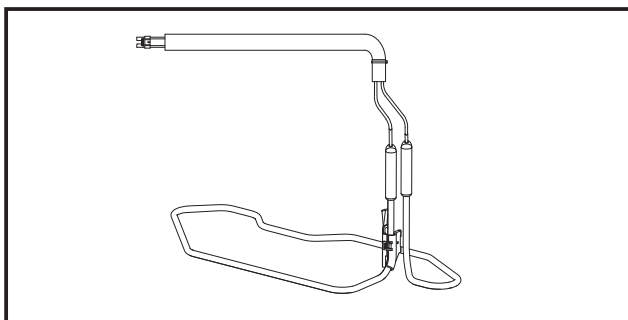


## Figure



## Descriptions

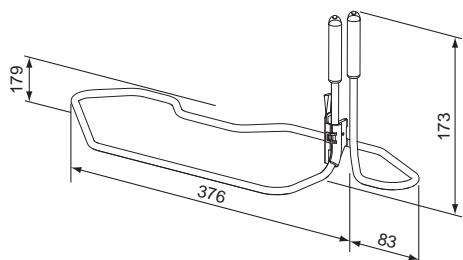
It is freeze-prevention heater for the outdoor unit of the air conditioner.

## Applicable Models

- MXZ-3E54VA      ■ MXZ-3F54VF
- MXZ-3E68VA      ■ MXZ-3F68VF
- MXZ-4E72VA      ■ MXZ-4F72VF

## Dimensions

Unit: mm



## Specifications

Rated voltage	230 V 50 Hz
Power consumption	120 W

## Components

This package includes the following parts besides this installation sheet.

① Base heater	1	② Heater support U	2	③ Heater support L	2	④ Heater plate	1
⑤ Cable tie	3	⑥ Fastener	2	⑦ Earth plate	1	⑧ Earth wire	2
⑨ Screw M4x8	8	⑩ Self-drilling screw	2	⑪ Spec label	1	⑫ Cable strap	2

## How to Use / How to Install

### 1 Preparation

It is easier to mount the base heater before installing the outdoor unit.

- Make sure that the main power supply to the unit is OFF.
- Do not lose the removed screws. Many screws will be removed to install the base heater.
- Eliminate dust, dirt, etc.

### 2 Preparation for mounting the base heater

Before mounting the base heater, follow the procedures below to remove some parts from the outdoor unit.

**NOTE:** Turn OFF power supply before disassembly.

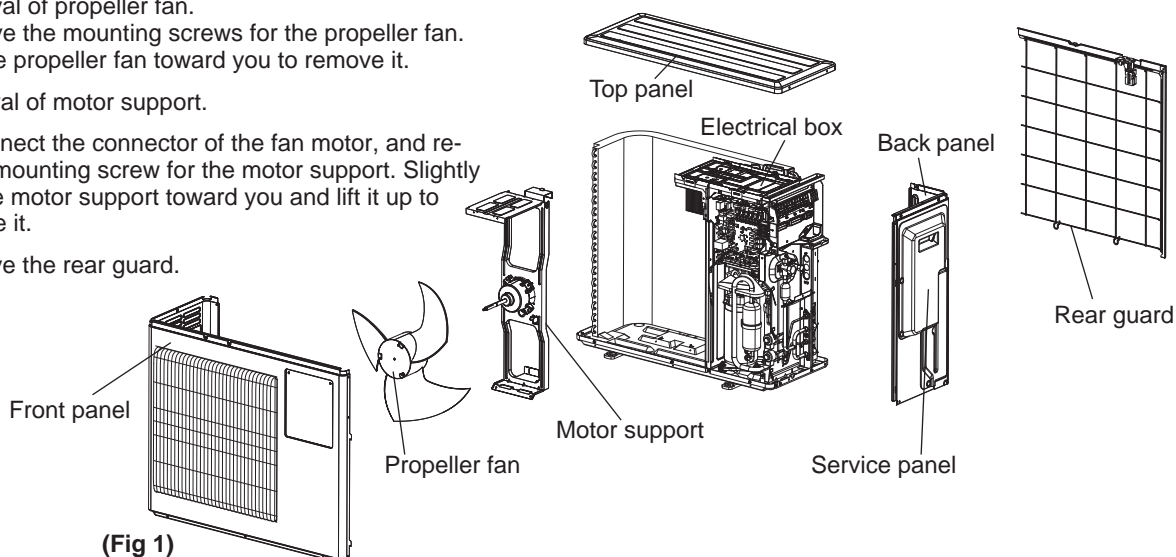
- ① Remove the screw fixing the service panel.
- ② Pull down the service panel and remove it.
- ③ Remove the screws fixing the top panel.
- ④ Remove the top panel.
- ⑤ Remove the screws fixing the front panel.
- ⑥ Remove the front panel.
- ⑦ Removal of fan.  
Remove the mounting screws for the fan. Pull the fan toward you to remove it.
- ⑧ Removal of motor support.  
Disconnect the connector of the fan motor, and remove mounting screw for the motor support.  
Slightly pull the motor support toward you and lift it up to remove it.

### 3 Before installation

Before installation, follow the procedures below to remove some parts from the outdoor unit.

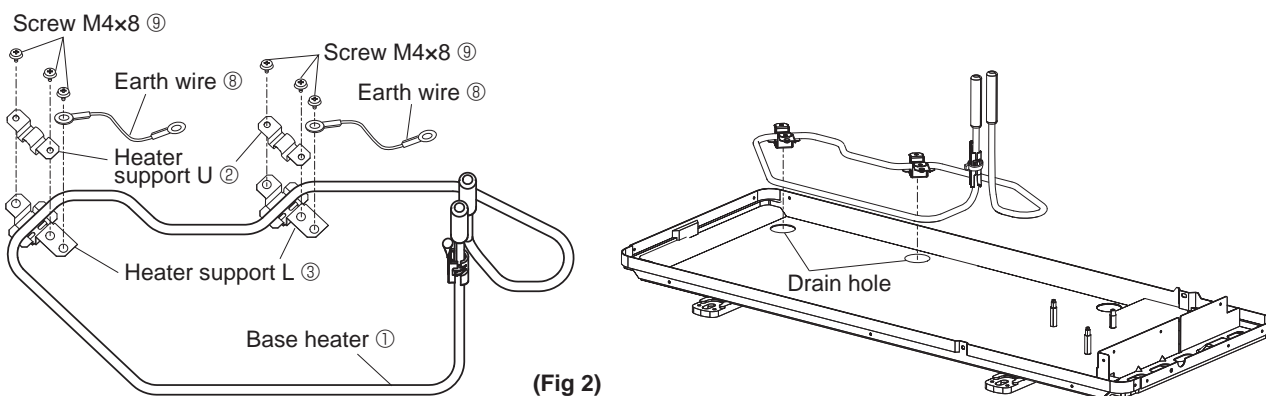
NOTE: Turn OFF power supply before disassembly.

- 1) Remove the screw fixing the service panel.
- 2) Remove the service panel.
- 3) Remove the screws fixing the top panel.
- 4) Remove the top panel.
- 5) Remove the screws fixing the front panel.
- 6) Remove the front panel.
- 7) Remove the screws fixing the back panel.
- 8) Remove the back panel.
- 9) Disconnect the connectors (CN791, CN792, CN712, CNTH2, CNTH1, CN797, CN63H, CNF1, and relay connector), and remove the electrical box.
- 10) Removal of propeller fan.  
Remove the mounting screws for the propeller fan. Pull the propeller fan toward you to remove it.
- 11) Removal of motor support.  
Disconnect the connector of the fan motor, and remove mounting screw for the motor support. Slightly pull the motor support toward you and lift it up to remove it.
- 12) Remove the rear guard.



### 4 Preparation for mounting the base heater

- 1) Fix the heater support U ② and L ③ to the base heater ① with 2 screws M4x8 ⑨ (2 places) as shown in the Fig 2.  
(Place the heater supports as they fit in the drain holes).
- 2) Fix an earth wire ⑧ to each heater support L ③ with screw M4x8 ⑨.

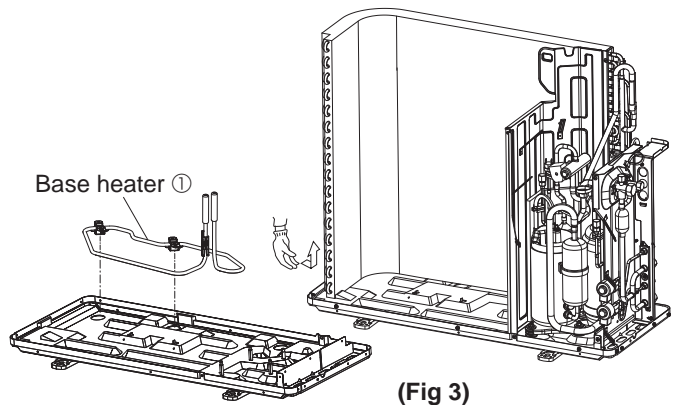


## 5 Installing the base heater

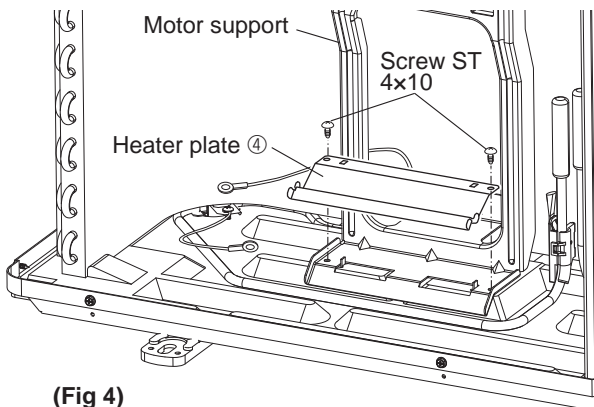
- 1) Hold the left lower side of the heat exchanger and slightly lift it up as shown in the Fig 3.
  - 2) Insert the base heater ① under the heat exchanger, and align it with the groove on the base. Confirm that the heater supports are placed as they fit in the drain holes.
  - 3) Mount the motor support.
 

NOTES:

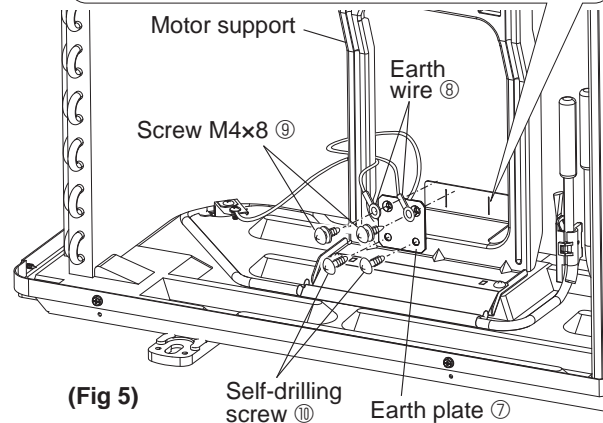
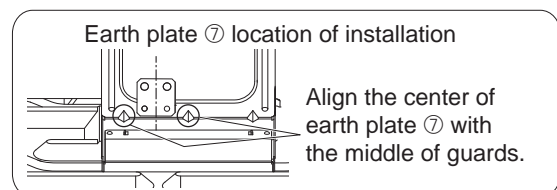
    - Take out the earth wire to the left side of the motor support.
    - Make sure that the lead wire is not caught between the bottom of the motor support and the base.
  - 4) Fix the front side of the base heater ① with the heater plate ④.
- Fix the heater plate ④ and motor support with the 2 screws that were installed to fix the motor support as shown in the Fig 4.
- 5) Screw the earth plate ⑦ on the motor support by self-drilling screw ⑩ as shown in the Fig 5.
  - 6) Fix the 2 earth wires ⑧ which are attached to the heater support to the earth plate ⑦.



(Fig 3)



(Fig 4)

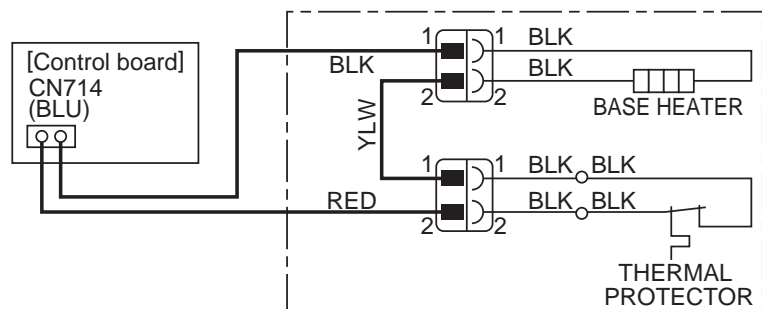


(Fig 5)

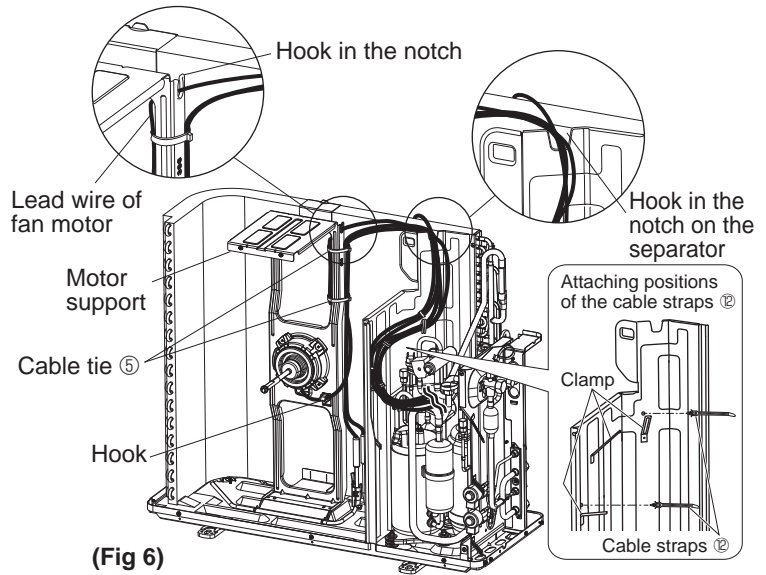
## 6 Securing the lead wires

### Wiring diagram

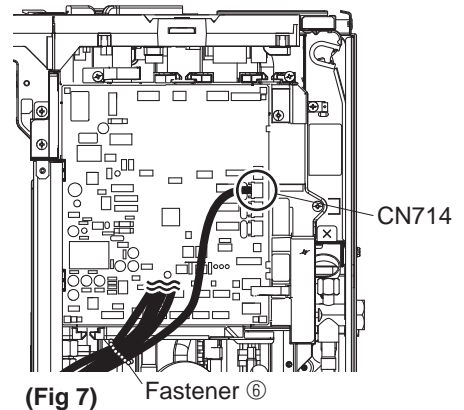
Connect the lead wires according to the wiring diagram on the right.



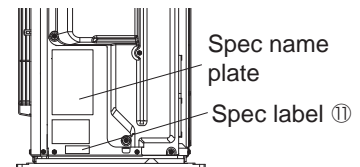
- 1) Bundle the lead wires of the base heater and the fan motor together, and fix 2 positions with the cable ties ⑤.
  - Secure the lead wires so they will not interfere with the propeller fan.
  - Hook the lead wire of the fan motor to the hook on the motor support and the ditch.
- 2) Reinstall the rear guard.
- 3) Attach the 2 cable straps ⑫ on the separator as shown in Fig 6.
  - The holes to mount the cable straps ⑫ are covered with aluminum tape.
  - Remove the tape before attaching the cable straps ⑫.
- 4) Hook all the lead wires in the notch of the separator.
- 5) Secure the lead wire of the base heater with the 2 cable straps ⑫.
- 6) Secure other lead wires with 3 clamps on the separator.
- 7) Reinstall the electrical box.  
Reconnect the connectors.
- 8) Connect the lead wire of the base heater to the connector CN714 on the controller circuit board as show in the Fig 7.
- 9) Bundle all the connectors except CN791, CN792, and relay connector with the fastener ⑥.



(Fig 6)



(Fig 7)



(Fig 8)

## 7 After installation

- 1) Reinstall the propeller fan, back panel, front panel, top panel, and service panel.
  - 2) Attach the spec label ⑪ below the spec name plate.
  - 3) Turn on the breaker, and perform test run to confirm that it works properly.
    - \* Do not install either drain socket which is provided with the outdoor unit or purchased separately.
    - Inside of the drain hose and/or the drain socket may freeze if the drain socket is installed.
- Tighten the propeller fan with a torque of  $3.4 \pm 0.5 \text{ N}\cdot\text{m}$  [ $2.5 \pm 0.4 \text{ ft}\cdot\text{lbs}$ ]( $34 \pm 9 \text{ kgf}\cdot\text{cm}$ ).
  - Rotate the propeller fan and make sure that the base heater and the lead wires do not interfere with the movement of propeller fan.

### ⚠ WARNING

Mount the outer panels securely. Incomplete installation may result in electric shock and fire caused by dust, water, etc.