Floor Console/Under Ceiling Dual Type

INSTALLATION INSTRUCTION

(PART NO. 9373067016-03)

⚠ 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:

conventional piping and flare nuts with the R410A piping and flare nuts.

(1) 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

(2) 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.]

(3) 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

(4) 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
	Pressure is high and cannot be measured with a conventional gauge. To prevent erroneous mixing of other
Course manifold	refrigerants, the diameter of each port has been changed.
Gauge manifold	It is recommended the gauge with seals -0.1 to 5.3 MPa (-76 cmHg to 53 kgf/cm²) for high pressure.
	-0.1 to 3.8 MPa (-76 cmHg to 38 kgf/cm²) 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.

6.35

0.80

0.80

0.80 0.80

- 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 value or capillary tube may become blocked with
- 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.). 1.0 mm (Nominal diameter is 5/8 in.) even when it is available on the market.

It is necessary to use seamless copper pipes and it is desirable that the amount

Name and Shape	Q'ty	Application
Cover plate (left)		
80	1	
Cover plate (right)	1	
apping screw (ø4 × 10)	2	
nstallation template		For positioning the inde

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

STANDARD PARTS

INDOOR UNIT ACCESSORIES

Installation template	1	For positioning the indoor unit For under ceiling type
Bracket (left)	1	For suspending the indoor unit from ceiling
Bracket (right)	1	

Bracket (left)	1	For suspending the indoor unit from ceiling
Bracket (right)	1	
Special nut	4	
Wall bracket		For suspending the indoor

000	1	
Tapping screw ($\emptyset4 \times 20$)		For fixing the wall bracket.
	6	
Coupler heat insulator		For indoor side pipe joint

Coupler heat insulator (large)	1	For indoor side pipe joint (Large pipe)
Coupler heat insulator (small)	1	For indoor side pipe joint (Small pipe)
Nylon fastener		For fixing the drain hose

OUTDOOR UNIT ACCESSORIES

Insulation (drain hose)

Battery (penlight)

Remote controller holder

Tapping screw (\emptyset 3 × 12)

Doggood

Adhesive type 70 × 230

For fixing the drain hose

Use for air conditioner

For remote controller

Use as remote controller

For remote controller holder

L 280 mm

Name and Shape		Q'ty	Application
Drain pipe		1	For outdoor unit drain piping work
Drain cap		1	[Heat & Cool model (Reverse cycle) only]

OPTIONAL PARTS FOR INDOOR UNIT

Name and Shape	Part No.	Application
Joint pipe-A		For indoor side pipe joi
	9302812021	

For authorized service personnel only.

	(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 cables available standards parts. The 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.

⚠ WARNING

(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 cable.

(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

Install at a place that can withstand the weight of the indoor and outdoor units and install positively so that the units will not

CAUTION

(1) Do not install where there is the danger of combustible gas leakage.

(2) Do not install near heat sources.

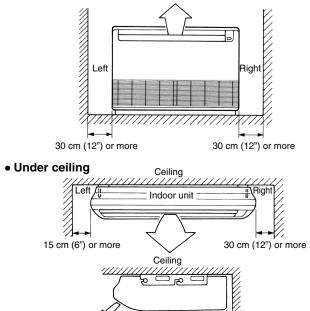
(3) If children under 10 years old may approach the unit, take preventive measures so that they cannot reach the unit.

Decide the mounting position with the customer as follows: 1. INDOOR UNIT

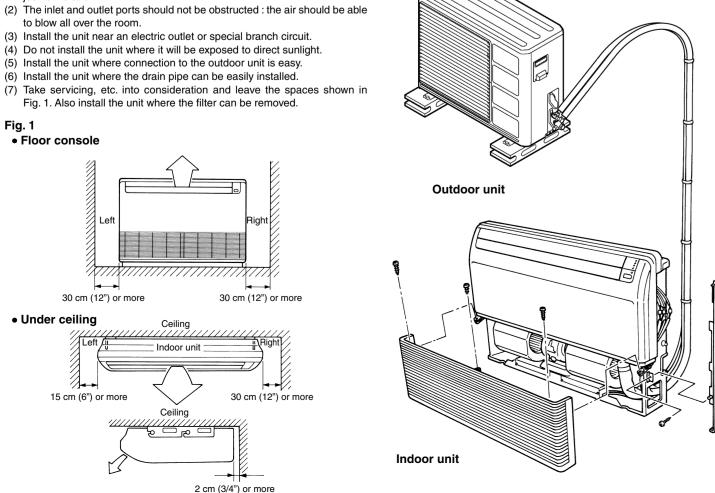
(1) Install the indoor unit level on a strong wall, floor, ceiling which is not subject to vibration.

to blow all over the room. (3) Install the unit near an electric outlet or special branch circuit. (4) Do not install the unit where it will be exposed to direct sunlight. (5) Install the unit where connection to the outdoor unit is easy.

(6) Install the unit where the drain pipe can be easily installed. (7) Take servicing, etc. into consideration and leave the spaces shown in Fig. 1. Also install the unit where the filter can be removed.



2 cm (3/4") or more



2. OUTDOOR UNIT

⚠ WARNING (2) When installing the outdoor unit where it may exposed to strong wind, fasten it securely.

(1) If possible, do not install the unit where it will exposed to direct sunlight. (If necessary, install a blind that does not interfere with the air flow.)

(3) Install the unit when connection to the indoor unit is easy.

(2) Install the outdoor unit in a place where it will be free from being dirty or getting wet by rain as much as possible.

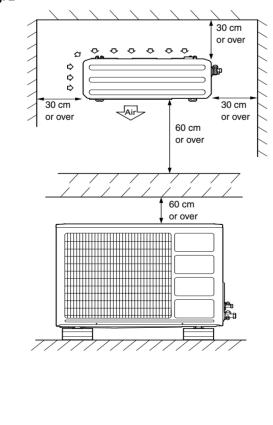
(4) During heating operation, drain water flows from the outdoor unit. Therefore, install the outdoor unit in a place where the drain water flow will not be

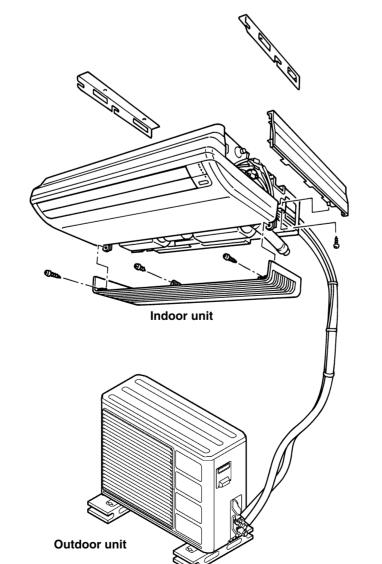
obstructed. (Reverse cycle model only) (5) Do not place animals and plants in the path of the warm air.

(6) Take the air conditioner weight into account and select a place where noise and vibration are small.

(7) Select a place so that the warm air and noise from the air conditioner do not disturb neighbors.

(8) 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





CONNECTION PIPE REQUIREMENT

MODEL		18,000 Btu class	24,000 Btu class
Diameter	Small	6.35 mm (1/4 in.)	9.52 mm (3/8 in.)
Diameter	Large	15.88 mm (5/8 in.)	15.88 mm (5/8 in.
Maximum length		20 m (66 ft)	20 m (66 ft)
Maximum height (between indoor and outdoor)		8 m (26 ft)	8 m (26 ft)

• Use pipe with water-resistant heat insulation.

INSTALLATION PROCEDURE

Install the room air conditioner as follows:

PREPARING INDOOR UNIT **INSTALLATION**

. REMOVE THE INTAKE GRILLE Open the intake grille and remove the three screws (Fig. 3).

Remark: The main unit can be wired before the indoor unit is installed. Select the most appropriate installation order.

INDOOR UNIT INSTALLATION

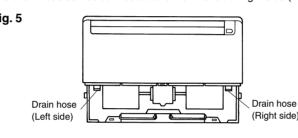
A. FLOOR CONSOLETYPE

Select piping and drain directions (Fig. 4).

1. DRILLING FOR PIPING

The drain hose can be connected to either the left or right side (Fig. 5).

The piping and drain can be made in three directions as shown below.



When the directions are selected, drill a 10 cm (4") dia. hole on the wall so that the hole is tilted downward toward the outdoor for smooth water flow. When the pipe is led out from the rear, make a hole in Fig. 6, at the posi-

OUTDOOR UNIT INSTALLATION

eration, install the drain pipe and connect it to an commercial 16 mm

When installing the drain pipe, plug all the holes (• hole at one place)

other than the drain pipe mounting hole in the bottom of the outdoor

⚠ CAUTION

2. OUTDOOR UNIT CONNECTION CABLE AND

* After removing the screws.

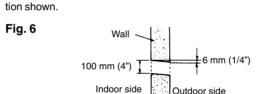
remove terminal cover.

PIPE CONNECTION PREPARATIONS

Remove outdoor unit terminal cover.

the pipe may freeze in extremely cold weather.)

unit with putty so there is no water leakage. (Fig. 22) (Heat & Cool model



1. OUTDOOR UNIT PROCESSING

hose. (Heat & Cool model (Reverse cycle) only)

minimize shock and vibration.

pipe and drain cap.

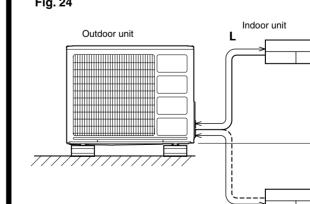
⚠ WARNING (1) Install the unit where it will not be tilted by more than 5°. (2) When installing the outdoor unit where it may exposed (Use the special R410A materials.) to strong wind, fasten it securely.

• Set the unit on a strong stand, such as one made of concrete blocks to

1) Do not use mineral oil on flared part. • Do not set the unit directly on the ground because it will cause trouble. Since the drain water flows out of the outdoor unit during heating op-

Installation in cold regions. Do not use the accessory drain (If the drain pipe and drain cap are used, the drain water in

Max length (L) 20 m (66 ft) 8 m (20 ft)



CONNECTING THE PIPING

When installing set to wall install the accessory wall bracket at the posi-

tion shown in Fig. 7, and mount the set to it.

6.5 cm (2-1/2")

2. INSTALLING THE DRAIN HOSE

nylon fastener (Fig. 8).

(Fig. 9).

10 cm (4") hole

Select whether the drain hose will be connected to the left or right side

Insert the drain hose into the drain pan, then secure the drain hose with a

Wrap the insulation (drain hose) around the drain hose connection

Be sure to arrange the drain hose so that it is leveled lower than the drain

↑ CAUTION

Do not install the unit so that the drain hose side is too

high. Height A should be less than 5 mm (Fig. 11).

hose connecting port of the indoor unit.

Arrange the drain

hose lower than this portion.

- Insulation (Drain hose)

⚠ 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

↑ CAUTION

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

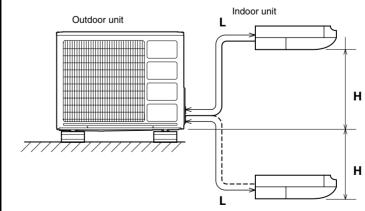
(2) Never use piping which has been used for previous installations. Only use parts which are delivered with

(3) While welding the pipes, be sure to blow dry nitrogen gas through them.

⚠ CAUTION

The maximum lengths of this product are shown in table 3 If the units are further apart than this, correct operation can not be guaranteed.

1. LIMITATION OF REFRIGERANT PIPING LENGTH



2. FLARING PROCESSING

B. UNDER CEILING TYPE

1. DRILLING FOR PIPING Select piping and drain directions (Fig. 13).

on the top or right side.

ward the outdoor for smooth water flow.

SUSPENSION BOLTS

Ceiling panel

20 to 50 mm

Bolt Strength

[If using anchor bolts]

Anchor-Bolt Strength

(Fig. 15).

(for holes) (Fig. 12).

(7-7/8")

Using the installation template, drill holes for piping and suspension bolts

!\ CAUTION

Install the drain hose at the rear; it should not be installed

When the directions are selected, drill 80 mm (3-1/8") and 50 mm (2") or

150 mm (6") dia. hole on the wall so that the hole is tilted downward to-

2. DRILLING THE HOLES AND ATTACHING THE

Drill ø25 mm holes at the suspension bolt locations, then install the bolts

Drill holes for anchor bolts at the locations at which you will set the sus-

M10 Anchor bolt

Note that anchor bolts are M10 bolts (to be obtained locally) (Fig. 16)

980 to 1470 N (100 to 150 kgf)

for suspension

(1) Cut the connection pipe to the necessary length with a pipe cutter. (2) Hold the pipe downward so that cuttings will not enter the pipe and (3) 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. Use the special R410A flare tool, or the conventional (for R22) flare

When using the conventional flare tool, always use an allowance adjustment gauge and secure the A dimension shown in table 4.

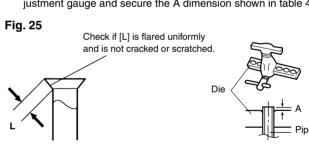


Table 4 Pipe outside diameter

Conventional (R22) flare tool Clutch type Wing nut type 1.0 to 1.5 1.5 to 2.0 0 to 0.5 1.0 to 1.5 0 to 0.5 **15.88 mm (5/8 in.)** 0 to 0.5 1.0 to 1.5 2.0 to 2.5

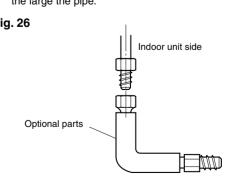
3. BENDING PIPES

(1) When bending the pipe, be careful not to crush it. (2) To prevent crushing of the pipe, do not bend the pipe at a radius cur-

vature of 100 mm or over. (3) If the copper pipe is bend the pipe or pulled to often, it will become stiff. Do not bend the pipes more than three times at one place.

4. CONNECTION PIPES

(1) Centering the pipe against port on the indoor unit, turn the flare nut with your hand (Fig. 26). Be sure that the small pipe is completely installed before connecting the large the pipe.



⚠ CAUTION Be sure to apply the pipe against the port on the indoor unit correctly. If the centering is improper, the flare nut

turn, the threads will be damaged.

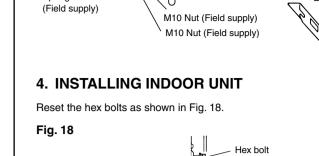
cannot be tightened smoothly. If the flare nut is forced to

M10 Nut (Field supply)

3. INSTALLING BRACKETS

Install the bracket with nuts, spring washers (Fig. 17).

Bracket (Left)



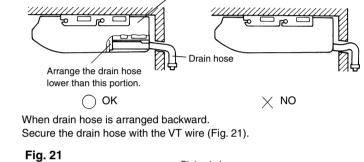
Apply the indoor unit to the brackets (Fig. 19).

Now, securely tighten the hex bolts in both sides.

5. INSTALLING THE DRAIN HOSE

Select whether the drain hose will be connected to the left or right side Insert the drain hose into the drain pan, then secure the drain hose with a Wrap the insulation (drain hose) around the drain hose connection

Be sure to arrange the drain hose so that it is leveled lower than the drain hose connecting port of the indoor unit (Fig. 20).



(2) Install the outdoor unit wall cap (supplied with the optional installation set or procured at the site) to the wall hole pipe. (3) Connect the outdoor unit and indoor unit piping. (4) After matching the center of the flare surface and tightening the nut

hand tight, tighten the nut to the specified tightening torque with a

Fig. 27

through here.

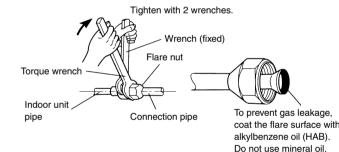


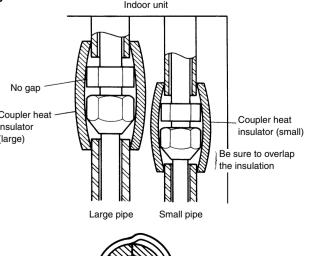
Table 5 Flare nut tightening torque

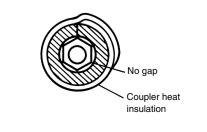
Flare nut	Tightening torque	
6.35 mm (1/4 in.) dia.	14 to 18 N · m (140 to 180 kgf · cm)	
9.52 mm (3/8 in.) dia.	33 to 42 N · m (330 to 420 kgf · cm)	
15.88 mm (5/8 in.) dia.	63 to 77 N · m (630 to 770 kgf · cm)	
Oo not remove the cap from the connection pipe before connecting the pipe.		

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

5. HEAT INSULATION ON THE PIPE JOINTS (INDOOR SIDE ONLY)

Put coupler heat insulator on the joints (indoor side only) (Fig. 28).





- Continued on back -

VACUUMING AND ADDITIONAL CHARGE

⚠ 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

- (1) Remove the cap, and connect the gauge manifold and the vacuum pump to the charging valve by the service hoses.
- (2) Vacuum the indoor unit and the connecting pipes until the pressure gauge indicates -0.1 MPa (-76 cmHg).
- (3) When -0.1 MPa (-76 cmHg) is reached, operate the vacuum pump for at least 15 minutes.
- (4) Disconnect the service hoses and fit the cap to the charging valve to the specified torque. (5) Remove the blank caps, and fully open the spindles of the 2-way and

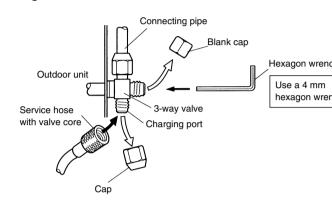
3-way valves with a hexagon wrench (Torque: 6 to 7 N · m (60 to 70

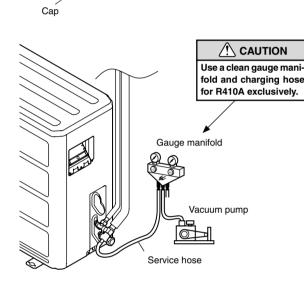
- (6) Tighten the blank caps of the 2-way valve and 3-way valve to the
- specified torque.

Table 6

	Tightening torque
Blank cap (2-way valve)	20 to 25 N · m (200 to 250 kgf · cm)
Blank cap (3-way valve)	30 to 35 N · m (300 to 350 kgf · cm)
Charging port cap	10 to 12 N · m (100 to 120 kgf · cm)

Fig. 29





2. ADDITIONAL CHARGE

Refrigerant suitable for a piping length of 7.5 m is charged in the outdoor When the piping is longer than 7.5 m, additional charging is necessary. For the additional amount, see the table below.

	14010 1					
Additional	Pipe length	7.5 m	10 m	15 m	20 m	g/m
refrigerant		(25 ft)	(33 ft)	(49 ft)	(66 ft)	(oz/ft)
Cooling model	18,000 Btu/h class 24,000 Btu/h class	None	50 g (1.8 oz)	150 g (5.3 oz)	250 g (8.9 oz)	20 g/m (0.71 oz/3.
Heat & Cool model	18,000 Btu/h class	None	50 g (1.8 oz)	150 g (5.3 oz)	250 g (8.9 oz)	20 g/m (0.71 oz/3.
(Reverse cycle)	24,000 Btu/h class	None	100 g (3.5 oz)	300 g (10.6 oz)	500 g (17.7 oz)	40 g/m (1.41 oz/3.

(1) When moving and installing the air conditioner, do not mix gas other than the specified refrigerant (R410A) inside the refrigerant cycle.

⚠ CAUTION

- (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.

GAS LEAKAGE INSPECTION

⚠ CAUTION

After connecting the piping, check the joints for gas leakage with gas leak detector.

HOW TO CONNECT WIRING TO THE TERMINALS

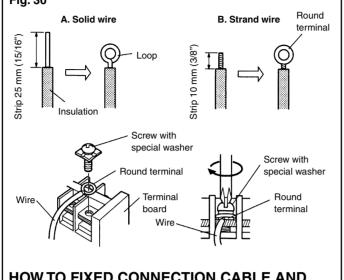
A. For solid core wiring (or F-cable)				
(1) Cut the wire end with a wire cutter or wire-cutting pliers, then strip the insulation to about 25 mm (15/16") of expose the solid wire.				
(2) Using a screwdriver, remove the terminal screw(s) on the terminal				

3) Using pliers, bend the solid wire to form a loop suitable for the

) 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. 2) Using a screwdriver, remove the terminal screw(s) on the terminal 3) 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.



HOW TO FIXED CONNECTION CABLE AND POWER CABLE AT THE CABLE CLAMP

After passing the connection cable and power cable through the insu-

lation tube, fasten it with the cable clamp.

Use VW-1, 0.5 to 1.0 mm thick, PVC tube as the insulation tube.

ELECTRICAL REQUIREMENT

· Electric wire size and fuse capacity:

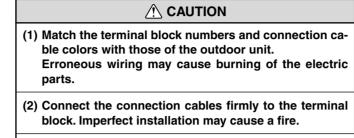
18,000 Btu class | 24,000 Btu class

 Install the disconnect device with a contact gap of at least 3 mm nearby the units. (Both indoor unit and outdoor unit)

· Always make the air conditioner power supply a special branch circuit and provide a special breaker.

• Always use H07RN-F or equivalent as the power supply cable and the

ELECTRICAL WIRING



(3) Always fasten the outside covering of the connection

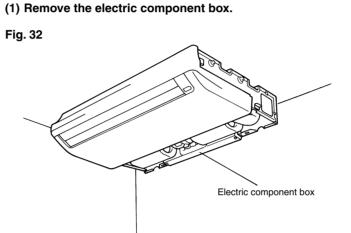
cable with the cable clamp. (If the insulator is chafed,

1. INDOOR UNIT SIDE

(1) Remove the electric component box

electric leakage may occur.)

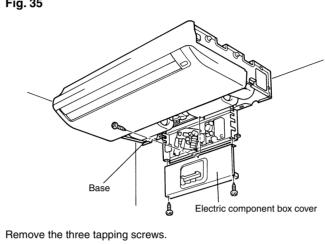
(4) Always connect the ground wire.



Remove the four !\ CAUTION tapping screws. Do not remove the screws. If the stays are removed, the electri component box will fall. (2) Pull out the electric component box.

Fig. 33

Fig. 34 (3) Remove the electric component box cover

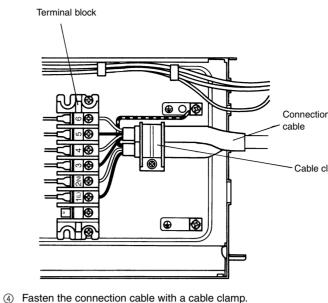


↑ CAUTION Be careful not to pinch the lead wires between the electric component box and base.

[Heat & Cool model (Reverse cycle)]

- Remove the cable clamp. 2) Process the end of the connection cables to the dimensions shown in

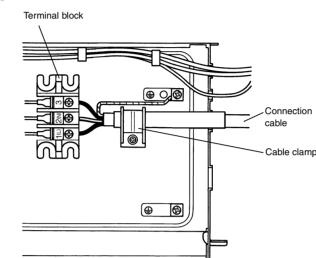
③ Connect the end of the connection cable fully into the terminal block. Fig. 36 Terminal block



⑤ Fasten the end of the connection cable with the screw.

- Remove the cable clamp. Process the end of the connection cables to the dimensions shown in
- ③ Connect the end of the connection cable fully into the terminal block.

Fig. 37 Terminal block

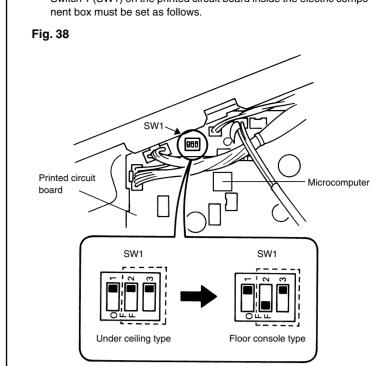


Fasten the connection cable with a cable clamp. 5 Fasten the end of the connection cable with the screw

① The electrical circuits for this were set for use as a ceiling type at the used as a floor type.

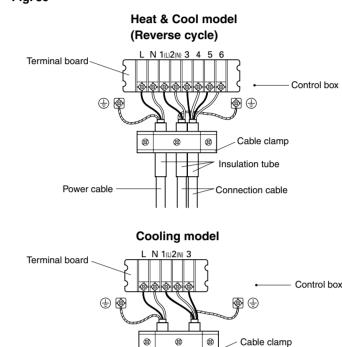
(5) Floor console/Under ceiling select switch

② The following changes must be made to the settings if the unit is to be 3 Changing the settings for the electrical circuits. Switch 1 (SW1) on the printed circuit board inside the electric compo-

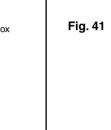


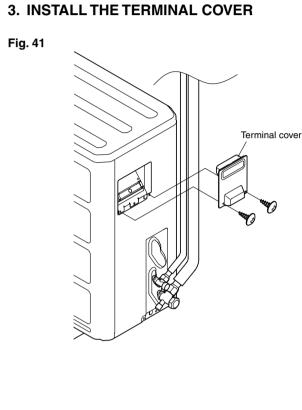
2. OUTDOOR UNIT SIDE

Fig. 39



Insulation tube





- **⚠** WARNING (1) The rated voltage of this product is 230V A.C. 50Hz.
- the 198V to 264V range. (3) Always use a special branch circuit and install a special receptacle to supply power to the room air condi-

(2) Before turning on the verify that the voltage is within

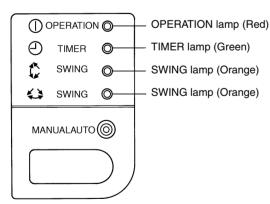
- (4) Use a circuit breaker and receptacle matched to the capacity of the room air conditioner.
- (5) The circuit breaker is installed in the permanent wiring. Always use a circuit that can trip all the poles of the wiring and has an isolation distance of at least 3 mm between the contacts of each pole.
- (6) Perform wiring work in accordance with standards so that the room air conditioner can be operated safely and positively.
- (7) Install a leakage circuit breaker in accordance with the related laws and regulations and electric company

⚠ CAUTION

- (1) The power source capacity must be the sum of the room air conditioner current and the current of other electrical appliances. When the current contracted capacity is insufficient, change the contracted capacity.
- (2) When the voltage is low and the air conditioner is difficult to start, contact the power company the voltage

• For the operation method, refer to the operating manual. • The outdoor unit may not run, depending on the room temperature. the battery compartment lid and send the 'TEST RUN' signal from the

remote controller). Fig. 42

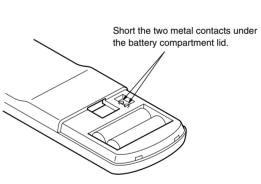


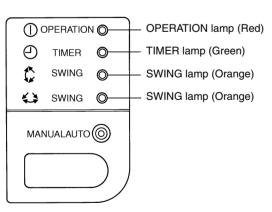
Operation can be checked by lighting and flashing of the display section OPERATION and TIMER lamps.

When the air conditioner is run by pressing the remote controller test run button, the OPERATION and TIMER lamps flash slowly at the same time.

TEST RUNNING

- Perform test operation and check items 1 and 2 below. In this case, the 'TEST RUN' signal is received during air conditioner operation (use a metallic object to short the two metal contacts under





Perform judgment in accordance with the following.

The OPERATION, TIMER and SWING lamps operate as follows (Ta-

ble 9) according to the error contents.

Table 9

Indoor unit circuit board error Indoor unit room temperature sensor Indoor unit room temperature sensor

Error display

Indoor unit fan error ○ : Fast flashing● : Slow flashing— : Off

(3) Do not air flow direction louvers operate normally?

(5) Is there any error noise and vibration during operation?

(1) Is there any error noise and vibration during operation?

(2) Will noise, wind, or drain water from the unit disturb the neighbors?

• Do not operate the air conditioner in the test running state for a long

• For the operation method, refer to the operating manual and perform

(1) Is operation of each button on the remote controller normal?

Indoor unit piping sensor short circuited 3 times

Indoor unit piping sensor opened

(2) Does each lamp light normally?

CHECK ITEMS

(1) INDOOR UNIT

(4) Is the drain normal?

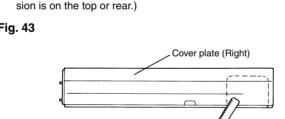
(2) OUTDOOR UNIT

operation check.

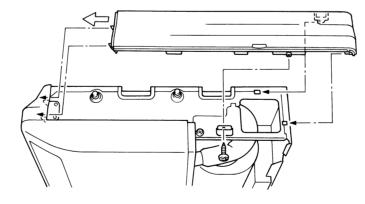
(3) Is there any gas leakage?

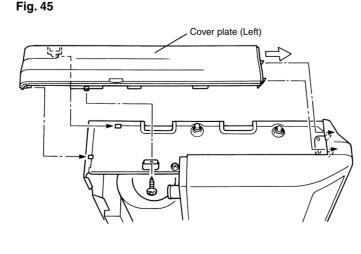
MOUNT THE COVER PLATE AND THE INTAKE GRILLE

(1) Cut a pipe exit hole in the right plate. This is only when the pipe exits from the right side. (This operation is not required when the protrusion is on the top or rear.)



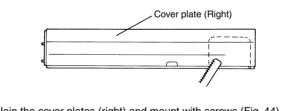
(2) Join the cover plates (right) and mount with screws (Fig. 44).





3. MOUNT THE INTAKE GRILLE

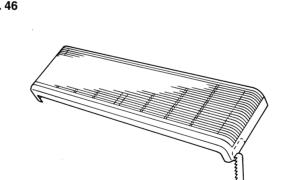
1. MOUNT THE COVER PLATE (RIGHT)



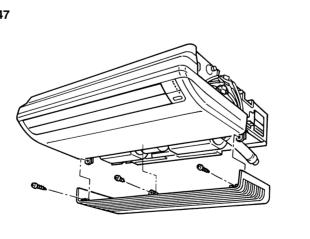
2. MOUNT THE COVER PLATE (LEFT) (1) Join the cover plates (left) and mount with screws.

(1) Cut the right side of the intake grille. This is only when the pipe exits

from the right side (Fig. 46).



(2) Insert the hinges on the bottom of the intake grille into the holes in the base assembly. Then mount the arms to the 3 areas on the top of the intake grille (Fig. 47).



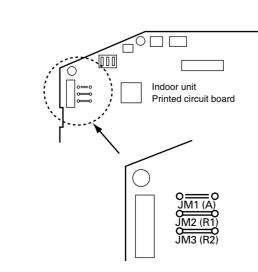
REMOTE CONTROLLER INSTALLATION

⚠ CAUTION

- (1) Check that the indoor unit correctly receives the signal from the remote controller, then install the remote controller holder.
- Avoid places in direct sunlight. Select a place that will not be affected by the heat from a stove, etc.

INSTALLATION

• Install the remote controller with a distance of 7 m between the remote the remote controller, check that it operates positively. Install the remote controller holder to a wall, pillar, etc. with the tapping

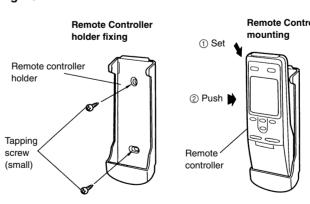


(1) Press the START/STOP button and display only the clock.

(2) Select the remote controller holder selection site by paying careful attention to the following:

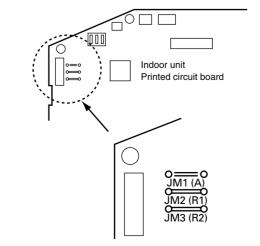
1. REMOTE CONTROLLER HOLDER

- controller and the photocell as the criteria. However, when installing
- screw (Fig. 48).



2. SWITCHING REMOTE CONTROLLER SIGNAL

 Air conditioner settings Fig. 49

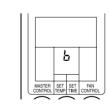


(2) Press the MASTER CONTROL button continuously for more than 5

seconds to display the current signal code.

(3) Change the signal code with the \bigcirc \bigcirc button $(\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$.

(4) Press the MASTER CONTROL button again to return to the clock display and change the signal code.



 Confirm the setting of the remote controller signal code and the printed circuit board setting. If these are not confirmed, the remote controller cannot be used to operate for the air conditioner.

Table 10

Jumper wire		Remote controller		
JM2	JM3	signal code		
Connect Connect Connect Disconnect Disconnect Connect		A (Primary setting)		
		В		
		С		
Disconnect	Disconnect	D		

CUSTOMER GUIDANCE

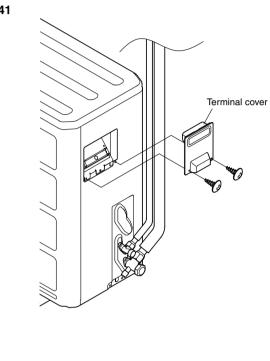
Explain the following to the customer in accordance with the operating

- (1) Starting and stopping method, operation switching, temperature adjustment, timer, air flow switching, and other remote controller opera-(2) Air filter removal and cleaning, and how to use the air louvers.
- controller are replaced). PART NO. 9373067016-03

Connection cable Indoor unit side terminal Outdoor unit Cooling model

Heat & Cool model

Indoor unit side termina Power supply Outdoor unit



SAFETY PRECAUTIONS

(1) During installation, make sure that the refrigerant pipe is attached firmly before you run the compressor. Do not operate the compressor under the condition of refrigerant piping not attached properly with 2-way or

cycle that leads to breakage and even injury. (2) During the pump-down operation, make sure that the compressor is turned off before you remove the refrigerant piping.

This may cause abnormal pressure in the refrigeration

Do not remove the connection pipe while the compressor is in operation with 2-way or 3-way valve open. This may cause abnormal pressure in the refrigeration cycle that leads to breakage and even injury.

not mix gases other than the specified refrigerant (R410A) to enter the refrigerant cycle.

(3) When installing and relocating the air conditioner, do

If air or other gas enters the refrigerant cycle, the pressure inside the cycle will rise to an abnormally high value and cause breakage, injury, etc.

(3) Give the operating and installation manuals to the customer. (4) If the signal code is changed, explain to the customer how it changed (the system returns to signal code A when the batteries in the remote

⚠ WARNING 3-way valve open.