



## 2.5/3.5/4.2/5.0 kW Class









# Service Manual Removal Procedure

# **Indoor Unit**

●Heat Pump CTXU25G2V1B CTXU35G2V1B CTXU42G2V1B CTXU50G2V1B

# **Table of Contents**

| 1. | Removal of Air filter                            | 2  |
|----|--|----|
| 2. | Removal of Front Panel                           | 5  |
| 3. | Removal of Front Grille                          | 7  |
| 4. | Removal of Horizontal Blades and Vertical Blades | 10 |
| 5. | Removal of Electrical Box                        | 14 |
| 6. | Removal of PCBs                                  | 17 |
| 7. | Removal of Connecting Duct                       | 22 |
| 8. | Removal of Indoor Heat Exchanger                 | 23 |
| 9. | Removal of Swing Motor                           | 26 |
| 10 | ).Removal of Fan Rotor                           | 30 |



• The illustrations may be slightly different depending on the model.

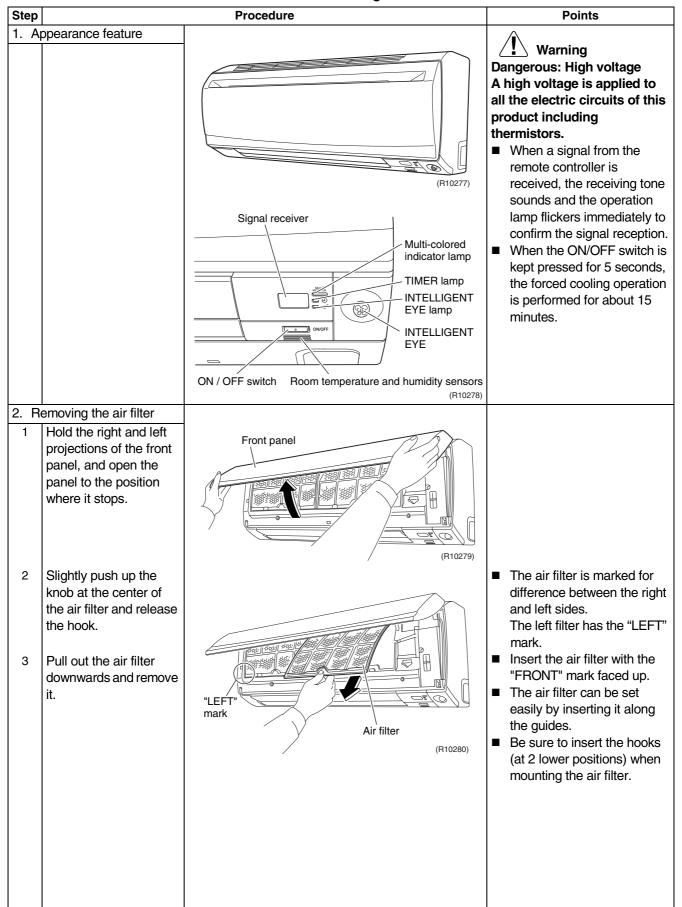
Removal of Air filter Si041050

### 1. Removal of Air filter

#### **Procedure**

/ Warning

Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



Si041050 Removal of Air filter

| Step   |  | Procedure  | Points  |
|--------|--|--|---|
|        | emoving the titanium   |  |   |
|        | patite photocatalytic air-   |  |   |
| 1<br>1 | The titanium apatite photocatalytic air-purifying filter is attached to the back of  | Air filter   | ■ The titanium apatite photocatalytic air-purifying filter is not marked for difference between the right |
|        | the air filter.  | Titanium apatite photocatalytic air-purifying filter (R7904) | and left sides.   |
| 2      | Remove the titanium apatite photocatalytic air-purifying filter frame by bending the air filter and unfastening the projections from the air filter frame. | Projections  |   |
| 3      | Remove the titanium apatite photocatalytic air-purifying filter from its frame (at 5 positions) by bending it.   | (R7905)  |   |
|        |  |  |   |

Removal of Air filter Si041050

| Step |   | Procedure                |   | Points  |
|------|---|--------------------------|---|---|
| 4. R | emoving the air supply<br>ter                                       |                          | - | Insert the air supply filter along with the guide for easy  |
| 1    | Lift the air supply filter up to take out.                          | Air supply filter        | • | Installation.  Install the air supply filter correctly so that the front side mark comes front.                                 |
| 2    | Undo the upper 2 hooks  | (R10281)                 | • | Humidifying operation without installing the air supply filter forms condensation inside the panel and it causes water leakage. |
| 2    | Undo the upper 2 hooks of the air supply filter and open the frame. | Front side mark (R10282) |   | leakage.  There are 4 hooks for the air supply filter.  |
|      |   |                          |   |   |

Si041050 Removal of Front Panel

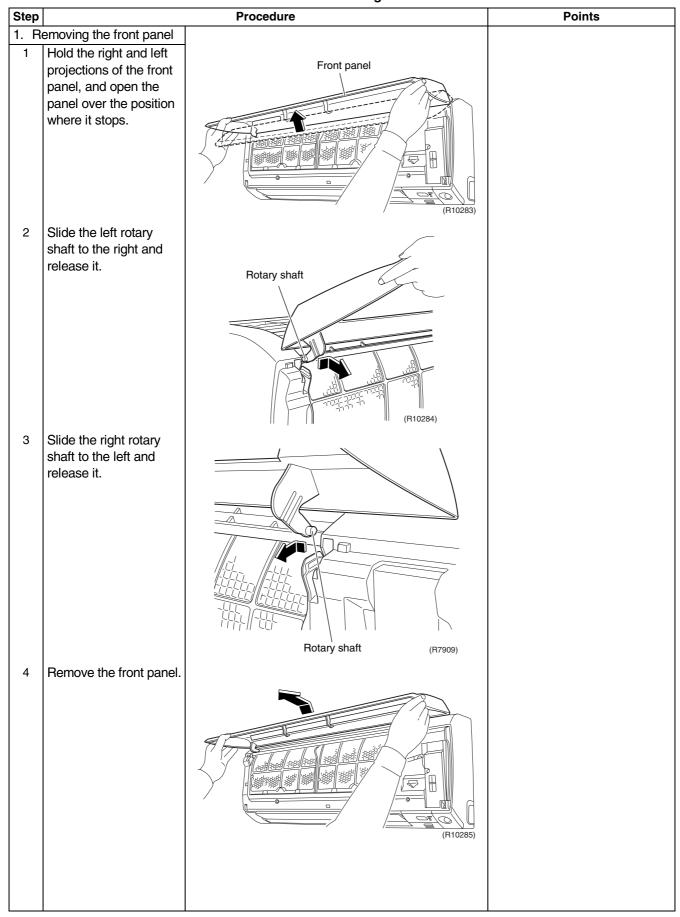
### 2. Removal of Front Panel

### **Procedure**

<u> Î</u>

Warning

Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



Removal of Front Panel Si041050

| Step |   | Procedure           | Points  |
|------|---|---------------------|---|
| 5    | When mounting the   |                     |   |
|      | When mounting the front panel, make sure that the projection is fitted in the guide before closing the panel. | Projection (R10286) | Points  Caution on Mounting  When mounting the front panel, fit the right and left rotary shafts one by one into the grooves and fully push them in position. |

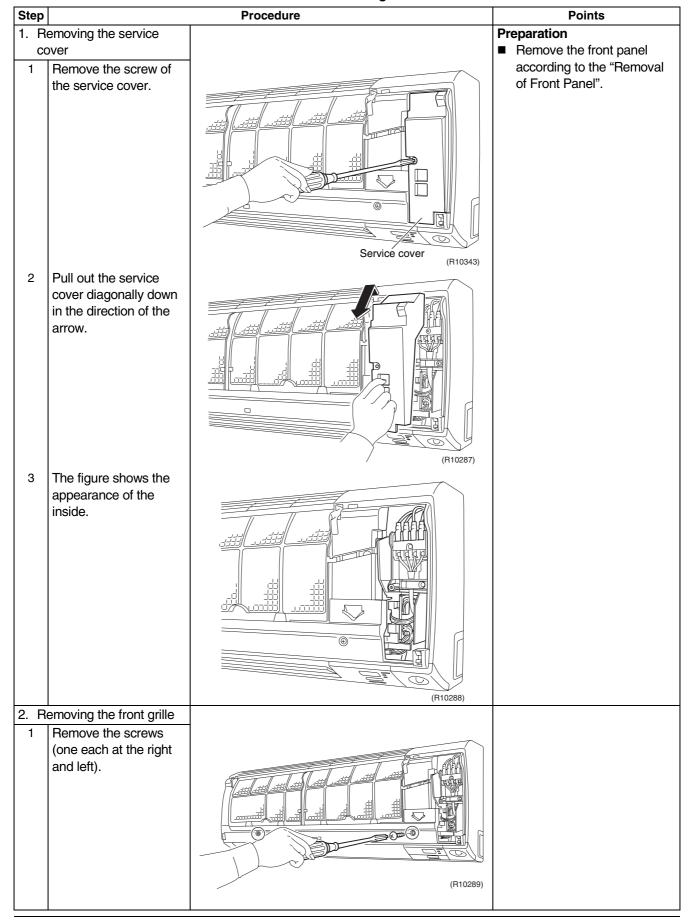
Si041050 Removal of Front Grille

### 3. Removal of Front Grille

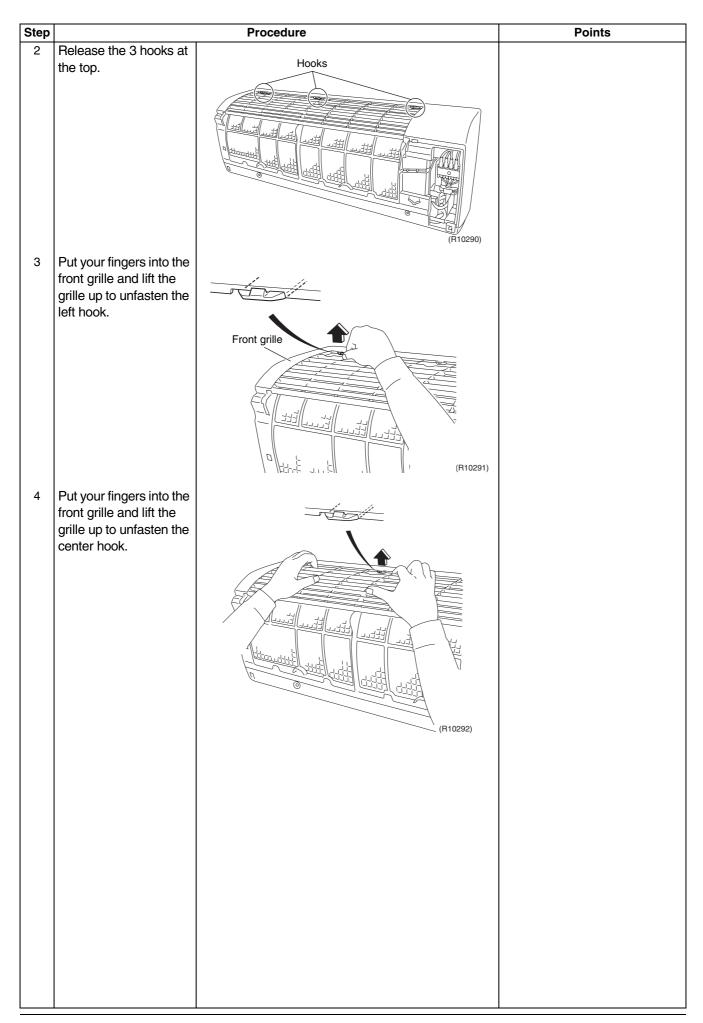
### **Procedure**

**Warning** 

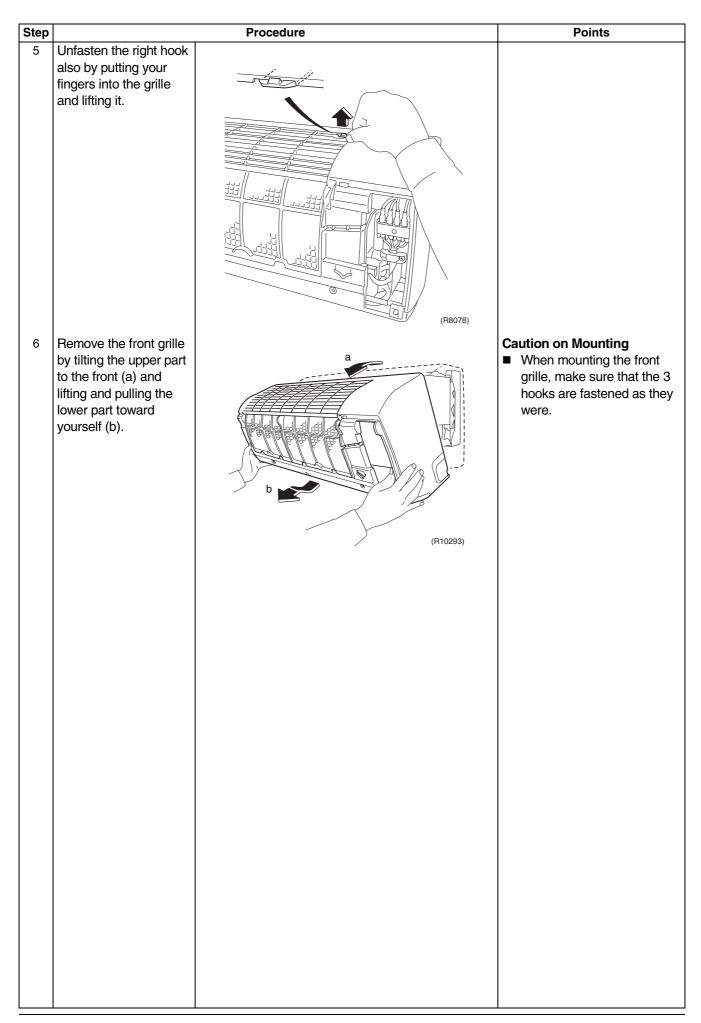
Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



Removal of Front Grille Si041050



Si041050 Removal of Front Grille

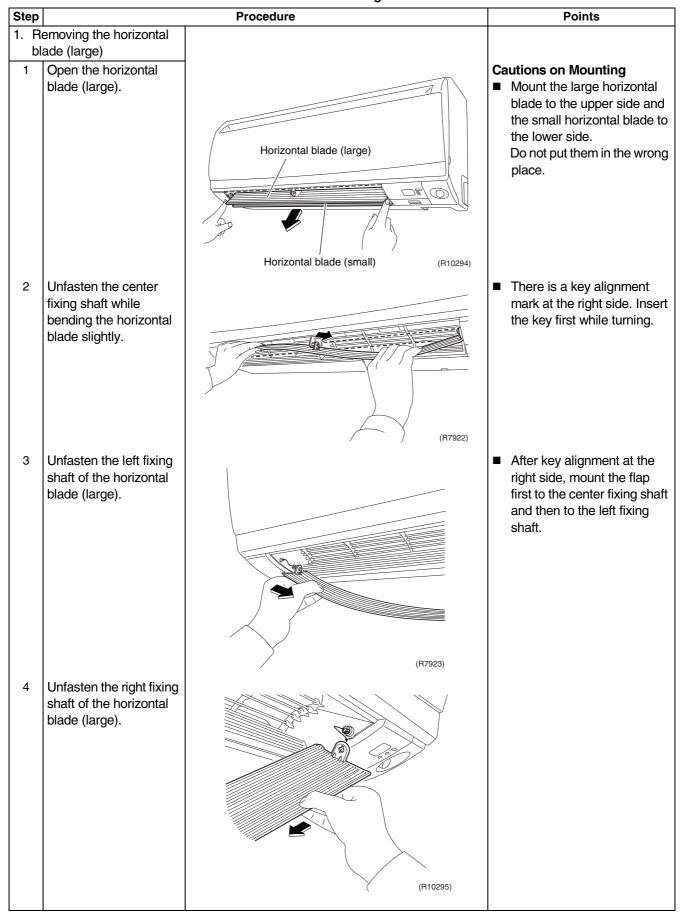


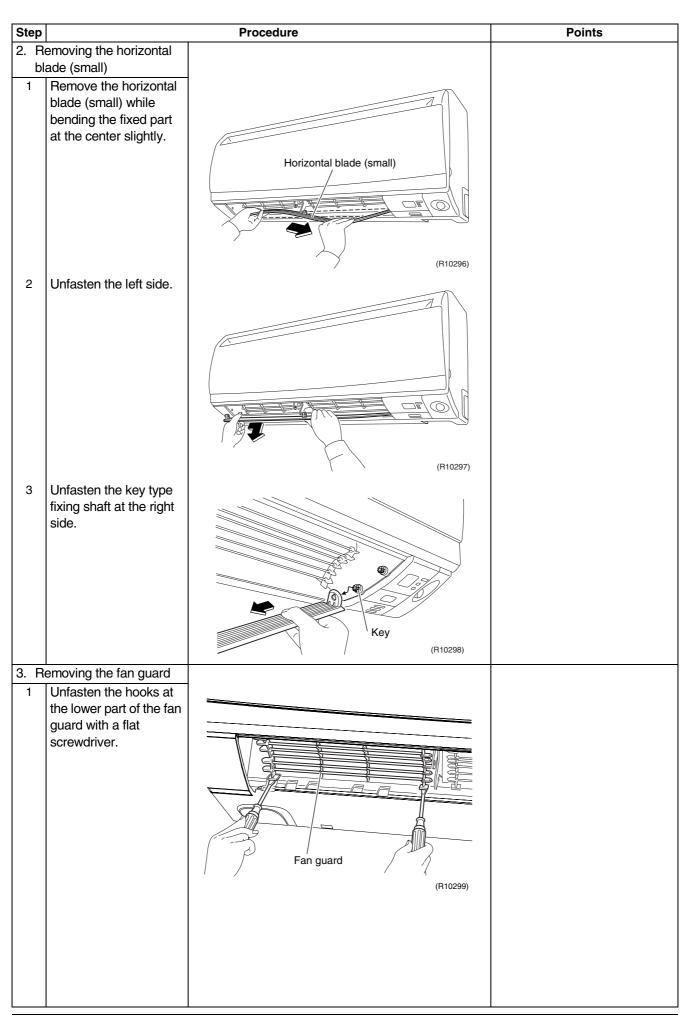
### 4. Removal of Horizontal Blades and Vertical Blades

### **Procedure**

Warning

Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.





| Step |   | Procedure            | Points |
|------|---|----------------------|--------|
| 2    | Remove the fan guard  |                      |        |
|      | toward yourself.  | (R10300)             |        |
|      | emoving the vertical ade  |                      |        |
| 1    | Detach the pivot from the interlock shaft for                           | Vertical blade Pivot |        |
|      | vertical blades by a flat screwdriver.                                  |                      |        |
| 2    | Remove the interlock rod.   | 1 (R10623)           |        |
| 3    | Unfasten the hooks at   | (R10302)             |        |
|      | the shaft mounting part<br>by pressing them with a<br>flat screwdriver. | (R10303)             |        |
|      |   |                      |        |

| 4 Unfasten the hooks at the upper 2 positions. □ Five vertical blades are united as a set.                         | p                   | tep | Step Procedure                             | Points   |
|--|---------------------|-----|--|--|
| Remove the vertical blade toward yourself.  The set of blades is not marked for difference between right and left. |                     |     | the upper 2 positions                      | united as a set.   |
|  | Remove the vertical | 5 I | Remove the vertical blade toward yourself. | <ul><li>(It is impossible to replace only one blade.)</li><li>The set of blades is not marked for difference</li></ul> |

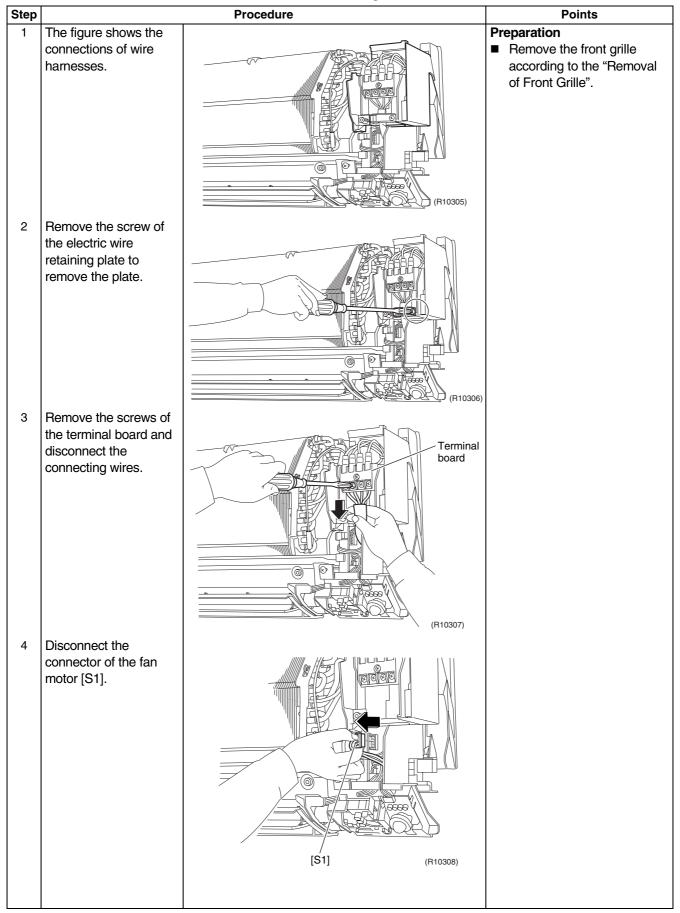
Removal of Electrical Box Si041050

## 5. Removal of Electrical Box

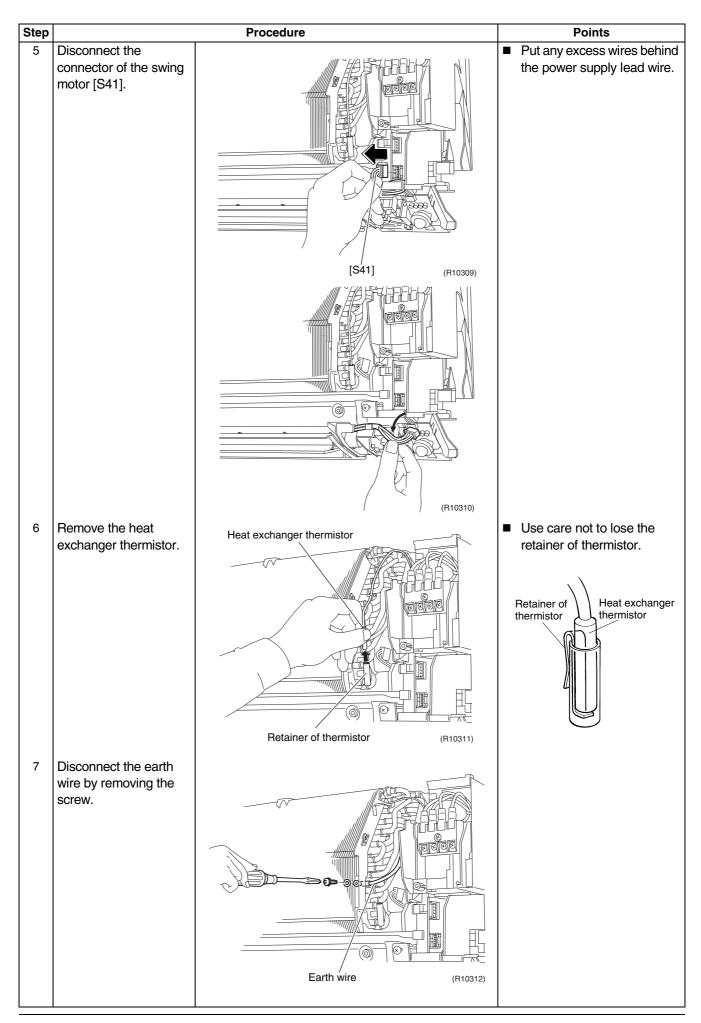
**Procedure** 

**!** Warning

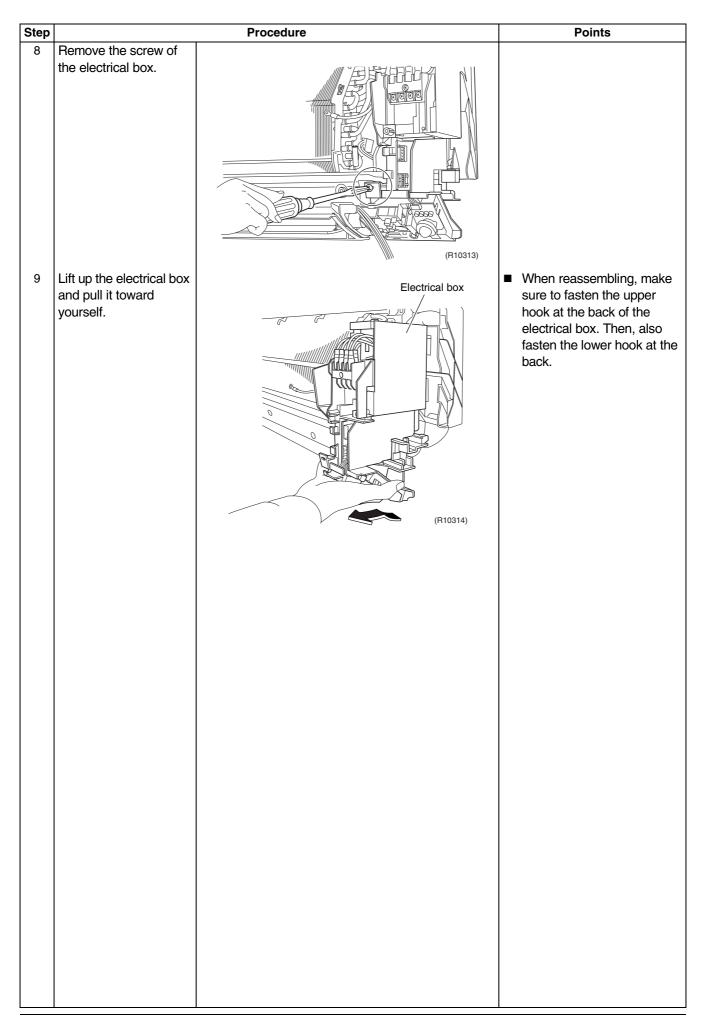
Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



Si041050 Removal of Electrical Box



Removal of Electrical Box Si041050



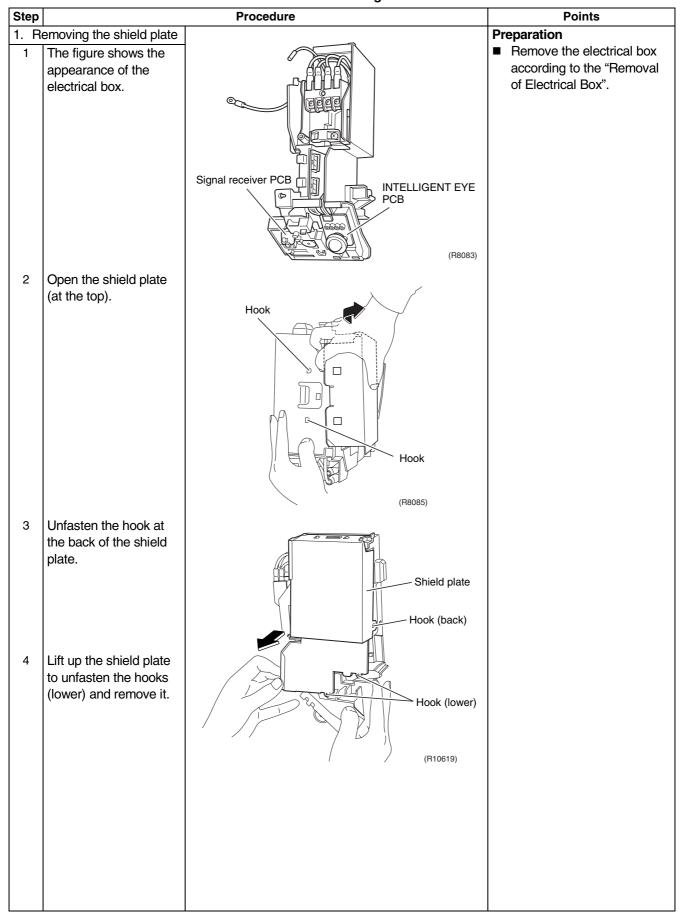
Si041050 Removal of PCBs

### 6. Removal of PCBs

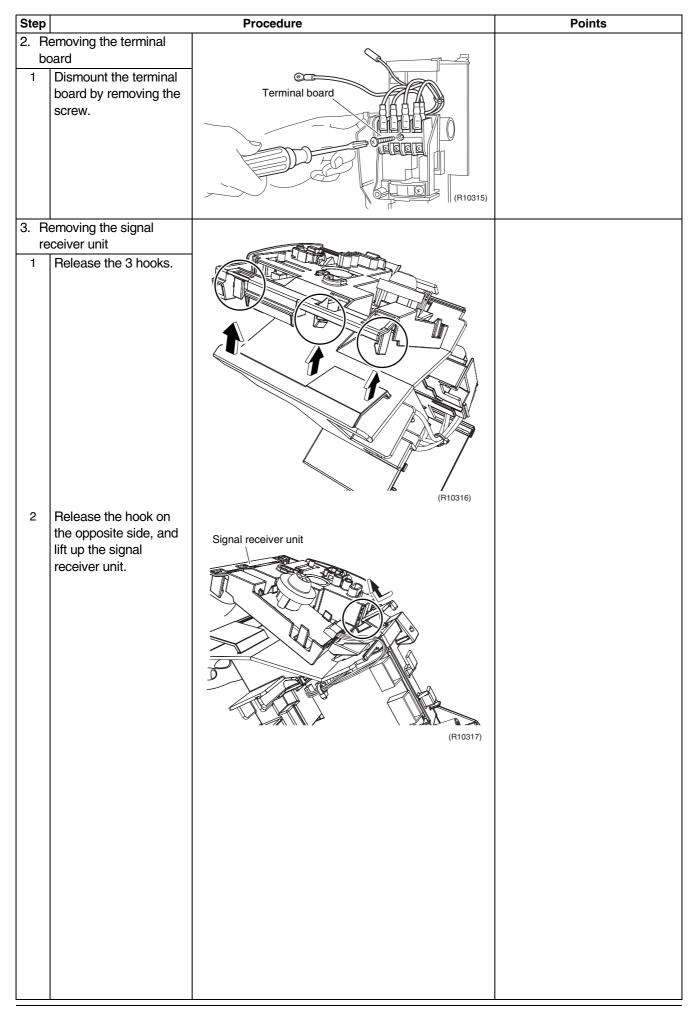
### **Procedure**

**Warning** 

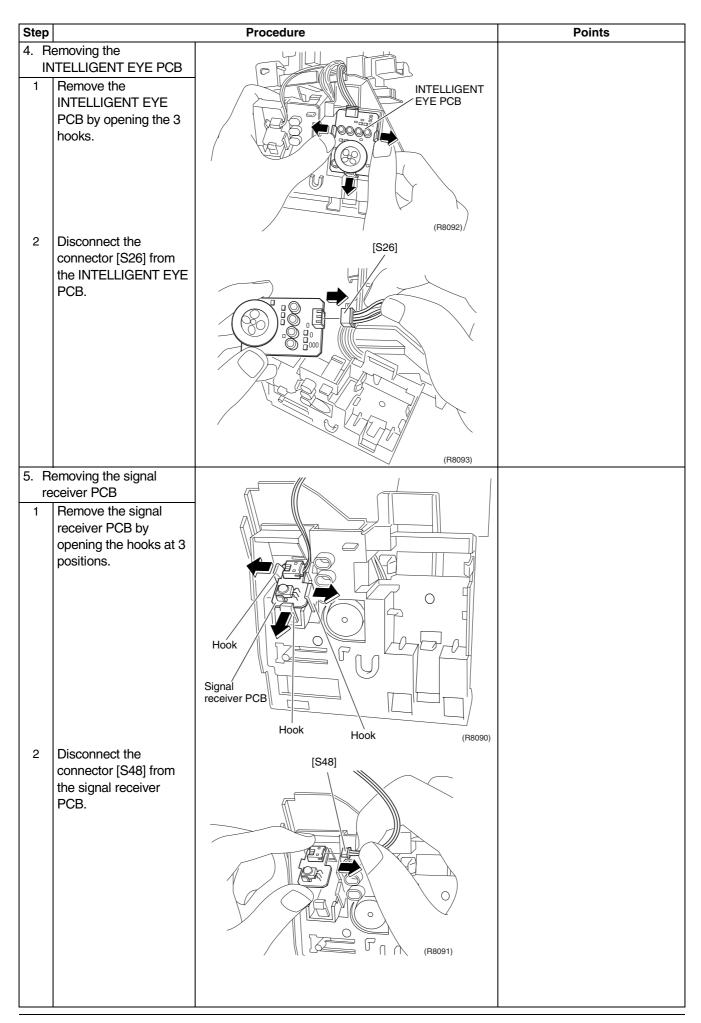
Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



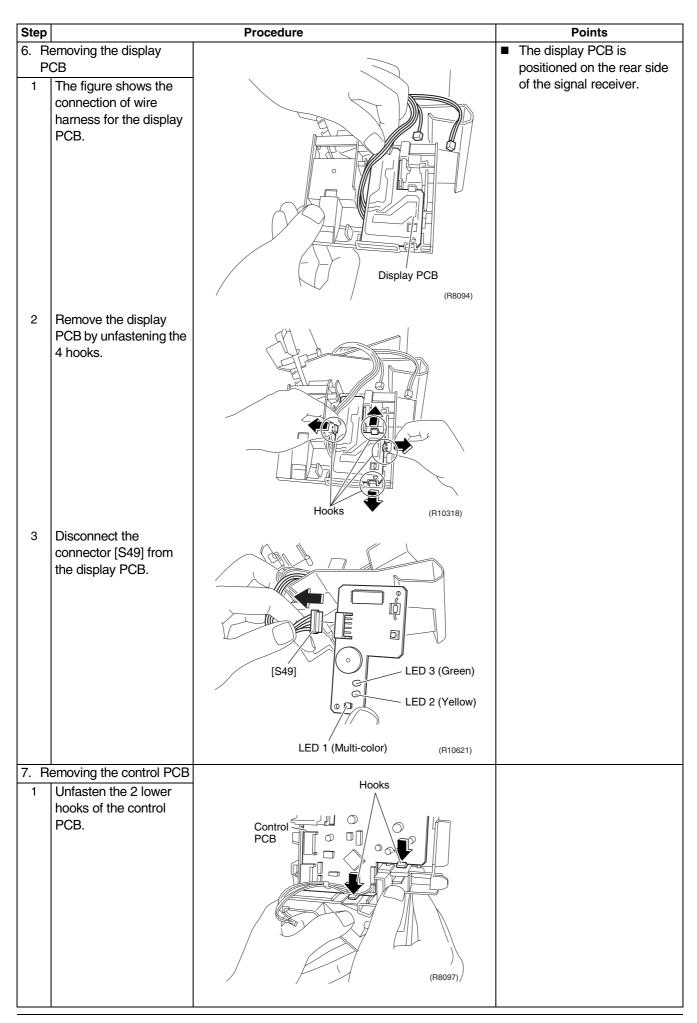
Removal of PCBs Si041050



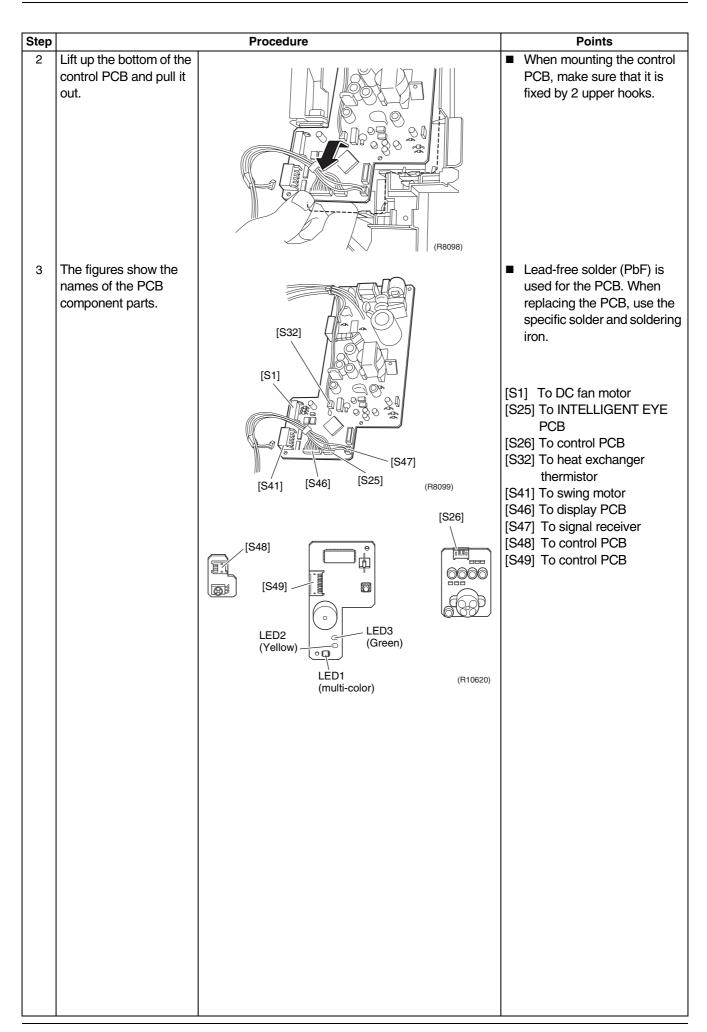
Si041050 Removal of PCBs



Removal of PCBs Si041050



Si041050 Removal of PCBs



## 7. Removal of Connecting Duct

### **Procedure**

**V** Warr

Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

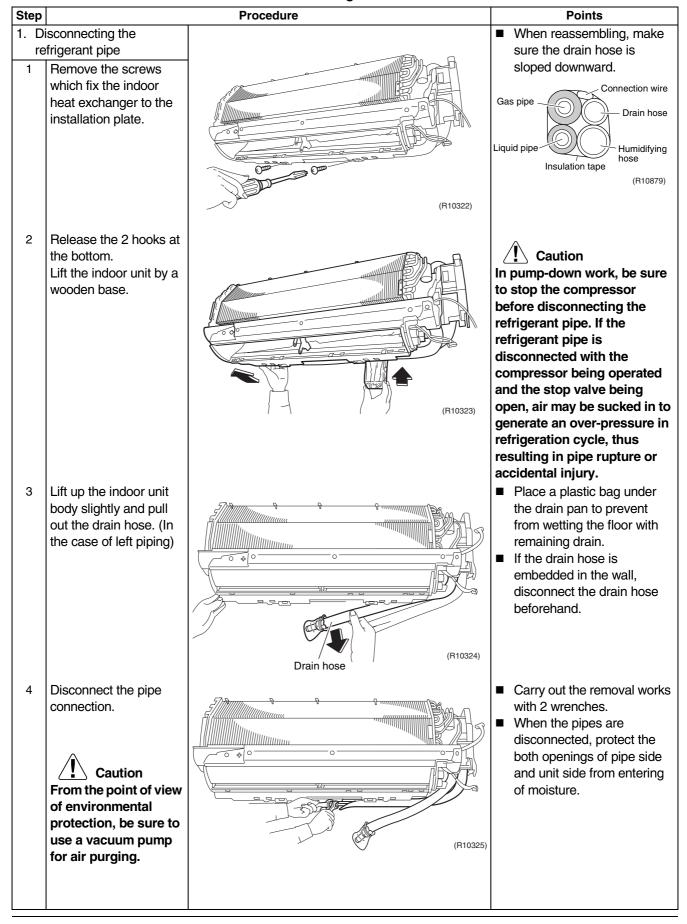
**Procedure Points** Step 1. Remove the connecting Preparation duct for humidifying hose ■ Remove the front grille according to "Removal of Detach the humidifying the Front Grille". hose from the duct unit. ■ Since inside of the connecting duct has projection hooks, shake the hose up and down to Humidifying remove. Rotate in the same direction as when assembling for easy removal. Alternate up and down (R10319) Remove the fixing 2 screw for the duct unit. Duct unit (R10320) Lift the right side to ■ When assembling, make undo the projection and sure to insert the projection slide to the left. into the fixing hole on the duct unit. Fixing hole (R10321) Projection

## 8. Removal of Indoor Heat Exchanger

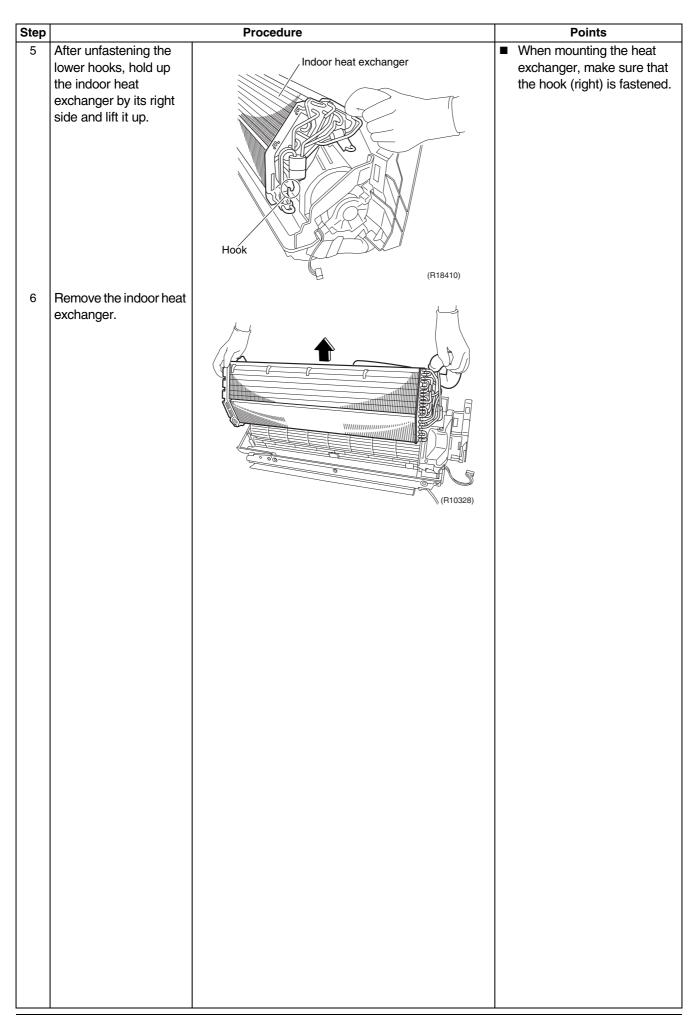
#### **Procedure**

/ Warning

Be sure to turn off all power supplies at least 10 minutes before disassembling work.



| Cton        |   | Procedure                     | Points  |
|-------------|---|-------------------------------|---|
| Step<br>2 B | <br>Removing the indoor heat  | riocedule                     | Preparation Points  |
|             | Unfasten the hook of the pipe fixing plate at the back of the unit and pull out the pipe. | Pip fixing plate              | Remove the indoor unit from the installation plate.   |
| 2           | Slightly widen the auxiliary pipe.  | (R10622)                      | Caution When dismounting or mounting the indoor heat exchanger, be sure to wear gloves or wrap it with cloth before proceeding to the work. (You may be injured by the fins.) |
| 3           | Remove the 2 screws on the left side of the unit.   | (R10543)                      |   |
| 4           | Unfasten the lower hook on the right side of the unit with a flat screwdriver.            | (R10546)  Lower hook (R10326) |   |



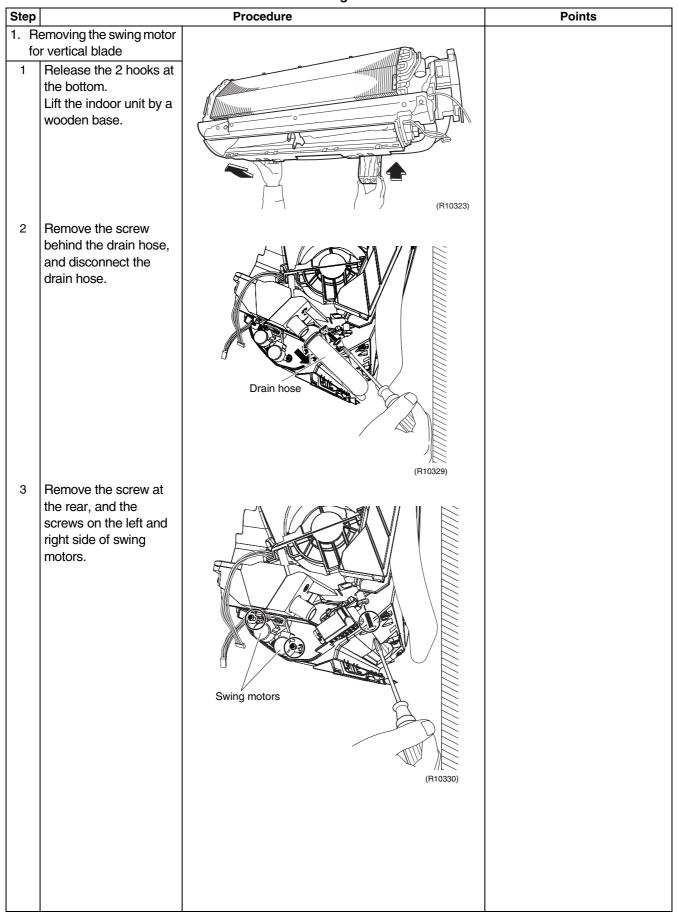
Removal of Swing Motor Si041050

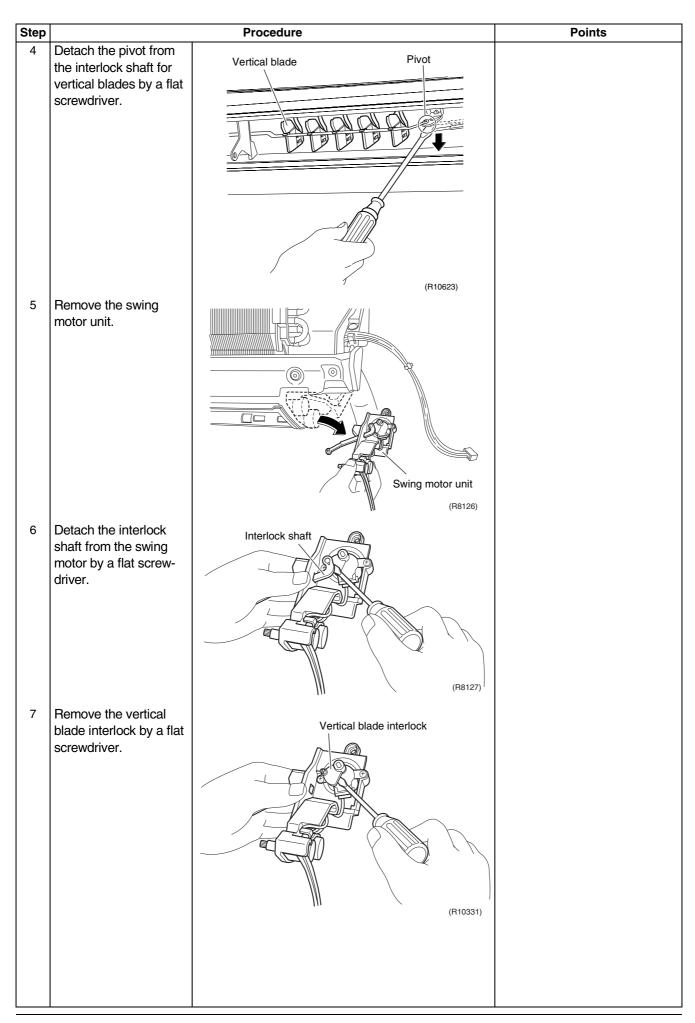
# 9. Removal of Swing Motor

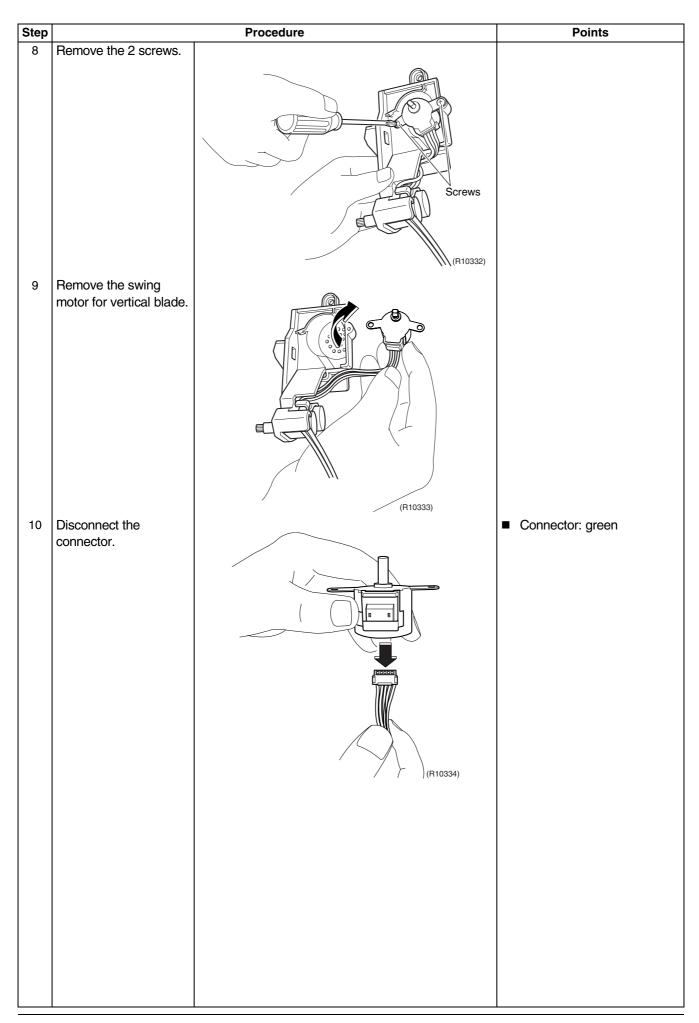
**Procedure** 

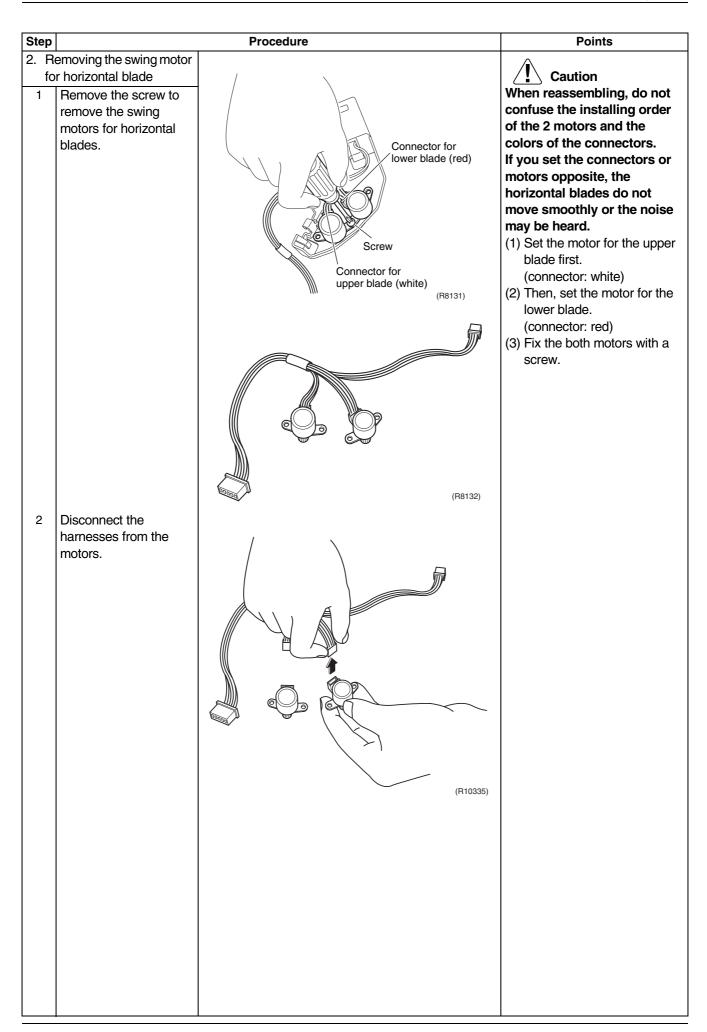
/ Warning

Be sure to turn off all power supplies at least 10 minutes before disassembling work.









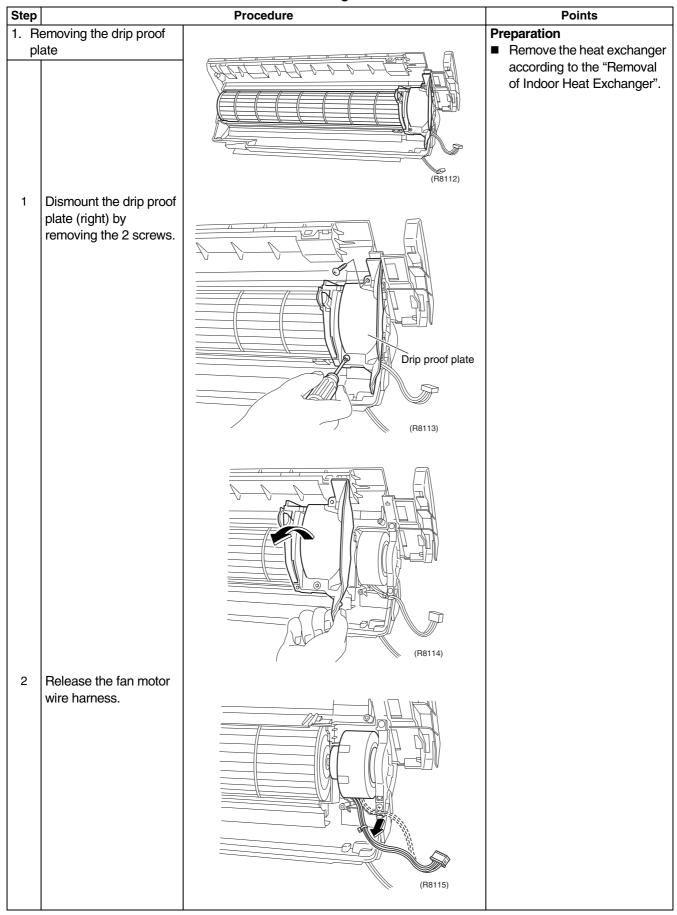
Removal of Fan Rotor Si041050

### 10.Removal of Fan Rotor

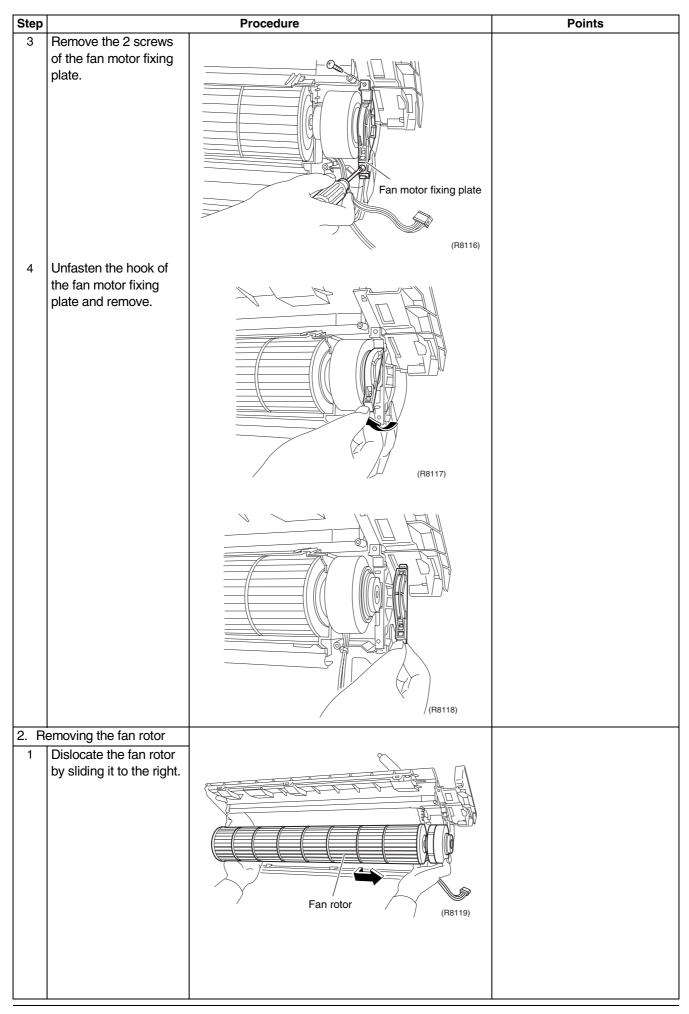
**Procedure** 

/ Warning

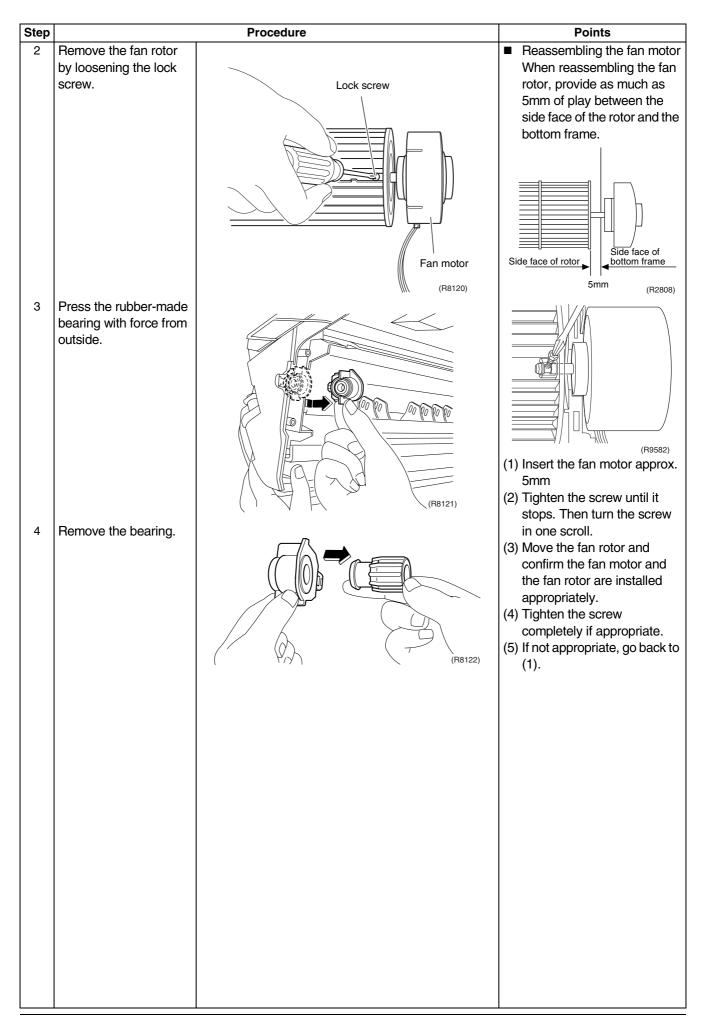
Be sure to turn off all power supplies at least 10 minutes before disassembling work.



Si041050 Removal of Fan Rotor



Removal of Fan Rotor Si041050



# **Revision History**

| Month / Year | Version  | Revised contents |
|--------------|----------|------------------|
| 01 / 2013    | Si041050 | First edition    |



- Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

### **Cautions on product corrosion**

- 1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
- 2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Dealer

#### DAIKIN INDUSTRIES, LTD.

Head Office:

Umeda Center Bldg., 2-4-12, Nakazaki-Nishi, Kita-ku, Osaka, 530-8323 Japan

Tokyo Office:

JR Shinagawa East Bldg., 2-18-1, Konan, Minato-ku, Tokyo, 108-0075 Japan

http://www.daikin.com/global\_ac/

@All rights reserved