Photocatalytic Air Purifiers
Air Purifiers
MC704VM

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1. Introduction

1.1 Features

**Concept**
In addition to the outstanding efficiency of basic operation, full of cutting edges of function!

- Powerful dust collection by large air volume
  (Air volume at HH-tap: 420m³/h)
- Deodorizing capability 85% (Total removing ratio: 1.7 times of MC401VE (50%))
- Highly economical operation by “new roll filter”
  (Additional purchase is not required for 7 years)
- Quiet operation (Operating sound level of 16 dBA at LL-tap is the quietest level in the industry)
- "Negative ion" generator is mounted to keep ion balance in the room air for comfort
- Compact design of the casing: approx. 82% of MC401VE
- Fully flat type advanced appearance of front panel

**Features**

- Improved Dust-collecting Performance
- Four-directional Suction
- Improved Deodorizing Capacity
- Quiet Operation
- Flat panel
- Negative ions
- Childproof Function

**Daikin Filter System**

Pre-filter
- Plasma ionizer
- Plasma dust Collection
- Electrostatic filter front surface
- Photocatalyst 1st stage
- Special inverter lamp
- Photocatalytic filter rear surface
- Photocatalyst 2nd stage
- Three-stage photocatalytic decomposition and deodorization
- Long-lasting 7-year filter roll
- Purified air
1.2 Performance

### Negative Ion

Negative ions are carried throughout the room with large air flow.

- **MC704VM**
  - Dimensions (HxWxD)(mm): 490x400x198
  - Applicable area (m²): 41.0
  - Air volume (m³/h): HH / H / M / L / LL
  - Operation sound (dBA): HH / H / M / L / LL

- **MC401VE (Current Model)**
  - Dimensions (HxWxD)(mm): 500x425x225
  - Applicable area (m²): 33.4
  - Air volume (m³/h): HH / H / M / L / LL
  - Operation sound (dBA): HH / H / M / L / LL

**Typical amounts of negative ions in the natural world.**

- **Forest**: approx. 2500 per cc
- **Waterfalls**: approx. 10,000~18,000 per cc

* Approx. 12 m², in High-power turbo mode

### Four-directional Suction

Advanced Four-directional Suction!

Even when the unit is operating on the floor, the newly designed four-directional air suction at the top of the unit exhibits superlative power. From all corners of the room, dust and odors are relentlessly sucked in from above, left, right, and front.
Photocatalytic Air Purifiers

Photocatalysis

Verified decomposability for more than 52 toxic substances such as:
- Nitrogen oxide
- Ammonia
- Acetaldehyde...

When light strikes titanium oxide, hydrogen peroxide (H₂O₂) and hydroxyl radicals (OH) are formed. These two substances possess powerful oxidizing properties and through mutual interaction they are able to decompose acetaldehydes and similar odorous substances into odorless carbon dioxide and water.

Photocatalytic technology is also used in lots of other places.

Tunnels
Toilets
Hospitals and research labs

Long-lasting 7-year Filter Roll

Annual filter replacement keeps deodorizing performance higher and assures hygiene.

1. Filter traps dirt and gradually gets soiled.
2. An indicator illuminates when it's time for filter replacement.
3. Tear off a replacement from the roll and fit it.

Deodorizing Performance

Deodorizing efficiency of filter
1.3 Functions

**High-power Turbo Mode**
- Powerful dust-collecting performance & deodorizing with large air flow.
- High-power turbo mode is for quick air purifying and deodorizing when you need it, for instance after smoking.

**Pollen Mode**
- Make a whirl, catch pollen quick!
- Through spring to autumn, many kinds of pollen besides cider or cypress are scattered.
- Pollen mode makes it easy to catch pollen by changing the air flow setting.

**Easy Maintenance**
- Easy-clean flat panel
- Plasma ionizer
- Filter roll
  - One wipe, keep fine!
  - Separable electrode plates!
  - Easy replacement! Keep spare filter clean!
A Variety of Convenient Functions

**Childproof function**
Even if a curious child handles the controller, the childproof ensures continued operation at the chosen settings.

**Remote controller holder**
Have you ever wondered where the remote controller has gone? In the new design, look for it in the storage space at the top of the unit.

**Easy to carry**
With one hand free it's easy to open doors and carry the unit from one room to another.
2. Precautions for Use

2.1 Use Conditions

**Ambient Temperature/Humidity**
Use this product under the following conditions.

<table>
<thead>
<tr>
<th>Operating conditions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Room temperature</td>
<td>0°C - 32°C</td>
</tr>
<tr>
<td>Room humidity</td>
<td>80% or less</td>
</tr>
</tbody>
</table>

Use under other conditions may cause malfunction.

**Miscellaneous**
- This product is for home use. Do not use for special purpose.
- This product is for indoor use only. Do not use in bathroom or outdoors as it is not water/condensation proof.
- Do not modify this product.

2.2 Applicable Room Area

<table>
<thead>
<tr>
<th></th>
<th>MC704VM</th>
</tr>
</thead>
<tbody>
<tr>
<td>House</td>
<td>less than 41m²</td>
</tr>
</tbody>
</table>
## 3. Specifications

### 3.1 Specification List

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>MC704VM</td>
</tr>
<tr>
<td><strong>Regulation</strong></td>
<td>CE</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Photocatalytic air purifier</td>
</tr>
<tr>
<td><strong>Style</strong></td>
<td>Desktop/wall-hung</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Sparkling silver and metallic ocean blue</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>1φ 220 – 240/220 – 230V, 50/60Hz</td>
</tr>
<tr>
<td><strong>Running current</strong></td>
<td>A 0.46</td>
</tr>
<tr>
<td><strong>Rated power consumption</strong></td>
<td>W 52</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Multi blade fan</td>
</tr>
<tr>
<td><strong>Air-flow rate</strong></td>
<td></td>
</tr>
<tr>
<td>HH m³/h</td>
<td>420</td>
</tr>
<tr>
<td>H m³/h</td>
<td>270</td>
</tr>
<tr>
<td>M m³/h</td>
<td>210</td>
</tr>
<tr>
<td>L m³/h</td>
<td>120</td>
</tr>
<tr>
<td>LL m³/h</td>
<td>60</td>
</tr>
<tr>
<td><strong>Drive method</strong></td>
<td>Direct drive</td>
</tr>
<tr>
<td><strong>Operating sound</strong></td>
<td></td>
</tr>
<tr>
<td>HH dB</td>
<td>47</td>
</tr>
<tr>
<td>H dB</td>
<td>36.5</td>
</tr>
<tr>
<td>M dB</td>
<td>32</td>
</tr>
<tr>
<td>L dB</td>
<td>24</td>
</tr>
<tr>
<td>LL dB</td>
<td>16</td>
</tr>
<tr>
<td><strong>Pre filter</strong></td>
<td>Polypropylene screen</td>
</tr>
<tr>
<td><strong>Dust collecting element</strong></td>
<td>Plasma ionizer and electrostatic filter roll</td>
</tr>
<tr>
<td><strong>Dust collecting efficiency</strong></td>
<td>% 95 (ASHRAE TEST)</td>
</tr>
<tr>
<td><strong>Deodorizing filter</strong></td>
<td>Photocatalytic filter</td>
</tr>
<tr>
<td><strong>Catalyst</strong></td>
<td>Titanium oxide and Special inverter lamp x 2</td>
</tr>
<tr>
<td><strong>Dimensions (H x W x D)</strong></td>
<td>498 x 400 x 198</td>
</tr>
<tr>
<td><strong>Package dimensions (H x W x D)</strong></td>
<td>593 x 453 x 248</td>
</tr>
<tr>
<td><strong>Product weight</strong></td>
<td>kg 7.0</td>
</tr>
<tr>
<td><strong>Gross weight</strong></td>
<td>kg 9.0</td>
</tr>
<tr>
<td><strong>Safety device</strong></td>
<td>Front panel switch (safety switch)</td>
</tr>
<tr>
<td><strong>Power cord</strong></td>
<td>2-wire 0.75mm² (2.5m)</td>
</tr>
<tr>
<td><strong>Standard accessories</strong></td>
<td>Wireless remote controller, battery, filter roll, operation manual</td>
</tr>
</tbody>
</table>

**NOTE:**

1. Operating noise levels are average values measured at 1m from the front, left, right and top of the unit (converted to the equivalent anechoic chamber value).
2. Color is that of the front panel. The side/bottom frames are black, and the rear frame is pearl white.
### 3.2 Dimension

**MC704VM**

- Required installation space
- Air outlet grille
- Air inlet grille
- Required installation space

![Dimensions Diagram](image)

**Dimension of remote controller**

![Remote Controller Dimensions](image)

**Power supply cord**
- Approx. 2.5m

### 3.3 Wiring Diagram

**MC704VM**

![Wiring Diagram](image)

**Note:**
1. S, CN SHOWS A CONNECTOR.
2. SW SHOWS A SWITCH.
3. SYMBOLS SHOWS AS FOLLOWS
   - RED : RED
   - BLK : BLACK
   - WHT : WHITE
   - YLW : YELLOW
   - GRN : GREEN
   - BLU : BLUE
   - PNK : PINK
   - BRN : BROWN
   - ORG : ORANGE

**Components:**
- BUZZER
- SW 1, 2, 3
- MAIN SWITCH
- LED 1-18
- POWER SUPPLY PLUG
- SAFETY SWITCH
- FUSE (250V, 3.15A)
- FAN MOTOR
- TIMER (FOR LIGHT)
- TIMER (FOR AUTO OPERATION)
- FILTER RESET SWITCH
- FRONT PANEL
- SIGNAL TRANSMITTER
- REMOTE UNIT (ARC437A2)
- Receiver
- SIGNAL (WIRELESS)
- LAMP ASSY (SPECIAL INVERTER LAMP)
3.4 Packaging Drawing

[Diagram of packaging drawing with labeled parts: Photocatalyst filter roll, Wireless remote controller, Product cover, (attached to the back side)]
4. Operation Manual

4.1 General Description

Contents

General Description.............................................. 1
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Tips for Appropriate Use ....................................... 1
Specification.......................................................... 1
Safety Precautions ................................................ 2
Names and Operation of each Part....................... 3
Preparation Before Operation ............................... 5
How to Operate ..................................................... 7
Care and Cleaning ................................................ 8
Trouble Shooting.................................................. 12

Features

1 Photodecomposition, deodorization viral resistance
   Quick decomposition and elimination of smells
2 Plasma dust collection
   Effectively removes cigarette smoke and pollen
3 Negative ions
   The atmosphere in forests and around mountain streams is filled
   with negative ions, also known as “vitamins of the air.” This product
   will fill your living environment with the same negative ions.
4 7 year pre-cut filter roll
   Tremendous advantage with durable filter
5 Designed for Quiet Operation
   Security when sleeping

Accessory

Confirm that accessory parts are in order.

Tips for Appropriate Use

• When you want to remove house dust, setting up the air purifier in
  low rooms is effective. When you want to remove cigarette smoke,
  setting up the air purifier in high rooms is effective.
• If the air purifier is setup as shown below, the air circulation effect
  will be improved.
  • When air conditioning the room, fluctuations in the room tempera-
    ture are controlled while cleaning the air.
  • Please select for the air to be spread all over the inside.

Specification

<table>
<thead>
<tr>
<th></th>
<th>MC704VM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>MC704VM</td>
</tr>
<tr>
<td>Required power supply</td>
<td>1ø220-240/220-230V 50/60Hz</td>
</tr>
<tr>
<td>Outer dimensions</td>
<td>400×498×198</td>
</tr>
<tr>
<td>Rated power consumption (W)</td>
<td>52/52 (Turbo)</td>
</tr>
<tr>
<td>Air flow rate (m³/h)</td>
<td>HH: Turbo 420/420</td>
</tr>
<tr>
<td></td>
<td>H : High speed 270/270</td>
</tr>
<tr>
<td></td>
<td>M : Standard speed 210/210</td>
</tr>
<tr>
<td></td>
<td>L : Low speed 120/120</td>
</tr>
<tr>
<td></td>
<td>LL: Quiet speed 60/60</td>
</tr>
<tr>
<td>Applicable room area</td>
<td>– 41m²</td>
</tr>
<tr>
<td>Weight</td>
<td>7.0</td>
</tr>
</tbody>
</table>
4.2 Safety Precautions

Safety Precautions

- Keep this manual where the operator can easily find them.
- Read this manual attentively before starting up the unit.
- For the reason of safety the operator must read the following precautions carefully.
- This manual classifies precautions into WARNINGS and CAUTIONS. Be sure to follow all precautions below: they are all important for ensuring safety.

**WARNING**

If you do not follow these instructions exactly, the unit may cause property damage, personal injury or loss of life.

If you do not follow these instructions exactly, the unit may cause minor or moderate property damage or personal injury.

Never do. Be sure to follow the instructions.

- Never do. Be sure to follow the instructions.
- Never touch the air purifier (including the remote controller) with a wet hand.
- Do not use the power cable if it is damaged.
- Do not use power supplies other than the rated supplies.
- Do not damage the electrical power cord, construct anything, or forcibly bend, stretch or twist the cord.
- Do not place any containers which hold water such as goldfish bowls or flower vases on or close to the unit.
- If the power plug is unplugged, be sure to hold and pull out the end of the power plug without holding the power cord.
- Do not block the intake or outlet.
- Do not sit on, stand on or shake the unit.
- Do not use the air purifier (including the remote controller) to get wet.
- Do not use near to sources of heat such as heaters.
- Do not operate with a pre-filter or filter roll removed.
- Do not damage the electrical power cord, construct anything, or forcibly bend, stretch or twist the cord.
- Do not use the power cable if damaged or loose in the socket.
- Do not use with power ON.
- Do not disassemble, service or modify this equipment.
- Do not operate with wet hands.
- Do not place heavy items on the cord or place the cord between items.
- Do not use with power ON.
- Do not operate with a pre-filter or filter roll removed.
- Do not damage the electrical power cord, construct anything, or forcibly bend, stretch or twist the cord.
- Do not use power supplies other than the rated supplies.
- Do not place any containers which hold water such as goldfish bowls or flower vases on or close to the unit.
- Do not block the intake or outlet.
- Do not sit on, stand on or shake the unit.
- Do not use the air purifier (including the remote controller) to get wet.
- Do not damage the electrical power cord, construct anything, or forcibly bend, stretch or twist the cord.
- Do not use power supplies other than the rated supplies.
- Do not place any containers which hold water such as goldfish bowls or flower vases on or close to the unit.
- Do not block the intake or outlet.
- Do not sit on, stand on or shake the unit.
- Do not use the air purifier (including the remote controller) to get wet.
- Do not damage the electrical power cord, construct anything, or forcibly bend, stretch or twist the cord.
- Do not use power supplies other than the rated supplies.

**CAUTION**

- Do not use close to lighting equipment (within 1 m).
- The reception sensitivity of the remote controller may be reduced and the color may change.
- Do not use outdoors or where exposed to direct sunlight.
- Direct sunlight can weaken remote controller signal reception sensitivity and discolor the casing.
- Do not use near to sources of heat such as heaters.
- Heat can discolor and deform the casing.
- Keep the unit and remote control minimum 2 m from lighting, TVs, radios, stereos and aerials.
- This unit can disturb TV pictures and generate interference. Illumination can weaken remote controller signal reception sensitivity and discolor the casing.
- When placed on top of a table, be sure to separate the rear of the unit from the wall by at least 10 cm.
- When used for long periods of time, the wall become dirty.
- Do not use in the place of kitchen fans or cooker hood fans.
- Adverse conditions of use can shorten service-life of the pre-filter and ion filter, as well as lead to equipment damage.
- Prevent combustibles (hair sprays, etc.), sparks and incense from being drawn into the unit.
- Such substances can cause fire.
- Do not insert fingers or foreign objects into the inlet or outlet openings.
- Electric shock or damage may occur.
- There exists a danger of hands getting caught in the motor and causing injury.
- When using pesticides of an indoor fumigation type (fume release), stop the operation of the air purifier to none of the chemical is sucked inside the unit.
- The chemical components will accumulate inside the unit and depending on your physical condition, you may react to the irritation which is bad for your health.
- When used in conjunction with a humidifier, keep mist from being directly drawn into the unit.
- Mists can lead to electric shock and/or equipment damage.
- Do not block the intake or outlet.
- Blocked openings can reduce capacity (air will not be cleaned throughout the entire room) and/or damage the equipment.
- Do not place any containers which hold water such as goldfish bowls or flower vases on or close to the unit.
- If water gets inside the unit, electric shock or malfunction may occur.
- Do not wipe with benzine or thinner, or spray with insecticide.
- Such substances can cause cracking, electric shock and/or fire.
- If not using the unit for long periods of time, unplug the power cable.
- Dielectric breakdown can lead to leakage current and subsequently electric shock and/or fire.
- If the power plug is unplugged, be sure to hold and pull out the end of the power plug without holding the power cord.
- There is a chance that an electrical short or short-circuit may occur causing a fire.
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- If the power plug is unplugged, be sure to hold and pull out the end of the power plug without holding the power cord.
- There is a chance that an electrical short or short-circuit may occur causing a fire.
- If the power plug is unplugged, be sure to hold and pull out the end of the power plug without holding the power cord.
- There is a chance that an electrical short or short-circuit may occur causing a fire.
4.3 Names and Operation of each Part

Names and Operation of each Part

Main unit

**Front**

1. Front panel
2. Main unit display (Page 4)
   - Shows operation status.
3. Knob for panel disassembly
4. Pre-filter
   - Removes comparatively large material and dust.
5. Plasma ionizer
   - Positively charges very small dust not collected in the pre-filter.
6. Filter roll receiver
   - Unified with the plasma ionizer.
7. Opposing pole plate
   - There are two, right and left, on the rear of the plasma ionizer.
8. Filter roll
   - This filter is negatively charged and absorbs and removes positively charged dust particles using static electricity.
9. Photocatalyst
   - This photocatalyst deodorizes and provides viral resistance using light of a special inverter lamp.
10. Special inverter lamp
    - Light strikes the photocatalyst activating it.
    - There are no effects on the human body.

**Rear**

11. Air inlet
12. Remote controller storage slot
    - Stores the accessory remote controller
13. Handle
    - Use when moving the main unit.
14. Air outlet
15. Negative ionization assembly
    - Generates negative ions. Functions to combine positively charged toxic substances in a room and neutralize and transform them.
    - If static electricity is applied, the amount of negative ions generated will be temporarily reduced.
16. Power supply cord hook
    - Winds the power supply cord when storing the main unit.
    - Do not wind the cord during operation.
17. Power supply cord

---

**NOTE**

Photo operation (photocatalyst format)

- Light from the special lamp striking the photocatalyst deactivates bacteria and viruses by a strong oxidation action, thereby controlling infectiousness.
- Offensive odors such as cigarettes, garbage and exhaust gases (NOx) are also decomposed.
  - Toxic substances such as cigarettes (carbon monoxide) cannot be removed.
- When first used, there is a possibility that a catalyst odor may be noticed coming from the outlet. This is normal.
  - It will be decomposed during operation and go away at next use.

---

**CAUTION**

- Do not strongly press on the photocatalyst.
  - The special inverter lamp located inside may be damaged.
- Do not remove the photocatalyst.
- Do not wash the photocatalyst in water.
- Do not look at the special inverter lamp directly for long periods of time.

---

1. Front panel
2. Main unit display (Page 4)
3. Knob for panel disassembly
4. Pre-filter
5. Plasma ionizer
6. Filter roll receiver
7. Opposing pole plate
8. Filter roll
9. Photocatalyst
10. Special inverter lamp
11. Air inlet
12. Remote controller storage slot
13. Handle
14. Air outlet
15. Negative ionization assembly
16. Power supply cord hook
17. Power supply cord
Main unit display

1 Air intake for dust sensor
Air is taken in from here and the dust sensor detects the dirty state of the air.

2 Clean monitor (Dust)
Detects the dirty state of the air and indicates the results.

<table>
<thead>
<tr>
<th>Dust</th>
<th>Indicator</th>
<th>Off</th>
<th>On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>Green</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yellow</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High</td>
<td>Green</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yellow</td>
<td>Orange</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>Yellow</td>
<td>Orange</td>
</tr>
<tr>
<td></td>
<td>Red</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- For the following case, only the green lamp is lit for the initial 7 seconds without regard to how dirty the air is.
- Operation directly after setting the front panel plasma ionizer
- Operation directly after inserting the power plug

3 Automatic operation indicator
Lit during automatic operation.

4 Airflow rate indicator (Page 7)
Lit by the set airflow rate setting.

5 Pollen mode / turbo mode indicator (Page 7)
Lit during pollen and turbo mode.

6 Photo operation lamp (Page 7)
Lit during photo operation.

7 Receiver
Receives signals from the remote controller.

8 Operation switch / stop button
Each time this button is pressed, the operation mode switches as shown below.

- (Automatic) LL (Quiet) L (Low) M (Standard)
- (Stop) (Pollen) H (Turbo) H (High)

* During automatic operation the airflow rate at that time will also be lit.

9 Child lock lamp (Page 7)
Lit during child lock.

10 Negative ion mode indicator (Page 7)
Indicates during negative ion operation.

11 OFF timer setting indicator (Page 7)
Indicates the set OFF timer time. Indicates the time passed as well as the remaining time after the setting.

12 Clean indicator (Page 9)
Indicates the set OFF timer time. Indicates the time passed as well as the remaining time after the setting.

13 Filter roll / Replace indicator / Reset button
When the replacement time for the filter roll arrives, this lamp lights and if the time passes, it will flash. After replacement, press the reset button. (Page 9)

14 Air intake for odor sensor
Air is taken in from here and the odor sensor detects the odor state.

15 Clean monitor (Odor)
Detects changes to odors and indicates the results.

<table>
<thead>
<tr>
<th>Odor</th>
<th>Indicator</th>
<th>Off</th>
<th>On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weak</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Orange</td>
<td>Yellow</td>
</tr>
<tr>
<td></td>
<td>Red</td>
<td>Orange</td>
<td>Yellow</td>
</tr>
<tr>
<td>Strong</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Reactions to sudden temperature/humidity changes and odorless gas (carbon monoxide) may occur.
- There may not be any reaction for a uniform case without any changes to the intensity of the odor.
- There may be no reaction to pet odors or garlic odors.
- Different people have different sensitivity to odors so you may not notice an odor even though the lamp is green.
- For the following case, only the green lamp is lit for the initial 1 minute. This state is the standard value of the odor sensor sensitivity.
- Operation directly after setting the front panel plasma ionizer
- Operation directly after inserting the power plug.
4.4 Preparation Before Operation

## Remote controller setup

1. **Remote controller preparations**
   - Battery is already set in the remote controller but the remote controller cannot be used as is without first preparing it. Use the remote controller after pulling out the clear sheet from the battery cover.

2. **Remote controller storage**
   - When the remote controller is not being used, you can store it in the remote controller storage slot.

3. **Using the remote controller**
   - Point the transmitter of the remote controller towards the receiver of the main unit. If an obstruction to the signal, such as a curtain, exists, the remote controller will not operate.
   - The distance from which the remote controller can transmit is approximately 6m.

4. **Battery replacement**
   1. Open the cover on the rear of the remote controller towards the arrow.
   2. Replace the battery with CR2025 battery.
      - (Be sure to set the battery with the + side of the cover as shown in the figure.)
   3. Close the cover to its original position.

### NOTE
- Store the batteries where babies and children cannot reach them.
- If, by chance, a battery is swallowed, be sure to contact a doctor immediately.
- When discarding batteries, cover the terminals of the batteries with tape. If mixed with other metal or batteries, heat, explosion or combustion may occur.
- Bring the batteries to a nearby electronics store, watch store or camera store to recycle them.

### ATTENTION
- The included coin type battery is prepared for initial use. They will be consumed within 1 year from the manufacturing date of the air purifier.
- A replacement target is approximately 1 year but if the reception becomes difficult, replace the batteries with new coin type battery CR2025.
- Coin type battery close to the “recommended usage period” may need to be replaced soon.
- In order to prevent malfunctions or injuries due to leaking or explosions, be sure to remove the coin type battery when the unit will not be used for a long period of time.

## Set the filter roll

### WARNING
Set the filter while the power supply plug is not plugged in.

### CAUTION
- The unit must be operated with a pre-filter and filter roll set. If they are not set and the unit is operated, malfunctions may occur.

1. **Remove the front panel.**
   - Hold the panel removal knobs (two locations, left and right) and pull the panel toward you raising it up.

### ATTENTION
- Be careful not to scratch the front or damage the rear protrusions of the removed front panel. In particular, the rear protrusions function as a safety switch to turn OFF the power if the front panel is opened. If damaged, the unit will not operate.

2. **Remove the plasma ionizer.**
   - Hold the handle and pull the ionizer toward you raising it up.
3. Install the filter roll.
   (1) Cut off one piece along the perforation.
   (2) Place the dark colored surface facing up and then correctly insert into the hooks (four) of the plasma ionizer.

   CAUTION
   - If the front surface and rear surface of the filter are mistaken, the performance will drop.

   (3) Store the remaining filter roll in the filter roll receiver.

   ATTENTION
   - The filter roll can also be set without being cut.
     (1) Store the remaining filter roll in the filter roll receiver.
     (2) Correctly insert into the holes (four) of the filter roll into the hooks (four).

4. Install the plasma ionizer in its original configuration.

5. Mount the front panel to the main unit.
   (1) Hang the hooks (two) at the top of the front panel on the grooves of the top of the main unit.
   (2) Hold the panel removal knobs (two locations, left and right) and press into the main unit.

   NOTE
   - If the front panel is not correctly set on the main unit, the unit will not operate.

Installation of main unit
Follow the standards below during installation.

   ATTENTION
   - If operated outside the conditions shown below, malfunction may occur.
     - Indoor temperature 0 - 32 °C
     - Indoor humidity 80% or less
4.5 How to Operate

1 When operating
Press the [ON/OFF] button.
Pressing again will stop.

2 When you want to automatically switch the airflow rate
Press the " [AUTO] button.
• Automatically adjusts the airflow rate to LL (Quiet), L (Low), M (Standard), H (High) in response to the dirty condition of the air.

3 When you want to manually switch the airflow rate
Press the " [FAN SPEED] button.
• Each time it is pressed the airflow rate switches as shown below allowing you to choose your desired flow.

   LL (Quiet)  L (Low)  M (Standard)  H (High)

• The setting "LL (Quiet) is a very slow airflow rate and is convenient when sleeping.

4 When you want to quickly clean the air
Press the " [TURBO] button.
Pressing again will cancel.
• A high airflow rate will quickly remove any dirtiness in the air.
• This is convenient to use when cleaning.

5 When you want to remove pollen
Press the " [ANTI-POLLEN] button.
Pressing again will cancel.
• Switching the airflow speed every 5 minutes between M (Standard) and L (Low) will catch pollen before they fall on the floor.

6 When you expel negative ions
Press the " [RELAX] button.
Pressing again will cancel.
• Generates negative ions.

7 When you want to decide a time to stop operation
Press the " [OFF TIMER] button.
• Each time it is pressed the timer setting switches as shown below. The remaining time will be lit in the "OFF timer setting indicator".

   1 " (1 hour)  2 " (2 hour)  4 " (4 hour)  (Cancel)

• When the set time is reached, the operation will automatically stop.
• The set time can be changed if the button is pressed while the timer is operating.

8 When you want to change the brightness of the photo operation lamp and clean monitors
Press the " [BRIGHTNESS] button.
• Each time it is pressed, the display will switch as shown below.

   (Dark)  (Off)  (Standard)

• Only set to OFF when you are concerned about light coming from the main unit such as when sleeping. The photo operation will stop simultaneous with the display going Off so if it is always Off, the odor removal and anti-bacterial performance will drop.

9 When you want to prevent incorrect operation
Press the " [LOCK] button.
Pressing again will cancel.
• Stops the function of the button other than the " [LOCK] button on the main unit and buttons on the remote controller.
• This makes it possible to prevent children from operating the unit incorrectly.
• When you want to release the child lock settings and the remote controller is not in your hand, remove the power plug once and then reinsert it and operate the unit.

When you want to operate the unit using the button on the main unit
When the remote controller is not in your hand, you can use the " [Operation Switch / Stop] button on the main unit without using the remote controller. (Page 4)

NOTE
• Even if the ON/OFF button of the remote controller is pressed within 2 seconds right after setting the front panel and plasma ionizer or inserting the power plug, the unit will not operate.
• When an incorrect operation is performed during operation If lightning or a radio signal cause an error indication to display in the main unit display and the remote controller becomes inoperable, remove the power plug once and then reinsert it and operate the unit.
### 4.6 Care and Cleaning

#### Care and Cleaning

**WARNING**
During maintenance you must stop the operation and remove the power plug from the electrical outlet. Electric shock or injury may occur.

**CAUTION**
Do not wash the main unit with water. If water gets inside the unit, electric shock or malfunction may occur.

**ATTENTION**
- Be careful not to scratch the front or damage the rear protrusions of the removed front panel. In particular, the rear protrusions function as a safety switch to turn OFF the power if the front panel is opened. If damaged, the unit will not operate.

**NOTE**
If the front panel is not correctly set on the main unit, the unit will not operate.

#### Cleaning the pre-filter
Target is once every 2 weeks

1. **Remove the front panel.**
   - Hold the panel removal knobs (two locations, left and right) and pull the panel toward you raising it up.

2. **Remove the pre-filter.**
   - While holding down the plasma ionizer pull the upper portion toward you and lift it upward.

3. **Clean the pre-filter.**
   - After using a vacuum cleaner to remove any dust, clean with water.
   - If it is very dirty, use a soft brush or a neutral cleaner to clean then dry well in the shade.

4. **Install the pre-filter in its original position.**
   - Match the lower edge of the pre-filter to the knob of the plasma ionizer and then insert the hole at the top into the protrusion of the plasma ionizer.

5. **Mount the front panel to the main unit.**
   1. Hang the hooks (two) at the top of the front panel on the grooves of the top of the main unit.
   2. Hold the panel removal knobs (two locations, left and right) and press into the main unit.
Care and Cleaning

Replacing the filter roll
Replace the filter roll when the “Replace indicator” (Page 4) is lit or flashes in the main unit display.
Target is once every year.

CAUTION
- The unit must be operated with a pre-filter and filter roll set.
- If they are not set and the unit is operated, malfunctions may occur.
- Do not strongly press on the photocatalyst.
- The special inverter lamp located inside may be cracked.
- Do not remove the photocatalyst.
- Do not wash the photocatalyst in water.

NOTE
- The replacement period differs depending on the use method and installation location.
- The replacement period will shorten if the unit is used where the air is dirty.

1. Stop the operation and unplug the power plug from the electrical outlet.
2. Remove the front panel.
   - Refer to procedure 1 on Page 8.
3. Remove the plasma ionizer.
   - Hold the handle and pull the ionizer toward you raising it up.
4. Remove the old filter roll.
5. Take the filter roll out from the filter roll receiver.
6. Cut off one piece of the filter roll along the perforation.
7. Install the filter roll.
   - List up the dark colors of the surface and then correctly insert into the hooks (four) of the plasma ionizer.

CAUTION
If the front surface and rear surface of the filter are mistaken, the performance will drop.
- Store the remaining filter roll in the filter roll receiver.

NOTE
The filter roll can also be set without being cut. (Page 6)
For this case, you can also replace the filter as shown below.
(1) Remove the filter roll from the hooks (four) and pull it out. Then correctly insert into the next filter roll into the hooks (four).
(2) Cut along the perforation

8. Install the plasma ionizer in its original configuration.
9. Install the front panel to its original position.
   - Refer to procedure 5 on Page 8.
10. Insert the power plug into the electrical outlet.
11. Press the reset button of the main unit display.
    Press using a thin pointed object to cancel the filter replace sign.
    (A beeping sound will be heard.)

Cleaning the plasma ionizer
Clean when the “Clean indicator” (Page 4) flashes in the main unit display.
1. Stop the operation and unplug the power plug from the electrical outlet.
2. Remove the front panel.
   Refer to procedure 1 on Page 8.
3. Remove the plasma ionizer.
   Refer to procedure 3 on Page 9.
4. Remove the filter roll.
5. Remove the opposing pole plates (two).
   - Push and expand the knobs on the outside and raise up the knob side of the opposing pole plates and then remove them on the outside.

   ![Diagram showing removal of opposing pole plates]

   **CAUTION**
   - When cleaning be careful not to cut your hands on the opposing pole plates. (Wearing rubber gloves is safer.)

   **ATTENTION**
   - The ionizing line is located at the rear of the opposing pole plates. When removing the plates, be careful not to catch and cut the ionizing line.

6. Clean the opposing pole plates.
   - After using a vacuum cleaner to remove any dust, clean with water.
   - If very dirty, clean using a neutral household cleaner or after applying the cleaner, rub with a rag or soft brush and sufficiently clean with water until no cleaning agent is left and then dry in the shade.

   **ATTENTION**
   - Do not use water to clean the plasma ionizer (resin part).
   - After cleaning, wipe with a cloth until none is remaining.
   - Do not use acidic or alkaline cleaners. Rust may occur.

7. Clean the plasma ionizer.
   - Use water to slightly moisten the ionizing line and surrounding resin parts and then use a tissue to gently wipe along the ionizing line.

   ![Diagram showing cleaning the plasma ionizer]

   **CAUTION**
   - When cleaning be careful not to cut your hands on the ionizing line. (Wearing rubber gloves is safer.)
   - Be careful not to snag or cut the ionizing line. If the ionizing line is cut, request the Daikin dealer to replace it. If the unit is operated with the ionizing line cut, there will be no dust collection. The “Clean sign” may also flash.
   - After cleaning, thoroughly dry the plasma ionizer. If the unit is operated before it is dry, the “Clean indicator” may also flash.

8. Set the opposing pole plates in the plasma ionizer (resin part).
   1. Securely insert the opposing pole plates into the hooks (two at center) of the plasma ionizer.
   2. While pressing and expanding the knobs (one on each side) of the plasma ionizer towards the outside, securely insert the opposing pole plates.

   ![Diagram showing setting the opposing pole plates]

   **ATTENTION**
   - When removing the opposing pole plates, be careful not to catch and cut the ionizing line.

9. Install the filter roll in its original position.
   - Refer to procedure 7 on Page 9.

10. Install the plasma ionizer in its original configuration.
    - Refer to procedure 8 on Page 9.

11. Install the front panel to its original position.
    - Refer to procedure 5 on Page 8.
Care and Cleaning

Cleaning the front panel
- Clean as necessary
  When used in areas which are very dirty, the cleaning frequency will increase.
- Wipe off any dirt using a rag or wet tissue.
- If the dirt cannot be removed, wipe off using a rag soaked in a neutral household cleaner.

**ATTENTION**
- Be careful not to scratch the front or damage the rear protrusions of the removed front panel.
  In particular, the rear protrusions function as a safety switch to turn OFF the power if the front panel is opened.
  If damaged, the unit will not operate.
- Do not use gasoline, benzine, thinner, polishing powder or light oil.
  Color changes or deformation may occur.
- Do not use a metal brush.
  Scratches may occur.

Cleaning the dust sensor
- Clean any dust clogging the air intake for the dust sensor.
- Clean using nozzles for small spaces of an electric vacuum cleaner.

**Sensitivity settings of the dust sensor**
The sensitivity of the dust sensor may worsen or become too sensitive.
This is because the response time of the dust sensor differs depending on size of the room and installation location.
For example, if installed at a low position in the room, the response for cigarette smoke will worsen.
For this case, try installing the unit at a high position such as on a rack.
If the response is still poor even though the installation location is changed, change the sensitivity of the dust sensor following the next method.

1. Press the " " [Operation switch/Stop] button of the main unit for 10 seconds.
2. While pressing the " " [Operation switch/Stop] button of the main unit point the remote controller at the main unit and press the " " [OFF TIMER] button.
   The receive sound will beep and after " " L (Low), " " M (Standard) or " " H (High) flashes for approximately 5 seconds, a lamp will light corresponding to the currently set sensitivity.

3. Change the settings using the " " [Operation switch/Stop] button of the main unit.
   Switches each time it is pressed.
   The settings is shown in the airflow rate indicator.

<table>
<thead>
<tr>
<th>Airflow speed display</th>
<th>&quot; &quot; L (Low)</th>
<th>&quot; &quot; M (Standard)</th>
<th>&quot; &quot; H (High)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust sensor sensitivity</td>
<td>High (Sensor display becomes easy to light.)</td>
<td>Normal (setting when shipped)</td>
<td>Low (Sensor display will have difficulty coming on.)</td>
</tr>
</tbody>
</table>

4. When you decide on the settings, point the remote controller at the main unit and press the " " [OFF TIMER] button.
   The receive sound will beep and the setting lamp will flash.
5. Unplug the power plug one time and then after 3 seconds or more plug it in again.
   This completes the settings.

**NOTE**
- If the operation of 5. is not performed, the unit will not return to normal operation mode.
  If the operation of 5. is performed, during the settings, the settings will not be correct.
- When the sensitivity is set high, it will become difficult for the sensor lamp to go out.

Optional accessories
Order the replacement filter roll at a Daikin dealer.

<table>
<thead>
<tr>
<th>Part name</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement filter roll</td>
<td>BAC14D</td>
</tr>
</tbody>
</table>
4.7 Trouble Shooting

Trouble Shooting

Investigate the problem once again before requesting repairs.

<table>
<thead>
<tr>
<th>Case</th>
<th>Check</th>
<th>Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does not operate.</td>
<td>Is the power plug unplugged?</td>
<td>Securely insert it.</td>
</tr>
<tr>
<td></td>
<td>Is the front panel correctly set?</td>
<td>Securely set it.</td>
</tr>
<tr>
<td></td>
<td>Are the battery of the remote controller dead?</td>
<td>Replace with new battery. (Page 5)</td>
</tr>
<tr>
<td>The four airflow rate displays, LL (Quiet), L (Low), M (Standard) and H (High) are flashing at the same time.</td>
<td>Is there any foreign matter in the air outlet?</td>
<td>Remove the foreign matter. For other cases, contact a Daikin dealer.</td>
</tr>
<tr>
<td>Air does not come out.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cleaning effect is not obtained.</td>
<td>Is the unit installed at a location where the flow does not pass or are there obstructions close to the unit?</td>
<td>Remove the obstruction.</td>
</tr>
<tr>
<td></td>
<td>Is there too much dust in the pre-filter or filter roll?</td>
<td>Clean or replace. (Pages 8, 9)</td>
</tr>
<tr>
<td></td>
<td>Is too much odors or smoke being generated?</td>
<td>For this case, contact a Daikin dealer.</td>
</tr>
<tr>
<td>Television screen is distorted.</td>
<td>Is a television or radio installed within 2m of this unit or is an indoor antenna being used close to this unit?</td>
<td>Separate the television, radio and indoor antenna from this unit by 2m or more.</td>
</tr>
<tr>
<td></td>
<td>Is the power cord or antenna of the television or radio close to this unit?</td>
<td>Separate the power cord and antenna of the television or radio as much as possible away from this unit.</td>
</tr>
<tr>
<td>During operation a crackling sound or a buzzing sound are heard.</td>
<td>Is the plasma ionizer securely set?</td>
<td>Securely set it.</td>
</tr>
<tr>
<td></td>
<td>Is dust adhering to the ionizing line of the plasma ionizer (resin part)?</td>
<td>Clean the plasma ionizer. (Page 9)</td>
</tr>
<tr>
<td></td>
<td>Has water entered into the spurt hole moistening the negative ionization assembly?</td>
<td>If the negative ionization assembly is dry, the sound will go away.</td>
</tr>
<tr>
<td>Odor is coming from the air outlet.</td>
<td>Is a large amount of odor being generated temporarily? (Many people smoking or grilling meat.)</td>
<td>If operated, the odor will gradually go away.</td>
</tr>
<tr>
<td></td>
<td>If the pre-filter or plasma ionizer dirty?</td>
<td>Clean it. (Pages 8, 9, 10)</td>
</tr>
<tr>
<td>Clean monitor (Dust) is red and does not change.</td>
<td>Caused by dust clogging the inside of the dust sensor.</td>
<td>Remove the dust from the dust sensor air intake using nozzles for small spaces of an electric vacuum cleaner. If the dust is removed and the unit is manually operated for about half a day, it will be restored to a normal state. (Page 11)</td>
</tr>
<tr>
<td>Clean monitor (Dust) is green and does not change.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
5. Optional Accessories

5.1 Specifications/Dimension

Filter Roll

BAC14D

SPECIFICATIONS
FILTER ELEMENT : NONWOVEN FABRIC (ELECTROSTATIC PROPERTY)
TARGET OF REPLACEMENT : ABOUT 7 YEARS (1 SHEET/YEAR × 7 SHEETS)
THICKNESS OF FILTER ELEMENT : 1.6mm

(2400) (OVERALL FILTER LENGTH)
330 × 7 = 2310
330

DETAIL OF FILTER ROLL

3D040664
6. Troubleshooting

6.1 Basic Inspection

(1) Is the connector for the PCB plugged in? Or is there any poor connection?

(2) Is the wire harness broken?

Troubleshooting with Airflow Rate Indicator

The airflow rate indicators flicker only when the DC fan is locked.

The airflow rate indicators flicker simultaneously.
6.2 Troubleshooting (case-by-case)

1. Equipment does not Operate, or Operation Lamps does not Light

1. Models Covered
MC704VM

2. Method of Malfunction Detection

3. Malfunction Decision conditions

4. Supposed Causes
- The safety device is activated due to poor assembly of the panel.
- Door switch is defective.
- The unit is not turned on.
- Unspecified voltage is used.
- The battery for the remote controller is exhausted.

5. Troubleshooting

*Be sure to insert/pull out the connector after turning off the power. It may cause malfunction.

**Diagnosis**
- Is operation possible with remote controller?
  - Yes (Cannot operate with ON/OFF switch on unit)
  - No

- Is AC cord plugged in? Or is breaker "ON"?
  - Yes
  - No

- Do other appliances operate?
  - Yes
  - No

- Is there power failure?
  - Yes
  - No

**Remedy**
- *Release child lock.
- Replace ON/OFF switch cover.
  (Replace display PCB).

- Go to “2. Remote controller sends signals erratically”.
- Plug in AC cord.
  Set breaker to “ON”.

- Wait for power restoration.
- When unspecified voltage is applied. Replace power supply PCB.
  (Varister or fuse may be damaged.)

- Contact power company.
- Go to “4. PCB is defective”.

- Replace panel.
  *Projection on door switch"

- Replace panel.
  (Door switch is not securely mounted due to deformity).

- Does operation lamp light?
  - Yes
  - No
1 Models Covered
MC704VM

2 Method of Malfunction Detection

3 Malfunction Decision conditions
You can operate with ON/OFF switch on the unit, but not with remote controller.

4 Supposed Causes
- Remote controller battery is exhausted.
- Remote controller is defective.
- Display PCB is defective.
- Malfunction is caused by inverter fluorescent lamps.

5 Troubleshooting
*Be sure to insert/pull out the connector after turning off the power. It may cause malfunction.

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is battery correct? (2.5V or more?)</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Check if infrared signal is sent from remote controller. (Check with an infrared checker.)</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Is signal properly transmitted?</td>
<td></td>
</tr>
<tr>
<td>Check remote controller for normal operation.</td>
<td></td>
</tr>
<tr>
<td>Can you operate with another remote controller?</td>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Check installation environment.</td>
<td></td>
</tr>
<tr>
<td>Is there any inverter fluorescent lamps around the unit?</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>Replace panel. Or change installation location.</td>
</tr>
</tbody>
</table>

2. Remote controller Sends Signals Erratically
## Troubleshooting

### 1 Models Covered

MC704VM

### 2 Method of Malfunction Detection

### 3 Malfunction Decision conditions

### 4 Supposed Causes

- Display PCB is defective.
- Dust sensor unit is defective.

### 5 Troubleshooting

*Be sure to insert/pull out the connector after turning off the power. It may cause malfunction.

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt;Dust sensor unit LED&gt;</strong>&lt;br&gt;Remove dust sensor unit.</td>
<td><strong>Replace display PCB.</strong>&lt;br&gt;<strong>Replace dust sensor unit</strong></td>
</tr>
<tr>
<td>Keep holding down door switch and press ON/OFF switch.</td>
<td></td>
</tr>
<tr>
<td>Does LED remain?</td>
<td>Yes&lt;br&gt;&lt;br&gt; No</td>
</tr>
<tr>
<td><strong>&lt;Odor sensor LED&gt;</strong>&lt;br&gt;Check ambient humidity.</td>
<td></td>
</tr>
<tr>
<td>80%RH or less?</td>
<td>Yes&lt;br&gt;&lt;br&gt; No</td>
</tr>
<tr>
<td>Wait a while, then check again.</td>
<td></td>
</tr>
<tr>
<td>Does LED remain?</td>
<td>Yes&lt;br&gt;&lt;br&gt; No</td>
</tr>
</tbody>
</table>

- It is not malfunction. The sensor is detecting moisture in the air.
- Change the installation location.
- Reset the power.
- Replace display PCB (Sensor is defective).
- It is not malfunction.
- The sensor may be operating as room is oversized or open.
4. PCB is Defective

1 Models Covered

MC704VM

2 Method of Malfunction Detection

3 Malfunction Decision conditions

4 Supposed Causes

- Connector is off.
- Display PCB is defective.
- Power supply PCB is defective.
- Door switch is defective.

5 Troubleshooting

*Be sure to insert/pull out the connector after turning off the power. It may cause malfunction.

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove panel.</td>
<td></td>
</tr>
<tr>
<td>Is there 12V DC between JP14 and GND while holding down door switch?</td>
<td>Yes Replace display PCB.</td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Are connectors off?</td>
<td>Yes Plug in connectors.</td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

Replace power supply PCB (including damaged varister or fuse). Or replace door switch.
## 5. DC Fan Lock

### 1 Models Covered
MC704VM

### 2 Method of Malfunction Detection
Abnormality of the fan motor is detected by revolutions with the hole IC while the fan motor is running.

### 3 Malfunction Decision conditions
When the fan motor is not revved up.

### 4 Supposed Causes
- Fan motor is defective.
- Power supply PCB is defective.
- Connector is off.

### 5 Troubleshooting

**Diagnosis**

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four airflow rate indicator</td>
<td>Replace power supply PCB.</td>
</tr>
<tr>
<td>flicker simultaneously.</td>
<td></td>
</tr>
<tr>
<td>Retry to operate with</td>
<td>Correct.</td>
</tr>
<tr>
<td>ON/OFF switch.</td>
<td></td>
</tr>
<tr>
<td>Airflow rate indicator flicker</td>
<td></td>
</tr>
<tr>
<td>then go off.</td>
<td></td>
</tr>
<tr>
<td>Is fan motor connector off?</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Replace fan motor.</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Restart. Do airflow rate</td>
<td>Replace power supply PCB.</td>
</tr>
<tr>
<td>indicator flicker?</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Normal (Motor was defective.)</td>
<td></td>
</tr>
</tbody>
</table>

*Be sure to insert/pull out the connector after turning off the power. It may cause malfunction.

**NOTE:** If connector is unplugged with unit turned on, fan motor may be damaged. (Turn off power before plugging in connector.)
6. LED Automatically Operates

1 Models Covered
MC704VM

2 Method of Malfunction Detection

3 Malfunction Decision conditions

4 Supposed Causes
- Malfunction (demo mode)
- The reset switch is blocked.

5 Troubleshooting

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Remedy</th>
</tr>
</thead>
</table>
| LED may be in demo mode. | *Entering demo mode
Keep holding down reset switch and turn on power. |
| Exit demo mode. | |
| Unplug unit or turn off power. | Demo mode is exited. |
| Restart. Does unit beep after 3 seconds? | The unit is in demo mode as reset switch is blocked. Check it. |
| No | |
| Yes | |
1 Models Covered
MC704VM

2 Method of Malfunction Detection

3 Malfunction Decision conditions

4 Supposed Causes
- The negative ion generator is dirty.
- Malfunction is caused by static electricity. (Operation will be restored as time passes.)
- The connector is off.

5 Troubleshooting

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the unit new? No</td>
<td>The negative ion generator may be dirty. Clean up. Note: Gently clean with a cotton swab. Do not bend needles.</td>
</tr>
<tr>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Is the connector off? No</td>
<td>Check for connector connection. Check for operation.</td>
</tr>
<tr>
<td>Yes</td>
<td>Normal</td>
</tr>
</tbody>
</table>

Caused by static generated on unpacking.

Tip
Static can be removed by gently wiping with wet cloth.

Do negative ions occur? No
Yes

*Be sure to insert/pull out the connector after turning off the power. It may cause malfunction.
## 7. Removal Procedure

### 7.1 Removal of External Accessories

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Appearance</strong></td>
<td>![Diagram of front panel with rear topside and operation switch/stop button]</td>
</tr>
<tr>
<td><strong>2. Removing the front panel</strong></td>
<td>![Diagram of front panel with hands holding bottom sides and pulling up]</td>
</tr>
</tbody>
</table>

**WARNING**
Make sure the unit is disconnected from any power source before disassembly.
3. Removing the plasma ionizer

(1) Hold the handle of the plasma ionizer and pull it towards you to remove.

* The pre-filter can be removed with the plasma ionizer attached.

4. Removing the filters

(1) Release the six claws and remove the pre-filter by pulling towards you.

(2) The filter roll is on the opposite side of the plasma ionizer.
### 7.2 Removal of Ionizing Wire

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>* The front panel has been removed.</td>
<td></td>
</tr>
<tr>
<td><strong>1. Removing the opposing plates</strong></td>
<td></td>
</tr>
<tr>
<td>(1) Release the outer claws and lift the opposing plates to remove.</td>
<td></td>
</tr>
<tr>
<td><strong>2. Removing the ionizing wire</strong></td>
<td></td>
</tr>
<tr>
<td>(1) Pinch and remove the ionizing wire with pincers.</td>
<td></td>
</tr>
</tbody>
</table>

**WARNING**
Make sure the unit is disconnected from any power source before disassembly.

**CAUTION**
Be careful not to cut your hands with the ionizing wire.
7.3 Removal of Electrical Parts (Special Inverter Lamp)

**WARNING**
Make sure the unit is disconnected from any power source before disassembly.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>* The front panel has been removed.</td>
<td></td>
</tr>
<tr>
<td>* The plasma ionizer has been removed.</td>
<td></td>
</tr>
<tr>
<td><strong>1. Removing the rear cover</strong></td>
<td></td>
</tr>
<tr>
<td>(1) Remove the screws (2 pieces each in front and on the rear) and detach the back cover.</td>
<td></td>
</tr>
<tr>
<td><strong>2. Removing the connector</strong></td>
<td></td>
</tr>
<tr>
<td>(1) Remove the screw on the inverter PCB</td>
<td></td>
</tr>
</tbody>
</table>

* The tielap is supplied with the unit. Replace it after disassembly.
* The tielap has to be equipped with the unit. Reassemble it after disassembly.
## Procedure Points

### Procedure

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) Remove the connector (CN2) from the inverter PCB (A3P).</td>
<td>![Inverter PCB for the special lamp]</td>
</tr>
</tbody>
</table>

### 3. Removing the photocatalyst filter

1. Remove the two screws.

2. Detach the photocatalyst filter holder.

![Removing the photocatalyst filter](image-url)
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3) Remove the photocatalyst filter.</td>
<td>* Handle with great care, the photocatalyst filter is made of paper.</td>
</tr>
<tr>
<td>4. Removing the special lamp</td>
<td></td>
</tr>
<tr>
<td>(1) Detach the special inverter lamp.</td>
<td></td>
</tr>
</tbody>
</table>
### 7.4 Removal of PCBs

* The back cover has been removed.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
</table>
| **1. Removing the inverter PCB**  
(1) Detach the connector (CN1) and remove the inverter PCB. | |
| **2. Removing the power PCB**  
(1) Detach the connectors (S2, S6, S8, S9 and S10) on the power PCB (A1P). | |

**WARNING**  
Make sure the unit is disconnected from any power source before disassembly.
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) Remove the connector (CN1) from the power PCB (A4P).</td>
<td></td>
</tr>
<tr>
<td>(3) Remove the two screws and detach the power PCB.</td>
<td></td>
</tr>
</tbody>
</table>
## Procedure Points

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>(4) Detach the two terminals and pull out the power PCB to remove.</td>
<td></td>
</tr>
</tbody>
</table>

### 3. Removing the display cover

- (1) Release the three claws and remove the display cover.
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4. Removing the dust sensor</strong>&lt;br&gt;(1) Detach the connector on the back of the dust sensor.</td>
<td></td>
</tr>
</tbody>
</table>

**5. Removing the display PCB**<br>(1) Release the five claws and remove the display PCB. |
## 7.5 Removal of Fan Motor

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
</table>
| * The front panel has been removed.  
* The back cover has been removed. | * When assembling, align the \( \triangle \) mark on the fan with the D cut on the motor shaft. |

### 1. Removing the fan

1. Remove the nut and pull out the fan.

### 2. Removing the fan motor

1. Disconnect the connector.
2. Remove the three screws and detach the motor mounting plate for the fan motor.

**WARNING**

Make sure the unit is disconnected from any power source before disassembly.
The air conditioners manufactured by Daikin Industries have received ISO 9000 series certification for quality assurance.

Certificate Number:
(SO9001) JMH-0107 (ISO9002) JDA-1492

The airconditioning factories of Daikin Industries have received environmental management system standard ISO 14001 certification.

Shipita Plant
Certificate Number: ECI912014

Sakai Plant
Certificate Number: JQA-E90009

Tadogawa Plant
Certificate Number: ECI912017

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Dealer

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