















































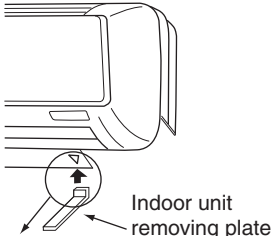
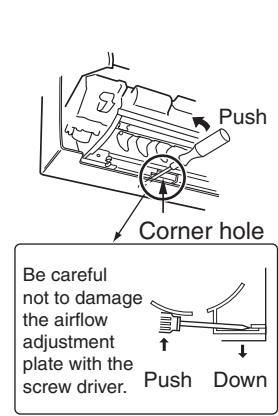
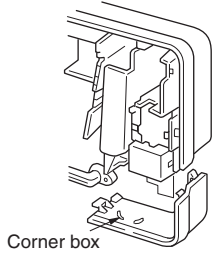
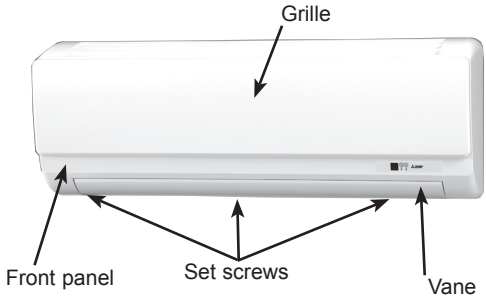
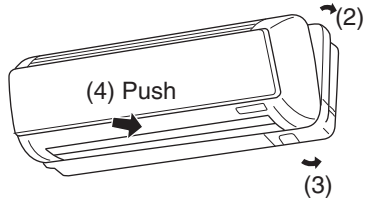


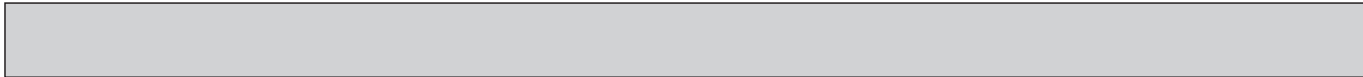


PKFY-P15VBM-E

PKFY-P20VBM-E  
PKFY-P20VBM-ER1PKFY-P25VBM-E  
PKFY-P25VBM-ER1

Be careful when removing heavy parts.

OPERATION PROCEDURE	PHOTOS & ILLUSTRATIONS
<p><b>1. Removing the lower side of the indoor unit from the installation plate</b></p> <p>When there is removing plate</p> <ol style="list-style-type: none"> <li>(1) Remove the corner box at right lower side of the indoor unit and remove the removing plate from the corner box. (See Figure 3)</li> <li>(2) Insert the removing plate at the back side of the corner box to remove the indoor unit.</li> <li>(3) Remove the hook by pulling the lower side of the indoor unit down as shown in the Figure 1.</li> </ol> <p>When there is no removing plate or it cannot be used for some reason.</p> <ol style="list-style-type: none"> <li>(1) Remove the front panel.</li> <li>(2) Insert the screw driver to the corner hole at both left and right side as shown in the Figure 2.</li> <li>(3) Push it up, then pull down the lower side of indoor unit and remove the hook.</li> </ol>	<p><b>Figure 1</b></p>  <p><b>Figure 2</b></p>  <p><b>Figure 3</b></p> 
<p><b>2. Removing the front panel</b></p> <p>Note: Before removing the front panel, leave the open space at upper side of the vane approximately 2 to 3 cm.</p> <ol style="list-style-type: none"> <li>(1) Remove the 3 screw caps then remove the 3 set screws. (Refer to Photo 1)</li> <li>(2) Remove the grille.</li> <li>(3) Remove the left side of the front panel, then right side.</li> <li>(4) After removing the lower side of the front panel a little, remove it as pulling the upper side toward you.</li> </ol> <p>Note: Please pay attention to the nozzle assembly.</p> <p><b>Installing the front panel</b></p> <ol style="list-style-type: none"> <li>(1) Insert the lower side of the front panel under the vane.</li> <li>(2) Set the upper side of the front panel. (See Figure 4)</li> <li>(3) Set the lower side of the front panel then fix it with the screws.</li> <li>(4) Press the area indicated as arrow sign and set it to the air conditioner unit.</li> <li>(5) Attach the screw caps.</li> </ol>	<p><b>Photo 1</b></p>  <p><b>Figure 4</b></p> 



**OPERATION PROCEDURE**

**3. Removing the indoor controller board and indoor power board**

(1) Remove the front panel. (Refer to procedure 2)  
 (2) Remove the electrical box cover (screw 4 × 10).  
 (See Photo 2)

**INDOOR CONTROLLER BOARD**

(1) Disconnect the following connectors from the indoor controller board.

- CN60, CN5V, CN90, CN29, CN21
- CN42, CN81, CN3A, CN20

(2) Pull out the indoor controller board toward you, then disconnect the rest of connectors.

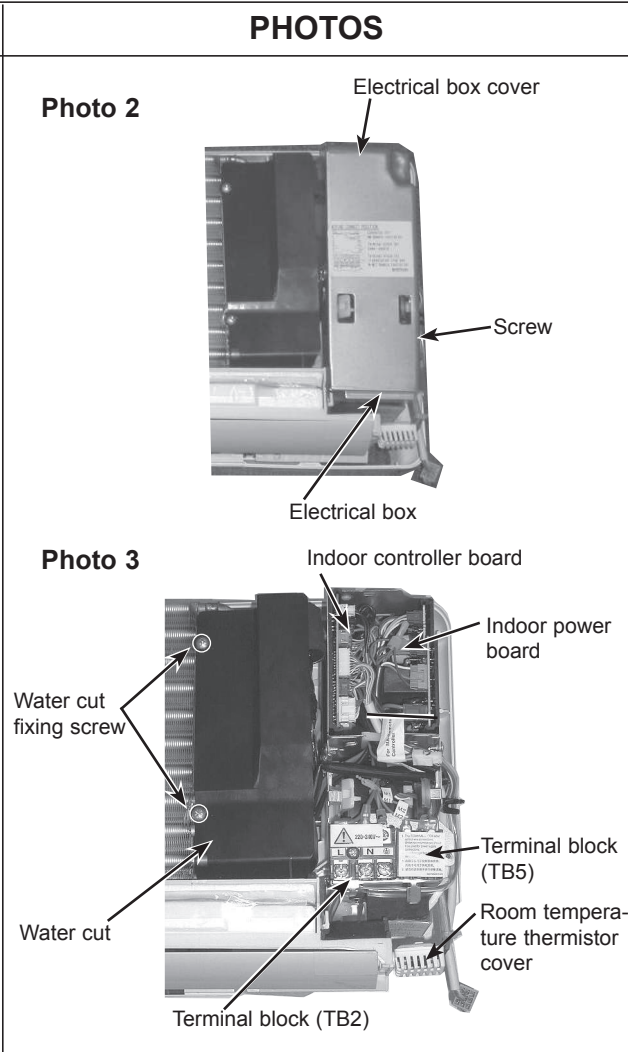
- CN53M, CN35M (See Photo 3)

**INDOOR POWER BOARD**

(1) Disconnect the following connectors on the indoor power board.

- FAN, CN53P, CN35P, CN2M, CND

(2) Remove the earth wire for TAB1.  
 (3) Pull out the indoor power board toward you.  
 (See Photo 3)

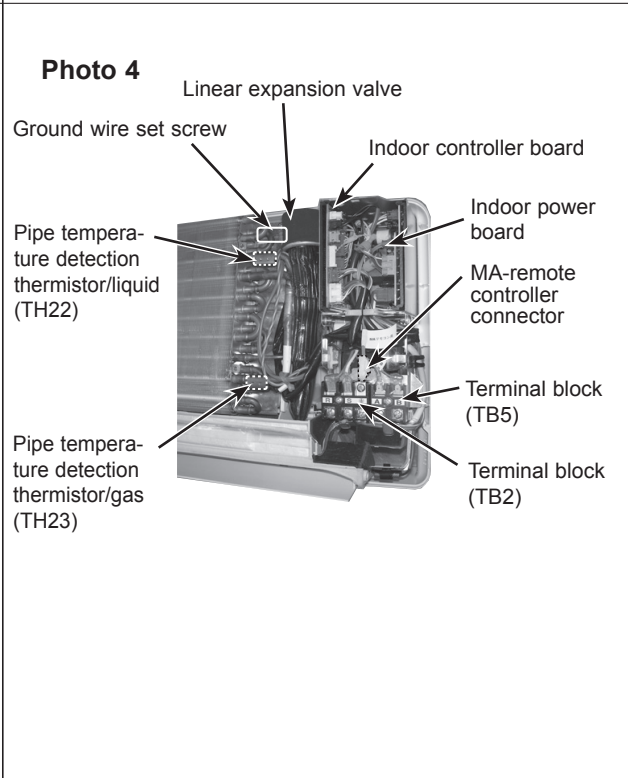


**4. Removing the electrical box**

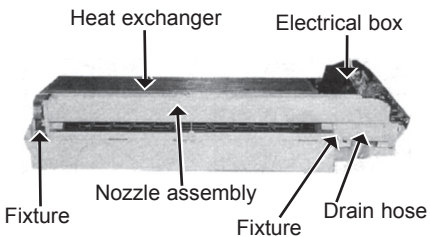
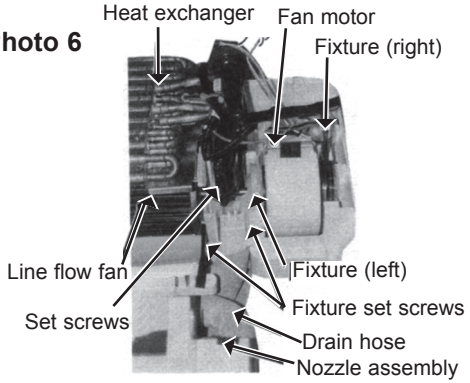
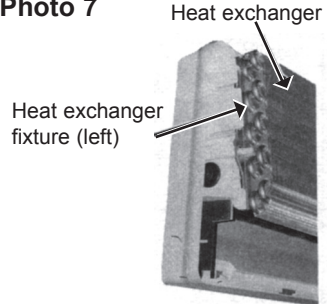
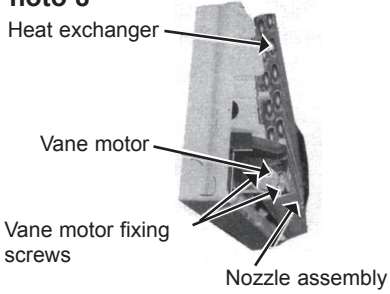
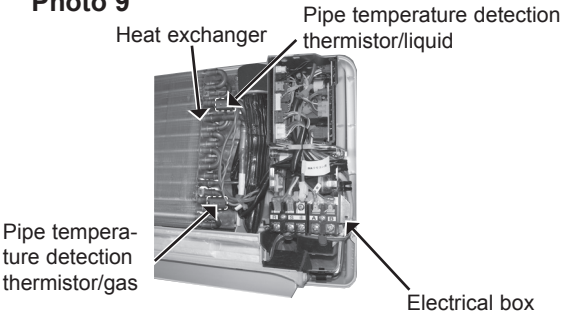
(1) Remove the front panel. (Refer to procedure 2)  
 (2) Remove the electrical box cover. (See Photo 2)  
 (3) Pull the nozzle assembly toward you as opening the catch of the nozzle assembly. (See Photo 5)  
 (4) Disconnect the indoor/outdoor transmission wiring of TB5.  
 (5) Disconnect the power supply wiring of TB2.  
 (6) Disconnect the relay connector of MA-remote controller.  
 (7) Disconnect the following connector on the indoor controller board.

- CN60, CN5V, CN29, CN21, CN90, (CN3A)

(8) Disconnect the connector (FAN) on the indoor power board.  
 (9) Remove the ground wire fixing screw.  
 (10) Pull the disconnected lead wire out from the electrical box.  
 (11) Push up the upper fixture catch to remove the box, then pull the lower fixture and remove it from the box fixture.





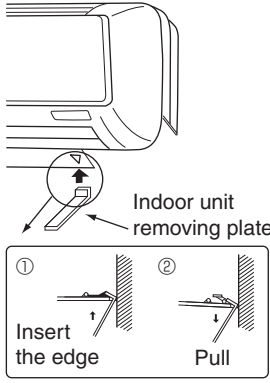
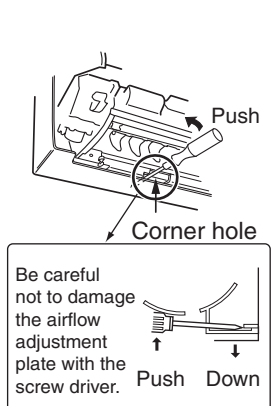
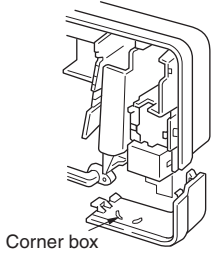
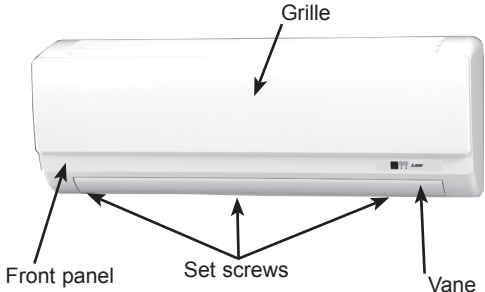
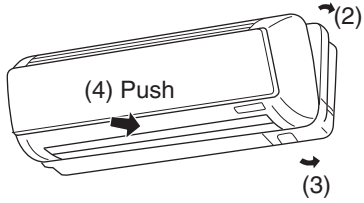
OPERATION PROCEDURE	PHOTOS
<p><b>5. Removing the nozzle assembly and drain hose</b></p> <ol style="list-style-type: none"> <li>(1) Remove the front panel (Refer to procedure 2).</li> <li>(2) Remove the electrical box cover. (See Photo 2)</li> <li>(3) Disconnect the connector (CN5V) on the indoor controller board.</li> <li>(4) After unhook the right side of the corner box, press the upper left side and remove the corner box.</li> <li>(5) Remove the nozzle assembly from the fixture. (See Photo 5)</li> <li>(6) Remove the drain hose.</li> </ol>	<p><b>Photo 5</b></p> 
<p><b>6. Removing the line flow fan and the fan motor</b></p> <ol style="list-style-type: none"> <li>(1) Remove the front panel. (Refer to procedure 2)</li> <li>(2) Remove the nozzle assembly. (Refer to procedure 5)</li> <li>(3) Remove the electrical parts box. (Refer to procedure 4)</li> <li>(4) Remove the fixture while pressing the right side of motor fixture catch. (See Photo 6)</li> <li>(5) Remove the left side of the motor fixture.</li> <li>(6) Loosen the screw which fixes the line flow fan to the fan motor, then remove the fan motor by sliding it to the right side. (See Photo 6)</li> <li>(7) Pull the left-hand side of the heat exchanger toward you. (See Photo 7)</li> <li>(8) Remove the line flow fan.</li> </ol>	<p><b>Photo 6</b></p>  <p><b>Photo 7</b></p> 
<p><b>7. Removing the vane motor</b></p> <ol style="list-style-type: none"> <li>(1) Remove the front panel. (Refer to procedure 2)</li> <li>(2) Remove the screw of the electrical parts box cover, and remove the cover.</li> <li>(3) Remove the 2 screws of the vane motor. (See Photo 8) Disconnect the relay connector and remove the motor from the shaft.</li> <li>(4) Disconnect the vane motor connector (CN5V) on the indoor controller board.</li> </ol>	<p><b>Photo 8</b></p> 
<p><b>8. Removing the pipe temperature detection thermistor/liquid and the pipe temperature detection thermistor/gas</b></p> <ol style="list-style-type: none"> <li>(1) Remove the front panel. (Refer to procedure 2)</li> <li>(2) Remove the electrical box cover. (See Photo 2)</li> <li>(3) Remove the water cut. (See Photo 3)</li> <li>(4) Cut the wiring fixed band.</li> <li>(5) Remove the pipe temperature detection thermistor/liquid and the pipe temperature detection thermistor/gas. (See Photo 9)</li> <li>(6) Disconnect the connector (CN29) (CN21) on the indoor controller board.</li> </ol>	<p><b>Photo 9</b></p> 

PKFY-P15VBM-ER2  
 PKFY-P15VBM-ER3  
 PKFY-P15VBM-ER4  
 PKFY-P15VBM-ER5

PKFY-P20VBM-ER2  
 PKFY-P20VBM-ER3  
 PKFY-P20VBM-ER4  
 PKFY-P20VBM-ER5

PKFY-P25VBM-ER2  
 PKFY-P25VBM-ER3  
 PKFY-P25VBM-ER4  
 PKFY-P25VBM-ER5

Be careful when removing heavy parts.

OPERATION PROCEDURE	PHOTOS & ILLUSTRATIONS
<p><b>1. Removing the lower side of the indoor unit from the installation plate</b></p> <p>When there is removing plate</p> <ol style="list-style-type: none"> <li>(1) Remove the corner box at right lower side of the indoor unit and remove the removing plate from the corner box. (See Figure 3)</li> <li>(2) Insert the removing plate at the back side of the corner box to remove the indoor unit.</li> <li>(3) Remove the hook by pulling the lower side of the indoor unit down as shown in the Figure 1.</li> </ol> <p>When there is no removing plate or it cannot be used for some reason.</p> <ol style="list-style-type: none"> <li>(1) Remove the front panel.</li> <li>(2) Insert the screw driver to the corner hole at both left and right side as shown in the Figure 2.</li> <li>(3) Push it up, then pull down the lower side of indoor unit and remove the hook.</li> </ol>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>Figure 1</b></p>  <p>Indoor unit removing plate</p> </div> <div style="text-align: center;"> <p><b>Figure 2</b></p>  <p>Push</p> <p>Corner hole</p> <p>Be careful not to damage the airflow adjustment plate with the screw driver.</p> <p>Push Down</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p><b>Figure 3</b></p>  <p>Corner box</p> </div>
<p><b>2. Removing the front panel</b></p> <p>Note: Before removing the front panel, leave the open space at upper side of the vane approximately 2 to 3 cm.</p> <ol style="list-style-type: none"> <li>(1) Remove the 3 screw caps then remove the 3 set screws. (See Photo 1)</li> <li>(2) Remove the grille.</li> <li>(3) Remove the left side of the front panel, then right side.</li> <li>(4) After removing the lower side of the front panel a little, remove it as pulling the upper side toward you.</li> </ol> <p>Note: Please pay attention to the nozzle assembly.</p> <p><b>Installing the front panel</b></p> <ol style="list-style-type: none"> <li>(1) Insert the lower side of the front panel under the vane.</li> <li>(2) Set the upper side of the front panel. (See Figure 4)</li> <li>(3) Set the lower side of the front panel then fix it with the screws.</li> <li>(4) Press the area indicated as arrow sign and set it to the air conditioner unit.</li> <li>(5) Attach the screw caps.</li> </ol>	<div style="text-align: center;"> <p><b>Photo 1</b></p>  <p>Grille</p> <p>Front panel</p> <p>Set screws</p> <p>Vane</p> </div> <div style="text-align: center; margin-top: 20px;"> <p><b>Figure 4</b></p>  <p>(2)</p> <p>(4) Push</p> <p>(3)</p> </div>

## OPERATION PROCEDURE

### 3. Removing the indoor controller board and indoor power board

- (1) Remove the front panel. (Refer to procedure 2)
- (2) Remove the electrical box cover (screw 4 × 10).  
(See Photo 2)

#### INDOOR CONTROLLER BOARD

- (1) Disconnect the following connectors from the indoor controller board.
  - CN60, CN5V, CN90, CN29, CN21
  - CN42, CN81, CN3A, CN20
- (2) Pull out the indoor controller board toward you, then disconnect the rest of connectors.
  - CN53M, CN35M (See Photo 3)

#### INDOOR POWER BOARD

- (1) Disconnect the following connectors on the indoor power board.
  - FAN, CN53P, CN35P, CN2M, CND
- (2) Remove the earth wire for TAB1.
- (3) Pull out the indoor power board toward you.  
(See Photo 3)

## PHOTOS

Photo 2

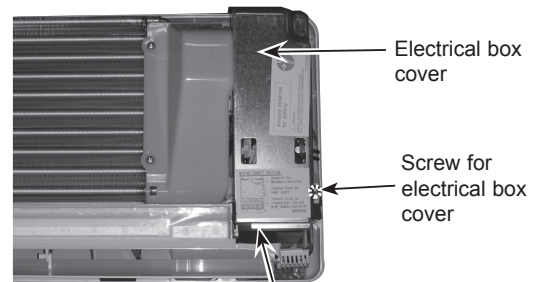
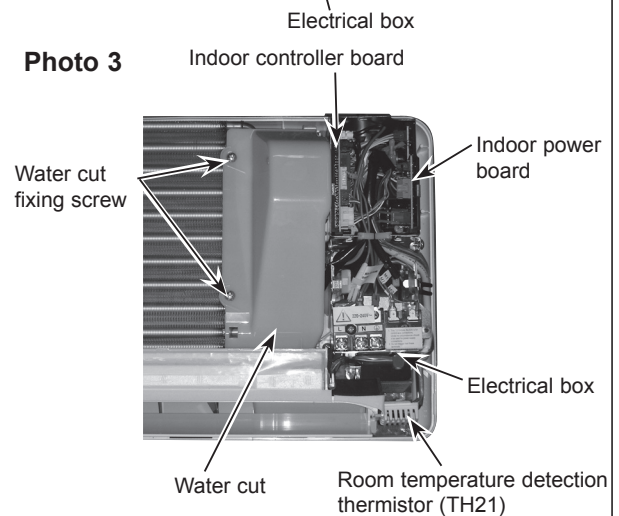


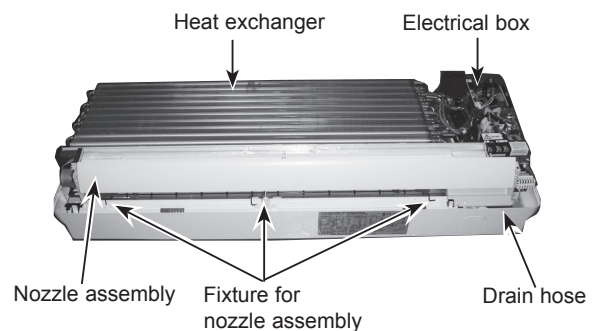
Photo 3



### 4. Removing the nozzle assembly and drain hose

- (1) Remove the front panel. (Refer to procedure 2)
- (2) Remove the electrical box cover. (See Photo 2)
- (3) Disconnect the connector (CN5V) on the indoor controller board.
- (4) After unhook the right side of the corner box, press the upper left side and remove the corner box.
- (5) Remove the nozzle assembly from the fixture.  
(See Photo 4)
- (6) Remove the drain hose.

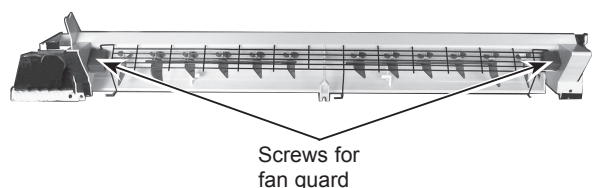
Photo 4



### 5. Removing the fan guard

- (1) Remove the nozzle assembly and drain hose. (Refer to procedure 4)
- (2) Remove the screws of fan guard. (See Photo 5)
- (3) Remove the fan guard.

Photo 5



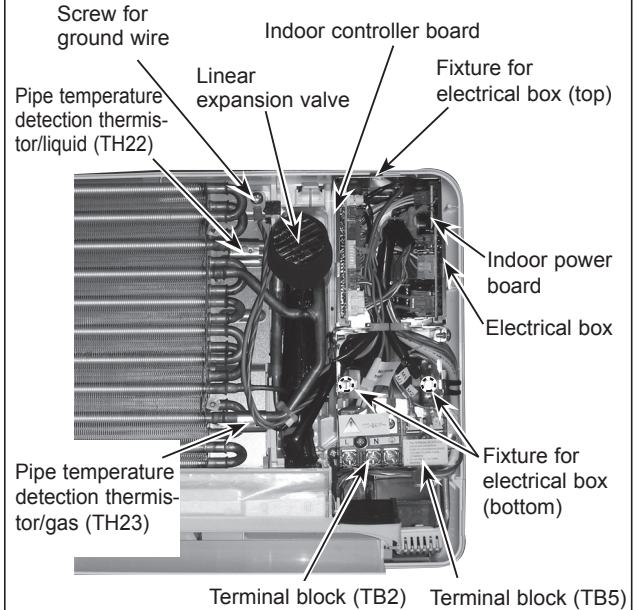
## OPERATION PROCEDURE

### 6. Removing the electrical box

- (1) Remove the front panel. (Refer to procedure 2)
- (2) Remove the electrical box cover. (See Photo 2)
- (3) Remove the water cut. (See Photo 3)
- (4) Pull the nozzle assembly toward you as opening the catch of the nozzle assembly. (See Photo 4)
- (5) Disconnect the indoor/outdoor transmission wiring of TB5.
- (6) Disconnect the power supply wiring of TB2.
- (7) Disconnect the relay connector of MA-remote controller.
- (8) Disconnect the following connector on the indoor controller board.
  - CN60, CN5V, CN29, CN21, CN90, (CN3A)
- (9) Disconnect the connector (FAN) on the indoor power board.
- (10) Remove the ground wire fixing screw.
- (11) Pull the disconnected lead wire out from the electrical box.
- (12) Push up the upper fixture catch to remove the box, then pull the lower fixture and remove it from the box fixture.

## PHOTOS

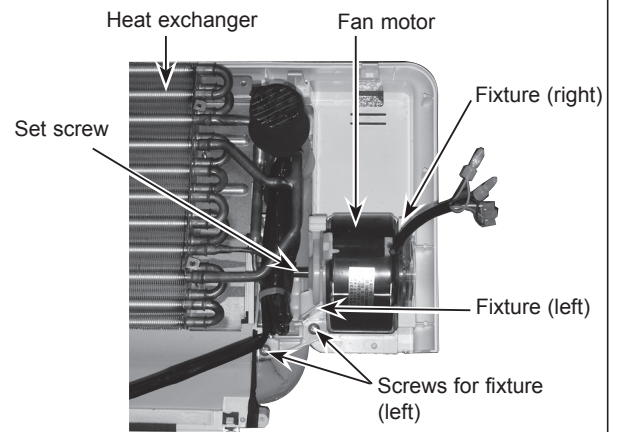
**Photo 6**



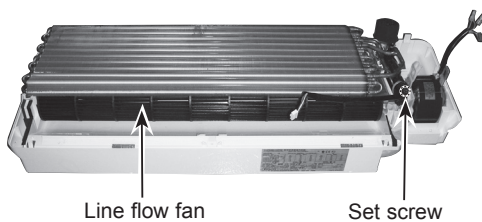
### 7. Removing the line flow fan and the fan motor

- (1) Remove the front panel. (Refer to procedure 2)
- (2) Remove the nozzle assembly. (Refer to procedure 4)
- (3) Remove the electrical parts box. (Refer to procedure 6)
- (4) Remove the fixture while pressing the right side of motor fixture catch. (See Photo 7)
- (5) Remove the left side of the motor fixture.
- (6) Loosen the set screw which fixes the line flow fan to the fan motor, then remove the fan motor by sliding it to the right side. (See Photo 7)
- (7) Pull the left-hand side of the heat exchanger toward you. (See Photo 9)
- (8) Remove the line flow fan.

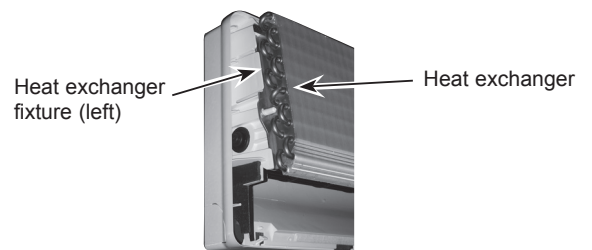
**Photo 7**

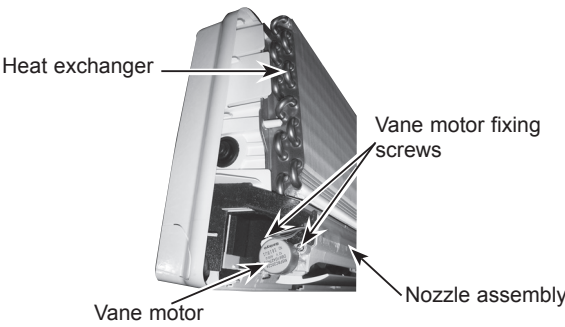
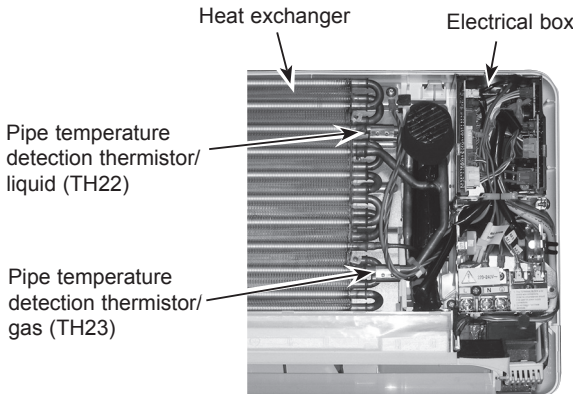


**Photo 8**



**Photo 9**



OPERATION PROCEDURE	PHOTOS
<p><b>8. Removing the vane motor</b></p> <p>(1) Remove the front panel. (Refer to procedure 2)</p> <p>(2) Remove the screw of the electrical parts box cover, and remove the cover.</p> <p>(3) Remove the 2 screws of the vane motor. (See Photo 10) Disconnect the relay connector and remove the motor from the shaft.</p> <p>(4) Disconnect the vane motor connector (CN5V) on the indoor controller board.</p>	<p><b>Photo 10</b></p> 
<p><b>9. Removing the pipe temperature detection thermistor/liquid and the pipe temperature detection thermistor/gas</b></p> <p>(1) Remove the front panel. (Refer to procedure 2)</p> <p>(2) Remove the electrical box cover. (See Photo 2)</p> <p>(3) Remove the water cut. (See Photo 3)</p> <p>(4) Cut the wiring fixed band.</p> <p>(5) Remove the pipe temperature detection thermistor/liquid (TH22) and the pipe temperature detection thermistor/gas (TH23). (See Photo 11)</p> <p>(6) Disconnect the connector (CN29) (CN21) on the indoor controller board.</p>	<p><b>Photo 11</b></p> 

# MITSUBISHI ELECTRIC CORPORATION

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 Issued: Mar. 2017 No. OCH418 REVISED EDITION-E  
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 Issued: Nov. 2011 No. OCH418 REVISED EDITION-B  
 Issued: Nov. 2008 No. OCH418 REVISED EDITION-A PDF 7  
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 Made in Japan

Specifications are subject to change without notice.