



## ABC I/P PRINTED CIRCUIT BOARD KIT

READ THE INSTRUCTIONS PROVIDED HEREIN CAREFULLY IN ADVANCE AND INSTALL THIS KIT CORRECTLY.

BRP2A81

1P237872-1

### PLEASE READ THESE "SAFETY PRECAUTIONS" CAREFULLY BEFORE INSTALLING

- The following two conventions are used to indicate and classify precautions in this manual.
- Always read the important safety information provided with them.

#### WARNING

Failure to follow these instructions properly may result in personal injury or loss of life.

#### CAUTION

Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

- Make sure that the unit operator properly after completing the installation, and explain to the customer how to operate the unit and keep it maintained.
- Also, advise the customer that they should keep this installation manual along with other manual for future reference.
- At the time of the installation, read the installation manual of the unit along with the electric diagram.

#### WARNING

Ask your dealer or qualified personnel to carry out installation work. Do not attempt to install the air conditioner yourself. Improper installation may result in water leakage, electric shocks or fire.

Install the I/P in accordance with the instructions in this installation manual.

Be sure to use only the specified accessories and parts for the installation work. Failure to use the specified parts may cause the kit to fail or result in electric shocks or fire.

Make certain that all electrical work is carried out by qualified personnel according to the local laws and regulations and this installation manual, using a separate circuit. Insufficient capacity of the power supply circuit or improper electrical construction may lead to electric shocks or fire.

Turn off the unit before touching electrical parts. An electric shock may be received if charged parts come in contact with humans.

Be sure to use the specified wires and fix them securely so that no external force resulting from the wires will be imposed on any terminal connections.

Improper connections or securing of wires may result in abnormal heat build-up or fire.

Position the wires so that the cover will not rise when wiring the power supply. Make sure that the cover is attached securely, if the cover is attached improperly, electric shocks or fire may result.

#### CAUTION

Do not install this kit in the following locations:

1. Where there is a high concentration of mineral oil spray or vapor for example a kitchen.
2. Where corrosive gas, such as sulfuric acid gas, is produced, acid or alkaline steam gaseous, or the air contains a high salt content, such as places by the sea. Parts may be corroded and fall off.
3. Near machinery emitting electromagnetic waves or in places with great voltage fluctuations, such as factories.
4. Where flammable gas may leak, in places with carbon fiber or ignitable dust suspended in the air or with volatile flammables such as paint thinner or gasoline, or in vehicles or vessels. Fire may result if gas leakage occurs and stays around the kit.
5. Where small animals intrude, fallen leaves gather, or weeds grow.

Small animals making contact with electrical parts can cause malfunctions, smoke or fire.

## 3 Installation Method

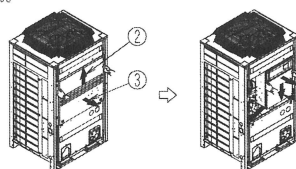
Before Installation Remove the front panel and Electrical Components Box cover.

for RXYQ 72~120, 168~240PTJU

for RXYQ 72~240PYDN

for RXYQ 168~240PTJU

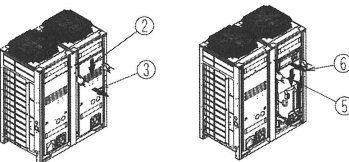
for RXYQ 144~240PYDN



for RXYQ144PTJU

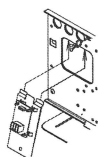
for RXYQ 72~144PTJU

for RXYQ 72~120PYDN



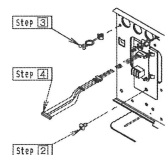
- ①: Remove the screws on the front cover.
- ②: Slightly lift the panel.
- ③: Pull the panel then forward and remove it.
- ④: Remove the 4 screws on the Electrical Components Box cover.
- ⑤: Pull the cover downward till its top shows.
- ⑥: Pull the cover then forward and remove it.

### Step 1



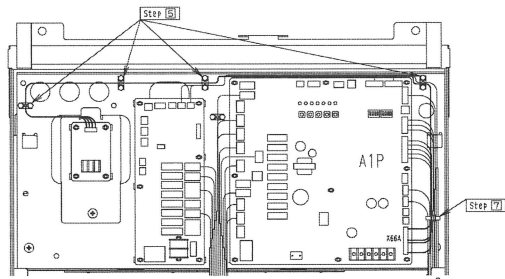
Step 1 : As shown in the upper figure, fit ABC I/P printed circuit board kit in the opening.

### Step 2 ~ Step 4



- Step 2 : Fix ABC I/P printed circuit board kit with the screw.
- Step 3 : Mount harness clamp
- Step 4 : Connect the wire harness assy to the ABC I/P printed circuit board(X1A).

### Step 5 ~ Step 6

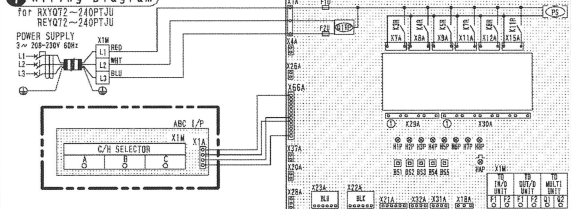


- Step 5 : Proceed wiring of wire harness assy, as shown in the upper figure.
- Step 6 : Connect the wire harness assy to the A1P(X66A).
- Step 7 : Fasten the wire harness assy together with other wires using clamp material.

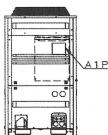
## 4 After Assembling

1. Please check after all the procedures are followed to make sure there is no such connector/terminal in the Electrical Components Box left disconnected.
2. Put back the Electrical Components Box cover in the reverse way as it was removed.
3. Put back the front panel in the reverse way as it was taken off.

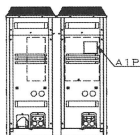
## 1 Wiring Diagram



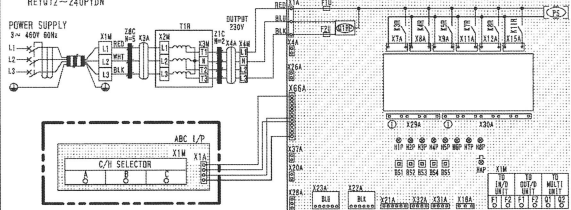
• RXYQ 72~120PTJU  
RXYQ168~240PTJU  
RXYQ168~240PYDN



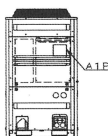
• RXYQ144PTJU  
RXYQ 72~144PTJU



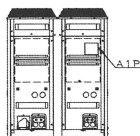
for RXYQ72~240PYDN  
RXYQ72~240PYDN



• RXYQ 72~240PYDN  
RXYQ144~240PYDN



• RXYQ 72~120PYDN



## 2 Components

- Please make sure all the below listed components are in the package prior to the installation.

Installation Manual	ABC I/P printed board kit	Wire harness assy	Clamp material	Harness clamp	1 TIGHT HEAD MACHINE
1 COPY	1 PC.	1 PC.	1 PC.	1 PC.	1 PC.