

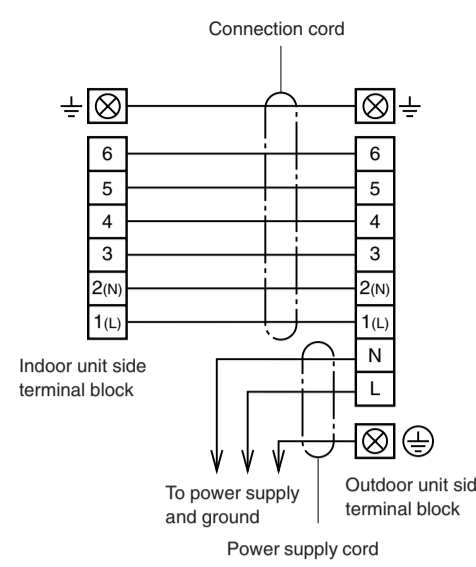


ELECTRICAL WIRING

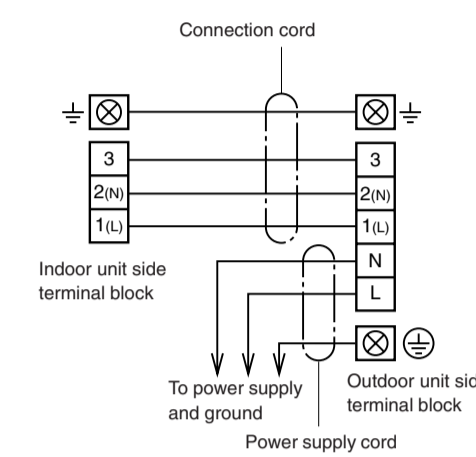
1. CONNECTION DIAGRAM

Fig. 30

[Heat & Cool model (Reverse cycle)]



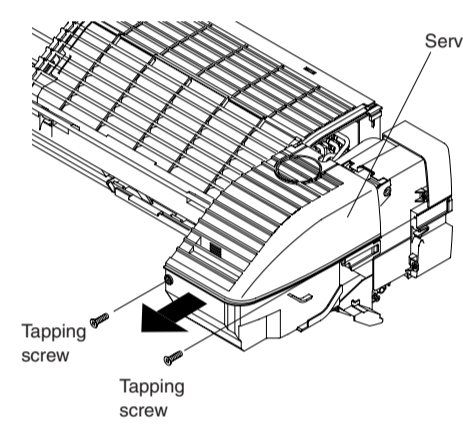
[Cooling model]



2. INDOOR UNIT SIDE

- 1) Remove the service cover (Fig. 31).
2) Remove the cord clamp.
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.

Fig. 31



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.
(3) Connect the connection cords firmly to the terminal block.
(4) Always fasten the outside covering of the connection cord with the cord clamp.
(5) Always connect the ground wire.

HOW TO CONNECT WIRING TO THE TERMINALS

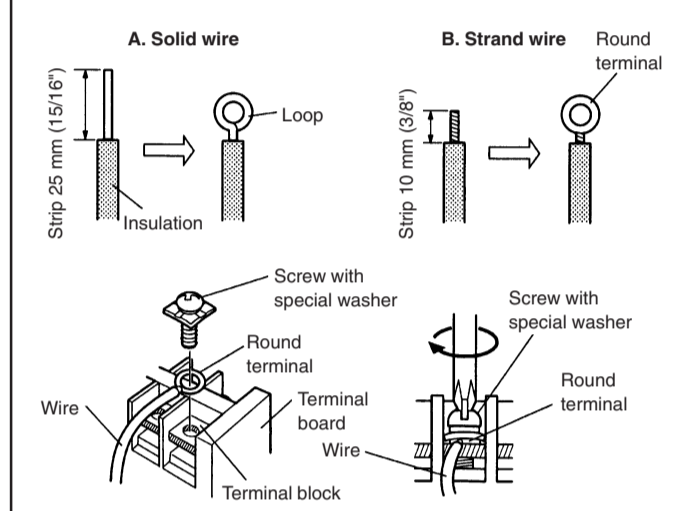
A. For solid core wiring (or F-cable)

- (1) Cut the wire end with a wire cutter or wire-cutting pliers, then strip the insulation to about 25 mm (1 5/16") to expose the solid wire.
(2) Using a screwdriver, remove the terminal screw(s) on the terminal board.
(3) Using pliers, bend the solid wire to form a loop suitable for the terminal screw.
(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 board.
(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 terminal screw using a screwdriver.

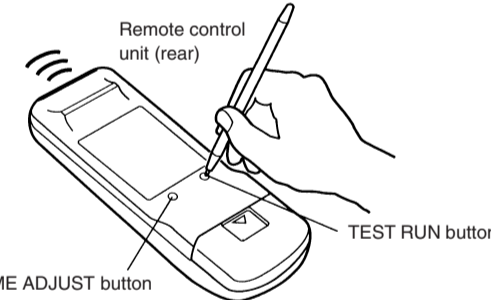
Fig. 29



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, press the test run button at the back of the remote control unit while the room air conditioner is running.

Fig. 48



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

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 6) according to the error contents.

Table 6

Table with 4 columns: Error contents, OPERATION (RED), TIMER (YELLOW), SWING (ORANGE). Lists various error types and their corresponding lamp flashing patterns.

CHECK ITEMS

(1) INDOOR UNIT

- (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?

(2) OUTDOOR UNIT

- (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?

- Do not operate the air conditioner in the test running state for a long time.
For the operation method, refer to the operating manual and perform operation check.

REMOTE CONTROL UNIT INSTALLATION

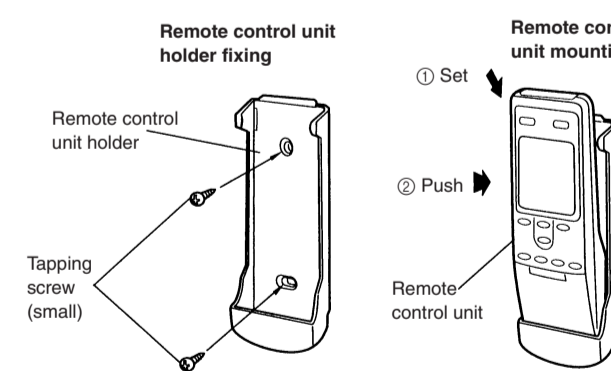
CAUTION

- (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 a stove, etc.

1. REMOTE CONTROL UNIT HOLDER INSTALLATION

- Install the remote control unit with a distance of 7 m between the remote control unit and the photocell as the criteria.
Install the remote control unit holder to a wall, pillar, etc. with the tapping screw (Fig. 49).

Fig. 49



10 CUSTOMER GUIDANCE

Explain the following to the customer in accordance with the operating manual:

- (1) Starting and stopping method, operation switching, temperature adjustment, timer, air flow switching, and other remote control unit operations.
(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.

Mount to position high on the wall:

Use the table below to set the wall mounting position.

Fig. 32

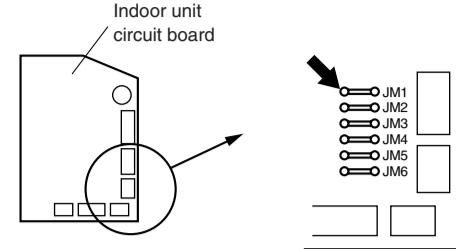


Fig. 33

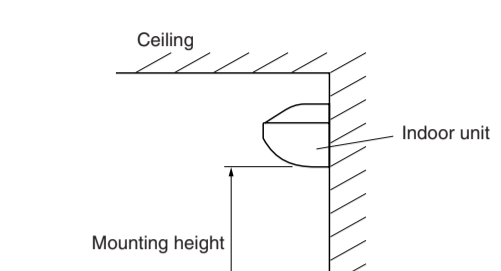
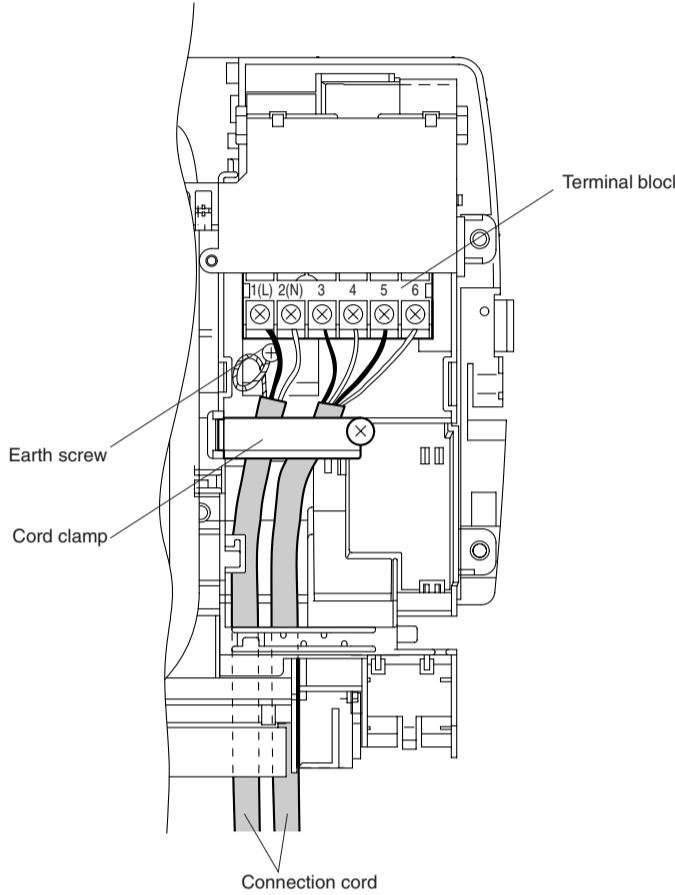


Table with 2 columns: Mounting height, Jumper wire (JM1). Shows settings for 1.5 m - 2.0 m and 2.0 m - 2.5 m.

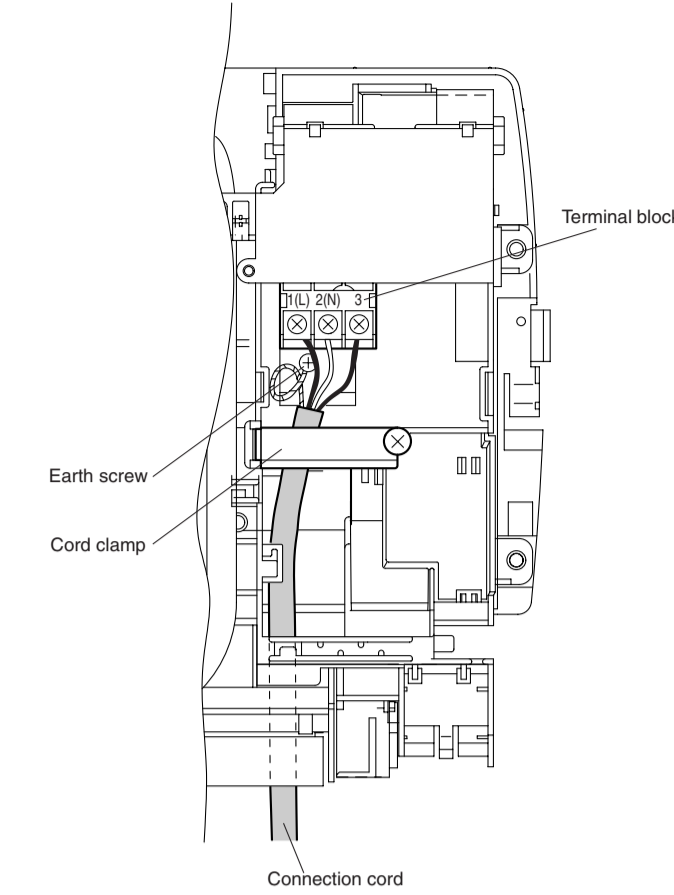
[Heat & Cool model (Reverse cycle)]

Fig. 34



[Cooling model]

Fig. 35



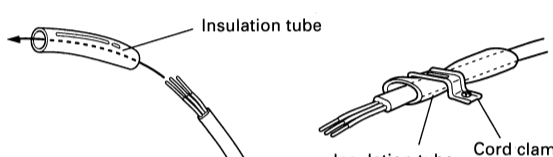
3. OUTDOOR UNIT SIDE

CAUTION

Use VW-1, 12 mm diameter, 0.5 to 1.0 mm thick, connection PVC tube as the insulation tube.

- (1) Process the end of the connection cords to the dimensions shown in Fig. 37.
(2) Connect the end of the connection cord fully into the terminal block and fasten with the screws.
(3) Fasten the sheath with a cord clamp.
(4) Fasten the power supply cord and connection cord with a cable clip.
(5) Install the valve cover.
(6) Install the valve cover.

Fig. 36



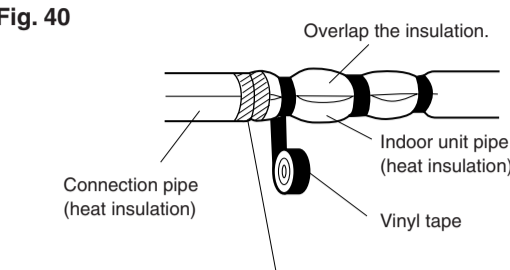
After passing the connection cord through the insulation tube, fasten it with the cord clamp.

FINISHING

1. CONNECTION PIPE, CORD AND DRAIN HOSE

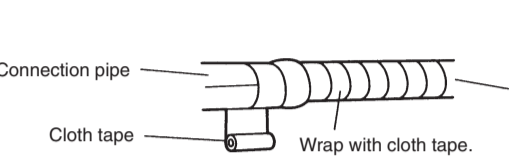
- (1) Insulate between pipes.
For Rear, Right, and Bottom piping, overlap the connection pipe heat insulation and indoor unit pipe heat insulation and bind them with vinyl tape so that there is no gap.
For Left rear and Left piping, but the connection pipe heat insulation and indoor unit pipe heat insulation together and bind them with vinyl tape so that there is no gap.

Fig. 40



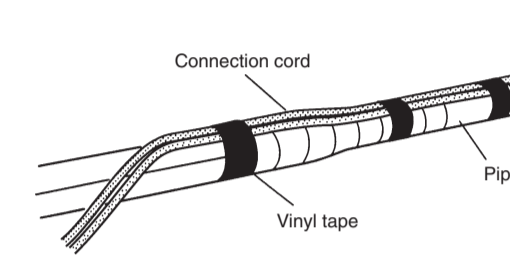
- For Left rear and Left piping, wrap the area which accommodates the rear piping housing section with cloth tape.

Fig. 41



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

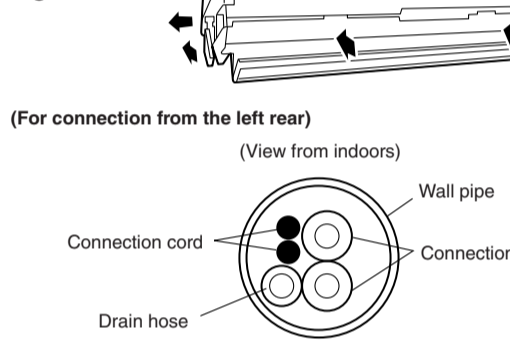
Fig. 42



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 left of the wall pipe.

Fig. 43



POWER

WARNING

- (1) The rated voltage of this product is 220-240 V A.C. 50 Hz.
(2) Before turning on the verify that the voltage is within the 198 V to 264 V range.
(3) Always use a special branch circuit and install a special breaker to supply power to the room air conditioner.
(4) Use a circuit breaker matched to the capacity of the room air conditioner.
(5) The circuit breaker is installed in the permanent wiring.
(6) Perform wiring work in accordance with standards so that the room air conditioner can be operated safely and positively.
(7) Install a leakage circuit breaker in accordance with the related laws and regulations and electric company standards.

CAUTION

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

Fig. 47

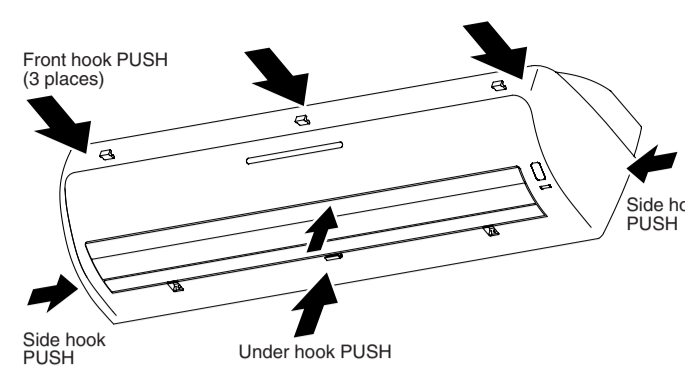


Fig. 44

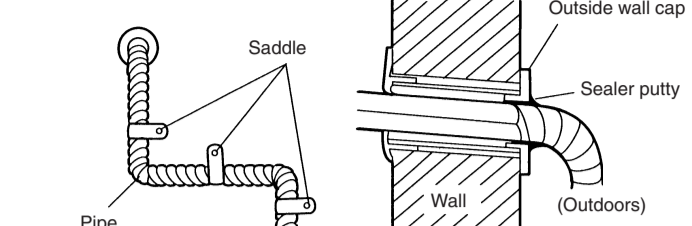
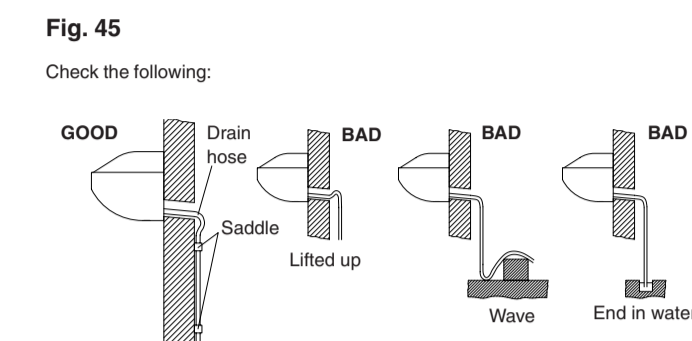


Fig. 45



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.

Fig. 46

