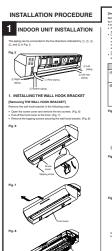
SPLIT TYPE ROOM AIR CONDITIONER

INSTALLATION INSTRUCTION SHEET

(PART NO. 9369231018)

SELECTING THE MOUNTING POSITION





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



















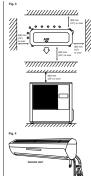


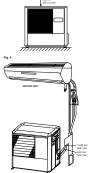












STANDARD ACCESSORIES

1	Use as remote control unit holder
1	For indoor unit installation
1	For drain hose installation
12	For wall hook bracket installation
2	For remails control unit holider installation
	1 1 12

UTDOOR UNIT ACCESSORIES						
texagon vrench	1	For opening the refrigerant valve on the outdoor unit				
Carrier Str.	2	For power supply cond binding				
painted)	1	For fixing the valve cover				
Carlo pipe	1	For outdoor unit drain piping work (Heat & Cool model				
Sain cap	2	(Reverse cycle) only[

ELECTRICAL REQUIREMENT

Table 2					
MIN.	3.5				
onnection cord (mm²)	MAX.	2.5			
onimicaon cora (min-)	MIN.	1.5			
use capacity (A)		30			
nstall the disconnect device with a contact gap of at least 3 mm nearby					

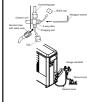












Pipe length		(82.1)	(99.1)	
Additional refrigerant	Heat&Cool model (Reverse cycle)	700 g (24.7 az)	-	40 g/1 m (1.41 ca/3.3 t)
	Cooling model	250 g (12.3 gr)	450 g (15.9 oz)	20 g/1 m (0.71 ca/3.3 ft

CAUTION

After connecting the piping, check the jo age with gas leak detector.

ELECTRICAL WIRING

⚠ WARNING

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

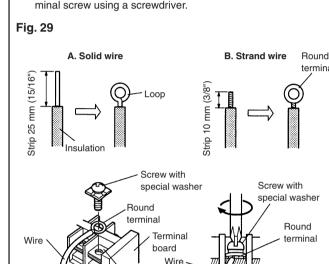
(2) Match the terminal block numbers and connection cord

- 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

- (1) Cut the wire end with a wire cutter or wire-cutting pliers, then strip
- terminal screw.

- (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.
- (3) Using a round terminal fastener or pliers, securely clamp a round terminal to each stripped wire end.
- (4) Position the round terminal wire, and replace and tighten the ter-

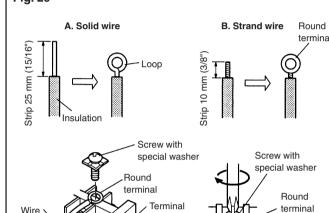


A. For solid core wiring (or F-cable)

- the insulation to about 25 mm (15/16") to expose the solid wire. (2) Using a screwdriver, remove the terminal screw(s) on the terminal
- (3) Using pliers, bend the solid wire to form a loop suitable for the
- (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

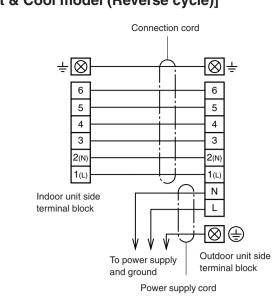
- 2) Using a screwdriver, remove the terminal screw(s) on the terminal



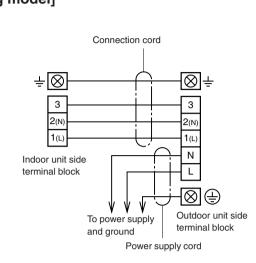
1. CONNECTION DIAGRAM

Fig. 30

[Heat & Cool model (Reverse cycle)]



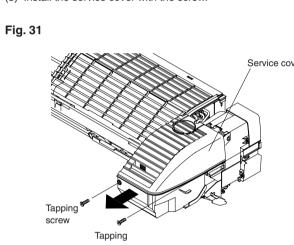
[Cooling model]



2. INDOOR UNIT SIDE

(1) Remove the service cover (Fig. 31).

(3) Connect the end of the connection cord fully into the terminal block. (4) Fasten the connection cord with a cord clamp. (5) Install the service cover with the screw.



Mount to position high on the wall: Use the table below to set the wall mounting position. Indoor unit / circuit board Mounting height Jumper wire (JM1) 1.5 m - 2.0 m Connect (primary setting)

[Heat & Cool model (Reverse cycle)]

Disconnect

2.0 m - 2.5 m

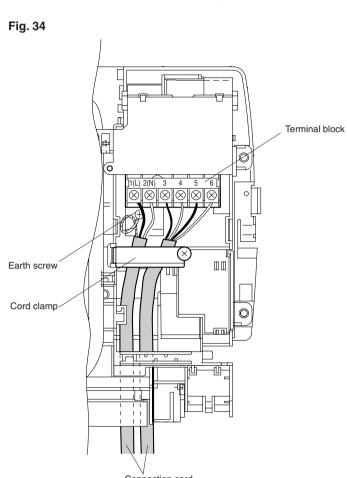
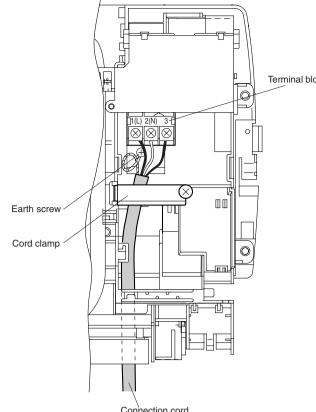
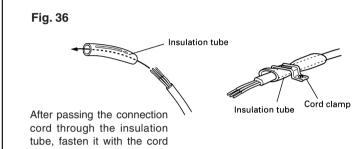


Fig. 35

[Cooling model]

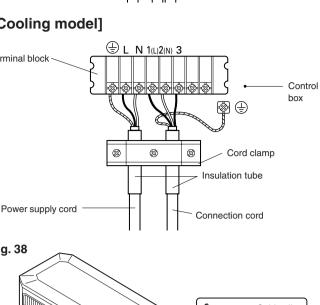


- (3) Fasten the sheath with a cord clamp. (Fig. 36)



- and fasten with the screws.
- (4) Fasten the power supply cord and connection cord with a cable clip.

(5) Install the valve cover. (Fig. 39)

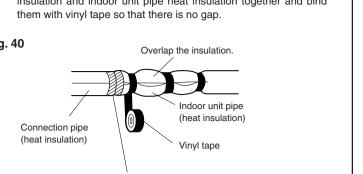


Installing the valve cover: Reinstall the removed screws

FINISHING

1. CONNECTION PIPE, CORD AND DRAIN HOSE

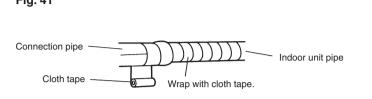
- For ① Rear, ② Right, and ③ Bottom piping, overlap the connection pipe heat insulation and indoor unit pipe heat insulation and bind
- them with vinyl tape so that there is no gap. • For 4 Left rear and 5 Left piping, butt the connection pipe heat
- insulation and indoor unit pipe heat insulation together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



• For ④ Left rear and ⑤ Left piping, wrap the area which accommodates the rear piping housing section with cloth tape.

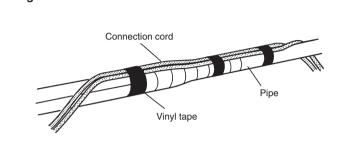
Bind the pipes together so

that there is no gap.



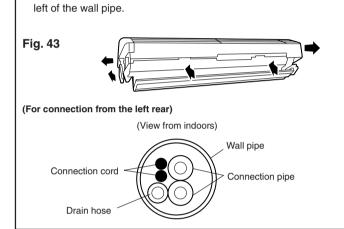
• For ④ Left rear and ⑤ Left piping, bind the connection cord to the top of the pipe with vinyl tape.

Fig. 42



Check that:

 The top and bottom hooks are hooked firmly and the indoor unit does not move to the front and rear or left and right. The indoor unit is accurately positioned horizontally and vertically. When connected from the left rear, the drain hose is at the bottom



(2) Temporarily fasten the connection cord along the connection pipe with 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. (4) Fill the gap between the outside wall pipe hole and the pipe with sealer so that rain water and wind cannot blow in.

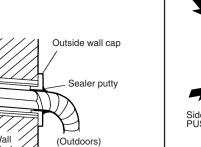
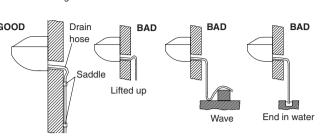


Fig. 47

Fig. 45 Check the following:

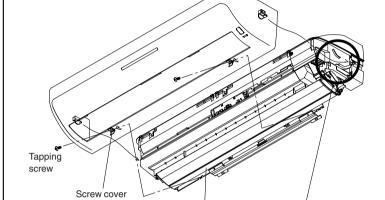
Fig. 44



2. INSTALLING FRONT COVER

- Carefully attach the front cover to the diffuser on the front of the body of the indoor unit.
- Secure the lower section of the front cover with tapping screws in two locations and close the screw cover.
- Push in the following hooks from the outside: front hook, 3 locations; side hook, 2 locations; under hook, 1 location.
- The last step is to push in the hook above the blower outlet.





POWER

(1) The rated voltage of this product is 220-240 V A.C.

room air conditioner. (Install in accordance with stand-

ing. Always use a circuit that can trip all the poles of the wiring and has an isolation distance of at least 3

that the room air conditioner can be operated safely and positively.

related laws and regulations and electric company standards.

(1) The power source capacity must be the sum of the room air conditioner current and the current of other electrical appliances. When the current contracted capacity

(2) When the voltage is low and the air conditioner is difficult to start, contact the power company the voltage

TEST RUNNING

- Perform test operation and check items 1 and 2 below
- The outdoor unit may not run, depending on the room temperature. In this case, press the test run button at the back of the remote control unit while the room air conditioner is running.
- Fig. 48

TIME ADJUST butto Operation can be checked by lighting and flashing of the display section

Test running

test run button, the OPERATION and TIMER lamps flash slowly at the same time.

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

ble 6) according to the error contents.

	Error display			
Error contents	OPERATION (RED)	TIMER (YELLOW)	SWING (ORANGE)	
Indoor unit circuit board error	0	0	_	
Indoor unit room temperature sensor wire opened	2 times	0	_	
Indoor unit room temperature sensor wire short circuited	2 times	0	0	
Indoor unit piping sensor wire opened	3 times	0	_	
Indoor unit piping sensor short circuited	3 times	0		
Indoor unit fan error	6 times	0	_	

CHECK ITEMS

(1) INDOOR UNIT

- (3) Do not air flow direction louvers operate normally? (4) Is the drain normal? (5) Is there any abnormal noise and vibration during operation?
- (2) OUTDOOR UNIT
- 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 operation check.

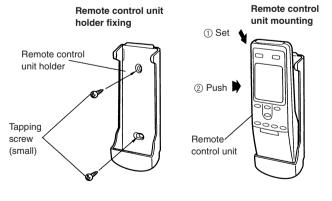
REMOTE CONTROL UNIT **INSTALLATION**

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

(2) Select the remote control unit holder selection site by paying careful attention to the following: Avoid places in direct sunlight.

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. 49).

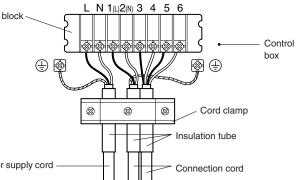


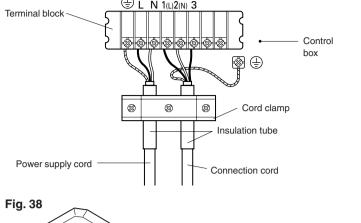
Explain the following to the customer in accordance with the operating

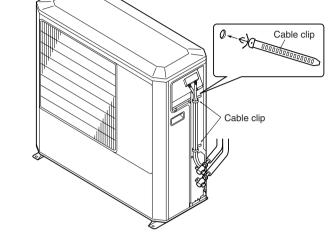
(1) Starting and stopping method, operation switching, temperature ad-

justment, timer, air flow switching, and other remote control unit op-

Insulate between pipes







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

⚠ WARNING

(3) Always use a special branch circuit and install a spe-

(4) Use a circuit breaker matched to the capacity of the

mm between the contacts of each pole.

) Install a leakage circuit breaker in accordance with the

⚠ CAUTION

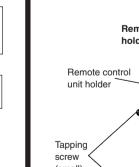
(2) Before turning on the verify that the voltage is within the 198 V to 264 V range.

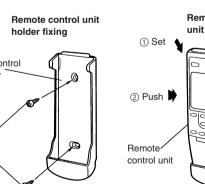
cial breaker to supply power to the room air conditioner.

(5) The circuit breaker is installed in the permanent wir-

For the operation method, refer to the operating manual.

(With the transmit section of the remote control unit facing the body, press the TEST RUN button with the tip of a ball point pen.)



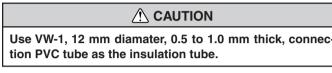


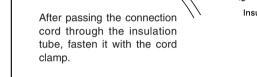
CUSTOMER GUIDANCE

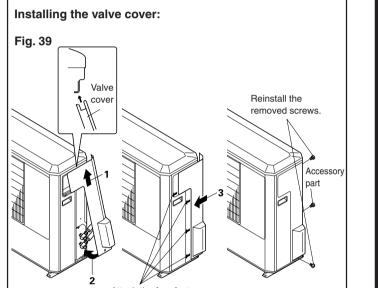
(2) Air filter removal and cleaning, and how to use the air louvers. (3) Give the operating manual and installation instruction sheet to the customer.

Fig. 37 [Heat & Cool model (Reverse cycle)] Terminal block [Cooling model]

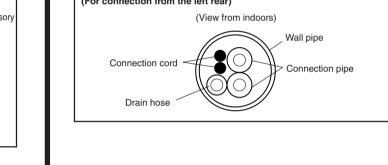
3. OUTDOOR UNIT SIDE

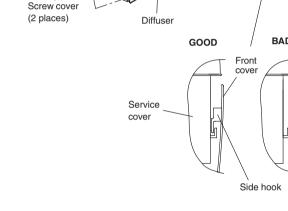


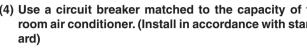


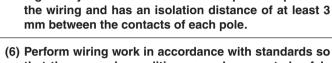


Attach the four fasteners









is insufficient, change the contracted capacity.



control unit holder.

a stove, etc.

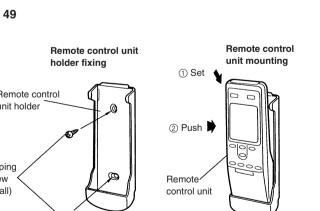
OPERATION and TIMER lamps. Perform judgement in accordance with the following. When the air conditioner is run by pressing the remote control unit

: Fast flashing : Slow flashing

(1) Is there any abnormal noise and vibration during operation? (2) Will noise, wind, or drain water from the unit disturb the neighbors? (3) Is there any gas leakage?

⚠ CAUTION

Select a place that will not be affected by the heat from



Terminal block

Use VW-1, 12 mm diamater, 0.5 to 1.0 mm thick, connec-

- (1) Process the end of the connection cords to the dimensions shown in (2) Connect the end of the connection cord fully into the terminal block

