# **MUITITYPE AIR CONDITIONER** INSTALLATION INSTRUCTION

# SHEET

(PART NO. 9373498018)

**⚠** CAUTION **R410A** REFRIGERANT THIS PRODUCT MUST ONLY BE INSTALLED OR SERVICED Refer to Commonwealth, State, Territory and local legislation regulations, codes, installation & operation manuals, before the installation, maintenance and/or service of this product.

For authorized service personnel only.

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<b>⚠ DANGER</b>	This mark indicates procedures which, if improperly performed, are most likely to result in the death of or serious injury to the user or service personnel.		
<b>⚠ WARNING</b>	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.		
<b>⚠</b> 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 models. However, pay careful attention to the following points:

(1) Since the working pressure is 1.6 times higher than that of conventional refrigerant models, some of the piping and installation and service tools are special. (See the table below.) Especially, when replacing a conventional refrigerant model with a new refrigerant R410A model, always replace the conventional piping and flare nuts with the R410A piping and flare nuts.

(2) Models that use refrigerant R410A have a different charging port thread diameter to prevent erroneous charging with conventional refrigerant 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 conventional refrigerant 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
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/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.

If the existing materials are used, the pressure inside the refrigerant cycle will rise and cause breakage, injury, etc. (Use the

2) When installing and relocating the air conditioner, do not mix gases other than the specified refrigerant (R410A) to enter the

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

**↑** DANGER

Never touch electrical components immediately after the power supply has been turned off. Electrical shock may occur. After

**↑** WARNING

(2) Connect the indoor unit and outdoor unit with the room air conditioner piping and cords available standards parts. This

(11) If refrigerant leaks while work is being carried out, ventilate the area. If the refrigerant comes in contact with a flame, it

• Let the customer keep this installation instruction sheet because it is used when the air conditioner is serviced or moved.

**↑** 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

**CAUTION** 

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

(3) Installation work must be performed in accordance with national wiring standards by authorized personnel only.

installation instruction sheet describes the correct connections using the installation set available from our standard parts.

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

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

(1) Do not use the existing (for conventional refrigerant) piping and flare nuts.

turning off the power, always wait 5 minutes or more before touching electrical components.

(6) Do not purge the air with refrigerants but use a vacuum pump to vacuum the installation.

. After installation, explain correct operation to the customer, using the operating manual.

(9) Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.

(1) For the air conditioner to operate satisfactorily, install as outlined in this installation instruction sheet.

thinner than 0.8 mm even when it is available on the market.

special R410A materials.)

breakage, injury, etc.

(4) Also, do not use an extension cord.

(8) Use a vacuum pump for R410A exclusively.

produces a toxic gas.

(2) Do not install near heat sources.

1. INDOOR UNIT

able to blow all over the room

Decide the mounting position with the customer as follows:

(1) Install the indoor unit level on a strong wall which is not subject to vibration. (2) The inlet and outlet ports should not be obstructed: the air should be

(5) Do not turn on the power until all installation work is complete.

(7) There is not extra refrigerant in the outdoor unit for air purging.

(10) Use a clean gauge manifold and charging hose for R410A exclusively.

SELECTING THE MOUNTING POSITION

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

• Be careful not to scratch the room air conditioner when handling it.

Thicknesses of Annealed Copper Pipes			
Nominal diameter (inch)	Outer diameter (mm)	Thickness (mm)	
1/4	6.35	0.80	
1/2	12.7	0.80	

## **INDOO**

Name and Shape	Q'ty	Use
Wall hook bracket	1	For indoor unit installation
Remote control unit	1	Use for air conditioner operation
Battery (penlight)	2	For remote control unit
Remote control unit holder	1	Use as remote control unit holder
Tapping screw (big) (Ø4 × 20)	12	For wall hook bracket installation
Tapping screw (small) (Ø3 × 12)	2	For remote control unit holder installation
Air cleaning filter	2	For indoor unit
Air cleaning filter frame	2	For indoor unit

## STANDARD ACCESSORIES

ring installation accessories are supplied. Use them as required				
R UNIT ACCESSORI	ES			
Name and Shape	Q'ty	Use		
ok bracket	1	For indoor unit installation		
unit	1	Use for air conditioner operation		
(penlight)	2	For remote control unit		

## ③ Bottom piping 1. INSTALLING THE WALL HOOK BRACKET

**INSTALLATION PROCEDURE** 

INDOOR UNIT INSTALLATION

The piping can be connected in the six directions indicated by (1), (2), (3),

4, 5 and 6 in Fig. 4. When the piping is connected in direction 2 or 5,

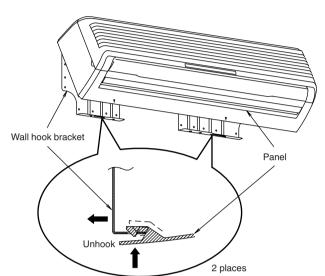
cut along the piping groove in the side of the front panel with metal shears.

When connecting the piping in direction ③, cut along the piping groove at

[Removing THE WALL HOOK BRACKET] Remove the wall hook bracket in the following order. (1) Remove the hook inside the panel. (Fig. 5) (2) Pull off the wall hook bracket.



the bottom of the front panel.



### [Installation directly to a wall]

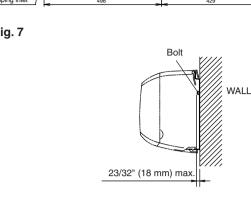
Before fastening the wall hook bracket to the wall with the screws, level it by tapping the hook at the center of bracket to the wall with the handle of a screwdriver.

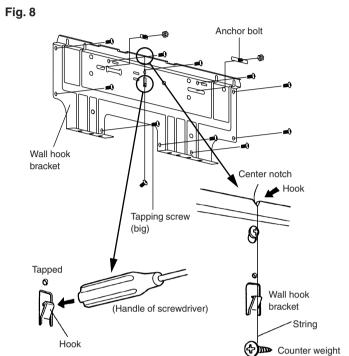
- Fasten the wall hook bracket to the wall with 6 or more screws and anchor bolts through the holes near the outer edge of the bracket. • Do not install the wall hook bracket at only one place or at an angle. For a concrete wall, embed anchor bolts (10 mm dia.) into the wall at the wall hook bracket holes (11  $\times$  43 mm dia. and 11  $\times$  94 mm dia. (Fig. 6)). Allow the anchor bolts to stick out at least 18 mm from the wall. (Fig. 7)
- Install the unit to the anchor bolts with nuts through the wall hook bracket. Use 2 bolts for concrete wall and 4 bolts for blister concrete wall (Fig. 8). • Finally tighten the bolts and tapping screws after confirming, using the level indicator, that the clamp is horizontal.

### **. WARNING** 1) Install the wall hook bracket so that it is correctly positioned horizontally and vertically. If the wall hook

bracket is tilted, water will drip to the floor.

(2) As the weight of the indoor unit is 15 to 18 kg (33 to 40 lbs), it should be installed after properly examining the place where it is intended to be installed. If the place is not strong enough, a plank or girder should be used to make the place sufficiently strong so that the wall can support the weight.





2. CUTTING THE HOLE IN THE WALL FOR THE CONNECTING PIPING

<b>⚠ WARNING</b>
If the wall pipe is not used, the cord interconnecting indoor and outdoor units may touch metal and cause el
tric leakage.

### 4. CUT-OUT FOR PIPING ON FRONT PANEL (2) When cutting the wall hole at the inside of the installation frame, cut

(1) Cut a 80 mm diameter hole in the wall at the position shown in Fig. 9.

(3) Cut the hole so that the outside end is lower (5 to 10 mm) than the

(4) Always align the center of the wall hole. If misaligned, water leakage

(5) Cut the wall pipe to match the wall thickness, stick it into the wall cap,

(The connection pipe is supplied in the installation set.) (Fig. 9).

(6) For ⑤ left piping and ② right piping, cut the hole a little lower so that

fasten the cap with vinyl tape, and stick the pipe through the hole.

When cutting the wall hole at the outside of the installation frame, cut

the hole to a point of intersection of center marks.

the hole at least 10 mm below less.

drain water will flow freely (Fig. 9).

3. ATTACH THE DRAIN HOSE

nected properly, leaking will occur.

• The drain hose and drain cap are used as they are.

hose to the drain port on its opposite side.

Insert the drain cap until it

butts against the drain port

beforehand.

Fig. 19

Fig. 20

Fig. 18 (4) Left rear piping)

Connection pipe

**↑** CAUTION

Insert the drain hose and drain cap into the drain port

making sure that it comes in contact with the back of the

drain port, and then mount it. If the drain hose is not con-

[For ① Rear piping, ② Right piping and ③ Bottom piping]

[For 4 Left rear piping, 5 Left piping and 6 Center piping]

• Remove the drain cap and drain hose. Mount the drain cap and drain

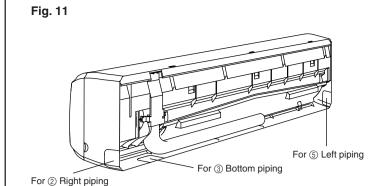
Insert the drain hose until it

butts against the drain port.

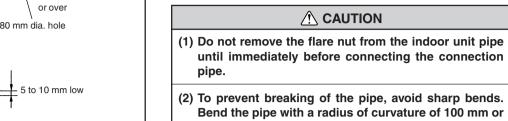
inside end.

will occur.

[For ② Right piping, ③ Bottom piping and ⑤ Left piping] • Use a metal shears or other cutting tool to cut along the groove in the plastic for the piping that will coming out of the front panel.



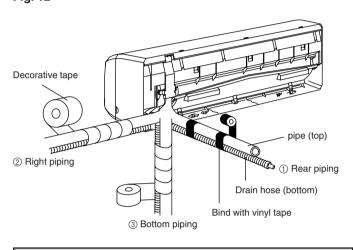
### 5. FORMING THE DRAIN HOSE AND PIPE



(3) If the pipe is bent repeatedly at the same place, it will

[For ① Rear piping, ② Right piping and ③ Bottom piping] • Install the indoor unit piping in the direction of the wall hole and bind the drain hose and pipe together with vinyl tape (Fig. 12). Install the piping so that the drain hose is at the bottom.

Fig. 12



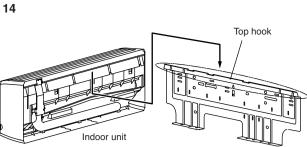
**CAUTION** Do not wrap the tape too tightly on drain hose. If the tape is too tight (as shown in the Figure below) the insulation effect will be lost and the moisture from condensation may

Fig. 13 Bad Example



### • Perform "3 ELECTRICAL WIRING" before performing this piping. Wrap the pipes of the indoor unit that are visible from the outside with decorative tape

hang the indoor unit on the hooks at the top of the wall hook bracket.

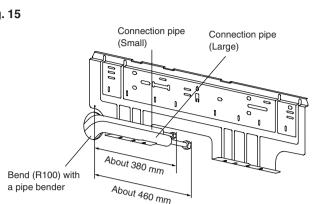


• After passing the indoor piping and drain hose through the wall hole,

[For 4 Left rear piping, 5 Left piping and 6 Center piping] • For ④ Left rear piping, ⑤ Left piping and ⑥ Center piping, preset the

end of the pipe to the dimensions shown in Fig. 15 and form the con-• Bend the connection piping at a bend radius of at least 100 mm and

position it no more than 50 mm from the wall.



• The two methods for mounting the drain hose and piping 4, 5 and 6 are as shown below. Please choose the most efficient method of installation. Method A: Floating the panel method. Method B: Removing the panel.

### Method A

(1) Create a box using material from the packing carton. This box is called the support box. (Fig. 16) (2) Mount the indoor unit to the wall hook bracket.

(3) Insert the support box between the indoor unit and wall hook bracket. (Fig. 17) (4) Mount the drain hose and pipe to the indoor unit. (Fig. 18)

(5) Remove the support box from the indoor unit. (Fig. 19) (6) Hang the inside panel hook. (Fig. 20)

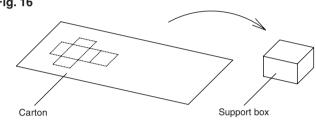
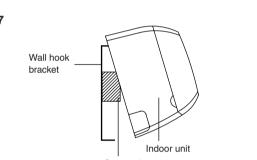


Fig. 17



## CONNECTION PIPE REQUIREMENT

Model	Dian	Maximum length	
Wodei	Small	Large	Maximum lengtr
18 TYPE	6.35 mm (1/4 in.)	12.7 mm (1/2 in.)	20 m

### **⚠** 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. (Re-

verse 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).

Connect the connection pipes according to "2 CONNECTING THE PIP-ING" in this installation instruction sheet.

### ELECTRICAL REQUIREMENT Electric wire size and fuse capacity:

## Table 3

Connection cord (mm²)	MAX.	2.5
	MIN.	1.5
Fuse capacity (A)		25

- 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 cord and the

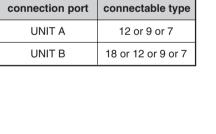
## INDOOR UNITS-OUTDOOR UNIT CONNECTIONS

/!\ CAUTION

The total capacity of the indoor units connected must be between 14,000 and 30,000 BTU. (Refer to Table 4.)

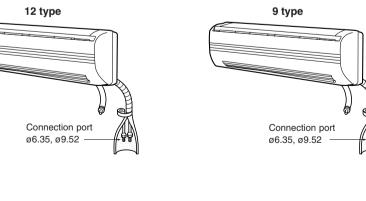
• If the indoor units are connected with a capacity outside of the recommended range, the indoor units will not function and the indoor unit lamps will flash in the 18 type: OPERATION LAMP (red) ............ flashes fast, SWING LAMP (orange) .... flashes 4 times slowly and goes off repeatedly

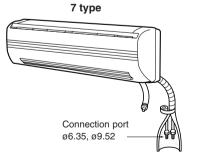
12, 9, 7 type: OPERATION LAMP (red) ... flashes fast, TIMER LAMP (green) ...... flashes 4 times slowly and goes off repeatedly • To connect a 18 type indoor units, refer to the installation instruction sheet provided with the unit. • Two indoor units must be connected to the outdoor unit.

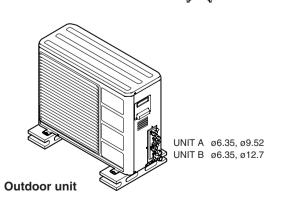


Indoor unit

Table 4



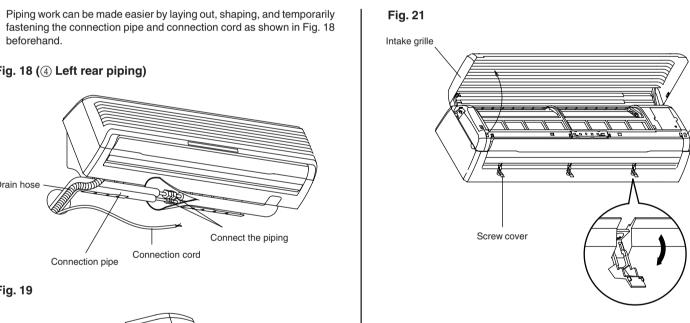


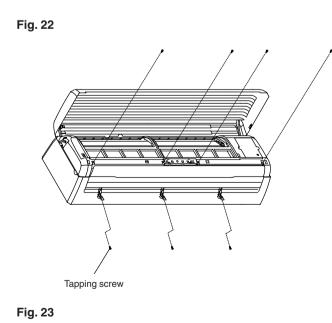


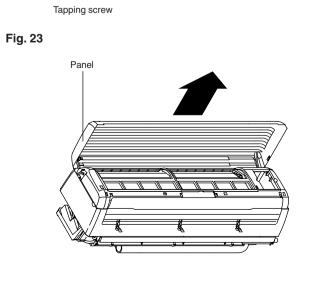
- (1) Open the screw cover and intake grille. (Fig. 21) (2) Remove the seven tapping screws. (Fig. 22)
- (3) Remove the panel. (Fig. 23) (4) Mount the indoor unit to the wall hook bracket. (5) Mount the drain hose and pipe to the indoor unit. (Fig. 24)

Wall hook bracket

- (6) Hang the inside panel hook and then mount the panel and secure it
- with seven tapping screws. (Fig. 25)







 Piping work can be made easier by laying out, shaping, and temporarily fastening the connection pipe and connection cord as shown in Fig. 24 beforehand.

Fig. 24 (4) Left rear piping)

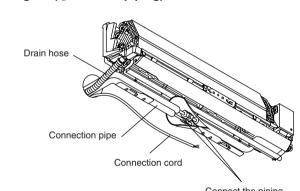
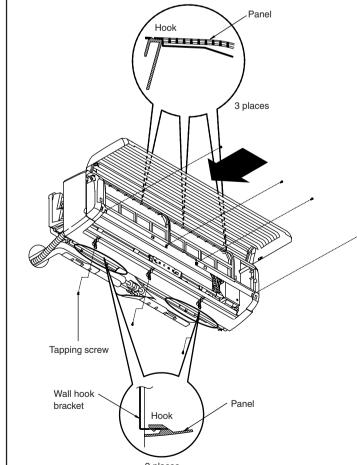


Fig. 25



- Continued on back -

## **HOW TO USE ADAPTER (Connections port of outdoor unit)**

• Apply a coat of refrigeration oil to the threaded connection port of the outdoor unit where the flare nut comes in. • Use an appropriate wrenches to avoid damaging the connection thread by overtightening the flare nut.

• Apply wrenches on both of flare nut (local part), and ADAPTER to tighten them.

# • When using the ADAPTER, be careful not to overtighten the nut, or the smaller pipe may be damaged.

 $\emptyset 12.7 \rightarrow \emptyset 9.52 \ (1/2" \rightarrow 3/8")$ 

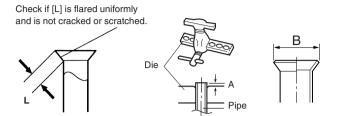
Fig. 3

(3) Do not install the unit where it will be exposed to direct sunlight. (4) Install the unit where connection to the outdoor unit is easy. 150 to 200 cm (5) Install the unit where the drain pipe can be easily installed (6) Take servicing, etc. into consideration and leave the spaces shown in Fig. 1. Also install the unit where the filter can be removed.

### 1. FLARING

- (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 remove the burrs.
- (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 flare tool.

### Fig. 26



### Table 5 Flaring dimension: B

Pipe outside diameter	B <sup>+0</sup> <sub>-0.4</sub> (mm)
6.35 mm (1/4 in.)	9.1
9.52 mm (3/8 in.)	13.2
12.7 mm (1/2 in.)	16.6

When using conventional flare tools to flare R410A pipes, the dimension A should be approximately 0.5 mm more than indicated in Table 6 (for flaring with R410A flare tools) to achieve the specified flaring. Use a thickness gauge to measure the dimension A.

### Table 6 Pipe outside diameter

Pipe outside	A (mm)
diameter	Flare tool for R410A, clutch type
6.35 mm (1/4 in.)	0 to 0.5
9.52 mm (3/8 in.)	0 to 0.5
12.7 mm (1/2 in.)	0 to 0.5

### 3. BENDING

4. CONNECTION

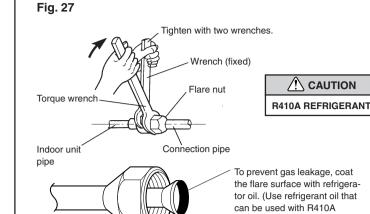
(1) When bending the pipe, be careful not to crush it. (2) To prevent breaking of the pipe, avoid sharp bends. Bend the pipe with a radius of curvature of 70 mm or over.

set or procured at the site) to the wall pipe.

- (3) If the copper pipe is bent or pulled to often, it will become stiff. Do not bend the pipe more than three times at one place.
- (2) Connect the outdoor unit and indoor unit piping. (3) 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. (Tighten the flare nut of the outdoor unit 3-way valve after air purging.)

(1) Install the outdoor unit wall cap (supplied with the optional installation

### Fig. 27



### Table 7 Flare nut tightening torque

Flare nut	Tightening torque
6.35 mm dia.	16 to 18 N·m (160 to 180 kgf·cm)
9.52 mm dia.	30 to 42 N·m (300 to 420 kgf·cm)
12.7 mm dia.	50 to 62 N·m (500 to 620 kgf·cm)

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

## **ELECTRICAL WIRING**

### **⚠ WARNING** (1) Before starting work, check that power is not being supplied to indoor unit and the outdoor unit.

2) Match the terminal block numbers and connection cord colors of the indoor unit and the outdoor unit. Erroneous wiring may cause burning of the electric parts.

(3) Connect the connection cords firmly to the terminal block. Imperfect installation may cause a fire.

(4) Always fasten the outside covering of the connection

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

electric leakage may occur.) (5) Always connect the ground wire.

### **HOW TO CONNECT WIRING** TO THE TERMINALS

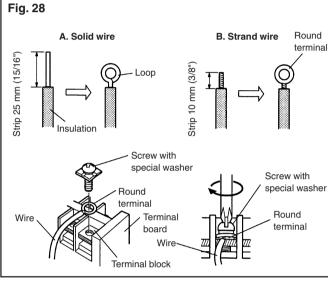
## A. For solid core wiring (or F-cable)

- 1) Cut the wire end with a wire cutter or wire-cutting pliers, then strip the insulation to about 25 mm (15/16") to expose the solid wire. 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 (4) 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

- 1) Cut the wire end with a wire cutter or wire-cutting pliers, then strip the insulation to about 10 mm (3/8") to expose the strand wiring. 2) Using a screwdriver, remove the terminal screw(s) on the terminal
- terminal to each stripped wire end. 1) Position the round terminal wire, and replace and tighten the terminal screw using a screwdriver.

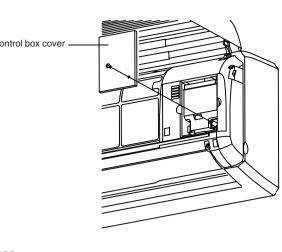
(3) Using a round terminal fastener or pliers, securely clamp a round

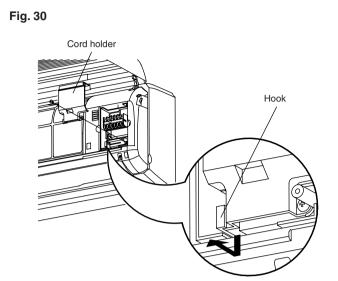


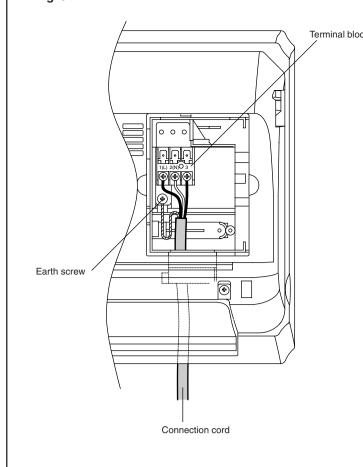
### (1) Open the intake grille. Remove the tapping screw for the control box cover and remove the control box cover. (Fig. 29) (2) Remove the tapping screw and while minding the cord holder hook,

### remove the cord holder. (Fig. 30) (3) Connect the end of the connection cord fully into the terminal block. (Fig. 31)

## Fig. 29



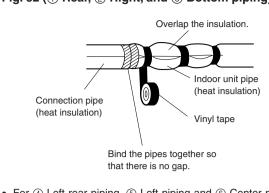




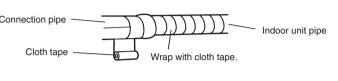
## **FINISHING**

### 1. CONNECTION PIPE, CORD AND DRAIN HOSE

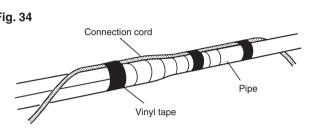
- For ① Rear, ② Right, and ③ Bottom piping, overlap the connection pipe heat insulation and indoor unit pipe heat insulation and bind them with vinyl tape so that there is no gap. (Fig. 32)
- For 4 Left rear and 5 Left piping, butt the connection pipe heat

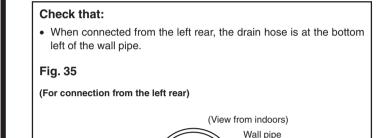


 $\bullet\,$  For  $\oplus$  Left rear piping,  $\mbox{\Large \ \ \ }$  Left piping and  $\mbox{\Large \ \ \ }$  Center piping, wrap the area which accommodates the rear piping housing section with cloth



connection cord to the top of the pipe with vinyl tape.

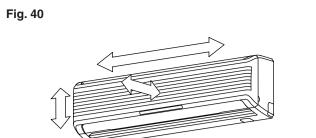




### vinyl tape. (Wrap to about 1/3 the width of the tape from the bottom of the pipe so that water does not enter.) (3) Fasten the connection pipe to the outside wall with a saddle, etc.

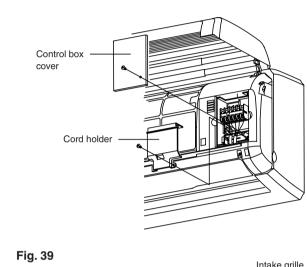
(2) Temporarily fasten the connection cord along the connection pipe with

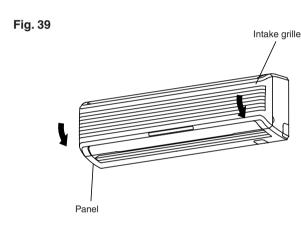
does not move to the front and rear or left and right. (4) Fill the gap between the outside wall pipe hole and the pipe with sealer The indoor unit is accurately positioned horizontally and vertically. so that rain water and wind cannot blow in.



### 2. INSTALLING FINAL PARTS

(2) Secure the control box cover and tapping screw. (Fig. 38) (3) Close the intake grille. (Fig. 39)



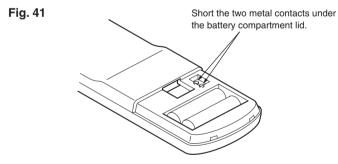


## **TEST RUNNING**

## 

Always turn on the power 4 hours prior to the start of the operation in order to ensure compressor protection.

- Perform test operation and check items 1 and 2 below.
- For the operation method, refer to the operating manual. • The outdoor unit may not run, depending on the room temperature. In this case, the 'TEST RUN' signal is received during air conditioner operation (use a metallic object to short the two metal contacts under
- the battery compartment lid and send the 'TEST RUN' signal from the remote control unit).



Operation can be checked by lighting and flashing of the display section OPERATION and TIMER lamps. Perform judgement in accordance with the following.

Test running

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

The OPERATION, TIMER and SWING lamps operate as follows (Table 8) according to the error contents.

lable	č

	Error display		
Error contents	OPERATION (RED)	TIMER (GREEN)	SWING (ORANGE)
Outdoor unit piping sensor error	0	3 times	_
Outdoor unit outdoor temperature sensor error	0	• 4 times	_
Outdoor unit discharge temperature sensor error	0	• 5 times	_
Outdoor unit IPM error	0	10 times	_
Outdoor unit Current Trance error	0	11 times	_
Outdoor unit Active filter error	0	12 times	_
Outdoor unit fan motor error	0	14 times	_
Outdoor unit 2-way valve sensor error	0	_	2 times
Connectiong indoor unit information error	0	_	4 times
Outdoor unit circuit board error	0	_	5 times
Indoor unit room temperature sensor error	2 times	0	_
Indoor unit piping sensor error	3 times	0	_
Outdoor unit circuit board error or miss wiring between outdoor unit and indoor unit	• 5 times	0	_

### ○ : Fast flashing● : Slow flashing— : Off CHECK ITEMS

operation check.

Indoor unit fan motor error

- (1) Is operation of each button on the remote control unit normal?
- (2) Does each lamp light normally? (3) Do not air flow direction louvers operate normally?
- (4) Is the drain normal?
- (5) Is there any abnormal noise and vibration during operation? • 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

6 times

## REMOTE CONTROL UNIT **INSTALLATION**

## **⚠** CAUTION

(1) Check that the indoor unit correctly receives the signal from the remote control unit, then install the remote control unit holder.

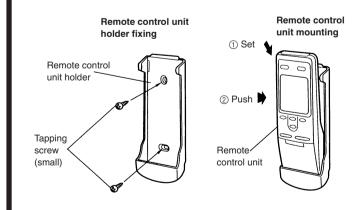
(2) Select the remote control unit holder selection site by paying careful attention to the following: Avoid places in direct sunlight. Select a place that will not be affected by the heat from

## 1. REMOTE CONTROL UNIT HOLDER INSTALLA-

• Install the remote control unit with a distance of 7 m between the remote control unit and the photocell as the criteria. However, when installing the remote control unit, check that it operates positively. • Install the remote control unit holder to a wall, pillar, etc. with the tapping screw (Fig. 42).

### Fig. 42

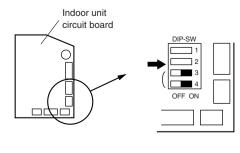
a stove, etc.



### 2. SWITCHING REMOTE CONTROL UNIT SIGNAL CODES

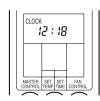
### • Air conditioner settings



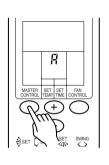


## Remote control unit settings

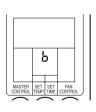
(1) Press the START/STOP button and display only the clock.



(2) Press the MASTER CONTROL button continuously for more than five seconds to display the current signal code.



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



- (4) Press the MASTER CONTROL button again to return to the clock display and change the signal code.
- Confirm the setting of the remote control unit signal code and the printed circuit board setting. If these are not confirmed, the remote control unit cannot be used to operate for the air conditioner.

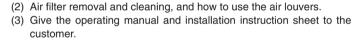
### Table 9

DII 011		Remote control unit	
DIP-SW3	DIP-SW4	signal code	
ON	ON	A (Primary setting)	
OFF	ON	В	
ON	OFF	С	
OFF	OFF	D	

## **CUSTOMER GUIDANCE**

Explain the following to the customer in accordance with the operating

- (1) Starting and stopping method, operation switching, temperature ad-
- justment, timer, air flow switching, and other remote control unit op-

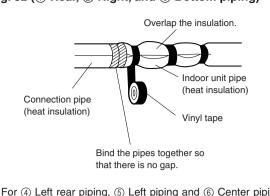


### PART NO. 9373498018

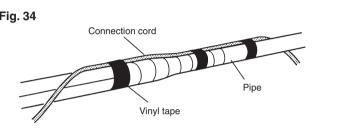
## (1) Insulate between pipes

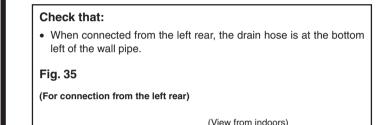
- insulation and indoor unit pipe heat insulation together and bind them with vinyl tape so that there is no gap. (Fig. 33)

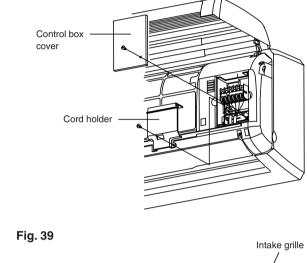
## Fig. 32 (① Rear, ② Right, and ③ Bottom piping)



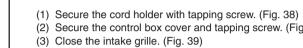
- Fig. 33 (4) Left rear piping, 5) Left piping and 6) Center piping)
- For 4 Left rear piping, 5 Left piping and 6 Center piping bind the







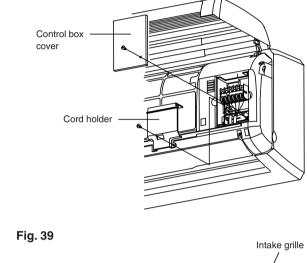
(5) Fasten the drain hose to the outside wall, etc.

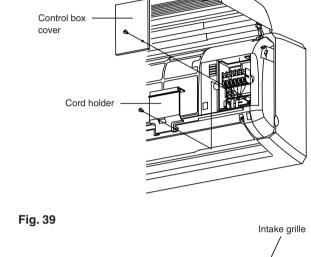


### Fig. 38 (1) Rear piping)

Fig. 37

Check the following:





## Check that:

• The top and bottom hooks are hooked firmly and the indoor unit

