# REMOVAL PROCEDURE <br> <br>  <br> <br> ComatComat S ERVICEMANUAL 

## 2.5/3.5 kW Class 9000 Btu/h Class

Outdoor Unit
(4) Non-Inverter
(8) Pair Type


# Service Manual Removal Procedure 

## Outdoor Unit

Applicable Models

- Cooling Only

RE09MV2S
RE09NV2S
RE25KV1
RE35KV1
RE25KV14
RE35KV14
RE25LV1V RE35LV1V

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

## 1. Removal of Outer Panels

Procedure

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

| Step |  | Procedure | Points |
| :---: | :---: | :---: | :---: |
| 1 | Appearance features | (R10742) <br> (R10743) | Take care not to cut your finger by the fins of the outdoor heat exchanger. |
| 2 | Remove the screw of the stop valve cover. Pull down and remove the stop valve cover. |  | The stop valve cover is united with the shield plate. When reassembling, make sure to fit the 3 hooks. |



## 2. Removal of Outdoor Fan / Fan Motor

Procedure

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

Step | Remove the nut of the |
| :--- |
| outdoor fan. |
| Remove the outdoor |
| fan. |
| Cut |

| Step |
| :--- | :--- | | Pull out the terminal |
| :--- |
| (black) from the |
| terminal board X1M (2). |
| Pull out the 2 terminals |
| (red, white) from the fan |
| capacitor (C2R). |

Step
Remove the fan motor
fixing frame.
Remove the 3 screws
and remove the fan
motor.
Release the harness
from the hooks.

## 3. Removal of Electrical Components

Procedure

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

Step
1
Remove the 3 screws
and disconnect the
connecting wire.
Remove the screw and
remove the wire clamp.
Remove the screw on
the rear side.
Lift up the guard net
and remove it.

| Step |  | Procedure | Points |
| :---: | :---: | :---: | :---: |
| 5 | Remove the 4 screws on the right side. |  |  |
| 6 | Unfasten the hook of the right side panel. |  | When reassembling, make sure to fit the hook. |
| 7 | Remove the right side panel. |  |  |


| Step |
| :--- | :--- |
| 8 |
| Remove the screw of |
| the terminal board. |
| Detach the fixing plate. |


| Step |  | Procedure | Points |
| :---: | :---: | :---: | :---: |
| 12 | Pull out the 3 terminals from the compressor capacitor (C1R). |  | Refer to the next page for wiring. |
| 13 | Pull out the terminal (red) from the fan capacitor (C2R). |  | Fan capacitor (C2R) <br> to terminal board X1M(1): red <br> (R16375) |
| 14 | Pull out the harnesses from the terminal board. |  |  |



## 4. Removal of Sound Blankets

Procedure

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

| Step |  | Procedure | Points |
| :---: | :---: | :---: | :---: |
| 1 2 | Remove the sound blanket (top). (25 class only) <br> Untie the 2 strings and open the sound blanket (body). |  | Preparation <br> Remove the outer panels according to the "Removal of Outer Panels". <br> - Remove the terminal board and fixing plate according to the "Removal of Electrical Components". <br> Some models have no sound blanket (top). |
| 3 | Remove the sound blanket (body). |  | - Since the piping ports on the sound blanket are torn easily, remove the sound blanket carefully. |

## 5. Removal of Capillary Tube (Pattern 1)

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


## 6. Removal of Capillary Tube (Pattern 2)

Procedure

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

| Step | Procedure | Points |
| :---: | :---: | :---: |
| - Before working, make sure that the refrigerant gas is empty in the circuit. Be sure to apply nitrogen replacement when heating up the brazed part. |  | burnt with the pipes and other parts that are heated by the gas brazing machine. |
| 1 Remove the putty. Heat <br> up the 2 brazed parts <br> and remove the <br> capillary tube. |  | If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.) $\qquad$ Caution <br> From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas. <br> Cautions for restoration <br> 1. Restore the piping by nonoxidation brazing. |
| Note: <br> Do not use a metal saw for cutting pipes by all means because the sawdust comes into the circuit. |  | 2. Avoid excessive heating. <br> (Keep below $120^{\circ} \mathrm{C}$ ) <br> In case of difficulty with gas brazing machine <br> 1. Disconnect the brazed part where is easy to disconnect and restore. |
| When withdrawing the pipes, be careful not to pinch them firmly with pliers. The pipes may get deformed. |  | 2. Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect. |
| Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries. <br> Be careful so as not to burn the compressor terminals, the name plate, the heat exchanger fin. |  |  |

## 7. Removal of Capillary Tube (Pattern 3)

Procedure

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

| Step | Procedure | Points |
| :---: | :---: | :---: |
| Before working, make sure that the refrigerant gas is empty in the circuit. Be sure to apply nitrogen replacement when heating up the brazed part. |  | Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine. |
| 1 Remove the putty. Heat <br> up the 2 brazed parts <br> and remove the <br> capillary tube. | (R16177) | If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.) <br> Caution <br> From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas. <br> Cautions for restoration <br> 1. Restore the piping by nonoxidation brazing. |
| Note: <br> Do not use a metal saw for cutting pipes by all means because the sawdust comes into the circuit. <br> ■ When withdrawing the pipes, be careful not to pinch them firmly with pliers. The pipes may get deformed. <br> - Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries. <br> - Be careful so as not to burn the compressor terminals, the name plate, the heat exchanger fin. |  | 2. Avoid excessive heating. <br> (Keep below $120^{\circ} \mathrm{C}$ ) <br> In case of difficulty with gas brazing machine <br> 1. Disconnect the brazed part where is easy to disconnect and restore. <br> 2. Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect. |

## 8. Removal of Compressor ASSY

Procedure

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

Step


## Revision History

| Month / Year | Version |  |
| :--- | :--- | :--- |
| $08 / 2012$ | Si011189 | 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.

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