

LG

LG Ceiling Duct-Type Air Conditioner

INSTALLATION MANUAL

MODELS: LB-C186HSA2 LB-C246HSA2 LB-C306GTA2

LB-C300GTA2 LB-C366GTA2/3 LB-C428GTA2 LB-C488RTA0

LB-C608RTA0

IMPORTANT

- Please read this installation manual completely before installing the product.
- When the power cord is damaged, replacement work shall be performed by authorized personnel only.
- Installation work must be performed in accordance with the national wiring standards by authorized personnel only.
- Please retain this installation manual for future reference after reading it thoroughly.

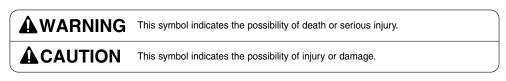
Ceiling Duct Type Air Conditioner Installation Manual

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Safety Precautions

To prevent injury to the user or other people and property damage, the following instructions must be followed. ■ Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications.



Meanings of symbols used in this manual are as shown below.

\bigcirc	Be sure not to do.
	Be sure to follow the instruction.

WARNING

Installation -

Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

There is risk of fire or electric shock.



Install the panel and the cover of control box securely.

• There is risk of fire or electric shock.



For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

• Do not disassemble or repair the product. There is risk of fire or electric shock.



Always install a dedicated circuit and breaker.

• Improper wiring or installation may cause fire or electric shock



Always ground the product.

• There is risk of fire or electric shock.



Use the correctly rated breaker or fuse.

• There is risk of fire or electric shock.



Do not modify or extend the power cable.

• There is risk of fire or electric shock.



For installation, always contact the dealer or an Authorized Service Center.

. There is risk of fire, electric shock, explosion, or injury.



Be sure the installation area does not deteriorate with age.

 If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.



Operation

Do not store or use flammable gas or combustibles near the product.

• There is risk of fire or failure of product.



Be cautious when unpacking and installing the product.

• Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.



Do not install the product on a defective installation stand.

· It may cause injury, accident, or damage to the product.



Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.

• Moisture may condense and wet or damage furniture.



Installation

Always check for gas (refrigerant) leakage after installation or repair of product.

• Low refrigerant levels may cause failure of product.



Keep level even when installing the product.

• To avoid vibration or water leakage.



Use two or more people to lift and transport the product.

· Avoid personal injury.



Install the drain hose to ensure that water is drained away properly.

• A bad connection may cause water leakage.



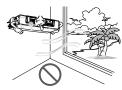
Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods.

• It may cause a problem for your neighbors.



Do not install the product where it will be exposed to sea wind (salt spray) directly.

 It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.



Introduction

Symbols Used in this Manual



This symbol alerts you to the risk of electric shock.

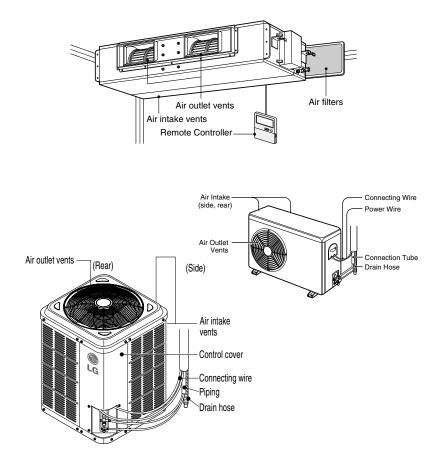


This symbol alerts you to hazards that could cause harm to the air conditioner.



This symbol indicates special notes.

Features



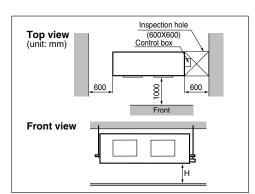
Installation of Indoor, Outdoor Unit

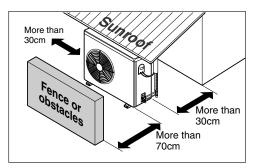
Selection of the best location

Indoor unit

Install the air conditioner in the location that satisfies the following conditions.

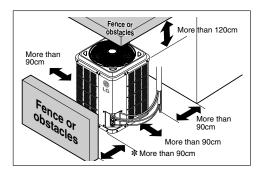
- The place shall easily bear a load exceeding four times the indoor unit's weight.
- The place shall be able to inspect the unit as the figure.
- The place where the unit shall be leveled.
- The place shall allow easy water drainage.(Suitable dimension "H" is necessary to get a slope to drain as figure.)
- The place shall easily connect with the outdoor unit.
- The place where the unit is not affected by an electrical noise.
- The place where air circulation in the room will be good .
- There should not be any heat source or steam near the unit





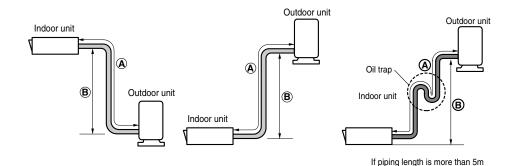
Outdoor unit

- If an awning is built over the unit to prevent direct sunlight or rain exposure, be careful that heat radiation from the condenser is not restricted.
- There should not be any animals or plants which could be affected by hot air discharged.
- Ensure the spaces indicated by arrows from the wall, ceiling, fence or other obstacles.



Piping length and the elevation

Capacity		Size eter: Ø)			Elevati	*Additional refrigerant	
	Gas	Liquid	Standard	Max.	Standard	Max.	(g/m)
18K BTU/h	5/8"	1/4"	7.5	30	5	15	30
24K BTU/h	5/8"	1/4"	7.5	30	5	15	35
30K BTU/h	5/8"	1/4"	7.5	30	5	15	30
36K BTU/h	5/8"	1/4"	7.5	30	5	15	40
LB-C366GTA3	5/8"	1/4"	7.5	30	5	15	50
42K BTU/h	3/4"	3/8"	7.5	30	5	15	50
48K BTU/h	3/4"	3/8"	7.5	30	5	15	60
60K BTU/h	3/4"	1/2"	7.5	30	5	15	90





CAUTION:

- If 48k Model is installed at a distance of 15m, 450g of refrigerant should be added (15-7.5) x 60g = 450g
- Capacity is based on standard length and maximun allowance length is on the basis of reliability.
- Improper refrigerant charge may result in abnormal cycle.
- Oil trap should be installed every 10 meters.

Indoor unit installation

Installation of Unit

Install the unit above the ceiling correctly.

CASE 1

POSITION OF SUSPENSION BOLT

• Apply a joint-canvas between the unit and duct to absorb unnecessary vibration.

(Linit.mm)

• Apply a filter Accessory at air return hole.

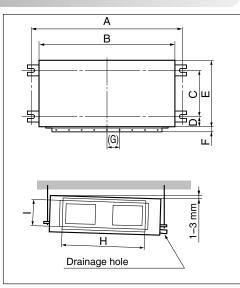
							(0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,)
Dimension Capacity	A	в	с	D	Е	F	(G)	н	I
18K BTU/h	948	880	355	45.5	450	30	87	750	163
24K BTU/h	940	000	300	40.0	400	30	0/	750	103
30K BTU/h									
36K BTU/h	1248	1180	355	45.5	450	30	87	830	186
42K BTU/h									
48K BTU/h	1202	1230	477	56	590	30	120	1006	201
60K BTU/h	1292	1230	4//	50	330	- 00	120	1000	2.94

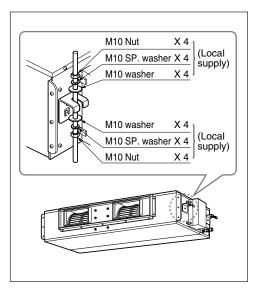
• Install the unit leaning to a drainage hole side as a figure for easy water drainage.



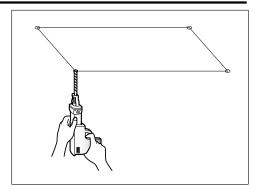
POSITION OF CONSOLE BOLT

- A place where the unit will be leveled and that can support the weight of the unit.
- A place where the unit can withstand its vibration.
- A place where service can be easily performed.

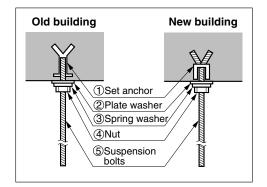


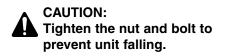


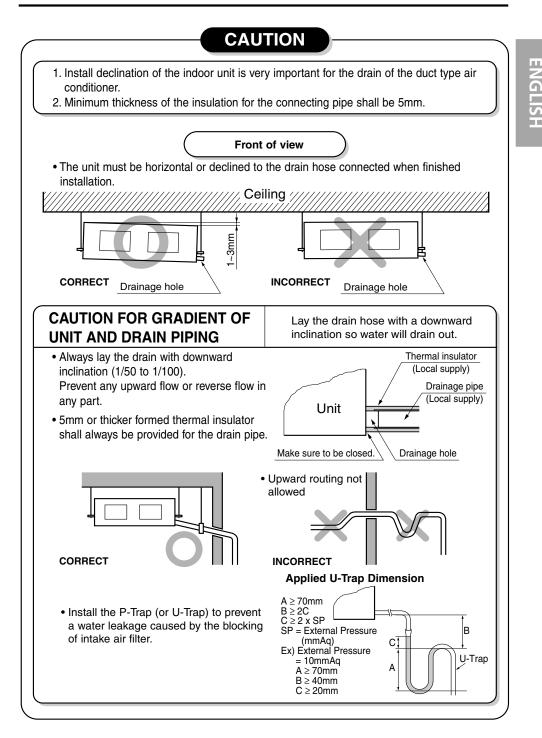
- Select and mark the position for fixing bolts.
- Drill the hole for set anchor on the face of ceiling.



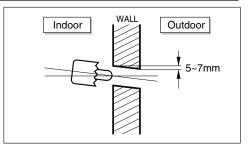
- Insert the set anchor and washer onto the suspension bolts for locking the suspension bolts on the ceiling.
- Mount the suspension bolts to the set anchor firmly.
- Secure the installation plates onto the suspension bolts (adjust level roughly) using nuts, washers and spring washers.

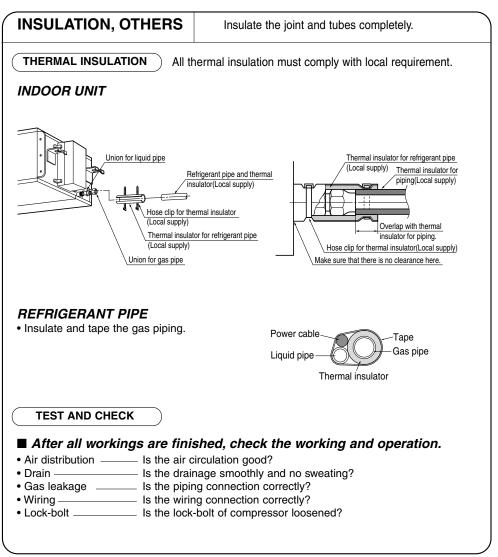






- Drill the piping hole with 70mm dia, hole core drill.
- Piping hole should be slightly slant to the outdoor side.





INSTALLATION OF REMOTE CONTROL BOX

Install the remote control box and cord correctly.

POINT OF REMOTE CONTROLLER INSTALLATION

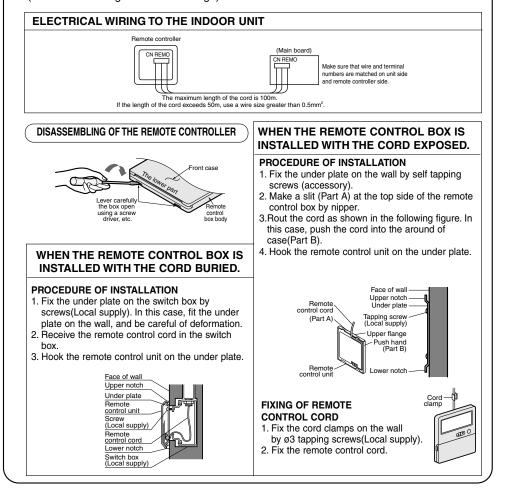
 Although the room temperature sensor is in the indoor unit, the remote control box should be installed in such places away from direct sunlight and high humidity.

INSTALLATION OF THE REMOTE CONTROL BOX

- Select places that is not splashed by water.
- Select control position after receiving customer approval.
- The room temperature sensor of the thermostat for temperature control is built in the indoor unit.
- This remote controller equipped with liquid crystal display. If this position is higher or lower, display is difficult to see.
 (The standard height is 1.2~1.5m high)

ROUTING OF THE REMOTE CONTROL CORD

- Keep the remote control cord away from the refrigerant piping and the drain piping.
- To protect the remote control cord from electrical noise, place the cord at least 5cm away from other power cables. (Audio equipment, Television set, etc)
- If the remote control cord is secured to a wall, provide a trap at the top of the cord to prevent water droplets from running.



WIERED REMOTE CONTROLLER INSTALLATION

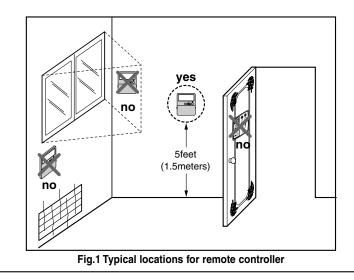
• Since the room temperature sensor is in the remote controller, the remote controller box should be installed in a place away from direct sunlight, high humidity and direct supply of cold air to maintain proper space temperature.

Install the remote controller about 5ft(1.5m) above the floor in an area with good air circulation at an average temperature.

Do not install the remote controller where it can be affected by:

- Drafts, or dead spots behind doors and in corners.
- Hot or cold air from ducts.
- Radiant heat from sun or appliances.
- Concealed pipes and chimneys.
- Uncontrolled areas such as an outside wall behind the remote controller.
- This remote controller is equipped with a seven segment LED. display. For proper display of the remote controller LED's, the remote controller should be installed properly as shown in Fig.1.

(The standard height is 1.2~1.5 m from floor level.)

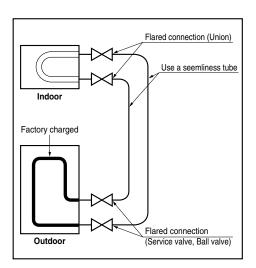


REFRIGERANT PIPING

Perform the work according to the Service Manual or Installation Guide.

- Use two spanners when connecting the refrigerant pipe to the unit.
- Make a bend with a radius as large as possible.
- Perform air purge with R-22 or vacuum drvina.
- When piping work is finished, check all joints.
- Add refrigerant if piping is over 7.5m.

Capacity	Addition volume
18K BTU/h	30 g/m
24K BTU/h	35 g/m
30K BTU/h	30 g/m
36K BTU/h	40 g/m
LB-C366GTA3	50 g/m
42K BTU/h	50 g/m
48K BTU/h	60 g/m
60K BTU/h	90 g/m



INSTALLATION OF OUT DOOR UNIT

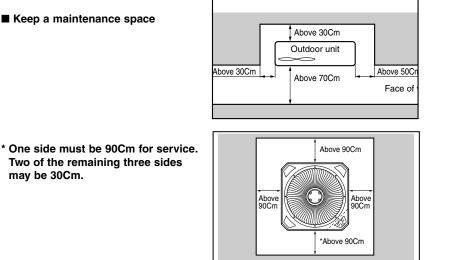
Select a location that satisfies the following conditions. Install the unit firmly in place.

Select the following location

- A place where the air conditioner can get good ventilation.
- A place where it shall not annoy the neighbors.
- A place where the unit shall be leveled and that can support the weight of unit and withstand its vibrations.
- Keep a maintenance space

Two of the remaining three sides

may be 30Cm.



ELECTRICAL WIRING

- All wiring must comply with local requirements.
- Select a power source that is capable of supplying the current required by the air conditioner.
- Use a recognized circuit breaker between the power source and the unit. A disconnection device to adequately disconnect all supply lines must be fitted.
- Capacity of circuit breaker

Capacity	1 Phase	3 Phase
18K BTU/h	20A	-
24K BTU/h	25A	-
30K BTU/h	30A	-
36K BTU/h	35A	-
42K BTU/h	-	20A
48K BTU/h	-	20A
60K BTU/h		25A
	1	

WIRING CONNECTION

Indoor unit

- Remove the control box cover for electrical connection between the indoor and outdoor unit. (Remove crews (1).)
- Use the cord clamper to fix the cord.

Outdoor unit

- Remove the control cover for wiring connection.
- Use the cord clamper to fix the cord.
- Earthing work
 - Case 1 : Terminal block of Outdoor Unit have (=) mark.

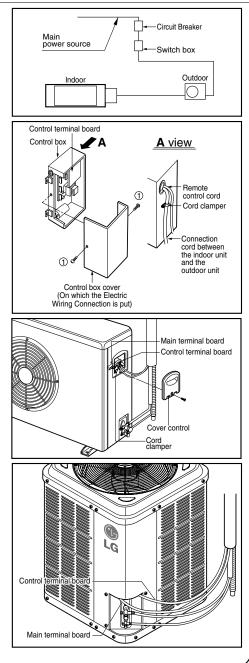
-Connect the cable of diameter 1.6mm² or more to the earthing terminal provided in the control box and do earthing.

- Case 2 : Terminal block of Outdoor Unit don't have 🕀 mark.

-Connect the cable of diameter 1.6mm² or more, to the panel of control box, marked as ⊕ and fasten with earth screw.

* Please check !!

Perform the electrical wiring work according to the electrical wiring connection.



Connecting Pipes to the Indoor Unit

Preparation of Piping

Main cause of gas leakage is defect in flaring work. Carry out correct flaring work in the following procedure.

Cut the pipes and the cable.

- Use the accessory piping kit or the pipes purchased locally.
- Measure the distance between the indoor and the outdoor unit.
- Cut the pipes a little longer than measured distance.
- Cut the cable 1.5m longer than the pipe length.

Burrs removal

- Completely remove all burrs from the cut cross section of pipe/tube.
- Put the end of the copper tube/pipe to downward direction as you remove burrs in order to avoid to let burrs drop in the tubing.

Putting nut on

 Remove flare nuts attached to indoor and outdoor units, than put them on pipe/tube having completed burr removal.
 (Not possible to put them on after flaring work)

Flaring work

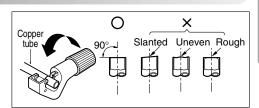
• Carry out flaring work using flaring tool as shown below.

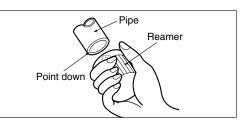
Outside I	Outside Diameter			
mm	inch	mm		
Ø6.35	1/4"	1.1~1.3		
Ø9.52	3/8"	1.5~1.7		
Ø12.7	1/2"	1.6~1.8		
Ø15.88	5/8"	1.6~1.8		
Ø19.05	3/4"	1.9~2.1		

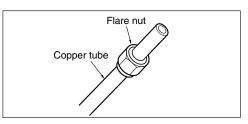
Firmly hold copper tube in a bar(or die) as indicated dimension in the table above.

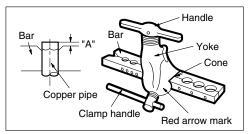
Check

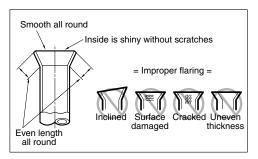
- Compare the flared work with figure.
- If flare is noted to be defective, cut off the flared section and do flaring work again.











Pipe bending

Annealed copper pipe with small diameter (ø6.35 or ø9.52) can be easily bent manually. In this case, secure large R(radius) for the bend section and gradually bend pipe. If annealed copper pipe is large in diameter (ø15.88 or ø19.05), bend pipe with bender. Use bender appropriate for the pipe diameter.

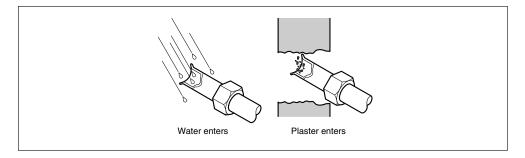
Brazing

In refrigerant piping, bending (in particular, acute bending) must be minimized to reduce piping resistance. Bending is, however, necessary in some places by virtue of the installation position of devices auxiliary to the packaged air conditioner, or of the building structure, piping distance or finishing appearance. If a more acute bend is required than that attainable by pipe bender, perform brazing using ready-made elbow. Aside from this function, brazing also serves to connect straight pipes, generally using ready-made sockets. While brazing, protect piping against heat with wet cloth to avoid damaging valve packing or burning thermal insulator with burner heat. While brazing, blow inert gas (nitrogen gas or carbonic gas) to prevent formation of oxidation film in copper piping; otherwise, the refrigerant circuit will clog. The blowing of nitrogen gas (or carbonic gas) through 3-way valves is described in the following:

Refrigerant piping(Flare piping)

When connecting piping, be sure to keep piping dry(keep piping away from water), clean (keep piping away from dust) and airtight (avoid refrigerant leakage).

When connecting piping on rainy days or making a through-hole in wall, take due care to prevent water or plaster from entering piping.





CAUTION:

• This procedure is designed to prevent formation of oxidation film by filling piping with inert gas. Note that excessive gas pressure will generate pinholes at brazed points.

(Nitrogen gas: Supply pressure 0.05~0.1kg/cm²G)

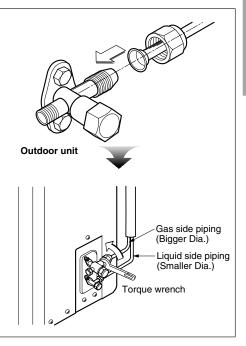
• When supplying inert gas, be sure to open one end of piping.

Connecting Pipes to the Outdoor Unit

Connecting the pipes to the Outdoor unit

- Align the center of the pipings and sufficiently tighten the flare nut with fingers.
- Finally, tighten the flare nut with torque wrench until the wrench clicks.
 - When tightening the flare nut with torque wrench, ensure the direction for tightening follows the arrow on the wrench.

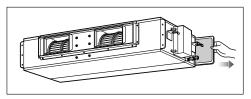
Outside I	"A"	
mm	inch	kgf∙m
Ø6.35	1/4"	1.8~2.5
Ø9.52	3/8"	3.4~4.2
Ø12.7	1/2"	5.5~6.6
Ø15.88	5/8"	6.3~8.2
Ø19.05	3/4"	9.9~12.1



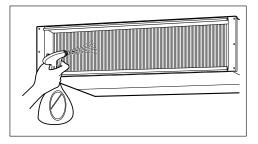
Checking the Drainage

Checking the Drainage

Remove the Air Filter.



- · Check the drainage.
 - Spray one or two glasses of water upon the evaporator.
 - Ensure that water flows drain hose of indoor unit without any leakage.



Connecting Cables between Indoor Unit and Outdoor Unit

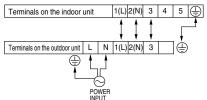
Connecting cables to the Indoor Unit

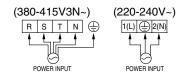
- Connect the wires to the terminals on the control board individually according to the outdoor unit connection.
 - Ensure that the color of the wires of outdoor unit and the terminal No. are the same as those of indoor unit respectively
- 30k/36k/42k/48k/60k Btu
 - · Cooling only type

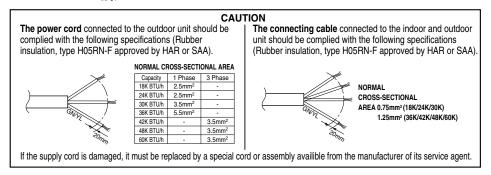


18K/24K Btu

· Cooling only type







CAUTION: Make sure that the screws of the terminal fixed tightly.

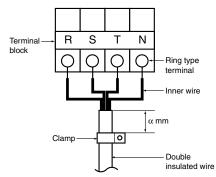
Clamping of cabls

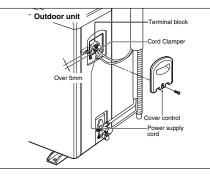
- Arrange 2 power cables on the control panel.
- First, fasten the steel clamp with a screw to the inner boss of control panel.
- For the cooling model, fix the other side of the clamp with a screw strongly. For the heat pump model, put the 0.75mm2 cable(thinner cable) on the clamp and tighten it with a plastic clamp to the other boss of the control panel.
- In Australia, the length of power supply cord measured from the entry of the power supply cord to the middle of live pin on the power plug should be over 1.8m.

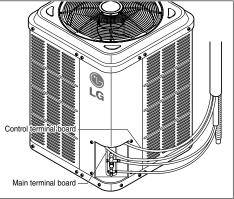
Connecting the cable to the Outdoor Unit

- Remove the Cover control from the unit by loosening a screw.
 Connect the wires to the terminals on the control board individually as following.
- Secure the cable onto the control board with the holder (clamper).
- Refix the cover control to the original position with the screw.

- Don't expose the inner wire of main power cable or indoor/outdoor power cable to direct sunlight.
 It may cause a risk of fire or electrical shock hazard.
- # Ensure that you leave at least a few 'mm' of wire insulation after the wire clamp, when connecting the main power cable or indoor/outdoor unit power cable to the terminal.







CAUTION: After the confirmation of the above conditions, prepare the wiring as follows:

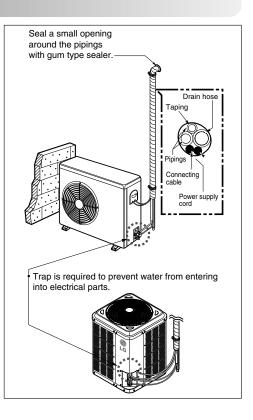
- 1) Never fail to have an individual power specialized for the air conditioner. As for the method of wiring, be guided by the circuit diagram pasted on the inside of control box cover.
- 2) Provide a circuit breaker switch between power source and the unit.
- 3) The screw which fasten the wiring in the casing of electrical fittings are liable to come loose from vibrations to which the unit is subjected during the course of transportation. Check them and make sure that they are all tightly fastened. (If they are loose, it could give rise to burn-out of the wires.)
- 4) Specification of power source
- 5) Confirm that electrical capacity is sufficient.
- 6) Be sure that the starting voltage is maintained at more than 90 percent of the rated voltage marked on the name plate.
- 7) Confirm that the cable thickness is as specified in the power sources specification. (Particularly note the relation between cable length and thickness.)
- 8) Never fail to equip a leakage breaker where it is wet or moist.
- 9) The following troubles would be caused by voltage drop-down.
 - Vibration of a magnetic switch, damage on the contact point there of, fuse breaking, disturbance to the normal function of a overload protection device.
 - Proper starting power is not given to the compressor.

Form the pipings

- Wrap the connecting portion of indoor unit with the Insulation material and secure it with two Plastic Bands. (for the right pipings)
 - If you want to connect an additional drain hose, the end of the drain-outlet should keep distance from the ground. (Do not dip it into water, and fix it on the wall to avoid swinging in the wind.)

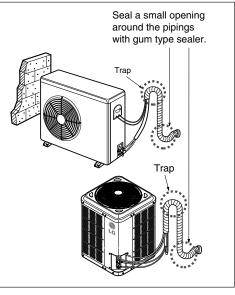
In case of the Outdoor unit being installed below position of the Indoor unit.

- Tape the Pipings, drain hose and Connecting Cable from bottom to top.
- Form the pipings gathered by taping along the exterior wall and fix it onto the wall by saddle or equivalent.



In case of the Outdoor Unit being installed above position of the Indoor Unit.

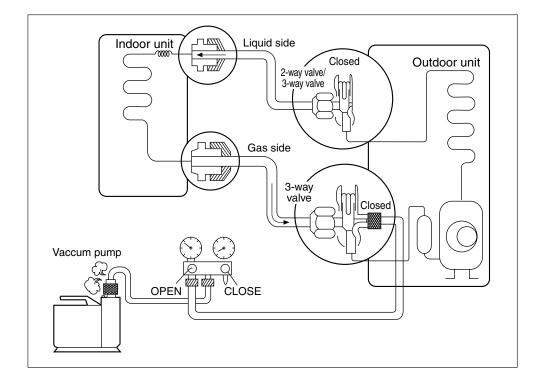
- Tape the Pipings and Connecting cable from bottom to top.
- Form the pipings gathered by taping along the exterior wall, and make the trap prevent water from entering into the room.
- Fix the pipings onto the wall by saddle or equivalent.



Air Purging of the Connecting Pipes and the Indoor Unit

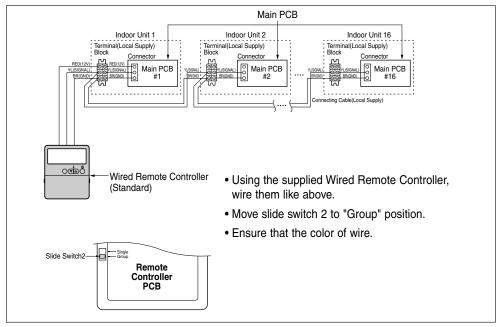
The air which contains moisture remaining in the refrigeration cycle may cause a malfunction on the compressor.

- 1. Confirm that both the liquid side valve and the gas side valve are set to the closed position.
- 2. After connecting the piping, check the joints for gas leakage with gas leak detector.
- 3. Remove the service port nut, and connect the gauge manifold and the vacuum pump to the service port by the charge hose.
- 4. Vacuum the indoor unit and the connecting pipes until the pressure in them lowers to below 76cmHg.
- 5. Remove the valve stem nuts, and fully open the stems of the 2-way and 3-way valves with a hexagon wrench.
- 6. Tighten the valve stem nuts of the 2-way valve and 3-way valve.
- 7. Disconnect the charge hose and fit the nut to the service port. (Tightening torque: 1.8kg.m)



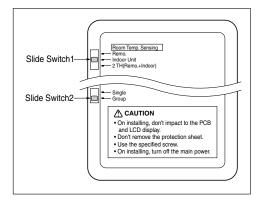
Group Control

It operates maximum 16 Units by only one Wired Remote Controller, and each Unit starts sequentially to prevent overcurrent.



Two Thermistor system

- Open the rear cover of Remote Controller to set up the mode.
- Selectable options are three as follows.
 - Remo: Sensing the room Temperature.
 - Indoor Unit: Sensing the intake air into indoor Unit.
 - 2 TH: Sensing the lower temperature of the two thermistors.
- To set up the mode, adjust the slide switch to desired mode position on installing.



E.S.P.(External Static Pressure) Setting

Open the rear cover of the wired remote-controller to set the mode. Select one of three selectable modes as follows.

Without Zone System

- 1. Position V-H, F-H:
 - This position sets the maximum E.S.P as a default set.
- 2. Position V-L:
 - This position sets the minimum E.S.P as a default set.

With Zone System

1. Position V-H:

• Maximum E.S.P setting & Fan speed is varied according to the state of dampers by micom.

2. Position F-H:

Maximum E.S.P setting & Fan speed doesn't vary according to the opening & Closing of dampers.

3. Position V-L:

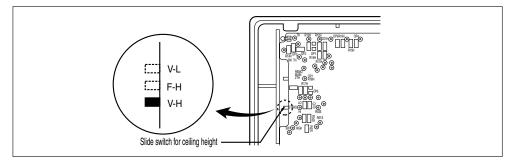
• Minimum E.S.P setting & Fan speed is varied according to the state of dampers by micom.

*Maximum: 18k/24k-8mmAq 30k/36k/42k-10mmAq

48k/60k-15mmAq

Minimum: All-0mmAq

Move the slide switch to set position.



Close the rear cover and check if it works normally.



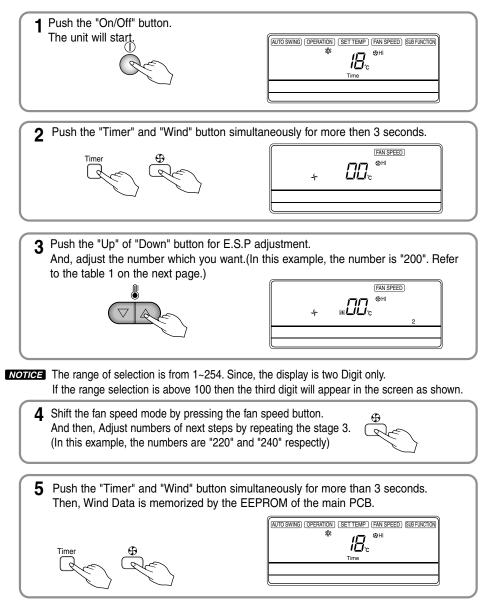
• Select the position after checking duct work and E.S.P of the unit.

How to Set E.S.P?

Procedure of RPM change:

Ex) External Static pressure is 10mmAq for Model Name "LB-C488RTA0"

• To protect the unit, compressor is designed to be off during E.S.P. setting.



External Static Pressure & air Flow

Static Pressure(mmAq)		0	2	4	6	8			
Model Name	Step(Hi/Med/Lo)		Setting Value						
	16.5 CMM	235	230	225	215	180			
LB-C186HSA2	14.5 CMM	245	238	235	230	215			
	13 CMM	254	252	248	245	240			
	18 CMM	220	205	190	50	1(16.5 CMM)			
LB-C246HSA2	16.5 CMM	235	230	220	200	100(15 CMM)			
	14 CMM	250	240	235	230	210			
LB-C306GTA2	32 CMM	235	230	230	150	1			
LB-C366GTA2	29 CMM	247	245	245	235	230			
LB-C366GTA3	29 CMM	247	245	245	235	230			
LB-C428GTA2	26.5 CMM	254	253	253	250	248			

Static Press	sure(mmAq)	0	2	4	6	8	10	12	14	15
Model Name	Step(Hi/Med/Lo)		Setting Value							
	40(CMM)	230	225	220	215	205	200	190	180	160
LB-C488RTA0	35(CMM)	250	245	240	235	230	220	215	210	200
	30(CMM)	255	255	255	250	245	240	235	230	225
	50(CMM)	185	180	174	162	154	140	90	5	1
LB-C608RTA0	45(CMM)	210	205	199	191	189	180	155	138	110
	40(CMM)	230	225	219	215	210	205	193	180	171

NOTICE: 1. Be sure to set the value refering table 1.Unexpected set value will cause malfunction.

2. Table 1 is based at 230v. According to the fluctuation of voltage, air flow rate varies.

Auto Function Setting

- 1. Press the "Timer + Fan Speed" button more than 3 seconds at the same time.
- Press the Fan Auto button, then choose "■" or "■ ■".
- 3. Repeat the first step to keep the setting.

AIRFLOW SETTING IN WIRE REMOTE CONTROLLER	FAN OPTION CONDITION	COMP ON	COMP OFF
Low Airflow		Setting Airflow(Low Airflow)	Low Airflow
Medium Airflow		Setting Airflow(Medium Airflow)	Low Airflow
High Airflow		Setting Airflow(High Airflow)	Low Airflow
Low Airflow		Setting Airflow(Low Airflow)	Setting Airflow(Low Airflow)
Medium Airflow		Setting Airflow(Medium Airflow)	Setting Airflow(Medium Airflow)
High Airflow		Setting Airflow(High Airflow)	Setting Airflow(High Airflow)
Low Airflow(Choose to AUTO)		Setting Airflow(Low Airflow)	FAN OFF
Medium Airflow(Choose to AUTO)		Setting Airflow(Medium Airflow)	FAN OFF
High Airflow(Choose to AUTO)		Setting Airflow(High Airflow)	FAN OFF
Low Airflow(Choose to AUTO)		Setting Airflow(Low Airflow)	FAN OFF
Medium Airflow(Choose to AUTO)		Setting Airflow(Medium Airflow)	FAN OFF
High Airflow(Choose to AUTO)		Setting Airflow(High Airflow)	FAN OFF

Checking the Power Cord (For 42/48/60k Model)

If the main cable for power supply is connected incorrect or wrong, it shall cause strange noise from the compressor and cooling operation does not work.

Troubles and Solutions

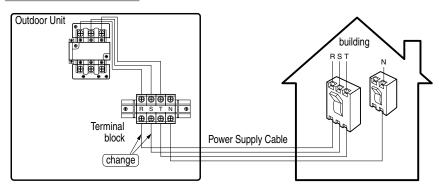
⊺roubles

- Occurrence of strange noise from compressor
- \supset No variation of pressure gages.

Outdoor unit circuit

Solutions

Change the R,S wires to the terminal block.





P/No.: 3828A20330X