




REMOVAL PROCEDURE



S E R V I C E M A N U A L

2.5/3.5/5.0/6.0 kW Class

-  Indoor Unit
-  Inverter
-  Floor / Ceiling Suspended
Dual Type



Service Manual Removal Procedure

Indoor Unit

●Heat Pump

**FLXS25BAVMB
FLXS35BAVMB
FLXS35BAVMB9
FLXS50BAVMB**

FLXS25BVMA

**FLXS35GVMA
FLXS50GVMA
FLXS60GVMA**

Table of Contents

| | |
|--|----|
| 1. Air Filters / Front Grille | 2 |
| 2. Front Panel..... | 4 |
| 3. Horizontal Blade..... | 6 |
| 4. Signal Receiver Unit / Swing Motor..... | 7 |
| 5. Discharge Grille..... | 8 |
| 6. Drain Pan | 9 |
| 7. PCBs / Electrical Box | 10 |
| 8. Fan Rotor / Fan Motor..... | 12 |
| 9. Indoor Heat Exchanger | 14 |



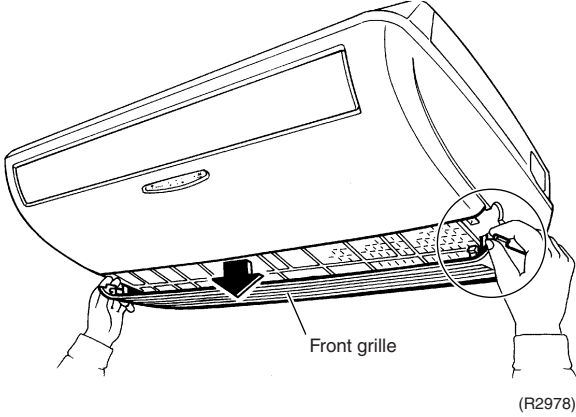
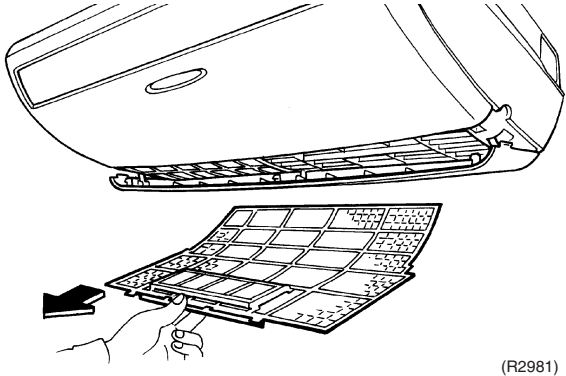
Note: ♦ The illustrations may be slightly different depending on the model.

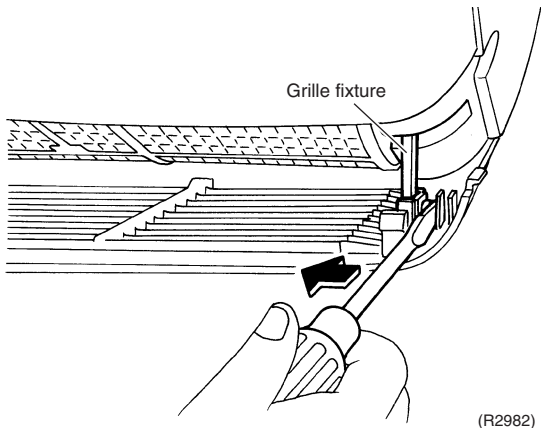
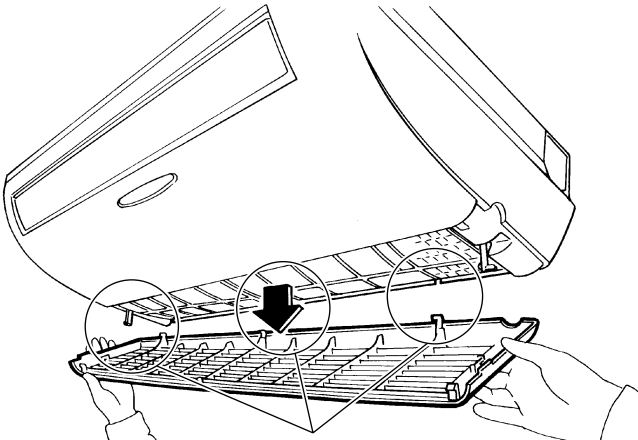
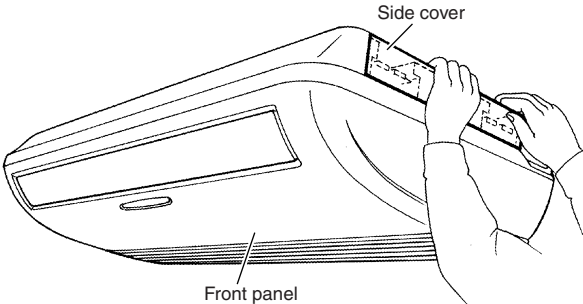
1. Air Filters / Front Grille



Warning

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

| Step | Procedure | Points |
|----------------------------|--|--|
| 1. Remove the air filters. | <p data-bbox="153 409 169 432">1</p> <p data-bbox="197 409 456 506">Pull the protrusions on the both sides of the front grille and open it.</p>  <p data-bbox="1010 792 1066 813">(R2978)</p> <p data-bbox="153 842 169 864">2</p> <p data-bbox="197 842 443 965">Hold the tab at the center of the air filter frame and pull the air filter forward.</p>  <p data-bbox="999 1218 1054 1238">(R2981)</p> <p data-bbox="153 1010 169 1032">3</p> <p data-bbox="197 1010 448 1106">Pull the air filter along the guide and remove it.</p> | <p data-bbox="1094 842 1445 938">■ Installing air filters can be done easily by sliding along the guide.</p> |

| Step | Procedure | Points |
|-----------------------------|---|---|
| 2. Remove the front grille. | <p data-bbox="150 248 443 376">1 Remove the 2 grille fixtures (right and left sides), using a flat screwdriver.</p>  <p data-bbox="150 707 443 801">2 To remove the front grille, unfasten the 3 hooks.</p>  | |
| 3. Remove the side cover. | <p data-bbox="150 1279 469 1308">1 Remove the side cover.</p>  | <ul style="list-style-type: none"> <li data-bbox="1094 1245 1457 1435">■ If it is difficult to remove the side cover from outside with fingers, remove the front panel first, then push the side cover from inside to outside. |

2. Front Panel



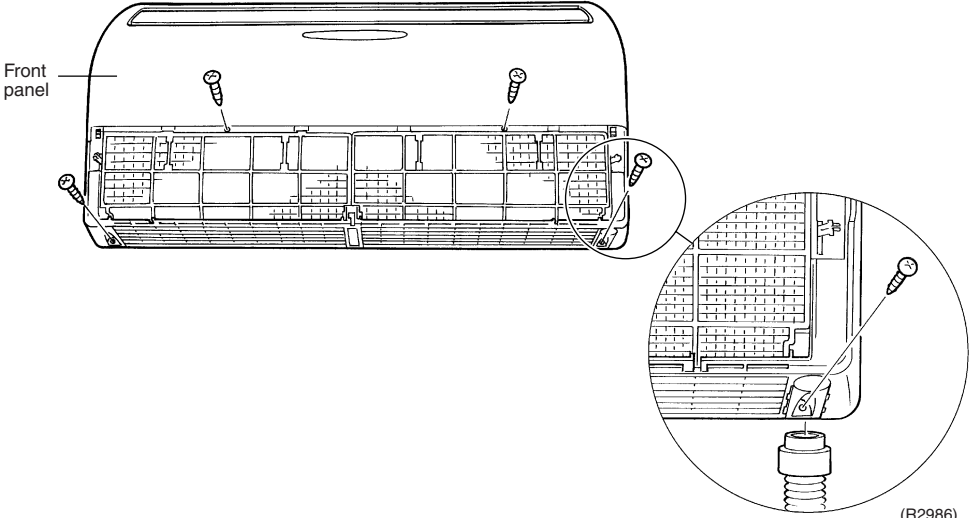
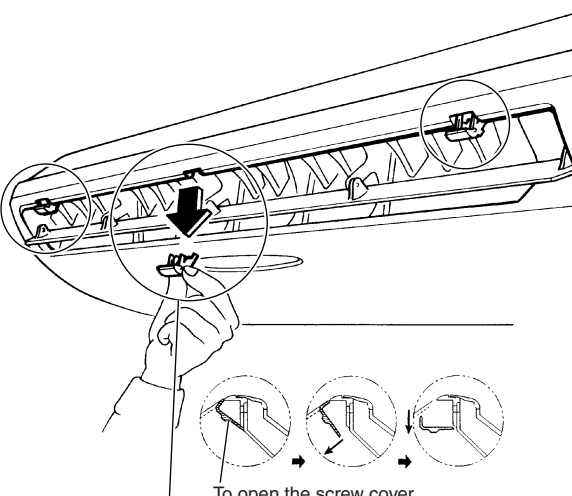
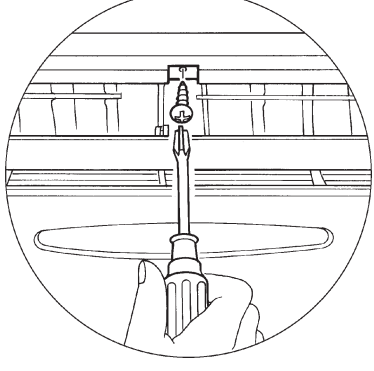
Warning

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

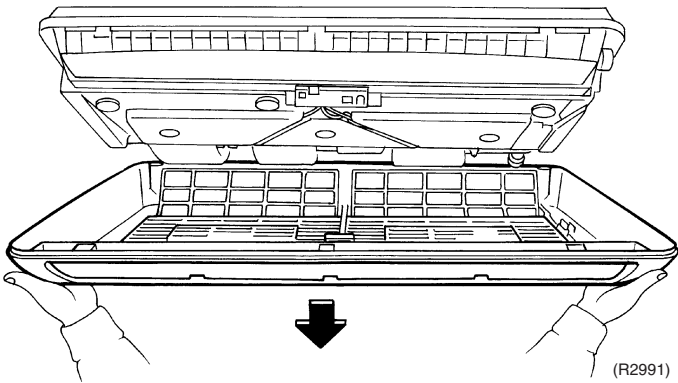
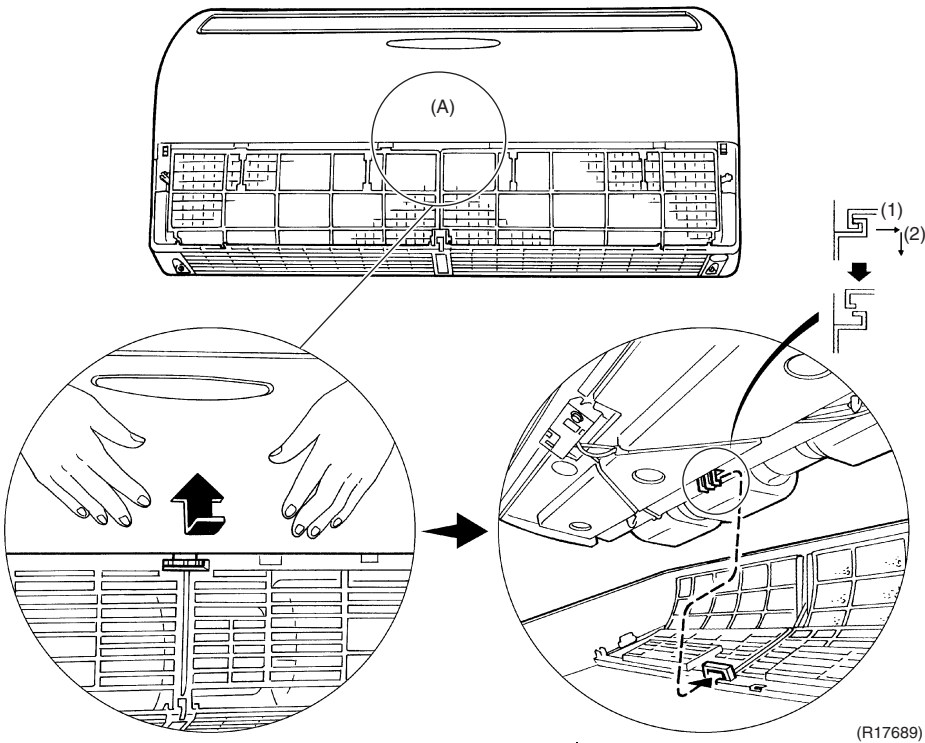
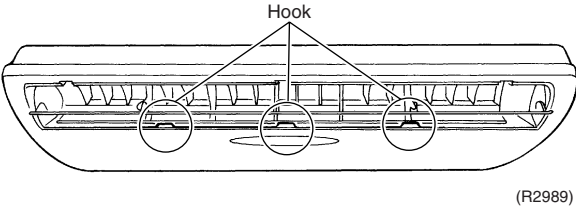


Caution

- ◆ For ceiling suspended type, be careful that the front panel may fall when the hooks are disengaged. To prevent the front panel from falling down, this work should be done by 2 persons.

| Step | Procedure | Procedure | Points |
|------|--|---|---|
| 1 | Remove the 4 screws of the front panel. |  <p style="text-align: right;">(R2986)</p> | <ul style="list-style-type: none"> ■ For the ceiling suspended type, remove drain hose before removing the screws. |
| 2 | Remove the 3 screw covers at the front of the front panel. |  <p style="text-align: center;">To open the screw cover</p> | |
| 3 | Remove the 3 screws. |  <p style="text-align: right;">(R17923)</p> | |

| Step | Procedure | Points |
|------|---|--------|
| 4 | Unfasten the 3 hooks of the front panel. | |
| 5 | Press (A) section slightly at the center of the front panel, and unfasten the hook. | |
| 6 | Remove the front panel. | |

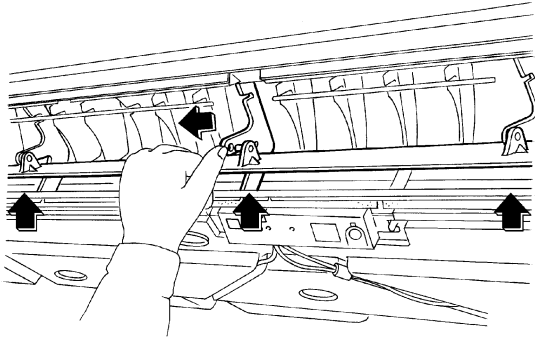
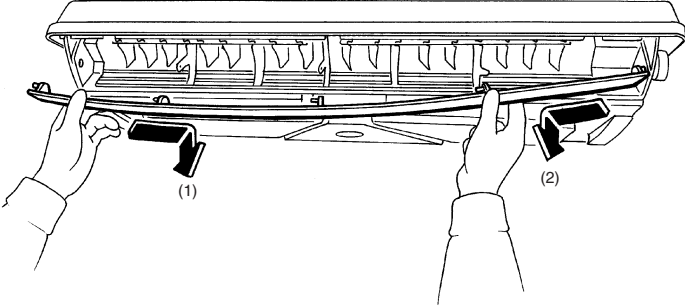


3. Horizontal Blade



Warning

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

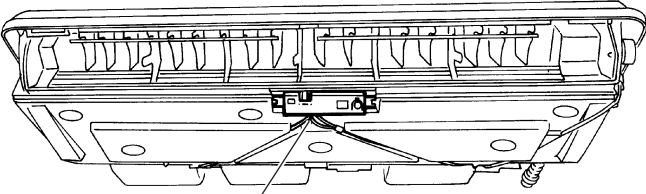
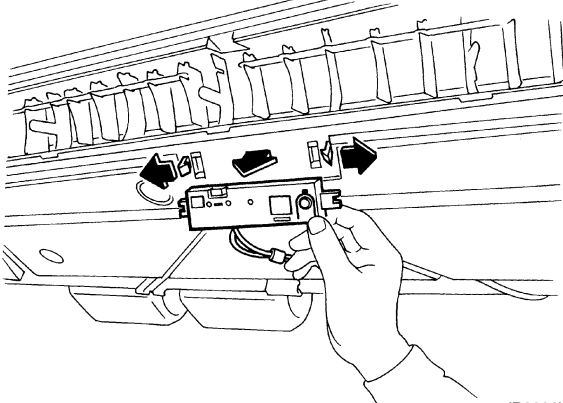
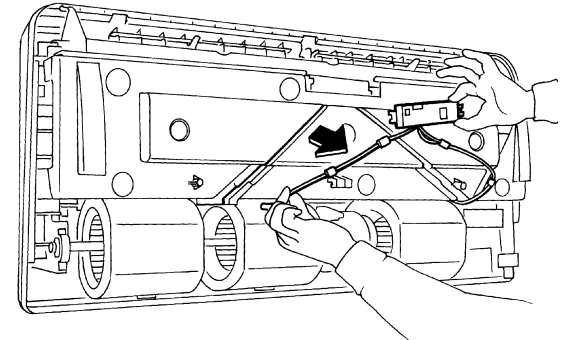
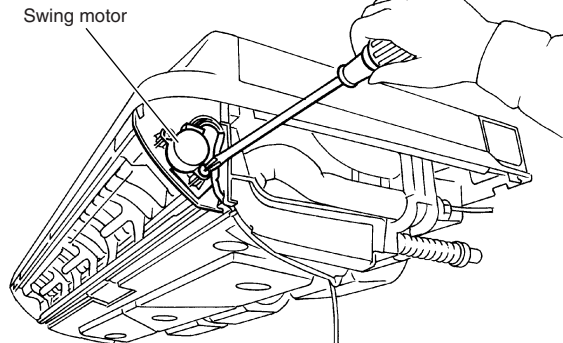
| Step | Procedure | Points |
|--|---|--------|
| <p>1 Open the horizontal blade.</p> <p>2 Deflect the 3 center bearings to the left side slightly, and release the shafts of the horizontal blade.</p> <p>3 Bend the horizontal blade slightly to release the shafts from the bearings at the both ends. (Release the left side shaft first.)</p> |  <p style="text-align: right;">(R2993)</p>  <p style="text-align: right;">(R14198)</p> | |

4. Signal Receiver Unit / Swing Motor



Warning

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

| Step | Procedure | Points |
|---|--|---|
| 1. Remove the signal receiver unit. |  <p style="text-align: center;">Signal receiver unit</p> <p style="text-align: right;">(R2995)</p> | <p>■ Rearrange the wire harness in position as it was when reassembling signal receiver unit.</p> |
| 1 Unfasten the 2 hooks (right and left sides) to remove the signal receiver unit. |  <p style="text-align: right;">(R2996)</p> | |
| 2 Remove the wire harness of the signal receiver unit from the groove. |  <p style="text-align: right;">(R2997)</p> | |
| 2. Remove the swing motor. |  <p style="text-align: center;">Swing motor</p> <p style="text-align: right;">(R2998)</p> | |

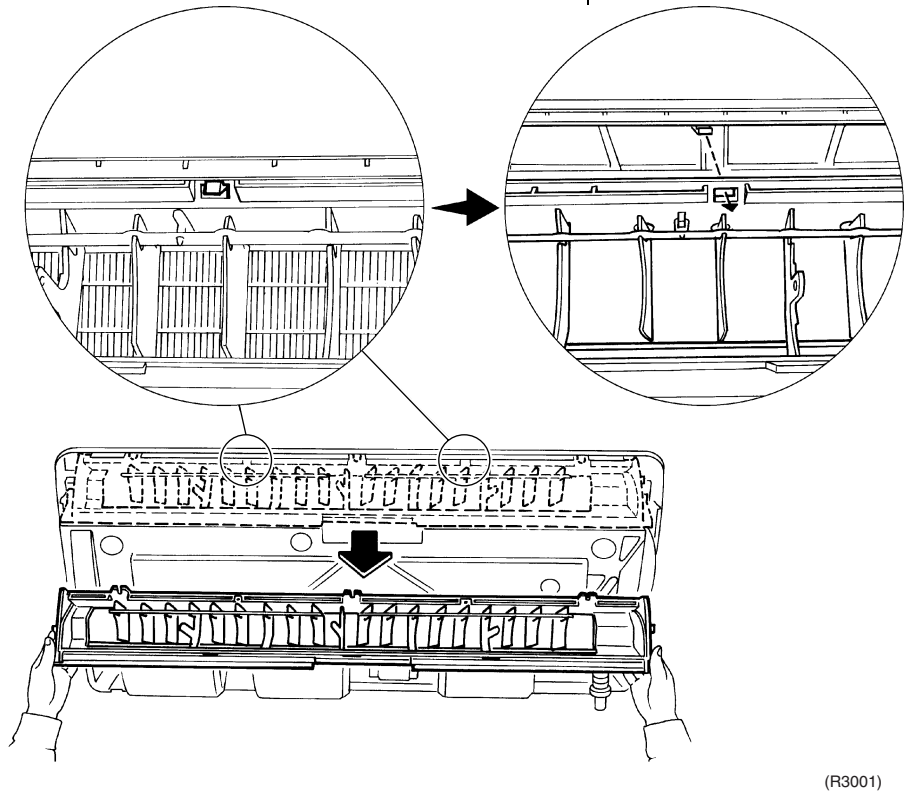
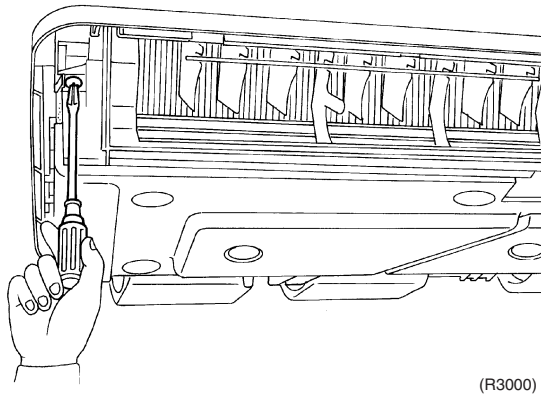
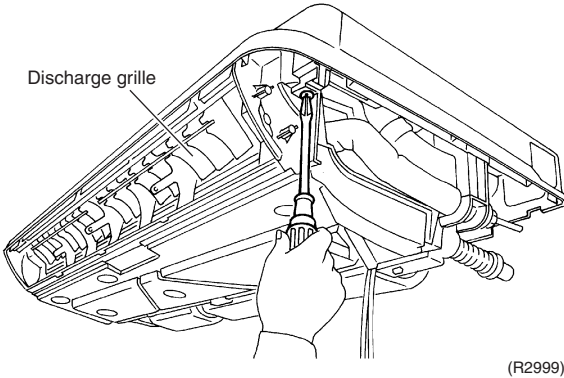
5. Discharge Grille



Warning

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

| Step | Procedure | Points |
|------|--|--------|
| 1 | Remove the 2 screws on both sides. | |
| 2 | Unfasten the 2 hooks (right and left sides) and remove the discharge grille by pulling it forward. | |



6. Drain Pan



Warning

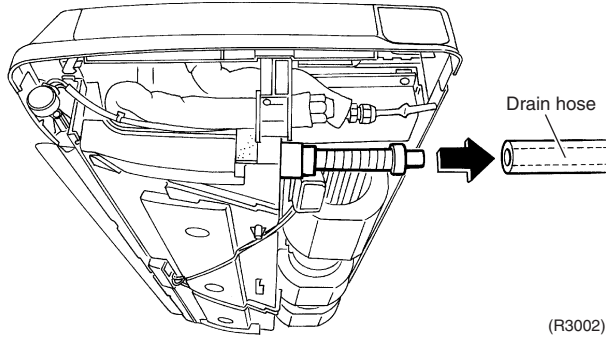
- ◆ Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



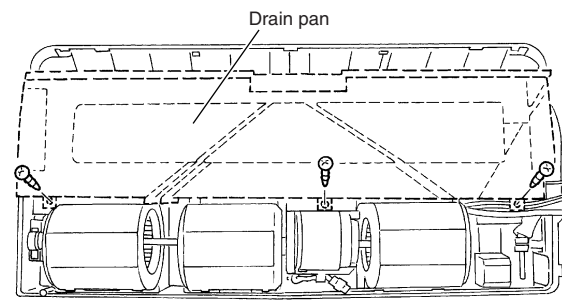
Caution

- ◆ Be careful not to wet the floor with drain water.

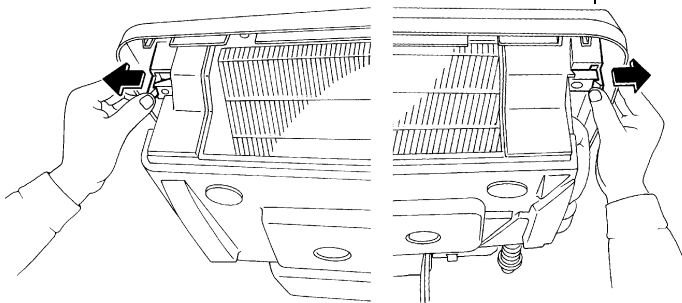
| Step | Procedure | Points |
|------|---|--------|
| 1 | Disconnect the drain hose. | |
| 2 | Remove the 3 screws securing the suction side of the drain pan. | |
| 3 | Unfasten the 2 hooks located at both sides. | |
| 4 | Slide the drain pan toward the suction side and remove it. | |



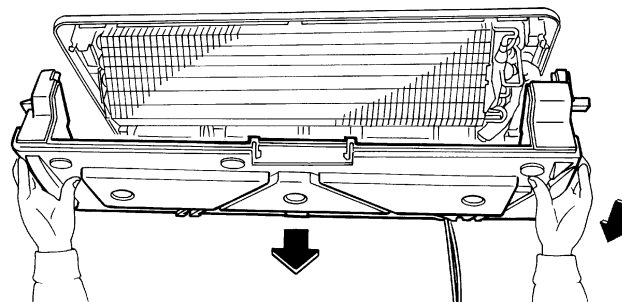
(R3002)



(R3003)



(R3004)



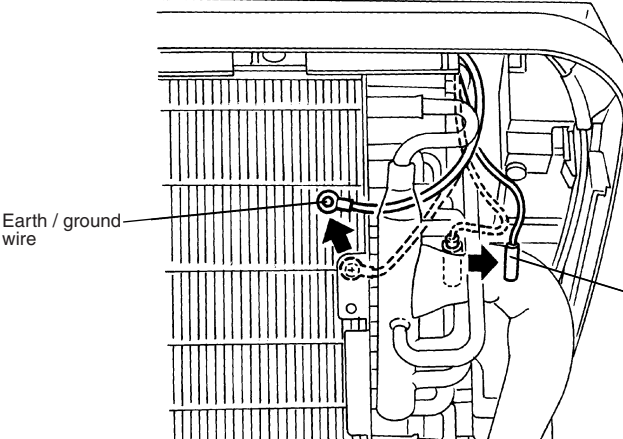
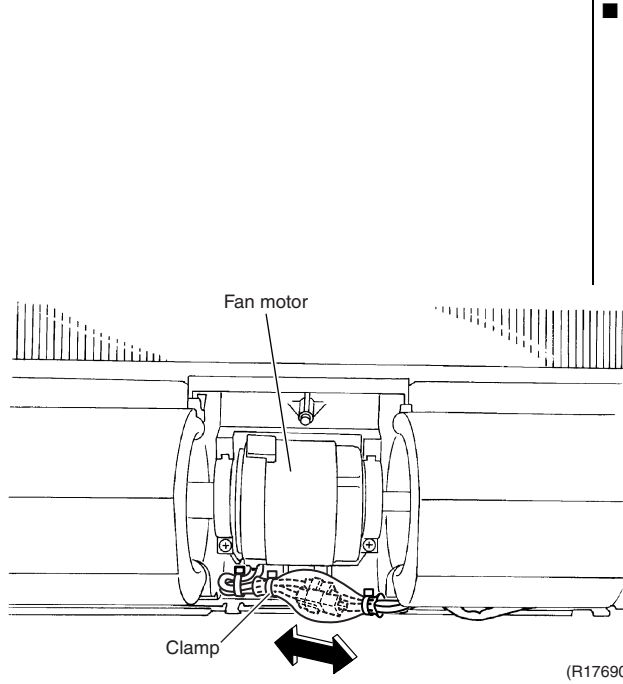
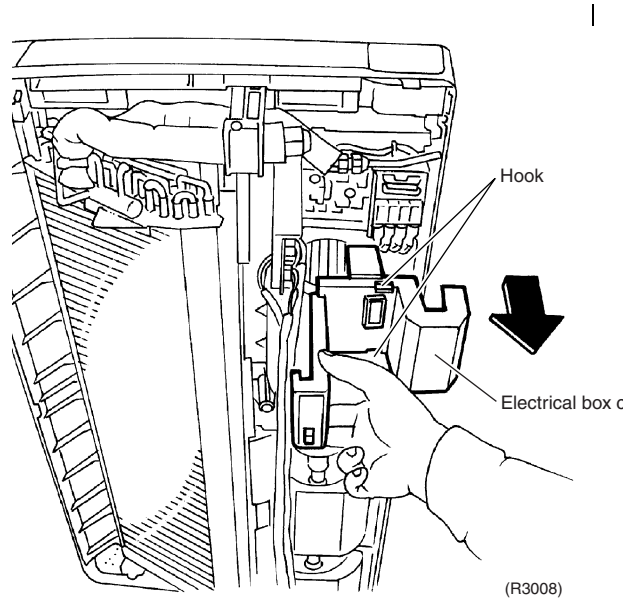
(R3005)

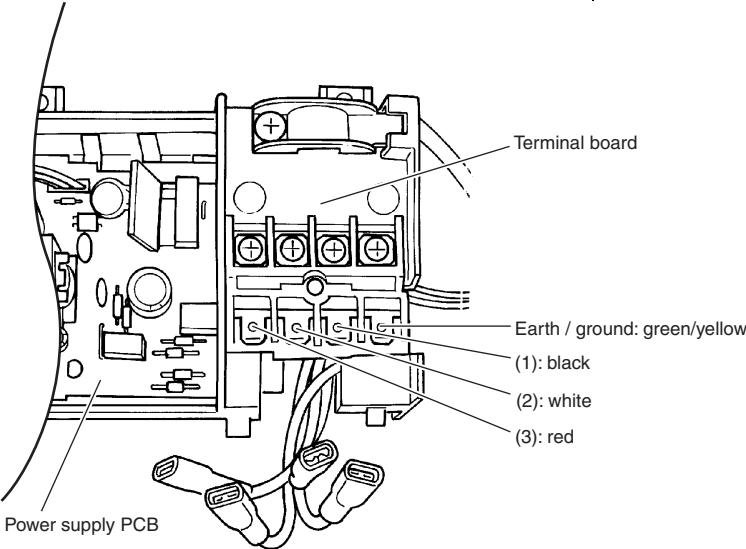
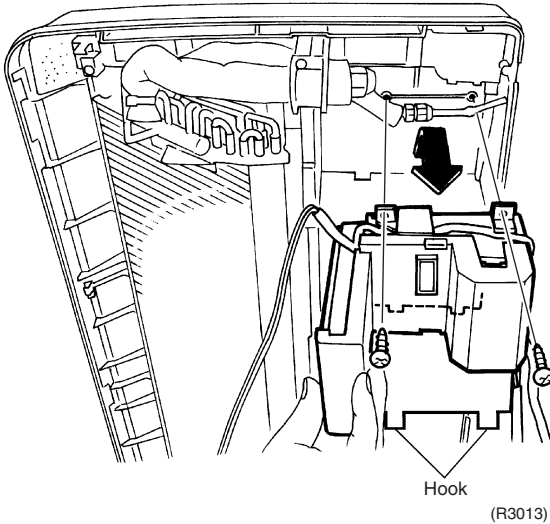
7. PCBs / Electrical Box



Warning

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

| Step | Procedure | Points |
|---------------------|---|--|
| 1. Remove the PCBs. | | |
| 1 | Disconnect the earth / ground wire and pull out the indoor heat exchanger thermistor. |  <p style="text-align: right;">(R19552)</p> |
| 2 | Cut the clamp and disconnect the 2 relay harnesses at the rear side of the fan motor. | <p>■ Clamp the harnesses and wires with clips as they were when reassembling. Negligence of above procedure may result in catching wire with the front panel and may cause malfunction.</p>  <p style="text-align: right;">(R17690)</p> |
| 3 | Remove the electrical box cover. (Unfasten the 2 hooks.) |  <p style="text-align: right;">(R3008)</p> |

| Step | Procedure | Points |
|-------------------------------|--|--|
| 4 | Remove the control PCB. | Power supply PCB |
| 5 | Disconnect the terminals from the terminal board. | (R3009) |
| 6 | Remove the power supply PCB. | Terminal board |
| |  <p data-bbox="1007 1016 1241 1151">Earth / ground: green/yellow (1): black (2): white (3): red</p> <p data-bbox="491 1211 651 1234">Power supply PCB</p> | (R19553) |
| 2. Remove the electrical box. | <p data-bbox="153 1346 456 1375">1 Remove the 2 screws.</p> <p data-bbox="153 1413 456 1608">2 Remove the electrical box by sliding it to unfasten the 2 hooks located at the opposite side of the electrical box.</p> | <p data-bbox="1091 1308 1453 1402">■ Slide the electrical box to the right side first to unfasten the hooks.</p> |
| |  <p data-bbox="922 1823 970 1845">Hook</p> <p data-bbox="991 1845 1050 1868">(R3013)</p> | |

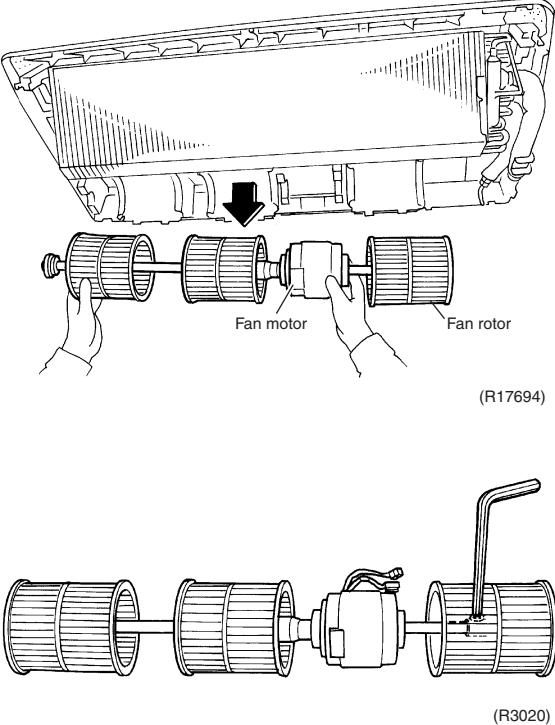
8. Fan Rotor / Fan Motor



Warning

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

| Step | Procedure | Points |
|------|---|-----------------------------|
| 1 | Remove the 3 fan rotor covers. (Securing hooks are located at A and B-section.) | <p>Opposite side</p> |
| 2 | Remove the 2 screws to remove the fan motor fixtures. | |
| 3 | Remove the screw to remove the bearing fixture. | |

| Step | Procedure | Points |
|---|---|--------|
| 4 | Release the shaft supporting section using a hexagonal wrench (for M6) to remove the fan motor. | |
|  <p>The diagram illustrates the removal of the fan motor from the fan rotor assembly. The top part shows the fan rotor being inserted into the fan motor housing. The bottom part shows the fan motor being removed from the fan rotor using a hexagonal wrench.</p> <p>(R17694)</p> <p>(R3020)</p> | | |

9. Indoor Heat Exchanger



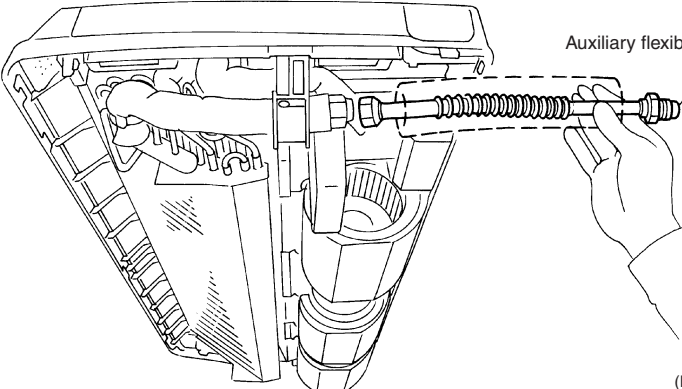
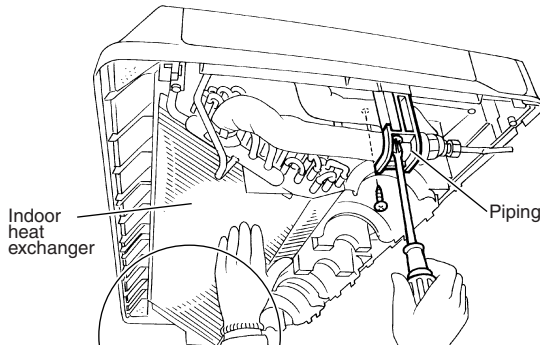
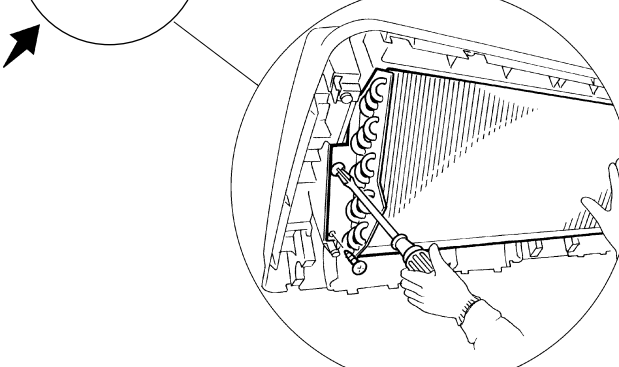
Warning

- ◆ Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- ◆ In pump-down work, be sure to stop the compressor before disconnecting the refrigerant pipe. If the refrigerant pipe is disconnected with the compressor operating and the stop valve open, air may be sucked in and may generate an over-pressure in refrigeration cycle, thus resulting in pipe rupture or accidental injury.
- ◆ When removing or reinstalling the indoor heat exchanger, be sure to wear gloves or wrap the indoor heat exchanger with cloths. (You may be injured by the fins.)

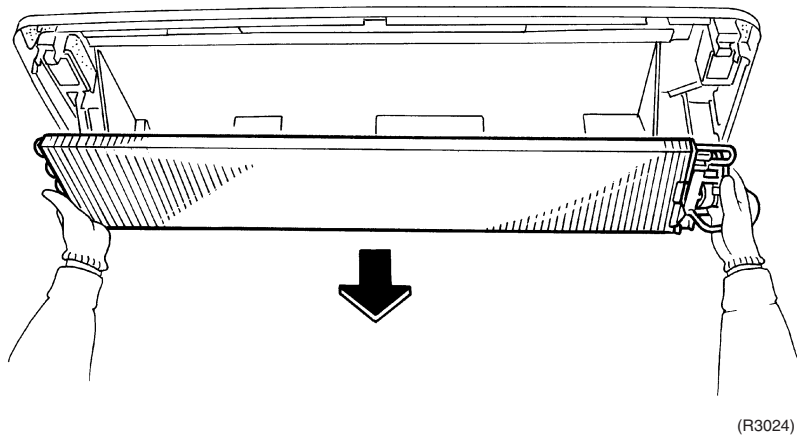
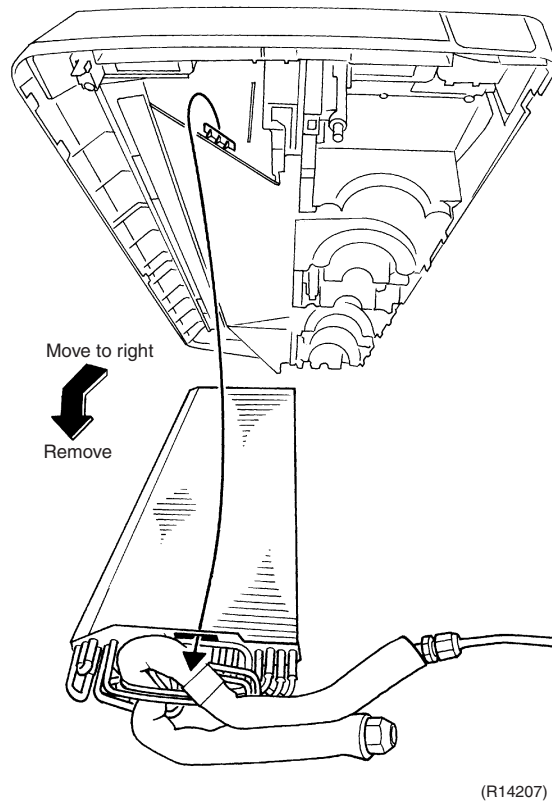


Caution

- ◆ Be sure to conduct pump down operation before disassembling the refrigerant pipe.
- ◆ If the refrigerant leaks, repair the spot of leaking, then collect all refrigerant from the unit. After conducting vacuum drying, recharge proper amount of refrigerant.
- ◆ From the viewpoint of global environmental protection, make sure to use a vacuum pump for air purging.
- ◆ To prevent the indoor heat exchanger from falling down, the work should be done by 2 persons.

| Step | Procedure | Procedure | Points |
|------|--|---|--------|
| 1 | Disconnect the auxiliary flexible tube. |  <p style="text-align: right;">(R3021)</p> | |
| 2 | Remove the 2 screws of the piping fixture. |  | |
| 3 | Remove the 2 screws at the left side of the indoor heat exchanger. |  <p style="text-align: right;">(R18218)</p> | |

| Step | Procedure | Points |
|------|---|--------|
| 4 | Unfasten the hook located on the right side behind the indoor heat exchanger. | |
| 5 | Slide the indoor heat exchanger to the right to release the hook. | |
| 6 | Remove the indoor heat exchanger. | |



Revision History

| Month / Year | Version | Revised contents |
|--------------|------------|-----------------------------------|
| 09 / 2012 | Si051261 | First edition |
| 11 / 2012 | Si051261_A | Model addition: FLXS25/35/50BAVMB |
| 12 / 2013 | Si051261EB | Model addition: FLXS35BAVMB9 |

Warning



- 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

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