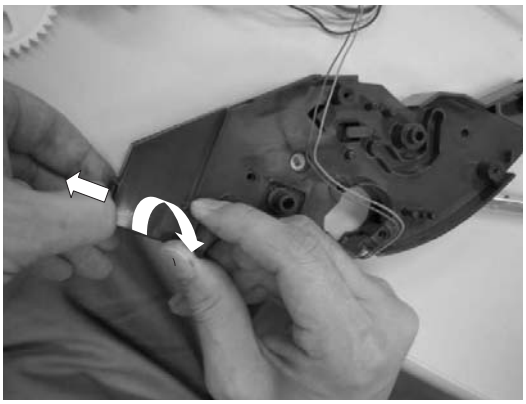


22)The gear, the crank, and the arm are removed.

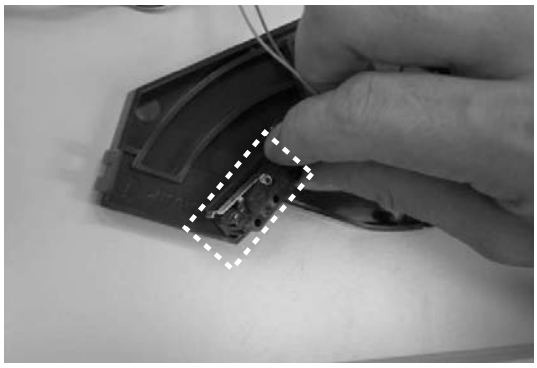
23)The panel motor is removed. (2 screws)



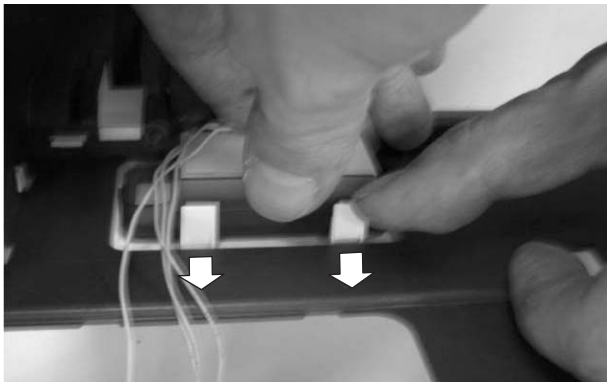
24)The mechanism case is removed. (Hook one place)



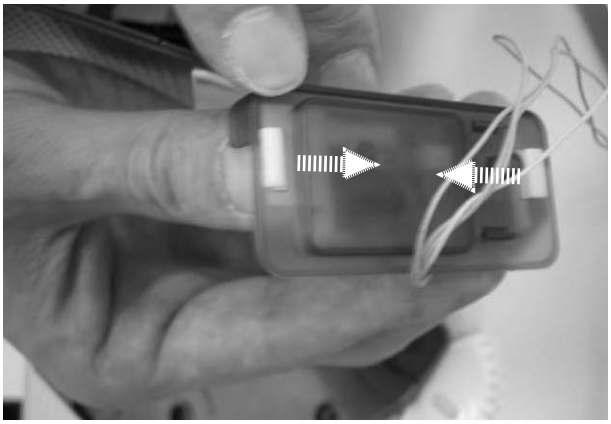
25)The limit switch is removed.



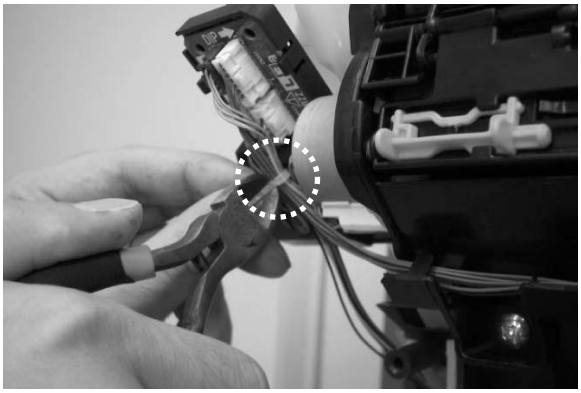
26)The reception part is removed. (Hook two places)



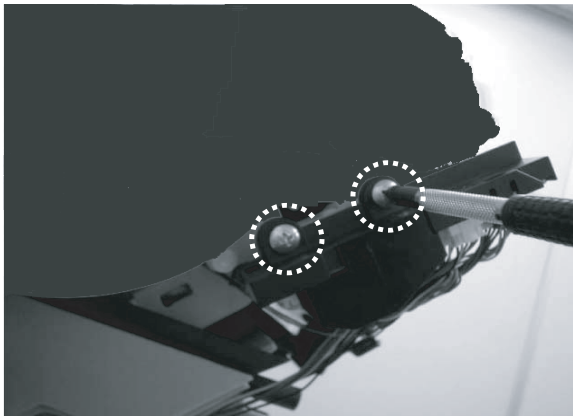
27)The reception cover is removed.



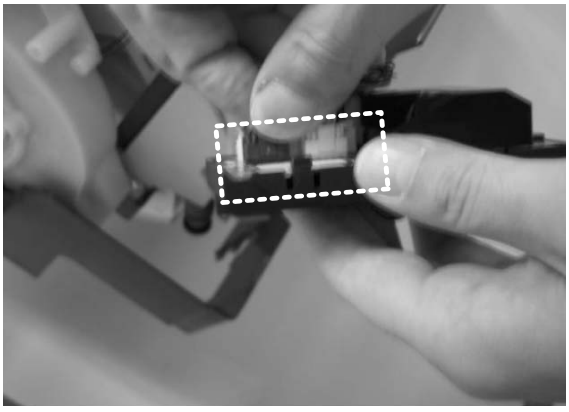
28)The fixing band of the sub.printed boad assembly is cut.



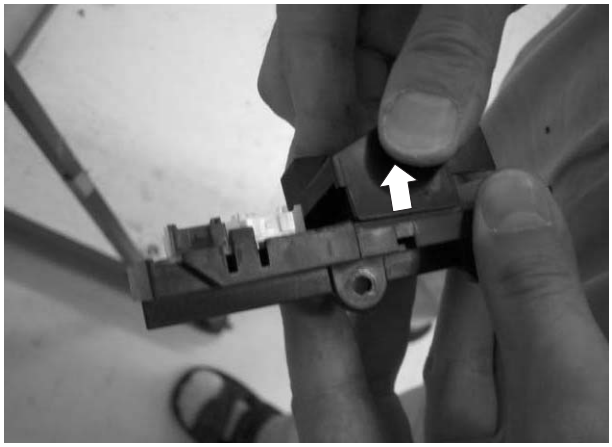
29)The sub.printed boad assembly is removed. (2 screws)



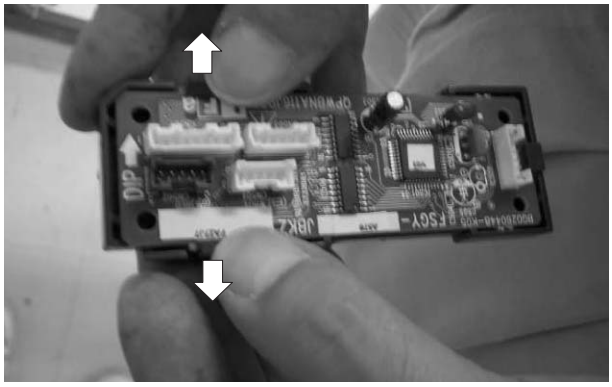
30)Five connectors are removed from sub. printed boad.



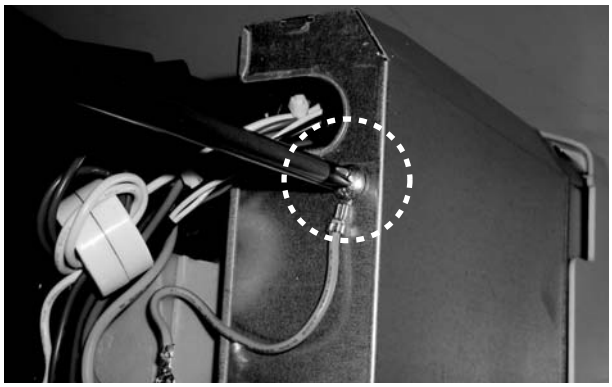
31)The sub.printed boad cover is removed. (Hook two places)



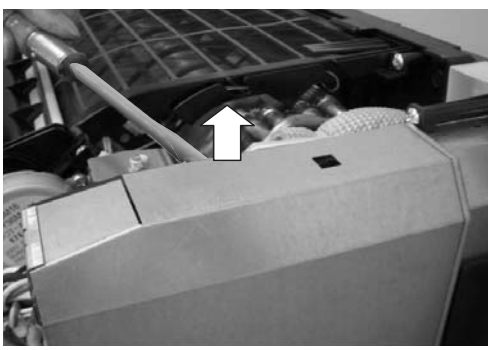
32)The sub.printed boad is removed. (Hook two places)



33)A fixed screw for P.W.B. box cover is removed.

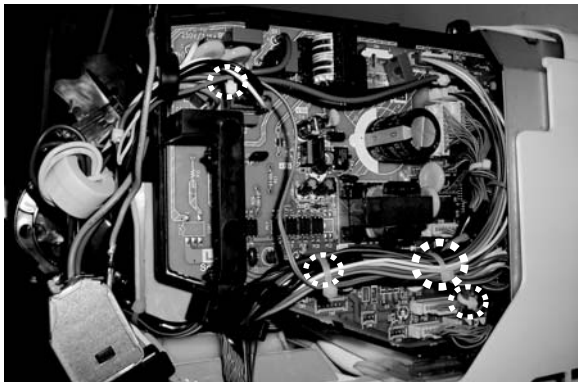


34)Hook is removed by handling a minus driver.

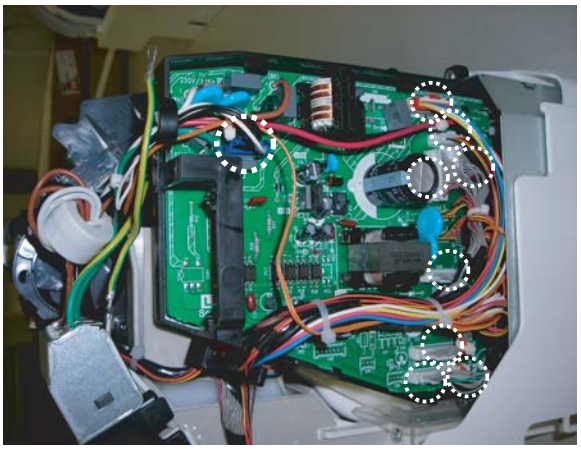


35)The P.W.B. box cover is removed.

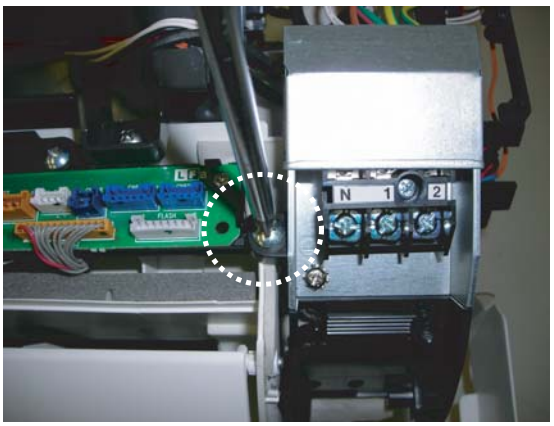
36)The fixing band in the P.W.B.assembly is cut. (4 parts)



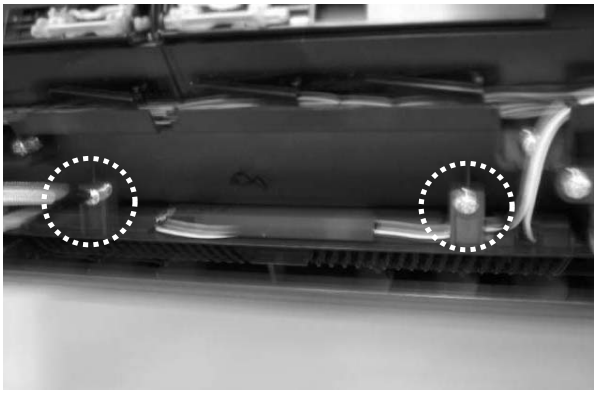
37)The connectors in nine places are removed.



38)The Terminal board removed. (1 screw)



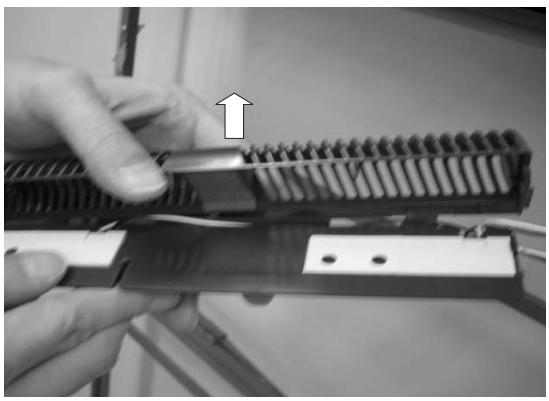
39)The plasmacluster assembly is removed. (2 screws)



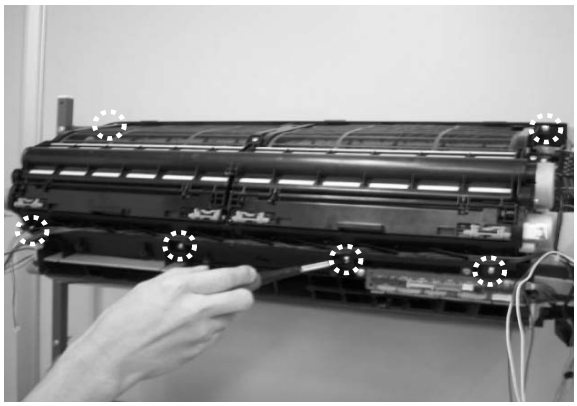
40)The plasmacluster assembly is pulled forward, and detached.

41)Two hooks of the plasmacluster cover are removed by using (-) screwdriver.

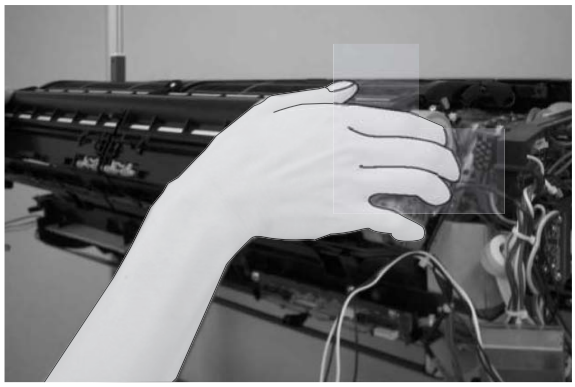
42)After the plasmacluster that removes the PC cover is taken out, the wire connector is removed.



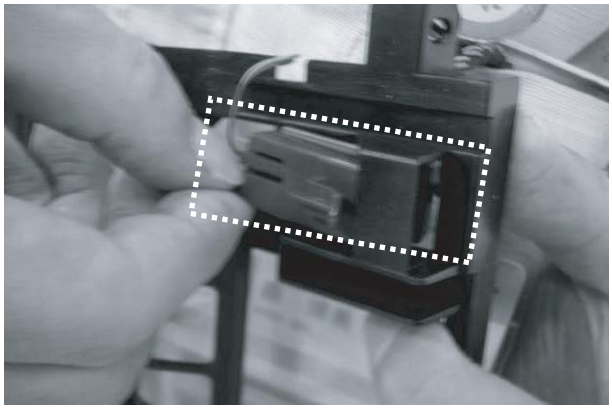
43)Six screws for the fixation of the air filter cleaning mechanism assembly is removed.



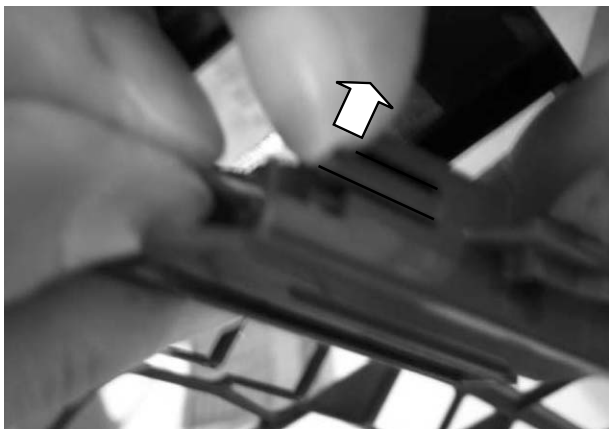
44)Air filter cleaning mechanism assembly is pulled forward and removed.



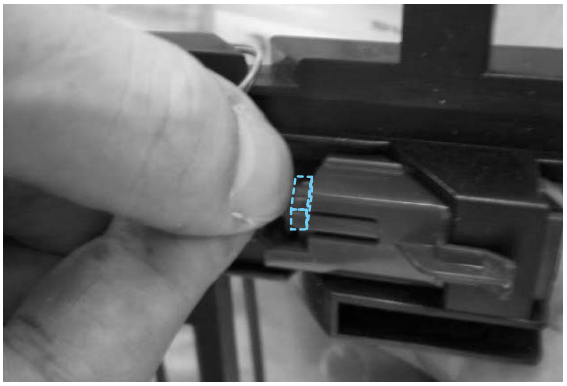
45)The limit switch cover is removed.



46)The limit switch is removed. (Hook one place)



47)The wire connector of the limit switch is removed.



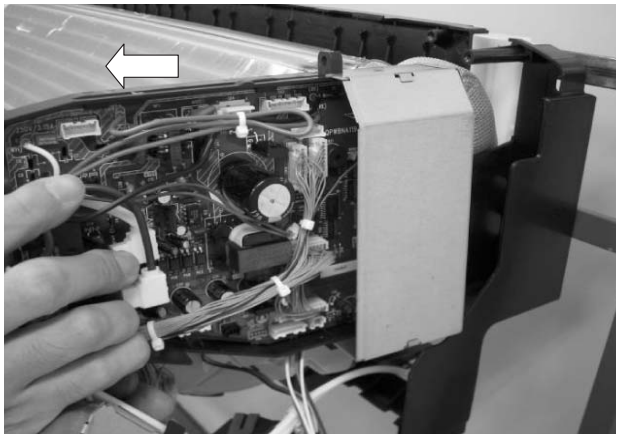
48)The thermally sensitive resistor holder is removed.
(Hook two places)

49)The relay printed bord holder removed. (2 screws)

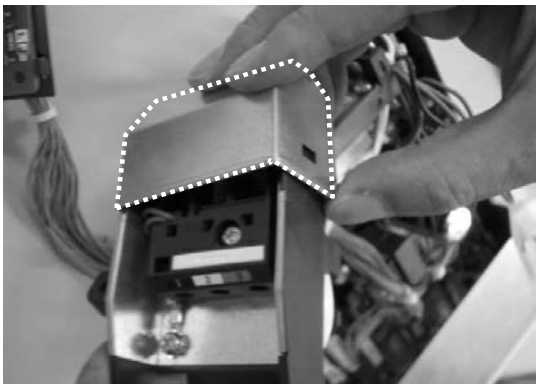
50)P.W.B. assmbly is removed. (2 screws)

51)The earth cable is removed. (1 earth screw)

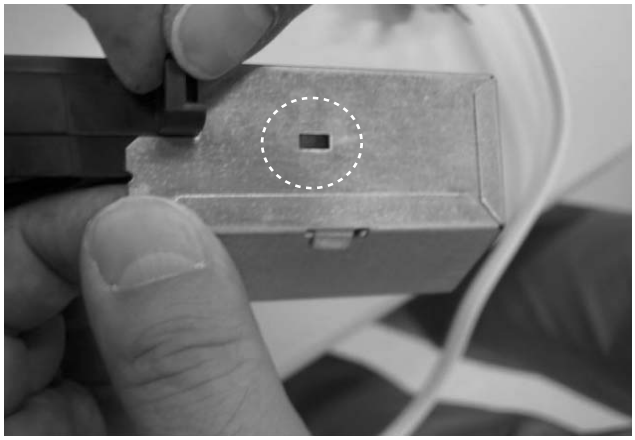
52)The P.W.B.assembly is drawn out forward.



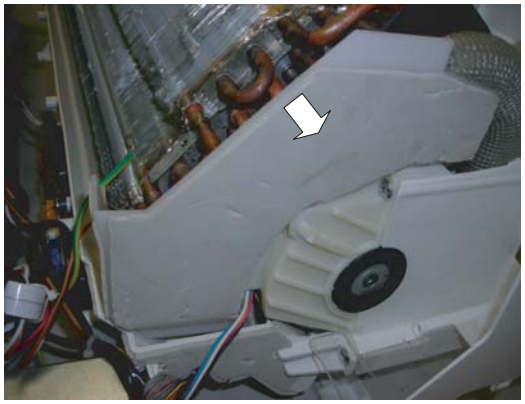
53)The Terminal cover of the Terminal stand assembly is removed. (Hook two places)



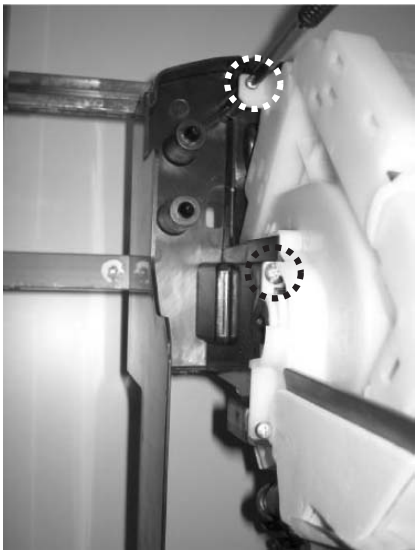
54)The P.W.B. box cover is removed. (Hook one place) And the control bord unit is removed.



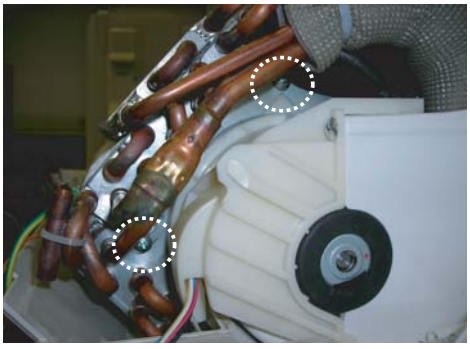
55)The dew cover is removed. (The slide is done right and remove.)



56)Two screws of cover L are removed.



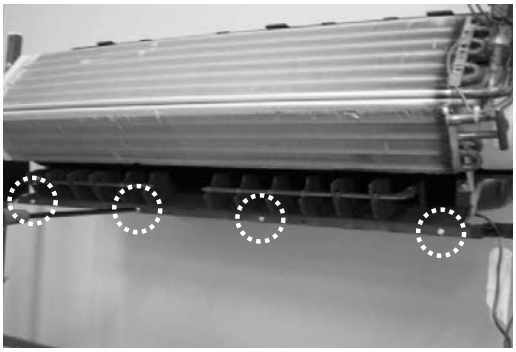
57)Two screws for the evaporator fixation (right side) are removed.



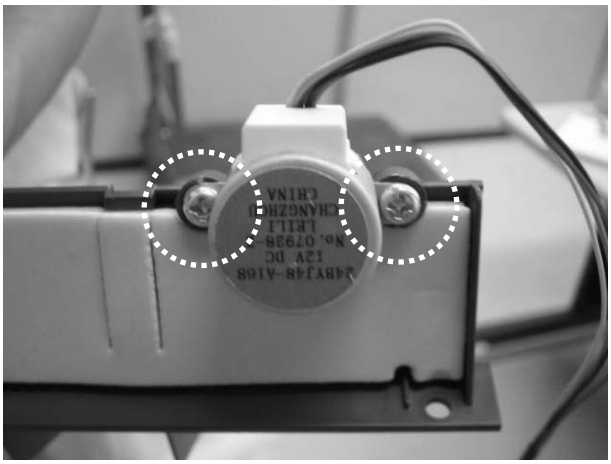
58)One screw for the drain pan fixation (right side) is removed.

59)The drain pan is detached.

60)Four fixed screws of the vertical direction louver stand assembly removed.

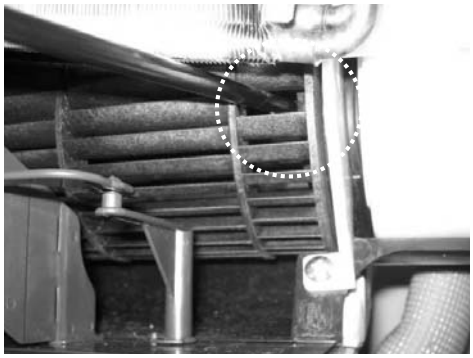


61)Driving motor of the vertical direction louver stand assembly is removed. (2 screws)

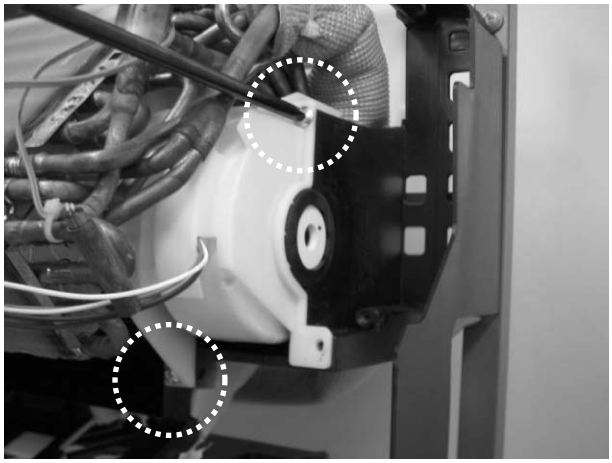


62)The bearing holder is removed. (1 screw)

63)The cross flow fan fixation screw is loosened.

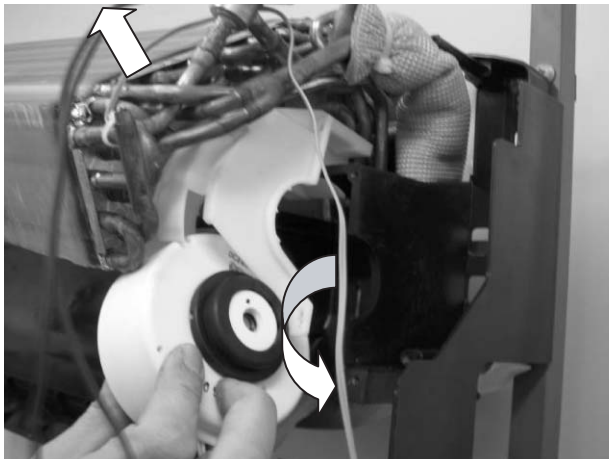


64)The two screws for the fan motor cover fixation are removed.



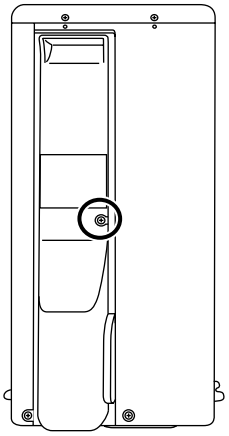
65)The cross flow fan is pulled out at the left of the unit and it removes.

66)Fan motor is removed.

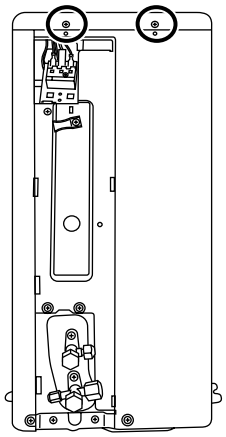


[2] DISASSEMBLY OF OUTDOOR UNIT

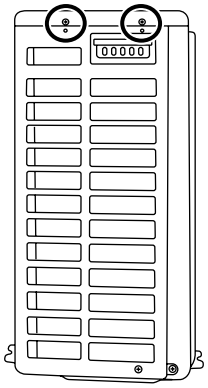
1) The fixed screw of control box cover is removed and control box cover is removed.



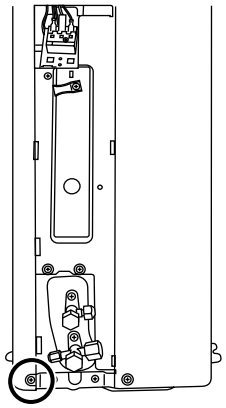
2) The 2 screws on the right-hand side of top plate ass'y is removed.



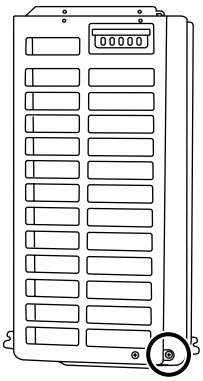
3) The 2 screws on the left-hand side of top plate ass'y is removed.



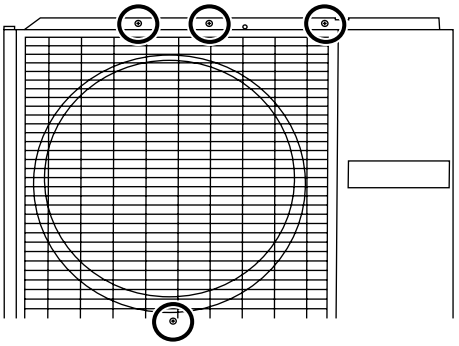
4) The screw on the right-hand side of front panel is removed



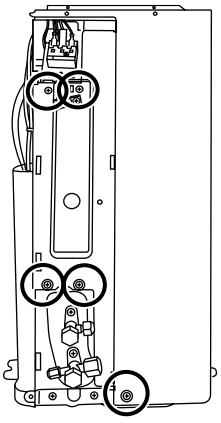
5) The screw on the right-hand side of front panel is removed



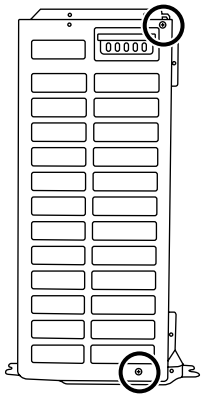
6) The 4 screws of the front of a front panel is removed.



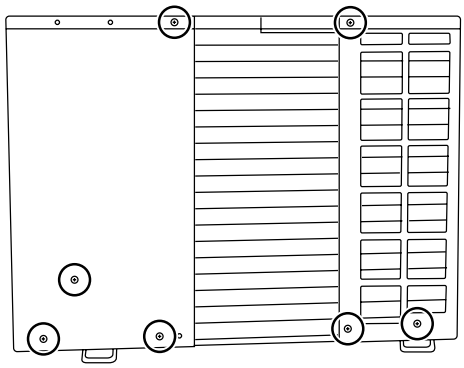
7) The 5 screws on the right-hand side of side cover R is removed.



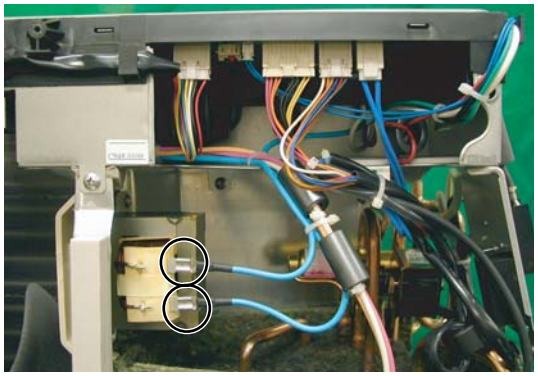
8) The 2 screws on the right-hand side of side cover L is removed.



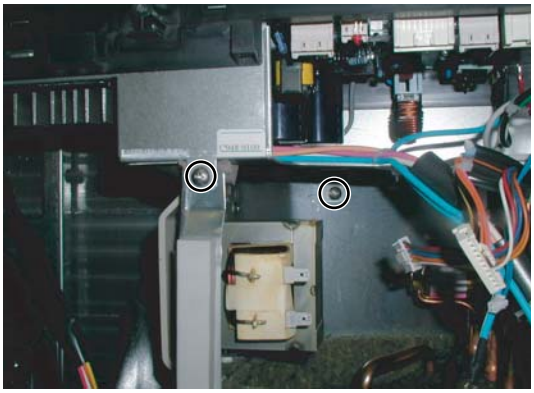
9) The 7 screws of the side cover L and side cover R back is removed.



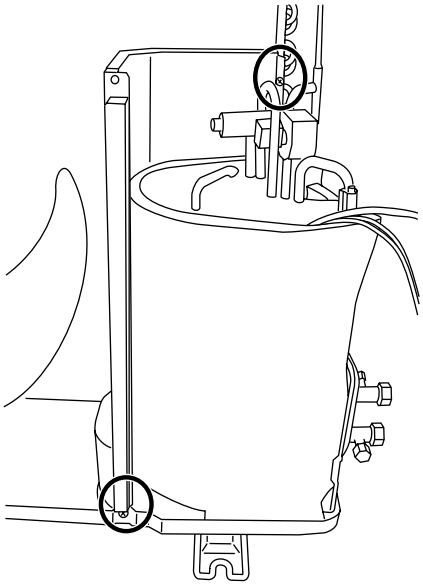
10)The connectors in the control box BOX and reactor is removed.



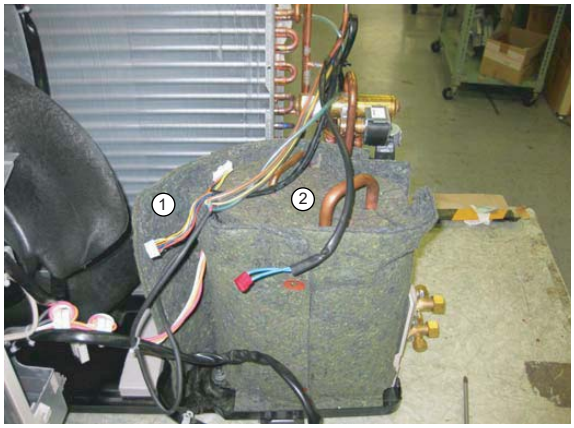
11)A control box BOX fixed 2 screws is removed.



12)A bulkhead plate fixed 2 screws is removed.



13)The compressor covers 1, 2 removed.

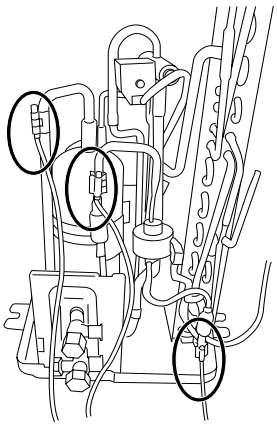


14)A nut is removed and a terminal cover is removed.

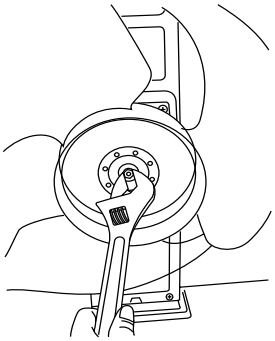
15)A lead wire, a thermistor, and a cover gasket are removed.

16)The compressor cover is removed.

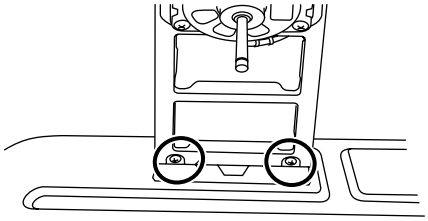
17)A thermistor is removed. (1 place)



18)An outdoor fan is removed.

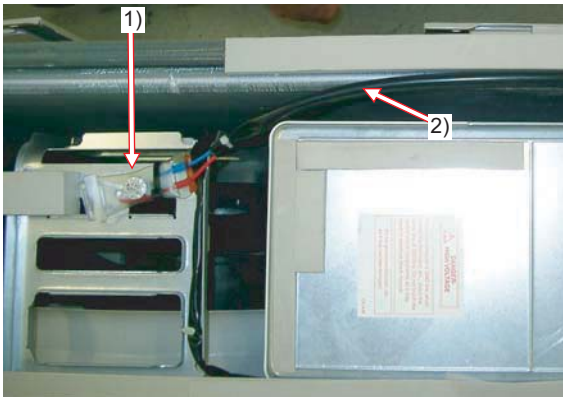


19)The fixed 2 screws of a motor angle is removed.

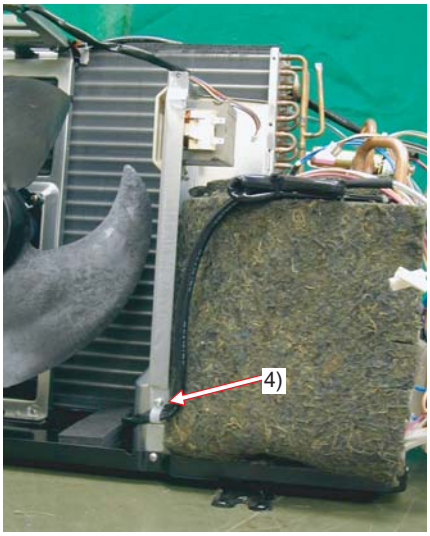


– **Disassembly of Heater(CHET-A025JBKZ) Unit**

1) Cut the band fixing the bi-metal thermostat.
2) Powercord for bi-metal thermostat.



3) Cut the band which holds together the thermistor cords and power cord for bi-metal thermostat.
4) Remove screw NK-8K



5) Pull out the heater wire from beneath the heat exchanger