

# Refrigerant R410A Duct Type SPLIT TYPE AIR CONDITIONER INSTALLATION INSTRUCTION SHEET

(PART NO. 9364658049)

- WARNING** This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.
- CAUTION** This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user, or damage to property.

## This air conditioner uses new refrigerant HFC (R410A).

The basic installation work procedures are the same as conventional refrigerant (R22) models. However, pay careful attention to the following points:

- Since the working pressure is 1.6 times higher than that of conventional refrigerant (R22) models, some of the piping and installation and service tools are special. (See the table below.) Especially, when replacing a conventional refrigerant (R22) model with a new refrigerant R410A model, always replace the conventional piping and flare nuts with the R410A piping and flare nuts.
- Models that use refrigerant R410A have a different charging port thread diameter to prevent erroneous charging with conventional refrigerant (R22) and for safety. Therefore, check beforehand. (The charging port thread diameter for R410A is 1/2 UNF 20 threads per inch.)
- Be more careful that foreign matter (oil, water, etc.) does not enter the piping than with refrigerant (R22) models. Also, when storing the piping, securely seal the openings by pinching, taping, etc.
- When charging the refrigerant, take into account the slight change in the composition of the gas and liquid phases, and always charge from the liquid phase side whose composition is stable.

### Special tools for R410A

Tool name	Contents of change
Gauge manifold	Pressure is high and cannot be measured with a conventional gauge. To prevent erroneous mixing of other refrigerants, the diameter of each port has been changed. It is recommended the gauge with seals -0.1 to 5.3 MPa (-76 cmHg to 53 kgf/cm <sup>2</sup> ) for high pressure. -0.1 to 3.8 MPa (-76 cmHg to 38 kgf/cm <sup>2</sup> ) for low pressure.
Charge hose	To increase pressure resistance, the hose material and base size were changed.
Vacuum pump	A conventional vacuum pump can be used by installing a vacuum pump adapter.
Gas leakage detector	Special gas leakage detector for HFC refrigerant R410A.

### Copper pipes

It is necessary to use seamless copper pipes and it is desirable that the amount of residual oil is less than 40 mg/10 m. Do not use copper pipes having a collapsed, deformed or discolored portion (especially on the interior surface). Otherwise, the expansion valve or capillary tube may become blocked with contaminants. As an air conditioner using R410A incurs pressure higher than when using R22, it is necessary to choose adequate materials. Thicknesses of copper pipes used with R410A are as shown in Table 1. Never use copper pipes thinner than 0.8 mm (Nominal diameter is 1/4 in., 3/8 in., 1/2 in., 1.0 mm (Nominal diameter is 5/8 in.) even when it is available on the market.

Table 1 Thicknesses of Annealed Copper Pipes

Nominal diameter (inch)	Outer diameter (mm)	Thickness (mm)	
		R410A	[ref.] R22
1/4	6.35	0.80	0.80
3/8	9.52	0.80	0.80
1/2	12.70	0.80	0.80
5/8	15.88	1.00	1.00

### For authorized service personnel only.

- WARNING**
- (1) For the room air conditioner to operate satisfactorily, install it as outlined in this installation instruction sheet.
- (2) Connect the indoor unit and outdoor unit with the room air conditioner piping and cords available standards parts. This installation instruction sheet describes the correct connections using the installation set available from our standard parts.
- (3) Installation work must be performed in accordance with national wiring standards by authorized personnel only.
- (4) If refrigerant leaks while work is being carried out, ventilate the area. If the refrigerant comes in contact with a flame, it produces a toxic gas.
- (5) Do not use an extension cord.
- (6) Do not turn on the power until all installation work is complete.
  - Be careful not to scratch the room air conditioner when handling it.
  - After installation, explain correct operation to the customer, using the operating manual.
  - Let the customer keep this installation instruction sheet because it is used when the air conditioner is serviced or moved.

## SELECTING THE MOUNTING POSITION

**WARNING**  
Install at a place that can withstand the weight of the indoor and outdoor units and install positively so that the units will not topple or fall.

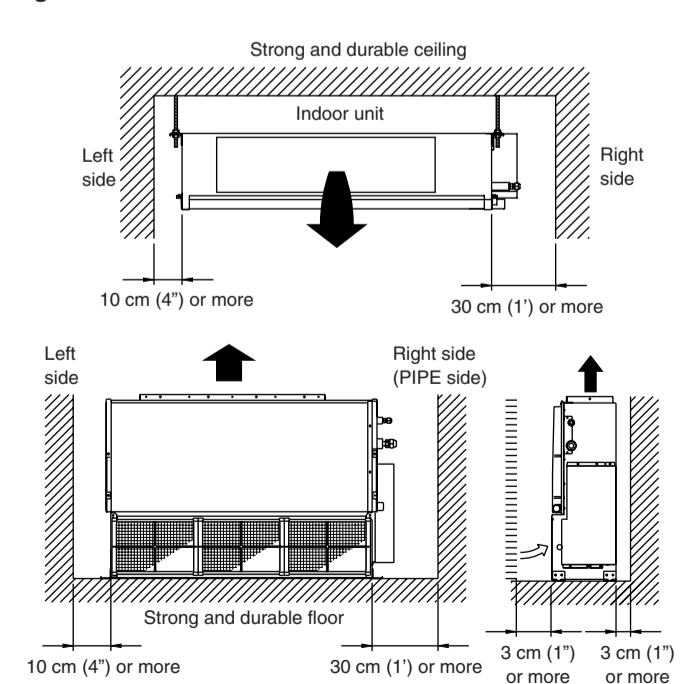
- CAUTION**
- (1) Do not install where there is the danger of combustible gas leakage.
- (2) Do not install near heat sources.
- (3) If children under 10 years old may approach the unit, take preventive measures so that they cannot reach the unit.
- (4) Take precautions to prevent the unit from falling.

Decide the mounting position with the customer as follows:

### INDOOR UNIT

- Install the indoor unit level on a strong wall, floor, ceiling which is not subject to vibration.
- The inlet and outlet ports should not be obstructed: the air should be able to blow all over the room.
- Install the unit near an electric outlet or special branch circuit.
- Do not install the unit where it will be exposed to direct sunlight.
- Install the unit where connection to the outdoor unit is easy.
- Install the unit where the drain pipe can be easily installed.
- Take servicing, etc. into consideration and leave the spaces shown in Fig. 1.
- Also install the unit where the filter can be removed.
- Install the indoor unit where vibrations and noise are not amplified.
- When installing the unit on the floor, provide an opening that will allow sufficient air to reach the air inlet panel.

Fig. 1



## STANDARD PARTS

The following installation parts are furnished. Use them as required.

### INDOOR UNIT ACCESSORIES

Name and Shape	Qty	Application
Installation template	1	For positioning the indoor unit
Hanger	4	For suspending the indoor unit from ceiling
Tapping screw (ø4 x 10)	8	For installing the hanger
Special nut A (large flange)	4	For suspending the indoor unit from ceiling
Special nut B (small flange)	4	For suspending the indoor unit from ceiling
Coupler heat insulation (large)	1	For indoor side pipe joint (large pipe)
Coupler heat insulation (small)	1	For indoor side pipe joint (small pipe)
Blinder	Small: 1, Large: 4	For remote controller and remote controller cord binding
Remote controller	1	
Remote controller cord	1	For connecting the remote controller
Tapping screw (ø4 x 16)	2	For installing the remote controller
Filter	2	7000 and 9000 BTU/h models
	3	12000, 14000, and 18000 BTU/h models
Drain hose insulation	1	Insulates the drain hose and vinyl hose connection

### OUTDOOR UNIT ACCESSORIES

Name and Shape	Qty	Application
Drain pipe	1	For outdoor unit drain piping work
Drain cap	2	Heat & Cool model (Reverse cycle) only
	1	18000 BTU/h model

## 1 INDOOR UNIT INSTALLATION

### A. CEILING CONCEALED TYPE

#### 1. INSTALL THE FILTERS

- Install the filters to the unit (Fig. 3).

Fig. 3-(1)

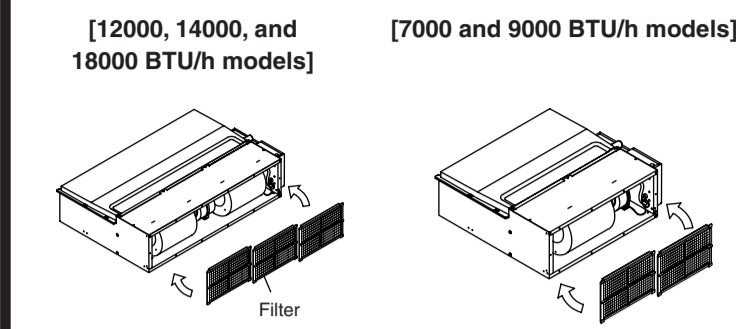
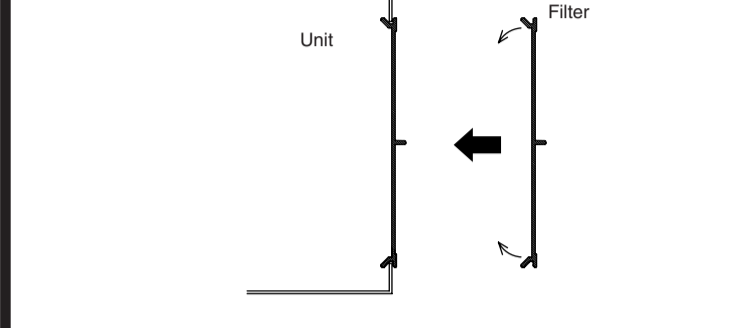


Fig. 3-(2)

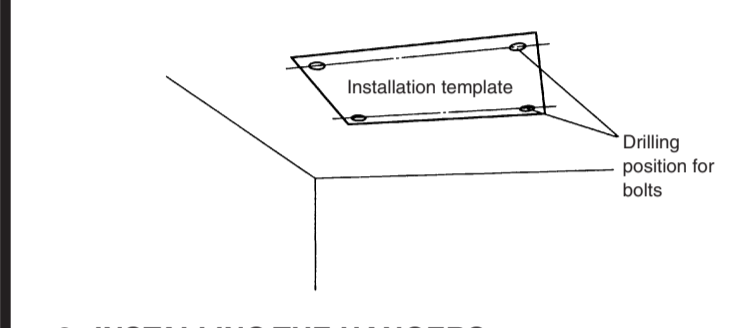


This unit may also be installed with the air inlet facing down. See also Figs. 11 and 12 for such cases.

#### 2. DRILLING HOLES FOR BOLTS AND INSTALLING THE BOLTS

- Using the installation template, drill holes for bolts (4 holes). (Fig. 4)

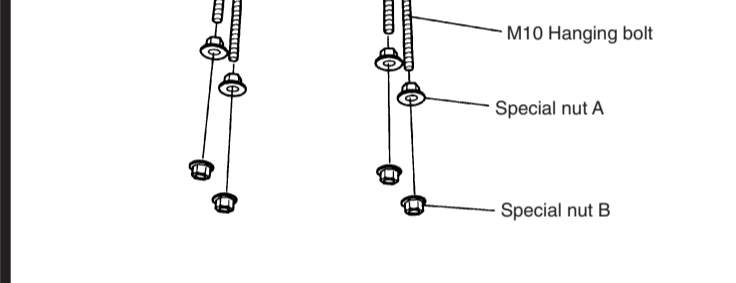
Fig. 4



#### 3. INSTALLING THE HANGERS

- Fasten the hanging bolts to the ceiling and install special nuts A and B.

Fig. 5



- Install the hangers to the unit (4 places).

Fig. 6

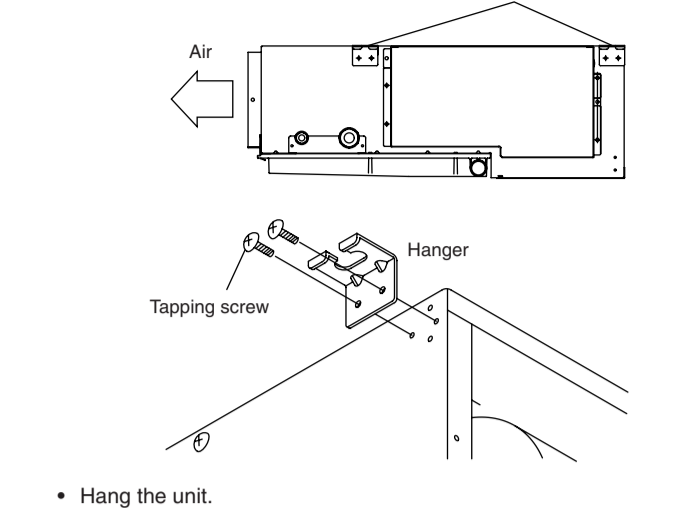
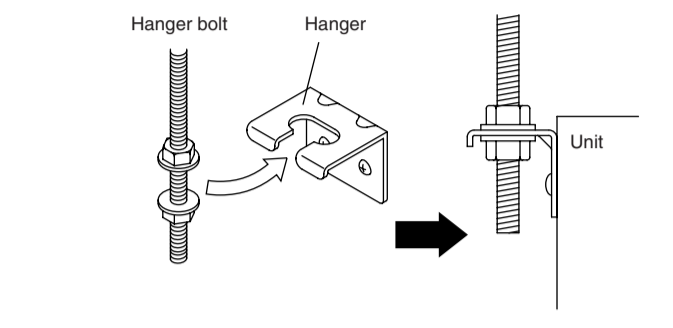


Fig. 7



**CAUTION**  
Fasten the unit securely with special nuts A and B.

#### 4. LEVELING

Base horizontal direction leveling on top of the unit.

Fig. 8

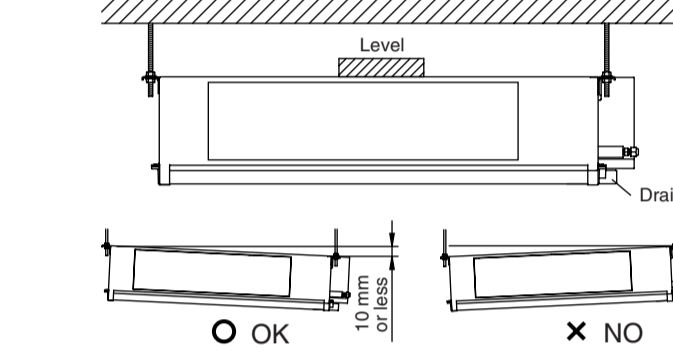
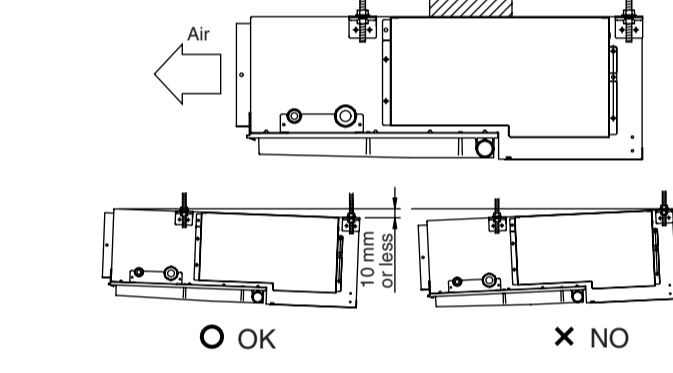


Fig. 9



## 2 OUTDOOR UNIT INSTALLATION

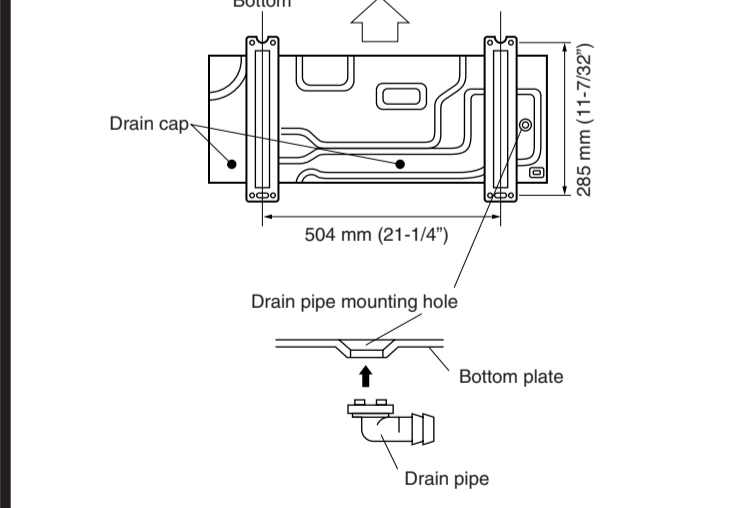
- WARNING**
- (1) Install the unit where it will not be tilted by more than 5°.
- (2) When installing the outdoor unit where it may be exposed to strong wind, fasten it securely.

- If possible, do not install the unit where it will be exposed to direct sunlight. (If necessary, install a blind that does not interfere with the air flow.)
- Install the outdoor unit in a place where it will be free from being dirty or getting wet by rain as much as possible.
- Install the unit when connection to the indoor unit is easy.
- During heating operation, drain water flows from the outdoor unit. Therefore, install the outdoor unit in a place where the drain water flow will not be obstructed. (Reverse cycle model only)
- Do not place animals and plants in the path of the warm air.
- Take the air conditioner weight into account and select a place where noise and vibration are small.
- Select a place so that the warm air and noise from the air conditioner do not disturb neighbors.
- Provide the space shown in Fig. 2 so that the air flow is not blocked. Also for efficient operation, leave open three of the four directions front, rear, and both sides.

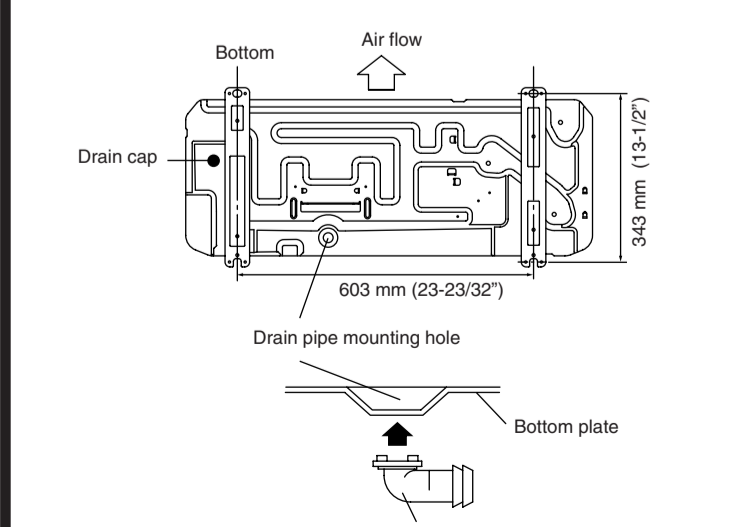
**CAUTION**  
Installation in cold regions. Do not use the accessory drain pipe and drain cap. (If the drain pipe and drain cap are used, the drain water in the pipe may freeze in extremely cold weather.)

Fig. 19

[7000, 9000, 12000 and 14000 BTU/h models]



[18000 BTU/h model]

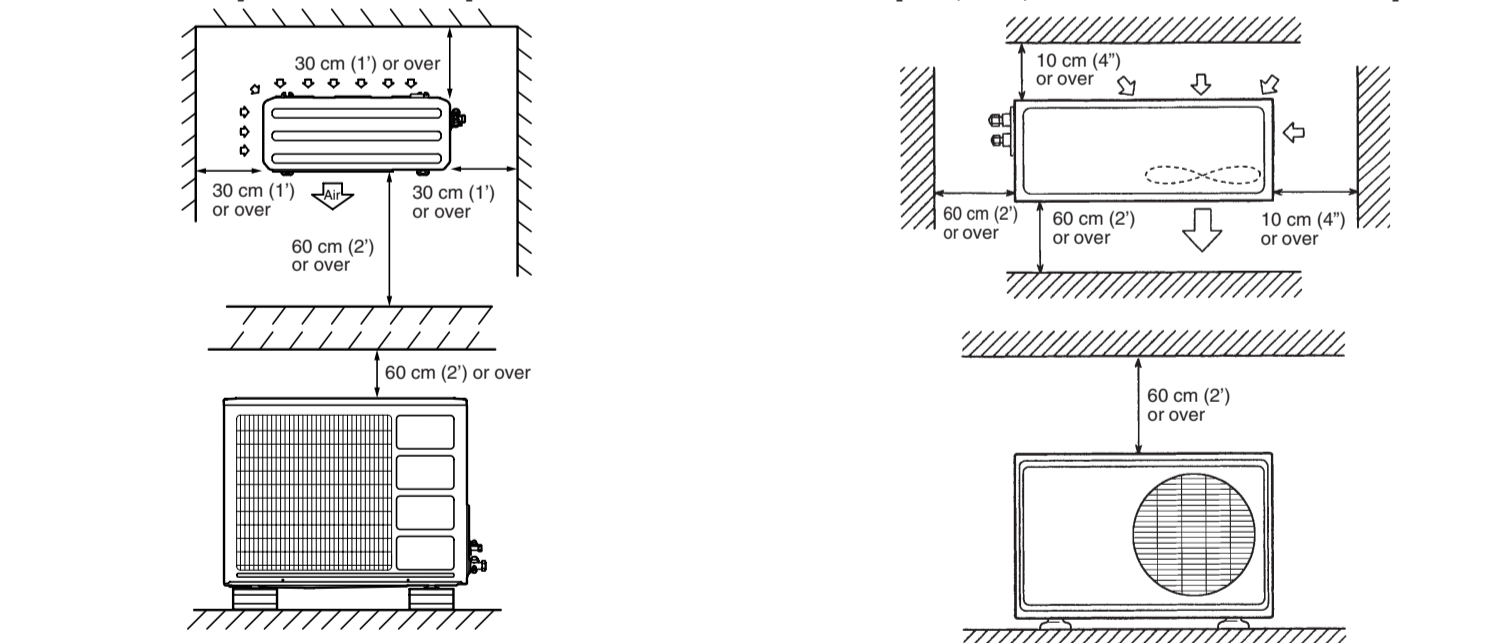


### OUTDOOR UNIT

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- If possible, do not install the unit where it will be exposed to direct sunlight. (If necessary, install a blind that does not interfere with the air flow.)
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- Take the air conditioner weight into account and select a place where noise and vibration are small.
- Select a place so that the warm air and noise from the air conditioner do not disturb neighbors.
- Provide the space shown in Fig. 2 so that the air flow is not blocked. Also for efficient operation, leave open three of the four directions front, rear, and both sides.

Fig. 2



## CONNECTION PIPE REQUIREMENT

MODEL	7000, 9000 and 12000 BTU/h models		14000 BTU/h model	18000 BTU/h model
	Small	Large	model	model
Diameter	6.35 mm (1/4 in.)	9.52 mm (3/8 in.)	6.35 mm (1/4 in.)	6.35 mm (1/4 in.)
Maximum length	15 m (49 ft)	15 m (49 ft)	15 m (49 ft)	20 m (66 ft)
Maximum Height (between indoor and outdoor)	8 m (26 ft)	8 m (26 ft)	8 m (26 ft)	8 m (26 ft)

- Use pipe with water-resistant heat insulation.

## ELECTRICAL REQUIREMENT

- Electric wire size and fuse capacity:

MODEL	7000 BTU/h model		12000 BTU/h model	18000 BTU/h model
	9000 BTU/h model	14000 BTU/h model	14000 BTU/h model	
Power supply cord (mm <sup>2</sup> )	MAX. 3.0	3.0	3.0	3.0
	MIN. 1.5	2.0	2.5	2.5
Connection cord (mm <sup>2</sup> )	MAX. 2.5	2.5	2.5	2.5
	MIN. 1.5	1.5	1.5	1.5
Fuse capacity (A)	10	15	20	

- Always use H07RN-F or equivalent to the connection cord.
- Install the disconnect device with a contact gap of at least 3 mm nearby the units. (Both indoor unit and outdoor unit)

## 3 CONNECTING THE PIPING

- WARNING**
- Do not use the existing (for R22) piping and flare nuts.
  - If the existing materials are used, the pressure inside the refrigerant cycle will rise and cause breakage, injury, etc. (Use the special R410A materials.)

**CAUTION**  
Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.

- While welding the pipes, be sure to blow dry nitrogen gas through them.
- The maximum lengths of this product are shown in table 2. If the units are further apart than this, correct operation can not be guaranteed.

**CAUTION**  
Install heat insulation around both the gas and liquid pipes. Failure to do so may cause water leaks. Use heat insulation with heat resistance above 120 °C. (Reverse cycle model only)

In addition, if the humidity level at the installation location of the refrigerant piping is expected to exceed 70%, install heat insulation around the refrigerant piping. If the expected humidity level is 70-80%, use heat insulation that is 15 mm or thicker and if the expected humidity exceeds 80%, use heat insulation that is 20 mm or thicker. If heat insulation is used that is not as thick as specified, condensation may form on the surface of the insulation. In addition, use heat insulation with heat conductivity of 0.045 W/(m·K) or less (at 20 °C).

### 1. FLARING

- Cut the connection pipe to the necessary length with a pipe cutter.
- Hold the pipe downward so that cuttings will not enter the pipe and remove the burrs.
- Insert the flare nut (always use the flare nut attached to the indoor and outdoor units respectively) onto the pipe and perform the flare processing with a flare tool.

Fig. 20

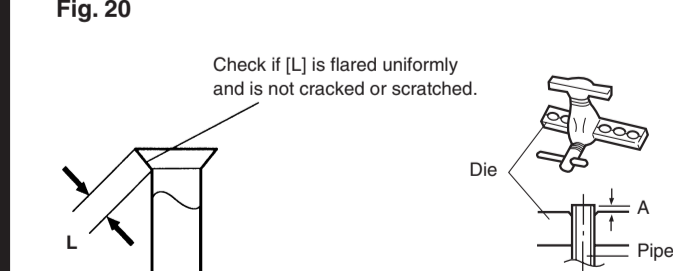


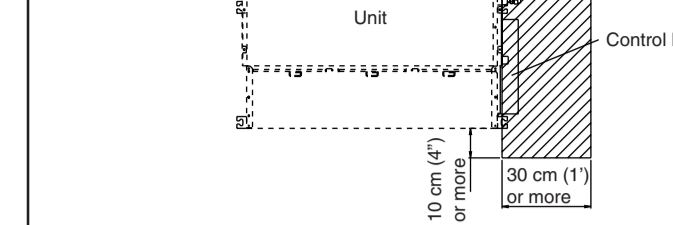
Table 4 Pipe outside diameter

Pipe outside diameter	A (mm)		
	Flare tool for R410A, clutch type	Conventional (R22) flare tool Clutch type	Wing nut type
6.35 mm (1/4 in.)	0 to 0.5	1.0 to 1.5	1.5 to 2.0
9.52 mm (3/8 in.)	0 to 0.5	1.0 to 1.5	1.5 to 2.0
12.70 mm (1/2 in.)	0 to 0.5	1.0 to 1.5	2.0 to 2.5
15.88 mm (5/8 in.)	0 to 0.5	1.0 to 1.5	2.0 to 2.5

## 5. SERVICE HOLE DIMENSIONS

Open a service hole with the dimensions shown Fig. 10.

Fig. 10



## B. FLOOR STANDING CONCEALED TYPE

### 1. INSTALL THE FILTERS

- Remove the 4 tapping screws, and then remove cover.
- Install the cover with the 4 tapping screws as shown in the illustration below.

Fig. 11 [12000, 14000, and 18000 BTU/h models]

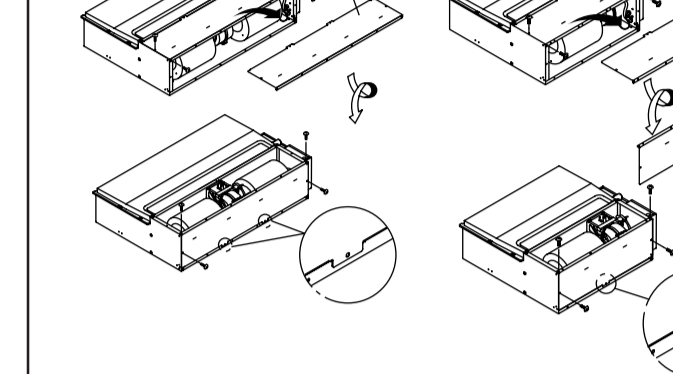
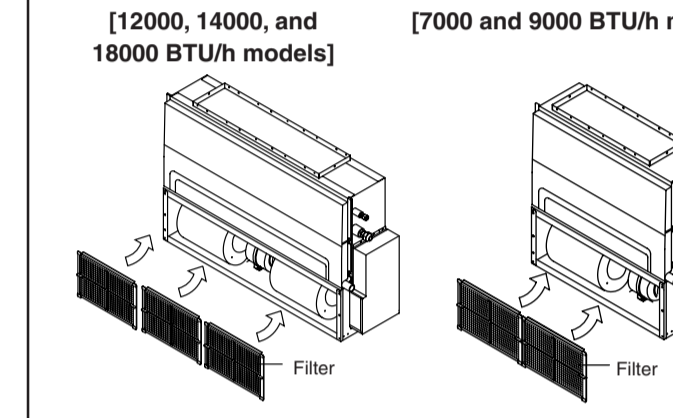


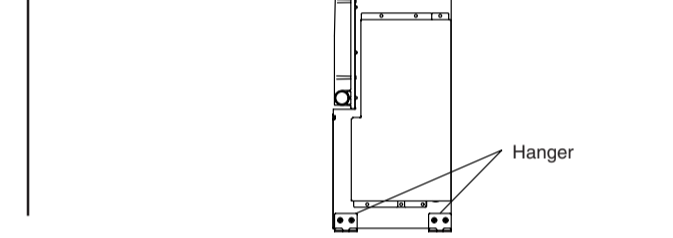
Fig. 12 [12000, 14000, and 18000 BTU/h models]



### 2. INSTALLING THE HANGERS

- Install the hangers to the unit (4 places).

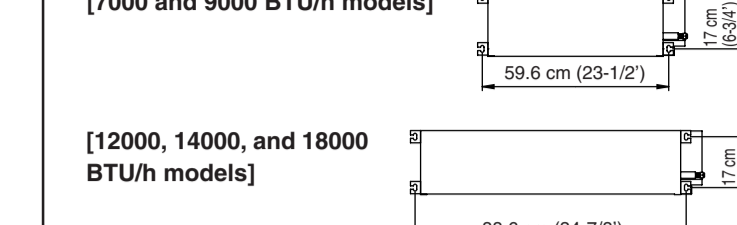
Fig. 13



## 3. DRILLING HOLES FOR BOLTS AND INSTALLING THE BOLTS

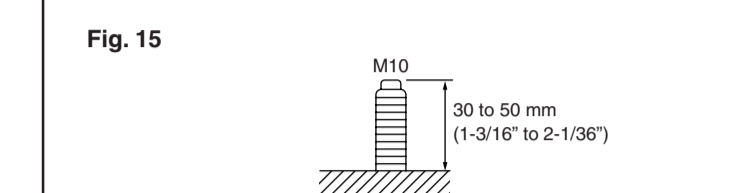
- Drilling position for bolts.

Fig. 14



**CAUTION**  
Secure with an M10 anchor bolts. If securing the unit to the floor is difficult, first build a stand or platform.

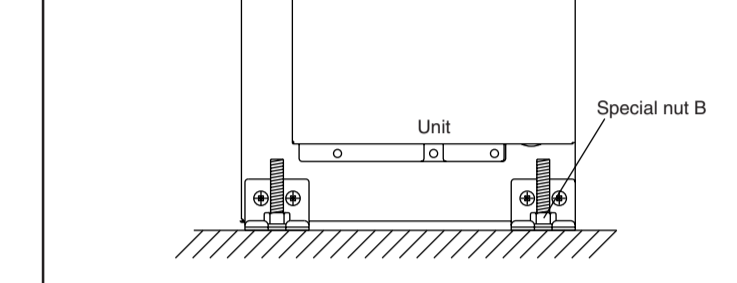
Fig. 15



## 4. INSTALL THE UNIT

- Fix the unit.
- Install the unit and fasten with special nut B.

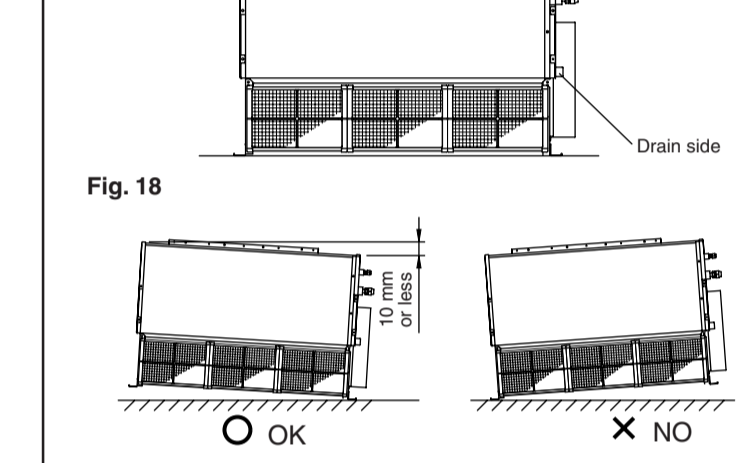
Fig. 16



## 5. LEVELING

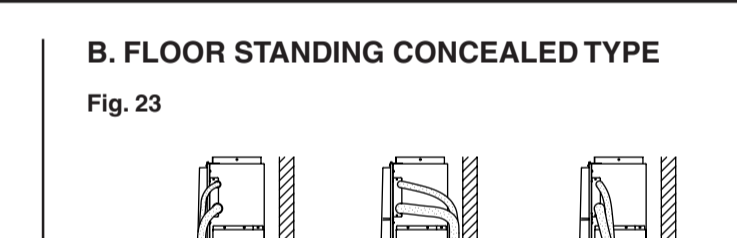
Base horizontal and vertical direction leveling on top of the unit.

Fig. 17



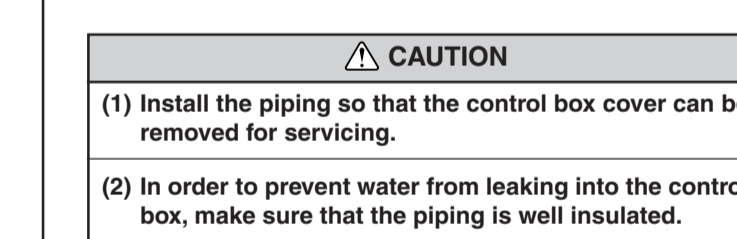
**CAUTION**  
In order to prevent water from leaking around the outlet port, make sure insulate it (on both the CEILING CONCEALED type and the FLOOR STANDING CONCEALED type).

Fig. 18



**CAUTION**  
In order to prevent water from leaking around the outlet port, make sure insulate it (on both the CEILING CONCEALED type and the FLOOR STANDING CONCEALED type).

Fig. 19



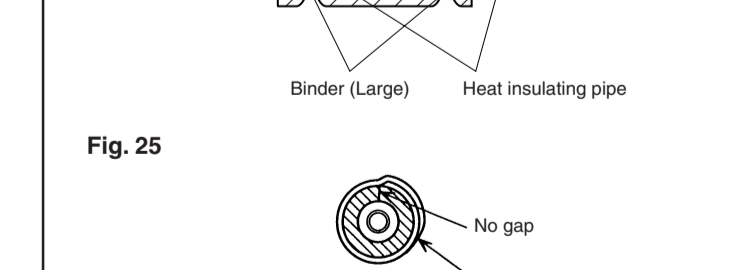
## B. FLOOR STANDING CONCEALED TYPE

- When bending the pipe, be careful not to crush it.
- To prevent crushing of the pipe, do not bend the pipe at a radius curvature of 100 mm or over.
- If the copper pipe is bent the pipe or pulled to often, it will become stiff. Do not bend the pipes more than three times at one place.

### 3. CONNECTION

- Install the outdoor unit wall cap (supplied with the optional installation set or procured at the site) to the wall hole pipe.
- Connect the outdoor unit and indoor unit piping.
- After matching the center of the flare surface and tightening the nut hand tight, tighten the nut to the specified tightening torque with a torque wrench.

Fig. 21



**CAUTION**  
Tighten with two wrenches. Wrench (fixed) Flare nut Torque wrench Indoor unit pipe Connection pipe To prevent gas leakage, coat the flare surface with alkybenzene oil (HAB). Do not use mineral oil.

Do not remove the cap from the connection pipe before connecting the pipe.

**CAUTION**  
Be sure to connect the large pipe after connecting the small pipe completely.

- Lay the piping.

### A. CEILING CONCEALED TYPE

Fig. 22





# 4 VACUUM PROCESS

**CAUTION**

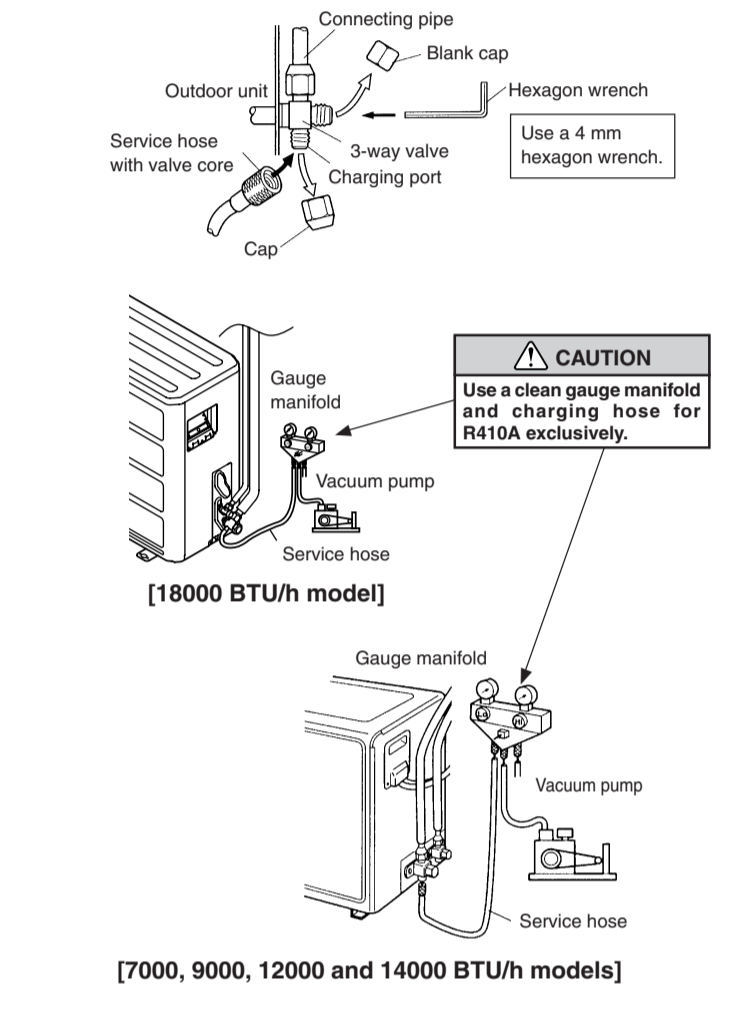
(1) Do not purge the air with refrigerants but use a vacuum pump to vacuum the installation. There is no extra refrigerant in the outdoor unit for air purging!

(2) Use a vacuum pump for R410A exclusively. Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.

- 1. VACUUM**
- Remove the cap, and connect the gauge manifold and the vacuum pump to the charging valve by the service hoses.
  - Vacuum the indoor unit and the connecting pipes until the pressure gauge indicates -0.1 MPa (-76 cmHg).
  - When -0.1 MPa (-76 cmHg) is reached, operate the vacuum pump for at least 15 minutes.
  - Disconnect the service hoses and fit the cap to the charging valve to the specified torque.
  - Remove the blank caps, and fully open the spindles of the 2-way and 3-way valves with a hexagon wrench (Torque : 6 to 7 N·m (60 to 70 kgf·cm)).
  - Tighten the blank caps of the 2-way valve and 3-way valve to the specified torque.

**Table 6 Tightening torque**

Blank cap (2-way valve)	20 to 25 N·m (200 to 250 kgf·cm)
9.52 mm (3/8 in.)	20 to 25 N·m (200 to 250 kgf·cm)
Blank cap (3-way valve)	25 to 30 N·m (250 to 300 kgf·cm)
12.70 mm (1/2 in.)	25 to 30 N·m (250 to 300 kgf·cm)
15.88 mm (5/8 in.)	30 to 35 N·m (300 to 350 kgf·cm)
Charging port cap	10 to 12 N·m (100 to 120 kgf·cm)



# 2. ADDITIONAL CHARGE

Refrigerant suitable for a piping length of 7.5 m is charged in the outdoor unit at the factory.

When the piping is longer than 7.5 m, additional charging is necessary. For the additional amount, see the table below.

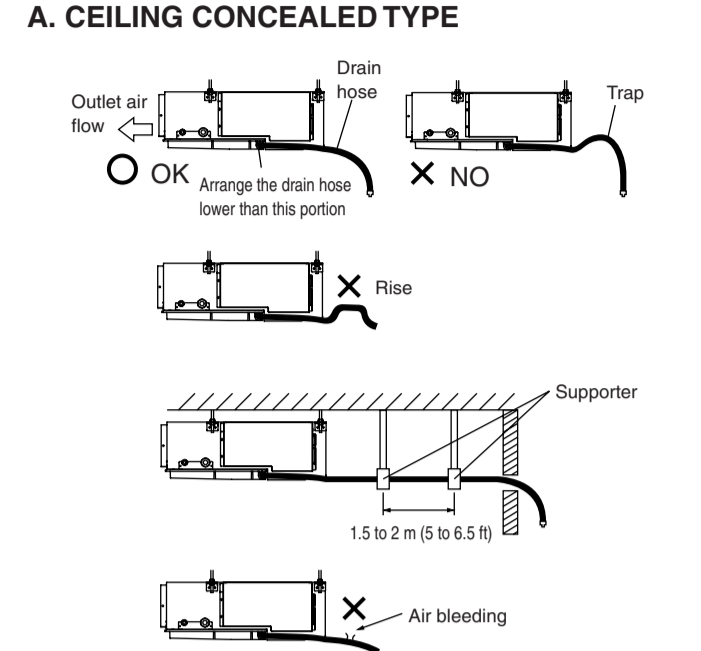
Pipe length	Additional refrigerant			
	7.5 m (25 ft)	10 m (33 ft)	15 m (49 ft)	20 m (66 ft)
7000, 9000 12000 and 14000 BTU/h models	None	37.5 g (1.3 oz)	112.5 g (4.0 oz)	15 g (0.53 oz)
18000 BTU/h model	None	50 g (1.8 oz)	150 g (5.3 oz)	250 g (8.8 oz)

- CAUTION**
- (1) When moving and installing the air conditioner, do not mix gas other than the specified refrigerant (R410A) inside the refrigerant cycle.
- (2) When charging the refrigerant R410A, always use an electronic balance for refrigerant charging (to measure the refrigerant by weight).
- (3) When charging the refrigerant, take into account the slight change in the composition of the gas and liquid phases, and always charge from the liquid phase side whose composition is stable.
- (4) Add refrigerant from the charging valve after the completion of the work.
- (5) If the units are further apart than the maximum pipe length, correct operation can not be guaranteed.

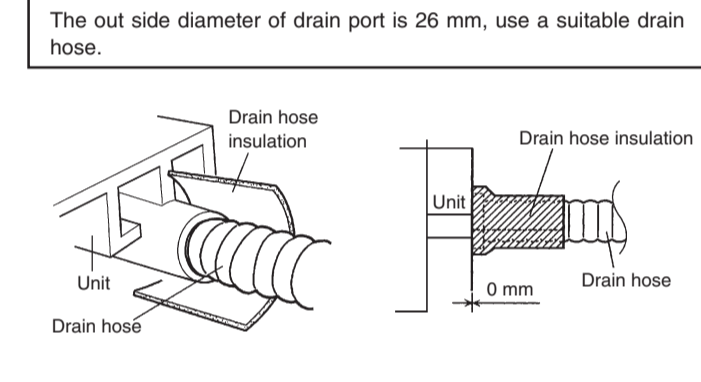
- 3. GAS LEAKAGE INSPECTION**
- CAUTION**
- After connecting the piping, check the joints for gas leakage with gas leak detector.

# 5 INSTALLING DRAIN HOSE

- INSTALL THE DRAIN HOSE**
- Install the drain hose with downward gradient (1/50 to 2/50) and so there are no rises or traps in the hose.
  - Use general hard polyvinyl chloride pipe and connect it with adhesive (polyvinyl chloride) so that there is no leakage.
  - When the hose is long, install supporters.
  - Do not perform air bleeding.
  - Always heat insulate the indoor side of the drain hose.

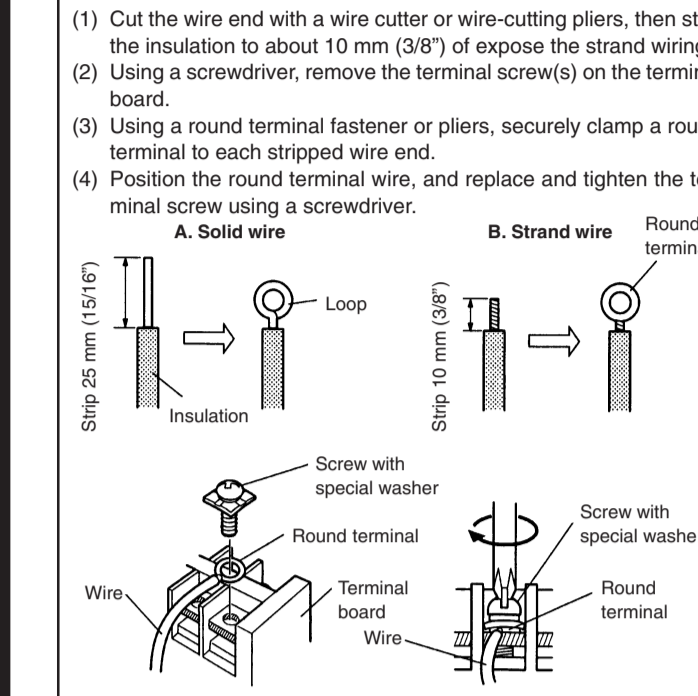


- CAUTION**
- (1) Install the drain hose so that the control box cover can be removed for servicing.
- (2) In order to prevent water from leaking into the control box, make sure that the drain hose is well insulated.
- (3) After the wiring is connected and installation of the piping and drain hose is complete, make a seal around the opening in the wall.



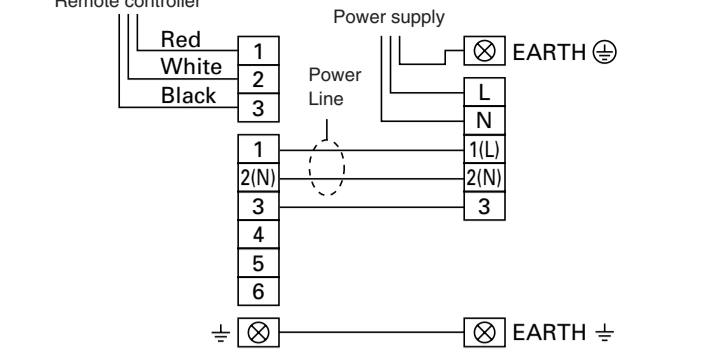
# 6 ELECTRICAL WIRING

- HOW TO CONNECT WIRING TO THE TERMINALS**
- A. For solid core wiring (or F-cable)**
- Cut the wire end with a wire cutter or wire-cutting pliers, then strip the insulation to about 25 mm (1 5/16") of expose the solid wire.
  - Using a screwdriver, remove the terminal screw(s) on the terminal board.
  - Using pliers, bend the solid wire to form a loop suitable for the terminal screw.
  - Shape the loop wire properly, place it on the terminal board and tighten securely with the terminal screw using a screwdriver.
- B. For strand wiring**
- Cut the wire end with a wire cutter or wire-cutting pliers, then strip the insulation to about 10 mm (3/8") of expose the strand wiring.
  - Using a screwdriver, remove the terminal screw(s) on the terminal board.
  - Using a round terminal fastener or pliers, securely clamp a round terminal to each stripped wire end.
  - Position the round terminal wire, and replace and tighten the terminal screw using a screwdriver.

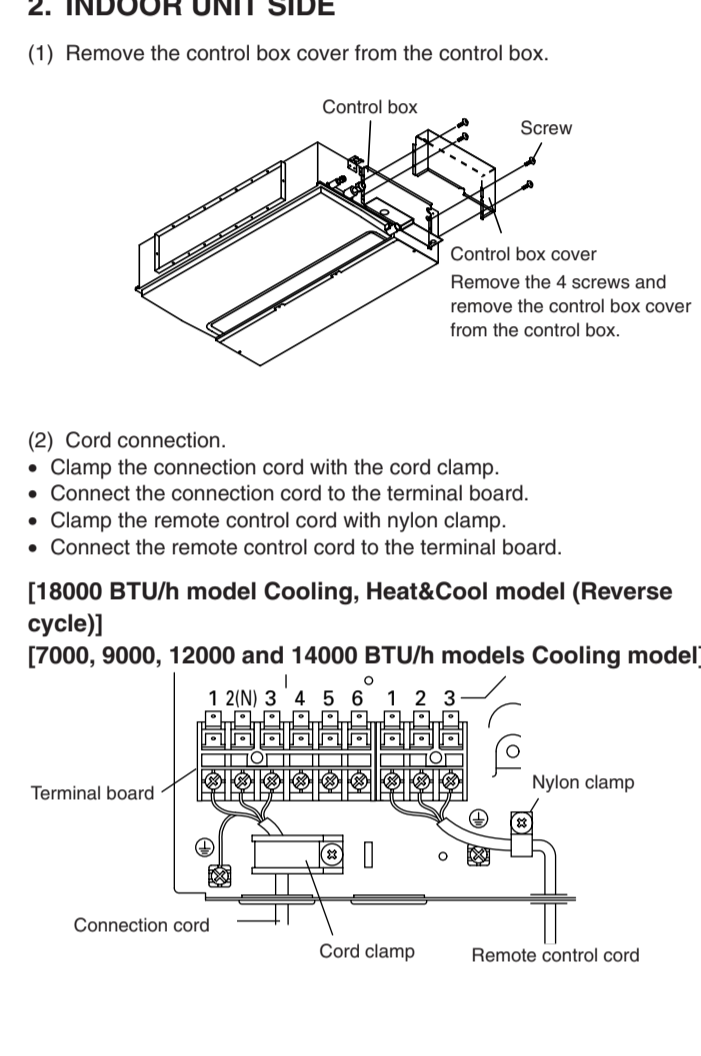


- 1. CONNECTION DIAGRAM**
- [18000 BTU/h model Cooling, Heat&Cool model (Reverse cycle)]
- 
- [7000, 9000, 12000 and 14000 BTU/h models Cooling model]
- 

# 7 POWER

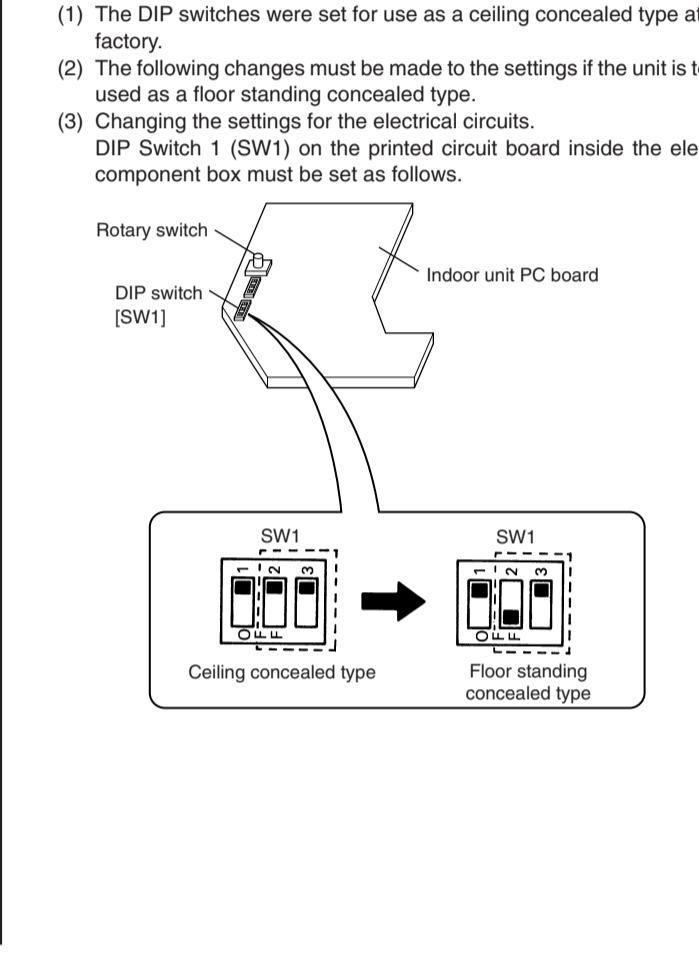
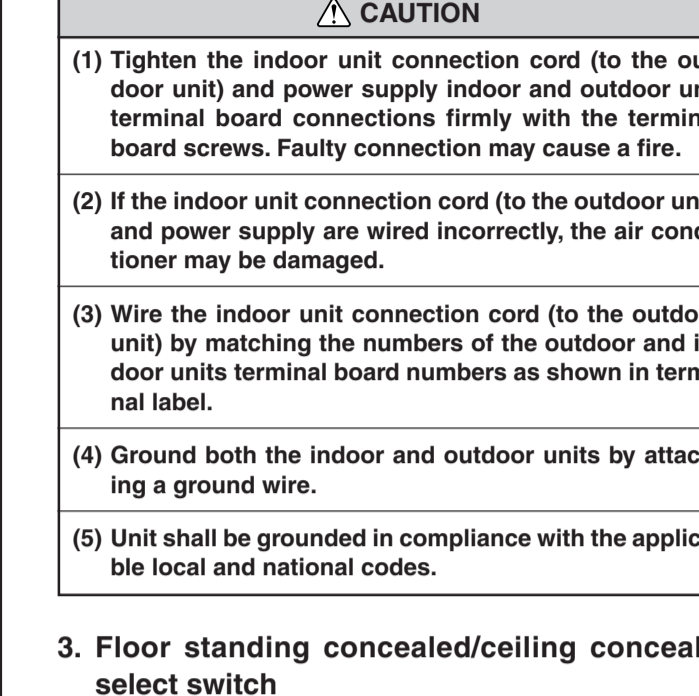


- 2. INDOOR UNIT SIDE**
- (1) Remove the control box cover from the control box.
- 
- (2) Cord connection.
- Clamp the connection cord with the cord clamp.
  - Connect the connection cord to the terminal board.
  - Clamp the remote control cord with nylon clamp.
  - Connect the remote control cord to the terminal board.



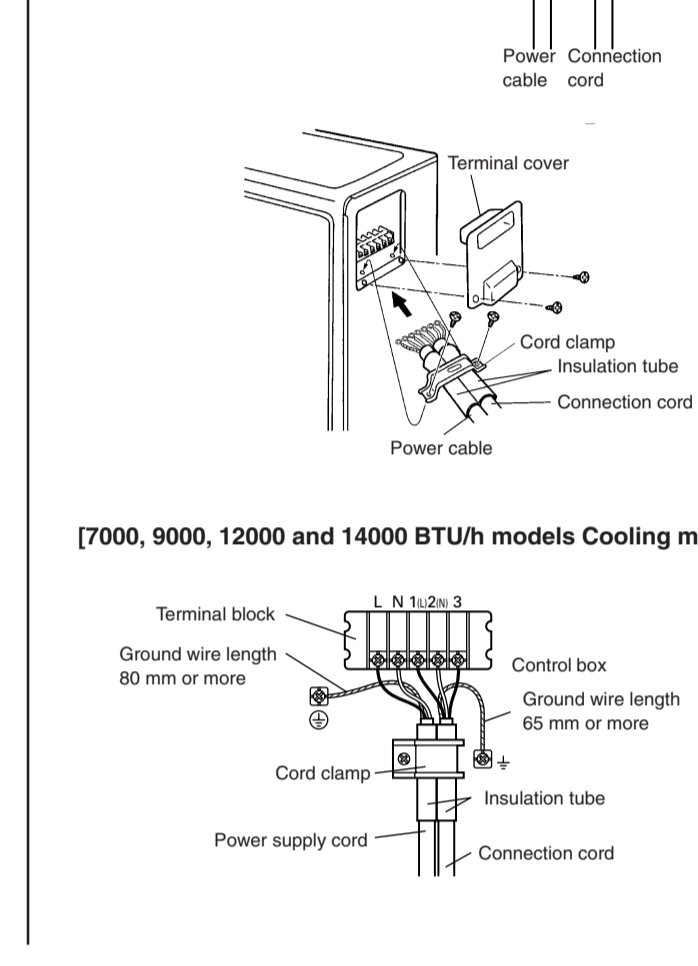
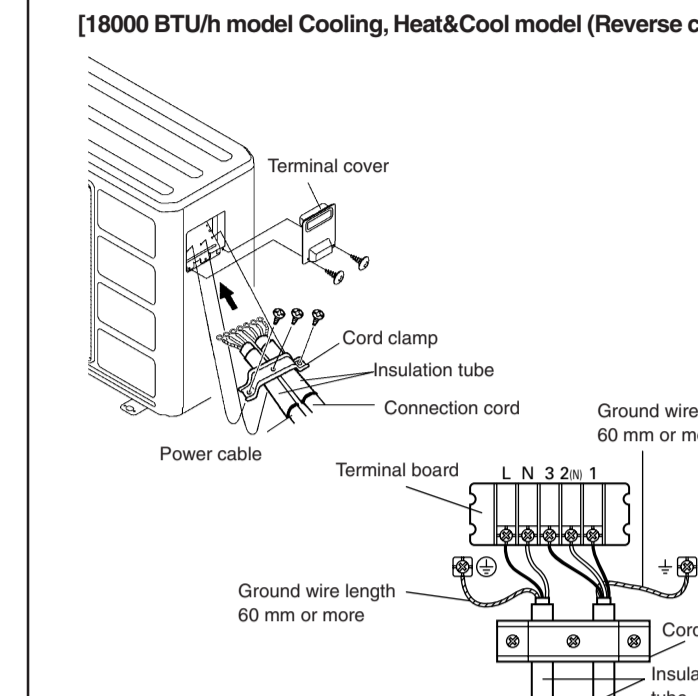
# 8 REMOTE CONTROLLER SETTING

- CAUTION**
- (1) In order to detect the room temperature correctly when using the temperature sensor of the remote controller, do not install the remote controller in a place where it will be exposed to direct sunlight or directly below the air outlet of the indoor unit.
- (2) When installing the remote controller and cord near a source of electromagnetic waves, separate the remote controller from the source of the electromagnetic waves and use shielded cord.
- (3) Do not touch the remote controller PC board and PC board parts directly with your hands.

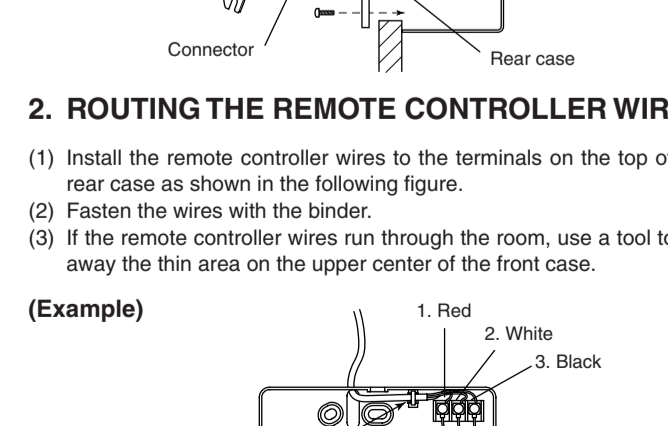
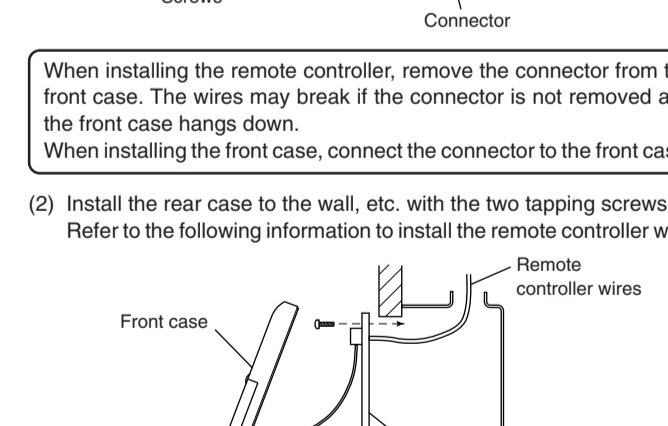
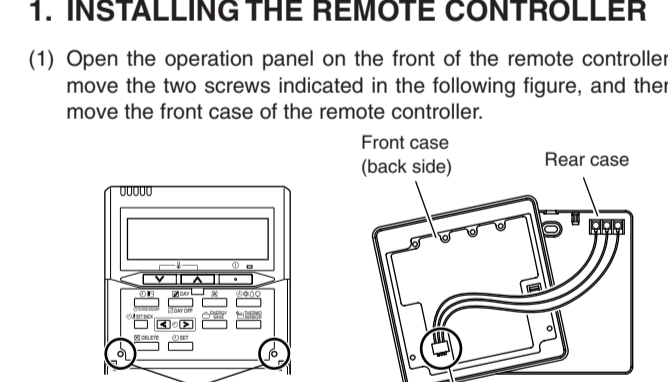
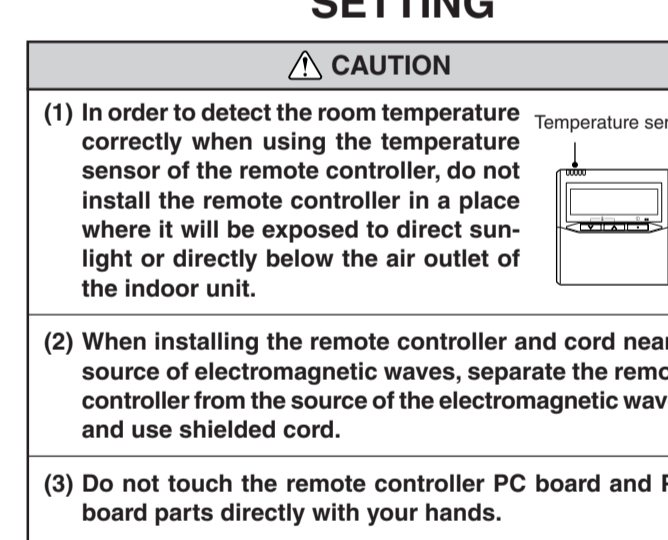


# 9 TEST RUN

- 1. REMOTE CONTROLLER DISPLAY**
- Stop the air conditioner operation.
  - Press the set temperature buttons  $\Delta$  /  $\nabla$  simultaneously for 5 seconds or more to start the self-diagnosis.
  - Press the start/stop button to stop the test run.
- [SELF-DIAGNOSIS]**
- When the error indication "E:EE" is displayed, follow the following items to perform the self-diagnosis. "E:EE" indicates an error has occurred.



# 10 STATIC PRESSURE CHARACTERISTIC



**[DIP-SWITCH SETTING]**

● Indoor unit

NO.	SW state	Detail
	OFF	ON
DIP-Switch 1	—	*
	*	—
	*	*
DIP-Switch 4	—	*
	*	—
	*	*

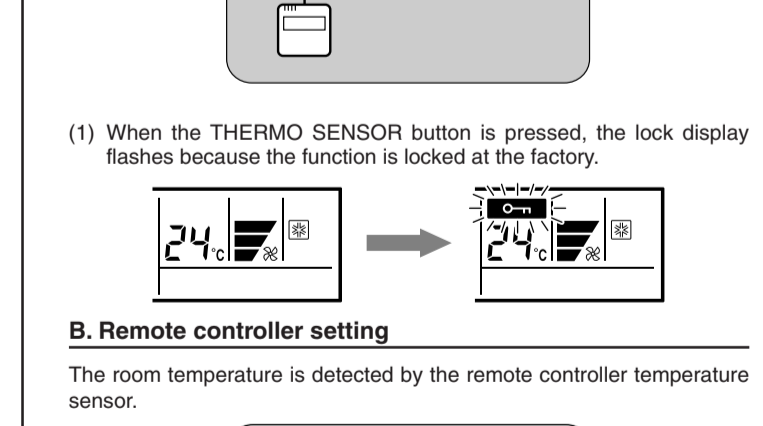
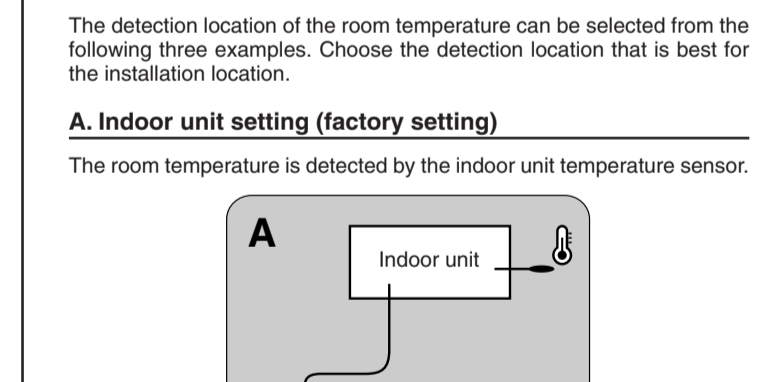
● Remote controller

NO.	SW state	Detail
	OFF	ON
DIP-Switch	—	*
	*	—
DIP-Switch	—	*
	*	—
	*	*

\* : Factory setting

# 11 SPECIAL INSTALLATION METHODS

- CAUTION**
- (1) When setting the rotary switch and DIP switches, do not touch any other parts on the circuit board directly with your bare hands.
- (2) Be sure to turn off the main power.



**[DIP-SWITCH SETTING]**

● Indoor unit

NO.	SW state	Detail
	OFF	ON
DIP-Switch 1	—	*
	*	—
	*	*
DIP-Switch 4	—	*
	*	—
	*	*

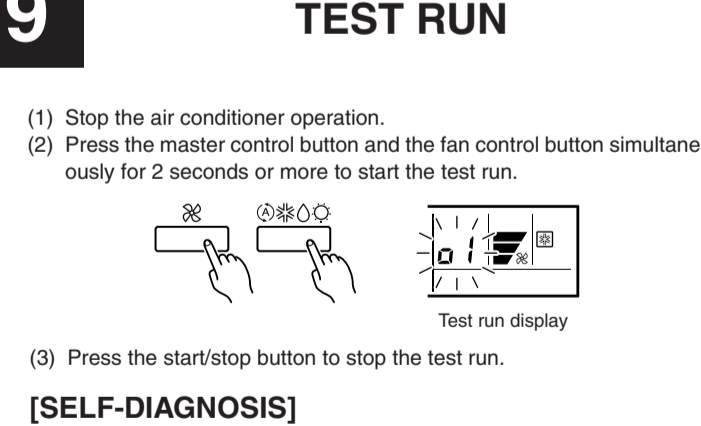
● Remote controller

NO.	SW state	Detail
	OFF	ON
DIP-Switch	—	*
	*	—
DIP-Switch	—	*
	*	—
	*	*

\* : Factory setting

# 12 ERROR CODES

Error code	Error contents
02	Room temperature sensor open
03	Room temperature sensor short-circuited
04	Indoor heat exchanger temperature sensor open
05	Indoor heat exchanger temperature sensor short-circuited
06	Outdoor heat exchanger temperature sensor open
07	Outdoor heat exchanger temperature sensor short-circuited
08	Power source connection error
09	Float switch operated
0A	Outdoor temperature sensor open
0b	Outdoor temperature sensor short-circuited
0c	Discharge pipe temperature sensor open
0d	Discharge pipe temperature sensor short-circuited
0E	Outdoor high pressure abnormal
0F	Discharge pipe temperature abnormal
11	Model abnormal
12	Indoor fan abnormal
13	Outdoor signal abnormal
14	Outdoor EEPROM abnormal



**[SELF-DIAGNOSIS]**

When the error indication "E:EE" is displayed, follow the following items to perform the self-diagnosis. "E:EE" indicates an error has occurred.

**1. REMOTE CONTROLLER DISPLAY**

- Stop the air conditioner operation.
- Press the set temperature buttons  $\Delta$  /  $\nabla$  simultaneously for 5 seconds or more to start the self-diagnosis.
- Press the start/stop button to stop the test run.

**[SELF-DIAGNOSIS]**

When the error indication "E:EE" is displayed, follow the following items to perform the self-diagnosis. "E:EE" indicates an error has occurred.

**1. REMOTE CONTROLLER DISPLAY**

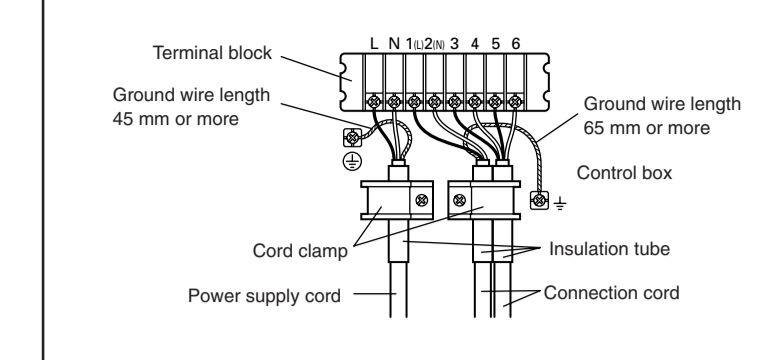
- Stop the air conditioner operation.
- Press the set temperature buttons  $\Delta$  /  $\nabla$  simultaneously for 5 seconds or more to start the self-diagnosis.
- Press the start/stop button to stop the test run.

**[SELF-DIAGNOSIS]**

When the error indication "E:EE" is displayed, follow the following items to perform the self-diagnosis. "E:EE" indicates an error has occurred.

Error code	Error contents
00	Communication error (indoor unit → remote controller)
01	Communication error (indoor unit → outdoor unit)

# 13 POWER



- 2. INDOOR UNIT SIDE**
- (1) Remove the terminal cover of the outdoor unit, and insert the end of the connection cord and the power cable into the terminal board.
- (2) Fasten the connection cord with the cord clamp, and install the terminal cover.
- 
- After passing the connection cord through the insulation tube, fasten it with the cord clamp.
- [18000 BTU/h model Cooling, Heat&Cool model (Reverse cycle)]**
- 

