

SPLIT TYPE AIR CONDITIONER Cassette Type INSTALLATION INSTRUCTION SHEET (PART NO. 9369324017)

For authorized service personnel only.

- WARNING!** This mark indicates procedure which, if improperly performed, might lead to the death or serious injury of the user.
- CAUTION!** This mark indicates procedure which, if improperly performed, might possibly result in personal harm to the user, or damage to property.
- WARNING!** 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.
- Do not install the unit near a source of heat, steam, or flammable gas.
- 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 install the unit where a strong wind blows or where it is very noisy.
- Do not install the unit where people pass.
- Install the outdoor unit in a place where it will be free from being dented or getting wet by rain as much as possible.
- Install the unit where vibration of the indoor unit is small.
- Do not touch the power until all installation work is complete.

- Be careful not to scratch the 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.
- The maximum length of the piping is shown in Table 1. If the units are further apart than this, correct operation cannot be guaranteed.

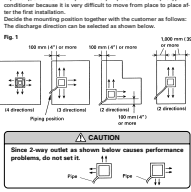
STANDARD PARTS

Name and Shape	Qty	Application
Remote control unit	1	Use for air conditioner operation
Battery (spare)	4	For remote control unit
Remote control unit holder	1	For mounting the remote control unit
Special nut A (large)	4	For installing indoor unit
Special nut B (small)	4	For installing outdoor unit
Coupler heat insulation	2	For indoor side pipe joint
Fastening screw (3x3)	3	For remote control unit holder installation
Blower cover installation	7	For discharged air
Hook screw	2	For installing intake grille

OUTDOOR UNIT ACCESSORIES

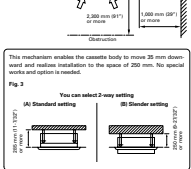
Power cap	1	For power supply cord insulation
Auxiliary pipe assembly	1	For setting standard pipe size connection. May be as specified when wiring conduit is used.
Edge cover	1	For setting conduit inside non hole edge protection
Fastening screw	2	For cabinet A and cabinet C mounting (1) Spare (1)
Blender	1	For power supply cord bending
Putty	1	For sealing
Coupler heat insulation	1	For outdoor side pipe joint
Pipe (drain)	2	For outdoor unit drain piping work (May not be supplied, depending on the model.)
Flexible tube	2	
Cap (brass)	2	

SELECTING THE MOUNTING POSITION




INDOOR UNIT

- Install the indoor unit on a place having a sufficient strength so that it will not sag.
- The cable and water pipe should not be obstructed; the air should be able to blow all over the room.
- Leave the space required to service the air conditioner (Fig. 2).
- The ceiling rear height is shown in Fig. 3.
- A place from where drainage can be extended outdoors easily.
- Install the unit where noise and vibrations are not amplified.



OUTDOOR UNIT

- WARNING!** Install the unit where it will not be tilted by more than 5°.
- WARNING!** When installing the outdoor unit where it may be exposed to strong wind, fasten it securely.
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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.
- Do not install the unit near a source of heat, steam, or flammable gas.
- 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 install the unit where a strong wind blows or where it is very noisy.
- Do not install the unit where people pass.
- Install the outdoor unit in a place where it will be free from being dented or getting wet by rain as much as possible.
- Install the unit where vibration of the indoor unit is small.

CONNECTION PIPE REQUIREMENT

Outer diameter	Inner diameter	Minimum length	Maximum height (between indoor and outdoor)
Small	19.05 mm (0.75")	50 m (164 ft)	20 m (66 ft)
Large	25.4 mm (1.0")	50 m (164 ft)	20 m (66 ft)

Use 0.7 mm to 1.2 mm thick pipe.

Use pipe with water resistance heat insulation.

Use pipe that can withstand a pressure of 3.043 MPa.

ELECTRICAL REQUIREMENT

Power supply	MAX	MIN
Phase	3	1
Voltage	220-240 V	220-240 V
Frequency	50/60 Hz	50/60 Hz
Power factor	0.8	0.8
Power factor capacity (kVA)	30	30

Always use 0.75/0.5 or equivalent as the cord.

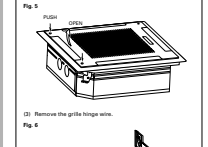
Install the disconnect device with a current gap of at least 2 mm, leaving the units both indoor and outdoor.

INSTALLATION PROCEDURE

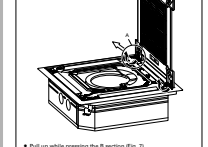
1. INDOOR UNIT INSTALLATION

- WARNING!** Install the air conditioner in a location which can withstand a load of at least five times the weight of the main unit and which will not amplify sound or vibration.
- If the installation location is not strong enough, the indoor unit may fall and cause injuries.
- If the job is done with the panel frame only, there is a risk that the unit will come loose. Please take care.

2. REMOVING THE INTAKE GRILLE



3. POSITIONING THE CEILING HOLE AND HANGING BOLTS

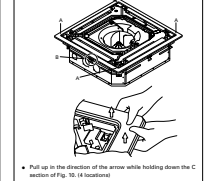


4. HANGING PREPARATIONS

- Push the intake grille pushbutton three places.
- Open the intake grille.
- Push the intake grille pushbutton three places.
- Open the intake grille.

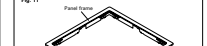
REMOVING THE PANEL FRAME

- Put up the corner sections (A) of the panel frame as shown in Fig. 5 (A location).

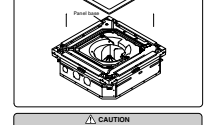


3. BODY INSTALLATION

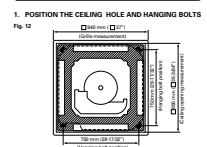
- The ceiling rear height is 200 mm (7.87") or more. (Standard setting) (The ceiling rear height is 200 mm (7.87") or more.) (Slender setting)
- Install special nut A. Then special nut B over the hanging bolt (Fig. 16).
 - Raise the body and mount to hooks onto the hanging bolt between the special nut (Fig. 16).
 - Turn special nut B to adjust the height of the body (Fig. 15).
 - Leveling.



INSTALLING THE PANEL FRAME



2. POSITIONING THE CEILING HOLE AND HANGING BOLTS



3. HANGING PREPARATIONS

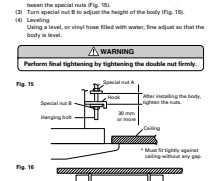
- Push the intake grille pushbutton three places.
- Open the intake grille.
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4. HANGING PREPARATIONS

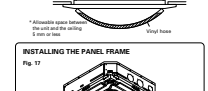
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3. BODY INSTALLATION

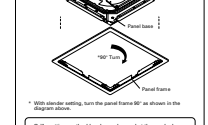
- The ceiling rear height is 200 mm (7.87") or more. (Standard setting) (The ceiling rear height is 200 mm (7.87") or more.) (Slender setting)
- Install special nut A. Then special nut B over the hanging bolt (Fig. 16).
 - Raise the body and mount to hooks onto the hanging bolt between the special nut (Fig. 16).
 - Turn special nut B to adjust the height of the body (Fig. 15).
 - Leveling.



INSTALLING THE PANEL FRAME



2. POSITIONING THE CEILING HOLE AND HANGING BOLTS



3. HANGING PREPARATIONS

- Push the intake grille pushbutton three places.
- Open the intake grille.
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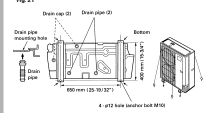
4. HANGING PREPARATIONS

- Push the intake grille pushbutton three places.
- Open the intake grille.
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- Open the intake grille.

3. OUTDOOR UNIT INSTALLATION

1. OUTDOOR UNIT PROCESSING

- When the outdoor unit will be exposed to strong wind, fasten it with bolts or wire at the four places indicated by the arrow (Fig. 21).
- Since the drain water flows out of the outdoor unit during heating operation, install the drain pipe and connect it to a commercial 16 mm hose. When heating, warm the outdoor temperature is 5°C or less, connect so that the drain water drained from the outdoor unit will not freeze in the drain pipe. If all the hoses enter the drain pipe installing the drain pipe. If all the hoses enter the drain pipe installing the drain pipe. If all the hoses enter the drain pipe installing the drain pipe.

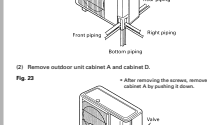


2. BENDING PIPES

- The pipes are wrapped by your hands. Be careful not to collapse them.
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2. OUTDOOR UNIT CONNECTION CORD AND PIPE CONNECTION PREPARATIONS

- Remove outdoor unit cabinet A and cabinet D.
- After removing the covers, remove cabinet A and cabinet D.



3. CONNECTION PIPES

1. INDOOR UNIT SIDE

- To prevent breaking of the pipe, avoid sharp bends. Bend the pipe with a radius of curvature of 150 mm or over.
- If the pipe is bent repeatedly at the same place, it will break.

2. OUTDOOR UNIT SIDE

- Be sure to apply the pipe against the port on the indoor unit correctly. If the centering is improper, the flare nut cannot be tightened smoothly. If the flare nut is forced to turn, the threads will be damaged.
- Do not remove the flare nut from the indoor unit pipe until immediately before connecting the connection pipe.

3. CONNECTION PIPES

- When the flare nut is tightened properly by your hand, hold the body side coupling with a separate spacer, then tighten with a torque wrench (Fig. 20).

4. CONNECTING THE PIPING

1. FLARE PROCESSING

- Cut the connection pipe with pipe cutters so that the pipe is not deformed.
- Hold the pipe downward so that cuttings cannot enter the pipe, remove the burrs.
- Remove the flare nut from the indoor unit pipe and outdoor unit and assemble as shown in Table 2 and insert the flare nut onto the pipe, and then with a flaring tool.
- Check if the flared part "L" (Fig. 20) is spread uniformly and that there are no cracks.

Table 1

Pipe	Flare nut
Small pipe	Small (width across flare 22 mm)
Large pipe	Large (width across flare 38 mm)

Table 2

Flare nut	Flare length
Small pipe	1.8 ± 0.2 mm
Large pipe	1.8 ± 0.2 mm

Table 3

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 4

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 5

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 6

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 7

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 8

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 9

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 10

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 11

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 12

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 13

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 14

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 15

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 16

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 17

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 18

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 19

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 20

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 21

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 22

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 23

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

Table 24

Pipe	Tightening torque
Small pipe	26.4 to 24.2 N·m (2.0 to 1.90 kgf·cm)
Large pipe	78.4 to 58.8 N·m (6.0 to 4.50 kgf·cm)

5

VACUUM PROCESS

1. VACUUM

- Vacuum inside the indoor unit and the piping to a pressure of 1.5 mmHg abs or less from the charging valve with a vacuum pump.
- After vacuuming inside the indoor unit and the piping, remove the cap of the two valves.
- Open the handle of the two valves from the closed state (Table 6).
- Tighten the cap of the two valves to the specified torque.

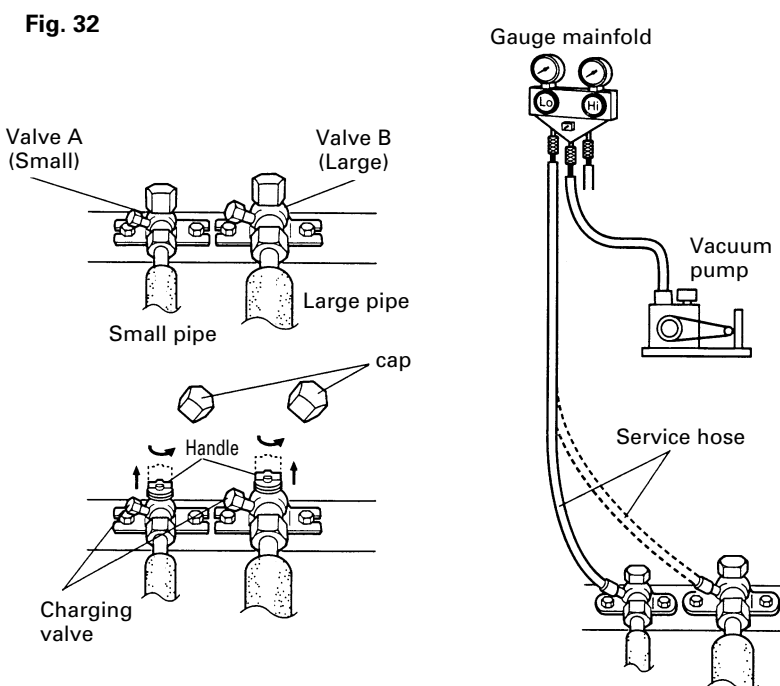
Table 5

	Tightening torque	
	Large valve	Small valve
Handle	1.47 N·m (15 kgf·cm) or less	
Cap	14.7 to 19.6 N·m (150 to 200 kgf·cm)	

Table 6

Open valve state	Closed valve state

* If the handle is not fully open, performance will drop and an abnormal sound will be generated.



2. ADDITIONAL CHARGE

Refrigerant suitable for a piping length 20 m for other model is charged in the outdoor unit at the factory. When the piping is longer than 20 m, additional charging is necessary. For the additional amount, see the table below.

Table 7

Pipe length Model type	20 m (66 ft)	30 m (99 ft)	40 m (132 ft)	50 m (164 ft)	g/m (oz/ft)
36,000 BTU class	None	400 g (14.1 oz)	800 g (28.2 oz)	1200 g (42.3 oz)	40 g/m (1.41 oz/3.3 ft)
45,000 BTU class	None	500 g (17.6 oz)	1000 g (35.2 oz)	1500 g (52.8 oz)	50 g/m (1.76 oz/3.3 ft)

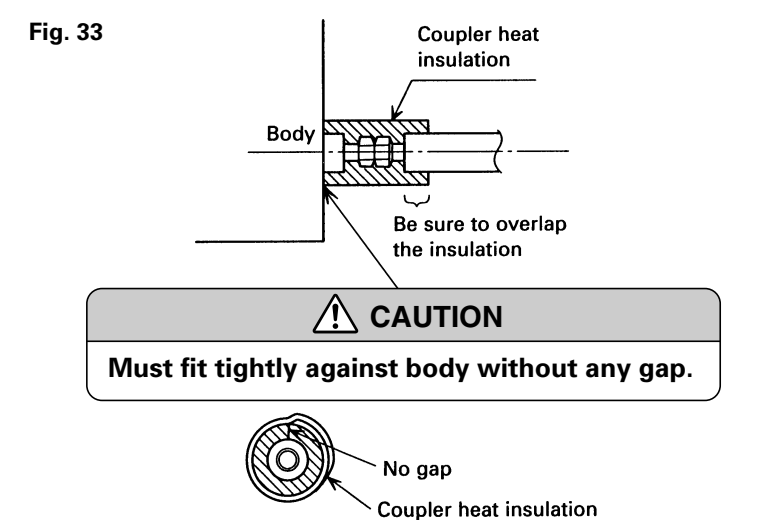
CAUTION

- When charging the refrigerant, always use a measuring cylinder.
- Add refrigerant from the charging valve after the completion of the work.

6

INSTALLING THE COUPLER HEAT INSULATION

After checking for gas leaks, insulate by wrapping insulation around the two parts (large and small) of the indoor unit coupling, using the coupler heat insulation. After installing the coupler heat insulation, wrap both ends with vinyl tape so that there is no gap.



7

ELECTRICAL WIRING

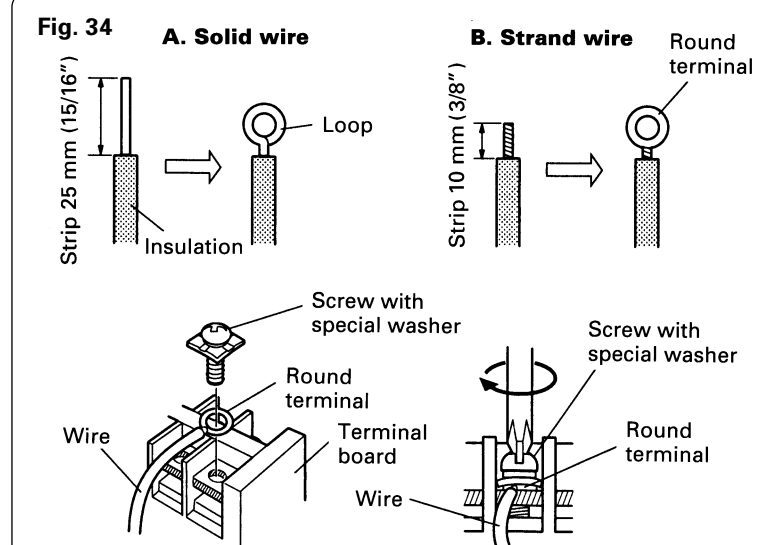
HOW TO CONNECT WIRING TO THE TERMINALS

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.

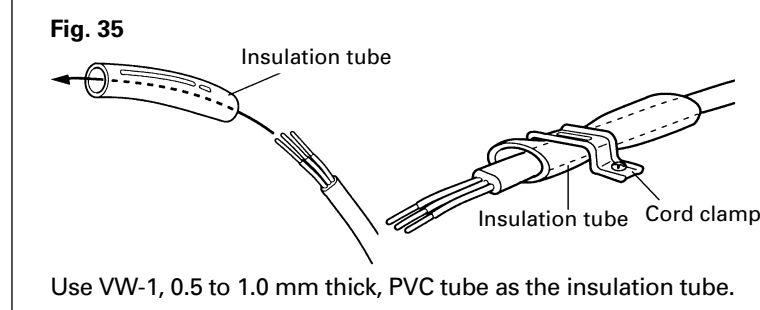
B. For strand wiring

- 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.



HOW TO FIXED CONNECTION CORD AND POWER SUPPLY CORD AT THE CORD CLAMP

After passing the connection cord and power supply cord through the insulation tube, fasten it with the cord clamp.

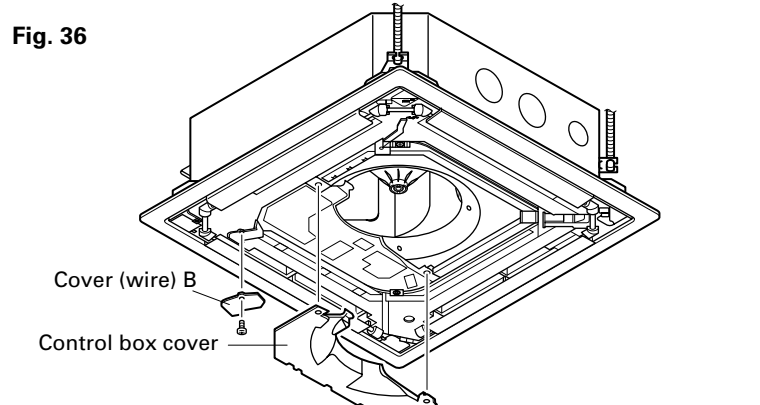


1. INDOOR UNIT SIDE

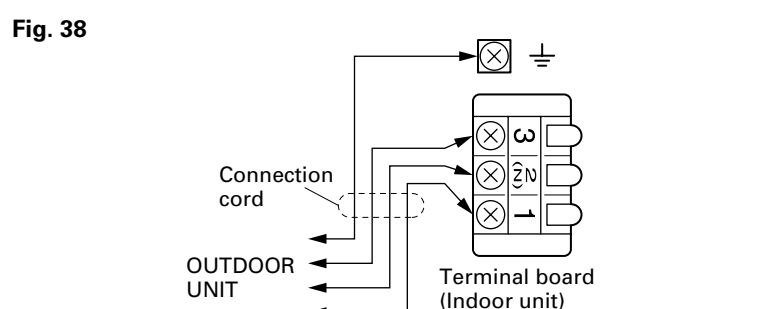
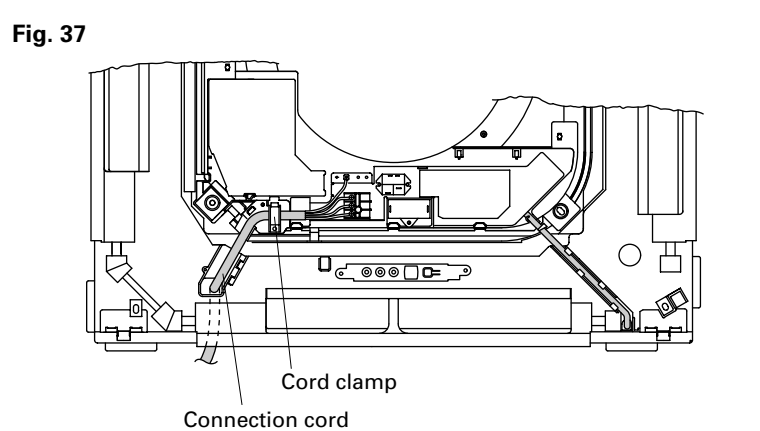
WARNING

- Before starting work, check that power is not being supplied to the indoor unit.
- Match the terminal board numbers and connection cord colors with those of the outdoor unit. Erroneous wiring may cause burning of the electric parts.
- Connect the connection cord firmly to the terminal board. Imperfect installation may cause a fire.
- Always fasten the outside covering of the connection cord with the cord clamp. (If the insulator is chafed, electric leakage may occur.)
- Always connect the ground wire.

- Remove the control box cover and cover (wire) B and install the connection cord.



- After wiring is complete, clamp the connection cord with the cord clamp.
- Install the control box cover and cover (wire) B.

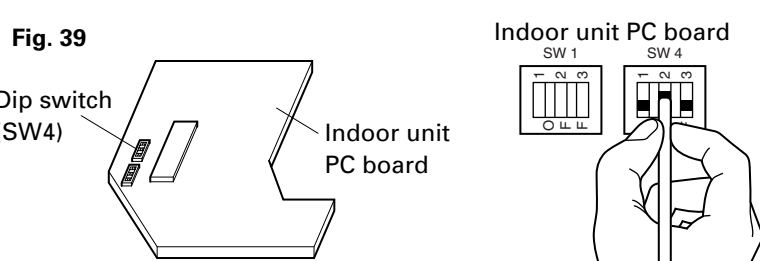


Ceiling height setting

Set the DIP switch for the ceiling height according to the table below.

Table 8

Ceiling height (m)		DIP-SW4		
		1	2	3
2.5 - 3.0	Normal	—	OFF	OFF
3.0 - 3.5	High ceiling 1	—	ON	OFF
More than 3.5	High ceiling 2	—	OFF	ON
Less than 2.5	Low ceiling	—	ON	ON



CAUTION

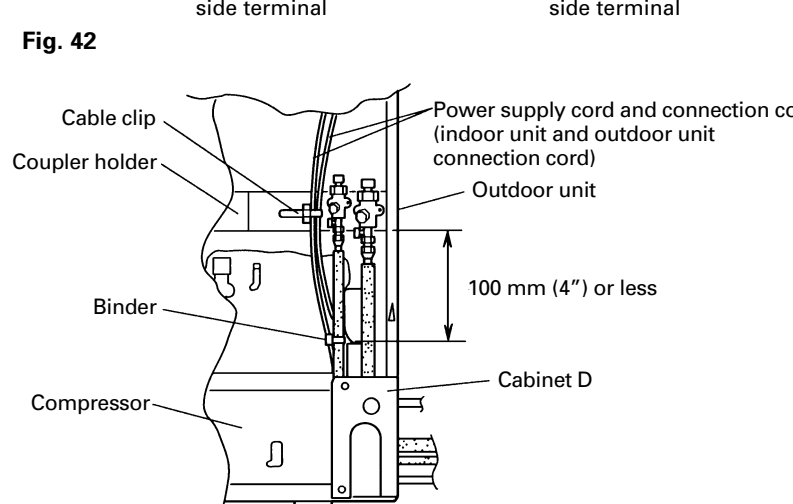
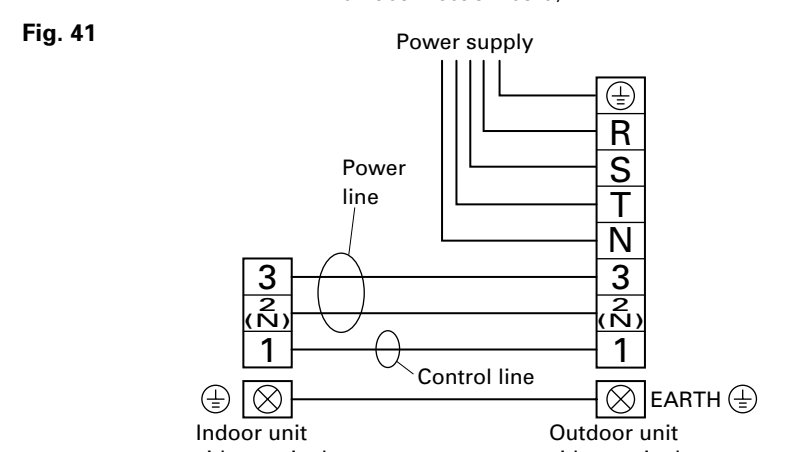
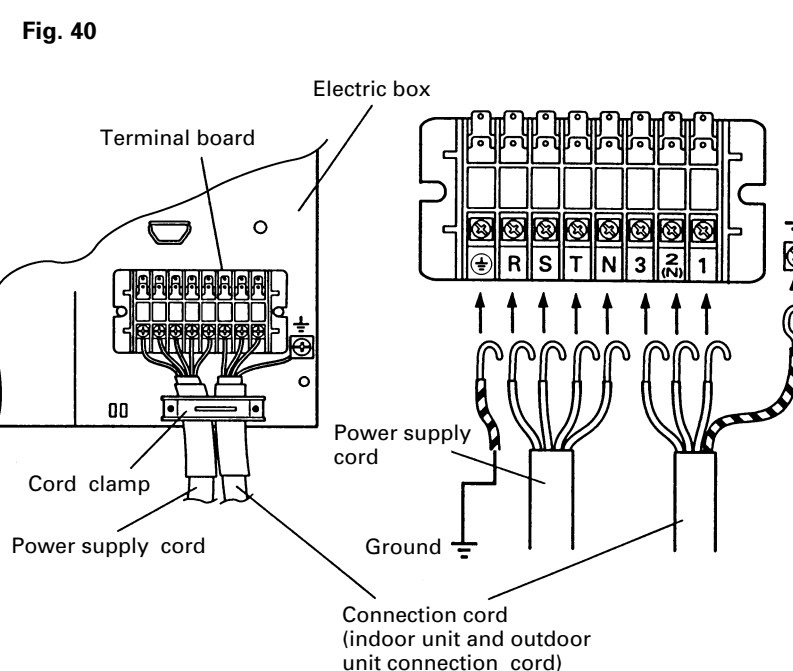
- If the setting for a low ceiling is selected, the capacity of the air conditioner decreases slightly.
- Do not set any switches other than those specified in this sheet or the remote controller installation instruction sheet. The air conditioner may not operate correctly if any switches other than those specified are changed.

2. OUTDOOR UNIT SIDE

WARNING

- Before starting work, check that power is not being supplied to the outdoor unit.
- Match the terminal board numbers and connection cord colors with those of the indoor unit side. Erroneous wiring may cause burning of the electric parts.
- Connect the connection cords and the power supply cord firmly to the terminal board. Imperfect installation may cause a fire.
- Always fasten the outside covering of the connection cord and the power supply cord with cord clamps. (If the insulator is chafed, electric leakage may occur.)
- Always connect the ground wire.

- Remove outdoor unit cabinet A and connect the power supply cord and the outdoor unit connection cord wired at the indoor unit.
- Fasten the power supply cord and connection cord with cable clip and binders as shown in (Fig. 42).

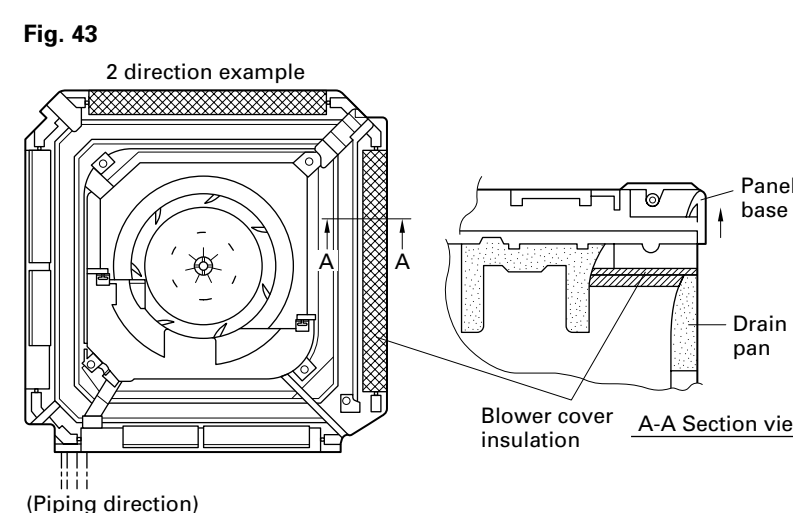


8

GRILLE INSTALLATION

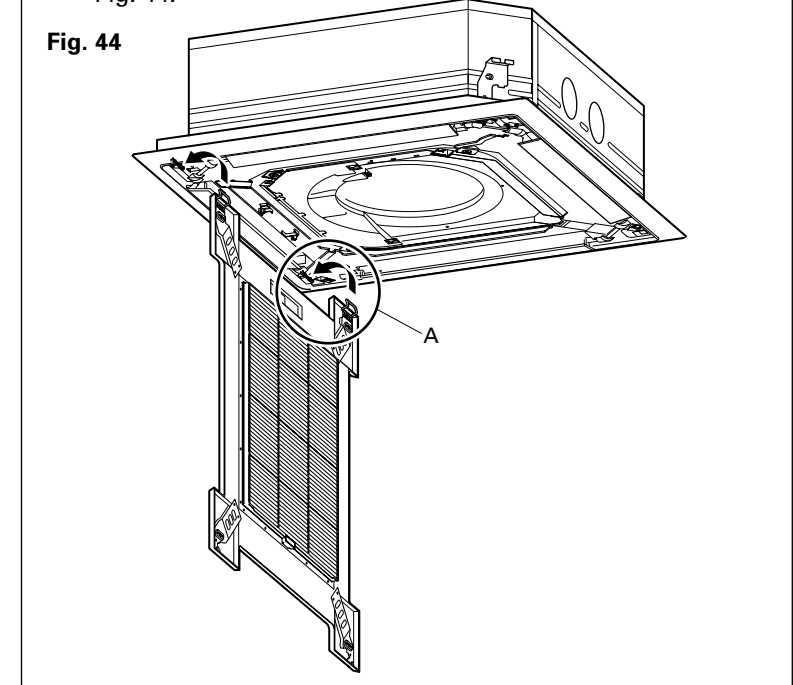
BLOWER COVER INSULATION

Install the blower cover insulation only when the outlet direction is not specified. Two blower cover insulations are packed with the indoor unit. Install the blower cover insulation at the diffuser position shown in Fig. 43. At this time, use the piping position as the criteria.



INSTALLING THE INTAKE GRILLE

- Mount the grille hinge wire to the hook shaft as shown in Fig. 44.



9

POWER

WARNING

- The rated voltage of this product is 380-415 V 3φ 50 Hz.
- Before turning on verify that the voltage is within the 342 to 457 V range.
- Always use a special branch circuit and install a special receptacle to supply power to the air conditioner.
- Use a special branch circuit breaker and receptacle matched to the capacity of the air conditioner. (Install in accordance with standard.)
- Perform wiring work in accordance with standards so that the air conditioner can be operated safely and positively.
- Install a leakage special branch circuit breaker in accordance with the related laws and regulations and electric company standards.

CAUTION

When the voltage is low and the air conditioner is difficult to start, contact the power company the voltage raised.

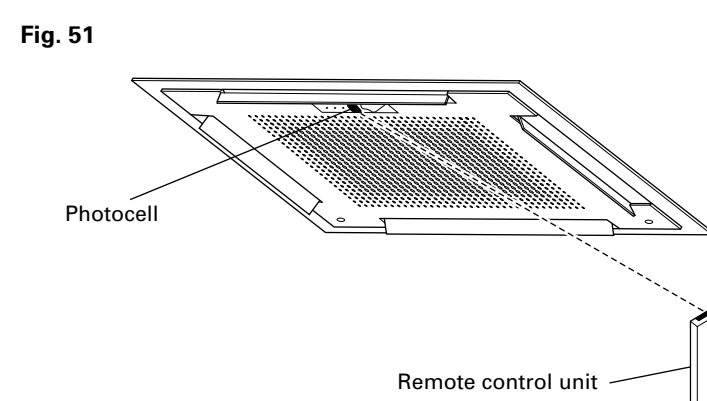
10

REMOTE CONTROL UNIT INSTALLATION

CAUTION

- Check that the indoor unit correctly receives the signal from the remote control unit, then install the remote control unit holder.
- 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 a stove, etc.

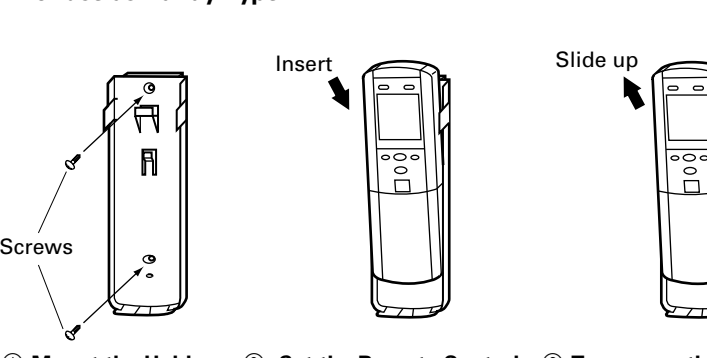
- Install the remote control unit so that the front is facing the photocell. (Fig. 51)



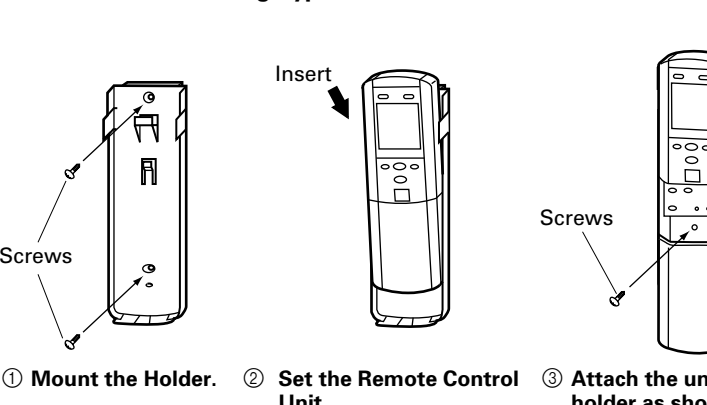
- Install the remote control unit with a distance of 7 m between the remote control unit and the grille photocell as the criteria. However, when installing the remote control unit, check that it operates positively.
- Install the remote control unit holder to a wall, pillar, etc. with the tapping screw (Fig. 52).

Fig. 52

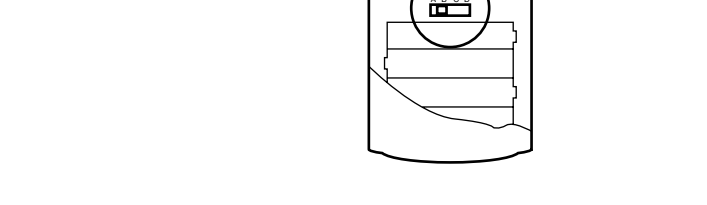
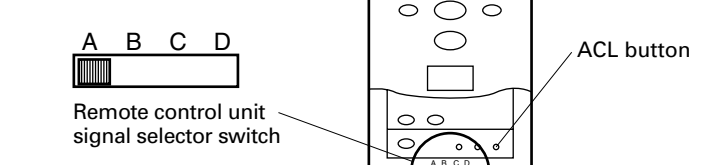
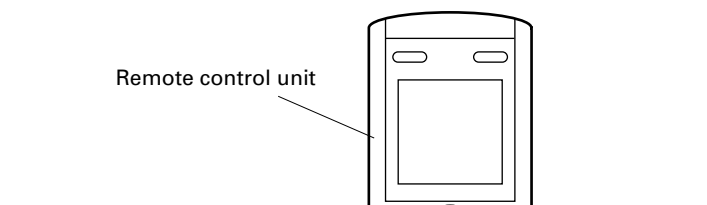
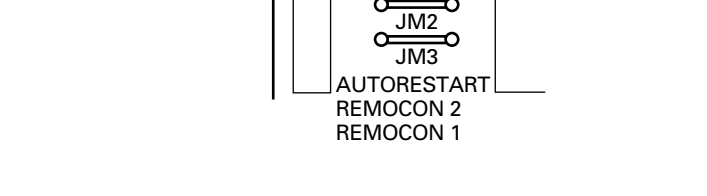
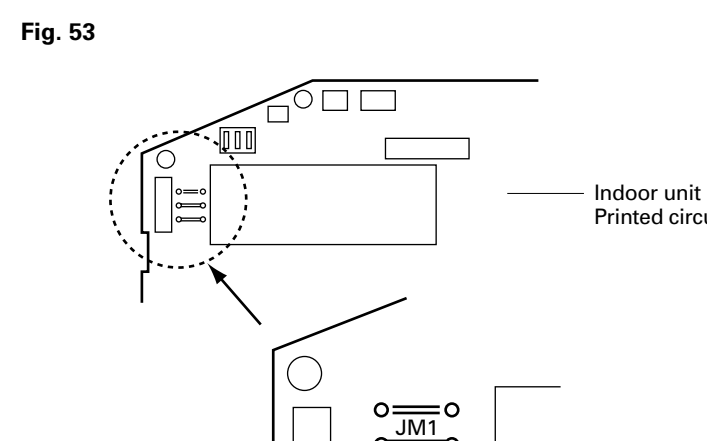
For use as Handy Type



For use as Wall Fixing Type



Remote control unit code switching.



Confirm the remote control unit signal selector switch selection and printed circuit board setting. If these are not confirmed, the remote control unit cannot be operated for the air conditioner.

Table 9

Jumper wire	Remote control unit signal selector switch
JM 2	JM 3
Connect	Connect
Connect	Disconnect
Disconnect	Connect
Disconnect	Disconnect

After setting the remote control unit signal selector switch, press the ACL button.

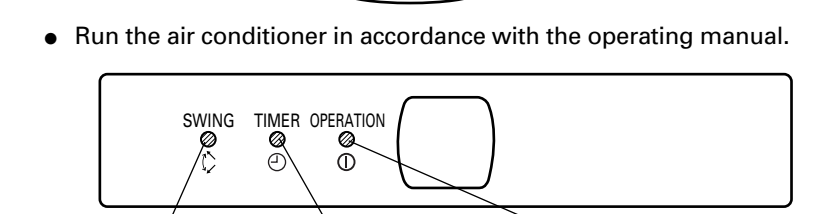
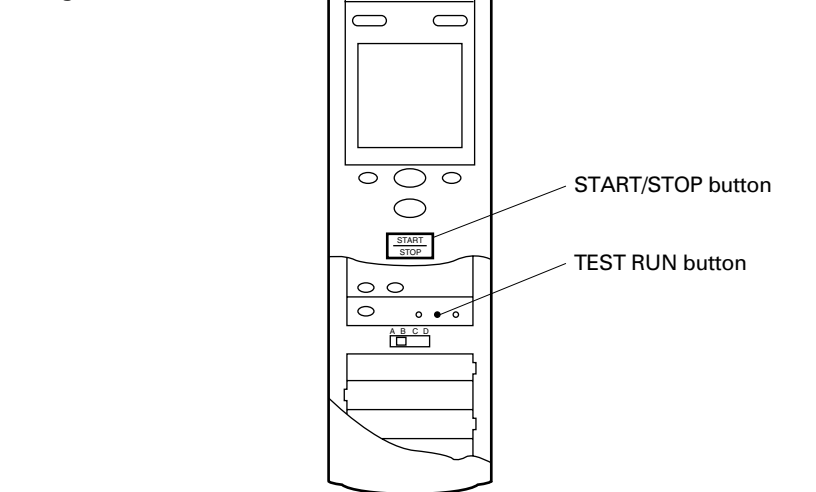
11

TEST RUNNING

1. INDOOR UNIT

- Press the remote control unit test run button while the air conditioner is running.
- At the end of test running, press the remote control unit start-stop button. (Fig. 54)

Fig. 54



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

- Test running
- Error

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 10) according to the error contents.

Table 10

Error contents	OPERATION lamp (RED)	TIMER lamp (GREEN)	SWING lamp (ORANGE)
Indoor EEPROM abnormal	○	○	×
Outdoor EEPROM abnormal	○	○	○
Indoor room temperature sensor open	(2 times) ●	○	×
Indoor room temperature sensor shortcircuited	(2 times) ●	○	○
Indoor heat exchanger temperature sensor open	(3 times) ●	○	×
Indoor heat exchanger temperature sensor shortcircuited	(3 times) ●	○	○
Floater switch operated	(4 times) ●	○	×
Indoor signal abnormal	(5 times) ●	○	×
Outdoor signal abnormal	(5 times) ●	○	○
Indoor fan abnormal	(6 times) ●	○	×
Outdoor power source connection abnormal	○	(2 times) ●	×
Outdoor heat exchanger temperature sensor open	○	(3 times) ●	×
Outdoor heat exchanger temperature sensor shortcircuited	○	(3 times) ●	○
Outdoor temperature sensor open	○	(4 times) ●	×
Outdoor temperature sensor shortcircuited	○	(4 times) ●	○
Outdoor discharge pipe temperature sensor open	○	(5 times) ●	×
Outdoor discharge pipe temperature sensor shortcircuited	○	(5 times) ●	○
Outdoor high pressure abnormal	○	(6 times) ●	×
Outdoor discharge pipe temperature abnormal	○	(7 times) ●	×

○ : 0.1s ON/0.1s OFF (flash) × : OFF

● : 0.5s ON/0.5s OFF (flash)

2. OUTDOOR UNIT

When the outdoor temperature drops, the outdoor unit's fans may switch to low speed, or one of the fans may stop intermittently.

ERROR : HEAT & COOL MODEL (REVERSE CYCLE) ONLY

The LED lamps operate as follows (Table 11) according to the error contents.

Table 11

Error contents	LED1	LED2	LED3	LED4	LED5	LED6
Signal abnormal	—	—	×	○	×	×
Indoor unit abnormal	—	—	×	×	○	×
Discharge pipe temperature abnormal	—	—	×	×	○	○
Outdoor heat exchanger temperature abnormal	—	—	×	×	○	○
Outdoor temperature abnormal	—	—	×	○	×	○
Power source connection error	—	—	○	×	×	×
EEPROM abnormal	—	—	○	○	○	○
Outdoor high pressure abnormal	○	—	—	—	—	—
Discharge pipe temperature abnormal	—	○	—	—	—	—

○ : 0.5s ON/0.5s OFF (flash) × : OFF

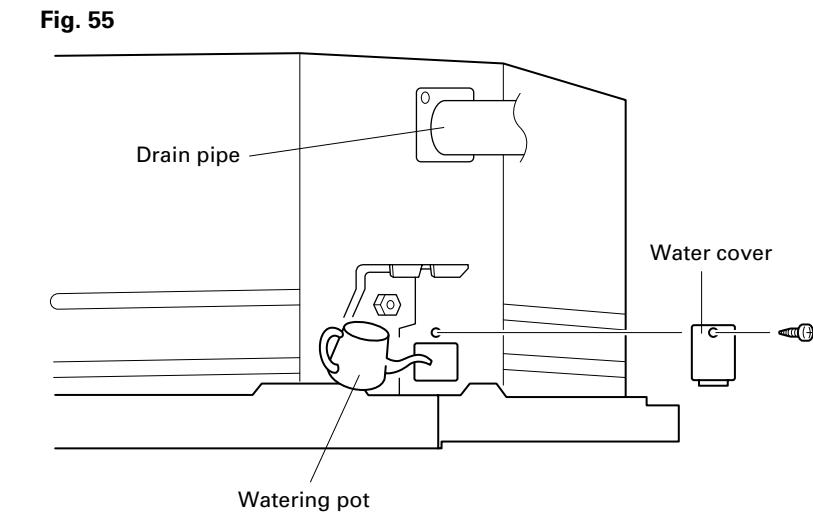
○ : 0.1s ON/0.1s OFF (flash) — : Indefinite

When the fault is cleared, the LED lamp goes off. However, for discharge pipe temperature abnormal and high pressure abnormal, the LED lamp lights continuously for 24 hours, as long as the power is not turned off.

3. CHECKING DRAINAGE

To check the drain, remove the water cover and fill with 2 to 3 l of water as shown in Fig. 55. The drain pump operates when operating in the cooling mode.

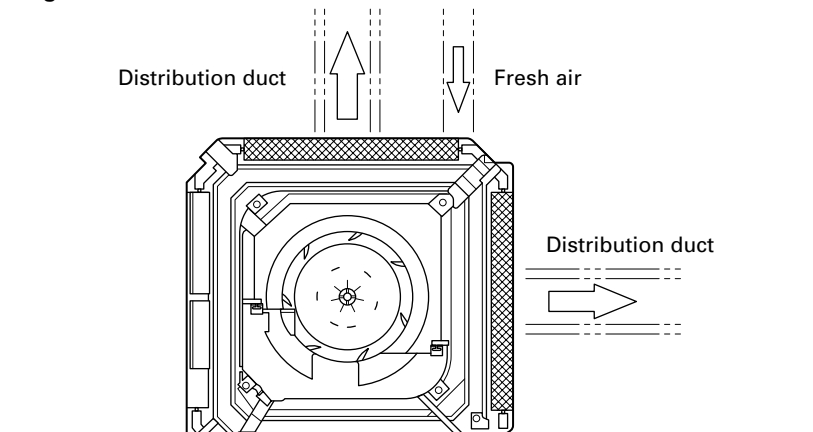
Fig. 55



12

OPENING THE DUCT CONNECTION HOLE

Fig. 56



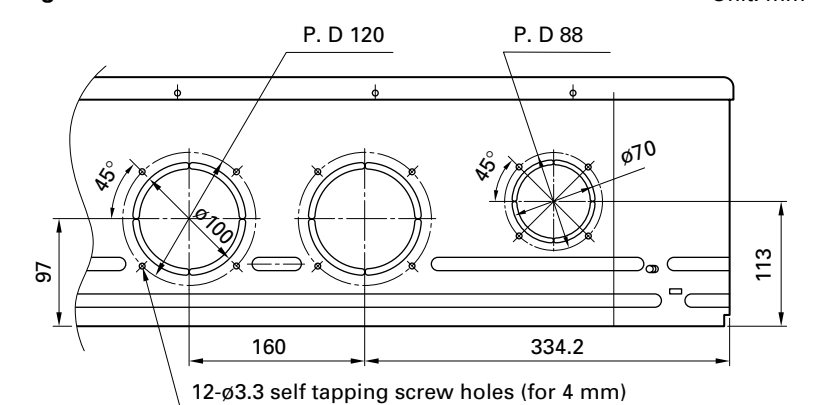
CAUTION

- When performing hole opening work, be careful not to damage the drain pan.
- When connecting the distribution duct, to make the air flow easily, block the outlet port with the blower cover insulation as shown by the hatched lines in Fig. 56. For the blocking direction, refer to Fig. 43.

1. DIMENSION

Screw position and connection hole which are fresh air duct and distribution duct.

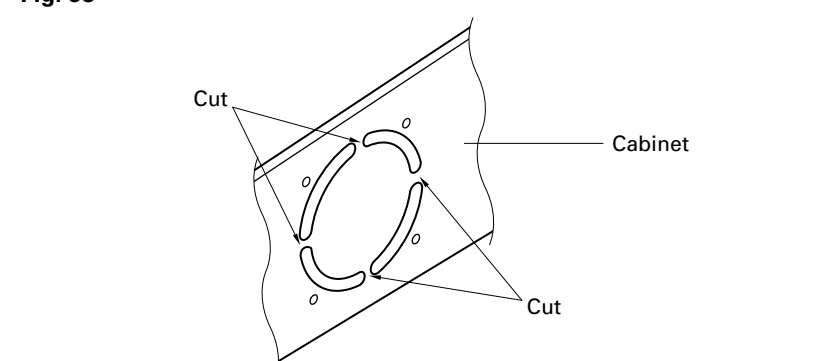
Fig. 57



2. DISTRIBUTION DUCT AND FRESH AIR DUCT HOLE PROCESSING

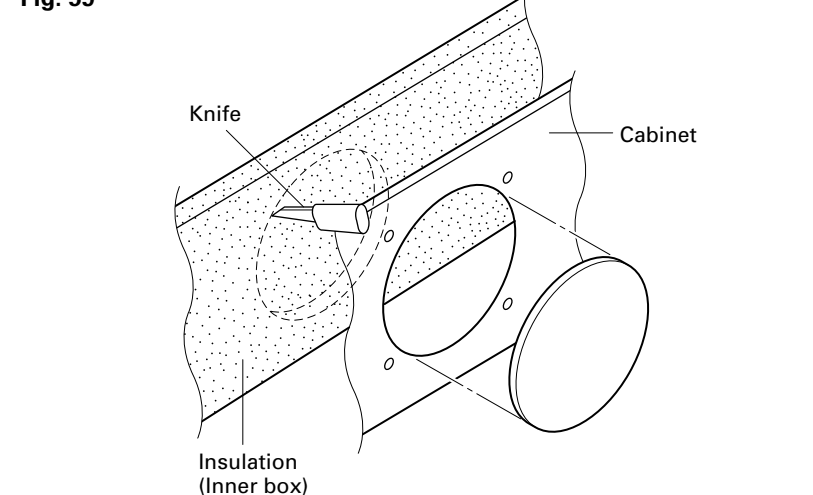
Use the distribution duct hole and fresh air duct hole by removing the insulation material as shown below.

Fig. 58



- Cut off the part (Cabinet) indicated by the arrow in the Fig. 58 with nippers, needle nose pliers, etc.

Fig. 59



- Open the holes and cut the insulation with a knife.
- Be careful not to damage the internal parts.
- Be careful not to cut yourself on the cutout in the metal plate.
- Please remove the insulation (inner box) left over after cutting.
- Connect the distribution duct.
- When mounting the duct, block the gap so that there is no cold air leakage.
- Insulate the duct and cut connection.

CAUTION

The air conditioner cannot take in fresh air by itself. When connecting a fresh air duct, always use a duct fan.