LG
Life's Good

OWNER'S MANUAL

AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference.

TYPE : WALL MOUNTED

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TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize the power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. This may be harmful for your health and may consume more electricity. (Recommended 24°C is suitable for human body)
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly, in a short period of time.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or weaken the cooling / dehumidifying functions. (Refer page no. 20 and 21 for details)

For your records

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number :

Serial number :

You can find them on a label on the side of each unit.

Dealer's name :

Date of purchase :

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

⚠ WARNING

It can result in serious injury or death when the directions are ignored

⚠ CAUTION

It can result in minor injury or product damage when the directions are ignored

⚠ WARNING

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

Power

- Unplug the power plug immediately in the event of a blackout or thunderstorm. Failure to do so may result in fire or electric shock.
- Always use a power plug and socket with a ground terminal. Failure to do so may result in electric shock or product failure.
- Install a dedicated electric outlet and circuit breaker before you use the air conditioner. Failure to do so may result in electric shock or product failure.
- Do not connect the ground wire to a gas pipe, a lightning rod or a telephone ground wire. It may result in electric shock or product failure.
- Use a standard circuit breaker and fuse conforming with the rating of the air conditioner. Failure to do so may result in electric shock or product failure.
- Make sure to check that the power cable plug is not dirty, loose or broken and then only insert the plug completely. It may result in electric shock or product failure.
- Do not modify or extend the power cable. If the power cable or cord has scratches or skin peeled off or deteriorated then it must be replaced. It may result in fire or electric shock.
- Don't use a power cord, a plug or a loose socket which is damaged. It may result in fire or electric shock.
- Do not use a damaged power cord or plug. It may result in electric shock or product failure.
- Do not touch, operate or repair the air conditioner with wet hands. It may result in electric shock or product failure.
- Make sure that the power plug is not damaged when you move the air conditioner. Failure to do so may result in electric shock or product failure.

- Do not place a heater or other heating appliances near the power cable. It may result in fire, electric shock, or product failure.
- Make sure that the power cord is not pulled or damaged while the air conditioner is operating. Failure to do so may result in fire, electric shock, or product failure.
- Do not place any objects on the power cord. It may result in electric shock or product failure.

Installation

- Do not install the air conditioner on an unstable surface or where there may be a danger of it falling. It may result in death, serious injury, or product failure.
- Contact an authorized service center when you install or relocate the air conditioner. Failure to do so may result in serious injury or product failure.
- Indoor/outdoor wiring connections must be secured tightly and the cable should be routed properly so that there is no force pulling the cable from the connection terminals. Improper or loose connections can cause heat generation or fire.
- Install the panel and the cover of the control box safely. Failure to do so may result in explosion or fire.
- Do not install the air conditioner near a place with a danger of explosion or fire. It may result in explosion or fire.
- Make sure that the pipe and the power cable that connect the indoor unit and the outdoor unit are not pulled tight when you install the air conditioner. Failure to do so may result in electric shock or product failure.
- Do not mix air or gas in the system except for the specific refrigerant. If air enters the refrigerant system, it may result in an excessively high pressure that causes injury or damage to the equipment.

Use

- Be sure to use only those parts which are listed in the svc parts list. Never attempt to modify the equipment. It may result in death, serious injury, or product failure.
- Do not pull the power cord when you remove the power plug. It may result in death or electric shock.
- Discard the batteries where there is no danger of fire. Failure to do so may result in explosion or fire.
- Contact an authorized service center when the air conditioner is submerged into water due to flooding. Failure to do so may result in explosion or fire.
- Only use components that are approved by the manufacturer and do not repair or modify them. Failure to do so may result in electric shock or product failure.
- Only use the refrigerant specified on the air conditioner label. It may result in explosion or fire.
- Do not allow water to run into the air conditioner. It may result in explosion or fire.
- Do not leave flammable substances such as gasoline, benzene and thinner near the air conditioner. It may result in explosion or fire.
- Do not use the air conditioner for an extended period of time in a small place without ventilation. Ventilate the place regularly. Failure to do so may result in explosion or fire.
- Do not touch the electrostatic filter after opening the front grille. Failure to do so may result in electric shock or product failure.
- Unplug the power plug if there is a noise, smell or smoke coming from the air conditioner. Failure to do so may result in explosion or fire.
- Make sure to ventilate sufficiently when this air conditioner and a heating appliance such as a heater are used simultaneously. Failure to do so may result in fire, serious injury, or product failure.

- Make sure that children do not climb up the outdoor unit or impact it. Failure to do so may result in death or product failure.
- Do not turn on or off the air conditioner by plugging in or unplugging the power plug. It may result in fire or electric shock.
- When there is a gas leak, ventilate sufficiently before using the air conditioner again. Failure to do so may result in explosion or fire.
- Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system. It may result in death, fire or electric shock.
- Do not block the inlet or outlet of air flow. It may result in explosion or product failure.
- Do not insert hands or other objects through the air inlet or outlet while the air conditioner is operating. It may result in electric shock.
- Do not expose people, animals or plants to the cold or hot wind from the air conditioner. It may result in serious injury.
- Do not drink the water drained from the air conditioner. It may result in serious health complications.

Maintenance

- Turn the main power off and unplug the power plug when you clean or repair the air conditioner. Failure to do so may result in death, serious injury, or product failure.

⚠ CAUTION

Installation

- Do not install the air conditioner where there is direct sunlight. It may result in product failure.
- Safely dispose of packing materials such as screws, nails or batteries in a packing bag after installation or repair. It may result in serious injury.
- Do not install the air conditioner where it will be exposed to sea wind (salt spray) directly. It may result in product failure.
- Install the drain hose properly for smooth drainage of condensed water. Failure to do so may result in product failure.
- Install the air conditioner where the noise from the outdoor unit or the exhaust gas will not inconvenience the neighbors. Failure to do so may result in conflict between neighbors.
- Be cautious when you unpack or install the air conditioner. Failure to do so may result in serious injury or product failure.
- Do not touch the refrigerant leakage during installation or repair. It may result in product failure.
- When transporting the equipment, there should be at least 2 or more people, or a forklift. It may result in serious injury.

Use

- Remove the batteries when the remote control is not in use for an extended period of time. Failure to do so may result in product failure.
- Make sure that the filter is installed before you operate the air conditioner. Failure to do so may result in product failure.
- Unplug the power plug when the air conditioner is not used for an extended period of time. Failure to do so may result in product failure.
- Make sure to check if there is a refrigerant leak after you install or repair the air conditioner. Failure to do so may result in product failure.
- Do not place any objects on the air conditioner. It may result in product failure.

- If there is a refrigerant leak during the installation of the air conditioner, ventilate the area immediately. Failure to do so may result in serious injury or product failure.
- Follow the standards of the corresponding region or country for handling the refrigerant and the air conditioner, and for disassembling the air conditioner. Failure to do so may result in product failure.
- Do not mix the batteries for the remote control with other types of batteries or mix new batteries with used batteries. Failure to do so may result in product failure.
- Do not recharge or disassemble the batteries. Failure to do so may result in explosion, fire or serious injury.
- Do not dispose of the batteries in fire. It may result in explosion or fire.
- Stop using the remote control if there is a battery fluid leak. If your cloth or skin is exposed to the battery fluid from a leak, wash it off with clean water. Failure to do so may result in serious injury.
- If you swallow the battery fluid from a leak, wash out the inside of your mouth thoroughly and then consult a doctor. Failure to do so may result in serious health complications.
- Do not let the air conditioner run for a long time when the humidity is very high or when a door or window has been left open. Failure to do so may result in product failure.
- Do not use the product for special purposes,such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system. There is risk of damage or loss of property.

Maintenance

- Do not use strong cleaning agents or solvents when you clean the air conditioner, or spray water. Use a smooth cloth. It may result in serious injury or product failure.
- Never touch the metal parts of the air conditioner when you remove the air filter. It may result in serious injury or product failure.
- Use a sturdy stool or ladder when you clean, maintain or repair the air conditioner at a height. Failure to do so may result in serious injury or product failure.

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⚠ PRECAUTION

- Contact the authorized service technician for repair or maintenance of this unit.
- Please install your air-conditioner by company authorised service franchisee / authorised service and sales dealer.
- The air conditioner is not intended for use by young children or invalids without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only, using only genuine replacement parts.

We recommend usage of voltage stabilizer with high / low voltage cut off in areas having voltage fluctuations.

AC TONNAGE	STABILIZER KVA (3-STEP STABILIZER)
1.0	3
1.5	4
2.0	5

BEFORE USE

Prior to Operation

Preparing for Operation

1. Contact an installation specialist for installation.
2. Plug in the power plug properly.
3. Use a dedicated circuit.
4. Do not use an extension cord.
5. Do not start/stop operation by plugging/unplugging the power cord.
6. If the cord/plug is damaged, replace it with only an authorized replacement part.

Usage

1. Being exposed to direct airflow for a long time may be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for a long time.
2. Due to the possibility of oxygen deficiency, ventilate the room when using the appliance together with stoves or other heating devices.
3. Do not use this air conditioner for non-specified special purpose (e.g. preserving precision devices, food, pets, plants, or art objects). Such use may damage your properties. only an authorized replacement part.

Cleaning and Maintenance

1. Do not touch the metal parts of the unit when removing the filter. Injury can occur.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to electric shock.
3. When cleaning the unit, first make sure that the power and breaker are turned off. The fan rotates at a very high speed during operation. There is a possibility of injury if the unit's power is triggered while cleaning inner parts of the unit.

Service

For repair and maintenance, contact your authorized service dealer.

Components

Symbols used in this Manual

This symbol alerts you to the risk of electric shock.

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

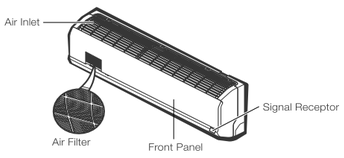
Notice This symbol indicates special notes.

Features

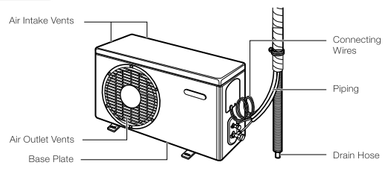
⚠ WARNING

This appliance should be installed in accordance with national wiring regulations. This guide acts as a guide to help to explain product features.

Indoor unit



Outdoor unit



Electrical Safety

⚠ WARNING

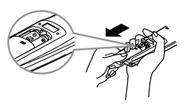
- This appliance must be properly grounded. To minimize the risk of electric shock, you must always plug into a grounded outlet.
- Do not cut or remove the grounding.
- Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal and not insulated, and the wall receptacle is grounded through the house wiring.
- If you have any doubt whether the air conditioner is properly grounded, have the wall receptacle and circuit checked by a qualified electrician.

Using the remote control

Inserting batteries

Insert batteries before using the remote control. The battery type used is AAA (1.5 V).

1 Remove the battery cover.



2 Insert the new batteries and make sure that the and terminals of the batteries are installed correctly.

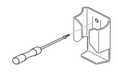


3 Reattach the battery cover.

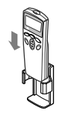
NOTE

If the display screen of the remote control starts to fade, replace the batteries.

3 Fix the holder by fastening the 2 screws firmly with a screwdriver.

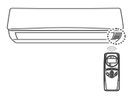


4 Slide the remote control into the holder.



Operating method

Point the remote control towards the signal receiver at the bottom of the air conditioner to operate it.



NOTE

- The remote control may operate other electronic devices if pointed towards them. Make sure to point the remote control towards the signal receiver of the air conditioner.
- For proper operation, use a soft cloth to clean the signal transmitter and receiver.

Installing the remote control holder

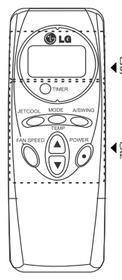
Install the holder where there is no direct sunlight to protect the remote control.

1 Choose a safe and easily-accessible place.
2 Remove the adhesive sticker protection film from the back of the holder before attaching it to the wall.

Using the remote control

You can operate the air conditioner more conveniently with the remote control. You will find the buttons for the additional functions under the cover of the remote control.

Wireless remote control



Control panel	Display Screen	Description
POWER		**ON/OFF BUTTON** Turns the power on/off.
MODE		**OPERATION MODE SELECTION BUTTON** Selects the operation mode. Cooling operation / / Healthy Dehumidifying operation .
TEMP	TEMP 88 °C	**ROOM TEMPERATURE SETTING BUTTONS** Used to select the room temperature.
FAN SPEED		**INDOOR FAN SPEED SELECTION BUTTON** Used to select fan speed in four steps - Low, Medium, High and natural wind.
A.SWING		**AIR SWING BUTTON** Used to start or stop louver movement and set the desired up down airflow direction.
TIMER	TIME	**SLEEP TIMER BUTTON** Used to set Sleep mode auto operation.
JET COOL	Po	**JET COOL BUTTON** Used to start or stop the speed cooling. The Jet Cool operates fan in super high speed in cooling mode.

* Some functions may not be supported, depending on the model

BASIC FUNCTIONS

Cooling your room
(Cooling operation)

1 Press POWER to turn on the power.
2 Press repeatedly to select the cooling operation.
- Following is the display on the display screen.

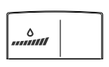


3 Press or to set the desired temperature.
- The temperature range is 18°C - 30°C.

Removing humidity
(Dehumidification operation)

This mode removes excess moisture from an environment with high humidity or in the rainy season, in order to prevent mold from setting in. This mode adjusts the room temperature and the fan speed automatically to maintain the optimal level of humidity.

1 Press POWER to turn on the power.
2 Press repeatedly to select the dehumidifying operation.
3 - is displayed on the display screen.



NOTE

- In this mode you cannot adjust the room temperature, as it is adjusted automatically. Also, the room temperature is not displayed on the display screen.
- In this mode indoor unit fan and outdoor unit will be OFF when set temperature is achieved.

Adjusting the fan speed

1 Press FAN SPEED repeatedly to adjust the fan speed.
2 Select if you want natural air. The fan speed adjusts automatically.



Natural wind (CHAOS Logic)

For fresher feeling, press the INDOOR FAN SPEED SELECTION BUTTON and set to Natural wind mode.
In this mode, the wind blows like a natural breeze by automatically changing fan speed.

Setting sleep timer mode

Use the sleep mode to turn off the air conditioner automatically when you go to sleep. The fan speed is set to low in sleep mode.

1 Press POWER to turn on the power.
2 Press repeatedly to select the desired mode.
3 Press repeatedly to select the desired number of hours (up to 7 hours).

NOTE

- The sleep mode will operate indoor fan at super low speed in cooling mode and at low speed in heating mode for pleasant sleep.
  In cooling mode or healthy dehumidification mode
  The setting temperature will rise automatically two times by 1°C over next consecutive 30 minutes (Maximum 2°C) for a comfortable sleep.
  This will be the final setting temperature as long as sleep mode is functioning. After completion of set time unit will switch OFF automatically.

ADVANCED FUNCTIONS

The air conditioner offers some additional advanced functions.

Changing room temperature quickly
(Jet Cool)

This mode allows you to cool indoor air quickly in summer.

1 Press POWER to turn on the power.
2 Press .



- In jet cooling mode, strong air blows out at a temperature of 18°C for 30 minutes.

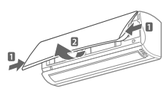
NOTE

- This function may not be supported, depending on the model.

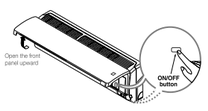
Operating the air conditioner without the remote control (Forced Operation)

You can use the On/Off button of the indoor unit to operate the air conditioner when the remote control is unavailable. However, the fan speed is set to high.

1 Open the front cover.
- Lift up both sides of the cover slightly.



2 Press the On/Off button.



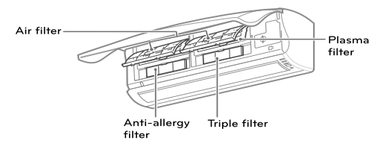
- For cooling and heating models, the operation mode changes, depending on the room temperature.

	Cooling Model	Heat pump Model		
		Room Temp. ≥ 24°C	21°C ≥ Room Temp. < 24°C	Room Temp. < 21°C
Operating mode	Cooling	Cooling	Healthy Dehumidification	Heating
Indoor FAN Speed	High	High	High	High
Setting Temperature	22°C	22°C	23°C	24°C

If you want to stop the unit, re-press the power button.

MAINTENANCE

Clean the product regularly to maintain optimal performance and to prevent possible breakdown.
* This may not be provided, depending on the model.



Item	Cleaning interval	Cleaning method
Air filter	2 weeks	See "Cleaning air filter."
Anti-allergy filter / Triple filter	3 months	See "Cleaning anti-allergy filter and triple Filter."
Plasma filter*	3 months	See "Cleaning the plasma filter."
Indoor unit surface	Regularly	Use a soft, dry cloth. Do not use bleach or abrasives.
Outdoor unit	Regularly	Use steam to clean the heat exchanger coils and the panel vents (consult with technician).

⚠ CAUTION

- Turn off the power and unplug the power cord before you perform any maintenance; otherwise it may cause electric shock.
- Never use water that is hotter than (40°C) when you clean the filters. It may cause deformation or discoloration.
- Never use volatile substances when you clean the filters. They may damage the surface of the product.

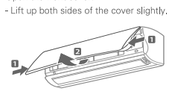
NOTE

- The location and shape of the filters may differ, depending on the model.
- Make sure to clean the heat exchanger coils of the outdoor unit regularly, as dirt collected in the coils may decrease the operational efficiency or increase energy costs.

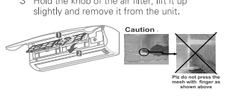
Cleaning the air filter

Clean the air filter once every 2 weeks or more if necessary.

1 Turn off the power and unplug the power cord.
2 Open the front cover.
- Lift up both sides of the cover slightly.



3 Hold the knob of the air filter, lift it up slightly and remove it from the unit.



4 Clean the filter with a vacuum cleaner or with warm water.
- If dirt is difficult to remove, wash the filter in lukewarm water with detergent.
5 Dry the filter in the shade.

Cleaning the anti-allergy and triple filter

1 Turn off the power and unplug the power cord.
2 Open the front cover and remove the air filter (see "Cleaning air filter").
3 Pull out the anti-allergy filter and the triple filter.



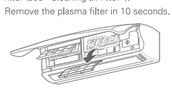
4 Dry the filter in direct sunlight for 2 hours.

NOTE

The location and shape of the filters may differ, depending on the model.

Cleaning the plasma filter

1 Turn off the power and unplug the power cord.
2 Open the front cover and remove the air filter (see "Cleaning air filter").
3 Remove the plasma filter in 10 seconds.



4 Use a vacuum cleaner to remove any dirt.
- If dirt is difficult to remove, wash the filter with lukewarm water.
5 Dry the filter in the shade.

NOTE

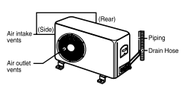
- The location of the filters may differ, depending on the model.
- The plasma filter may not be included in some models.

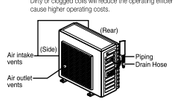
Outdoor Unit

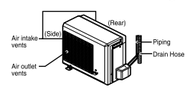
The heat exchanger coils and panel vents of the outdoor unit should be checked regularly. If clogged with dirt or soot, the heat exchanger and panel vents may be professionally steam cleaned.

NOTICE

Dirty or clogged coils will reduce the operating efficiency of the system and cause higher operating costs.







TROUBLESHOOTING

Self-diagnosis function

This product has a built-in self-diagnosis function. If an error occurs, the lamp of the indoor unit will blink in 2 second intervals. If this occurs, contact your local dealer or service center.

Before requesting service

Please check the following before you contact the service center. If the problem persists, contact your local service center.

Problem	Possible causes	Corrective action
There is a burning smell and a strange sound coming from the unit.	-	Turn off the air conditioner, unplug the power cord and contact the service center.
Water leaks from the indoor unit even when the humidity level is low.		
The power cord is damaged or generating excessive heat.		
A switch, a circuit breaker (safety, ground) or a fuse is not operated properly.		
The air conditioner does not work.	The air conditioner is unplugged.	Check whether the power cord is plugged into the outlet.
	A fuse is blown or the power supply is blocked.	Replace the fuse or check if the circuit breaker has tripped.
	A power failure has occurred.	Turn off the air conditioner when a power failure occurs. When the power is restored, wait 3 minutes, and then turn on the air conditioner.
	The voltage is too high or too low.	Check if the circuit breaker has tripped.
	The air conditioner turned off automatically at a preset time.	Press the power button again.

Problem	Possible causes	Corrective action
The air conditioner does not generate cool air.	Air is not circulating properly.	Make sure that there are no curtains, blinds or furniture blocking the front of the air conditioner.
	The air filter is dirty.	Clean the air filter once every 2 weeks. See "Cleaning Air Filter" for more information.
	The room temperature is too high.	In summer, it may take some time to cool indoor air. In this case, select the jet cool operation to cool indoor air quickly.
	Cold air is escaping from the room.	Make sure that no cold air is escaping through ventilation points in the room.
	The desired temperature is higher than the set temperature.	Set the desired temperature to a level lower than the current temperature.
	There is a heating source nearby.	Avoid using a heat generator such as an electric oven or a gas burner while the air conditioner is in operation.
	Air circulation operation is selected.	In the air circulation operation, air blows from the air conditioner without cooling or heating the indoor air. Switch the operation mode to the cooling operation.
It is not possible to adjust the fan speed.	The auto operation, jet operation or dehumidifying operation is selected.	In some operation modes, such as the jet or dehumidifying operation modes, you cannot adjust the fan speed. Select an operation mode in which you can adjust the fan speed.
It is not possible to adjust the temperature.	The air circulation operation or jet operation is selected.	In some operation modes, such as the air circulation or jet operation mode, you cannot adjust the temperature. Select an operation mode in which you can adjust the temperature.

LG 24 x 7 CALL CENTER
1800-180-9999 (Toll Free) 5757554 (Send SMS)
www.lg.com
serviceindia@lge.com



For any further information, please contact LGEIL Branches

BRANCH	BRANCH OFFICE ADDRESS	PHONE NO. / FAX NO.
Ahmedabad	LGEIL, 233-234, Platinum Plaza, Nr. Judges Bunglow Cross Road, Bodakdev, Ahmedabad-54	4004013-14
Asansol	LGEIL, Block-E, Ist Floor, P C Chattarjee Market, Rambandhu Tala, GT Road (E) Asansol-713303	3292009/3292010 (Fax) 2215170
Aurangabad	LGEIL, 302 CIDCO No. 3, Opp. Hotel Ramgiri, Jalna Road, Aurangabad-431003	5625705 / (Fax) 2474055/32095436/32095437/32095438
Bangalore	LGEIL, No. 914, 2nd Floor, Shri Venkateshwara Complex, Opp. IBP Petrol Bunk, 80ft Road, 6th Block, Koramangala - Bangiore - 560095	41145145/41144750/41144751
Bhopal	LG Electronics India Private Limited, 2nd Floor,Alankar Complex, Plot No. 10, M.P. Nagar, Zone-II, Bhopal-462011	4262847/4226861 (Fax) 4262848
Bhubaneshwar	LGEIL, Plot No. 02,1st Flr., Bapuji Nagar, Bhubaneshwar-751009	2531430, 2534280
Calcutta	LGEIL, 1, Ho-Chi-Min-Sarani, 6th Floor, Metro Towers, Calcutta-700071	22883254 (5l) Fax
Chandigarh	LGEIL, SCO No. 142-143, 3rd Floor, Sector-34A, Chandigarh-160022	5087389/90 (Fax) 5089107
Chennai	LGEIL, AA11, 2nd Avenue, Fatima Tower, Anna Nagar West, Chennai-600040	65510501-04 (Fax) 26203506
Cochin	LGEIL, 40/1270, Vasudeva Buildings, T.D. Road, Ernakulam Cochin-682011	2369765/2369743/2370744/4027444/4027555/2360977 (Fax)
Coimbatore	LGEIL, 250A, Sangunur Main Road, Kannappa Nagar, Coimbatore-641027	2332197, 2332195
Delhi	LGEIL, A-27, Mohan Co-operative, Industrial Estate, New Delhi	26991411/2/11/13 (Fax) 26991410
Dehradun	LGEIL, M-22, Commercial Motors Compound, Mohabewala Indl. Area, Delhi-Saharanpur Road, Dehradun (Uttarakhand)	2644213/283
Gurgaon	LGEIL, IInd Flr, A Block, Centre Point Bldg, Sushant Lok , Ph-I, Gurgaon-122001	4047461- 62 - 63/4272867, 4047460 (Fax)
Ghaziabad	LGEIL, J-10, RDC Rajnagar, Ghaziabad - 201001	9811354152/3/64/65/266
Guwahati	LGEIL, Shantineer Bhawan, C.K.Aggarwal Path, Chenikuthi, Guwahati-781003	2663855/2665658/2665983/2668984 (Telefax)
Hyderabad	LGEIL, 1st Floor, Survey No. 54, Pulla Reddy Building, Vikrampuri, Main Road, Khairkhana, Secunderabad-500009	27207504, 05, 06/27204094 27201462 (Fax)
Hubli	LGEIL, 1 Floor, Above Bellad & Co., Near Bannigida Busstop, Gokul Road, Hubli-580030	4250251/52
Indore	LGEIL, 3rd flr., 304 Bansi Trade Centre, 581/5 M.G. Road, Indore-452003	4065523~24, 4082157 (Fax)
Jaipur	LGEIL, B-71, Sahakar Marg, Lal Kothi Scheme, Jaipur-302015	5111118/5113028/5105392, 5111540 (Fax)
Jammu	LGEIL, Plot No. 52, Yard No. 6,Transport Nagar, Narwal, Jammu-180006	2477420, 2477419, 2474096, 2474364
Jodhpur	LGEIL, 22(1-A)(1)-B(2), RIICO Heavy Industrial Area, Jodhpur-342003	2742364, 392 / 5120030 (Fax)
Karnal	LG Electronics India Pvt Ltd, Super Tyre Building, Near New Anaj Mandi, Opp. New World Restaurant, G.T. Road Karnal, Haryana	2219201, 2219202 (Telefax)
Lucknow	LGEIL, B-537, Hari Kunj, Keshav Nagar, Sitapur Road, Lucknow-226020	2757538,39,2759121 (Fax) 2757559
Ludhiana	LGEIL, Village Jhande, Near Badowal Railway Station, Opp. Ferozpur Road, Ludhiana.	2804412 - 19
Mumbai(N & S)	LGEIL, Trade Star, 4th Floor, A Wing, J.B. Nagar, Andheri Kurla Road, Andheri (E) Mumbai-400059	28352882-2887 / 28352889 (Fax)
Nagpur	LGEIL, 5A, Road No.13, Behind Mertc Workshop, MIDC Hings, Nagpur-440016	235120, 235122, Fax : 234401
Patna	LGEIL, 2nd Floor, Ankit Chandra Deep Complex, Bander Bageecha, Near Samrat Hotel, Patna-800001.	3298714, 2541845 (Fax)
Pune	LGEIL, 201, 2nd Floor, Plexus Complex, at 1341/1, CTS No. 1337/1, Nr. Parihar Chowk, Aundh, Pune-411 007.	020 41474100, 41474111
Rajkot	LGEIL, Sanskruti Apartment, Opp. Dr. Ambedkar Bhawan, Near Atithi Chowk, Akshar Road , Rajkot - 360004	2481499,2467692 (Fax)
Raipur	613 to 616, 6th Floor, Office, Magneto - The Mall, GE Road, Raipur - 492001	4053171/4037470 (Fax) 4038426/610/11
Ranchi	LGEIL, 402, Commerce Tower, Opp. Gel Church Complex, Main Road, Ranchi	3294026, 2331815
Surat	LGEIL, 1001-1004, Axcon Plaza, IInd Flr, Anand Mahal Road, Behind Bhulka Bhavan School, Adajan, Surat-395009	2730962/83, 2730964 (Fax)
Thane	LGEIL, Gali Shop No - 206,207, 2nd Floor, Sai Plaza , Above Vijay Sales Opp. Cine Wonder Mall, Ghodbunder Road , Thane(West)-400607	25472633/2637 25472602(Fax)
Varanasi	LGEIL, Parna Complex, DLW, Lahartara Road, Shivdaspur, Manduadih, Varanasi, UP-221002	2373432/36/37
Vijaywada	LGEIL, Door No. 32-21-7, Ratnamamba Street, Prajasakti Nagar, Vijaywada-520010, Andhra Pradesh	2497283/87, (Fax) 2497284
Warangal	LGEIL, House No. 1-8-598/1, First Floor, Beside HDFC Bank, Nakkalgutta, Hanamakonda-506001 (Warangal)	2551453
Kozhikode	3/568, Thripuri Building, Wayanadu Road, First Floor,Near K.S.F.E, East Nadakkavu, Calicut-673011	2366755, 2366756, 2366678, (Fax) 2766678

Email : serviceindia@lge.com

LG Electronics

Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the e-waste (Management and Handling) Rules, 2011.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.
5. This product does not contain any of the hazardous substances as specified in the rule 13 (1) and (2) of the e-waste (Management and Handling) Rules, 2011.

अपने पुराने उपकरण का निपटान

1. जब यह काटे गये पहिये वाले बिन का चिह्न किसी उत्पाद के साथ संलग्न होता हैं तो इसका अर्थ है उत्पाद ई–अपशिष्ट (प्रबंधन और हथालन) नियम 2011 के अन्तर्गत सम्मिलित किया गया है.
2. सभी इलेक्ट्रिकल और इलेक्ट्रानिक उत्पादों को सरकार या स्थानीय अधिकारियों द्वारा नियुक्त नगरपालिका अपशिष्ट धारा से अलग प्राधिकृत की गई संग्रह सुविधाओं के माध्यम से निपटाया जाना चाहिए.
3. सही तरीके से अपने पुराने उपकरणों का निपटान वातावरण और मानवीय स्वास्थ्य के लिए संभावित नकारात्मक परिणामों को रोकने में मदद करेगा.
4. अपने पुराने उपकरणों के निपटान के संबध में और अधिक विस्तृत जानकारी के लिए, कृपया अपने नगर कार्यालय, अपशिष्ट निपटान सेवा या जहां से आपने उत्पाद खरीदा था, वहां संपर्क करें.
5. इस उत्पाद में ई–अपशिष्ट (प्रबंधन और हथालन) नियम, 2011 के नियम 13 (1) और (2) में निर्देशानुसार कोई भी हानिकारक पदार्थ शामिल नहीं हैं.

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Folder Front Size - 18X25

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INSTALLATION MANUAL
AIR CONDITIONER

- 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.

TYPE : WALL MOUNTED

P/No. MFL39754855

LG 24 x 7 CALL CENTER
1800-180-9999 (Toll Free) | 5757554 (Send SMS)
www.lg.com
servicein dia@lge.com

LG Electronics India Pvt. Ltd.
Regd. Office : A-27,Mohan Cooperative Industrial Estate, Mathura Road, New Delhi-110044
www.lg.com

TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize the power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. This may be harmful for your health and may consume more electricity. (Recommended 24°C is suitable for human body)
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly, in a short period of time.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or weaken the cooling / dehumidifying functions. (Refer page no. 21 and 22 owner's manual)

For your records

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number :

Serial number :

You can find them on a label on the side of each unit.

Dealer's name :

Date of purchase :

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

⚠ WARNING
It can result in serious injury or death when the directions are ignored

⚠ CAUTION
It can result in minor injury or product damage when the directions are ignored

⚠ WARNING

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

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.
- 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 ground the product.
  - 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.
- Always install a dedicated circuit and breaker.
  - Improper wiring or installation may cause 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.
- 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.
- 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.
- For installation, always contact the dealer or an Authorized Service Center.
  - There is risk of fire, electric shock, explosion, or injury.

- Do not install the product on a defective installation stand.
  - It may cause injury, accident, or damage to the product.
- 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.

⚠ CAUTION

Installation

- Always check for gas (refrigerant) leakage after installation or repair of product.
  - Low refrigerant levels may cause failure of product.
- Install the drain hose to ensure that water is drained away properly.
  - A bad connection may cause water leakage.
- Keep level even when installing the product.
  - To avoid vibration or 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.
- Use two or more people to lift and transport the product.
  - Avoid personal injury.
- 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.

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6 INSTALLATION PARTS
6 Installation Parts provided with the Unit
6 Installation Parts you must purchase
7 Required Tools

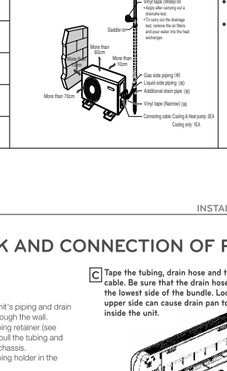
8 INSTALLATION
8 Installation of Indoor & Outdoor Unit
10 Flaring Work and Connection of Piping
11 Connection of piping (Indoor)
11 For right rear piping
12 For left rear piping
14 Connection of piping (Outdoor)
15 Connecting the cable between indoor unit and outdoor unit
17 Checking the drainage and forming the piping
18 Air purging
20 Test running

INSTALLATION PARTS

Installation parts provided with the unit

Type 'A' Screw	Quantity	Shape	Others
Type 'A' Screw	4		• Paper pattern for installation. • Owner's Manual • Installation Manual
Installation Plate	1		
Type 'B' Screw	2		
Holder Remote Control	1		

Installation parts you must purchase

Type 'A' Screw	Quantity	Shape	Others
Sleeve			• Paper pattern for installation. • Owner's Manual • Installation Manual
Bushing Sleave			
Putty (Gum type sealer)			
Vinyl tape (Wide)			
Gas side piping			
Liquid side piping			
Additional drain pipe			
Vinyl tape (Narrow)			
Saddle			

Installation Tools

S.No.	Required Tools
1	Level Gauge
2	Screw Driver
3	Electric Drill
4	Hole Core Drill (Dia-70mm)
5	Flaring Tool Set
6	Specified torque wrenches 1.8kg.m, 4.2kg.m, 5.5kg.m, 6.6kg.m (Different depending on model no.)
7	Spanner (Half Union)
8	A glass of water
9	Hexagonal Wrench
10	Gas-Leak Detector
11	Vacuum Pump
12	Gauge Manifold
13	Owner's Manual
14	Thermometer

INSTALLATION OF INDOOR & OUTDOOR UNIT

Read completely, then follow step by step.

Select the best location

A Indoor Unit

- Do not have any heat or steam near the unit.
- Select a place where there are no obstacles in front of the unit.
- Make sure that condensation drainage can be conveniently routed away.
- Do not install near a doorway.
- Ensure that the space around the left and right of the unit is more than 5cm. The unit should be installed as high on the wall as possible, allowing a minimum of 5cm from ceiling.
- Use a stud finder to locate studs to prevent unnecessary damage to the wall.



⚠ CAUTION
Install the indoor unit on the wall where the height from the floors more than 2.3 meters.

B Outdoor Unit

- If an awning is built over the unit to prevent direct sunlight or rain exposure, make sure that heat radiation from the condenser is not restricted.
- Ensure that the space around the back and sides is more than 10cm. The front of the unit should have more than 70cm of space.
- Do not place animals and plants in the path of the warm air.
- Take the air conditioner weight into account and select a place where noise and vibration are minimum.
- Select a place so that the warm air and noise from the air conditioner do not disturb neighbors.

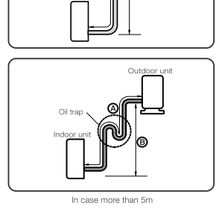


Rooftop Installation

If the outdoor unit is installed on a roof structure, be sure to level the unit. Ensure the roof structure and anchoring method are adequate for the unit location. Consult local codes regarding rooftop mounting.

Piping length and elevation

Capacity (Btu/h)	Pipe Size GAS	Pipe Size LIQUID	Standard Length (m)	Max. length ℓ(m)	Additional Refrigerant (g/m)
9K	3/8"	1/4"	3 to 5	20	20
9K, 12K, 18K (50Hz)	1/2"	1/4"	3 to 5	20	20
18K (60Hz) 24K Cooling	5/8"	1/4"	3 to 5	20	20
24K, 28K Cooling & Heat Pump	5/8"	3/8"	3 to 5	20	20



CAUTION
- Capacity is based on standard length and maximum allowance length is on the basis of reliability.
- Oil trap should be installed every 5~7 meters.

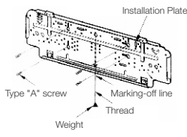
INSTALLATION OF INDOOR & OUTDOOR UNIT

How to fix installation plate

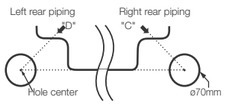
The wall you select should be strong and solid enough to prevent vibration.

A Mount the installation plate on the wall with four type A screws. If mounting the unit on a concrete wall, use anchor bolts.

- Mount the installation plate horizontally by aligning the centerline using a level.

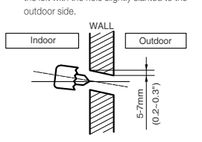


B Measure the wall and mark the centerline. It is also important to use caution concerning the location of the installation plate-routing of the wiring to power outlets is through the walls typically. Drilling the hole through the wall for piping connections must be done safely.



Drill a hole in the wall

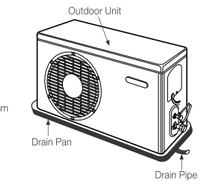
- Drill the piping hole with a ø70mm hole core drill. Drill the piping hole at either the right or the left with the hole slightly slanted to the outdoor side.



CAUTION
- Make sure that the drilled hole in the wall is properly sealed (using a proper sealant, for example cement, plaster of paris etc.) after passing the installation pipe, drainage pipe and the inter connecting cable.

Usage of Drain Pan (Heat Pump)

Drain pan along with drain pipe (as shown below) can be used to drain the water accumulated in the outdoor during the Heat Mode.



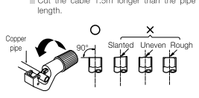
FLARING WORK AND CONNECTION OF PIPING

Flaring work

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

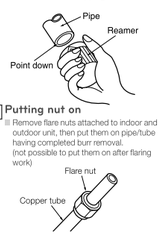
A Cut the pipes and the cable

- Use the piping kit accessory 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.



B Burrs removal

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



C Putting nut on

- Remove flare nuts attached to indoor and outdoor unit, then put them on pipe/tube having completed burr removal. (not possible to put them on after flaring work)

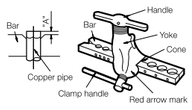


D Flaring work

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

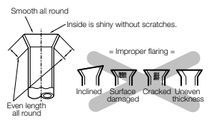
Outside diameter mm	Outside diameter inch	A mm
ø6.35	1/4	0~0.5
ø9.52	3/8	0~0.5
ø12.7	1/2	0~0.5
ø15.88	5/8	0~1.0

Firmly hold copper pipe in a die in the dimension shown in the table above.



E Check

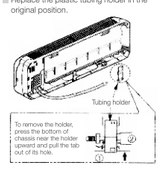
- Compare the flared work with figure below. If flare is noted to be defective, cut off the flared section and do flaring work again.



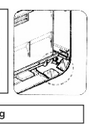
FLARING WORK AND CONNECTION OF PIPING

Connection of piping- Indoor

- Preparing the indoor unit's piping and drain hose for installation through the wall.
- Remove the plastic tubing retainer (see illustration below) and pull the tubing and drain hose away from chassis.
- Replace the plastic tubing holder in the original position.

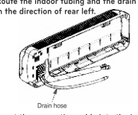


CAUTION
When install, make sure that the remaining parts must be removed clearly so as not to damage the piping and drain hose, especially power cord and connecting cable.



For left rear piping

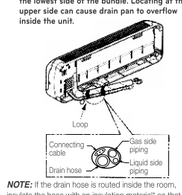
A Route the indoor tubing and the drain hose in the direction of rear left.



B Insert the connecting cable into the indoor unit from the outdoor unit through the piping hole.

- Do not connect the cable to the indoor unit.
- Make a small loop with the cable for easy connection later.

C Tape the tubing, drain hose and the connecting cable. Be sure that the drain hose is located at the lowest side of the bundle. Locating at the upper side can cause drain pan to overflow inside the unit.



NOTE: If the drain hose is routed inside the room, insulate the hose with an insulation material* so that dripping from "sweating"(condensation) will not damage furniture or floors.
*Foamed polyethylene or equivalent is recommended.

D Indoor unit installation

- Hook the indoor unit onto the upper portion of the installation plate.(Engage the two hooks of the rear top of the indoor unit with the upper edge of the installation plate.) Ensure that the hooks are properly seated on the installation plate by moving it left and right



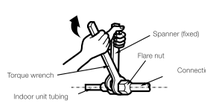
Press the lower left and right sides of the unit against the installation plate until the hooks engage into their slots (clicking-sound).

E Connecting the pipings to the indoor unit and drain hose to drain pipe.

- Align the center of the pipings and sufficiently tighten the flare nut by hand.

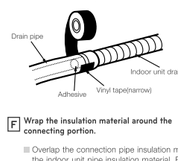
FLARING WORK AND CONNECTION OF PIPING

- Tighten the flare nut with a wrench.



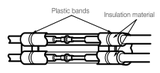
Capacity (Btu/h)	Pipe Size[Torque] GAS	Pipe Size[Torque] LIQUID
9K, 12K 18K, 24K, 26K	1/2"[5-5kg·m] 5/8"[6-6kg·m]	1/4"[1-8kg·m] 3/8"[4-2kg·m]

- When extending the drain hose at the indoor unit, install the drain pipe.

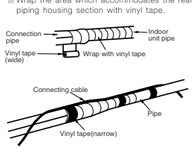


F Wrap the insulation material around the connecting portion.

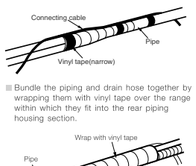
- Overlap the connection pipe insulation material and the indoor unit pipe insulation material. Bind them together with vinyl tape so that thee is no gap.



- Wrap the area which accommodates the rear piping housing section with vinyl tape.

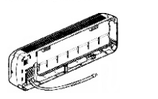


- Bundle the piping and drain hose together by wrapping them with vinyl tape over the range within which they fit into the rear piping housing section.

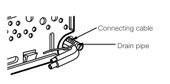


For right rear piping

A Route the indoor tubing and the drain hose to the required piping hole position.



B Insert the piping, drain hose and the connecting cable into the piping hole.



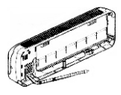
FLARING WORK AND CONNECTION OF PIPING

C Insert the connecting cable into the indoor unit.

- Don't connect the cable to the indoor unit.
- Make a small loop with the cable for easy connection later.

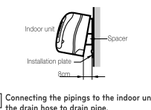
D Tape the drain hose and the connecting cable.

- Connecting cable



E Indoor unit installation

- Hang the indoor unit from the hooks at the top of the installation plate.
- Insert the spacer etc. between the indoor unit and the installation plate and separate the bottom of the indoor unit from the wall.



F Connecting the pipings to the indoor unit and the drain hose to drain pipe.

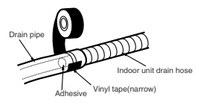
- Align the center of the pipings and sufficiently tighten the flare nut by hand.

- Tighten the flare nut with a wrench.



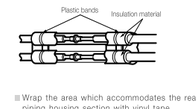
Capacity (Btu/h)	Pipe Size[Torque] GAS	Pipe Size[Torque] LIQUID
9K, 12K 18K, 24K, 26K	1/2"[5-5kg·m] 5/8"[6-6kg·m]	1/4"[1-8kg·m] 3/8"[4-2kg·m]

- When extending the drain hose at the indoor unit. install the drain pipe.

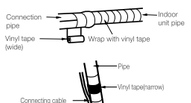


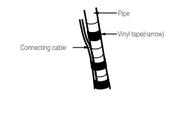
G Wrap the insulation material around the connecting portion.

- Overlap the connection pipe heat insulation and the indoor unit pipe heat insulation material. Bind them together with vinyl tape so that there is no gap.



- Wrap the area which accommodates the rear piping housing section with vinyl tape.



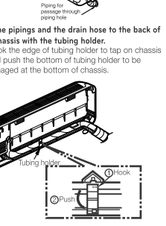


FLARING WORK AND CONNECTION OF PIPING

- Bundle the piping and drain hose together by wrapping them with cloth tape over the range within which they fit into the rear piping housing section.

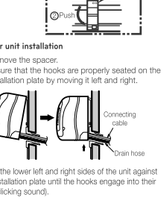


H Reroute the pipings and the drain hose across the back of the chassis.



I Set the pipings and the drain hose to the back of the chassis with the tubing holder.

- Hook the edge of tubing holder to tap on chassis and push the bottom of tubing holder to be engaged at the bottom of chassis.



J Indoor unit installation

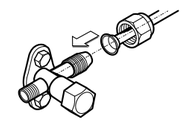
- Remove the spacer.
- Ensure that the hooks are properly seated on the installation plate by moving it left and right.



Press the lower left and right sides of the unit against the installation plate until the hooks engage into their slots(clicking sound).

Connection of the pipes-Outdoor

A Align the center of the pipings and sufficiently tighten the flare nut by hand.

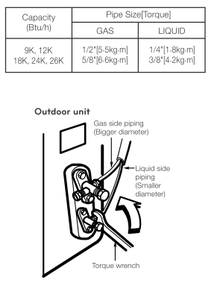


B Finally, tighten the flare nut with torque wrench until the wrench clicks.

- When tightening the flare nut with torque wrench, ensure the direction for tightening follows the arrow on the wrench.

Capacity (Btu/h)	Pipe Size[Torque] GAS	Pipe Size[Torque] LIQUID
9K, 12K 18K, 24K, 26K	1/2"[5-5kg·m] 5/8"[6-6kg·m]	1/4"[1-8kg·m] 3/8"[4-2kg·m]

Outdoor unit



CONNECTING THE CABLE BETWEEN INDOOR & OUTDOOR UNIT

Connect the cable from Indoor to outdoor unit.

■ **Connect the cable to the indoor unit by connecting the wires to the terminals on the control board individually according to the outdoor unit connection.**
(Ensure that the color of the wires of the outdoor unit and the terminal No. are the same as those of the indoor unit.)

• Cooling model (2.0 Ton)
• Cooling model (0.75, 0.9, 1.0 Ton)
• Cooling model (1.5 Ton)
Color of Wires
Color of Wires
Color of Wires