

SPLIT TYPE AIR CONDITIONER Cassette Type INSTALLATION INSTRUCTION SHEET (PART NO. 9369341038)

For authorized service personnel only.

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.

- For the air conditioner to operate satisfactorily, install it as specified in this installation instruction sheet.
- Connect the indoor unit and outdoor unit with the air conditioning piping and cords available from our standard parts. This installation instruction sheet describes the correct connections using the installation set available from our standard parts.
- Installation work must be performed in accordance with national wiring standards by authorized personnel only.
- 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.
- Do not turn on 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

The items are supplied as standard. Use them as required.

INDOOR UNIT ACCESSORIES

Name and Shape	Qty	Application
Remote control unit	1	Use for air conditioner operation
Battery (pair/light)	2	For remote control unit
Remote control unit holder	1	For mounting the remote control unit
Special nut A (large flange)	4	For installing indoor unit
Special nut B (small flange)	4	For installing indoor unit
Coupler heat insulation	2	For indoor side pipe joint
Template	1	For setting hole cutting
Tapring screw (M4 x 12)	2	For remote control unit holder installation
Blower cover installation	1	For discharge air
Hook	2	For installing intake grille

OUTDOOR UNIT ACCESSORIES

The types of outdoor units are shown in Fig. 4.

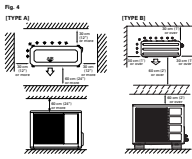
Accessories	Qty	Application
Hanging wrench	1	For operating the hanging wire on the outdoor unit
Drain pipe	1	For outdoor unit drain piping work. (Only for the models)
Cap (black)	2	

SELECTING THE MOUNTING POSITION

Especially, the installation place is very important for the split type air conditioner because it is very difficult to move from place to place as for the installation.

Check the mounting position together with the customer as follows:

- Check the discharge direction can be selected as shown below.
- Do not place animals and plants in the path of the warm air.
- Take the air conditioner weight into account and select a place where there will be no vibration or noise.
- Check the place so that the warm air and noise from the air conditioner do not disturb neighbors.
- Provide the space shown in Fig. 4 so that the air flow is not blocked. Also for sufficient operation, leave open three of the four directions front, top, and both sides.
- Do not set the unit directly on the ground because it will cause trouble.
- Set the unit on a strong stand, such as one made of concrete blocks to suppress shock and vibration.



CONNECTION PIPE REQUIREMENT

Dimension	Minimum	Maximum	Maximum height
Small	1.5 m (4.9 ft)	25 m (82 ft)	15 m (50 ft)
Large	1.5 m (4.9 ft)	25 m (82 ft)	15 m (50 ft)

- Use 3.7 mm to 1.2 mm thick pipe.
- Use pipe with same material heat insulation.
- Use pipe that can withstand a pressure of 3.040 MPa.

CAUTION! Install heat insulation around both the gas and liquid pipes. Failure to do so may cause water leaks. 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. If heat insulation is expected to be wet, 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 25 °C).

ELECTRICAL REQUIREMENT

Electric wire size and fuse/breaker capacity:

Item	MAX.	MIN.
Power supply	2.0	1.5
Conductor	2.0	1.5
Breaker	1.5	1.0
Fuse/Breaker capacity (A)	30	

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

INSTALLATION PROCEDURE

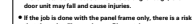
1. INDOOR UNIT INSTALLATION

WARNING! Install the air conditioner in a location which sea level standard is at least five times the weight of the main unit and which will not vibrate or shake when 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.

REMOVING THE INTAKE GRILLE

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



2. HANGING PREPARATION

- Firmly fasten the hanging bolts as shown in Fig. 13 by another method.
- Install the hanging bolts at a place where they would be capable of holding a weight of at least 650 to 100 kgf per each.



3. BODY INSTALLATION

(The ceiling net height is 250 mm (9.8") or more.) (Standard setting)

- Install special nut A. Then special nut B is then fastened to the hanging hole (Fig. 15).
- Raise the body and mount the handle onto the hanging hole between the special nuts (Fig. 15).
- Turn special nut B to adjust the height of the body (Fig. 15).
- Leveling.



INSTALLING THE PANEL FRAME

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



1. POSITIONING THE CEILING HOLE AND HANGING BOLTS

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



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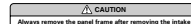
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3. BODY INSTALLATION

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- Install special nut A. Then special nut B is then fastened to the hanging hole (Fig. 15).
- Raise the body and mount the handle onto the hanging hole between the special nuts (Fig. 15).
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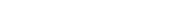
(The ceiling net height is 250 mm (9.8") or more.) (Standard setting)

- Install special nut A. Then special nut B is then fastened to the hanging hole (Fig. 15).
- Raise the body and mount the handle onto the hanging hole between the special nuts (Fig. 15).
- Turn special nut B to adjust the height of the body (Fig. 15).
- Leveling.



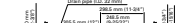
INSTALLING THE PANEL FRAME

- Push the intake grille pushbutton three places.
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1. POSITIONING THE CEILING HOLE AND HANGING BOLTS

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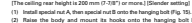
(The ceiling net height is 250 mm (9.8") or more.) (Standard setting)

- Install special nut A. Then special nut B is then fastened to the hanging hole (Fig. 15).
- Raise the body and mount the handle onto the hanging hole between the special nuts (Fig. 15).
- Turn special nut B to adjust the height of the body (Fig. 15).
- Leveling.



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(The ceiling net height is 250 mm (9.8") or more.) (Standard setting)

- Install special nut A. Then special nut B is then fastened to the hanging hole (Fig. 15).
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- Turn special nut B to adjust the height of the body (Fig. 15).
- Leveling.



INSTALLING THE PANEL FRAME

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



INSTALLING DRAIN PIPE

CAUTION! Install the drain pipe in accordance with the instructions in this installation instruction sheet and keep the area warm enough to prevent condensation. Problems with the piping may lead to water leaks.

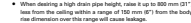
NOTE: Install the drain pipe

- Install the drain pipe with downward gradient (1/50 to 1/100) and so there are no floor or steps in the pipe.
- Use general hard polyvinyl chloride pipe (PVC) (outside diameter 20 mm (3/4") and connect it with adhesive (polyvinyl chlorinated) so that there is no leakage.
- When the pipe is being fixed, install supports.
- Do not perform an overlap.
- Always heat (insulate) the indoor side of the drain pipe.
- When creating a high drain pipe height, make it to 100 mm (3 1/2") or less from the ceiling with a range of 150 mm (6") from the body. A rise dimension over this range will cause leakage.



2. BENDING PIPES

The pipes are supported by your hands. Be careful not to collapse them.



Do not bend the pipe in an angle more than 90°. When pipes are repeatedly bent or crushed, the material will harden, making it difficult to bend or crush them any more. Do not bend or crush the pipe more than three times.

When bending the pipe, do not bend it as in Fig. 25. The pipe will be collapsed. In this case, use the heat insulating pipe with a sharp bend as shown in Fig. 26, and bend it after expanding the pipe. After bending the pipe as you want, be sure to put the heat insulating pipe back on the pipe, and secure it with tape.



CAUTION! 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.

3. CONNECTION PIPES

1. INDOOR UNIT PROCESSING

When the outdoor unit will be exposed to strong wind, fasten it to the hole of the four places indicated by the arrow (Fig. 21).



2. OUTDOOR UNIT CONNECTION CORD AND PIPE CONNECTION PREPARATIONS

- Remove the cover with screw and terminal cover.
- Connect the wiring, connection cord and power supply cord.

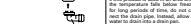


3. CONNECTING THE PIPING

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

- 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 and remove the burrs.
 - Remove the flare nut from the indoor pipe and outdoor unit and assemble it as shown in Table 2 and insert the flare nut onto the pipe and flare with a flaring tool.
 - Check if the flare part "C" (Fig. 23) is spread uniformly and that there are no cracks.

Flare nut	Flare nut
Small pipe	Small (width across flares 22 mm)
Large pipe	Large (width across flares 27 mm)



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

- Outdoor unit side
 - Tighten the flare nut of the connection pipe at the outdoor unit valve connection. The tightening method is the same as that at the indoor side.

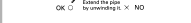


4. CONNECTING THE PIPING

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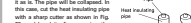
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- Outdoor unit side
 - Tighten the flare nut of the connection pipe at the outdoor unit valve connection. The tightening method is the same as that at the indoor side.



5

VACUUM PROCESS

- VACUUM**
 - Remove the cap, and connect the gauge manifold and the vacuum pump to the charging valve by the service hoses.
 - Vacuum the indoor unit and the connecting pipes until the pressure in them lowers to below 1.5 mmHg.
 - Disconnect the service hoses and fit the cap to the charging valve (Tightening torque : 6.87 to 8.83 N·m (70 to 90 kgf·cm).
 - Remove the blank caps, and fully open the spindles of the 2-way and 3-way valves with a hexagon wrench (Torque : 2-way valve: 6.87 to 8.83 N·m (70 to 90 kgf·cm), 3-way valve: 9.81 to 11.77 N·m (100 to 120 kgf·cm)).
 - Tighten the blank caps of the 2-way valve and 3-way valve to the specified torque (19.62 to 24.53 N·m (200 to 250 kgf·cm)).

Fig. 29

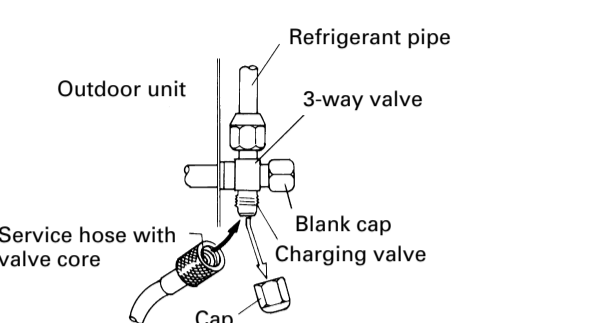
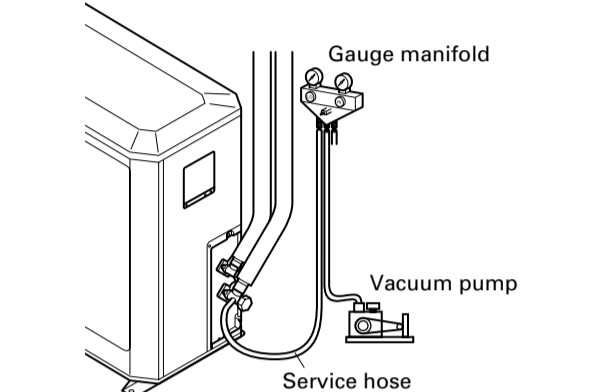


Fig. 30



2. ADDITIONAL CHARGE

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

Table 5

Pipe length	7.5 m	10 m	15 m	20 m	25 m	
	(25 ft)	(33 ft)	(49 ft)	(66 ft)	(82 ft)	
Additional refrigerant	Heat & Cool (Reverse cycle)	None	100 g (3.5 oz)	300 g (10.6 oz)	500 g (17.6 oz)	700 g (24.7 oz)
	Cooling model	None	43 g (1.5 oz)	128 g (4.5 oz)	213 g (7.5 oz)	298 g (10.5 oz)

Between 7.5 m and 25 m, when using a connection pipe other than that in the table, charge additional refrigerant with 40 g (1.4 oz)/1 m (3.3 ft) (Reverse cycle model), 17 g (0.6 oz)/1 m (3.3 ft) (Cooling model) as the criteria.

CAUTION

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

6

GAS LEAKAGE INSPECTION

CAUTION

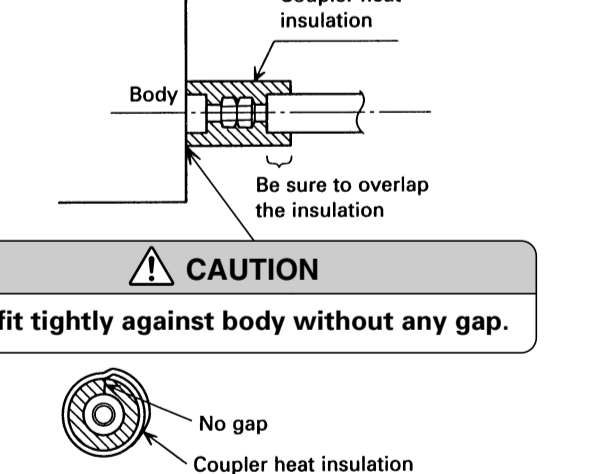
After connecting the piping, check the joints for gas leakage with gas leak detector.

7

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.

Fig. 31



CAUTION

Must fit tightly against body without any gap.

8

ELECTRICAL WIRING

HOW TO CONNECT WIRING TO THE TERMINALS

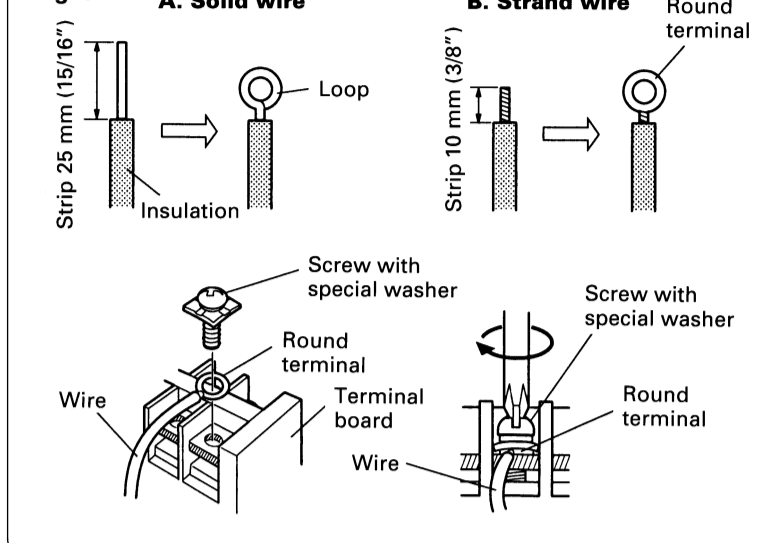
A. For solid core wiring (or F-cable)

- 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.

Fig. 32



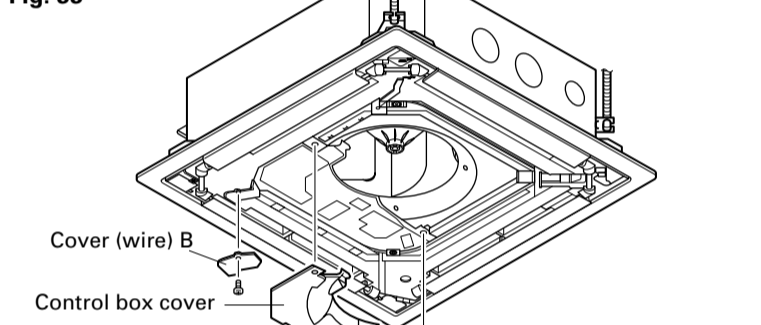
1. INDOOR UNIT SIDE

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.

Fig. 33



- After wiring is complete, clamp the connection cord with the cord clamp.

- Install the control box cover and cover (wire) B.

Fig. 34

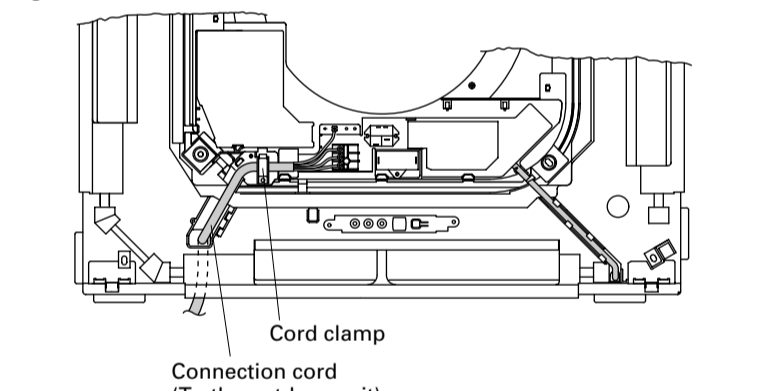
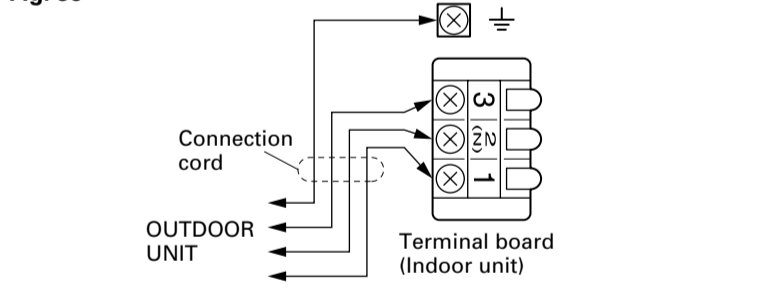


Fig. 35



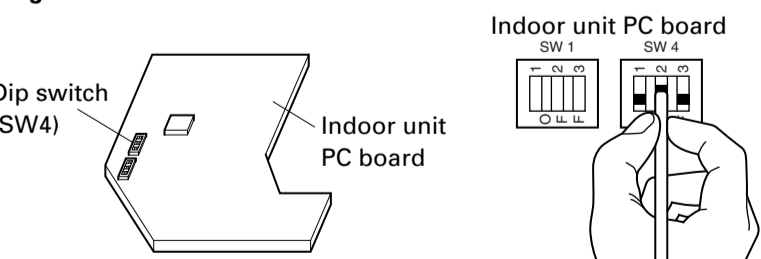
Ceiling height setting

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

Table 6

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

Fig. 36



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.

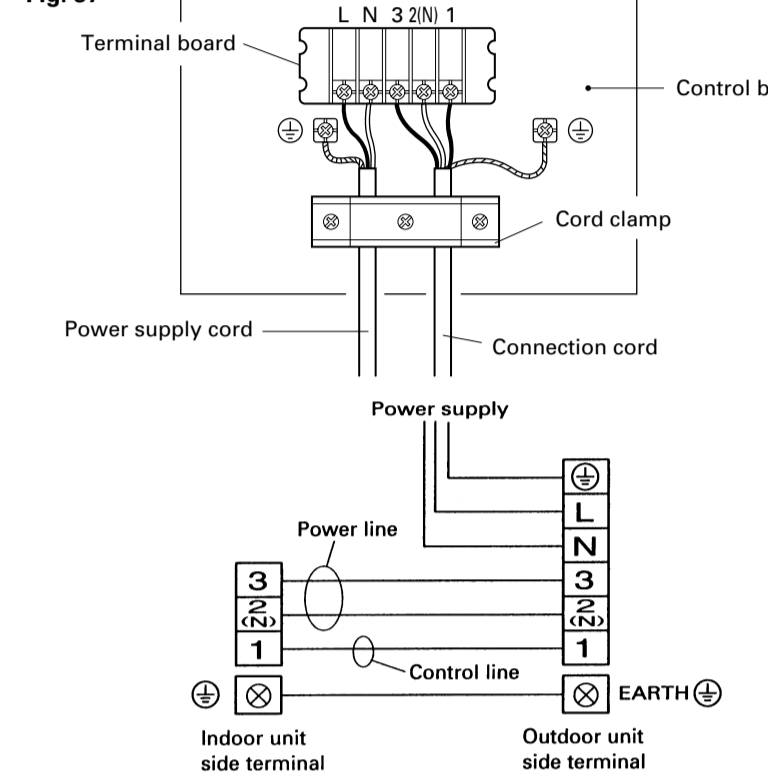
2. OUTDOOR UNIT SIDE

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.

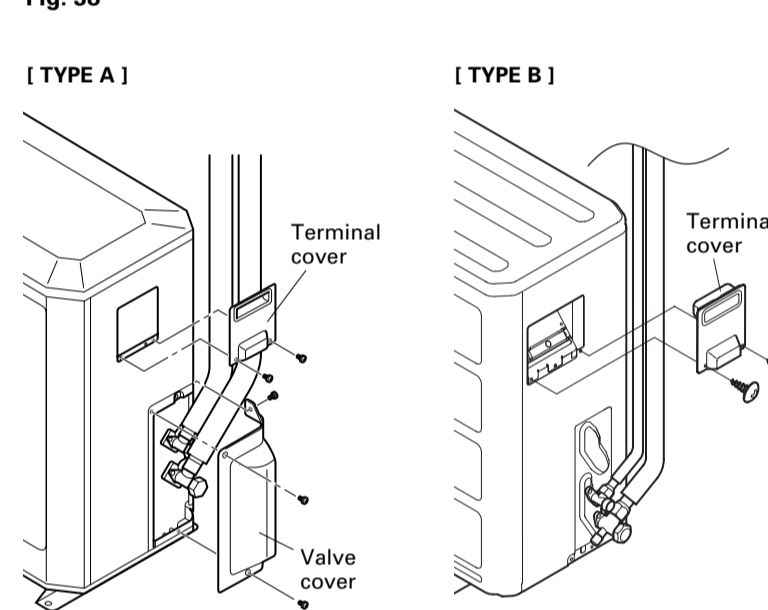
- Remove outdoor unit terminal cover and connect the power supply cord and the outdoor unit connection cord wired at the indoor unit.
- Fasten the power supply cord and connection cord with cord clamp as shown in (Fig. 37).

Fig. 37



- Install the terminal cover and valve cover.

Fig. 38



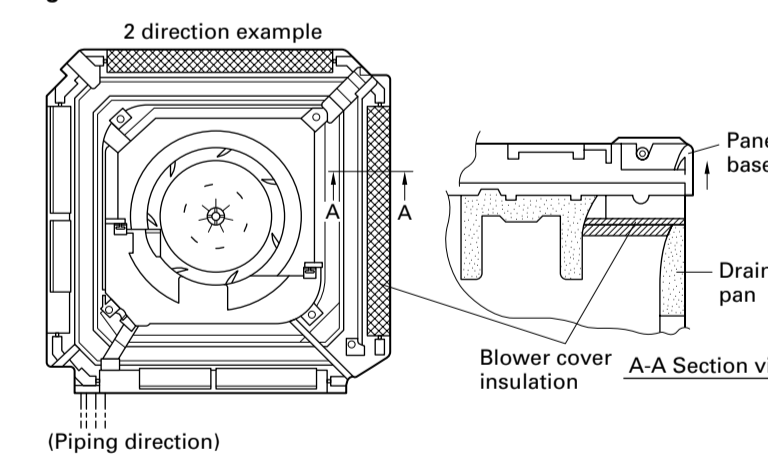
9

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. 39. At this time, use the piping position as the criteria.

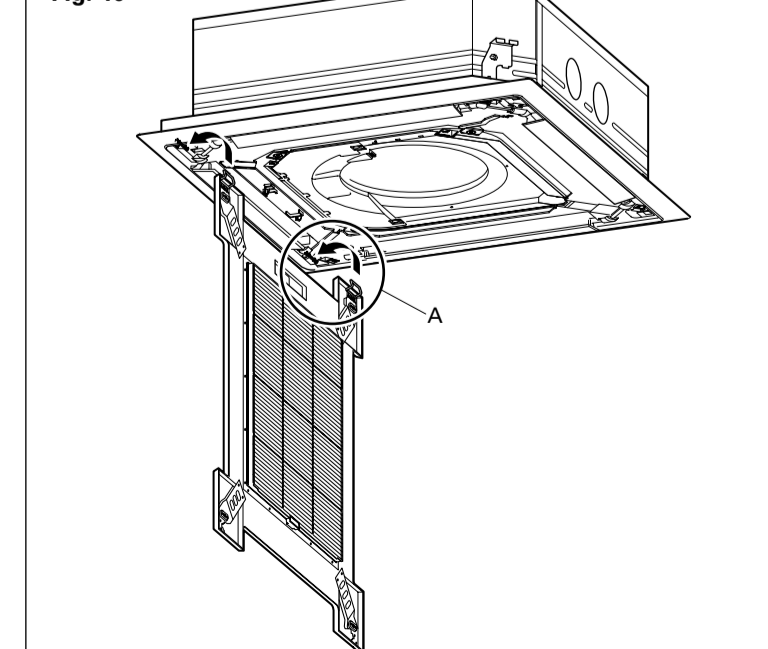
Fig. 39



INSTALLING THE INTAKE GRILLE

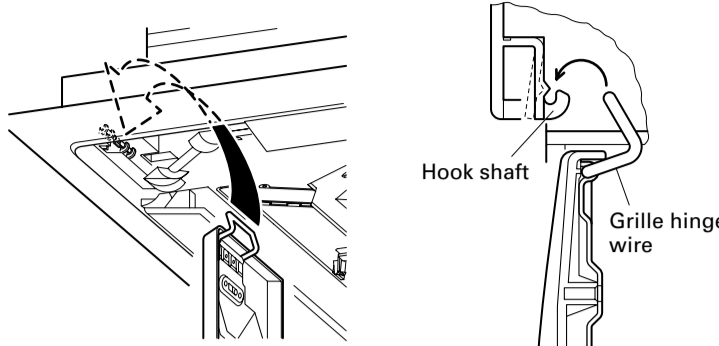
- Mount the grille hinge wire to the hook shaft as shown in Fig. 40.

Fig. 40



- Latch the grille hinge wire to the hook shaft, and fasten.

Fig. 41 Part A detail view



- Install the hook wire.

- Pass the hook wire through the panel base from the rear side as shown in Fig. 43, and fasten to the reinforced metal fitting of the intake grille using a screw.

Fig. 43

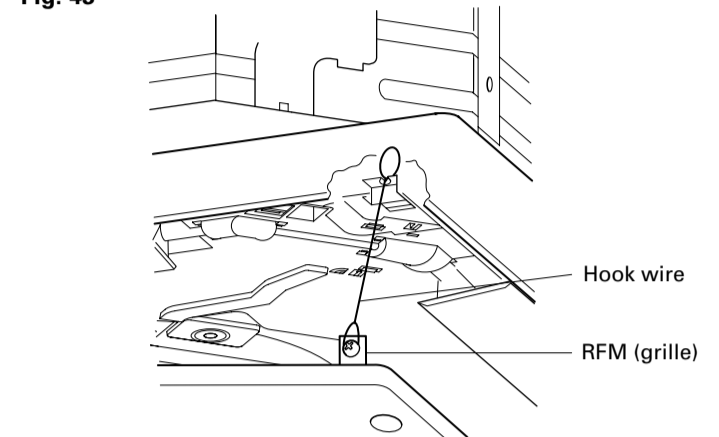
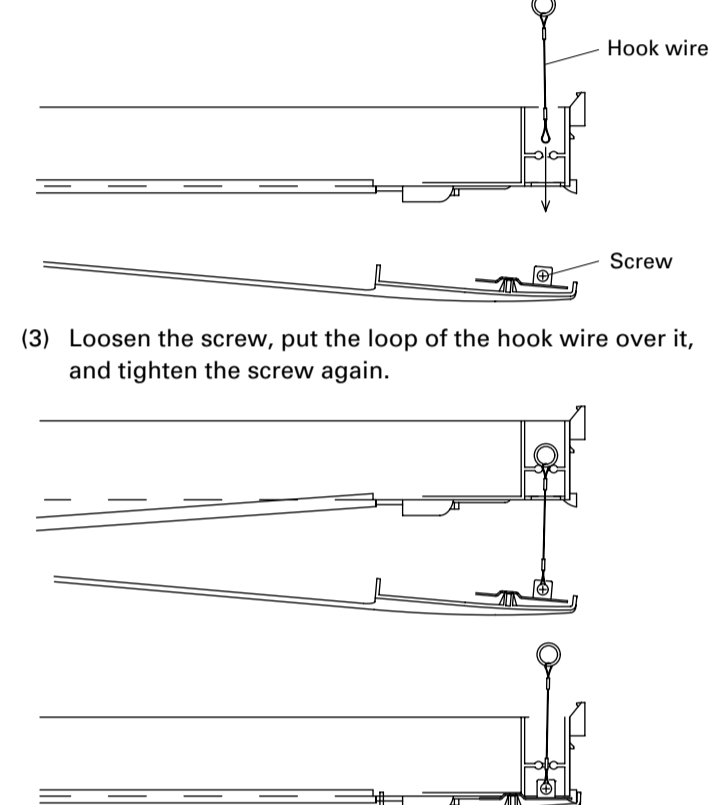


Fig. 44 Section view



CAUTION

Install the intake grille hook wire to the grille assembly. If it falls, it may cause injuries.

- Bring up the intake grille by pushing it up at an angle as shown in Figs. 45, 46, and fasten.

Fig. 45

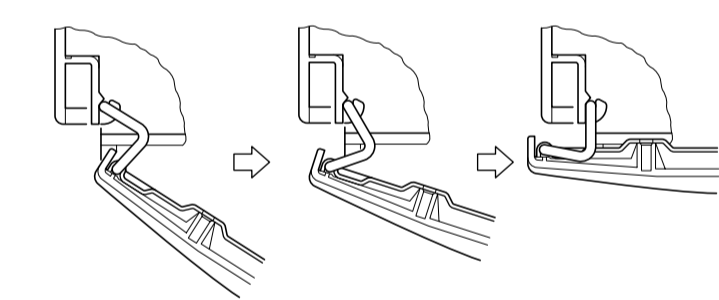
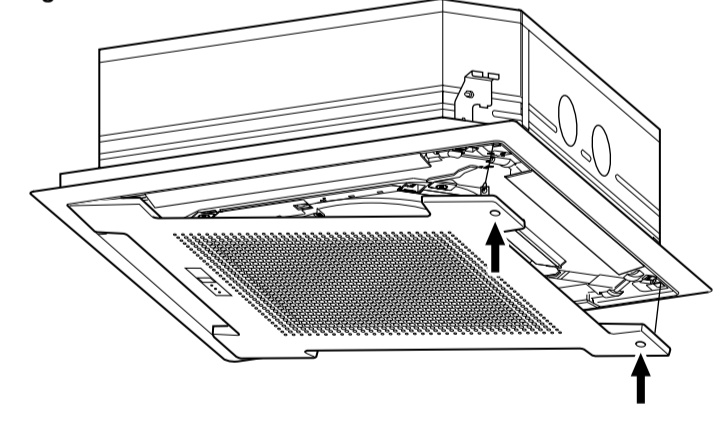


Fig. 46



10

POWER

WARNING

- The rated voltage of this product is 220-240 V 50 Hz.
- Before turning on verify that the voltage is within the 198 to 264 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.

11

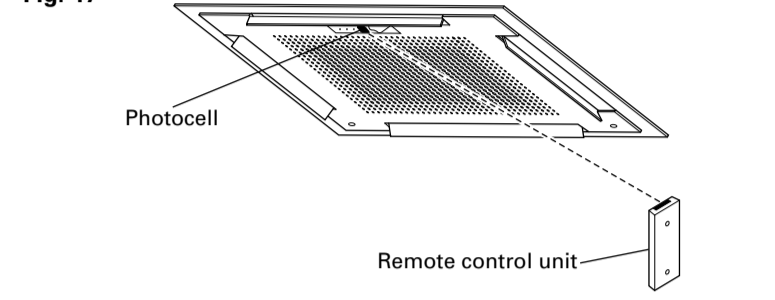
REMOTE CONTROL UNIT INSTALLATION

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.

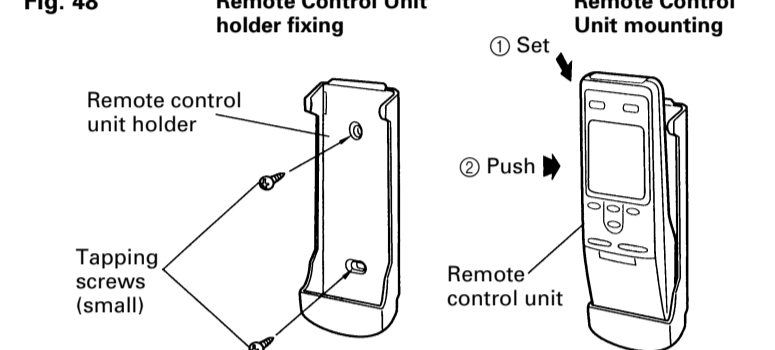
- Install the remote control unit so that the front is facing the photocell. (Fig. 47)

Fig. 47



- 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. 48).

Fig. 48



SWITCHING REMOTE CONTROL UNIT SIGNAL CODES

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.

- Air conditioner settings

Fig. 49

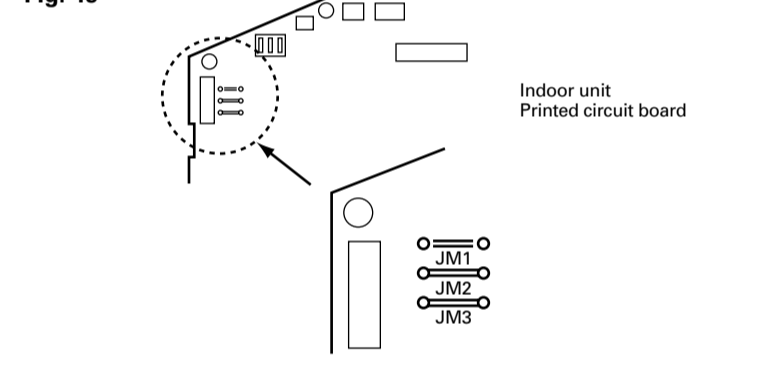


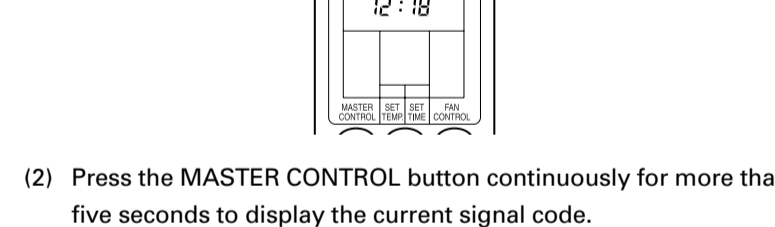
Table 7

Jumper wire	Remote control unit signal code	
	JM 2	JM 3
Connect	Connect	A (Primary setting)
Connect	Disconnect	B
Disconnect	Connect	C
Disconnect	Disconnect	D

- Remote control unit settings

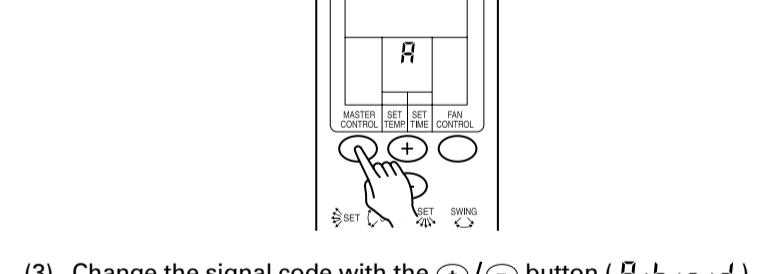
- Press the START/STOP button and display only the clock.

Fig. 50



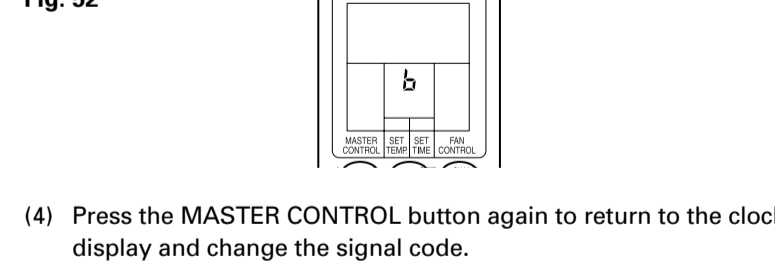
- Press the MASTER CONTROL button continuously for more than five seconds to display the current signal code.

Fig. 51



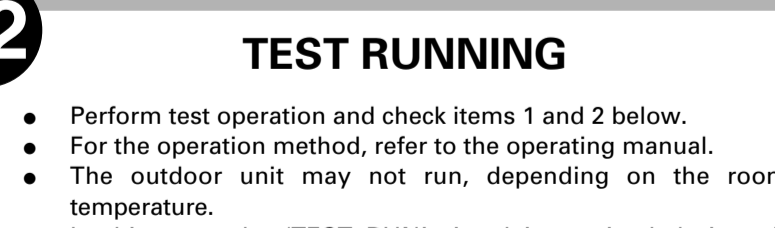
- Change the signal code with the \odot/\odot button (A-B-C-D).

Fig. 52



- Press the MASTER CONTROL button again to return to the clock display and change the signal code.

Fig. 53



12

TEST RUNNING

- 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).

- Short the two metal contacts under the battery compartment lid.



- To end test operation, press the remote control unit START/STOP button.
(When the air conditioner is run by pressing the remote control unit TEST RUN button, the OPERATION and TIMER lamps will simultaneously flash slowly.)

CHECK ITEMS

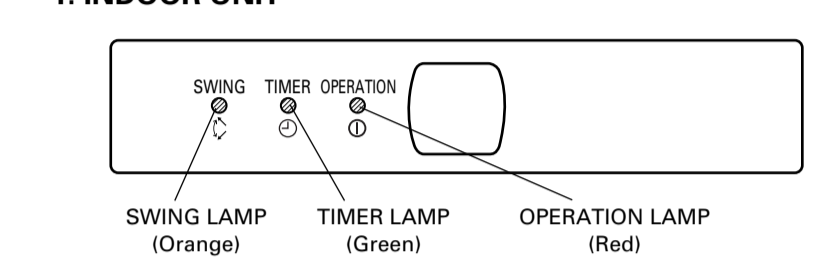
(1) INDOOR UNIT

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

(2) OUTDOOR UNIT

- Is there any abnormal noise and vibration during operation?
 - Will noise, wind, or drain water from the unit disturb the neighbors?
 - Is there any gas leakage?
- Do not operate the air conditioner in the test running state for a long time.

1. INDOOR UNIT



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

- Error

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

Error contents	OPERATION lamp (RED)	TIMER lamp (GREEN)	SWING lamp (ORANGE)
Indoor EEPROM abnormal	○	○	×
Indoor 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) ●	○	○
Float 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.

ERROR : HEAT & COOL MODEL (REVERSE CYCLE) ONLY

The LED lamps operate as follows (Table 9) according to the error contents.

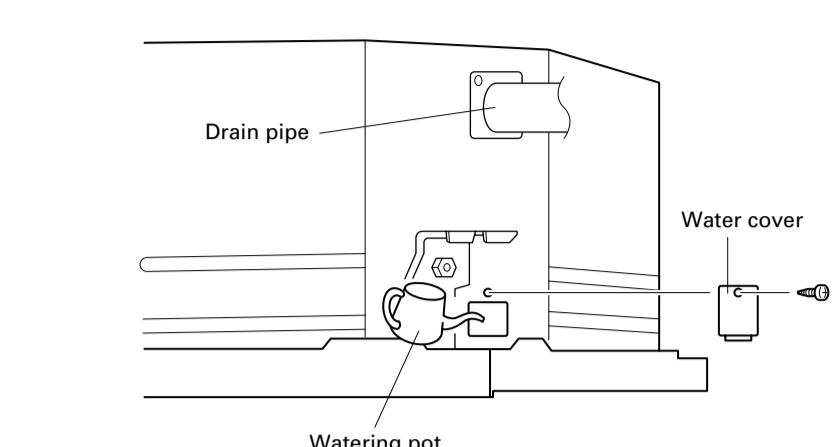
Error display	LED1	LED2	Error contents
ON OFF	0.1 sec.	0.1 sec.	Model abnormal or EEPROM abnormal
Quick flash continued	0.5 sec.	Quick flash continued	Power source connection error
ON OFF	0.5 sec.	ON OFF	Lighting continued
1 quick flash repeated	0.5 sec.	ON OFF	Discharge temperature sensor error
ON OFF	0.5 sec.	ON OFF	Lighting continued
2 quick flash repeated	0.5 sec.	ON OFF	Lighting continued
ON OFF	0.5 sec.	ON OFF	Lighting continued
3 quick flash repeated	0.5 sec.	ON OFF	Lighting continued
ON OFF	0.5 sec.	ON OFF	Lighting continued
4 quick flash repeated	0.5 sec.	ON OFF	Lighting continued
ON OFF	0.5 sec.	ON OFF	Lighting continued
5 quick flash repeated	0.5 sec.	ON OFF	Lighting continued
ON OFF	0.5 sec.	ON OFF	Lighting continued
6 quick flash repeated	0.5 sec.	ON OFF	Lighting continued
ON OFF	0.5 sec.	ON OFF	Lighting continued
7 quick flash repeated	0.5 sec.	ON OFF	Lighting continued
ON OFF	0.5 sec.	ON OFF	Lighting continued
8 quick flash repeated	0.5 sec.	ON OFF	Lighting continued

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. 54.
The drain pump operates when operating in the cooling mode.

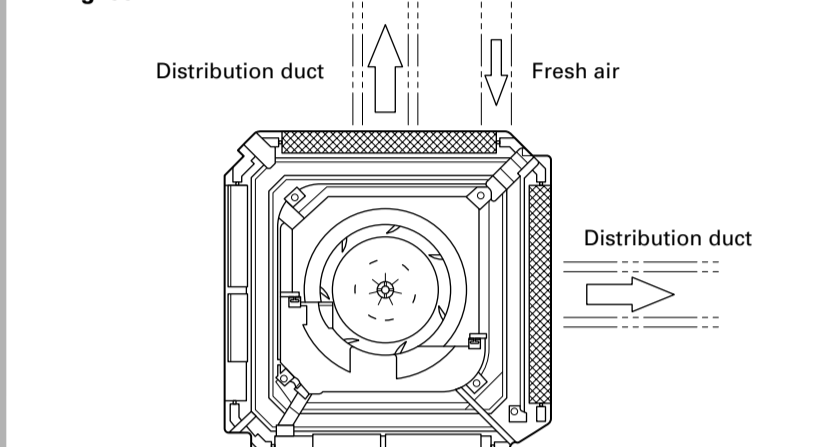
Fig. 54



13

OPENING THE DUCT CONNECTION HOLE

Fig. 55



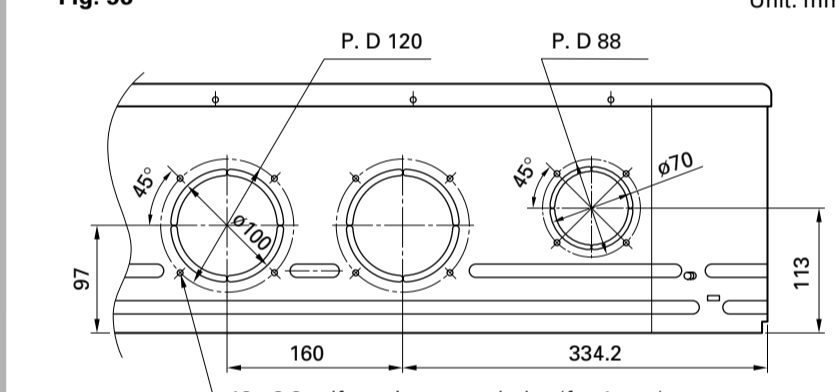
CAUTION

- 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. 55. For the blocking direction, refer to Fig. 39.

1. DIMENSION

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

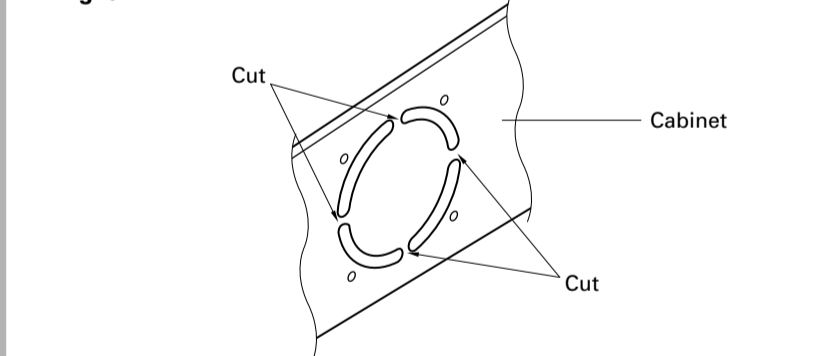
Fig. 56



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. 57



- Cut off the part (Cabinet) indicated by the arrow in the Fig. 57 with nippers, needle nose pliers, etc.