SANYO INSTALLATION INSTRUCTIONS

– Split System Air Conditioner –

COOL/DRY Model

ATTENTION

Use this manual when installing combined models of indoor unit KS2432A and outdoor unit C2432 or CL2432 only.
On items not included in this manual, see the Installation Instructions (No. 85464179694003) packed in the outdoor unit model C2432 or CL2432.

Model Combinations

Combine indoor and outdoor units only as listed below.

Indoor Unit	Outdoor Units
KS2432A	C2432
	CL2432

Power supply: 60Hz, single-phase, 208/230V

Units should be installed by a licensed contractor according to local code requirements.

Contents

85264189704003

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Ⓦ

IMPORTANT!
Please Read Before Starting

This air conditioning system meets strict safety and operating standards. As the installer or service person, it is an important part of your job to install or service the system so it operates safely and efficiently.

For safe installation and trouble-free operation, you must:

- Carefully read this instruction booklet before beginning.
- Follow each installation or repair step exactly as shown.
- Observe all local, state, and national electrical codes.
- Pay close attention to all warning and caution notices given in this manual.

WARNING This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

CAUTION This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

If Necessary, Get Help

These instructions are all you need for most installation sites and maintenance conditions. If you require help for a special problem, contact our sales/service outlet or your certified dealer for additional instructions.

In Case of Improper Installation

The manufacturer shall in no way be responsible for improper installation or maintenance service, including failure to follow the instructions in this document.

SPECIAL PRECAUTIONS

WARNING When Wiring

ELECTRICAL SHOCK CAN CAUSE SEVERE PERSONAL INJURY OR DEATH. ONLY A QUALIFIED, EXPERIENCED ELECTRICIAN SHOULD ATTEMPT TO WIRE THIS SYSTEM.

- Do not supply power to the unit until all wiring and tubing are completed or reconnected and checked.
- Highly dangerous electrical voltages are used in this system. Carefully refer to the wiring diagram and these instructions when wiring. Improper connections and inadequate grounding can cause **accidental injury or death**.
- **Ground the unit** following local electrical codes.
- Connect all wiring tightly. Loose wiring may cause overheating at connection points and a possible fire hazard.

When Transporting

Be careful when picking up and moving the indoor and outdoor units. Get a partner to help, and bend your knees when lifting to reduce strain on your back. Sharp edges or thin aluminum fins on the air conditioner can cut your fingers.

When Installing…

…In a Ceiling, Wall or Floor

Make sure the ceiling/wall/floor is strong enough to hold the unit's weight. It may be necessary to construct a strong wood or metal frame to provide added support.

…In a Room

Properly insulate any tubing run inside a room to prevent "sweating" that can cause dripping and water damage to walls and floors.

…In Moist or Uneven Locations

Use a raised concrete pad or concrete blocks to provide a solid, level foundation for the outdoor unit. This prevents water damage and abnormal vibration.

…In an Area with High Winds

Securely anchor the outdoor unit down with bolts and a metal frame. Provide a suitable air baffle.

…In a Snowy Area (for Heat Pump-type Systems)

Install the outdoor unit on a raised platform that is higher than drifting snow. Provide snow vents.

When Connecting Refrigerant Tubing

- Use the flare method for connecting tubing.
- Apply refrigerant lubricant to the matching surfaces of the flare and union tubes before connecting them, then tighten the nut with a torque wrench for a leak-free connection.
- Check carefully for leaks before starting the test run.

When Servicing

- Turn the power OFF at the main power box (mains) before opening the unit to check or repair electrical parts and wiring.
- Keep your fingers and clothing away from any moving parts.
- Clean up the site after you finish, remembering to check that no metal scraps or bits of wiring have been left inside the unit being serviced.

Others

CAUTION

- Ventilate any enclosed areas when installing or testing the refrigeration system. Escaped refrigerant gas, on contact with fire or heat, can produce dangerously toxic gas.
- Confirm upon completing installation that no refrigerant gas is leaking. If escaped gas comes in contact with a stove, gas water heater, electric room heater or other heat source, it can produce dangerously toxic gas.

1. General

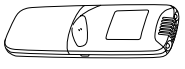
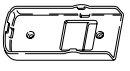
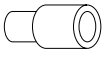
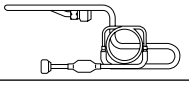
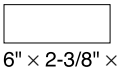
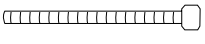
This booklet briefly outlines where and how to install the air conditioning system. Please read over the entire set of instructions for the indoor and outdoor units and make sure all accessory parts listed are with the system before beginning.

1-1. Tools Required for Installation (not supplied)

1. Standard screwdriver
2. Phillips head screwdriver
3. Knife or wire stripper
4. Tape measure
5. Carpenter's level
6. Sabre saw or key hole saw
7. Hacksaw
8. Core bits
9. Hammer
10. Drill
11. Tube cutter
12. Tube flaring tool
13. Torque wrench
14. Adjustable wrench
15. Reamer (for deburring)
16. Pipe bending tool (spring bender)

1-2. Accessories Supplied with Indoor Unit

Table 1

Parts	Figure	Q'ty	Parts	Figure	Q'ty	Parts	Figure	Q'ty
Rawl plug		12	AAA alkaline battery		2	Tapping screw	Truss-head Phillips 5/32 × 5/8" (4 × 16 mm) 	12
Remote control unit		1	Remote control holder		1	Insulation		1
Joint drain		1	Tube Assy		1	Packing A	 25/32" × 1-3/8" × 3/16"	1
Packing B	 1-3/16" × 2-3/8" × 3/16"	1	Clamp		2			

1-3. Optional Copper Tubing Kit

Copper tubing for connecting the outdoor unit to the indoor unit is available in kits which contain the narrow and wide tubing, fittings and insulation. Consult your nearest sales outlet or A/C workshop.

NOTE

For rear-left tubing, optional tube connection (C) **(APR-EN46U1B)** is necessary. See page 13.
Also consult your nearest sales outlet or A/C workshop.

1-4. Type of Copper Tube and Insulation Material

If you wish to purchase these materials separately from a local source, you will need:

1. Deoxidized annealed copper tube for refrigerant tubing as detailed in Table 2.

   When cutting tubing, add approximately 1' to 1'4" to each tube length to reduce vibration between the air conditioning units.

Table 2

Model	Outer Diameter	
	Narrow Tube	Wide Tube
KS2432A	3/8"	3/4"

2. Foamed polyethylene insulation for the specified copper tubes as required to precise length of tubing. Wall thickness of the insulation should be not less than 5/16".

1-5. Field Wiring

Use insulated copper wire for field wiring. Wire size varies with the total length of wiring. Refer to 3-6. Wiring Instructions for details.

CAUTION

Check local electrical codes and regulations before obtaining wire. Also, check any specified instructions or limitations.

1-6. Additional Materials Required for Installation

1. Refrigeration (armored) tape
2. Insulated staples or clamps for connecting wire (See local codes)
3. Putty
4. Refrigeration lubricant
5. Clamps or saddles to secure refrigerant tubing

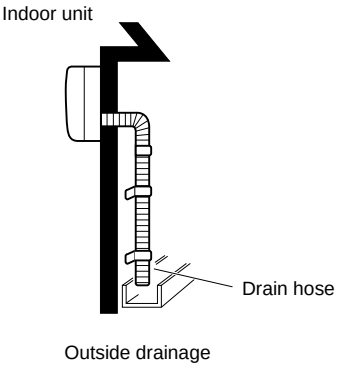


Fig. 1

2. Installation Site Selection

2-1. Indoor Unit

WARNING

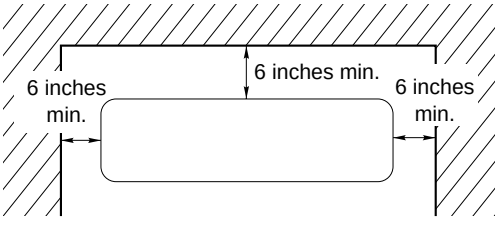
To prevent abnormal heat generation and the possibility of fire, do not place obstacles, enclosures and grilles in front of or surrounding the air conditioner in a way that may block air flow.

AVOID:

- direct sunlight.
- nearby heat sources that may affect performance of the unit.
- areas where leakage of flammable gas may be expected.
- places where large amount of oil mist exist.

DO:

- select an appropriate position from which every corner of the room can be uniformly cooled. (High on a wall is best.)
- select a location that will hold the weight of the unit.
- select a location where tubing and drain hose have the shortest run to the outside. (Fig. 1)
- allow room for operation and maintenance as well as unrestricted air flow around the unit. (Fig. 2)
- install the unit within the maximum elevation difference (H) above or below the outdoor unit and within a total tubing length (L) from the outdoor unit as detailed in Table 3 and Fig. 3a.



Front View

Fig. 2

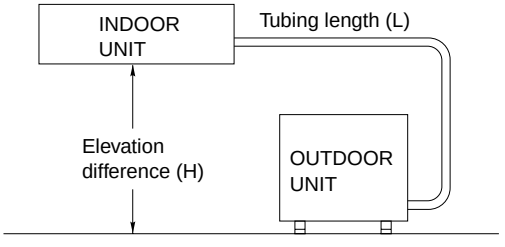


Fig. 3a

CAUTION

For stable operation of the air conditioner, do not install wall-mounted type indoor units less than 5 ft. from floor level.

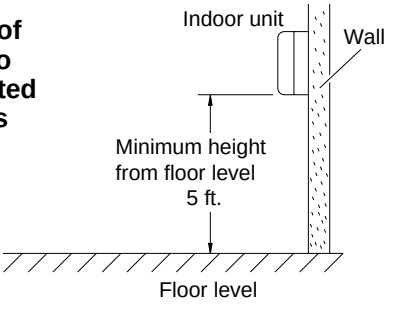


Fig. 3b

Table 3

Model	Max. Allowable Tubing Length at Shipment (ft.)	Limit of Tubing Length (L) (ft.)	Limit of Elevation Difference (H) (ft.)	Required Amount of Additional Refrigerant (oz./ft.)*
C2432, CL2432	25	132	50	0.27

* If total tubing length becomes 25 to 132 ft. (max.), additional refrigerant (R22) charge of 0.27 oz./ft. is required. No additional charge of compressor oil is necessary.

2-2. Outdoor Unit

AVOID:

- heat sources, exhaust fans, etc. (Fig. 4a)
- damp, humid or uneven locations.

DO:

- choose a place as cool as possible.
- choose a place that is well ventilated.
- allow enough room around the unit for air intake/ exhaust and possible maintenance. (Fig. 4b)
- provide a solid base a minimum of 6 inches above ground level to reduce humidity and protect the unit against possible water damage and decreased service life. (Fig. 5)
- use lug bolts or equal to bolt down unit, to reduce vibration and noise.

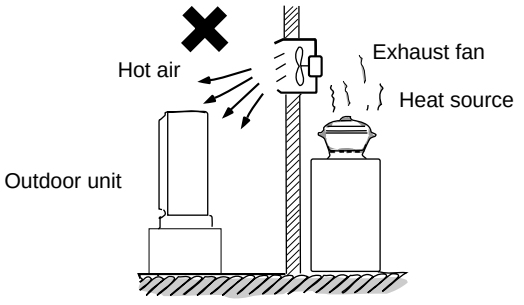


Fig. 4a

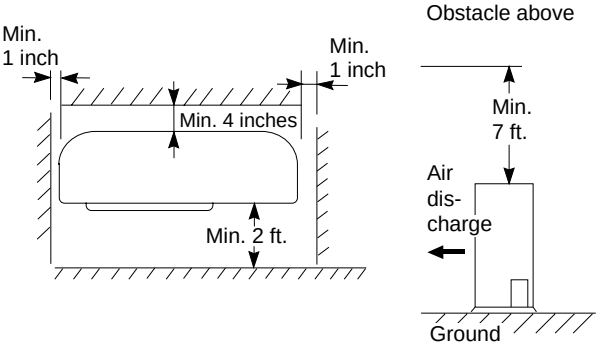


Fig. 4b

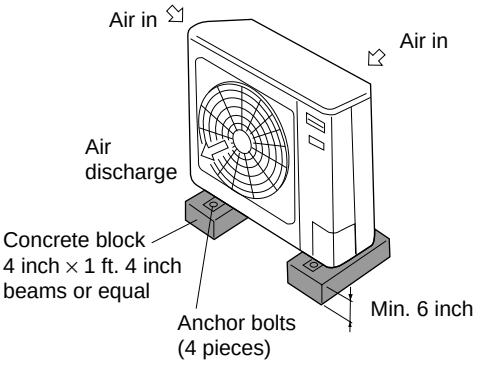


Fig. 5

3. How to Install the Indoor Unit

3-1. Remove the Rear Panel from the Unit

Remove and discard the set screws and take off the rear panel. (Fig. 6)

NOTE

Tubing can be extended in 3 directions as shown in Fig. 7a. Select the direction you need providing the shortest run to the outside unit.

3-2. Make a Hole

(1) Remove the rear panel from the indoor unit and place it on the wall at the location selected. Make sure the unit is horizontal, using a carpenter's level or tape measure to measure down from the ceiling.

(2) Determine which side of the unit you should make the hole. (Fig. 7b)

(3) Before making a hole, check carefully that no studs or pipes are directly run behind the spot to be cut.

CAUTION **Also avoid areas where electrical wiring or conduits are located.**

The above precautions are also applicable if tubing goes through the wall in any other location.

(4) Using a sabre saw, key hole saw or hole-cutting drill attachment, cut a hole in the wall. See Table 4 and Fig. 8.

Table 4

Hole Dia. (inch)
3-3/16"

(5) Measure the thickness of the wall from the inside edge to the outside edge and cut PVC pipe at a slight angle 1/4" shorter than the thickness of the wall. (Fig. 9)

(6) Place the plastic cover over the end of the pipe (for indoor side only) and insert in the wall. (Fig. 10)

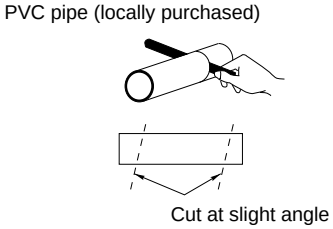
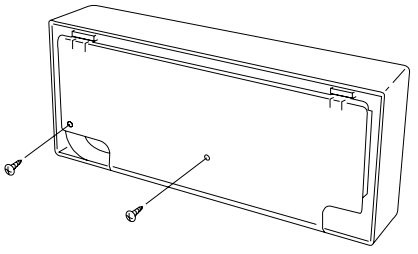


Fig. 9



Set screws for transportation only

Fig. 6

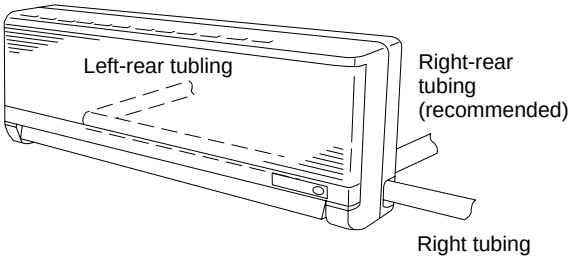


Fig. 7a

In case of left-rear or right-rear tubing

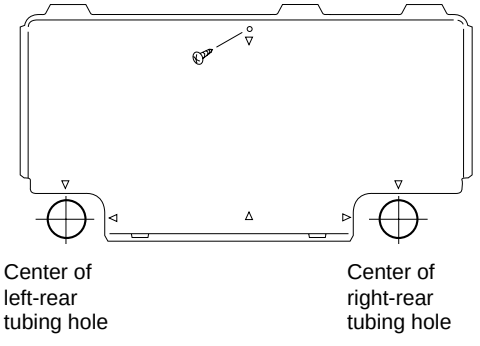


Fig. 7b

NOTE

Hole should be made at a slight downward slant to the outdoor side.

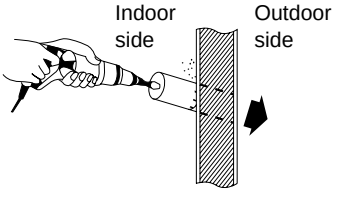


Fig. 8

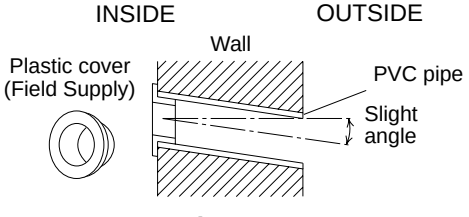


Fig. 10

3-3. Install the Rear Panel on the Wall

Be sure to confirm that the wall is strong enough to suspend the unit.

See either Item a) or b) below depending on the wall type.

a) If Wooden Wall

(1) Attach the rear panel to the wall with the 10 screws provided. (Fig. 11)
If you are not able to line up the holes in the rear panel with the beam locations marked on the wall, use toggle bolts to go through the holes on the panel or drill 3/16 inch dia. holes in the panel over the stud locations and then mount the rear panel.

(2) Double check with a ruler or carpenter's level that the panel is level. This is important to install the unit properly. (Fig. 12)

(3) Make sure the panel is flush against the wall. Any space between the wall and unit will cause noise and vibration.

b) If Block, Brick, Concrete or Similar Type Wall

Make 3/16 inch dia. holes in the wall. Insert rawl plugs for appropriate mounting screws. (Fig. 13)

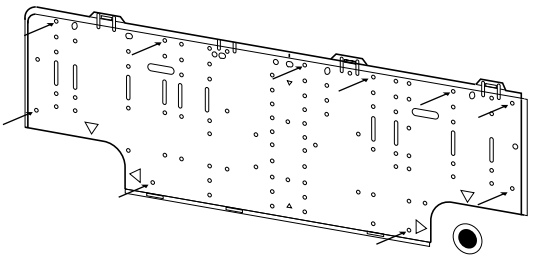


Fig. 11

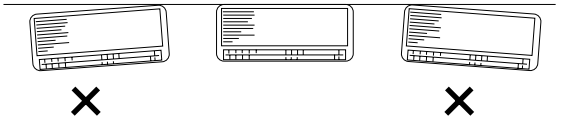


Fig. 12

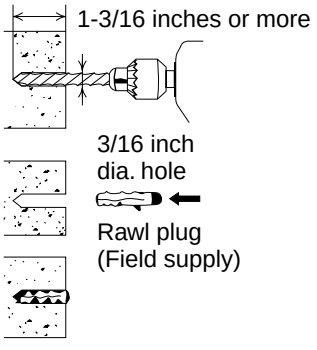


Fig. 13

3-4. Remove the Grille to Install the Indoor Unit

Basically, these models can be installed and wired without removing the grille. **If access to any internal part is needed, follow the steps as given below**:

How to remove the grille

(1) Set the 2 flaps in the horizontal position.

(2) Unscrew the 3 screws. (Fig. 14a)

(3) Remove the grille.

(a) Hold both corners of the air intake grille, then pull out and up to open. (Fig. 14b)

(b) Use a standard screwdriver to push up the 3 tabs to remove the grille. (Fig. 14b)

(c) Pull the lower part of the grille toward you to remove. (Fig. 14a)

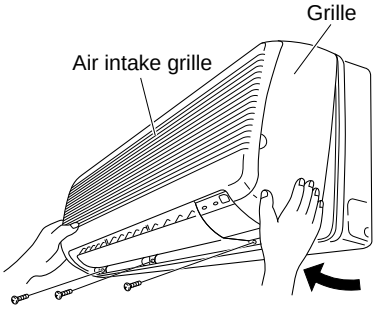


Fig. 14a

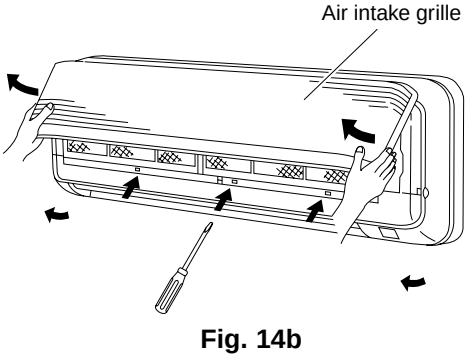


Fig. 14b

How to replace the grille

(1) Close the flaps.

(2) Reinstall the grille into the lower part while aligning its tabs on the upper part. (Fig. 15a) Insert the tabs in the slots and push the lower part of the grille back into position.

(3) Press at each of the 5 tabs to completely close the grille. Make sure that the grille and frame are firmly fitted together. (Fig. 15b)

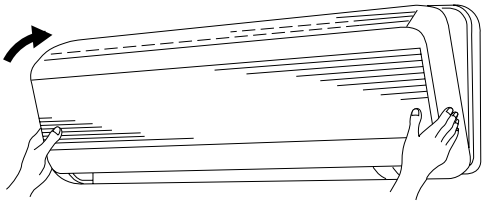


Fig. 15a

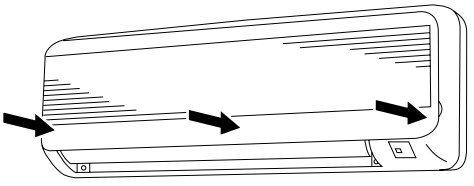


Fig. 15b

3-5. Shape the Indoor Side Tubing

1) Arrangement of tubing by directions

   a) Right tubing

      The corner of right frame needs to be cut by a hacksaw or the like. (Fig. 16)

   b) Right-rear or left-rear tubing

      In this case, the corner of the frame need not be cut.

2) To mount the indoor unit on the rear panel:

   Hang the 3 mounting slots of the unit on the upper tabs of the rear panel. (Fig. 17)

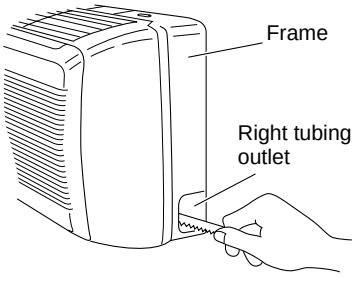


Fig. 16

3-6. Wiring Instructions

General precautions on wiring

1) Before wiring, confirm the rated voltage of the unit as shown on its nameplate, then carry out the wiring closely following the wiring diagram.

2) Provide a power outlet to be used exclusively for each unit, with a power supply disconnect and circuit breaker for overcurrent protection provided in the exclusive line.

3) To prevent possible hazard due to insulation failure, the unit must be grounded.

4) Each wiring connection must be done tightly and in accordance with the wiring system diagram. Wrong wiring may cause the unit to misoperate or become damaged.

5) Do not allow wiring to touch the refrigerant tubing, compressor, or any moving parts of the fan.

6) Unauthorized changes in the internal wiring can be very dangerous. The manufacturer will accept no responsibility for any damage or misoperation that occurs as a result of such unauthorized changes.

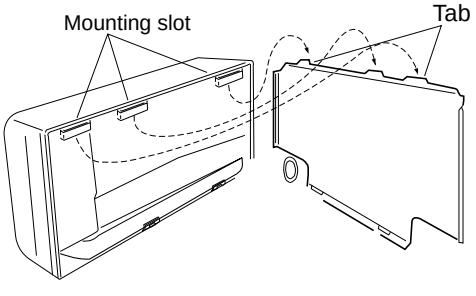


Fig. 17

3-7. Recommended Wire Length and Diameter

Regulations on wiring diameter differ from locality to locality. For field wiring requirements, please refer to your local electrical codes. Carefully observe these regulations when carrying out the installation.
Table 5 lists recommended wire lengths and diameters for power supply systems.
Refer to the wiring system diagram (Fig. 18) for the meaning of “A” and “B” in Table 5.

Table 5

AWG / Model	(A) Power Supply Wiring Length (ft.)	(B) Inter-Unit Power Line	Fuse or Circuit Capacity
	(#12)	(#14)	
C2432, CL2432	69 (Max.)	164 (Max.)	25A

… AWG (American Wire Gauge)

WARNING

- **Be sure to comply with local codes on running the wire from the indoor unit to the outdoor unit (size of wire and wiring method, etc.).**
- **Each wire must be firmly connected.**
- **No wire should be allowed to touch refrigerant tubing, the compressor, or any moving part.**

WARNING

To avoid the risk of electric shock, each air conditioner unit must be grounded.

CAUTION

Be sure to connect the power supply line to the outdoor unit as shown in the wiring diagram. The indoor unit draws its power from the outdoor unit.

WIRING SYSTEM DIAGRAM

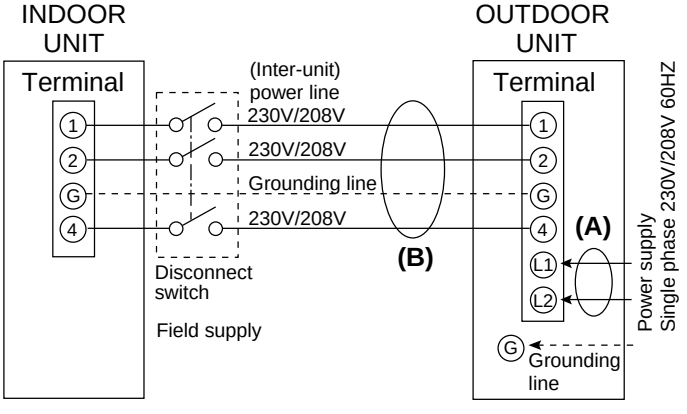


Fig. 18

3-8. Wiring Instructions for Inter-unit Connections

(1) Insert the inter-unit wiring (according to local codes) into the through-the-wall PVC pipe. Run the wiring toward the indoor side allowing approx. 10 inch to extend from the wall face. (Fig. 19)

(2) Route the inter-unit wiring from the back of the indoor unit and pull it toward the front for connection. (Fig. 20a, 20b)

(3) Connect the inter-unit wiring to the corresponding terminals on the terminal plate (Fig. 20a, 20b) while referring to the wiring diagram.

(4) Be sure to secure the wiring with the provided clamp.

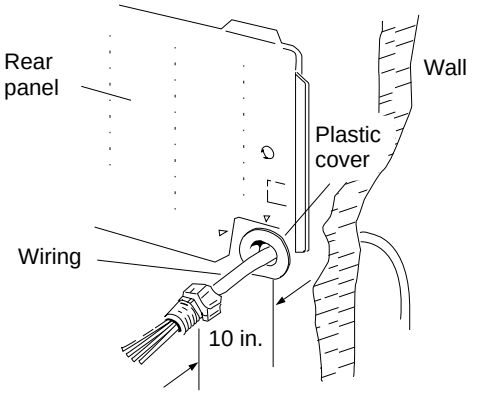


Fig. 19

How to remove the cover plate

To access the terminal plate inside the indoor unit, follow these steps.

(1) Using a Phillips screwdriver, take out the screw on the cover plate. (Fig. 20a, 20b)

(2) Remove the cover plate.

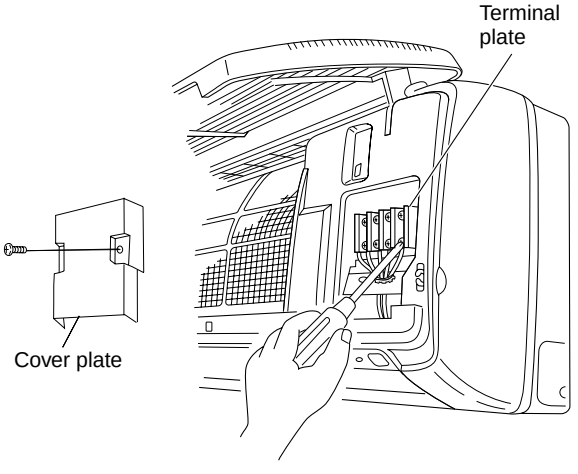


Fig. 20a

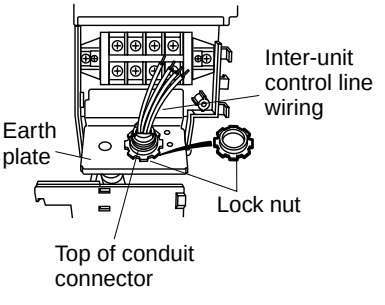


Fig. 20b

WARNING **Loose wiring may cause the terminal to overheat or result in unit malfunction. A fire hazard may also exist. Therefore, be sure all wiring is tightly connected.**

When connecting each power wire to the corresponding terminal, follow the instructions “How to connect wiring to the terminal” and fasten the wire securely tight with the fixing screw of the terminal plate.

How to connect wiring to the terminal

■ **For solid core wiring (or F-cable)**

(1) Cut the wire end with a cutting pliers, then strip the insulation to expose the solid wire about 1 inch. (Fig. 21a)

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

(3) Using the 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 plate and fix it securely with the removed terminal screw using a screwdriver.

■ **For stranded wiring**

(1) Cut the wire end with a cutting pliers, then strip the insulation to expose the stranded wiring about 3/8 inch and tightly twist the wire ends. (Figs. 21b and 21c)

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

(3) Using a ring connector fastener or pliers, securely clamp each stripped wire end with a ring connector. (Fig. 21b)

(4) Place the ring connector wire, and replace and tighten the removed terminal screw using a screwdriver. (Fig. 22)

NOTE

Being careful not to cut the wire, strip off the plastic insulation using a wire cutter or pliers. (Fig. 23)

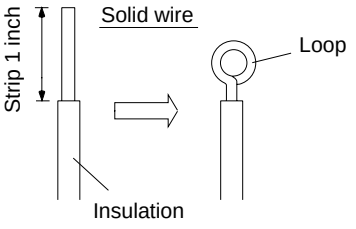


Fig. 21a

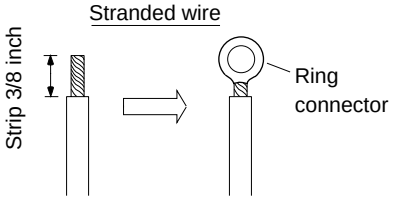


Fig. 21b

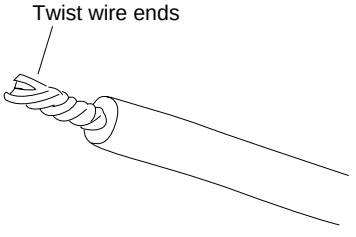


Fig. 21c

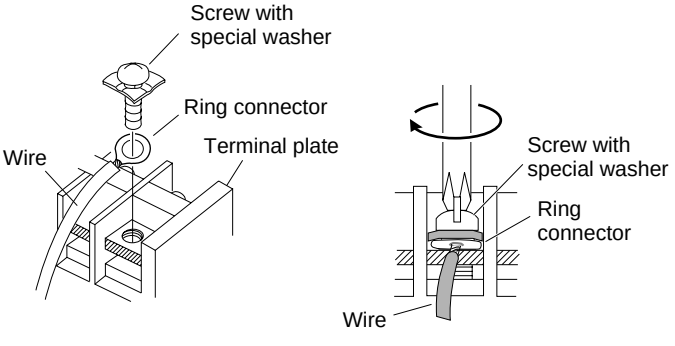


Fig. 22

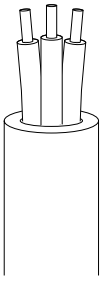


Fig. 23

3-9. Mounting

■ **Right-side tubing**

(1) Shape the refrigerant tubing so that it can easily go into the wall hole. (Fig. 24)

CAUTION

If using a stepladder, be careful to keep your balance and not fall off. To prevent the unit from damage and avoid personal injury, ask for someone's help when feeding the tubing through the hole because the unit is heavy and difficult to hold in place.

(2) Push the wiring, refrigerant tubing, and drain hose through the hole in the wall. Adjust the indoor unit so it is securely seated on the rear panel.

(3) Carefully bend the tubing (if necessary) to run along the wall in the direction of the outdoor unit and then tape as far as the fittings.

CAUTION

The air conditioner's performance will be deteriorated if a tube is crushed. To prevent crushing of the tube, avoid sharp bends. Use a pipe bending tool to bend the tube. (Fig. 25)

(4) Connect the refrigerant tubing to the outdoor unit. (After performing a leak test on the connecting part, insulate it with tubing insulation. (Fig. 26)) Also, refer to Section 4-3. Connecting Tubing between Indoor and Outdoor Units.

(5) Assemble the refrigerant tubing, drain hose, and inter-unit wiring as shown in Fig. 27.

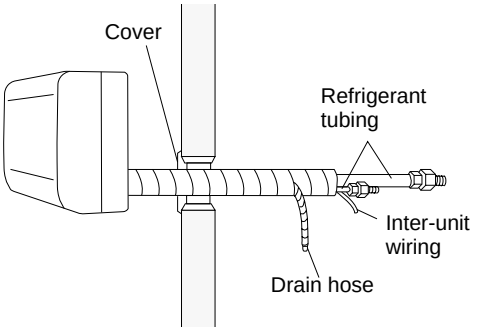


Fig. 24

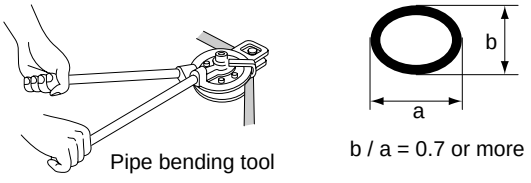


Fig. 25

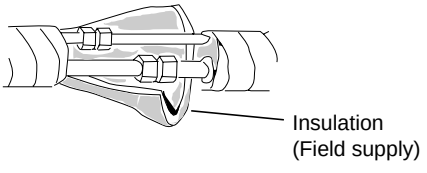


Fig. 26

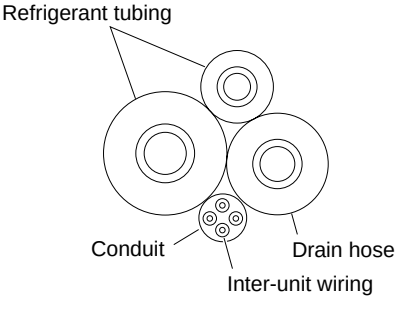


Fig. 27

3-10. Drain Hose

a) The drain hose should be slanted downward to the outdoors. (Fig. 28)

b) Never form a trap in the course of the hose.

c) If the drain hose will run in the room, insulate the hose with insulation* so that chilled condensation will not damage furniture or floors. (Fig. 29)

* Foamed polyethylene or its equivalent is recommended.

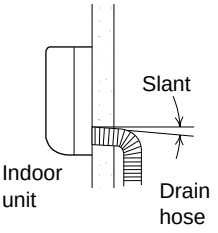


Fig. 28

WARNING **Do not supply power to the unit or operate it until all tubing and wiring to the outside unit are completed.**

Risk of Electric Shock

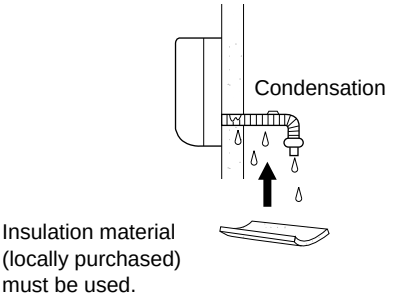


Fig. 29

4. Refrigerant Tubing

4-1. Indoor Unit Tubing

■ **Rear-left tubing**

NOTE

For rear-left tubing, optional tube connection (C) **(APR-EN46U1B)** is necessary. Please consult your nearest sales outlet or A/C workshop.

1. Make a 3-3/16" hole in the wall, centered on the crossing point between the triangle marks (A and B) on the rear panel. (Fig. 30a)
2. Set the rear panel at its original position where it was installed with screws.
3. Cut the wide tube at a point 4-1/8" from the triangle mark.
4. Remove the 1/2" flare nut from the optional tube connection (C), place it on the cut wide tube, and then flare the wide tube. (Fig. 30b)
5. Connect the optional tube connection (C) to the wide tube.
6. Connect the 3/4" tube to the connected optional tube connection.
7. Connect the 3/8" tube to the narrow tube.
8. Cover the narrow and wide tubes with insulation material.

■ **Rear-right tubing**

9. Make a 3-3/16" hole in the wall, centered on the crossing point between the triangle marks (A' and B') on the rear panel. (Fig. 30a)
10. Connect the 3/4" tube to the wide tube.
11. Connect the 3/8" tube to the narrow tube.
12. Cover the narrow and wide tubes with insulation material.

4-2. Outdoor Unit Tubing

1. Connect a wide tube (3/4") to the wide tube valve. (Fig. 31a)
2. Connect the tube assy, which was packed in the indoor unit carton, to the narrow tube valve.
3. Before attaching the tube assy to the mounting valve, wrap the supplied packing A (3/4" × 1-3/8" × T3/16") onto the 5/16" tube of the tube assy to avoid direct contact of the tube assy with the mounting valve. (Fig. 31b, 31c)

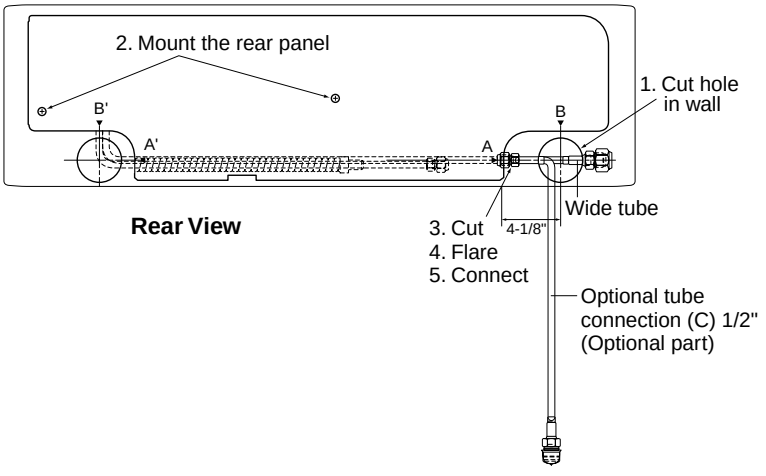


Fig. 30a

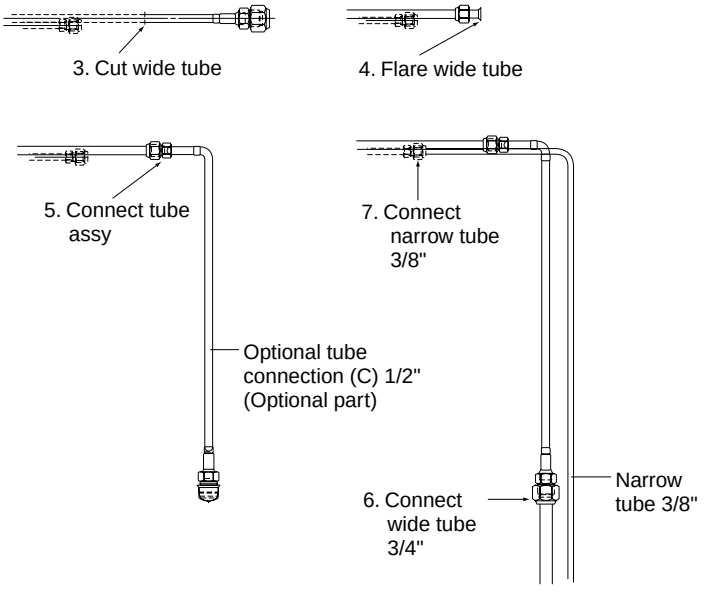


Fig. 30b

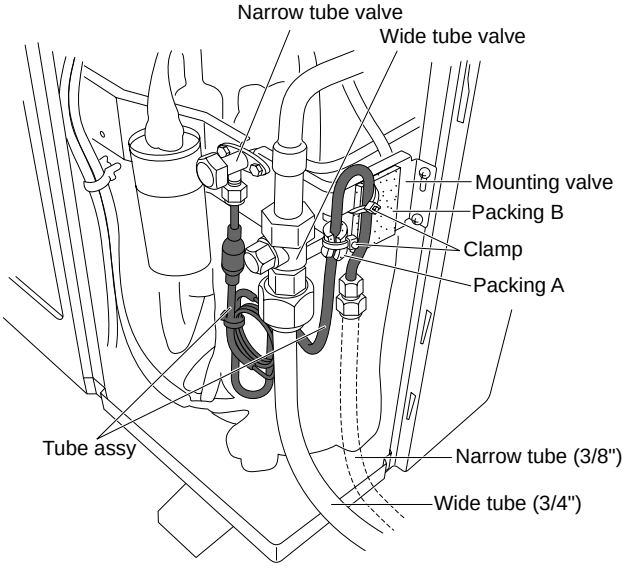


Fig. 31a

4. Similarly arrange the supplied packing B (2-3/8" × 1-3/16" × T3/16") on the mounting valve. (Fig. 31b, 31c)
5. Insert clamp A in the extracted round hole (ϕ 3/16") on the mounting valve, and bind the tube assy and packing A. (Fig. 31b)
6. Insert clamp B in the square hole of the mounting valve, and bind it so the tube assy is in contact with packing B. (Fig. 31c)
7. Connect the narrow tube (3/8") between the units. When tightening the flare nut, use the double-wrench method. (Torque: 300 to 340 lbs.·in) (Fig. 32)
8. After completing the tubing work, check that the tube assy is not in direct contact with the 3/4" tube.

4-3. Connecting Tubing between Indoor and Outdoor Units

a) Tightly connect the indoor side refrigerant tubing extended from the wall with the outdoor side tubing. (Fig. 33)

b) To fasten the flare nuts, apply specified torque as:

Table 6

Tube Dia.	Tightening Torque
3/8inch	Approx. 300 – 340 lbs.·in (35 – 40 N·m)
3/4inch	Approx. 870 – 1,040 lbs.·in (100 – 120 N·m)

4-4. Insulation of Refrigerant Tubing (For C2432 and CL2432)

IMPORTANT

To prevent heat loss and wet floors due to dripping of condensation, **both tubes must be well insulated with a proper insulation material.** The thickness of the insulation should be a minimum 5/16 inch. (Fig. 35)

4-5. Taping the Tubes

CAUTION **After a tube has been insulated, never try to bend it into a narrow curve, as this may cause the tube to break or crack.**

(1) At this time, the 2 refrigerant tubes (and electrical wire if local codes permit) should be taped together with armoring tape. The drain hose may also be included and taped together as 1 bundle with the tubing.

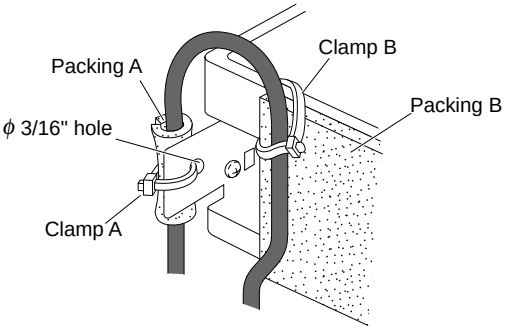


Fig. 31b

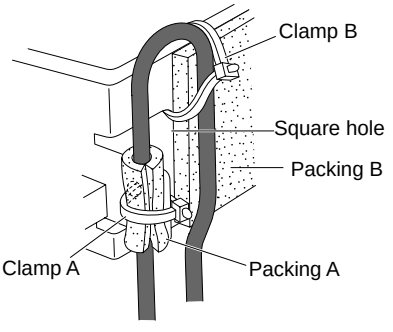


Fig. 31c

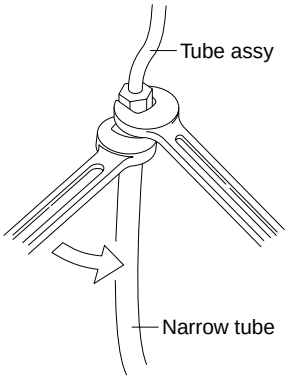


Fig. 32

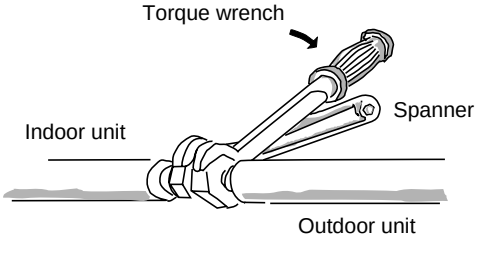


Fig. 33

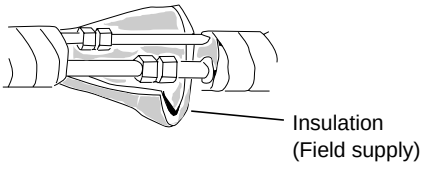


Fig. 34

(2) Wrap the armoring tape from the bottom of the outdoor unit to the top of the tubing where it enters the wall. As you wrap the tubing, overlap half of each previous tape turn. (Fig. 36)

(3) Clamp the tubing bundle to the wall, using 1 clamp approx. every 4 ft.

NOTE

Do not wind the armoring tape too tightly since this will decrease the heat insulation effect. Also be sure the condensation drain hose splits away from the bundle and drips clear of the unit and the tubing.

4-6. Finishing the Installation

After finishing insulating and taping over the tubing, use sealing putty to seal off the hole in the wall to prevent rain and draft from entering. Fig. 37 shows refrigerant tubing taped separately from the drain hose.

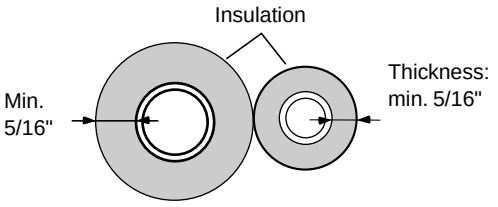


Fig. 35

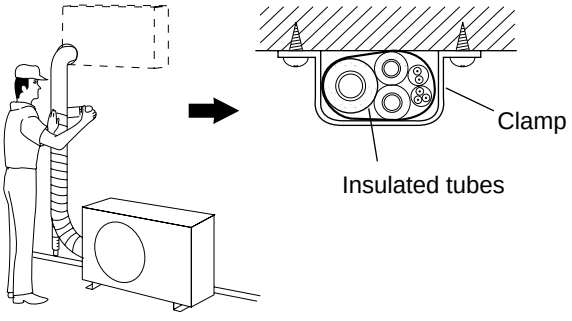


Fig. 36

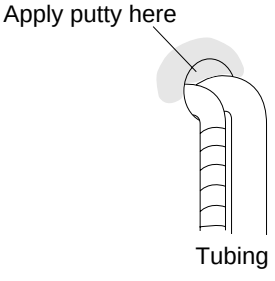


Fig. 37

5. Remote Control Unit Installation Position

The remote control unit can be operated from either a non-fixed position or a wall-mounted position.

To ensure that the air conditioner operates correctly, do not install the remote control unit in the following places:

- In direct sunlight
- Behind a curtain or other place where it is covered
- More than 26 ft. (8 m) away from the air conditioner
- In the path of the air conditioner's airstream
- Where it may become extremely hot or cold
- Where it may be subject to electrical or magnetic interference

5-1. Mounting on a Wall

1) Confirm the indoor unit beeps when the ON/OFF button is pressed at the wall location where the remote control unit is to be attached, then attach the holder to the wall. (Fig. 38)

2) When taking out the remote control unit, pull it from the holder.

When using the remote control unit

- Point the transmission portion of the remote control unit at the receiver area of the indoor unit when operating the remote control unit, and during operation of the air conditioner.
- Do not place objects that may block the transmitted signals between the receiver and the remote control unit.

When mounting the remote control unit to prevent theft

1) Mount the holder to the wall with one of the screws (using only the hole in the top of the holder) (Fig. 39).

2) Remove the cover of the remote control unit and take out the batteries. Next, place the remote control unit in the holder.

3) Fasten both the remote control unit and holder to the wall with the remaining screw (using the hole in the bottom of the holder).

4) Install the batteries in the remote control unit and close the cover.

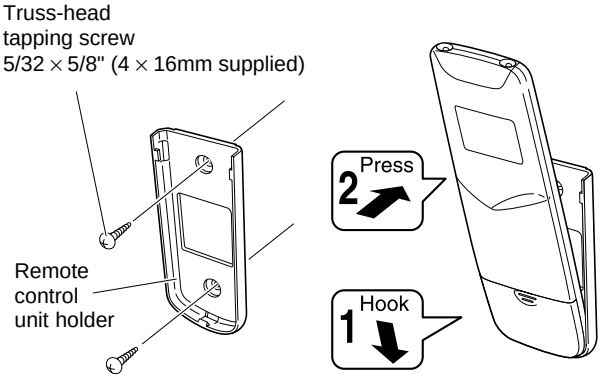


Fig. 38

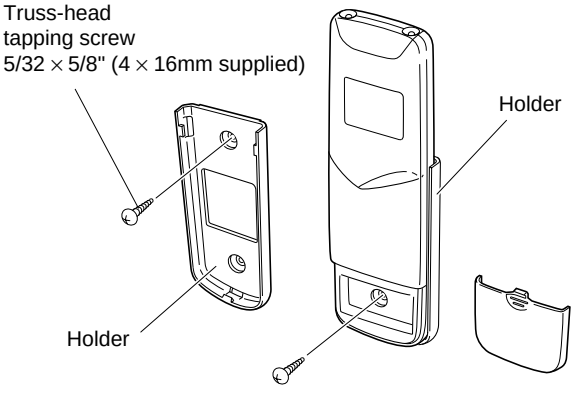


Fig. 39