

Room Air Conditioner SERVICE MANUAL

CAUTION

- BEFORE SERVICING THE UNIT, READ THE SAFETY PRECAUTIONS IN THIS MANUAL.
- ONLY FOR AUTHORIZED SERVICE PERSONNEL.

MODEL: WG8000R, KG8000R, WG1000R, KG1000R, WG1200R, KG1200R,

Y5USC10-2R, Y5USC12-2R, Y5USC12-6R,

LWC1232PAS, HBLG1000R LWC1213PAS, HBLG1200R

HBLG8000R

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1. PREFACE

This SERVICE MANUAL provides various service information, including the mechanical and electrical parts etc. This room air conditioner was manufactured and assembled under a strict quality control system. The refrigerant is charged at the factory. Be sure to read the safety precautions prior to servicing the unit.

1.1 SAFETY PRECAUTIONS

- When servicing the unit, set the ROTARY SWITCH or POWER SWITCH to OFF and unplug the power cord.
- 2. Observe the original lead dress.

 If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- 3. After servicing the unit, make an insulation resistance test to protect the customer from being exposed to shock hazards.

1.2 INSULATION RESISTANCE TEST

- 1. Unplug the power cord and connect a jumper between 2 pins (black and white).
- 2. The grounding conductor (green) is to be open.
- Measure the resistance value with an ohm meter between the jumpered lead and each exposed metallic part on the equipment at all mode (except OFF).
- 4. The value should be over $1M\Omega$.

1.3 SPECIFICATIONS

MODELS		8000 Btu Series	10,000 Btu Series	12,000 Btu Series		
POWER SUPPLY	Y	1ø, 115, 60Hz			1ø, 220, 60Hz	
COOLING CAPA	.CITY (Btu/h)	8,000	10,000 12,000		000	
INPUT (W)		800	1,020	1,220		
RUNNING CURRENT (A)		7.3	9.2	11.0	5.5	
E.E.R (BTU/W.h)		10.0	9.8			
OPERATING	INDOOR (°C)	26.7(DB)* 19.4(WB)**				
CONDITION	OUTDOOR (°C)		35(DB)*	23.9(WB)**		
REFRIGERANT (R-22) CHARGE		385g (13.6 oz)		530g (18.7 oz)	555g (19.5 oz)	
FAN, INDOOR		BLOWER or TURBO FAN				
FAN, OUTDOOR	1	PROPELLER TYPE FAN WITH SLINGER-RING				
FAN SPEEDS, F.	AN/COOLING	3/3				
FAN MOTOR		6 POLES				
OPERATION CO	NTROL	TOUCH & REMOTE CONTROL				
ROOM TEMP. C	ONTROL	THERMISTOR				
AIR DIRECTION CONTROL		VERTICAL LOUVER (RIGHT & LEFT)				
		HORIZONTAL LOUVER (UP & DOWN)				
CONSTRUCTION		SLIDE IN-OUT CHASSIS				
PROTECTOR	COMPRESSOR	OVERLOAD PROTECTOR				
	FAN MOTOR	INTERNAL THERMAL PROTECTOR				
OUTSIDE DIMENSION	JTSIDE DIMENSION (inch) 181/2 x 137/8 x 2011/16 235/8 x 1431/3:		11/ ₃₂ x 22 ⁵ / ₁₆			
(W x H x D) (mm)		470 x 3	53 x 525	600 x 380 x 567		

NOTE: Specifications are subject to minor change without notice for further improvement.

^{*} DB:Dry Bulb **WB:Wet Bulb

1.4 FEATURES

- Designed for COOLING ONLY.
- · Powerful and whispering cooling.
- Slide-in and slide-out chassis for the simple installation and service.
- · Side air-intake, side cooled-air discharge.
- · Washable one-touch filter
- · Compact size
- Reliable and efficient rotary compressor is equipped.

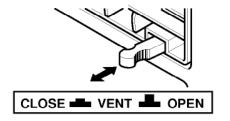
1.5 CONTROL LOCATIONS 1.5.1 COOLING ONLY MODEL

VENTILATION

The ventilation lever must be in the CLOSE position in order to maintain the best cooling conditions.

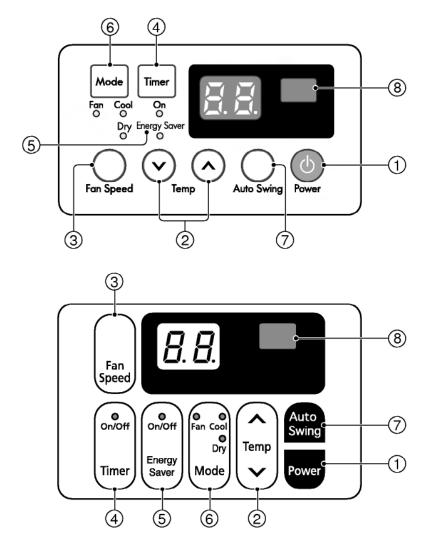
When a fresh air is necessary in the room, set the ventilation lever OPEN position.

The damper is opened and room air is exhausted.



1.5.2 COOLING ONLY MODEL WITH REMOTE CONTROL AND TOUCH TYPE

DISPLAY



REMOTE CONTROLLER

Precaution: The Remote Controller will not function properly if strong light strikes the sensor window of the air conditioner or if there are obstacles between the Remote Controller and the air conditioner.

Power

Temp ▲

Fan Speed

Mode

Auto Swing

Timer

Energy

Saver

/ POWER -

- To turn the air conditioner ON, push the button. To turn the air conditioner OFF, push the button again.
- This button takes priority over any other buttons.
- When you first turn it on, the air conditioner is on the High cool mode and the temp. at 72°F(22°C).

2 TEMPERATURE SETTING -

This button can automatically control the temperature of the room.
 The temperature can be set within a range of 60°F to 86°F by 1°F.
 (16°C to 30°C by 1°C)

Select the lower number for lower temperature of the room.

3 FAN SPEED

Everytime you push this button it is set as follows. {High(F3) → Low(F1) → Med(F2) → High(F3)...}.

♦ ON/OFF TIMER

- STOPPING OPERATION
- Everytime you push this button, when the air conditioner is operating, timer is set as follows. (1Hour → 2Hours → 3Hours → 4Hours → 5Hours → 6Hours → 7Hours → 8Hours → 9Hours → 10Hours → 11Hours → 12Hours → Cancel)
- The Setting Temperature will be raised by 2°F (1°C) 30min. later and by 2°F (1°C) after another 30 min.
- STARTING OPERATION
- Everytime you push this button, when the air conditioner is not operating, timer is set as follow. (1Hour → 2Hours → 3Hours → 4Hours → 5Hours → 6Hours → 7Hours → 8Hours → 9Hours → 10Hours → 11Hours → 12Hours → Cancel)

5 ENERGY SAVER (AVAILABLE IN SOME MODELS) -

 If the switch is set to "On", the fan stops when the compressor stops cooling. Approximately every 3 minutes the fan will turn on and check the room air to determine if cooling is needed.

6 MODE -

• Everytime you push this button, it will toggle between COOL, FAN and DRY.

7 AUTO SWING -

· This button can automatically control the air flow direction.

8 REMOCON SIGNAL RECEIVER

AUTO RESTART

In failure of electric power, the unit runs as previous setting operation. (Available in some models)