

<"Terminal with locking mechanism" Detaching points>

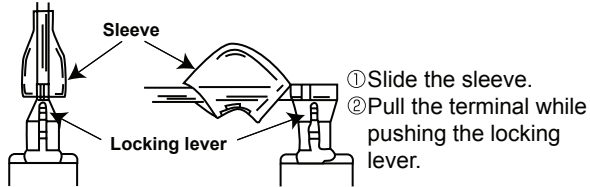
The terminal which has the locking mechanism can be detached as shown below.

There are two types (refer to (1) and (2)) of the terminal with locking mechanism.

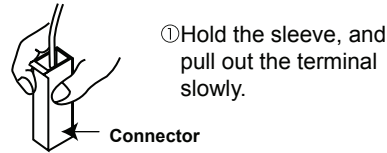
The terminal without locking mechanism can be detached by pulling it out.

Check the shape of the terminal before detaching.

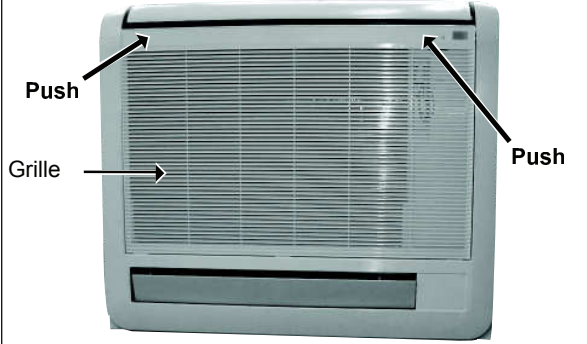
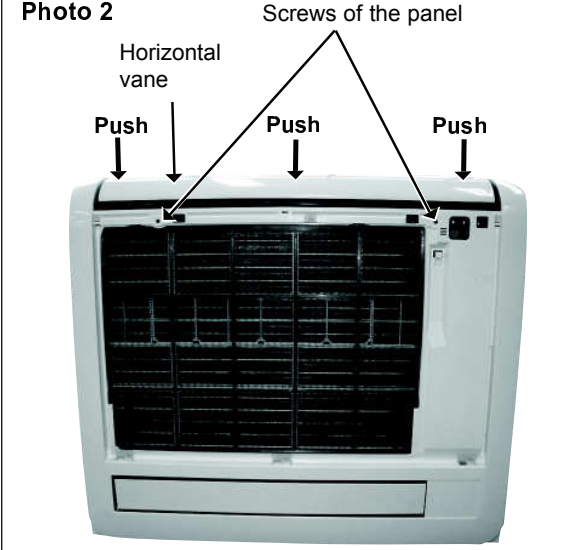
(1) Slide the sleeve and check if there is a locking lever or not.



(2) The terminal with this connector has the locking mechanism.



MFZ-KA09NA MFZ-KA12NA MFZ-KA18NA INDOOR UNIT

OPERATING PROCEDURE	PHOTOS
<p>1. Removing the panel</p> <p>(1) Push both sides of the upper part of the front grille and pull the front grille open, and then remove the front grille from the panel. (See Photo 1.)</p> <p>(2) Remove the screws of the panel. (See Photo 2.)</p> <p>(3) Open the horizontal vane and push the left, right and middle of the upper part of the panel, and pull the panel toward you. (See Photo 2.)</p> <p>(4) Lift up the panel and remove it from the box.</p>	<p>Photo 1</p>  <p>Photo 2</p> 



OPERATING PROCEDURE

2. Removing the electronic control P.C. board and the display receiver P.C. board

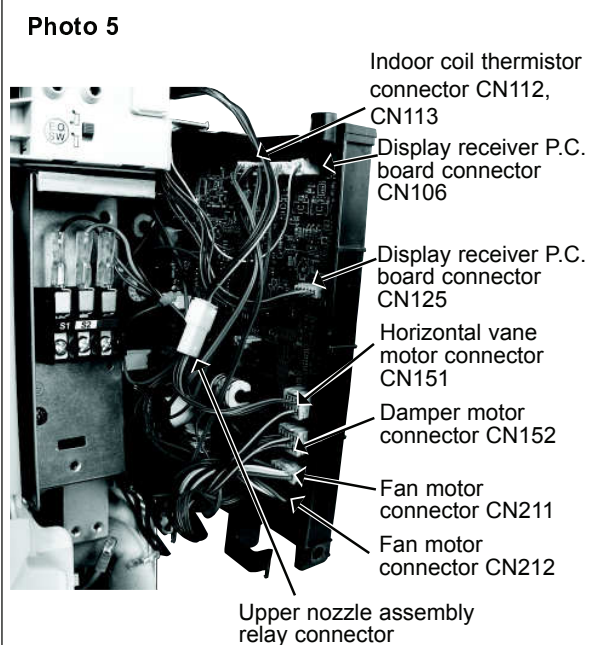
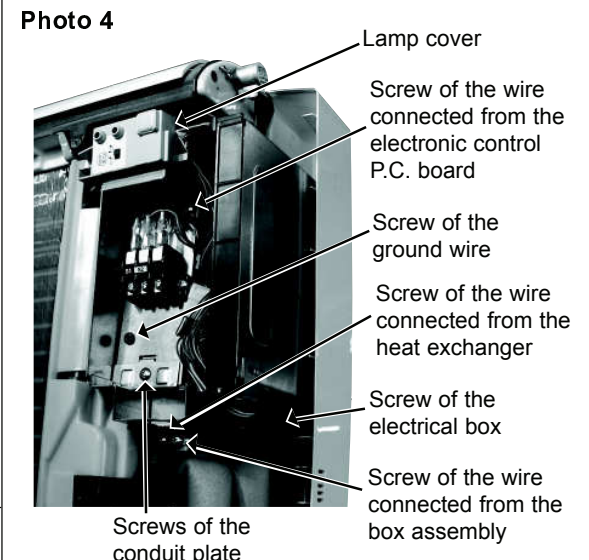
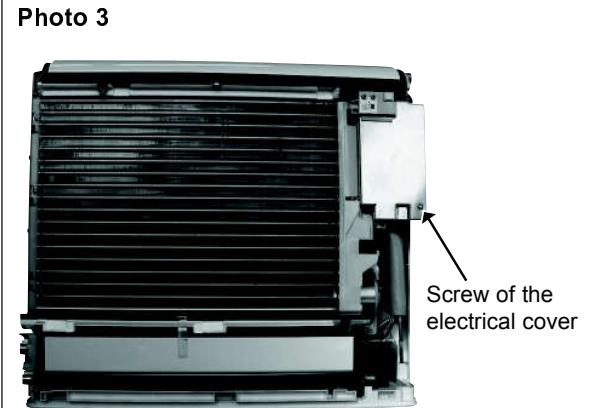
- (1) Remove the panel. (Refer to 1.)
- (2) Remove the screw of the electrical cover, and then the electrical cover. (See Photo 3.)
- (3) Remove the screw of the indoor/outdoor connecting wire, and then the indoor/outdoor connecting wire.
- (4) Unhook the lamp cover from the catch. (See Photo 4.)
- (5) Open the lamp cover. Pull out the display receiver P.C. board, and disconnect the connector on the display receiver P.C. board.
- (6) Remove the screw of the wire connected from the electronic control P.C. board, and then the wire. (See Photo 4.)
- (7) Pull the electronic control P.C. board slightly toward you from the electrical box, and disconnect all the connectors on the electronic control P.C. board.
- (8) Pull out the electronic control P.C. board from the electrical box.

NOTE: Skip (4) and (5) when the display receiver P.C. board does not have to be removed.


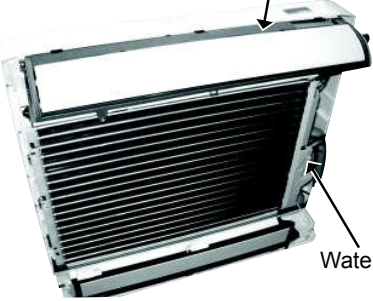
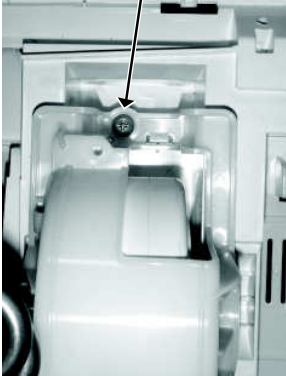
3. Removing the electrical box

- (1) Remove the panel. (Refer to 1.)
- (2) Remove the electrical cover. (Refer to 2.)
- (3) Remove the screw of the indoor/outdoor connecting wire, and then the indoor/outdoor connecting wire. Remove the ground wire as well.
- (4) Remove the screw of the conduit plate, and then the conduit plate. (Refer to Photo 4.)
- (5) Remove the screws of the wires connected from the heat exchanger and the box assembly, and then both the wires. (See Photo 4.)
- (6) Pull the electronic control P.C. board slightly toward you. Disconnect the following connectors on the electronic control P.C. board. (See Photo 5.)
 - Fan motor connectors < CN211, CN212 >
 - Horizontal vane motor connector < CN151 >
 - Damper motor connector < CN152 >
 - Display receiver P.C. board connectors < CN106, CN125 >
 - Indoor coil thermistor connectors < CN112, CN113 >
 - Room temperature thermistor connector < CN111 >
 - Damper limit switch connectors < CN1X1, CN1Y1 >
 - Upper nozzle assembly relay connector.
- (7) Remove the screw of the electrical box. (See Photo 4.)
- (8) Unhook the electrical box from the upper catch and pull out the electrical box from the box.

PHOTOS





OPERATING PROCEDURE	PHOTOS
<p>4. Removing the horizontal vane motor unit</p> <ul style="list-style-type: none">(1) Remove the panel. (Refer to 1.)(2) Remove the screws of the horizontal vane motor unit and pull out the horizontal vane motor unit. (See Photo 6.)(3) Disconnect the connector from the horizontal vane motor unit.	<p>Photo 6</p>  <p>Screw of the horizontal vane motor unit</p>
<p>5. Removing the indoor fan motor (upper)</p> <ul style="list-style-type: none">(1) Remove the panel. (Refer to 1.)(2) Remove the electrical box. (Refer to 3.)(3) Remove the nozzle (upper). (See Photo 7.)(4) Unhook the water cover from the catches and remove the water cover. (See Photo 7.)(5) Removing the screw of the motor band, and then the motor band. (See Photo 8.)(6) Remove the line flow fan and the indoor fan motor (upper) from the box.	<p>Photo 7</p>  <p>Nozzle <Upper></p> <p>Water cover</p> <p>Photo 8</p>  <p>Screw of the motor band</p>

OPERATING PROCEDURE

6. Removing the damper lock motor, the damper motor and the damper limit switch

- (1) Remove the panel. (Refer to 1.)
- (2) Remove the screws of the nozzle assembly (lower). (See Photo 9.)
- (3) Remove the drain hose from the nozzle assembly (lower) and pull out the nozzle assembly (lower) toward you.
- (4) Remove the tape fixing the lead wires of the damper motor and the damper lock motor from the nozzle assembly <lower>. (See Photo 10.)
- (5) Remove the screws of the damper lock motor. (See Photo 11 and 12.)
- (6) Lift the nozzle slightly and remove the lock shaft from within the nozzle and remove the damper lock motors (ML1, ML2).
- (7) Remove the screws of the damper motor support, and then the damper motor support.
- (8) Remove the screws of the damper motor, and then the damper motor from the damper motor support.
- (9) Disconnect the connector from the damper motor.
- (10) Remove the damper limit switches (LS1, LS2).

7. Removing the indoor fan motor (lower)

- (1) Remove the panel. (Refer to 1.)
- (2) Remove the nozzle assembly (lower) and the drain hose. (Refer to 6.)
- (3) Remove the screw of the ground wire of the indoor fan motor (lower), and then the ground wire. (See Photo 13.)
- (4) Remove the screw of the motor band, and then the motor band. (See Photo 13.)
- (5) Remove the line flow fan and the indoor fan motor (lower) from the box.

Photo 13



Screw of the motor band
Screw of the ground wire

PHOTOS

Photo 9

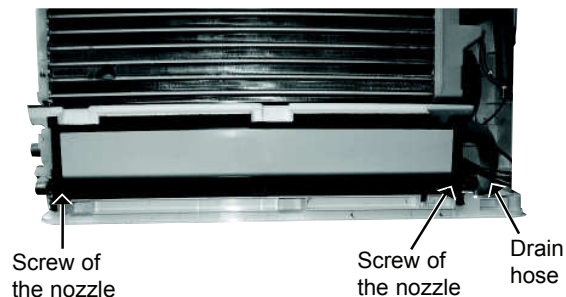
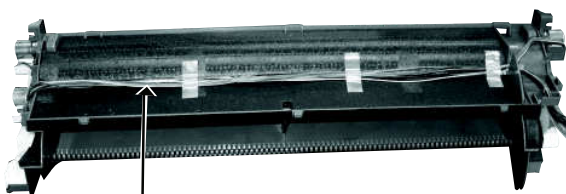


Photo 10



Lead wires of the damper motor and the damper lock motor

Photo 11

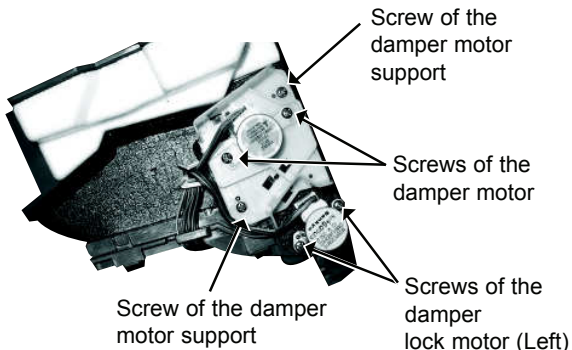


Photo 12



Screws of the damper lock motor (Right)