

# Room Air Conditioner SERVICE MANUAL

### CAUTION

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

MODEL: LC6000, LC8000, LC1000Y3, LC1200Y3 LEA0610ACL, LEA0810ACL LEA1010ACLY3, LEA1210ACL HBLG1000CY3

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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.

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# **1.1 SAFETY PRECAUTIONS**

- 1. 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.
- 3. Measure the resistance value with an ohm meter between the jumpered lead and each exposed metallic part on the equipment at all the positions (except OFF) of the ROTARY SWITCH.
- 4. The value should be over  $1M\Omega.$

# **1.3 SPECIFICATIONS**

#### 1.3.1 FOR LC6000/LC8000/LC1000Y3/LC1200Y3/LEA0610ACL/LEA0810ACL/LEA1010ACLY3/ LEA1210ACL/HBLG1000CY3

ITEMS		MODELS	LC6000 LEA0610ACL	LC8000 LEA0810ACL	LC1000Y3 LEA1010ACLY3 HBLG1000CY3	LC1200Y3 LEA1210ACL
POWER SUPPLY				115V	, 60Hz	
COOLING CAPACI	ΤY	(Btu/h)	6,000	8,000	10,000	12,000
INPUT		(W)	630	840	1,050	1,260
RUNNING CURREI	NT	(A)	5.8	7.7	9.6	11.5
E.E.R		(BTU/W·h)		9	.5	
OPERATING	IND	OOR (°C)		26.7(DB)*	19.4(WB)**	
CONDITION	OUT	DOOR (°C)		35(DB)*	23.9(WB)**	
REFRIGERANT (R-	-22) C⊦	IARGE	280g(9.9 oz)	460g(16.2 oz)	530g(18.7 oz)	510g(18.0 oz)
EVAPORATOR			2 ROW 16 STACK	S, SLIT FIN TYPE	3 ROW 16 STACK	S, SLIT FIN TYPE
			1 ROW 23 STACKS,	2	ROW 23 STACK	S,
CONDENSER			SLIT FIN TYPE		LOUVER FIN TYP	E
FAN, INDOOR			TURBO FAN			
FAN, OUTDOOR			AXIAL FAN			
FAN SPEEDS, FAN	I/COOL	.ING	2/3			
FAN MOTOR			6 POLES			
OPERATION CONT	FROL		ROTARY SWITCH			
ROOM TEMP. CON	ITROL			THERM	IOSTAT	
AIR DIRECTION CO		NI.		VERTICAL LOUVE	R (RIGHT & LEFT)	
AIR DIRECTION CO			H	HORIZONTAL LOU	VER (UP & DOWN	)
CONSTRUCTION			TOP-DOWN CHASSIS			
PROTECTOR	СОМ	PRESSOR	OVERLOAD PROTECTOR			
FROTECTOR	FAN I	MOTOR	INTERNAL THERMAL PROTECTOR			
POWER CORD			3 WIRE WITH GROUNDING			
FOWER CORD			ATTACHMENT PLUG (CORD-CONNECTED TYPE)			
DRAIN SYSTEM			DRAIN PIPE SPLASHED BY FAN SLINGER			ER
NET WEIGHT		(lbs/kg)	57/26	66/30	77/35	79/36
OUTSIDE DIMENS	ION	(inch)	14 <sup>1</sup> / <sub>2</sub> x 20 <sup>1</sup> / <sub>2</sub> x 23 <sup>3</sup> / <sub>5</sub>			
(W x H x D) (mm)				368 x 5	21 x 607	

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\* DB:Dry Bulb \*\*WB:Wet Bulb

# **1.4 FEATURES**

- Designed for COOLING ONLY.
- Powerful and whispering cooling.
- Simple installation and service.
- Low air-intake, top cooled-air discharge.

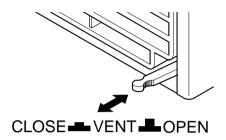
### 1.5 CONTROL LOCATIONS 1.5.1 COOLING ONLY MODEL

#### 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.

- Built-in adjustable THERMOSTAT
- Washable one-touch filter
- Compact size
- Reliable and efficient rotary compressor is equipped.



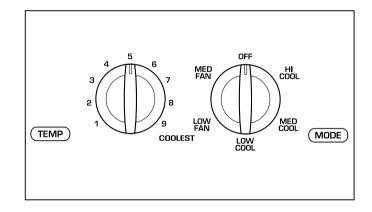
#### • TEMP

Thermostat will automatically control the temperature of the room. Select a higher number for a cooler temperature in the room. The temperature is selected by moving the knob to the desired position.

The **5** or **6** position is a normal setting for average conditions.

#### • MODE

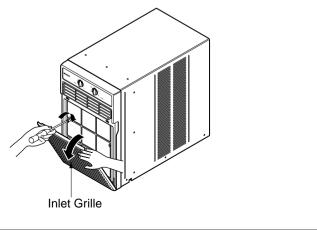
- OFF Turns air conditioner off.
- **MED** Med speed fan operation without cooling.
- LOW Low speed fan operation without cooling.
- HI Cooling with high speed fan operation.
- $\underset{\text{COOL}}{\text{MED}}$  Cooling with med speed fan operation.
- LOW Cooling with low speed fan operation.



# NOTE!

Before using the air conditioner secure the front grille with two screws enclosed with the owner's manual.

- 1. Open the inlet grille downward and remove the air filter.
- 2. Fasten the front grille with screws.
- 3. Reinstall the air filter.
- 4. Close the inlet grille.



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# 2. DISASSEMBLY INSTRUCTIONS

- Before the following disassembly, set POWER SWITCH to OFF and disconnect the power cord.

# 2.1 MECHANICAL PARTS

#### 2.1.1 FRONT GRILLE

- 1. Open the inlet grille downward and remove the air filter.
- 2. Remove the screws which fasten the front grille.(See Figure 1)
- 3. Pull the front grille from the right side.
- 4. Remove the front grille.(There are 4 hooks.)
- 5. Re-install the components by referring to the removal procedure, above.

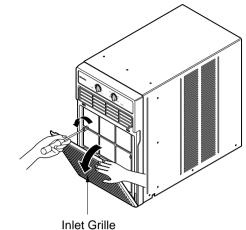
#### 2.1.2 CABINET

- 1. After disassembling the FRONT GRILLE, remove the 6 screws which fasten the cabinet at both sides.(See Figure 2)
- 2. Remove the 4 screws which fasten the cabinet at back.
- 3. Remove the cabinet.
- 4. Re-install the components by referring to the removal procedure, above.

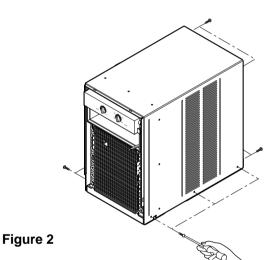
#### 2.1.3 CONTROL BOX

- 1. Remove the front grille. (Refer to section 2.1.1)
- 2. Remove the cabinet. (Refer to section 2.1.2)
- 3. Remove the 1 screw which fasten the power cord. (See Figure 3)
- 4. Disconnect the grounding screw from the evaporator channel.
- 5. Remove the 2 screws which fasten the control box.(See Figure 3)
- 6. Remove the housing which connects motor wire in the control box.
- 7. Remove three leads which connect compressor.
- 8. Discharge the capacitor by placing a 20,000 ohm resistor across the capacitor terminals.
- 9. Raise the control box upward completely.
- 10. Re-install the components by referring to the removal procedure, above.

(Refer to the circuit diagram found on pages 21~22 in this manual and on the control box.)







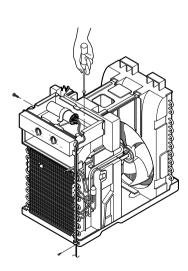


Figure 3

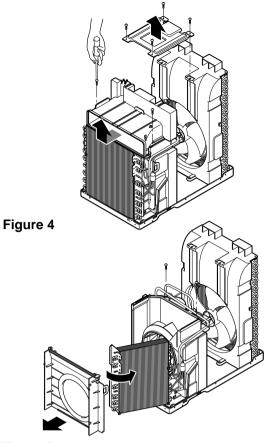
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### 2.2 AIR HANDLING PARTS 2.2.1 AIR GUIDE AND TURBO FAN

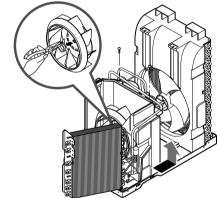
- 1. Remove the front grille. (Refer to section 2.1.1)
- 2. Remove the cabinet. (Refer to section 2.1.2)
- 3. Remove the control box. (Refer to section 2.1.3)
- 4. Remove the 4 screws which fasten the brace.
- 5. Remove the brace.
- 6. Remove the 2 screws which fasten the upper air guide. (See Figure 4)
- 7. Remove the upper air guide.
- 8. Remove the 2 screws which fasten the evaporator.
- 9. Move the evaporator forward and pulling it upward slightly. (See Figure 5)
- 10. Remove orifice by pulling two taps.
- 11. Remove the clamp with a hand plier which secures the turbo fan.
- 12. Remove the turbo fan. (See Figure 6)
- 13. Remove the motor. (Refer to section 2.3.7)
- 14. Remove the 2 screws which fasten the lower air guide from the base pan.
- 15. Remove the 2 screws which fasten the motor mount from the base pan.
- 16. Remove the 2 screws which fasten the lower air guide and motor mount.
- 17. Move the lower air guide backward and pull out from the base pan. (Move the lower air giude carefully.)
- 18. Re-install the components by referring to the removal procedure, above.

#### 2.2.2 FAN

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. Remove the brace (Refer to section 2.2.1)
- 3. Remove 6 screws which fasten the condenser.
- 4. Move the condenser to the right carefully.
- 5. Remove the clamp with a hand plier which secures the fan.
- 6. Remove the fan. (See Figure 7)
- 7. Re-install by referring to the removal procedure.







#### Figure 6

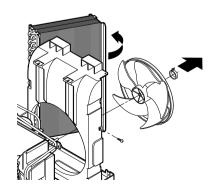


Figure 7

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#### 2.2.3 SHROUD

- 1. Remove the fan. (Refer to section 2.2.2)
- 2. Remove the shroud. (See Figure 8)
- 3. Re-install the components by referring to the removal procedure, above.

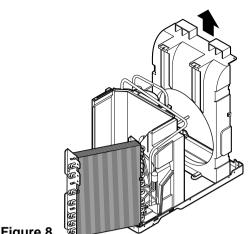


Figure 8

# 2.3 ELECTRICAL PARTS

#### 2.3.1 OVERLOAD PROTECTOR

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. Remove the nut which fastens the terminal cover.
- 3. Remove the terminal cover. (See Figure 9)
- 4. Remove all the leads from the overload protector.
- 5. Remove the overload protector.
- 6. Re-install the components by referring to the removal procedure, above.

#### 2.3.2 COMPRESSOR

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. Discharge the refrigerant system using a Freon<sup>™</sup> Recovery System.

If there is no valve to attach the recovery system, install one (such as a WATCO A-1) before venting the Freon<sup>™</sup>. Leave the valve in place after servicing the system.

- 3. Remove the overload protector. (Refer to section 2.3.1)
- 4. After purging the unit completely, unbraze the suction and discharge tubes at the compressor connections.
- 5. Remove the 3 nuts and the 3 washers which fasten the compressor.
- 6. Remove the compressor. (See Figure 10)
- 7. Re-install the components by referring to the removal procedure, above.

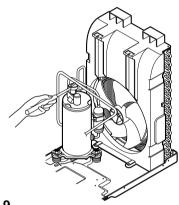


Figure 9

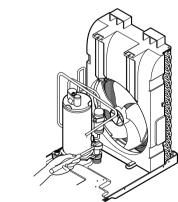


Figure 10

#### 2.3.3 CAPACITOR

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. Remove the screw and the clamp which fastens the capacitor.
- 3. Disconnect all the leads of capacitor terminals.
- 4. Re-install the components by referring to the removal procedure, above. (See Figure 11)

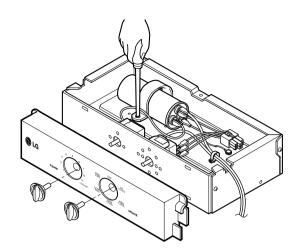
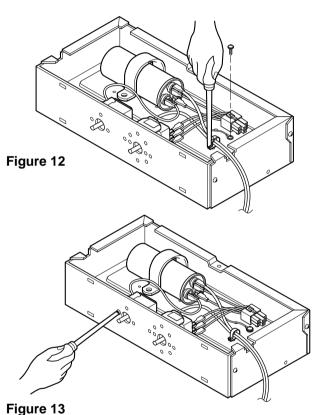
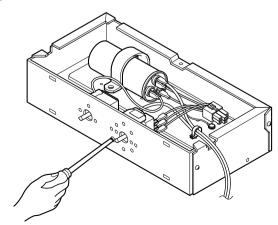


Figure 11





#### Figure 14

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#### 2.3.4 POWER CORD

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. Disconnect the grounding screw from the control box.
- 3. Disconnect the 2 receptacles.
- 4. Remove a screw which fastens the clip cord. (See Figure 12)
- 5. Remove the power cord.
- 6. Re-install the component by referring to the above removal procedure, above.
  (Use only one ground-marked hole ) for ground connection.)
- 7. If the supply cord of this appliance is damaged, it must be replaced by the special cord. (The special cord means the cord which has the same specification marked on the supply cord attached at the unit.)

#### 2.3.5 THERMOSTAT

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. Remove the 2 screws which fasten the thermostat.
- 3. Disconnect 2 leads of thermostat terminals.
- 4. Remove the thermostat.
- 5. Re-install the components by refering to the above removal procedure. (See Figure 13)

#### 2.3.6 ROTARY SWITCH

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. Remove the 2 screws which fasten the rotary switch.
- 3. Disconnect all the leads of the rotary switch terminals.
- 4. Remove the rotary switch.
- 5. Re-install the components by referring to the above removal procedure. (See Figure 14)

#### 2.3.7 MOTOR

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. Remove the turbo fan. (Refer to section 2.2.1)
- 3. Remove the fan. (Refer to section 2.2.2)
- 4. Remove the 4 screws which fasten the motor from the Motor Mount. (See Figure 15)
- 5. Remove the motor.
- 6. Re-install the components by referring to the removal procedure, above.(See Figure 15)

### 2.4 REFRIGERATING CYCLE 2.4.1 CONDENSER

### CAUTION

Discharge the refrigerant system using a Freon<sup>™</sup> Recovery System. If there is no valve to attach the recovery system, install one (such as a WATCO A-1) before venting the Freon<sup>™</sup>. Leave the valve in place after servicing the system.

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. Remove the 4 screws which fasten the brace.
- 3. Remove the 4 screws which fasten the condenser and shroud. (See Figure 16)
- 4. Remove the 2 screws which fasten the condenser and base pan.
- 5. After discharging the refrigerant completely, unbraze the interconnecting tube at the condenser connections.
- 6. Remove the condenser.
- 7. Re-install the components by referring to notes. (See Figure 16)

#### 2.4.2 EVAPORATOR

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. Remove the control box.(Refer to section 2.1.3)
- 3. Remove the upper air guide. (Refer to section 2.2.1)
- 4. Remove the 2 screws which fasten the evaporator from lower air guide.
- 5. Move the evaporator sideways carefully. (Refer to section 2.2.1)
- 6. After discharging the refrigerant completely, unbraze the interconnecting tube at the evaporator connections.
- 7. Remove the evaporator.
- 8. Re-install the components by referring to notes. (See Figure 17)

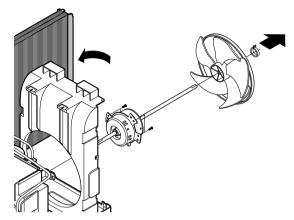
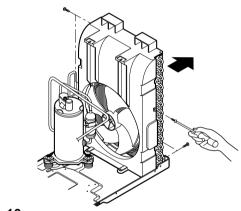
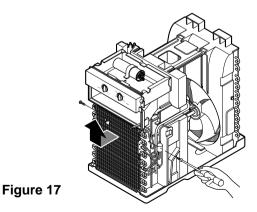


Figure 15







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#### 2.4.3 CAPILLARY TUBE

- 1. Remove the cabinet. (Refer to section 2.1.2)
- 2. After discharging the refrigerant completely, unbraze the interconnecting tube at the capillary tube.(See caution above)

#### NOTES

- Replacement of the refrigerant.

 When replacing the refrigerant, be sure to Discharge the refrigerant system using a Freon<sup>™</sup> recovery System.

If there is no valve to attach the recovery system, install one (such as a WATCO A-1) before venting the Freon<sup>™</sup>. Leave the valve in place after servicing the system.

- 2. After discharging the unit completely, remove the desired component, and unbraze the pinch-off tubes.
- 3. Solder service valves into the pinch-off tube ports, leaving the valves open.
- 4. Solder the pinch-off tubes with Service valves.
- 5. Evacuate as follows.
  - 1) Connect the vacuum pump, as illustrated figure 18A.
  - Start the vacuum pump, slowly open manifold valves A and B with two full turns counterclockwise and leave the valves open. The vacuum pump is now pulling through valves A and B up to valve C by means of the manifold and entire system.

#### CAUTION

If high vacuum equipment is used, adjust valves A and B so they are opened only slightly for a few minutes, then open slowly with the two full turns counterclockwise. This will keep oil from foaming and being drawn into the vacuum pump.

- 3) Operate the vacuum pump for 20 to 30 minutes, until 600 microns of vaccum is obtained. Close valves A and B, and observe vacuum gauge for a few minutes. A rise in pressure would indicate a possible leak or moisture remaining in the system. With valves A and B closed, stop the vacuum pump.
- Remove the hose from the vacuum pump and place it on the charging cylinder. See figure 18B.
  - Open valve C.

Discharge the line at the manifold connection.

5) The system is now ready for final charging.

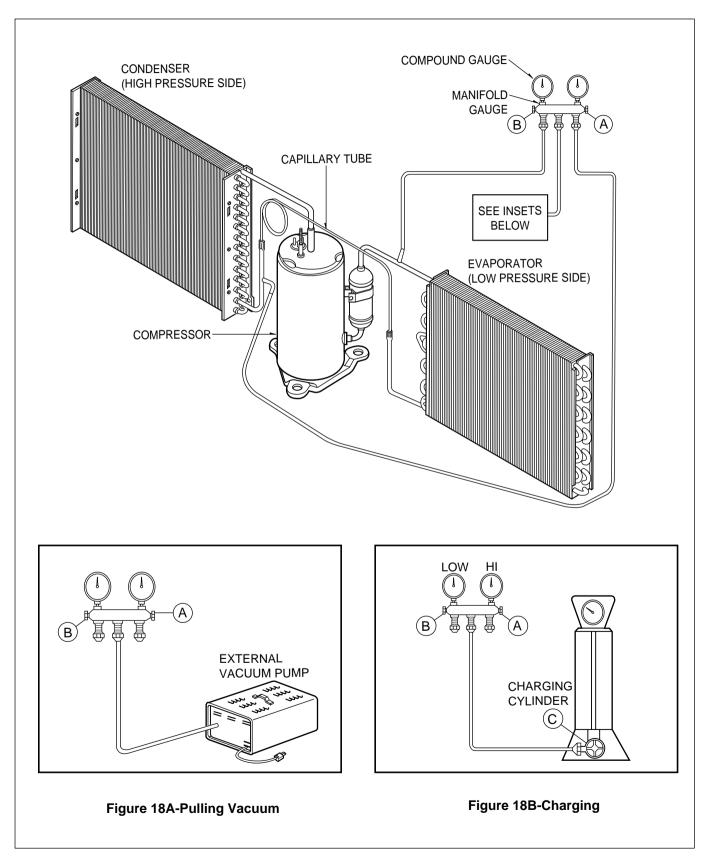
- 3. Remove the capillary tube.
- 4. Re-install the components by referring to notes.

- 6. Recharge as follows :
  - Refrigeration cycle systems are charged from the High-side. If the total charge cannot be put in the High-side, the balance will be put in the suction line through the access valve which you installed as the system was opened.
  - 2) Connect the charging cylinder as shown in figure 18B.

With valve C open, discharge the hose at the manifold connection.

- 3) Open valve A and allow the proper charge to enter the system. Valve B is still closed.
- 4) If more charge is required, the high-side will not take it. Close valve A.
- 5) With the unit running, open valve B and add the balance of the charge.
  - a. Do not add the liquid refrigerant to the Lowside.
  - b. Watch the Low-side gauge; allow pressure to rise to 30 lbs.
  - c. Turn off valve B and allow pressure to drop.
  - d. Repeat steps b. and c. until the balance of the charge is in the system.
- 6) When satisfied the unit is operating correctly, use the pinch-off tool with the unit still running and clamp on to the pinch-off tube. Using a tube cutter, cut the pinch-off tube about 2 inches from the pinch-off tool. Use sil-fos solder and solder pinch-off tube closed. Turn off the unit, allow it to set for a while, and then test the leakage of the pinch-off connection.

**Equipment needed:** Vacuum pump, Charging cylinder, Manifold gauge, Brazing equipment. Pin-off tool capable of making a vapor-proof seal, Leak detector, Tubing cutter, Hand Tools to remove components, Service valve.



# **3. INSTALLATION**

# 3.1 HOW TO INSTALL THE UNIT

- 1. To avoid vibration and noise, make sure the unit is installed securely and firmly.
- 2. Install the unit where the sunlight does not shine directly on the unit.

If the unit receives direct sunlight, build an awning to shade the cabinet.

- There should be no obstacle, like a fence, within 20" which might restrict heat radiation from the condenser.
- 4. To prevent reducing performance, install the unit so that louvers of the cabinet are not blocked.
- 5. Install the unit a little obliquely outward not to leak the condensed water into the room (about 1/4").
- 6. Install the unit with its bottom portion 30~60" above the floor level.
- 7. Stuff the foam between the top of the unit and the wall to prevent air and insects from getting into the room.
- 8. The power cord must be connected to an independent circuit. The green wire must be grounded.
- Connect the drain tube to the base pan hole in the rear side if you need to drain (consult a dealer).
   Plastic hose or equivalent may be connected to the drain tube.

# **3.2 CHECKING INSTALLATION**

The setting conditions must be checked prior to initial starting.

The items mentioned below are especially important checking points when the installation is finished.

- 1. Grounding wire (Green or Green and Yellow) is provided in the power cord. The green wire must be grounded.
- 2. Connect to a single-outlet 15A circuit.
- 3. To avoid vibration or noise, make sure the air conditioner is installed securely.
- 4 Avoid placing furniture or draperies in front of the air inlet and outlet.

### 3.3. HOW TO DRAIN (When using drain pipe)

The air conditioner must be installed horizontally or tilted slightly to the outside for proper water drainage.

On exceptionally hot and humid days the air conditioner may overflow condensed water. If the air conditioner is used in hot and a high humidity zone, exchange the ① DRAIN CAP for the ② DRAIN PIPE.(See Figure 20, Figure 21)

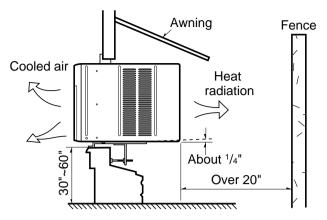
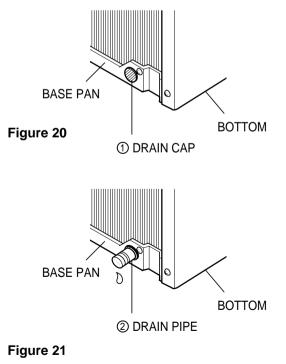
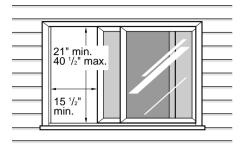


Figure 19



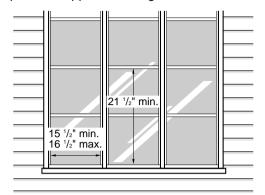
# **3.4 WINDOW REQUIREMENTS**

- 1. These instructions are for a horizontal sliding or a casement window.
- 2. The electrical outlet must be within reach of the power cord.



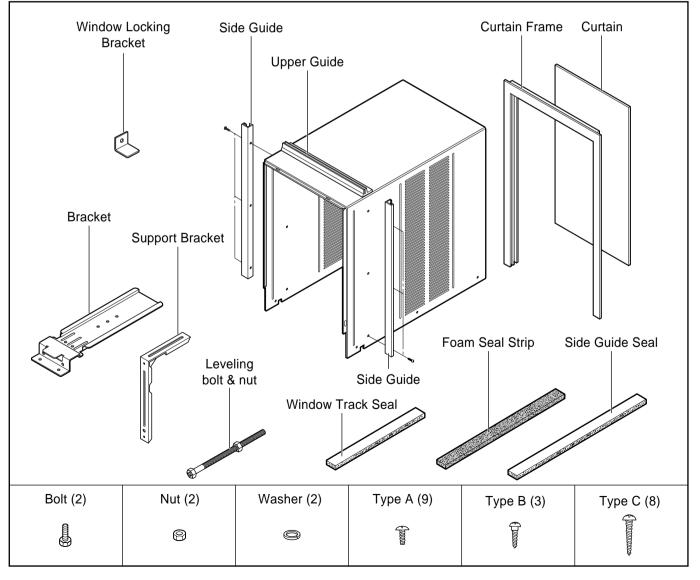
Horizontal sliding window

# For installation in a casement window, the window frame assembly and the side of the building must be adequate to support the weight of the air conditioner.



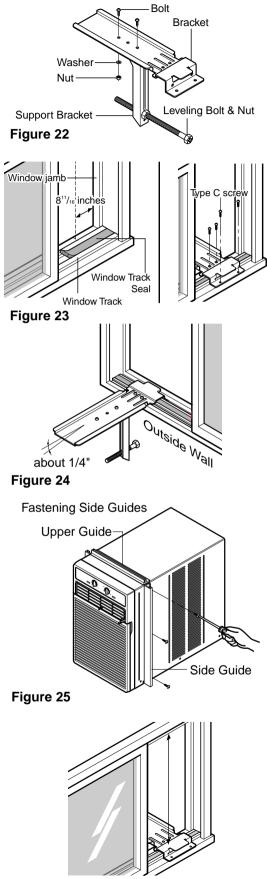
**Casement window** 

# **3.5 INSTALLATION KITS CONTENTS**



# 3.6 HORIZONTAL SLIDING WINDOW INSTALLATION

- 1. Loosely attach the Support Bracket to the bottom of Bracket using Bolts, Washers, and Nuts. Attach the Leveling bolt and nut. (See Figure 22)
- 2. Remove protective backing from Window Track Seal and apply seal to window track. (See Figure 23)
- Measure and lightly mark a line 8-1/4 inches from window jamb. Center the Support Bracket assembly on the window track and fasten with 4 Type C screws. (See Figure 23)
- 4. Put the Support Bracket against the outside wall and tighten the Bolts on top of the Bracket. Adjust the Leveling Bolt so that the air conditioner will be installed with a very slight tilt (about 1/4") downward toward the outside for proper drainage. Tighten the nut. (See Figure 24)
- NOTE: DO NOT drill a hole in the bottom of the base pan. The air conditioner is designed to operate with the bottom of the base pan approximately half-full of water.
- 5. Fasten Side Guides to the sides of the Air Conditioner using 3 Type A screws per Guide. Start with first screw at middle of Guide. (See Figure 25)
- Fasten Upper Guide on the top of the Air Conditioner using 3 Type A screws. (See Figure 25)
- Measure height of window opening from top of Bracket assembly as shown Fig. 26. Subtract 20-3/4 inches. Mark this measurement on Curtain and cut the Curtain. (See Figure 26)

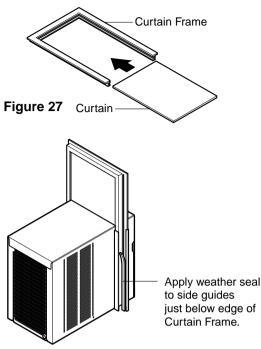




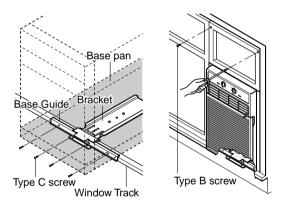
- 8. Slide Curtain into Curtain Frame. Slide Curtain Frame assembly into side Guides of the Air Conditioner cabinet. Make sure Curtain is firmly enclosed on all sides by the Frame. (See Figure 27)
- Out side Guide seal into 2 equal lengths. Remove protective backing and apply it to the rear side of cabinet Side Guides, starting just below Curtain Frame assembly. Pinch off excess length so seal is even with the bottom of side Guide. (See Figure 28)
- 10. Place Air Conditioner in window opening. It should sit on Bracket assembly so that Curtain Frame and cabinet Side Guides are against top and side window jambs. Mate front of Bracket with Base Guide attached to the bottom of base pan.
- 11. Drill 1/8 inch holes in window track through the existing holes on Base Guide. Screw 4 Type C screws through the holes. (See Figure 29)
- 12. If this is a casement window installation, proceed to Casement Window Installation. If not, slide inner window sash firmly against side of the cabinet.
- Drill 1/8 inch hole in window jamb to align with the existing holes in the Curtain Frame. Attach Curtain Frame to window frame with 2 Type B screws. (See Figure 29)
- NOTE: Check all seals and plug any remaining air gaps with a suitable weatherproof caulk.
- 14. If this is a casement window installation, proceed to Casement Window Installation. If not, stuff the Foam Seal Strip between the vertical sash and the window glass. (See Figure 30)
- 15. Attach the Window Locking Bracket with a Type B screw. (See Figure 30)

# 3.7 CASEMENT WINDOW INSTALLATION

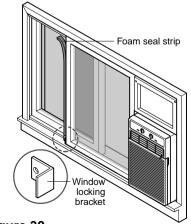
- Installation procedure is the same as that described in steps 1 through 11 and step 13 of the Horizontal Sliding Window installation.
- If the window opening is wider than 15-3/4 inches you will need to install a filler panel. Make this panel from 3/4 inch thick wood and run it the full length of the window. Attach it securely to the window frame and paint it to protect it from the weather.
- Since styles and sizes of casement windows vary widely, it is advisable to have the air conditioner installed by someone skilled in this type of installation.







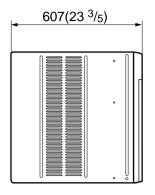


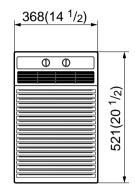




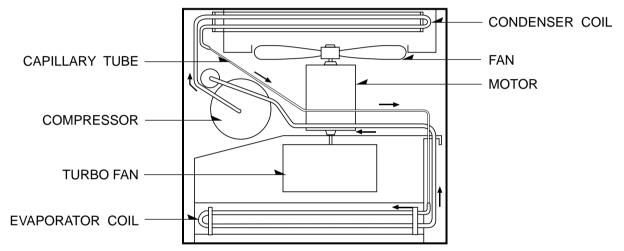
# 4. TROUBLESHOOTING GUIDE 4.1 OUTSIDE DIMENSIONS

Unit: mm(inchs)

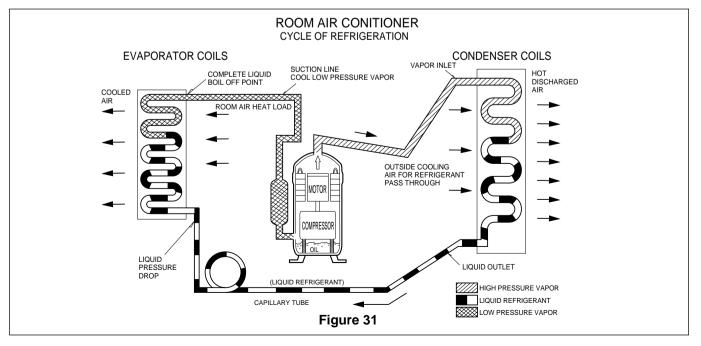




### 4.2 PIPING SYSTEM



Following is a brief description of the important components and their functions in the refrigeration system. Refer to Fig. 31 to follow the refrigeration cycle and the flow of the refrigerant in the cooling cycle.

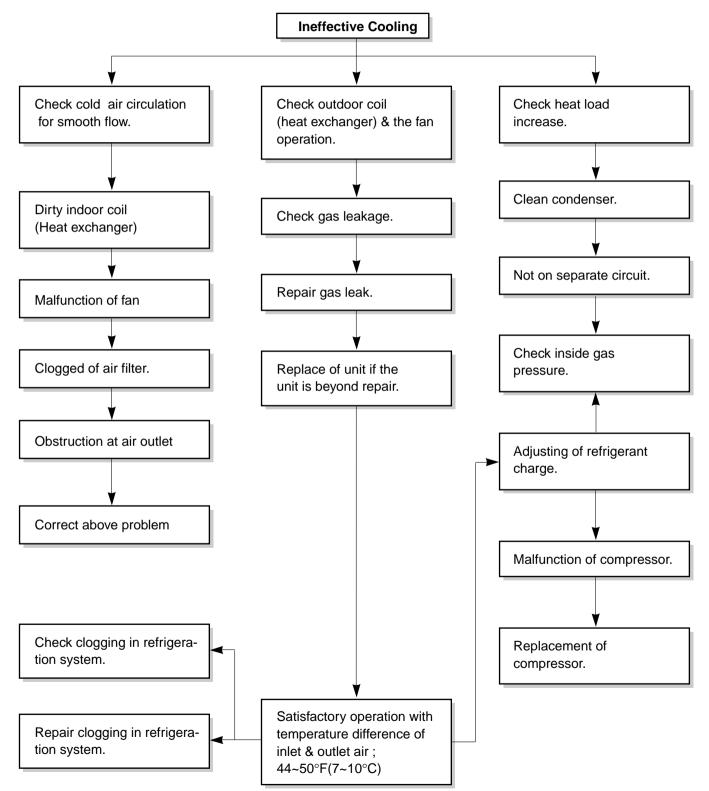


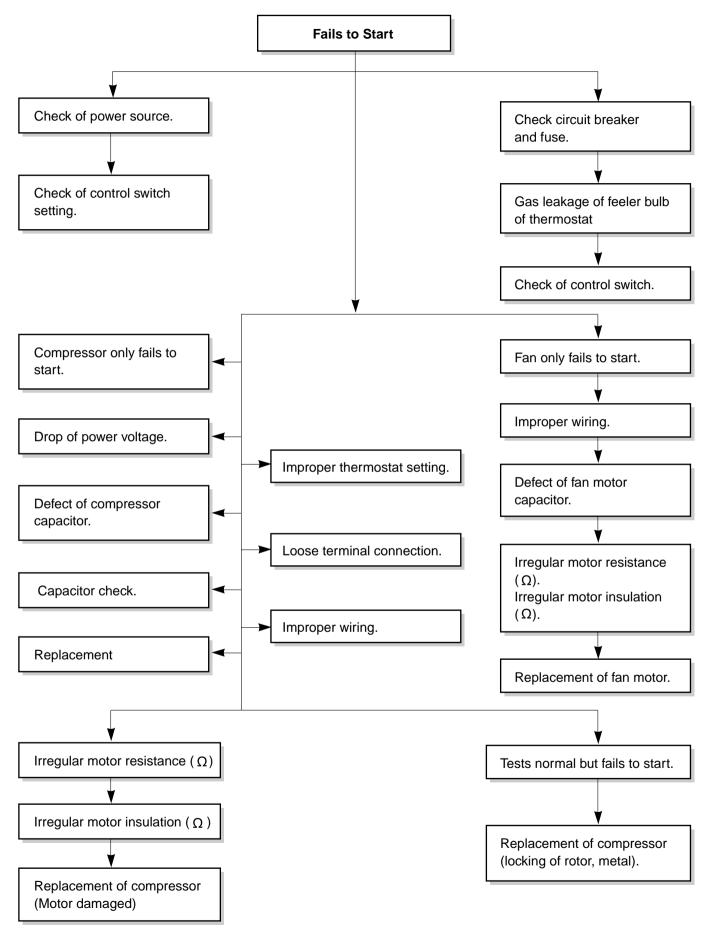
# **4.3 TROUBLESHOOTING GUIDE**

In general, possible trouble is classified in two kinds.

The one is called Starting Failure which is caused from an electrical defect, and the other is ineffective Air Conditioning caused by a defect in the refrigeration circuit and improper application.

#### Unit runs but poor cooling.





# **ROOM AIR CONDITIONER VOLTAGE LIMITS**

NAME PLATE RATING	MINIMUM	MAXIMUM
115V ±10%	103.5V	126.5V

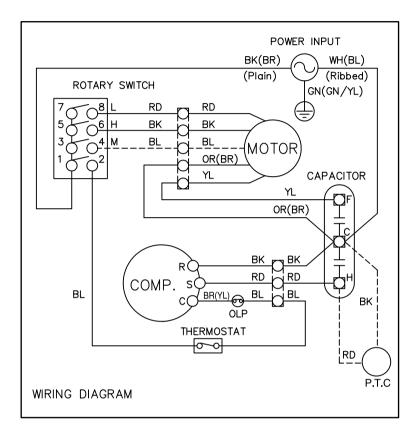
COMPLAINT	CAUSE	REMEDY		
Fan motor will not run.	No power	Check voltage at outlet. Correct if none.		
	Power supply cord	Check voltage to rotary switch. If none, check power supply cord. Replace cord if circuit is open.		
	Rotary switch	Check switch continuity. Refer to wiring diagram for terminal identification. Replace switch if defective.		
	Wire disconnected or connection loose	Connect wire. Refer to wiring diagram for terminal identification. Repair or replace loose terminal.		
	Capacitor (Discharge capacitor before testing.)	Test capacitor. Replace if not within ±10% of manufacturer's rating. Replace if shorted, open, or damaged.		
	Will not rotate	Fan blade hitting shroud or blower wheel hitting scroll. Realign assembly.		
		Units using slinger ring for condenser fan must have $1/4$ to $5/16$ inch clearance to the base. If it hits the base, shim up the bottom of the fan motor with mounting screw(s).		
		Check fan motor bearings; if motor shaft will not rotate, replace the motor.		
Fan motor runs	Revolves on overload.	Check voltage. If not within limits, call an electrician.		
intermittently		Test capacitor. Check bearings. Does the fan blade rotate freely? If not, replace fan motor.		
		Pay attention to any change from high speed to low speed. If the speed does not change, replace the motor.		
Fan motor noise.	Fan	If cracked, out of balance, or partially missing, replace it.		
	Blower	If cracked, out of balance, or partially missing, replace it.		
	Loose clamper	Tighten it.		
	Worn bearings	If knocking sounds continue when running or loose, replace the motor. If the motor hums or noise appears to be internal while running, replace motor.		
Compressor will not run, but fan motor runs.	Voltage	Check voltage. If not within limits, call an electrician.		
	Wiring	Check the wire connections, if loose, repair or replace the terminal. If wires are off, refer to wiring diagram for identification, and replace. Check wire locations. If not per wiring diagram, correct.		
	Rotary	Check for continuity, refer to the wiring diagram for terminal identification. Replace the switch if circuit is open.		

COMPLAINT	CAUSE	REMEDY		
Compressor will not run, but fan motor runs.	Thermostat	Check the position of knob If not at the coldest setting, advance the knob to this setting and restart unit. Check continuity of the thermostat. Replace thermostat if circuit is open.		
	Capacitor (Discharge capacitor before servicing.)	Check the capacitor. Replace if not within ±10% of manufacturers rating. Replace if shorted, open, or damaged.		
	Compressor	Check the compressor for open circuit or ground. If open or grounded, replace the compressor.		
	Overload	Check the compressor overload, if externally mounted. Replace if open. (If the compressor temperature is high, remove the overload, cool it, and retest.)		
Compressor cycles on overload.	Voltage	Check the voltage. If not within limits, call an electrician.		
	Overload	Check overload, if externally mounted. Replace if open. (If the compressor temperature is high, remove the overload, cool, and retest.)		
Compressor cycles on overload.	Fan motor	If not running, determine the cause. Replace if required.		
	Condenser air flow restriction	Remove the cabinet. inspect the interior surface of the condenser; if restricted, clean carefully with a vacuum cleaner (do not damage fins) or brush. Clean the interior base before reassembling.		
	Condenser fins (damaged)	If condenser fins are closed over a large area on the coil surface, head pressures will increase, causing the compressor to overload. Straighten the fins or replace the coil.		
Compressor cycles on	Capacitor	Test capacitor.		
overload.	Wiring	Check the terminals. If loose, repair or replace.		
	Refrigerating system	Check the system for a restriction.		
Insufficient cooling or	Air filter	If restricted, clean or replace.		
heating	Exhaust damper door	Close if open.		
	Unit undersized	Determine if the unit is properly sized for the area to be cooled.		
Excessive noise	Blower or fan	Check the set screw or clamp. If loose or missing, correct. If the blower or fan is hitting air guide, rearrange the air handling parts.		
	Copper tubing	Remove the cabinet carefully and rearrange tubing not to contact cabinet, compressor, shroud, and barrier.		

# **5. SCHEMATIC DIAGRAM**

# 5.1 CIRCUIT DIAGRAM

■ MODEL : LC6000, LC1000Y3, LC1200Y3, LEA0610ACL, LEA1010ACLY3, LEA1210ACL, HBLG1000CY3

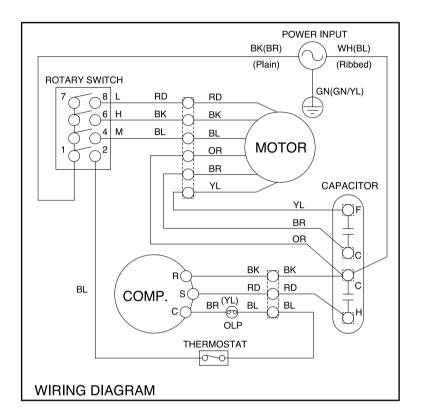


S: Service Parts N: Non Service Parts

		PART NO.				RE-	
LOCATION NO.	DESCRIPTION	LC6000 LEA0610ACL	LC1000Y3 LEA1010ACLY3 HBLG1000CY3	LC1200Y3 LEA1210ACL	Q'TY PER SET	MARKS	
1	POWER CORD	6411A20011L	6411A20011N	6411A20011P	1	S	
2	ROTARY SWITCH		1	S			
3	FAN MOTOR	4681A20069B 4681A20069C			1	S	
4	CAPACITOR	6210AR2359V	6120AR2194P	0CZZA20001N	1	S	
5	THERMOSTAT	2H01109M 2H01109Q		1	S		
6	COMPRESSOR	2520UAMC2BA	2520UKAC2GA	2520UKGC2DA	1	S	

# **5.2 CIRCUIT DIAGRAM**

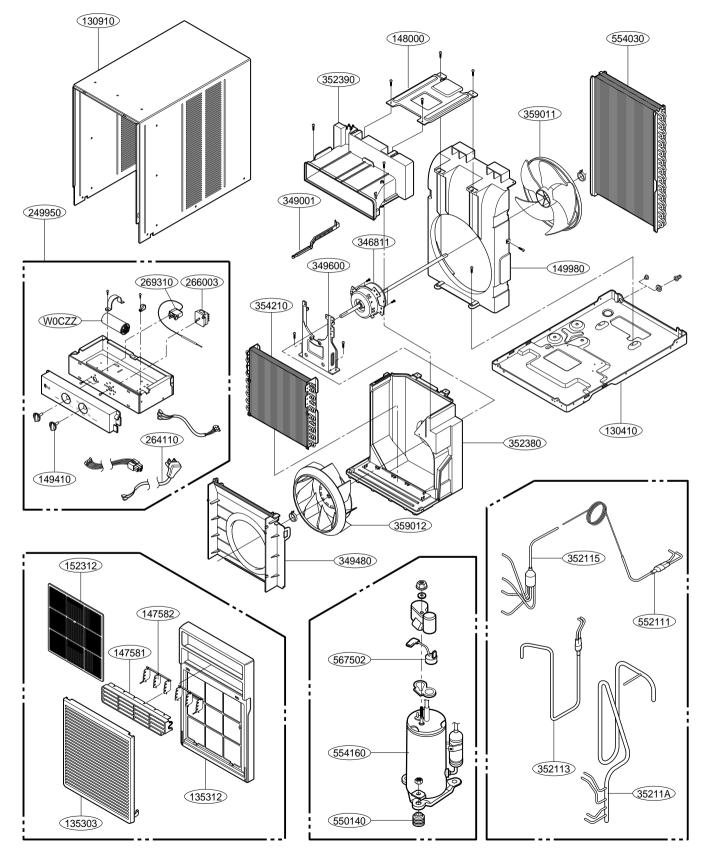
#### MODEL : LC8000, LEA0810ACL



S: Service Parts N: Non Service Parts

LOCATION	DECODIDITION	PART NO.	Q'TY	RE-
NO.	DESCRIPTION	LC8000/LEA0810ACL	PER SET	MARKS
1	POWER CORD	6411A20011L	1	S
2	ROTARY SWITCH	2H00598E	1	S
3	FAN MOTOR	4681A20069A	1	S
4	CAPACITOR	6120AR2359H	1	S
5	THERMOSTAT	2H01109M	1	S
6	COMPRESSOR	2520UAGC2AA	1	S

# 6. EXPLODED VIEW



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# 7. REPLACEMENT PARTS LIST

■ MODEL : LC6000, LC8000, LC1000Y3, LC1200Y3, LEA0610ACL, LEA0810ACL, LEA1010ACLY3, LEA1210ACL

LOCATION No.         DESCRIPTION         IC6000 LEA0610ACL         LEA0000 LEA0610ACL         LEA00003 LEA0610ACL         LEA1210ACL LEA1210ACL         REMARK           130410         BASE ASSY, SINGLE         3041A20033J         3041A20033N         R           130910         CABINET ASSY, SINGLE         3091A20014A         R           135303         GRILLE INLET         3030420014A         R           135312         GRILLE INLET         3530420056A         R           147581         VANE, HORIZONTAL         4758A20032A         R           147582         VANE, VERTICAL         4758A20002A         R           148000         BRACE         4800A20001A         R           1449410         KNOB ASSY         4941A30017A         R           149900         SHROUD ASSY         4995A20227K         4995A20227K         R           249950         CONTROL BOX ASSY         4995A20227K         4995A20227K         4995A20227K         R           266110         POWER CORD ASSY         24910109M         2401109Q         R         R           269310         THERMOSTAT ASSEM         2101109M         2401109Q         R         R           269310         THERMOSTAT ASSEM         211A20558A         5211A2057B <th>r</th> <th></th> <th>1</th> <th></th> <th></th> <th></th> <th></th>	r		1				
No.         LEÃOSTOÃCL         R           130910         CABINET ASSY, SINGLE         3091A20014A         R         R         R           135312         GRILLE INLET         3530A20056A         R         R           147582         VANE, VERTICAL         4758A20032A         R         R           148000         BRACE         4900A20001A         R         R           149980         SHROUD ASSY         4995A20227K         4995A20227K         R           149980         SHROLD BOX ASSY         4995A20227K         4995A20227K         4995A20227K         4995A20227K         R           249950         CONTROL BOX ASSY         4995A20227K         4995A20227K         4995A20227K         4995A20227K         R           266003         SWITCH, ROTARY         2100199         R         R         14200110	LOCATION	DECODIDITION					
130910       CABINET ASSY, SINGLE       3091A20014A       R         135303       GRILLE INLET       3530A20056A       R         135312       GRILLE ASSY, FRONT       3531A20123A       R         147581       VANE, VERTICAL       4758A20032A       R         147582       VANE, VERTICAL       4758A20017A / 4758A20017B       R         148000       BRACE       4800A2001A       R         149410       KNOB ASSY       4941A30017A       R         149900       SHROUD ASSY       4995A200227K       4995A20227K       4995A20227N       R         149910       KNOB ASSY       4995A20227C       4995A20227A       4995A20227N       R         149910       CONTROL BOX ASSY       4995A20227A       4995A20227N       R       R         264110       POWER CORD ASSY       6411A20011L       6411A20011N       6411A2001P       R         266003       SWITCH, ROTARY       2H0109M       2H01109Q       R       346811       MOTOR ASSY, SINGLE       4681A20069A       4681A20069C       R         349001       DAMPER       4900A20006A       R       R       349480       ORIFICE       4948A2012A       R         349480       ORIFICE       211A20558B	No.	DESCRIPTION	LC6000 LEA0610ACL	LC8000 LEA0810ACL	LC1000Y3 LEA1010ACLY3		REMARK
135303       GRILLE INLET       3530A20056A       R         135312       GRILLE ASSY, FRONT       3531A20123A       R         147581       VANE, HORIZONTAL       4758A20032A       R         147582       VANE, VERTICAL       4758A20017A / 4758A20017B       R         148000       BRACE       4800A20011A       R         149410       KNOB ASSY       4941A30017A       R         149980       SHROUD ASSY       4995A20227C       4995A20027K       4995A20227K         149980       SHROUD ASSY       4995A20227C       4995A20227K       4995A20227K       R         264110       POWER CORD ASSY       4995A20227K       4995A20227K       4995A20227K       R         266010       SWITCH, ROTARY       2H00598E       R       R       R         266010       SWITCH, ROTARY       2H01109M       2H01109Q       R       R         349601       DAMPER       4900A20066A       R       R       R         349600       MOUNT, MOTOR       4960A20034A       R       R       R         349600       MOUNT, MOTOR       5211A20558A       5211A20558C       R       R         352115       TUBE ASSY, DISCHARGE SINGLE       5211A20558A <td< td=""><td>130410</td><td>BASE ASSY, SINGLE</td><td>3041A</td><td>20033J</td><td>3041A2</td><td>20033N</td><td>R</td></td<>	130410	BASE ASSY, SINGLE	3041A	20033J	3041A2	20033N	R
135312         GRILLE ASSY, FRONT         3531A20123A         R           147581         VANE, HORIZONTAL         4758A20032A         R           147582         VANE, VERTICAL         4758A20017A / 4758A20017B         R           148000         BRACE         4800A20001A         R           149900         KNOB ASSY         4941A30017A         R           149980         SHROUD ASSY         49941A30017A         R           149980         SHROUD ASSY         4995A20227C         4995A20227K         895A20227N         R           152312         FILTER ASSY         5231A20012A         R         R           266003         SWITCH, ROTARY         24955A20227K         4995A20227K         4995A20227K         R           266101         POWER CORD ASSY         6411A20011L         6411A20011N         6411A2001P         R           266003         SWITCH, ROTARY         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069A         4681A20069C         R           349001         DAMPER         4900A20006A         R         R           349600         MOUNT, MOTOR         4960A2003A         R         R           349600         MO	130910	CABINET ASSY, SINGLE		3091A2	20014A		R
147581         VANE, HORIZONTAL         4758A20032A         R           147582         VANE, VERTICAL         4758A20017A / 4758A20017B         R           148000         BRACE         4800A20001A         R           149001         KNOB ASSY         4941A30017A         R           149980         SHROUD ASSY         4999A20002A         R           152312         FILTER ASSY         5231A20012A         R           249950         CONTROL BOX ASSY         4995A20227C         4995A20227K         4995A20227K         4995A20227N         R           266003         SWITCH, ROTARY         2H001598E         R         R           266013         SWITCH, ROTARY         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069A         4681A2006C         R           349600         ORIFICE         4900A20006A         R         R           349600         MOUNT, MOTOR         5211A20558B         5211A2057B         5211A2057C         R           352113         TUBE ASSY, DISCHARGE SINGLE         5211A20555A         5211A2057B         5211A2057C         R           352114         TUBE ASSY, SUCTION         5211A20555B         5211A2057B         5211A2057B <td>135303</td> <td>GRILLE INLET</td> <td></td> <td>3530A2</td> <td>20056A</td> <td></td> <td>R</td>	135303	GRILLE INLET		3530A2	20056A		R
147582         VANE, VERTICAL         4758A20017A / 4758A20017B         R           148000         BRACE         4800A20001A         R           149410         KNOB ASSY         4941A30017A         R           149980         SHROUD ASSY         4995A2002A         R           152312         FILTER ASSY         5231A20012A         R           249950         CONTROL BOX ASSY         4995A20227C         4995A20227K         4995A20227N         R           264110         POWER CORD ASSY         6411A20011L         6411A20011N         6411A20011P         R           266003         SWITCH, ROTARY         2H00598E         R         R         269310         THERMOSTAT ASSEM         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069B         4681A20069A         4681A20069C         R           349001         DAMPER         4900A20006A         R         R         349480         ORIFICE         4948A20012A         R           349480         ORIFICE         4940A20012A         R         R         35211A         TUBE ASSY, DISCHARGE SINGLE         5211A20558B         5211A20558C         R           352113         TUBE ASSY, JUCTION         5211A20558B	135312	GRILLE ASSY, FRONT		3531A2	20123A		R
148000         BRACE         4800A2001A         R           149410         KNOB ASSY         4941A30017A         R           149980         SHROUD ASSY         4999A2002A         R           152312         FILTER ASSY         5231A20012A         R           249950         CONTROL BOX ASSY         4995A20227C         4995A20227K         4995A20227N         R           264110         POWER CORD ASSY         4995A20227C         4995A20227K         4995A20227N         R           266003         SWITCH, ROTARY         6411A20011L         6411A20011N         6411A2001P         R           266003         SWITCH, ROTARY         2H01598E         R         R           268310         THERMOSTAT ASSEM         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069B         4681A20069C         R           349001         DAMPER         4900A20006A         R         R           349480         ORIFICE         4948A20012A         R         R           349400         MOUNT, MOTOR         5211A20558B         5211A20558C         R         R           352113         TUBE ASSY, DISCHARGE SINGLE         5211A20558A         5211A2057B	147581	VANE, HORIZONTAL		4758A2	20032A		R
149410         KNOB ASSY         4941A30017A         R           149980         SHROUD ASSY         4999A20002A         R           152312         FILTER ASSY         5231A20012A         R           249950         CONTROL BOX ASSY         4995A20227C         4995A20227A         4995A20227K         4995A20227N         R           264110         POWER CORD ASSY         6411A20011L         6411A20011N         6411A20011P         R           266003         SWITCH, ROTARY         2H00598E         R           269310         THERMOSTAT ASSEM         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069A         4681A20069C         R           349600         DAMPER         4900A2006A         R         R           349480         ORIFICE         4948A20012A         R         R           349400         MOUNT, MOTOR         4960A20034A         R         R           352113         TUBE ASSY, DISCHARGE SINGLE         5211A20558A         5211A20575B         5211A2057C         R           352113         TUBE ASSY, SUCTION         5211A2055B         5211A2057B         5211A2057C         R           352380         AIR GUIDE-LOWER ASSY         5	147582	VANE, VERTICAL		4758A20017A	/ 4758A20017B		R
149980         SHROUD ASSY         4999A20002A         R           152312         FILTER ASSY         5231A20012A         R           249950         CONTROL BOX ASSY         4995A20227C         4995A20227K         4995A20227K         4995A20227N         R           264110         POWER CORD ASSY         6411A20011L         6411A20011N         6411A20011P         R           266003         SWITCH, ROTARY         2H00598E         R           266013         THERMOSTAT ASSEM         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069B         4681A20069A         4681A20069C         R           349601         DAMPER         4900420006A         R         349400         R         34960A         R         R           349400         ORIFICE         4940A2002A         R         R         34960A         R         R           349400         MOUNT, MOTOR         4960A20034A         R         R         352113         TUBE ASSY, DISCHARGE SINGLE         5211A20558A         5211A20575B         5211A20575C         R           352113         TUBE ASSY, SUCTION         5211A20555B         5211A20575B         5211A20579B         5211A20579C         R	148000	BRACE		4800A2	20001A		R
152312         FILTER ASSY         5231A20012A         R           249950         CONTROL BOX ASSY         4995A20227C         4995A20227A         4995A20227N         R           264110         POWER CORD ASSY         6411A20011L         6411A20011N         6411A20011P         R           266003         SWITCH, ROTARY         2H00598E         R           269310         THERMOSTAT ASSEM         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069B         4681A20069A         4681A2069C         R           349001         DAMPER         4900A20006A         R         R           349460         ORIFICE         4948A20012A         R           349460         MOUNT, MOTOR         4960A20034A         R           352113         TUBE ASSY, DISCHARGE SINGLE         5211A20558A         5211A2057B         5211A2057C         R           352115         TUBE ASSY, SUCTION         5211A2055B         5211A2055B         5211A2057B         5211A2057C         R           352310         AIR GUIDE-LOWER ASSY         5239A20008A         R         R           352310         AIR GUIDE ASSY-UPPER         5239A20007A         R         R           359011	149410	KNOB ASSY		4941A3	30017A		R
249950         CONTROL BOX ASSY         4995A20227C         4995A20227A         4995A20227K         4995A20227N         R           264110         POWER CORD ASSY         6411A20011L         6411A20011N         6411A20011P         R           266003         SWITCH, ROTARY         2H00109M         2H01109Q         R           269310         THERMOSTAT ASSEM         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069B         4681A20069A         4681A20069C         R           349001         DAMPER         4900A2006A         R         R           349480         ORIFICE         4948A20012A         R           349480         MOUNT, MOTOR         4960A20034A         R           352113         TUBE ASSY, DISCHARGE SINGLE         5211A20558A         5211A20557B         5211A20575C         R           352115         TUBE ASSY, BUCTION         5211A20555A         5211A20575B         5211A20579C         R           352300         AIR GUIDE-LOWER ASSY         5211A20555A         5211A20579B         5211A20579C         R           359011         FAN ASSY, SUCTION         521420115C         5421A20115B         5421A20115D         R           359011         FAN AS	149980	SHROUD ASSY		4999A2	20002A		R
264110         POWER CORD ASSY         6411A20011L         6411A20011N         6411A20011P         R           266003         SWITCH, ROTARY         2H01598E         R           269310         THERMOSTAT ASSEM         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069B         4681A20069A         4681A20069C         R           349001         DAMPER         4900A2006A         R         R           349480         ORIFICE         4948A20012A         R           349600         MOUNT, MOTOR         4960A20034A         R           352113         TUBE ASSY, DISCHARGE SINGLE         5211A20558A         5211A20575B         5211A20575C         R           352115         TUBE ASSY, SUCTION         5211A20555B         5211A2057B         5211A2057C         R           352380         AIR GUIDE-LOWER ASSY         5239A20007A         R         R           352390         AIR GUIDE ASSY-UPPER         5239A20007A         R         R           354210         EVAPORATOR ASSY         5421A20115D         5421A20115A         5421A20115D         R           359011         FAN ASSY, TURBO         5900A2007A         R         R           550140	152312	FILTER ASSY		5231A2	20012A		R
266003         SWITCH, ROTARY         2H00598E         R           269310         THERMOSTAT ASSEM         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069B         4681A20069A         4681A20069C         R           349001         DAMPER         4900A20006A         R         R           349480         ORIFICE         4948A20012A         R           349600         MOUNT, MOTOR         4960A20034A         R           352113         TUBE ASSY, DISCHARGE SINGLE         5211A20558A         5211A20575B         5211A20575C         R           352115         TUBE ASSEMBLY, EVAPORATOR         5211A20559A         5211A2057B         5211A2057C         R           35211A         TUBE ASSY, SUCTION         5211A20555B         5211A2057B         5211A20579C         R           352380         AIR GUIDE-LOWER ASSY         5239A20007A         R         R           352390         AIR GUIDE ASSY-UPPER         5239A20007A         R         R           354210         EVAPORATOR ASSY         5421A20115E         5421A20115A         5421A20115D         R           359011         FAN ASSY, TURBO         5900A20026A         R         R           550140 <td>249950</td> <td>CONTROL BOX ASSY</td> <td>4995A20227C</td> <td>4995A20227A</td> <td>4995A20227K</td> <td>4995A20227N</td> <td>R</td>	249950	CONTROL BOX ASSY	4995A20227C	4995A20227A	4995A20227K	4995A20227N	R
269310         THERMOSTAT ASSEM         2H01109M         2H01109Q         R           346811         MOTOR ASSY, SINGLE         4681A20069B         4681A20069A         4681A20069C         R           349001         DAMPER         4900A2006A         R         R           349480         ORIFICE         4948A20012A         R           349600         MOUNT, MOTOR         4960A20034A         R           352113         TUBE ASSY, DISCHARGE SINGLE         5211A20558A         5211A20558C         R           352115         TUBE ASSEMBLY, EVAPORATOR         5211A20559A         5211A20575B         5211A20579C         R           352114         TUBE ASSY, SUCTION         5211A20555B         5211A20575B         5211A20579C         R           352380         AIR GUIDE-LOWER ASSY         5239A20008A         R         R           352390         AIR GUIDE ASSY-UPPER         5239A20007A         R         R           354210         EVAPORATOR ASSY         5421A20115C         5421A20115B         5421A20115D         R           359011         FAN ASSY, TURBO         5900A20026A         R         R           550140         ISOLATOR, COMP         5040AR4195A         4830AR4335A         R           5521	264110	POWER CORD ASSY	6411A	20011L	6411A20011N	6411A20011P	R
346811         MOTOR ASSY, SINGLE         4681A20069B         4681A20069A         4681A20069C         R           349001         DAMPER         4900A2006A         R           349480         ORIFICE         4948A20012A         R           349600         MOUNT, MOTOR         4960A20034A         R           352113         TUBE ASSY, DISCHARGE SINGLE         5211A20558B         5211A20558A         5211A20558C         R           352115         TUBE ASSEMBLY, EVAPORATOR         5211A20559A         5211A20575B         5211A20575C         R           352114         TUBE ASSY, SUCTION         5211A20555B         5211A20579B         5211A20579C         R           352380         AIR GUIDE -LOWER ASSY         5211A20555B         5211A20579B         5211A20579C         R           352390         AIR GUIDE ASSY-UPPER         5239A20007A         R         R           354210         EVAPORATOR ASSY         5421A20115C         5421A20115B         5421A20115A         5421A20115D         R           359011         FAN ASSY, TURBO         5900A200206A         R         R           550140         ISOLATOR, COMP         5040AR4195A         4830AR4335A         R           552111         TUBE ASSY, CAPILLARY         5211A20557	266003	SWITCH, ROTARY		2H00	598E		R
349001       DAMPER       4900A20006A       R         349480       ORIFICE       4948A20012A       R         349600       MOUNT, MOTOR       4960A20034A       R         352113       TUBE ASSY, DISCHARGE SINGLE       5211A20558B       5211A20558A       5211A2057B       5211A2057C       R         352115       TUBE ASSEMBLY, EVAPORATOR       5211A20559A       5211A2057B       5211A2057C       R         35211A       TUBE ASSY, SUCTION       5211A2055B       5211A2055A       5211A2057B       5211A20579C       R         352380       AIR GUIDE-LOWER ASSY       5239A20008A       R       R         352390       AIR GUIDE ASSY-UPPER       5239A20007A       R       R         354210       EVAPORATOR ASSY       5421A20115C       5421A20115B       5421A20115A       5421A20115D       R         359011       FAN ASSY, TURBO       5900A20026A       R       R         550140       ISOLATOR, COMP       5040AR4195A       4830AR4335A       R         552111       TUBE ASSY, CAPILLARY       5211A20557B       5211A20557A       5211A20557H       5211A20557J       R         554030       CONDENSER ASSY       5403A20082C       5403A20082B       5403A20082B       R       5540	269310	THERMOSTAT ASSEM	2H01	109M	2H01	109Q	R
349480         ORIFICE         4948A20012A         R           349600         MOUNT, MOTOR         4960A20034A         R           352113         TUBE ASSY, DISCHARGE SINGLE         5211A20558B         5211A20558A         5211A20558C         R           352115         TUBE ASSEMBLY, EVAPORATOR         5211A20559A         5211A20575B         5211A20575C         R           352114         TUBE ASSY, SUCTION         5211A20555B         5211A20555A         5211A20579B         5211A20579C         R           352380         AIR GUIDE-LOWER ASSY         5211A20555B         5211A20570A         R         R           352390         AIR GUIDE ASSY-UPPER         5239A20007A         R         R           354210         EVAPORATOR ASSY         5421A20115C         5421A20115B         5421A20115A         5421A20115D         R           359011         FAN ASSY AXIAL         5900A20026A         R         R           359012         FAN ASSY, TURBO         5900A20019A         R         R           550140         ISOLATOR, COMP         5040AR4195A         4830AR4335A         R           552111         TUBE ASSY, CAPILLARY         5211A20557B         5211A20557H         5211A20557J         R           554030         C	346811	MOTOR ASSY, SINGLE	4681A20069B	4681A20069A	4681A2	20069C	R
349600       MOUNT, MOTOR       4960A20034A       R         352113       TUBE ASSY, DISCHARGE SINGLE       5211A20558B       5211A20558A       5211A20558C       R         352115       TUBE ASSEMBLY, EVAPORATOR       5211A20559A       5211A20557B       5211A20575C       R         352114       TUBE ASSY, SUCTION       5211A20555B       5211A20557A       5211A20579B       5211A20579C       R         352380       AIR GUIDE-LOWER ASSY       5211A20555B       5211A2057A       5219A20007A       R         352390       AIR GUIDE ASSY-UPPER       52239A20007A       R       R         354210       EVAPORATOR ASSY       5421A20115C       5421A20115B       5421A20115A       5421A20115D       R         359011       FAN ASSY AXIAL       5900A20026A       R       R         359012       FAN ASSY, TURBO       5900A20019A       R       R         550140       ISOLATOR, COMP       5040AR4195A       4830AR4335A       R         552111       TUBE ASSY, CAPILLARY       5211A20557B       5211A20557A       5211A20557J       SR         554030       CONDENSER ASSY       5403A20082C       5403A20082B       5403A20082B       R         554160       COMPRESSOR       2520UAMC2BA       25	349001	DAMPER		4900A2	20006A		R
352113       TUBE ASSY, DISCHARGE SINGLE       5211A20558B       5211A20558A       5211A20558C       R         352115       TUBE ASSEMBLY, EVAPORATOR       5211A20559A       5211A20559A       5211A20575B       5211A20575C       R         35211A       TUBE ASSY, SUCTION       5211A20555B       5211A20555A       5211A20579B       5211A20579C       R         352380       AIR GUIDE-LOWER ASSY       5211A20555B       5211A20579A       5211A20579B       5211A20579C       R         352390       AIR GUIDE ASSY-UPPER       5239A20008A       R       R         35210       EVAPORATOR ASSY       5421A20115C       5421A20115B       5421A20115A       5421A20115D       R         359011       FAN ASSY AXIAL       5900A20026A       R       R         359012       FAN ASSY, TURBO       5900A20019A       R       R         550140       ISOLATOR, COMP       5040AR4195A       4830AR4335A       R         552111       TUBE ASSY, CAPILLARY       5211A20557B       5211A20557A       5211A20557H       5211A20557J       R         554030       CONDENSER ASSY       5403A20082C       5403A20082B       5403A2082B       R       R         554160       COMPRESSOR       2520UAMC2BA       2520UAGC2AA	349480	ORIFICE		4948A2	20012A		R
352115       TUBE ASSEMBLY, EVAPORATOR       5211A20559A       5211A20575B       5211A20575C       R         35211A       TUBE ASSY, SUCTION       5211A20555B       5211A20555A       5211A20579B       5211A20579C       R         352380       AIR GUIDE-LOWER ASSY       5239A20008A       R       R         352390       AIR GUIDE ASSY-UPPER       5239A2007A       R         354210       EVAPORATOR ASSY       5421A20115C       5421A20115B       5421A20115A       5421A20115D       R         359011       FAN ASSY AXIAL       5900A20026A       R       R         359012       FAN ASSY, TURBO       5040AR4195A       4830AR4335A       R         550140       ISOLATOR, COMP       5040AR4195A       4830AR4335A       R         552111       TUBE ASSY, CAPILLARY       5211A2057B       5211A20557A       5211A20557H       5211A20557J       R         554160       CONDENSER ASSY       5403A20082C       5403A20082B       5403A20082B       R       R         557162       O.L.P       6750U-L060A       6750U-L048A       6750U-L031A       6750U-L029A       R	349600	MOUNT, MOTOR		4960A2	20034A		R
35211A       TUBE ASSY, SUCTION       5211A20555B       5211A20555A       5211A20579B       5211A20579C       R         352380       AIR GUIDE-LOWER ASSY       5239A2008A       R       R         352390       AIR GUIDE ASSY-UPPER       5239A2007A       R         354210       EVAPORATOR ASSY       5421A20115C       5421A20115B       5421A20115A       5421A20115D       R         359011       FAN ASSY AXIAL       5900A2026A       R       R         359012       FAN ASSY, TURBO       5040AR4195A       4830AR4335A       R         550140       ISOLATOR, COMP       5211A20557B       5211A20557A       5211A20557H       5211A20557J       R         552111       TUBE ASSY, CAPILLARY       5211A20557B       5211A20557A       5211A20557H       5211A20557J       R         554030       CONDENSER ASSY       5403A20082C       5403A20082B       5403A20082B       R         554160       COMPRESSOR       2520UAMC2BA       2520UAGC2AA       2520UKAC2GA       2520UKGC2DA       R         567502       O.L.P       6750U-L060A       6750U-L048A       6750U-L031A       6750U-L029A       R	352113	TUBE ASSY, DISCHARGE SINGLE	5211A20558B	5211A20558A	5211A2	20558C	R
352380       AIR GUIDE-LOWER ASSY       5239A20008A       R         352390       AIR GUIDE ASSY-UPPER       5239A2007A       R         354210       EVAPORATOR ASSY       5421A20115C       5421A20115B       5421A20115A       5421A20115D       R         359011       FAN ASSY AXIAL       5900A20026A       R       R         359012       FAN ASSY, TURBO       5900A20019A       R       R         550140       ISOLATOR, COMP       5040AR4195A       4830AR4335A       R         552111       TUBE ASSY, CAPILLARY       5211A20557B       5211A20557A       5211A20557J       R         554030       CONDENSER ASSY       5403A20082C       5403A20082B       5403A20082B       R         554160       COMPRESSOR       2520UAMC2BA       2520UAGC2AA       2520UKAC2GA       2520UKGC2DA       R         567502       O.L.P       6750U-L060A       6750U-L048A       6750U-L031A       6750U-L029A       R	352115	TUBE ASSEMBLY, EVAPORATOR	5211A20559A	5211A20559A	5211A20575B	5211A20575C	R
352390       AIR GUIDE ASSY-UPPER       5239A20007A       R         354210       EVAPORATOR ASSY       5421A20115C       5421A20115B       5421A20115A       5421A20115D       R         359011       FAN ASSY AXIAL       5421A20115C       5900A2026A       R         359012       FAN ASSY, TURBO       5900A2019A       R         550140       ISOLATOR, COMP       5040AR4195A       4830AR4335A       R         552111       TUBE ASSY, CAPILLARY       5211A20557B       5211A20557A       5211A20557H       5211A20557J       R         554030       CONDENSER ASSY       5403A20082C       5403A20082B       5403A20082B       R         554160       COMPRESSOR       2520UAMC2BA       2520UAGC2AA       2520UKAC2GA       2520UKGC2DA       R         567502       O.L.P       6750U-L060A       6750U-L048A       6750U-L031A       6750U-L029A       R	35211A	TUBE ASSY, SUCTION	5211A20555B	5211A20555A	5211A20579B	5211A20579C	R
354210         EVAPORATOR ASSY         5421A20115C         5421A20115B         5421A20115A         5421A20115D         R           359011         FAN ASSY AXIAL         5900A20026A         R           359012         FAN ASSY, TURBO         5900A20019A         R           550140         ISOLATOR, COMP         5040AR4195A         4830AR4335A         R           552111         TUBE ASSY, CAPILLARY         5211A20557B         5211A20557A         5211A20557H         5211A20557J         R           554030         CONDENSER ASSY         5403A20082C         5403A20082B         F403A20082B         R           554160         COMPRESSOR         2520UAMC2BA         2520UAGC2AA         2520UKAC2GA         2520UKGC2DA         R           567502         O.L.P         6750U-L060A         6750U-L048A         6750U-L031A         6750U-L029A         R	352380	AIR GUIDE-LOWER ASSY		5239A2	20008A		R
359011       FAN ASSY AXIAL       5900A20026A       R         359012       FAN ASSY, TURBO       5900A20019A       R         550140       ISOLATOR, COMP       5040AR4195A       4830AR4335A       R         552111       TUBE ASSY, CAPILLARY       5211A20557B       5211A20557A       5211A20557H       5211A20557J       R         554030       CONDENSER ASSY       5403A20082C       5403A20082B       5403A20082B       R         554160       COMPRESSOR       2520UAMC2BA       2520UAGC2AA       2520UKAC2GA       2520UKGC2DA       R         567502       O.L.P       6750U-L060A       6750U-L048A       6750U-L031A       6750U-L029A       R	352390	AIR GUIDE ASSY-UPPER		5239A2	20007A		R
359012         FAN ASSY, TURBO         5900A2019A         R           550140         ISOLATOR, COMP         5040AR4195A         4830AR4335A         R           552111         TUBE ASSY, CAPILLARY         5211A20557B         5211A20557A         5211A20557H         5211A20557J         R           554030         CONDENSER ASSY         5403A20082C         5403A20082B         5403A20082B         R           554160         COMPRESSOR         2520UAMC2BA         2520UAGC2AA         2520UKAC2GA         2520UKGC2DA         R           567502         O.L.P         6750U-L060A         6750U-L048A         6750U-L031A         6750U-L029A         R	354210	EVAPORATOR ASSY	5421A20115C	5421A20115B	5421A20115A	5421A20115D	R
550140         ISOLATOR, COMP         5040AR4195A         4830AR4335A         R           552111         TUBE ASSY, CAPILLARY         5211A20557B         5211A20557A         5211A20557H         5211A20557J         R           554030         CONDENSER ASSY         5403A20082C         5403A20082B         5403A20082B         R           554160         COMPRESSOR         2520UAMC2BA         2520UAGC2AA         2520UKAC2GA         2520UKGC2DA         R           567502         O.L.P         6750U-L060A         6750U-L048A         6750U-L031A         6750U-L029A         R	359011	FAN ASSY AXIAL	5900A20026A			R	
552111         TUBE ASSY, CAPILLARY         5211A20557B         5211A20557A         5211A20557H         5211A20557J         R           554030         CONDENSER ASSY         5403A20082C         5403A20082B         5403A20082B         R           554160         COMPRESSOR         2520UAMC2BA         2520UAGC2AA         2520UKAC2GA         2520UKGC2DA         R           567502         O.L.P         6750U-L060A         6750U-L048A         6750U-L031A         6750U-L029A         R	359012	FAN ASSY, TURBO	5900A20019A		R		
554030         CONDENSER ASSY         5403A20082C         5403A20082B         5403A20082B         R           554160         COMPRESSOR         2520UAMC2BA         2520UAGC2AA         2520UKAC2GA         2520UKGC2DA         R           567502         O.L.P         6750U-L060A         6750U-L048A         6750U-L031A         6750U-L029A         R	550140	ISOLATOR, COMP	5040AF	R4195A	4830AF	R4335A	R
554160         COMPRESSOR         2520UAMC2BA         2520UAGC2AA         2520UKAC2GA         2520UKGC2DA         R           567502         O.L.P         6750U-L060A         6750U-L048A         6750U-L031A         6750U-L029A         R	552111	TUBE ASSY, CAPILLARY	5211A20557B	5211A20557A	5211A20557H	5211A20557J	R
567502 O.L.P 6750U-L060A 6750U-L048A 6750U-L031A 6750U-L029A R	554030	CONDENSER ASSY	5403A20082C	5403A20082B	5403A2	20082B	R
	554160	COMPRESSOR	2520UAMC2BA	2520UAGC2AA	2520UKAC2GA	2520UKGC2DA	R
W0CZZ     CAPACITOR, DRAWING     6120AR2359V     6120AR2359H     6120AR2194P     0CZZA20001N     R	567502	O.L.P	6750U-L060A	6750U-L048A	6750U-L031A	6750U-L029A	R
	W0CZZ	CAPACITOR, DRAWING	6120AR2359V	6120AR2359H	6120AR2194P	0CZZA20001N	R

#### ■ MODEL : HBLG1000CY3

LOCATION	DECODIDITION	P/No		
No.	DESCRIPTION	HBLG1000CY3	REMARK	
130410	BASE ASSY, SINGLE	3041A20033N	R	
130910	CABINET ASSY, SINGLE	3091A20014A	R	
135303	GRILLE INLET	3530A20056A	R	
135312	GRILLE ASSY, FRONT	3531A20123A	R	
147581	VANE, HORIZONTAL	4758A20032A	R	
147582	VANE, VERTICAL	4758A20017A / 4758A20017B	R	
148000	BRACE	4800A20001A	R	
149410	KNOB ASSY	4941A30017A	R	
149980	SHROUD ASSY	4999A20002A	R	
152312	FILTER ASSY	5231A20012A	R	
249950	CONTROL BOX ASSY	4995A20227L	R	
264110	POWER CORD ASSY	6411A20011N	R	
266003	SWITCH, ROTARY	2H00598E	R	
269310	THERMOSTAT ASSEM	2H01109Q	R	
346811	MOTOR ASSY, SINGLE	4681A20069C	R	
349001	DAMPER	4900A20006A	R	
349480	ORIFICE	4948A20012A	R	
349600	MOUNT, MOTOR	4960A20034A	R	
352113	TUBE ASSY, DISCHARGE SINGLE	5211A20558C	R	
352115	TUBE ASSEMBLY, EVAPORATOR	5211A20575B	R	
35211A	TUBE ASSY, SUCTION	5211A20579B	R	
352380	AIR GUIDE-LOWER ASSY	5239A20008A	R	
352390	AIR GUIDE ASSY-UPPER	5239A20007A	R	
354210	EVAPORATOR ASSY	5421A20115A	R	
359011	FAN ASSY AXIAL	5900A20026A	R	
359012	FAN ASSY, TURBO	5900A20019A	R	
550140	ISOLATOR, COMP	4830AR4335A	R	
552111	TUBE ASSY, CAPILLARY	5211A20557H	R	
554030	CONDENSER ASSY	5403A20082B	R	
554160	COMPRESSOR	2520UKAC2GA	R	
567502	O.L.P	6750U-L031A	R	
W0CZZ	CAPACITOR, DRAWING	6120AR2194P	R	

# MEMO