

DRAIN PAN HEATER [KEH082A41]  
INSTALLATION MANUAL

Safety Considerations

Give this installation manual to the user when installation is completed.

- Read these **Safety Considerations** carefully to ensure correct installation.
- After completing the installation, make sure that the unit operates properly during the startup operation.
- All phases of the field-installation, including, but not limited to, electrical, piping, and safety, must be done in accordance with manufacturer's instructions and must comply with national, state, provincial, and local codes.
- This product is a heater designed to melt snow that is blown into the product from the outside to prevent the drain pan of the outdoor unit from freezing.
- Install the product with a snow-break hood on a high stand if this product is used in heavy snow areas.
- Meaning of **DANGER**, **WARNING** and **CAUTION** symbols:

**DANGER** : Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.






**WARNING** : Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION** : Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

**DANGER**

- Do not touch the heater unit without wearing gloves. The temperature of the heater unit will become high when the heater is turned on. Touching the heater unit with bare hands will result in burns or injury.

Accessories

Ⓐ Drain pan heater		1	Ⓑ Piercing screw (use for making holes) M4 × 1/2" (M4 × 12mm)		2
Ⓒ Screw M4 × 5/16" (M4 × 8mm)		5	Ⓓ Information label		1
Ⓔ Installation Manual		1			

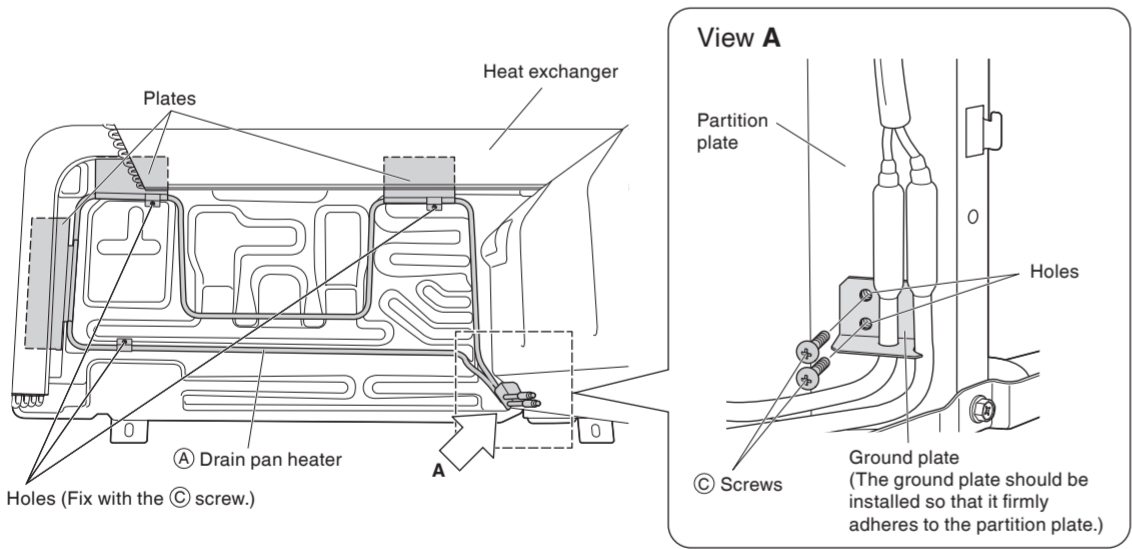
Installation Procedure (2)

2. Install the Ⓐ drain pan heater.

**CAUTION**

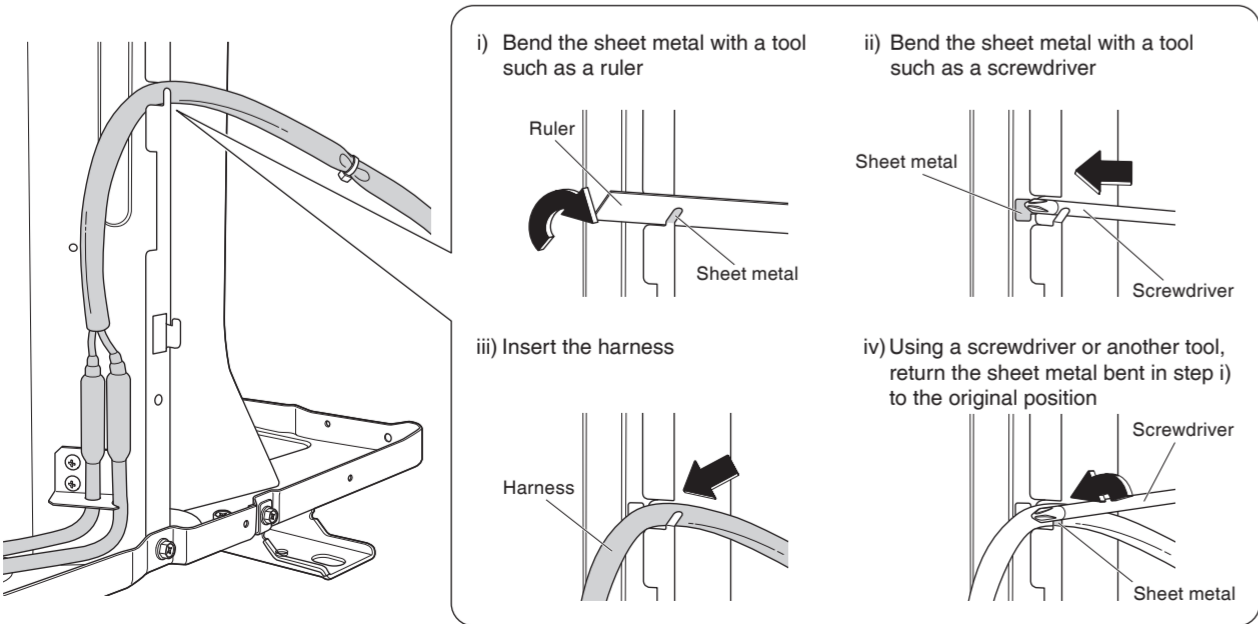
- When drilling a hole, be careful not to damage the soundproofing material and other components on the back side.

- Insert the plates of the Ⓐ drain pan heater under the heat exchanger.
- If there are no holes, drill  $\phi 1/8$  inch ( $\phi 3.2\text{mm}$ ) holes in the bottom frame and the partition plate to fix the Ⓐ drain pan heater.
  - Place the actual components to ensure positioning is correct before drilling holes.
  - The holes can be made with the Ⓑ piercing screw as well.
- After holes are made, fix the Ⓐ drain pan heater with the Ⓒ screws. (Do not fix with the Ⓑ piercing screws.)



3. Route the harnesses.

- Flex the sheet metal of the outdoor unit and pull the harness around.



Tools Required for Installation

- Electric drill
- $\phi 1/8$  inch ( $\phi 3.2\text{mm}$ ) drill
- Phillips screwdriver
- Nippers

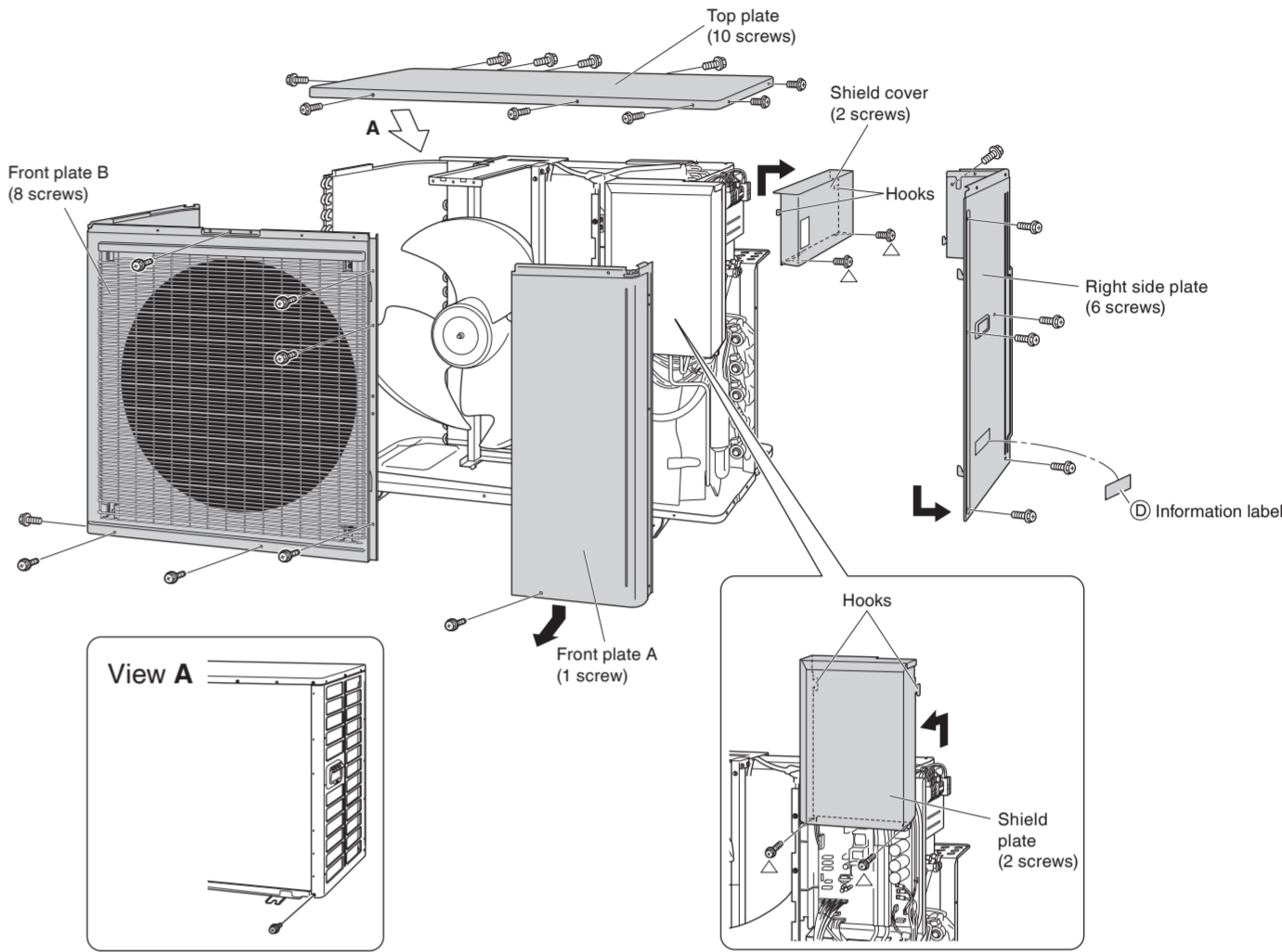
Installation Procedure (1)

**WARNING**

- Be sure to check that the power supply of the product is turned off.

1. Remove each component of the outdoor unit.

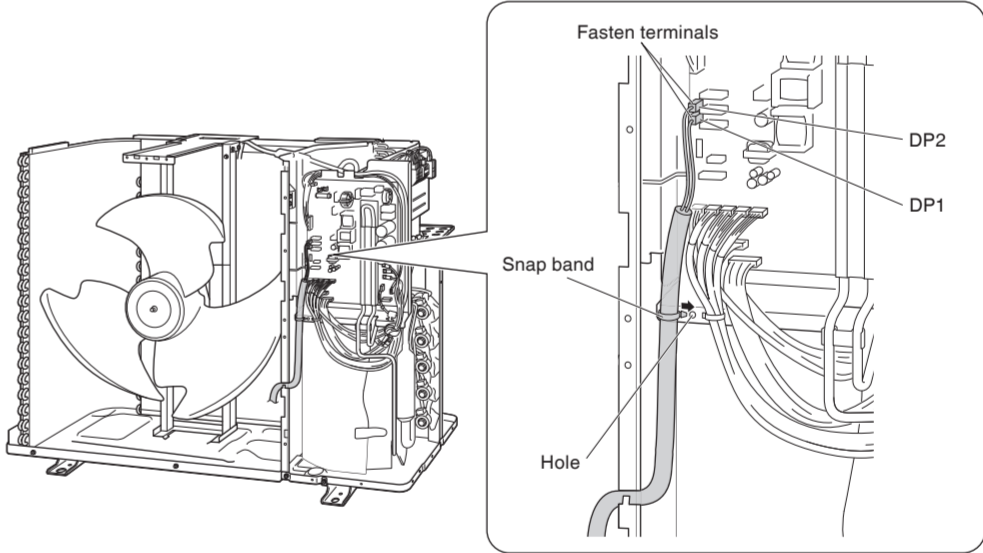
- Remove the top plate.
- Remove the right side plate.
- Remove the front plate A.
  - Front plate A is heavy, so be careful.
- Remove the front plate B.
- Remove the shield plate.
- Remove the shield cover.
- Affix the Ⓓ information label near the manufacturer's label.



- Screw types for each component are indicated as below.  
No icon: Hexagon tapping screw  
 $\triangle$  : Truss head tapping screw

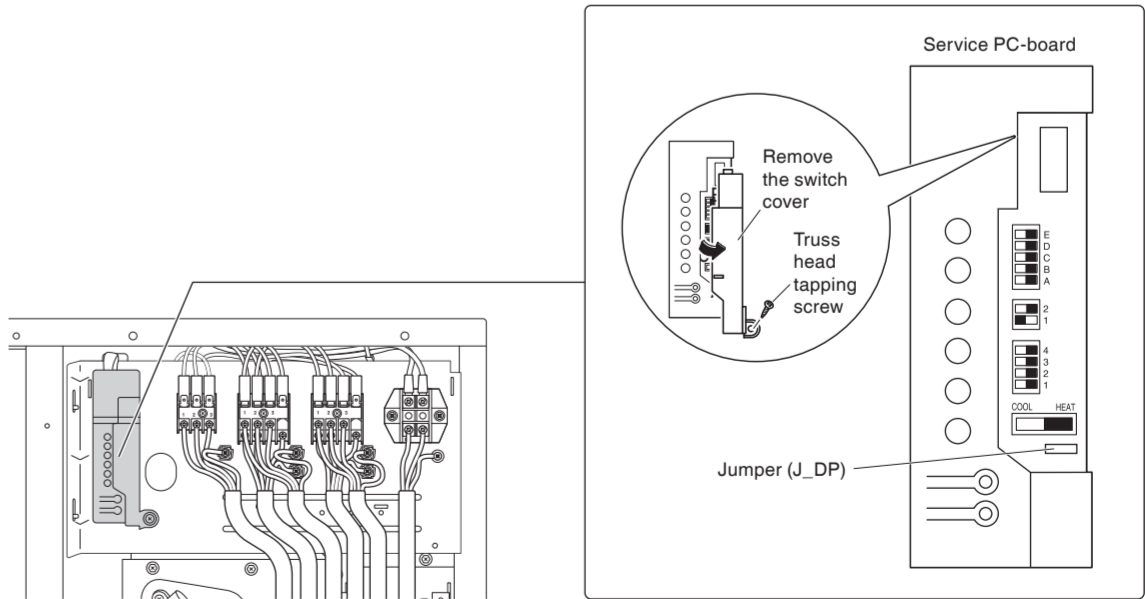
Installation Procedure (3)

- Connect the fasten terminals to DP1 and DP2 on the PC-board.
  - Either drain pan heater fasten terminal can be connected to either DP1 or DP2 with no problem.
  - Secure the harness snap band in the hole in the sheet metal.



4. Cut the jumper.

- Using a tool such as nippers, cut the jumper (J\_DP) on the service PC-board.
- Using the removed truss head tapping screw, reattach the switch cover.



5. Install each component to the original position.

- Be careful not to confuse screw types. Refer to "Installation Procedure (1)".
- Install so that the shield cover and shield plate hooks (2 locations each) are securely engaged.