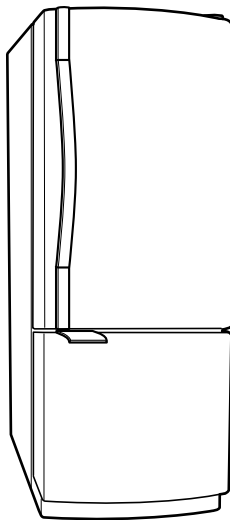




REFRIGERATOR

SERVICE MANUAL

CAUTION
BEFORE SERVICING THE UNIT,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



Models : LRBN2051* LRBN2052*****
LRBN2251* LRBN2252*****
LRDN2072* LRDN2272*****

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SAFETY PRECAUTIONS

Please read the following instructions before servicing your refrigerator.

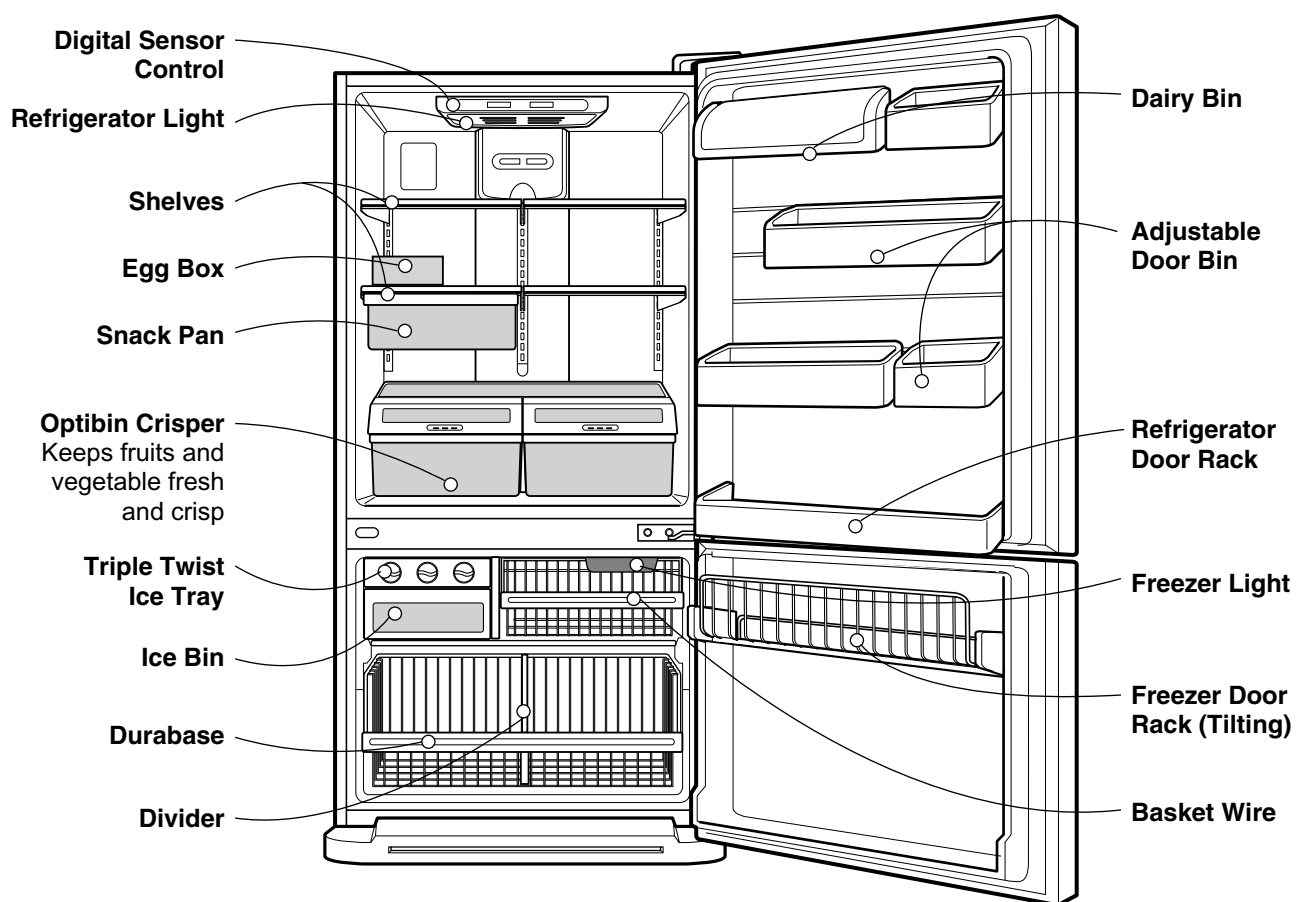
1. Check the refrigerator for electrical faults.
2. To prevent electric shock, unplug before servicing.
3. Always check line voltage and amperage.
4. Use standard electrical components.
5. Don't touch metal products in the freezer with wet hands. This may cause frostbite or cause your skin to freeze and stick to the surfaces inside the freezer.
6. Prevent water from flowing onto electric elements in the mechanical parts.
7. Close the top door before opening the bottom door. Otherwise, you might hit your head when you stand up.
8. When tilting the refrigerator, remove any materials on the refrigerator, especially the glass shelves and stored foods.
9. When servicing the evaporator, wear cotton gloves. This is to prevent injuries from the sharp evaporator fins.
10. Disassembly, repair, and servicing the sealed refrigeration system should be performed only by qualified and certified personnel. Refrigerant should not be vented into the atmosphere; proper recovery equipment should be used.

1. SPECIFICATIONS

19 cu. ft. / 22 cu. ft.

ITEMS	SPECIFICATIONS	ITEMS	SPECIFICATIONS
DOOR DESIGN	Side Rounded	VEGETABLE TRAY	Opaque Drawer Type
DIMENSIONS (inches)	29 7/8 x 31 3/4 x 67 7/8 (WxDxH) 20cu.ft	COMPRESSOR	PTC Starting Type
	32 7/8 x 31 3/4 x 68 1/2 (WxDxH) 22cu.ft	EVAPORATOR	Fin Tube Type
NET WEIGHT (pounds)	238.4 (20cu.ft)	CONDENSER	Wire Condenser
	246.9 (22cu.ft)	REFRIGERANT	R-134a (115 g)
COOLING SYSTEM	Fan Cooling	LUBRICATING OIL	Freol @ 10G (310 cc)
TEMPERATURE CONTROL	Micom Control	DEFROSTING DEVICE	SHEATH HEATER
DEFROSTING SYSTEM	Full Automatic	LAMP	REFRIGERATOR 60 W (2EA)
	Heater Defrost		FREEZER 40 W (1EA)
DOOR FINISH	Embossed Metal, VCM, Stainless		
HANDLE TYPE	Bar		
INNER CASE	ABS Resin		
INSULATION	Polyurethane Foam		

2. PARTS IDENTIFICATION

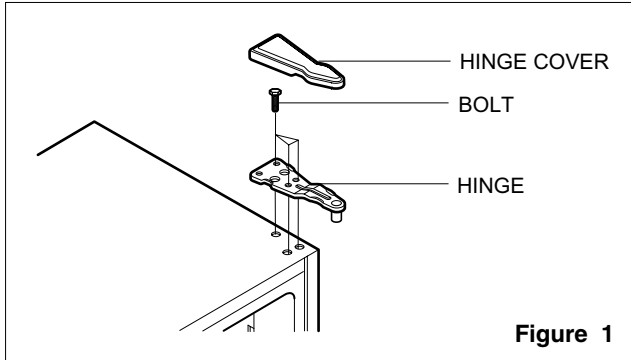


3. DISASSEMBLY

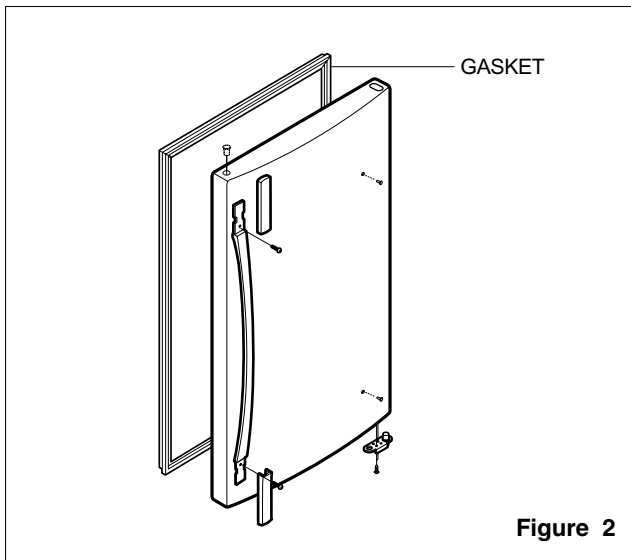
3-1 DOOR

● Refrigerator Door

1. Remove the hinge cover by pulling it upwards.
2. Loosen the hexagonal bolts attaching the upper hinge to the body and lift the freezer door.

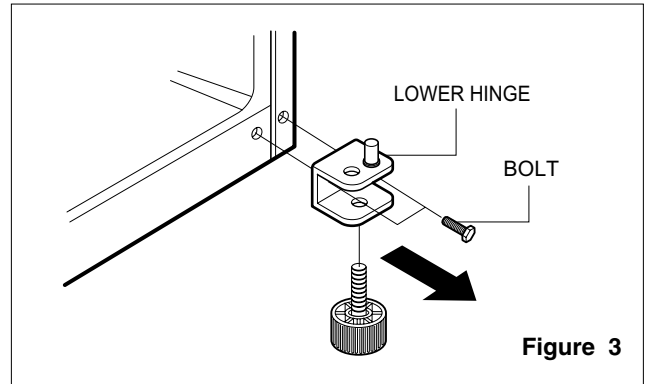


3. Pull out the door gasket to remove from the door foam assembly.



● Freezer Door

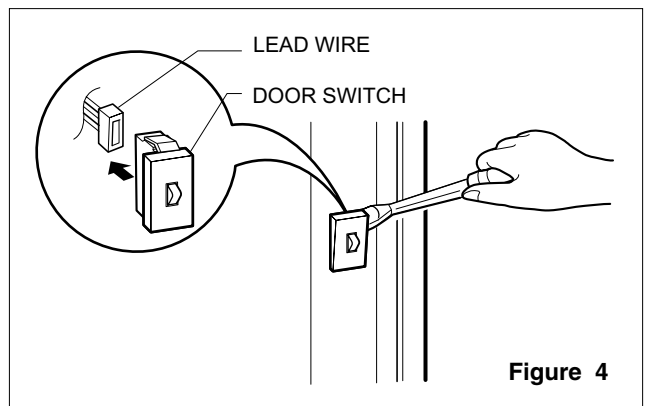
1. Loosen the hexagonal bolts attaching the lower hinge to the body to remove the refrigerator door only.



2. Pull out the door gasket to remove from the door foam assembly.

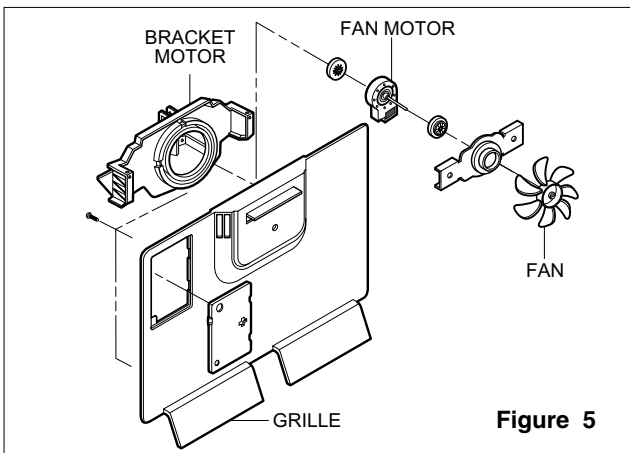
3-2 DOOR SWITCH

1. To remove the door switch, pry it out with a slotted-type driver, as shown in (Figure 4).
2. Disconnect the lead wire from the switch.



3-3 FAN AND FAN MOTOR

1. Remove the freezer shelf. (If your refrigerator has an icemaker, remove the icemaker first)
2. Remove the grille by pulling it out and by loosening a screw.
3. Remove the Fan Motor assembly by loosening 2 screws and disassemble the shroud.
4. Pull out the fan and separate the Fan Motor and Bracket.



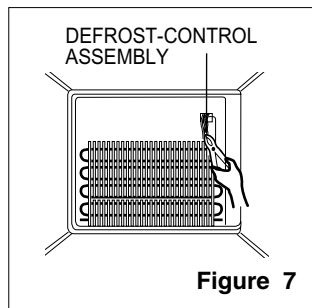
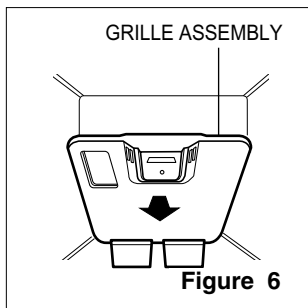
3-4 DEFROST CONTROL ASSEMBLY

Defrost Control assembly consists of Defrost Sensor and FUSE-M.

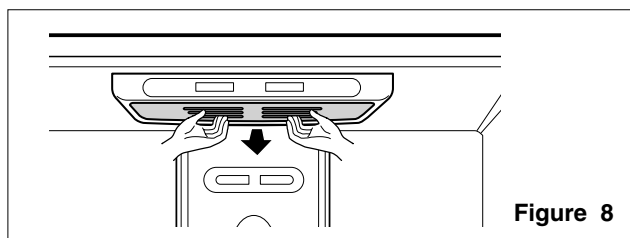
The Defrost Sensor works to defrost automatically. It is attached to the metal side of the Evaporator and senses its temperature. At 72°C, it turns the Defrost Heater off.

Fuse-M is a safety device for preventing over-heating of the Heater when defrosting.

1. Pull out the grille assembly. (Figure 6)
2. Separate the connector with the Defrost Control assembly and replace the Defrost Control assembly after cutting the Tie Wrap. (Figure 7)

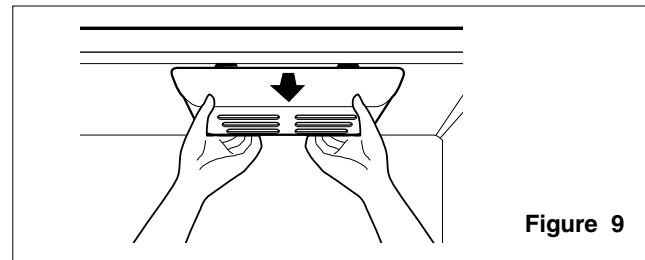


3-5 LAMP



3-5-1 Refrigerator Compartment Lamp

1. Unplug the power cord from the outlet.
2. Remove refrigerator shelves.
3. Release the hooks on both ends of the lamp shield and pull the shield downward to remove it.
4. Turn the lamp counterclockwise.
5. Assemble in reverse order of disassembly. Replacement bulb must be the same specification as the original (Max. 60 W-2EA).

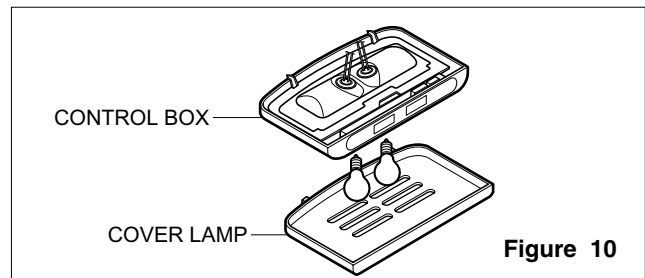


3-5-2 Freezer Compartment Lamp

1. Unplug refrigerator or disconnect power.
2. Reach behind light shield to remove bulb.
3. Replace bulb with a 40-watt appliance bulb.
4. Plug in refrigerator or reconnect power.

3-6 CONTROL BOX-REFRIGERATOR

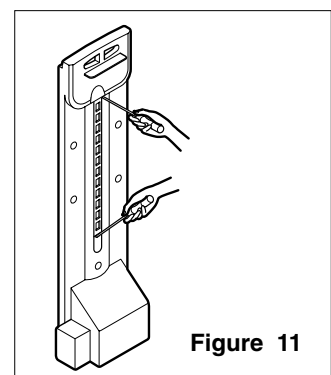
1. First, remove all shelves in the refrigerator, then remove the Refrigerator control Box by loosening 2 screws.



2. Remove the Refrigerator Control Box by pulling it downward.
3. Disconnect the lead wire on the right position and separate the lamp sockets.

3-7 MULTI DUCT

1. Remove an upper and lower Cap by using a flat screwdriver, and loosen 3 screws. (Figure 11)
2. Disconnect the lead wire on the bottom position.



4. ADJUSTMENT

4-1 COMPRESSOR

4-1-1 Role

The compressor intakes low temperature and low pressure gas from the evaporator of the refrigerator and compresses this gas to high-temperature and high-pressure gas. It then delivers the gas to the condenser.

4-1-2 Composition

The compressor includes overload protection. The PTC starter and OLP (overload protector) are attached to the outside of the compressor. Since the compressor is manufactured to tolerances of 1 micron and is hermetically sealed in a dust and moisture-free environment, use extreme caution when repairing it.

4-1-3 Note for Usage

- (1) Be careful not to allow over-voltage and over-current.
- (2) If compressor is dropped or handled carelessly, poor operation and noise may result.
- (3) Use proper electric components appropriate to the Particular Compressor in your product.
- (4) Keep Compressor dry.
If the Compressor gets wet (in the rain or a damp environment) and rust forms in the pin of the Hermetic Terminal, poor operation and contact may result.
- (5) When replacing the Compressor, be careful that dust, humidity, and soldering flux don't contaminate the inside of the compressor. Dust, humidity, and solder flux contaminate the cylinder and may cause noise, improper operation or even cause it to lock up.

4-2 PTC-STARTER

4-2-1 Composition of PTC-Starter

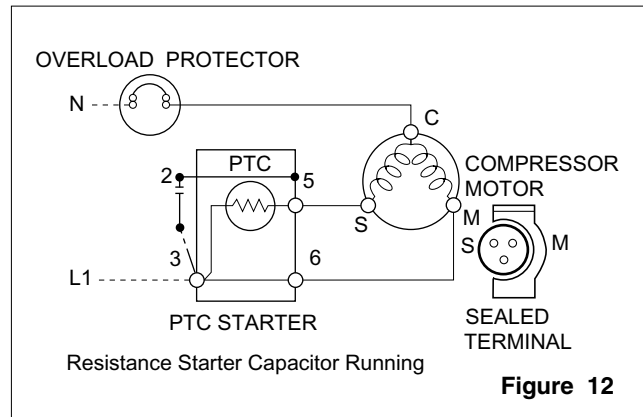
- (1) PTC (Positive Temperature Coefficient) is a no-contact semiconductor starting device which uses ceramic material consisting of BaTiO_3 .
- (2) The higher the temperature is, the higher the resistance value. These features are used as a starting device for the Motor.

4-2-2 Role of PTC-Starter

- (1) The PTC is attached to the Sealed Compressor and is used for starting the Motor.
- (2) The compressor is a single-phase induction motor. During the starting operation, the PTC allows current flow to both the start winding and main winding.

4-2-3 PTC-Applied Circuit Diagram

● Starting Method for the Motor



4-2-4 Motor Restarting and PTC Cooling

- (1) It requires approximately 5 minutes for the pressure to equalize before the compressor can restart.
- (2) The PTC device generates heat during operation. Therefore, it must be allowed to cool before the compressor can restart.

4-2-5 Relation of PTC-Starter and OLP

- (1) If the compressor attempts to restart before the PTC device is cooled, the PTC device will allow current to flow only to the main winding.
- (2) The OLP will open because of the over current condition. This same process will continue (3 to 5 times) when the compressor attempts to restart until the PTC device has cooled. The correct OLP must be properly attached to prevent damage to the compressor.

Parts may appear physically identical but could have different electrical ratings. Replace parts by part number and model number. Using an incorrect part could result in damage to the product, fire, injury, or possibly death.

4-2-6 Note for Using the PTC-Starter

- (1) Be careful not to allow over-voltage and over-current.
- (2) Do not drop or handle carelessly.
- (3) Keep away from any liquid.
If liquid such as oil or water enters the PTC, PTC materials may fail due to breakdown of their insulating capabilities.
- (4) If the exterior of the PTC is damaged, the resistance value may be altered. This can cause damage to the compressor and result in a no-start or hard-to-start condition.
- (5) Always use the PTC designed for the compressor and make sure it is properly attached to the compressor. Parts may appear physically identical but could have different electrical ratings. Replace parts by part number and model number. Using an incorrect part could result in damage to the product, fire, injury, or possibly death.

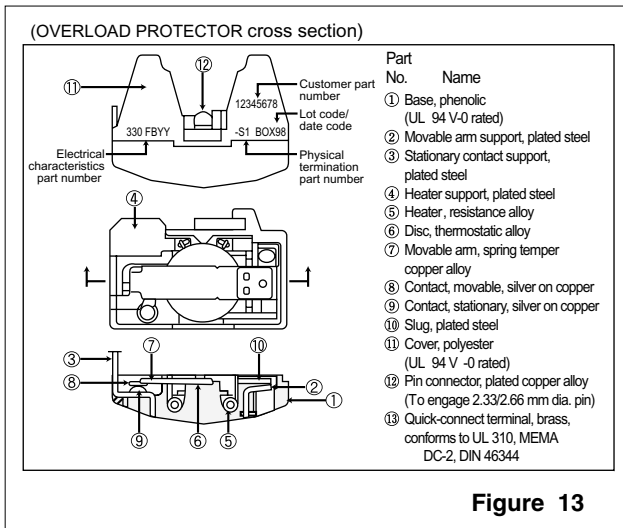
4-3 OLP (OVERLOAD PROTECTOR)

4-3-1 Definition of OLP

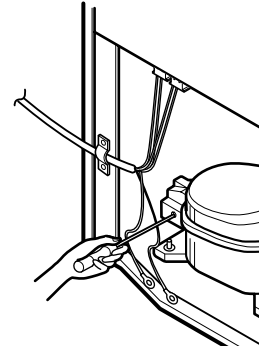
- (1) OLP (OVERLOAD PROTECTOR) is attached to the Compressor and protects the Motor by opening the circuit to the Motor if the temperature rises and activating the bimetal spring in the OLP.
- (2) When high current flows to the Compressor motor, the Bimetal works by heating the heater inside the OLP, and the OLP protects the Motor by cutting off the current flowing to the Compressor Motor.

4-3-2 Role of the OLP

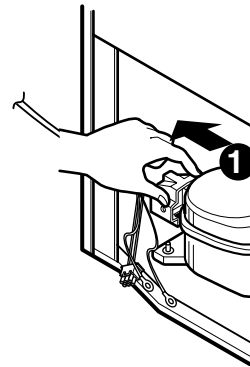
- (1) The OLP is attached to the Sealed Compressor used for the Refrigerator. It prevents the Motor Coil from being started in the Compressor.
- (2) For normal operation of the OLP, do not turn the Adjust Screw of the OLP in any way.



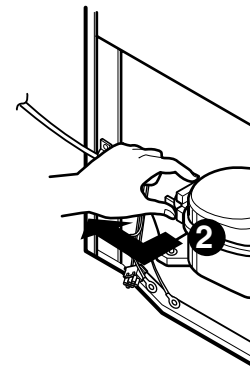
4-4 TO REMOVE THE COVER PTC



- 1) Remove the Cover Back M/C.
- (2) Remove the screw on Cover PTC.



- (3) Remove two Housings on upper part of Cover PTC.
- (4) Take out the cover PTC from upper to lower position like ①.



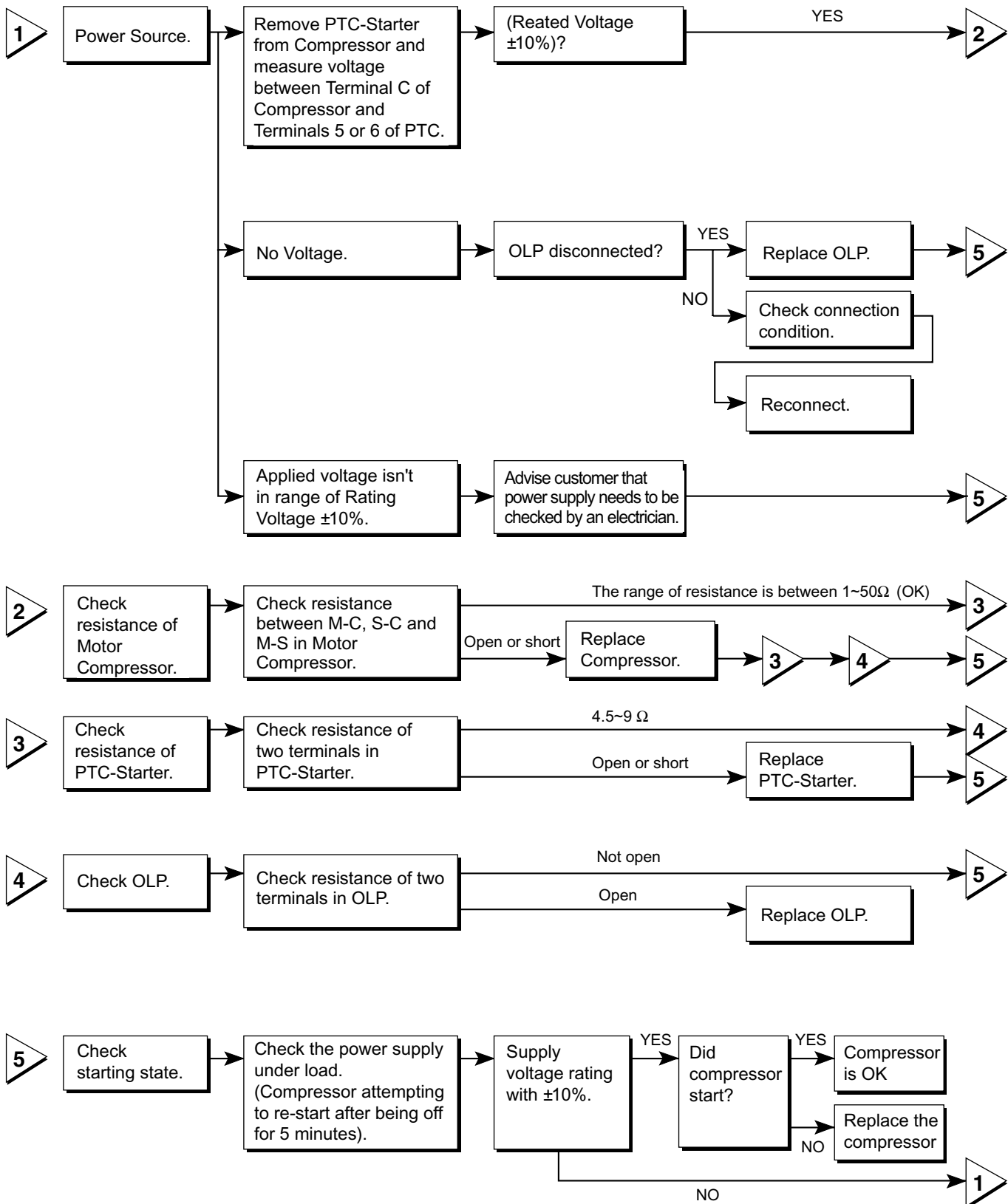
- (5) Turn 45° in the direction of ② and take it out.
- (6) Assembly in reverse order of disassembly.

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6. TROUBLESHOOTING

6-1 COMPRESSOR AND ELECTRIC COMPONENTS



6-2 PTC AND OLP

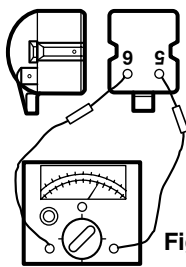
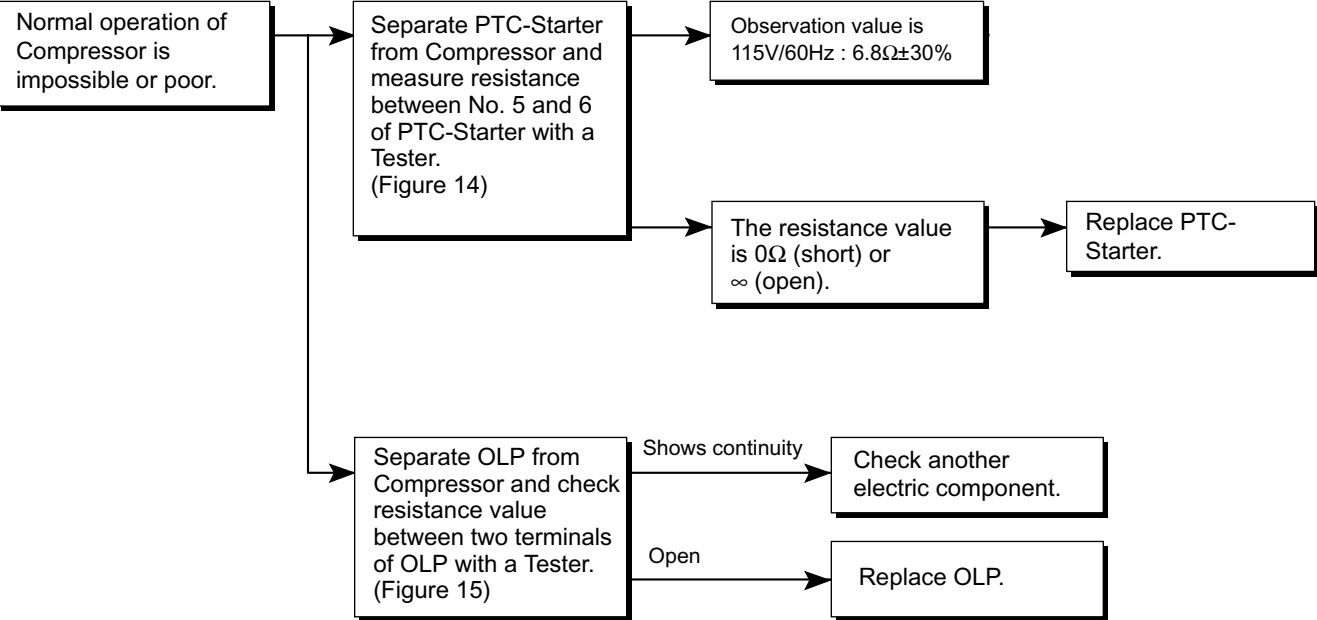


Figure 14

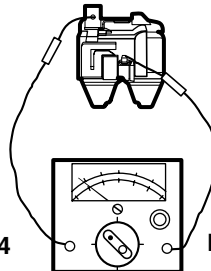
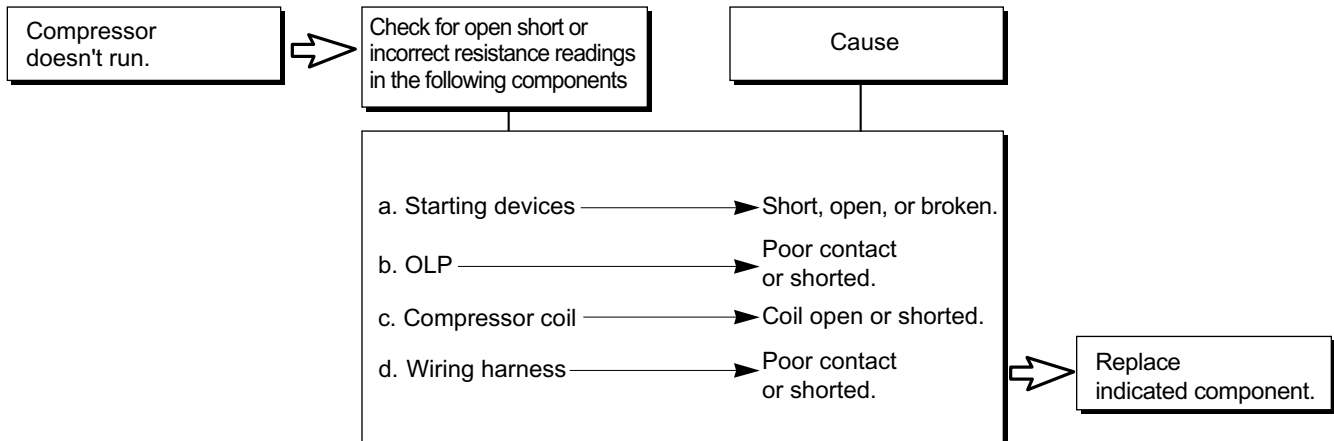


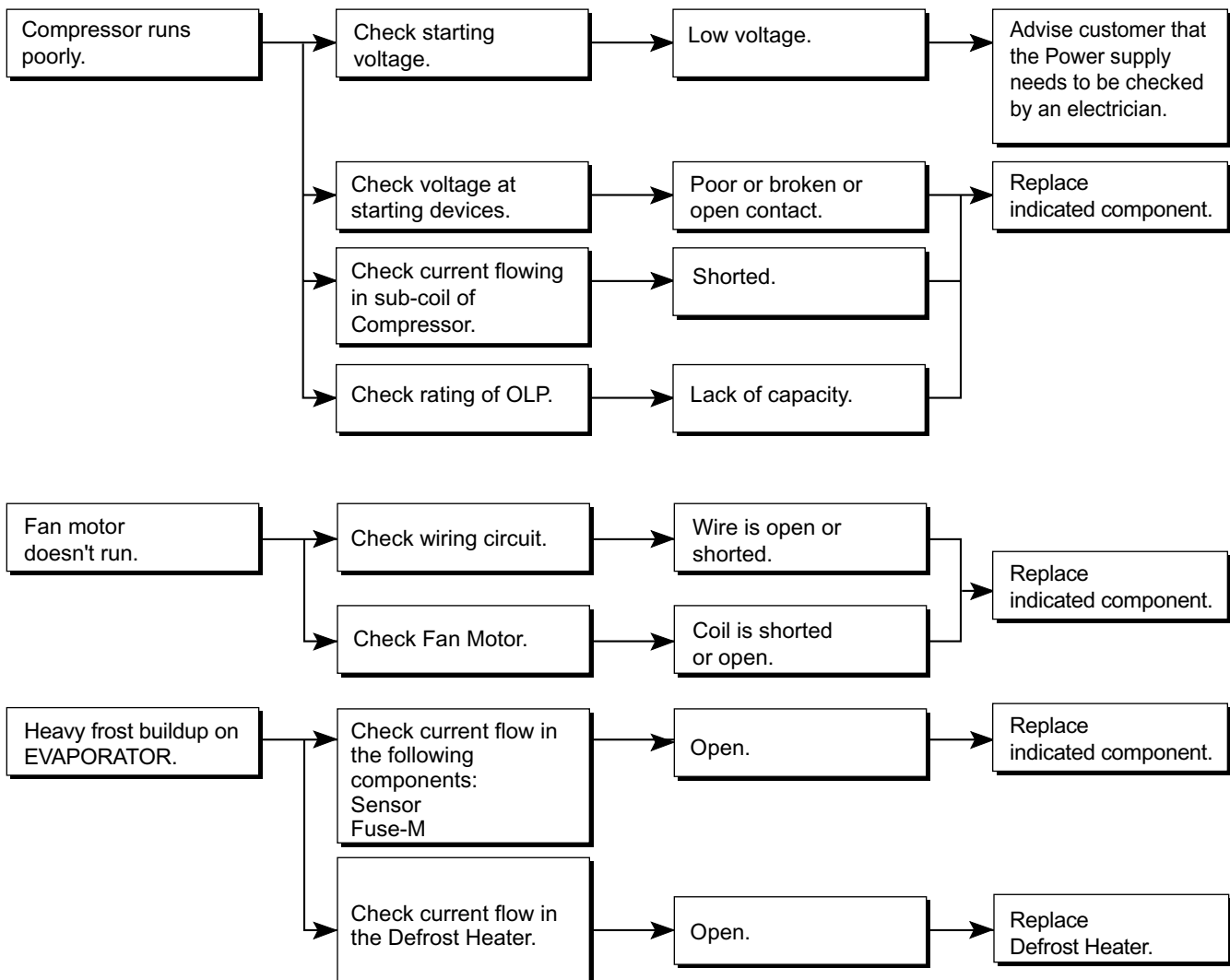
Figure 15

6-3 OTHER ELECTRICAL COMPONENTS

▼ Not cooling at all



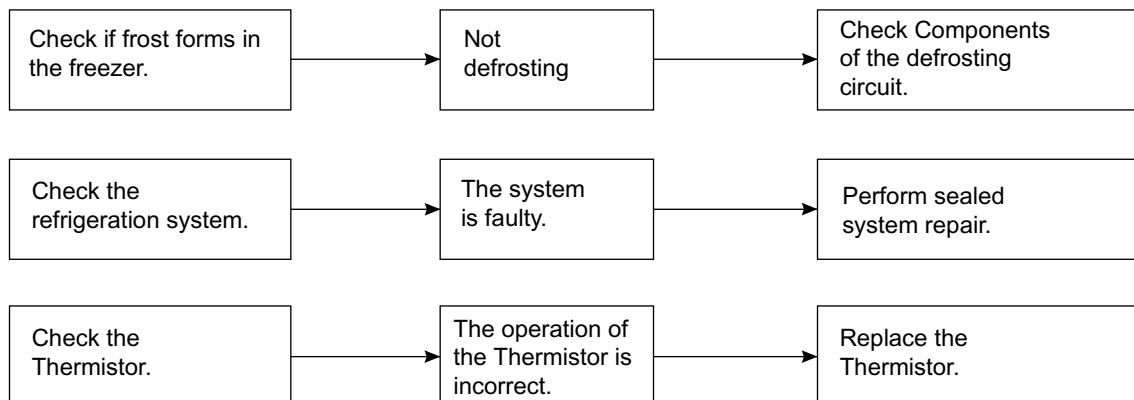
▼ Poor cooling performance



6-4 SERVICE DIAGNOSIS CHART

COMPLAINT	POINTS TO BE CHECKED	REMEDY
No Cooling.	- Is the power cord unplugged from the outlet? - Check if the power switch is set to OFF. - Check if the fuse of the power switch is shorted. - Measure the voltage of the power outlet.	- Plug into the outlet. - Set the switch to ON. - Replace the fuse. - If the voltage is low, correct the wiring.
Cools poorly.	- Check if the unit is placed too close to the wall. - Check if the unit is placed too close to the stove, gas cooker, or in direct sunlight. - Is the ambient temperature too high or the room door closed? - Check if food put in the refrigerator is hot. - Did you open the door of the unit too often or check if the door is sealed properly? - Check if the Control is set to Warm position.	- Place the unit about 4 inches (10 cm) from the wall. - Place the unit away from these heat sources. - Lower the ambient temperature. - Put in foods after they have cooled down. - Don't open the door too often and close it firmly. - Set the control to Recommended position.
Foods in the Refrigerator are frozen.	- Is food placed in the cooling air outlet? - Check if the control is set to colder position. - Is the ambient temperature below 41°F(5°C)?	- Place foods in the high-temperature section. (front part) - Set the control to Recommended position. - Set the control to Warm position.
Condensation or ice forms inside the unit.	- Is liquid food sealed? - Check if food put in the refrigerator is hot. - Did you open the door of the unit too often or check if the door is sealed properly?	- Seal liquid foods with wrap. - Put in foods after they have cooled down. - Don't open the door too often and close it firmly.
Condensation forms in the Exterior Case.	- Check if the ambient temperature and humidity of the surrounding air are high. - Is there a gap in the door gasket?	- Wipe moisture with a dry cloth. It will disappear in low temperature and humidity. - Fill up the gap.
There is abnormal noise.	- Is the unit positioned in a firm and even place? - Are any unnecessary objects placed in the back side of the unit? - Check if the Drip Tray is not firmly fixed. - Check if the cover of the compressor enclosure in the lower front side is taken out.	- Adjust the Leveling Screw, and position the refrigerator in a firm place. - Remove the objects. - Fix the Drip Tray firmly in the original position. - Place the cover in its original position.
Door does not close well.	- Check if the door gasket is dirty with an item like juice. - Is the refrigerator level? - Is there too much food in the refrigerator?	- Clean the door gasket. - Position in the firm place and level the Leveling Screw. - Make sure food stored in shelves does not prevent the door from closing.
Ice and foods smell unpleasant.	- Check if the inside of the unit is dirty. - Are foods with a strong odor unwrapped? - The unit smells of plastic.	- Clean the inside of the unit. - Wrap foods that have a strong odor. - New products smell of plastic, but this will go away after 1-2 weeks.

● Other possible problems:



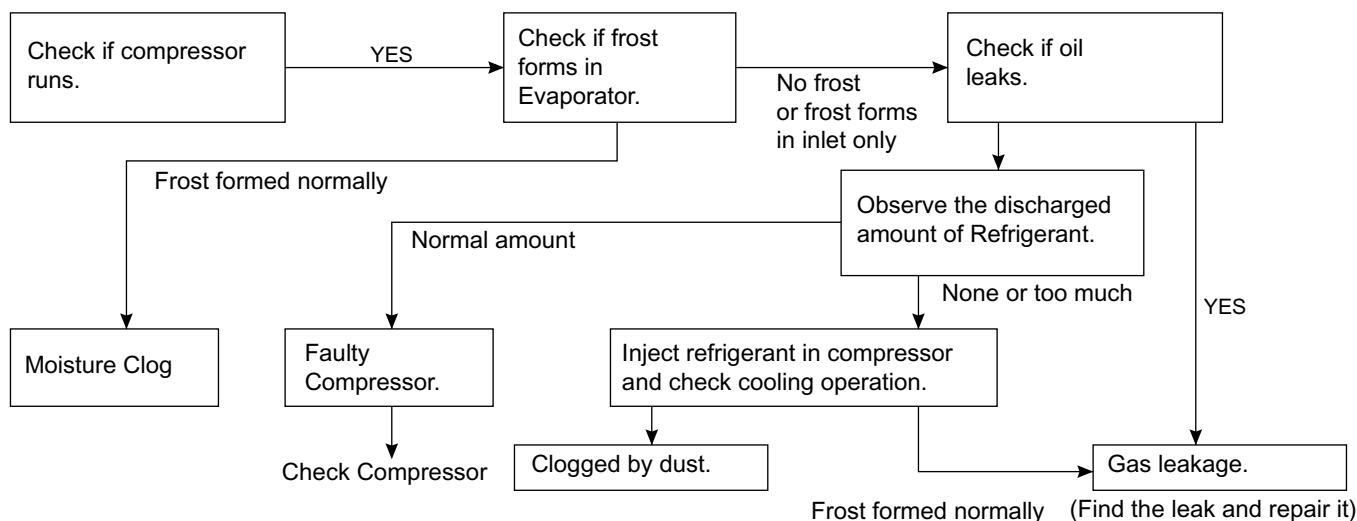
6-5 REFRIGERATION CYCLE

▼ Troubleshooting Chart

CAUSE		STATE OF THE UNIT	STATE OF THE EVAPORATOR	TEMPERATURE OF THE COMPRESSOR	REMARKS
LEAKAGE	PARTIAL LEAKAGE	Freezer compartment and Refrigerator don't cool normally.	Low flowing sound of Refrigerant is heard and frost forms in inlet only.	A little higher than ambient temperature.	- Refrigerant level is low due to a leak. - Normal cooling is possible by restoring the normal amount of refrigerant and repairing the leak.
	COMPLETE LEAKAGE	Freezer compartment and Refrigerator don't cool normally.	Flowing sound of refrigerant is not heard and frost isn't formed.	Equal to ambient temperature.	- No discharging of Refrigerant. - Normal cooling is possible by restoring the normal amount of refrigerant and repairing the leak.
CLOGGED BY DUST	PARTIAL CLOG	Freezer compartment and Refrigerator don't cool normally.	Flowing sound of refrigerant is heard and frost forms in inlet only.	A little higher than ambient temperature.	- Normal discharging of the refrigerant. - The capillary tube is faulty.
	WHOLE CLOG	Freezer compartment and Refrigerator don't cool.	Flowing sound of refrigerant is not heard and frost isn't formed.	Equal to ambient temperature.	Normal discharging of the Refrigerant.
MOISTURE CLOG		Cooling operation stops periodically.	Flowing sound of refrigerant is not heard and frost melts.	Lower than ambient temperature.	Cooling operation restarts when heating the inlet of the capillary tube.
DEFECTIVE COMPRESSION	COMP-RESSION	Freezer and Refrigerator don't cool.	Low flowing sound of refrigerant is heard and frost forms in inlet only.	A little higher ambient temperature.	Low pressure at high side of compressor due to low refrigerant level.
	NO COMP-RESSION	No compressing operation.	Flowing sound of refrigerant is not heard and there is no frost.	Equal to ambient temperature.	No pressure in the high pressure part of the compressor.

▼ Leakage Detection

- Observe the discharging point of the refrigerant, which may be in the oil discharging part of the compressor and in a hole in the evaporator.



▼ General Control of Refrigerating Cycle

NO.	ITEMS		UNIT	STANDARDS	PURPOSES	REMARKS
1	Pipe and piping system opening time		Min.	Pipe: within 1 hour. Comp: within 10 minutes. Drier: within 20 minutes.	To protect moisture penetration.	The opening time should be reduced to a half of the standards during rain and rainy seasons (the penetration of water into the pipe is dangerous).
2	Welding		Nitrogen pressure	Weld under Nitrogen atmosphere. (N ₂ pressure: 0.1~0.2 kg/cm ²)	To protect oxide scale formation.	- Refer to repair note in each part. - R-134a refrigerant is more susceptible to leaks than R-12 and requires more care during welding. - Do not apply force to pipes before and after welding to protect pipe from cracking.
3	N ₂ sealed parts		Confirm N ₂ leak	Confirm the sound of pressure relief when removing the rubber cap. Sound: usable No sound: not usable	To protect moisture penetration.	- In case of evaporator parts, if it doesn't make sound when removing rubber cap, blow dry air or N ₂ gas for more than 1 min. and then use the parts.
4	Refrigeration Cycle	Evacuation time	Min.	More than 40 minutes	To remove moisture.	
		Vacuum degree	Torr	Below 0.03 (ref)		Note: Only applicable to the model equipped with reverse flow protect plate.
		Vacuum	EA	High and low pressure sides are evacuated at the same time for models above 200 l.		Vacuum efficiency can be improved by operating compressor during evacuation.
		Vacuum piping	EA	Use R-134a manifold exclusively.	To protect mixing of mineral and ester oils.	The rubber pipes for R-12 refrigerant will be melted when they are used for R-134a refrigerant (causes of leak.)
		Pipe coupler	EA	Use R-134a manifold exclusively.	To protect R-12 refrigerant mixing.	
		Outlet (Socket)		R-134a manifold exclusively.	To protect R-12 refrigerant mixing.	
		Plug		R-134a manifold exclusively.	To protect R-12 refrigerant mixing.	
5	Refrigerant weighing		EA	Use R-134a exclusively. Weighing allowance: ±5g Note: Winter: -5g Summer: +5g	Do not mix with R-12 refrigerant.	- Do not weigh the refrigerant at too hot or too cold an area. (77°F [25°C] is adequate.) - Make Copper charging canister (Device filling refrigerant) - Socket: 2SV Plug: 2PV R-134a - Note: Do not burn O-ring (bushing) during welding.
6	Drier replacement			- Use R-134a exclusively for R-134a refrigerator. - Replace drier whenever repairing refrigerator cycle piping.	To remove the moisture from pipe inside.	
7	Leak check			- Do not use soapy water for check. It may be sucked into the pipe by a vacuum.	Defect in refrigerant leak area.	- Check for an oil leak at the refrigerant leak area. Use an electronic leak detector if an oil leak is not found. - The electronic leak detector is very sensitive to halogen gas in the air. It also can detect R-141b in urethane. Practice many times before using this type of detector to avoid false readings.

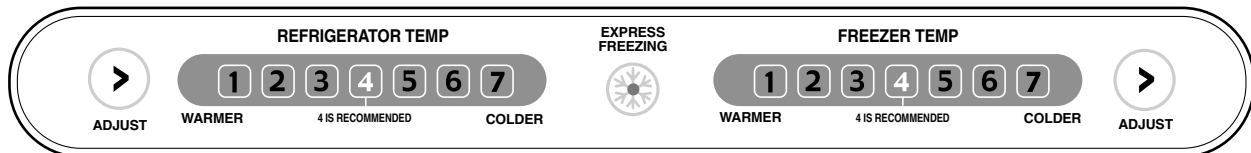
7. DESCRIPTION OF FUNCTION & CIRCUIT OF MICOM

7-1 FUNCTION

7-1-1 Function

1. When the appliance is plugged in, it is set to "4" for Refrigerator and "4" for freezer.
You can adjust the Refrigerator and the Freezer control temperature by pressing the ADJUST button.
2. When the power is initially applied or restored after a power failure, it is automatically set to "4" & "4".

BETTER / GOOD MODEL



7-1-2 Control of freezer fan motor

1. Freezer fan motor has high and standard RPMs.
2. High RPM is used when electricity is first on, for express freezing, and when refrigerator is overloaded.
But standard RPM is used for general purposes.
3. To improve cooling speed and load corresponding speed, the RPM of freezer fan motor shall change from normal speed to high speed.
4. High speed (2500RPM) : Initial power on or load corresponding operation, express freezing Normal speed (2200RPM) : General working conditions.
5. Fan motor stops when refrigerator or freezer door opens.

7-1-3 EXPRESS FREEZING

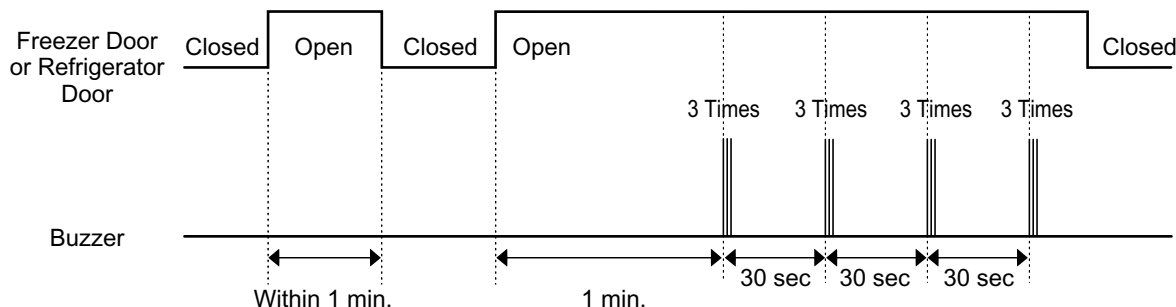
1. The purpose of this function is to intensify the cooling speed of freezer and to increase the amount of ice.
2. Whenever selection switch is pressed, selection/release, the LED will turn ON or OFF.
3. If there is a power cut and the refrigerator is power on again, EXPRESS FREEZING function will be canceled.
4. To activate these function you need to press the Express Freezing key and the LED will turn ON. This function will remain activated for 24 hrs. The first three hours the compressor and Freezer Fan will be ON. The next 21 hours the freezer will be controlled at the lowest temperature. After 24 hours or if the Express Freezing key is pressed again, the freezer will return to its previous temperature.
5. For the first three hours notice the following cases:
 - (1) Compressor and freezer fan(HIGH RPM) continuously operate for three hours.
 - (2) If defrost starts during EXPRESS FREEZING, EXPRESS FREEZING operates for the rest of time after defrost is completed, when EXPRESS FREEZING operation time is less than 90 minutes.
If EXPRESS FREEZING operates for more than 90 minutes, the EXPRESS FREEZING will operate for two hours after defrost is completed.
 - (3) If EXPRESS FREEZING is pressed during defrost, EXPRESS FREEZING LED is on but this function will start seven minutes after defrost is completed and it shall operate for three hours.
 - (4) If EXPRESS FREEZING is selected within seven minutes after compressor has stopped, the compressor (compressor delays seven minutes) shall start after the balance of the delay time.
 - (5) The fan motor in the freezer compartment rotates at high speed during EXPRESS FREEZING.
6. For the rest of 21 hours, the freezer will be controlled at the lowest temperature.

7-1-4. REFRIGERATOR LAMP AUTO OFF

1. To protect the risk of lamp heat, when Refrigerator door opens for 7 min., refrigerator lamp is auto off.

7-1-5 Alarm for Open Door

1. This feature sounds a buzzer when the freezer or refrigerator door is not closed within 1 minute after it is opened.
2. One minute after the door is opened, the buzzer sounds three times each for 1/2 seconds. These tones repeat every 30 seconds.
3. The alarm is cancelled when the freezer or the refrigerator is closed while the buzzer sounds.



7-1-6 Buzzer Sound

When the button on the front Display is pushed, a Ding~ Dong~ sound is produced.

(Refer to the Buzzer Circuit 7-2-4 No. 2)

7-1-7 Defrosting (removing frost)

1. Defrosting starts each time the COMPRESSOR running time reaches 7 hours.
2. For initial power on or for restoring power, defrosting starts when the compressor running time reaches 4 hours.
3. Defrosting stops if the sensor temperature reaches 46.4°F(8°C) or more. If the sensor doesn't reach 46.4°F(8°C) in 2 hours, the defrost mode is malfunctioning. (Refer to the defect diagnosis function, 7-1-9.)
4. Defrosting won't function if its sensor is defective (wires are cut or short circuited)

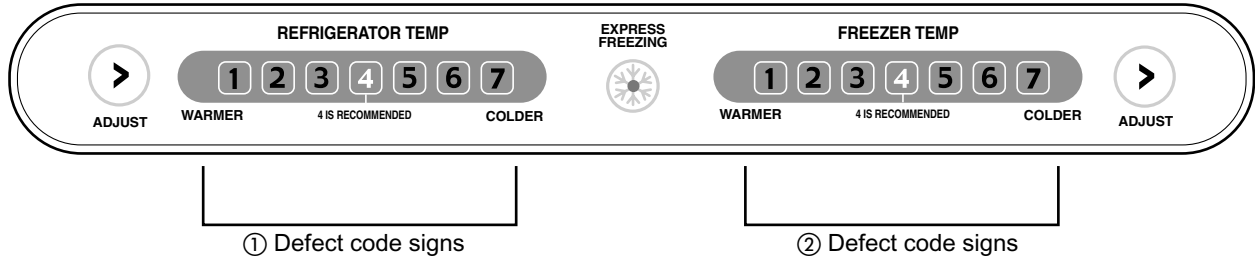
7-1-8 Electrical Parts Are Turned On Sequentially

Electrical parts such as COMP, defrosting heater, freezer FAN, etc. are turned on in the following order to prevent noise and parts damage. Several parts are started at the same time at initial power on and are turned off together when TEST is completed.

OPERATING		ORDERS		
Initial power on	Temperature of Defrosting Sensor is 45°C or more (when unit is newly purchased or when moved)	POWER ON	in 1/2 second →	COMP ON in 1/2 second → Freezer FAN ON
	Temperature of defrosting sensor is lower than 45°C (when power cuts, SERVICE)	POWER ON	in 1/2 second →	Defrosting heater ON in 10 second → Defrosting heater OFF in 1/2 second → COMP ON in 1/2 second → Freezer FAN ON
Reset to normal operation from TEST MODE		Total load OFF	in 7 minute →	COMP ON in 1/2 second → Freezer FAN ON

7-1-9 Defect Diagnosis Function

1. Automatic diagnosis makes servicing the refrigerator easy.
2. When a defect occurs, the buttons will not operate; but the tones. such as ding. will sound.
3. When the defect CODE removes the sign, it returns to normal operation (RESET).
4. The defect CODE shows on the Refrigerator and Freezer Display.



ERROR CODE on display panel

NO	ITEM	ERROR CODE		CONTENTS	REMARKS
		①	②		
1	Failure of freezer sensor	All off	● ○ ○ ○ ○ ○ ○	Cut or short circuit wire	Inspect Connecting wires on each sensor
2	Failure of Refrigerator sensor	All off	○ ● ○ ○ ○ ○ ○ ○	Cut or short circuit wire	
3	Failure of defrost sensor	All off	○ ○ ● ○ ○ ○ ○ ○	Cut or short circuit wire	
4	Poor of defrost	All off	● ● ● ● ○ ○ ○	2hours later After starting defrost, If sensor doesn't be over 46°F (8°C)	Snapping of defrost heater or Temperature fuse, pull-out of Connector (indicated minimum 2 Hours after failure occurs)

7-1-10 TEST Mode

1. The Test mode allows checking the PCB and the function of the product as well as finding out the defective part in case of an error.
2. The test mode is operated by pressing two buttons at Display panel.
3. While in the test mode, the function control button is not recognized, but the recognition tone (beep~) sounds.
4. After exiting the test mode, be sure to reset by unplugging and then plugging in the appliance.
5. If an error, such as a sensor failure, is detected while in the test mode, the test mode is cleared and the error code is displayed.
6. While an error code is displayed, the test mode will not be activated.

MODE	MANIPULATION	CONTENTS	REMARKS
TEST1	Push Express Freezing key and COLDER KEY of Freezer Temp. at the same time over 3 seconds.	1. Continuous operation of the COMPRESSOR 2. Continuous operation of the freezer fan 3. STEPPING DAMPER OPEN 4. Defrosting Heater OFF 5. Every DISPLAY LED ON	
TEST2	Push Express Freezing key and COLDER KEY of Freezer Temp. at the same time over 3 seconds in TEST MODE 1	1. COMP OFF 2. Freezer FAN OFF 3. STEPPING DAMPER CLOSE 4. Defrosting heater ON 5. DISPLAY LED 1, 3, 5, 7 ON	Reset if the temperature of the Defrosting sensor is 46°F (8°C) or more.
Reset	Push Express Freezing key and COLDER KEY of Freezer Temp. at the same time over 3 seconds. in TEST MODE 2	Reset to the previously setting before TEST MODE	The compressor will Start after a 7-minute delay.

NOTE : LED CHECK MODE: When the refrigerator temperature control and the freezer temperature control button at the same time are hold for 1 second or longer, every LED on the display turns on at the same time. when the button are relese, the previous mode is restored.

*** Freezer Fan RPM Variable Check:**

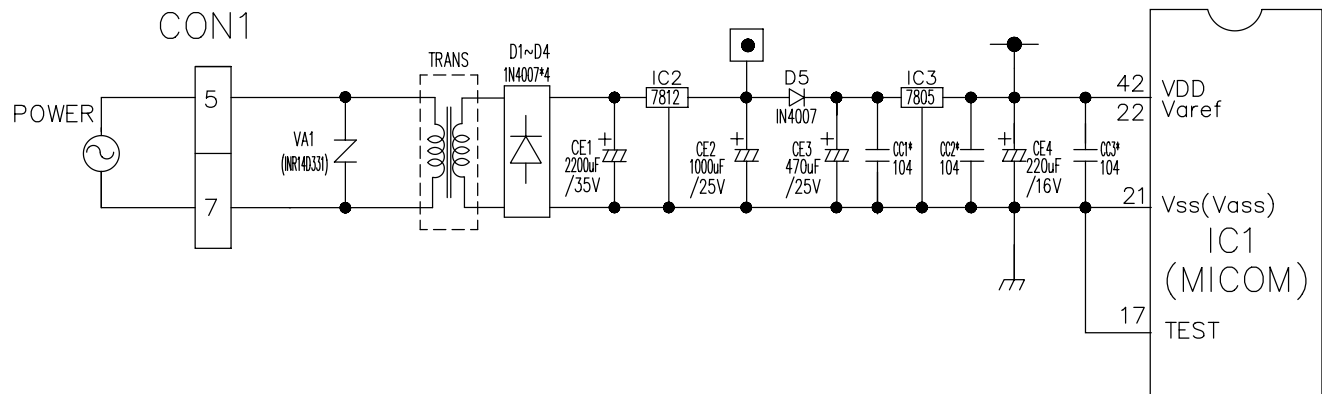
In case the freezer fan is in operation when the WARMER KEY in Refrigerator and Freezer Temp. Control are pressed for more than one second at the same time freezer fan RPM changes. (for example if high speed, to normal speed or if normal speed, to high speed for 30 seconds)
After 30 seconds, it turns to its original RPM.

*** Demonstration MODE:**

1. When the KEY of refrigerator Temp. control or of freezer Temp. control is pushed and held over 5 seconds, warmest temperature's It converts to Demonstration Mode.
2. In this status, each LED is rotated with 1 second interval.
3. In this status, all Loads are off (Compressor / Fan / Damper / Heater)
(Even is Demonstration Mode, the refrigerator Lamp automatic off function warks normally and can be demonstrated)
4. It reset if you do again as clause.

7-2 PCB FUNCTION

7-2-1 Power Circuit



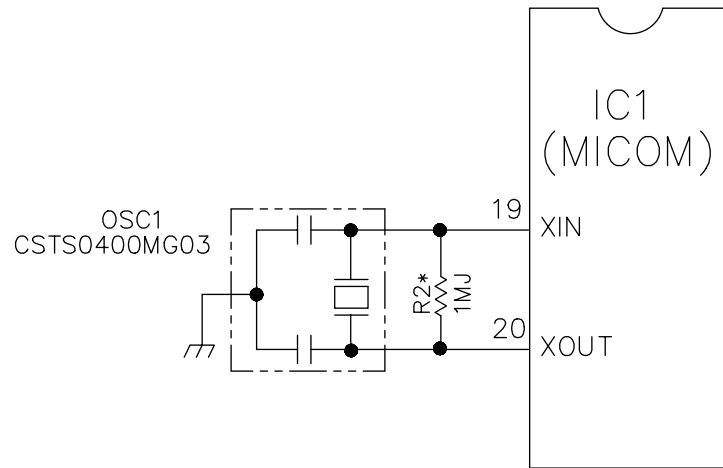
The secondary part of the TRANSFORMER is composed of the power supply for the display, the BLDC FAN Motor drive (15.5 V), the relay drive (12 Vdc) and the MICOM and IC (5 Vdc).

The voltage for each part is as follows:

PART	VA 1	CE 3	CE 4	CE 5
VOLTAGE	115 Vac	12 Vdc	15.5 Vdc	5 V

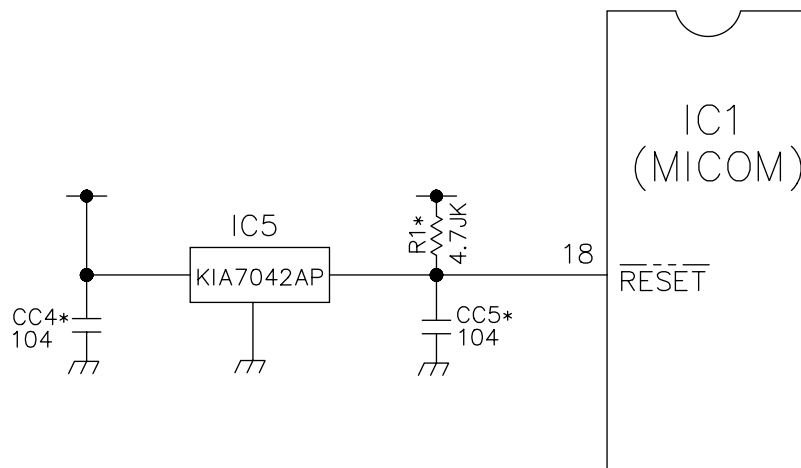
VA1 is a part for preventing over voltage and noise. When 385V or higher power is applied, the inside elements are short-circuited and broken, resulting in blowout of the fuse in order to protect the elements of the secondary part of the TRANSFORMER.

7-2-2 Oscillation Circuit



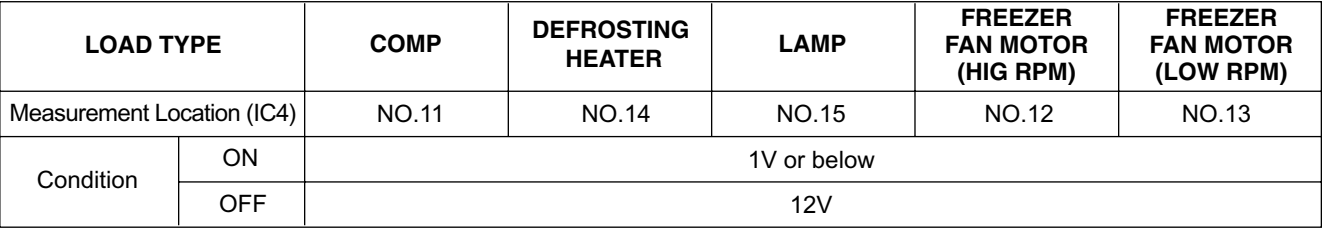
This circuit generates the base clock for calculating time and the synchro clock for transmitting data from and to the inside logic elements of the IC1 (MICOM). Be sure to use specific replacement parts, since calculating time by the IC1 may be changed. If changed, the OSC1 SPEC will not work.

7-2-3 Reset Circuit

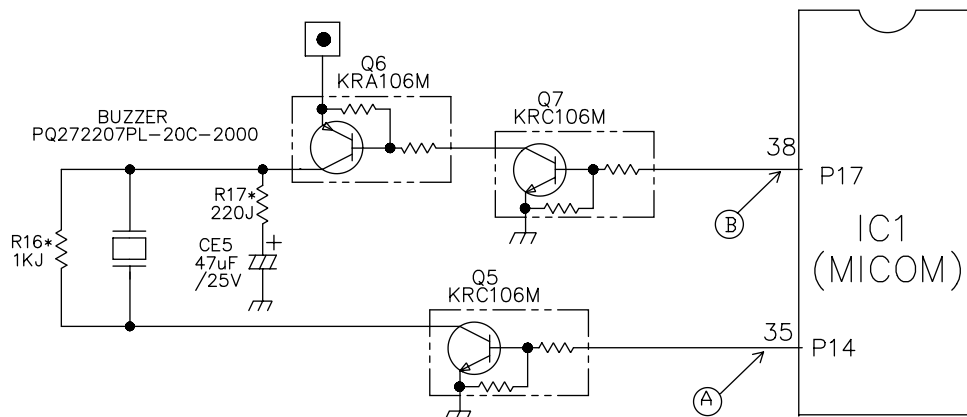


The RESET circuit allows all the functions to start at the initial conditions by initializing various parts, including the RAM inside the MICOM (IC1) when the power is initially supplied or the power supply to the MICOM is restored after a momentary power failure. For the initial 10ms of power supply, LOW voltage is applied to the MICOM RESET terminal. During a normal operation, 5V is applied to the RESET terminal. (If a malfunction occurs in the RESET IC, the MICOM will not operate.)

1. Load Drive Condition Check

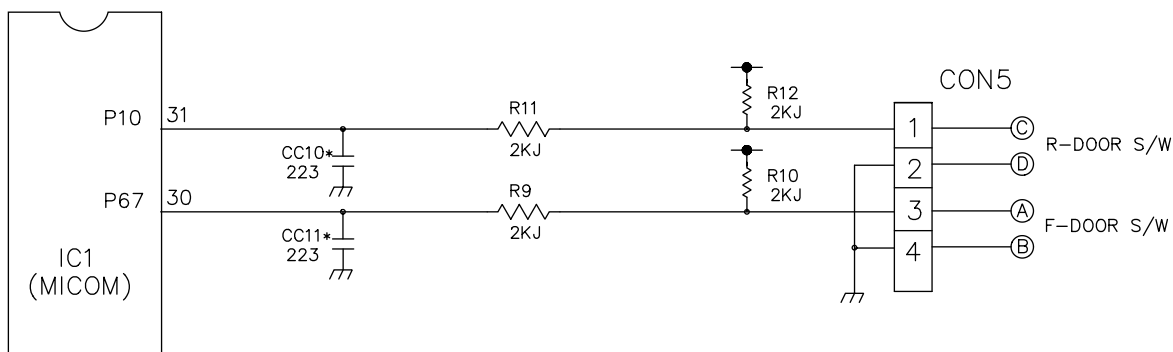


2. Buzzer Drive Condition Check



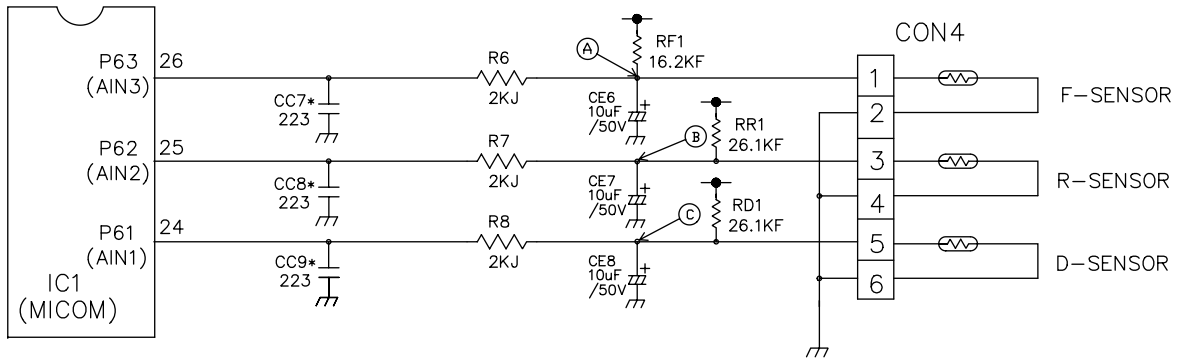
Condition Measurement Location	Tone (Ding~Dong~) when the button on the display is pushed.	Alarm for open door (beep-beep-beep)	OFF
IC1 (A)	0.05 s 0.2 s 0.1 s 2 s 5 V 0 V	0.5 s 0.5 s 5 V 0 V	0 V
IC1 (B)	5 V 0 V 2.63 kHz (Ding~) 2.21 kHz (Dong~)	5 V 0 V 2.63 kHz (Beep~) OFF	0 V

3. Open Door Detection Circuit Check



Freezer/ Refrigerator Door	Measurement Location	(PIN NO.31 & PIN NO.30)
Closed		5 V
Open		0 V

7-2-5 Temperature Sensor Circuit



The upper CIRCUIT reads REFRIGERATOR temperature, FREEZER Temperature, and DEFROST-SENSOR temperature for defrosting and the indoor temperature for compensating for the surrounding temperature into MICOM. OPENING or SHORT state of each TEMPERATURE SENSOR are as follows:

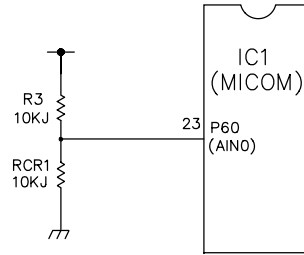
SENSOR	CHECK POINT	NORMAL (-30°C ~ 50°C)	SHORT-CIRCUITED	OPEN
Freezer Sensor	POINT ① Voltage	0.5 V ~ 4.5 V	0 V	5 V
Refrigerator Sensor	POINT ② Voltage			
Defrosting Sensor	POINT ③ Voltage			

* The circuit shown below is the damper circuit to regulate the refrigerator temperature.



7-2-7 Temperature Compensation & Overcooling/Undercooling Compensation Circuit

1. Refrigerator Temperature Compensation



Refrigerator		Remark
Resistance (RCR)	Temperature Compensation	
180 K Ω	+2.5°C	Compensation by raising the temperature ↑
56 K Ω	+2.0°C	
33 K Ω	+1.5°C	
18 K Ω	+1.0°C	
12 K Ω	+0.5°C	
10 K Ω	0 °C	Standard Temperature
8.2 K Ω	-0.5°C	Compensation by lowering the temperature ↓
5.6 K Ω	-1.0°C	
3.3 K Ω	-1.5°C	
2 K Ω	-2.0°C	
470 Ω	-2.5°C	

◆ Table of Temperature Compensation by adjusting the resistance (difference from the current temperature) e.g., If the refrigerator compensation resistance (RCR) is changed from 10K (the current resistance) to 18K (the adjustment resistance), the temperature of the refrigerator rises 33.8°F(+1°C).

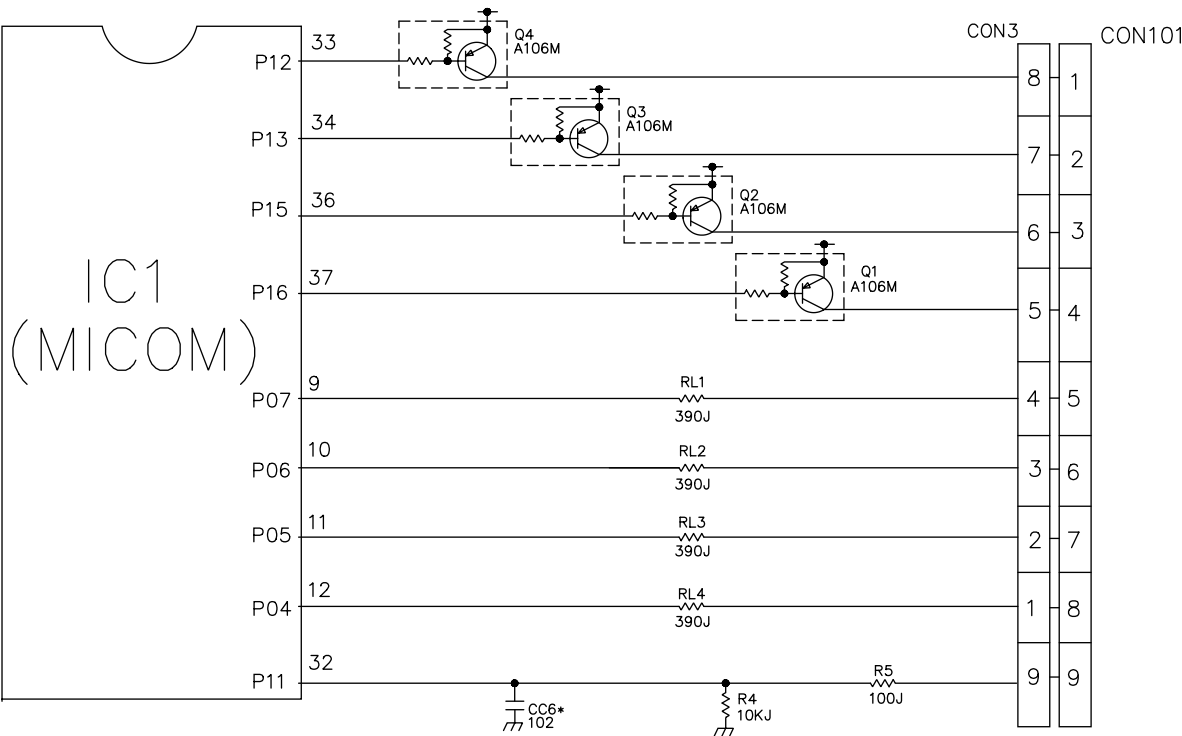
2. The temperature compensation for refrigerator compartment is in the following table:

		Revised resistance Present resistance	470 Ω	2k Ω	3.3k Ω	5.6k Ω	8.2k Ω	10k Ω	12k Ω	18k Ω	33k Ω	56k Ω	180k Ω
	Refrigerator (RCR)												
	470 Ω	No change	0.5°C Up	1°C Up	1.5°C Up	2°C Up	2.5°C Up	3°C Up	3.5°C Up	4°C Up	4.5°C Up	5°C Up	
	2k Ω	0.5°C Down	No Change	0.5°C Up	1°C Up	1.5°C Up	2°C Up	2.5°C Up	3°C Up	3.5°C Up	4°C Up	4.5°C Up	
	3.3k Ω	1°C Down	0.5°C Down	No Change	0.5°C Up	1°C Up	1.5°C Up	2°C Up	2.5°C Up	3°C Up	3.5°C Up	4°C Up	
	5.6k Ω	1.5°C Down	1°C Down	0.5°C Down	No Change	0.5°C Up	1°C Up	1.5°C Up	2°C Up	2.5°C Up	3°C Up	3.5°C Up	
	8.2k Ω	2°C Down	1.5°C Down	1°C Down	0.5°C Down	No Change	0.5°C Up	1°C Up	1.5°C Up	2°C Up	2.5°C Up	3°C Up	
	10k Ω	2.5°C Down	2°C Down	1.5°C Down	1°C Down	0.5°C Down	No Change	0.5°C Up	1°C Up	1.5°C Up	2°C Up	2.5°C Up	
	12k Ω	3°C Down	2.5°C Down	2°C Down	1.5°C Down	1°C Down	0.5°C Down	No Change	0.5°C Up	1°C Up	1.5°C Up	2°C Up	
	18k Ω	3.5°C Down	3°C Down	2.5°C Down	2°C Down	1.5°C Down	1°C Down	0.5°C Down	No Change	0.5°C Up	1°C Up	1.5°C Up	
	33k Ω	4°C Down	3.5°C Down	3°C Down	2.5°C Down	2°C Down	1.5°C Down	1°C Down	0.5°C Down	No Change	0.5°C Up	1°C Up	
	56k Ω	4.5°C Down	4°C Down	3.5°C Down	3°C Down	2.5°C Down	2°C Down	1.5°C Down	1°C Down	0.5°C Down	No Change	0.5°C Up	
	180k Ω	5°C Down	4.5°C Down	4°C Down	3.5°C Down	3°C Down	2.5°C Down	2°C Down	1.5°C Down	1°C Down	0.5°C Down	No Change	

NOTE: This circuit is designed to input the necessary temperature compensation values into the MICOM. This adjusts the refrigerator temperature, which is different in each model.

7-2-8 Key Button Input & Display Light-On Circuit

◆ The circuit shown above determines whether a function control key on the operation display is pushed. It also turns on the corresponding function indication LED DISPLAY. The drive type is the scan type.



7-3 RESISTANCE SPECIFICATION OF SENSOR

TEMPERATURE DETECTED BY SENSOR	RESISTANCE OF FREEZER SENSOR	RESISTANCE OF REFRIGERATOR & DEFROST SENSOR & ROOM SENSOR
- 20 °C	22.3 KΩ	77 KΩ
- 15 °C	16.9 KΩ	60 KΩ
- 10 °C	13.0 KΩ	47.3 KΩ
- 5 °C	10.1 KΩ	38.4 KΩ
0 °C	7.8 KΩ	30 KΩ
+ 5 °C	6.2 KΩ	24.1 KΩ
+ 10 °C	4.9 KΩ	19.5 KΩ
+ 15 °C	3.9 KΩ	15.9 KΩ
+ 20 °C	3.1 KΩ	13 KΩ
+ 25 °C	2.5 KΩ	11 KΩ
+ 30 °C	2.0 KΩ	8.9 KΩ
+ 40 °C	1.4 KΩ	6.2 KΩ
+ 50 °C	0.8 KΩ	4.3 KΩ

- The resistance of the SENSOR has a $\pm 5\%$ common difference.
- Measure the resistance of the SENSOR after leaving it for over 3 minutes in the measuring temperature.
This delay is necessary due to sensor response speed.

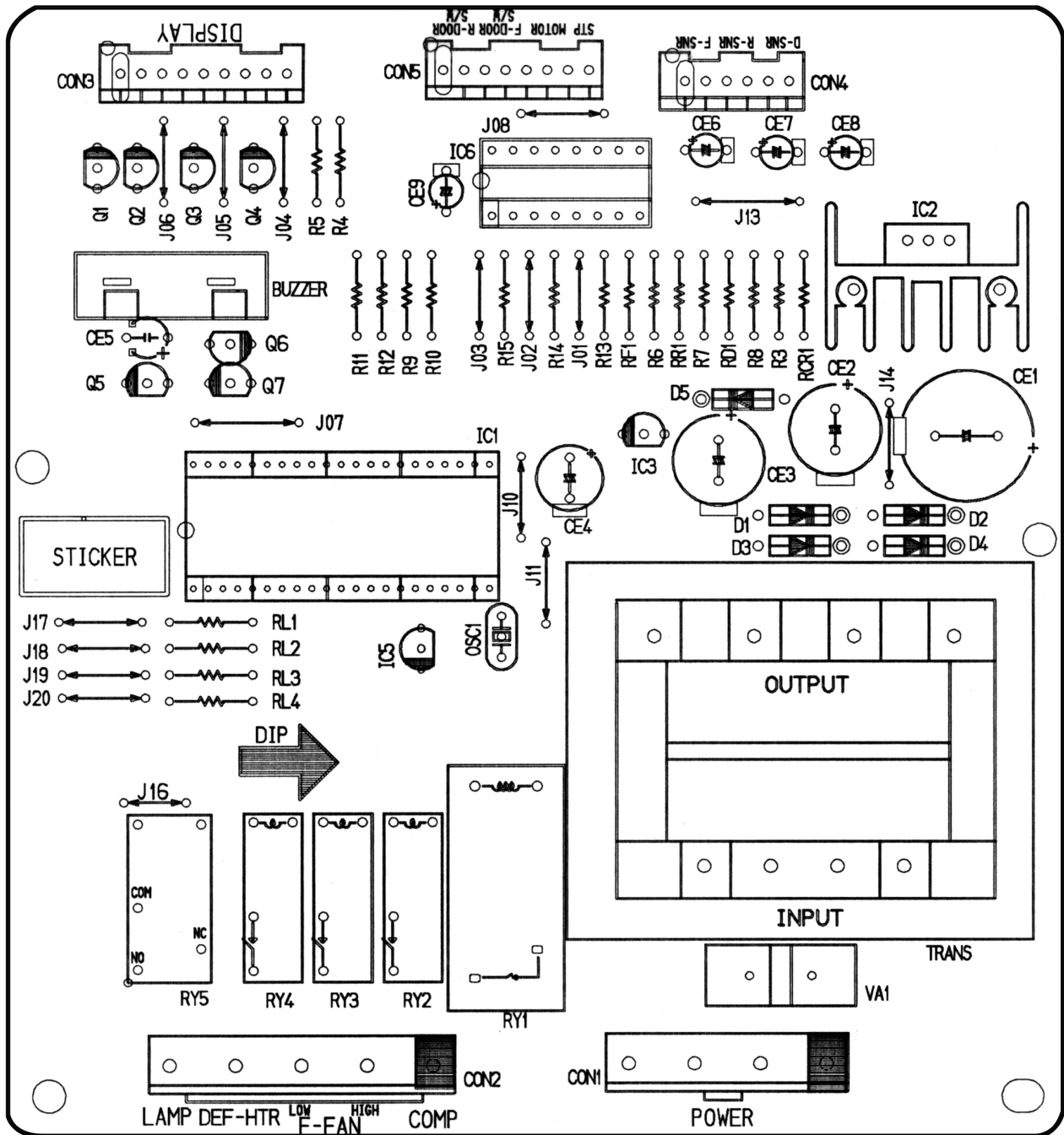
7-4 TROUBLESHOOTING

PROBLEM	INDICATED BY	CHECK	CHECKING METHOD	CAUSE	SOLUTION	
POWER SOURCE is poor.	1. The whole DISPLAY LED/SEVEN SEGMENT DISPLAY is off. 2. DISPLAY LED/ SEVEN SEGMENT DISPLAY operates abnormally	1. FREEZER/ REFRIGERATOR.	Check if FREEZER/ REFRIGERATOR DOOR IS OPEN and check display.	POWER SOURCE is poor.	Check outlet Voltage.	
		2. If LAMP is dim.	Check visually.	Applied voltage error.	Use boosting TRANS.	
		3. The connection of the MAIN PWB CONNECTOR.	Check connection of CONNECTOR.	CONNECTOR connection is poor.	Reconnect CONNECTOR.	
				TRANS FUSE is open.	Replace TRANS.	
COOLING is poor.	NO COOLING.	1. If the COMPRESSOR operate.	USE TEST MODE1 (forced COOLING). If less than 7 minutes pass after compressor shuts off, don't press the KEY and wait.	COMPRESSOR locked or blocked.	Replace COMPRESSOR.	
				OLP, PTC is poor.	Replace OLP, PTC.	
				COMPRESSOR RELAY is poor.	Replace MAIN PWB.	
				THE CONNECTING WIRE is poor.	Check the connection of the black wire of the MAIN PWB CONNECTOR (CON2).	
		2. If refrigerant is leaking.	Measure the amount of frost sticking on EVAPORATOR and the surface temperature of the condenser pipe.	Refrigerant leakage.	Replace the leaking part and replace any lost refrigerant.	
		1. If FAN MOTOR operates.	USE TEST MODE1 (forced COOLING).	FAN MOTOR is poor.	Replace the FAN MOTOR.	
				CONNECTING WIRE is poor.		Certify the MOTOR and the connection of the black wire of the MAIN PWB CONNECTOR (CON2).
		FREEZER TEMPERATURE is incorrect		2. If DEFROSTING is normal.	Check the amount of frost sticking on the EVAPORATOR.	DEFROSTING is poor.
3. If SENSOR is normal.	Check the resistance of the Refrigerator SENSOR.			SENSOR RESISTANCE is poor.	Replace SENSOR.	
4. Door Line contact.	Check the seal when the door is closed.			Door liner damaged.	Replace door liner.	

PROBLEM	INDICATED BY	CHECK	CHECKING METHOD	CAUSE	SOLUTION
COOLING is poor.	If REFRIGERATOR TEMPERATURE is too low.	1. If FREEZER TEMPERATURE is normal.	Check is FREEZER TEMPERATURE is too low.		Make sure the DOOR is attached.
		2. If amount of cool air from FAN MOTOR is sufficient.	Make sure that the amount and speed of cool air are sufficient by touching the check supplied on the REFRIGERATOR.	FAN MOTOR is poor. Passage of cool air is blocked. EVA frozen.	Replace FAN MOTOR. Remove impurities. See DEFROSTING is poor.
		3. Door Line contact.	Check door seal when door is closed.	Door liner damaged.	Replace Door liner.
		1. If HEATER emits heat.	USE TEST MODE2 (forced DEFROSTING).	HEATER disconnection.	Replace HEATER.
DEFROSTING is poor.	NO DEFROSTING.			TEMPERATURE FUSE disconnection.	Replace TEMPERATURE FUSE.
				Connection is poor.	Check EVAPORATOR connection and wire of MAIN PWB CONNECTOR.
				DEFROST-SENSOR is poor.	Replace DEFROST-SENSOR.
				HEATER RELAY is poor.	Replace RY3 of MAIN PWB.
		2. If DRAIN PIPE is blocked.	Check DRAIN PIPE.	DRAIN PIPE is blocked.	Remove ice and impurities. Check HEATER PLATE resistance.
		3. If ice remains after DEFROSTING.	Make sure that DEFROST SENSOR is connected. Make sure that FREEZER/ REFRIGERATOR DOOR is closed.	Connection is poor. DOOR does not close properly.	Reassemble the DEFROST-SENSOR. Reassemble DOOR. Replace GASKET.

7-5 MAIN PWB ASSEMBLY AND PARTS LIST

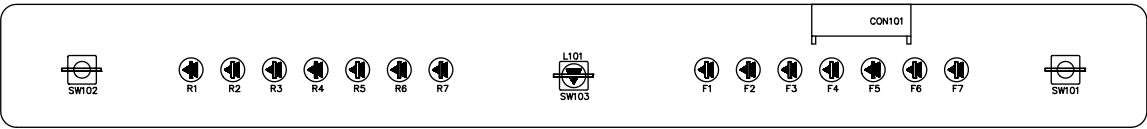
7-5-1 Main PWB Assembly



7-5-2 Replacement Parts List

No	P/NO	DESCRIPTION	SPEC	MAKER	REMARK
1	6870JB8089B	PWB(PCB)	KS-PJT GOOD MDL	DDO SAN	T=1.6
2	6170JB2002H	TRANSFORMER,LOW VOLTAGE	240V 15V YES GR-MICOM ONE TAB	TAE SUNG	TRANS
3	6170JB2002M	TRANSFORMER,LOW VOLTAGE	260V 15V YES GR-MICOM ONE TAB	TAE SUNG	TRANS
4	6170JB2002R	TRANSFORMER,LOW VOLTAGE	140V 15V YES GR-MICOM ONE TAB	TAE SUNG	TRANS
5	6170JB2002W	TRANSFORMER,LOW VOLTAGE	115V 15V YES GR-MICOM ONE TAB	TAE SUNG	FRANS
6	6630AQ9106C	CONNECTOR (CIRC),WAFER	YW396-07AV YEDNHO 7PIN 3.96MM STRAIGHT SN	YEDN HO	C0N1
7	6630AQ9106D	CONNECTOR (CIRC),WAFER	YW396-09AV	YEDN HO	C0N2
8	6630AQ9106B	CONNECTOR (CIRC),WAFER	YW396-05AV	YEDN HO	-
9	6630JB8007G	CONNECTOR (CIRC),WAFER	917786-1 AMP 8PIN 2.5MM STRAIGHT SN	AMP	C0N5
10	6630JB8007H	CONNECTOR (CIRC),WAFER	917787-1 AMP 9PIN 2.5MM STRAIGHT SN	AMP	C0N3
11	6630JB8007E	CONNECTOR (CIRC),WAFER	917784-1 AMP 6PIN 2.5MM STRAIGHT SN	AMP	C0N4
12	01ZZJB2023L	IC,DRAWING	TMP87C846N 42 SDIP BK KS-BETTER/GOOD(MASK)	TOSHIBA	IC1(01ZZJB2022M)
13	01ZZJB2022	IC,DRAWING	-	TOSHIBA	IC1(01ZZJB2022)
14	01ZZJB2022	IC,DRAWING	-	TOSHIBA	IC1(01ZZJB2022)
15	01KE781200B	IC,KEC	KIA7812PI 12V 1A,KEC - - - -	KEC	IC2
16	01KE781200M	IC,KEC	KIA7812PI 3DIP BK 12V 1A REFORM	KEC	-
17	01KE780500A	IC,KEC	KIA78S05P,3PIN,DIP. KEC	KEC	IC3
18	01STLM1001A	IC,STANDARD LOGIC	M54563FP MITSUBISHI 20 R/TP CONVERT	MITSUBISHI	-
19	01TD777400A	IC,TOSHIBA	TA7774AP 16 SDIP BK STEPPING MOTOR	TOSHIBA	IC6
20	01KE650030C	IC,KEC	KID65003AF 16SDIP BK 7CH DRIVER	KEC	IC4
21	01KE704200A	IC,KEC	KIA7042P 3P BK RESET	KEC	IC5
22	01RH934600D	IC,RDHM	BR93LC46RF-W 8PIN SDP BK EEPROM -	RDHM	-
23	6920000001A	RELAY	ALE15B12 MATSUSHITA 250VAC 16A 12VDC 1A NO VENTING	NAIS	RY1
24	6920WRD010A	RELAY	US11-12S YUYU 250VAC 3A 12VDC 1A	YUYU	-
25	6920JB2003B	RELAY	ALD112 MATSUSHITA 250VAC 3A 12VDC 1A	EMRON	RY2~RY4
26	6920JB2009A	RELAY	G5S-1 DMRIN 12V 3A 227V 1C	EMRON	RY5
27	6212JB8001B	RESNATOR,CERAMIC	CST50400 MURATA 4MHZ +/- 0.5% 15PF TP NONE	MURATA	OSC1(J570-00012B)
28	6102W5V006A	VARISTOR	INR14D331 ILJIN UL/CSA/VDE BK	ILJIN	VA1
29	6102JB8003A	VARISTOR	INR14D271 ILJIN UL/VDE TP 270V	ILJIN	VA1
30	6102JB8001B	VARISTOR	INR14D621 ILJIN UL/VDE BK 620V	ILJIN	VA1
31	8DD400709AA	DIODE,RECTIFIERS	1N4007 TP MOTOROLA - - 1A - - -	DELTA	D1~D5
32	0CE2286J610	CAPACITOR,AL,ELECTROLYTIC	2200 UF SMS,SG 35V M FL BULK	SAM HWA	CE1
33	0CE1086J610	CAPACITOR,FIXED ELECTROLYTIC	1000UF SMS,SG 35V 20% FL BULK	SAM HWA	-
34	0CE1086H618	CAPACITOR,AL,ELECTROLYTIC	1000 UF SMS,SG 25V M FL TP 5	SAM HWA	CE2
35	0CE4776H618	CAPACITOR,FIXED ELECTROLYTIC	470UF SMS,SG 25V 20% FL TP 5	SAM HWA	CE3
36	0CE2276F638	CAPACITOR,FIXED ELECTROLYTIC	220UF SMS,SG 16V 20% FMS TP 5	SAM HWA	CE4
37	0CE1076H638	CAPACITOR,FIXED ELECTROLYTIC	100UF SMS,SG 25V 20% FMS TP 5	SAM HWA	-
38	0CE1066K638	CAPACITOR,FIXED ELECTROLYTIC	10UF SMS,SG 50V 20% FMS TP 5	SAM HWA	CE6~CE8
39	0CE1056K638	CAPACITOR,FIXED ELECTROLYTIC	1UF SMS,SG 50V 20% FMS TP 5	SAM HWA	CE9
40	0CE4761H638	CAPACITOR,FIXED ELECTROLYTIC	47UF SMS,SG 25V 20% FMS TP 5	SAM HWA	CE5
41	0CQ2231N409	CAPACITOR,POLYESTER	0.022 UF D 100V J PE TP	SAM HWA	-
42	0CK102DK96A	CAPACITOR,FIXED CERAMIC(HIGH DIELECTRIC)	1NF 2012 50V 80%,-20% R/TP X7R	SAM HWA	CC6
43	0CK223DK96A	CAPACITOR,FIXED CERAMIC(HIGH DIELECTRIC)	22NF 2012 50V 80%,-20% R/TP X7R	SAM HWA	CC7~CC11
44	0CK104DK94A	CAPACITOR,FIXED CERAMIC(HIGH DIELECTRIC)	100NF 2012 50V R/TP (GRM40X7R104K50PE)	MURATA	CC1~CC5
45	0CK104DK949	CAPACITOR,FIXED CERAMIC(HIGH DIELECTRIC)	0.1UF D 50V 80%,-20% F(Y5V) TA52	SAM HWA	-
46	0RD3900G609	RESISTOR,FIXED CARBON FILM	390 OHM 1/4 W 5.00% TA52	SMART	RL1~RL4
47	0RD1000G609	RESISTOR,FIXED CARBON FILM	100 OHM 1/4 W 5.00% TA52	SMART	R5
48	0RJ1001E672	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1/8 W 5% 2012 R/TP	RDHM	R16
49	0RJ2001E672	RESISTOR,METAL GLAZED(CHIP)	2K OHM 1/8 W 5% 2012 R/TP	RDHM	-
50	0RD2001G609	RESISTOR,FIXED CARBON FILM	2K OHM 1/4 W 5.00% TA52	SMART	R6~R12
51	0RH2200L622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1/8 W 2012 5.00% D	RDHM	R17
52	0RJ2201E672	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1/8 W 5% 2012 R/TP	RDHM	-
53	0RJ4701E672	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1/8 W 5% 2012 R/TP	RDHM	R1
54	0RJ4701E672	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1/8 W 5% 2012 R/TP	RDHM	-
55	0RD4701G609	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/4 W 5.00% TA52	SMART	-
56	0RJ1002E672	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1/8 W 5% 2012 R/TP	RDHM	-
57	0RJ1002E672	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1/8 W 5% 2012 R/TP	RDHM	-
58	0RD1002G609	RESISTOR,FIXED CARBON FILM	10K OHM 1/4 W 5.00% TA52	SMART	R3,R4,RCR1,R13~R15
59	0RJ2702E672	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1/8 W 5% 2012 R/TP	RDHM	-
60	0RJ1004E672	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1/8 W 5% 2012 R/TP	RDHM	R2
61	0RJ2612E472	RESISTOR,FIXED METAL FILM	26.1K OHM 1/4 W 1.00% TA52	SMART	RR1,RD1
62	0RJ622E472	RESISTOR,FIXED METAL FILM	16.2K OHM 1/4 W 1.00% TA52	SMART	RF1
63	3J03565D	FUSE,DRAWING	9A 250V - -	SAM JU	-
64	0TR106009AC	TRANSISTOR	KRA106M(KRA2206) TP KEC	KEC	Q1~Q4 Q6
65	0TR106009AF	TRANSISTOR	KRC 106M KEC	KEC	Q5,Q7
66	0TR319809AA	TRANSISTOR	KTC3198-TP-Y (KTC1815)KEC	KEC	-
67	6908JB3002D	BUZZER	PQ272207PL-20C-2000 SUNWAY PIEZO 2KHZ 80DB (CHINA)	SUNWAY	BUZZER
68	6600RRT001Z	SWITCH,TACT	JTP1280A6 JEIL 12V DC 50MA	JEIL	-
69	6854B50001A	JUMP WIRE	0.6MM 52MM TP TAPING SN(8MM)	-	J16
70	6854B50001A	JUMP WIRE	0.6MM 52MM TP TAPING SN(10MM)	-	J1~J6,J8,J10,J14,J17~J20
71	6854B50001A	JUMP WIRE	0.6MM 52MM TP TAPING SN(12.5MM)	-	J13
72	6854B50001A	JUMP WIRE	0.6MM 52MM TP TAPING SN(12.5MM)	-	J07
73	6854B50001A	JUMP WIRE	0.6MM 52MM TP TAPING SN	-	-
74	6854B50001A	JUMP WIRE	0.6MM 52MM TP TAPING SN	-	-
75	4920JB3003A	HEAT SINK	30*25*30 1C-12V R-B50,S1,52,53,54,55,56 2PIN 1-SCREW 3	-	(IC2)
76	1SBF0302418	SCREW TAP TITE(S),BINDING HEAD	+ D3.0 L8.0 MSWR3/FZY	-	(IC2)
78	9VWF0120000	SOLDER(ROSN WIRE) RSO	DI.20	HEE SUNG	-
79	49111004	SOLDER,SOLDERING	H63A	-	-
80	59333105	FLUX	SGJ0.825-0.830 KOREA F.H-206	KOKI	-

7-5-3 PWB Assembly, Display, And Parts List



Qty	No	P/NO	DESCRIPTION	SPEC	MAKER	REMARK
1	1	6870JB8091A	PWB(PCB)	KS-PJT GOOD/BETTER DISPLAY	DOO SAN	t=1.6
	2					
1	3	6630AQ9159H	WAFER	SMAW250-09	YEON HO	CON101
	4					
2	5	6600RRT002K 6600JB8005A	SWITCH,TACT	JTP1230A JEIL 12V DC 50MA KPT-1105A	JEIL KYUNG IN	SW101,102
1	6	-	TACT S/W	KPT-1109G	KYUNG IN	SW103
14	7	0DLLE0019AA	LED	LT1824-81-BCM TP GREEN 2		R1~R7,F1~F7
3	8	0DD414809AA	DIODE,SWITCHING	1N4148 26MM	PYUNG CHANG DELTA	D101,102,103
12	10	6854B50001A	JUMP WIRE	0.6MM 52MM TP TAPING SN (10MM)	-	J101~J112
	11					
-	12	9VWF0120000	SOLDER(RDSIN WIRE) RS0	D1.20	HEE SUNG	-
0.01	13	49111004	SOLDER,SOLDERING	H63A	-	-
0.0005	14	59333105	FLUX	SG;0.825-0.830 KOREA F.H-206	KOKI	-

7-6 PWB DIAGRAM

7-6-1 PWB Main Assembly

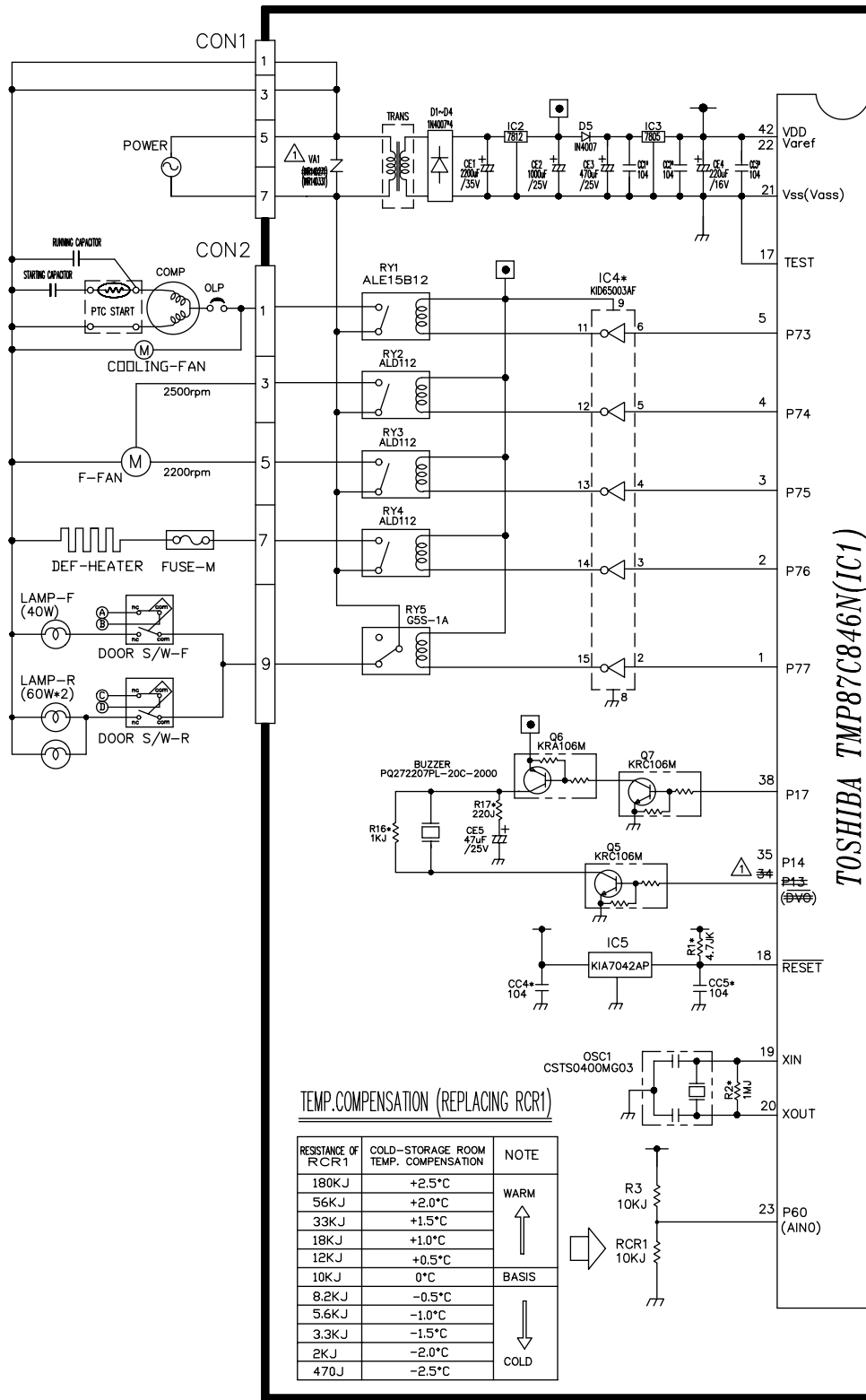
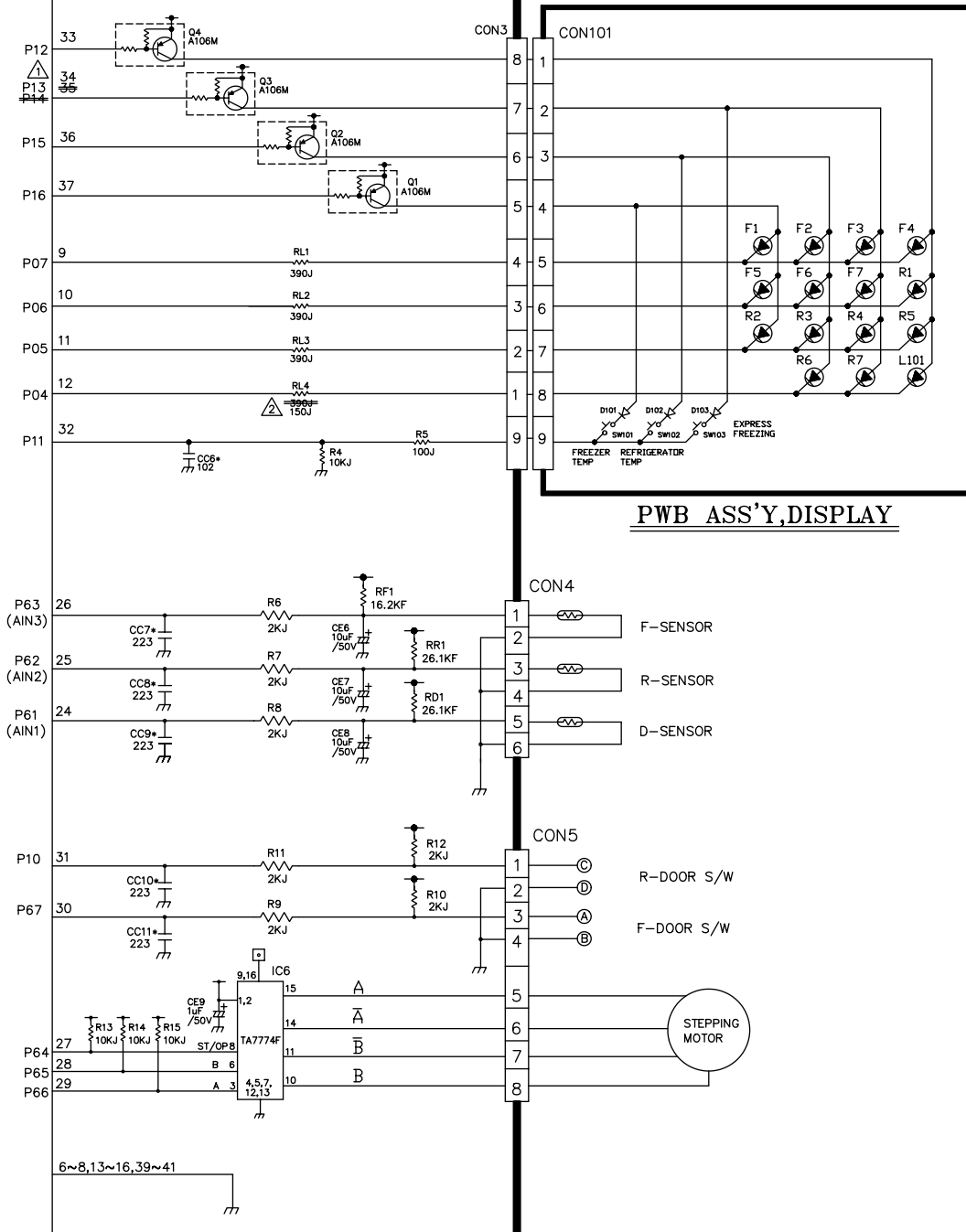
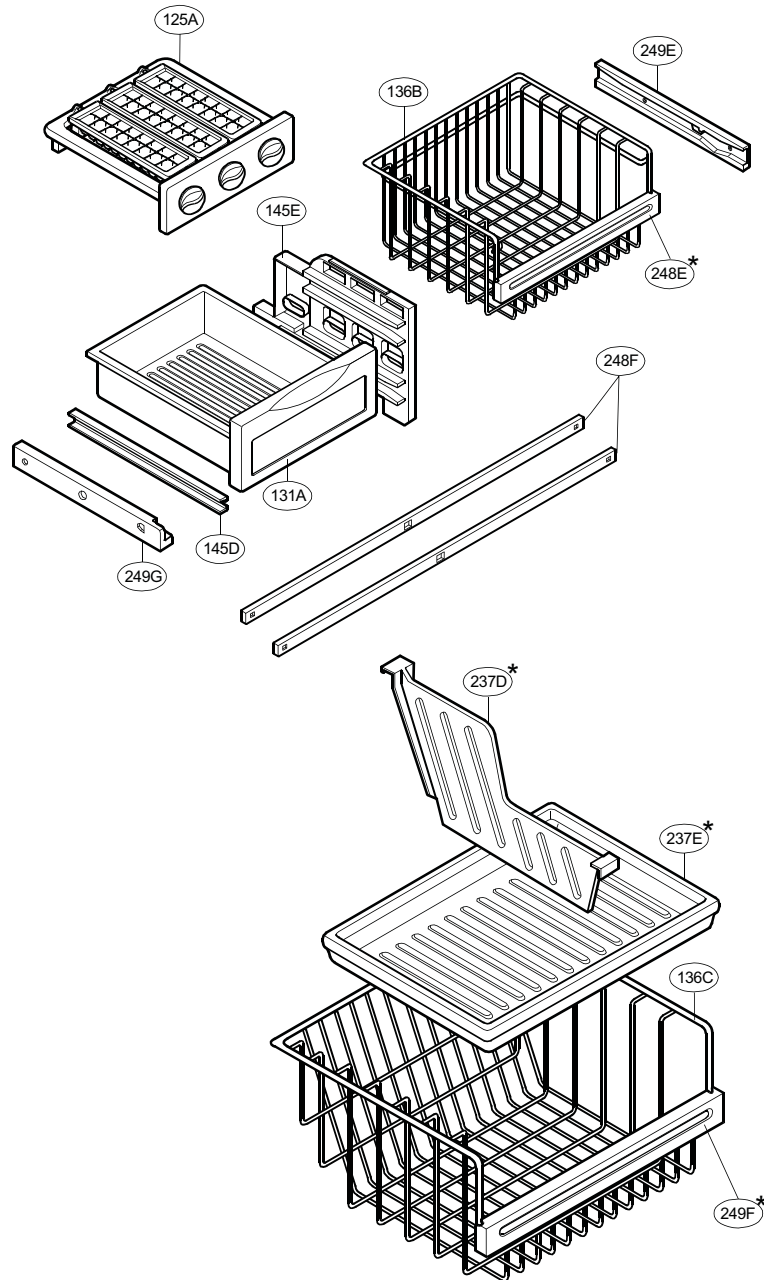


FIG.1 CIRCUIT DIAGRAM



FREEZER PARTS(Swing)

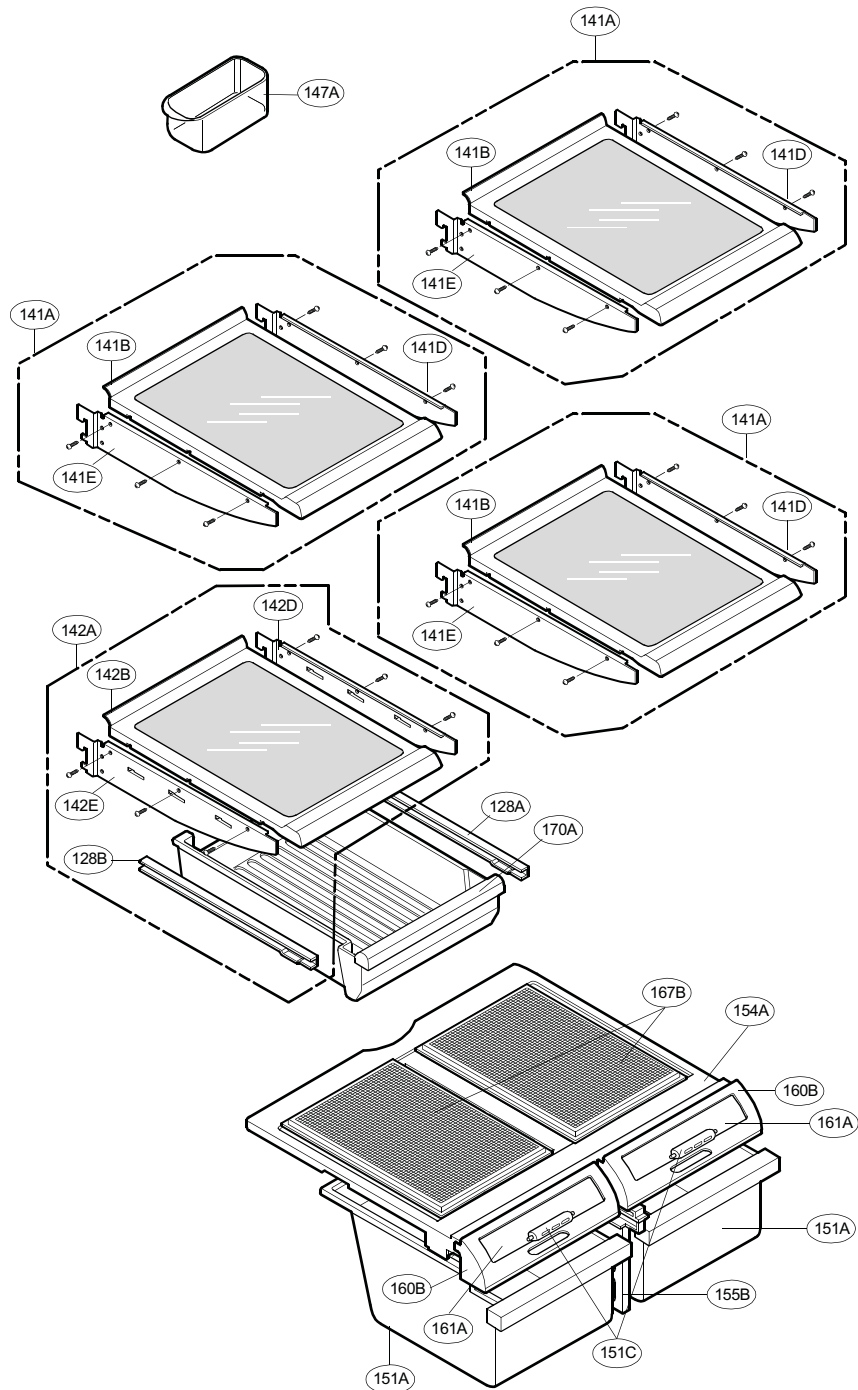
CAUTION: Use the part number to order part, not the position number.



* : on some models

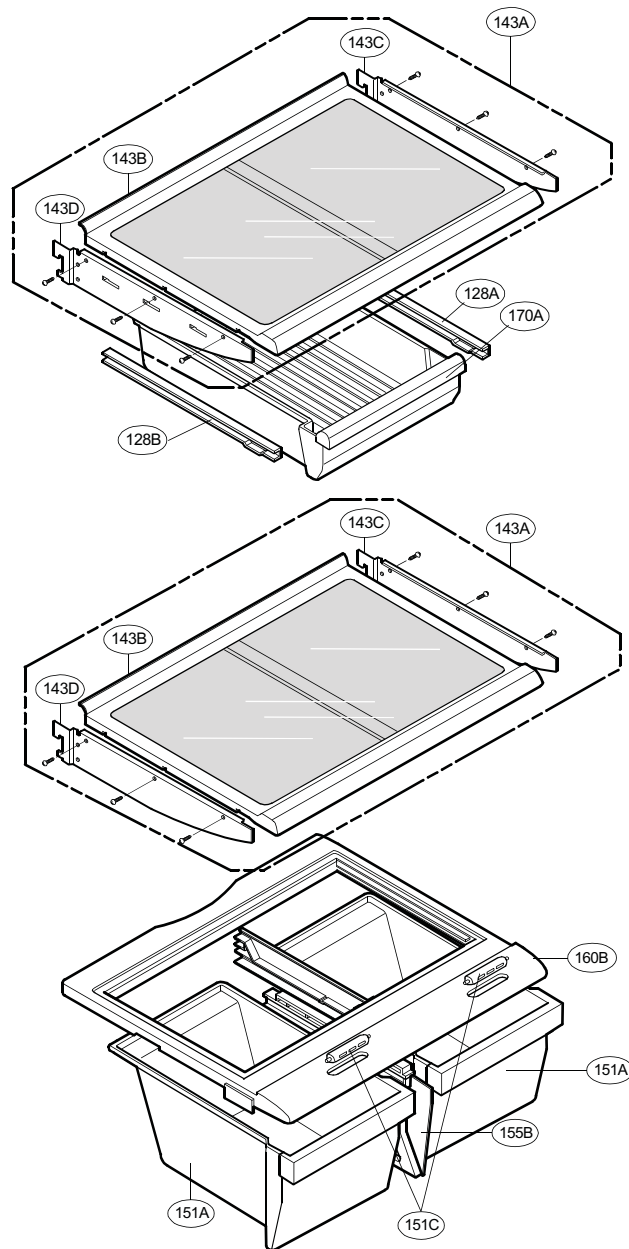
REFRIGERATOR PARTS(Better)

CAUTION: Use the part number to order part, not the position number.



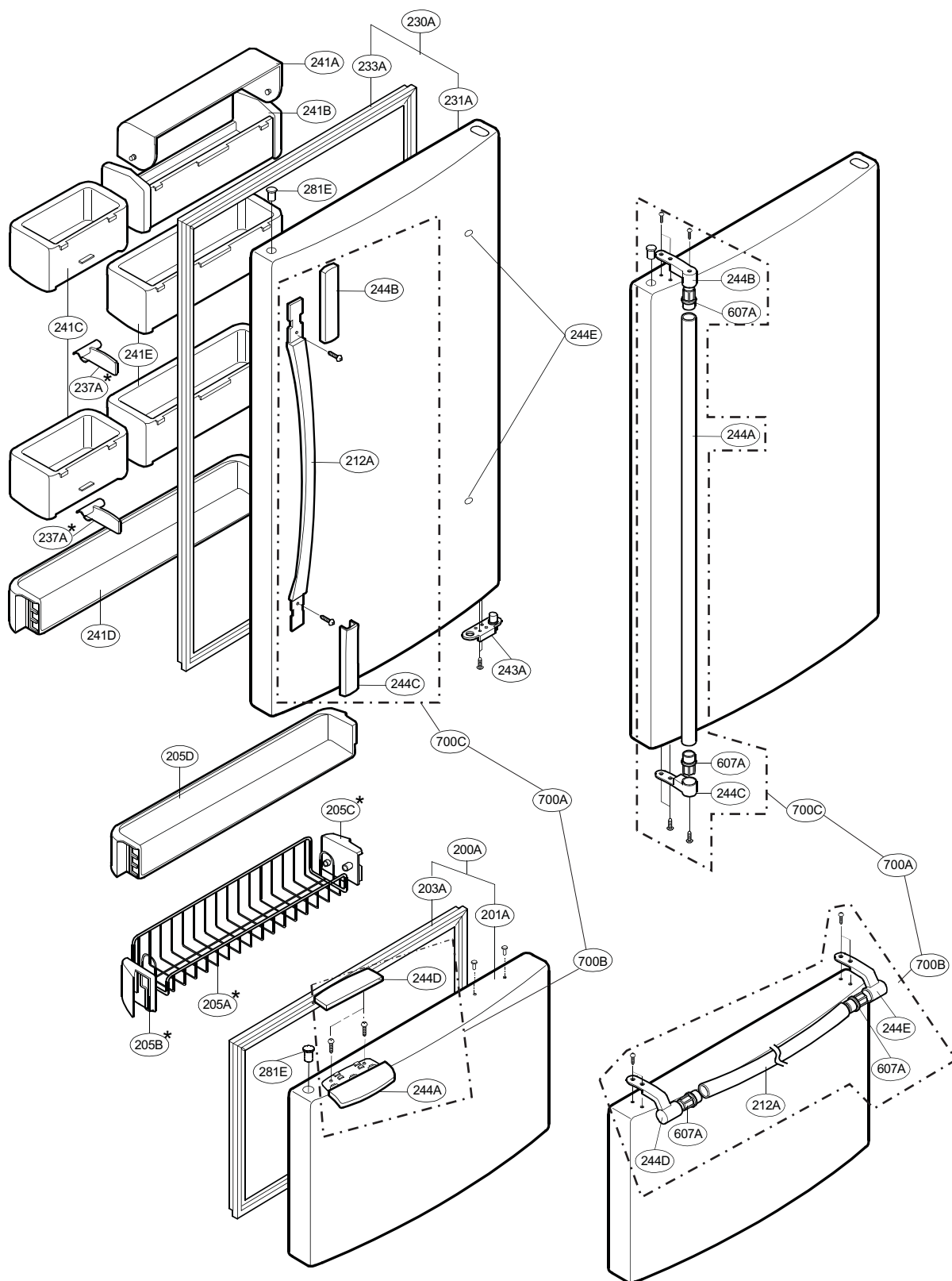
REFRIGERATOR PARTS(Good)

CAUTION: Use the part number to order part, not the position number.



DOOR PARTS(Swing)

CAUTION: Use the part number to order part, not the position number.



* : on some models

MODELS

LRBN20510WW	LRBN20510BQ	LRBN20520BQ	LRBN20520WW	LRBN20525SW	LOC #	DESCRIPTION
3650JJ2003A	3650JJ2003J	3650JJ2003J	3650JJ2003A	3650JJ2003A	103A	HANDLE,BACK
3650JJ2003E	3650JJ2003K	3650JJ2003K	3650JJ2003E	3650JJ2003E	103B	HANDLE,BACK
3550JJ0005A	3550JJ0005B	3550JJ0005B	3550JJ0005A	3550JJ0005A	103C	COVER, LOWER
5251JJ2003A	5251JJ2003A	5251JJ2003A	5251JJ2003A	5251JJ2003A	105A	DRAIN ASSY,PIPE-Z
4779JJ2001A	4779JJ2001A	4779JJ2001A	4779JJ2001A	4779JJ2001A	106A	LEG ASSEMBLY,ADJUST
5209JJ1002A	5209JJ1002A	5209JJ1002A	5209JJ1002A	5209JJ1002A	120B	DUCT ASSEMBLY,MULTI
3391JJ1009A	3391JJ1009A	3391JJ1009A	3391JJ1009A	3391JJ1009A	125A	TRAY ASSEMBLY,ICE
4975JJ2002A	4975JJ2002A	4975JJ2002A	4975JJ2002A	4975JJ2002A	128A	GUIDE ASSEMBLY,RAIL
4975JJ2002B	4975JJ2002B	4975JJ2002B	4975JJ2002B	4975JJ2002B	128B	GUIDE ASSEMBLY,RAIL
5075JJ1001A	5075JJ1001A	5075JJ1001A	5075JJ1001A	5075JJ1001A	131A	BANK ASSEMBLY,ICE
3550JJ2030A	3550JJ2030A	3550JJ2030A	3550JJ2030A	3550JJ2030A	135C	COVER,GRILLE FAN
3390JJ1035A	3390JJ1035A	3390JJ1035A	3390JJ1035A	3390JJ1035A	136B	TRAY,DRAWER
		3390JJ1028A	3390JJ1028A	3390JJ1028A	136C	TRAY,DRAWER
		5027JJ2007A	5027JJ2007A	5027JJ2007A	140B	SHELF ASSEMBLY,R
		5026JJ2001G	5026JJ2001G	5026JJ2001G	140D	SHELF,NET
		5026JJ2001H	5026JJ2001H	5026JJ2001H	140E	SHELF,NET
		5027JJ2007A	5027JJ2007A	5027JJ2007A	142B	SHELF ASSEMBLY,R
		5026JJ2001L	5026JJ2001L	5026JJ2001L	142D	SHELF,NET
		5026JJ2001M	5026JJ2001M	5026JJ2001M	142E	SHELF,NET
5027JJ1028A	5027JJ1028A				143A	SHELF ASSEMBLY,R
5027JJ1028C	5027JJ1028C				143A	SHELF ASSEMBLY,R
5027JJ1015A	5027JJ1015A				143B	SHELF ASSEMBLY,R
5026JJ2001G	5026JJ2001G				143C	SHELF,NET
5026JJ2001H	5026JJ2001H				143D	SHELF,NET
		4930JJ2003A	4930JJ2003A	4930JJ2003A	145A	HOLDER,SHELF
4930JJ2004A	4930JJ2004A	4930JJ2004A	4930JJ2004A	4930JJ2004A	145B	HOLDER,SHELF
4974JJ1012A	4974JJ1012A	4974JJ1012A	4974JJ1012A	4974JJ1012A	145D	GUIDE,RAIL
4974JJ1013A	4974JJ1013A	4974JJ1013A	4974JJ1013A	4974JJ1013A	145F	GUIDE,RAIL
		5074JJ1005A	5074JJ1005A	5074JJ1005A	147A	BANK,DAIRY
3390JJ1032A	3390JJ1032A	3390JJ1030A	3390JJ1030A	3390JJ1030A	151A	TRAY,VEGETABLE
4940JJ2003B	4940JJ2003B	4940JJ2003B	4940JJ2003B	4940JJ2003B	151C	KNOB,SHUTTER
3550JL1006B	3550JL1006B				154A	COVER,T/V
4981JJ2001B	4981JJ2001B	4981JJ2001A	4981JJ2001A	4981JJ2001A	155B	SUPPORTER ASSEMBLY,COVER-T/V
3550JJ1040A	3550JJ1040A	3550JJ1040A	3550JJ1040A	3550JJ1040A	158A	COVER,LAMP
3550JJ1032A	3550JJ1032A	3550JJ1032A	3550JJ1032A	3550JJ1032A	158E	COVER,LAMP
		3806JL2005A	3806JL2005A	3806JL2005A	160B	DECO,TRAY
		3550JJ2025A	3550JJ2025A	3550JJ2025A	161A	COVER,TRAY
3391JJ2004E	3391JJ2004E	3391JJ2004E	3391JJ2004E	3391JJ2004E	170A	TRAY ASSEMBLY,MEAT
3581JJ8023A	3581JJ8023E	3581JJ8023E	3581JJ8023A	3581JJ8023A	200A	DOOR ASSEMBLY,F
5433JJ0017E	5433JJ0017K	5433JJ0017K	5433JJ0017E	5433JJ0017B	201A	DOOR FOAM ASSEMBLY,F
4987JJ1004C	4987JJ1004C	4987JJ1004C	4987JJ1004C	4987JJ1004C	203A	GASKET ASSEMBLY,DOOR
		5004JJ1042B	5004JJ1042B	5004JJ1042B	205A	BASKET,DOOR
		5004JJ2005B	5004JJ2005B	5004JJ2005B	205B	BASKET,TILT
		5004JJ2005A	5004JJ2005A	5004JJ2005A	205C	BASKET,TILT
5004JJ1041A	5004JJ1041A				205D	BASKET,DOOR
3650JJ0006A	3650JJ0006B	3650JJ0006B	3650JJ0006A		212A	HANDLE,R
				3650JJ1017J	212A	HANDLE,F

MODELS

LRBN20510WW	LRBN20510BQ	LRBN20520BQ	LRBN20520WW	LRBN20525SW	LOC #	DESCRIPTION
3581JJ8027N	3581JJ8027S	3581JJ8027S	3581JJ8027N	3581JJ8027B	230A	DOOR ASSEMBLY,R
5433JJ0016C	5433JJ0016F	5433JJ0016F	5433JJ0016C	5433JJ0016B	231A	DOOR FOAM ASSEMBLY,R
4987JJ1004D	4987JJ1004D	4987JJ1004D	4987JJ1004D	4987JJ1004D	233A	GASKET ASSEMBLY,DOOR
		4974JJ2021A	4974JJ2021A	4974JJ2021A	237A	GUIDE,BOTTLE
		4974JJ1019A	4974JJ1019A	4974JJ1019A	237D	GUIDE,DRAWER
		3390JJ1037A	3390JJ1037A	3390JJ1037A	237E	TRAY,DRAWER
3550JL2003C	3550JL2003C	3550JL2003C	3550JL2003C	3550JL2003C	241A	COVER,TRAY
5004JJ1035A	5004JJ1035A	5004JJ1035A	5004JJ1035A	5004JJ1035A	241B	BASKET,DOOR
5004JJ1030A	5004JJ1030A	5004JJ1030A	5004JJ1030A	5004JJ1030A	241C	BASKET,DOOR
5004JJ0002A	5004JJ0002A	5004JJ0002A	5004JJ0002A	5004JJ0002A	241D	BASKET,DOOR
5004JJ1028A	5004JJ1028A	5004JJ1028A	5004JJ1028A	5004JJ1028A	241E	BASKET,DOOR
4620JJ3006A	4620JJ3006A	4620JJ3006A	4620JJ3006A	4620JJ3006A	243A	STOPPER,DOOR
4620JJ3006A	4620JJ3006B	4620JJ3006B	4620JJ3006A	4620JJ3006A	243A	STOPPER,DOOR
3650JJ2009A	3650JJ2009B	3650JJ2009B	3650JJ2009A		244A	HANDLE,F
				3650JJ2008B	244A	HANDLE,R
3806JJ1020A	3806JJ1020C	3806JJ1020C	3806JJ1020A		244B	DECO,HANDLE
				4930JJ2009E	244B	HOLDER,HANDLE
3806JJ1020B	3806JJ1020D	3806JJ1020D	3806JJ1020B		244C	DECO,HANDLE
				4930JJ2010E	244C	HOLDER,HANDLE
3806JJ2024A	3806JJ2024B	3806JJ2024B	3806JJ2024A		244D	DECO,HANDLE
5006JJ3008A	5006JJ3008B	5006JJ3008B	5006JJ3008A		244E	CAP,HINGE
				4930JJ2012E	244F	HOLDER,HANDLE
				4930JJ2011E	244G	HOLDER,HANDLE
		3806JJ1019A	3806JJ1019A	3806JJ1019A	248E	DECO,TRAY
4980JJ2005B	4980JJ2005B	4980JJ2005B	4980JJ2005B	4980JJ2005B	248F	SUPPORTER,HOLDER
4930JJ1006A	4930JJ1006A	4930JJ1006A	4930JJ1006A	4930JJ1006A	249C	HOLDER,RAIL
4930JJ1006B	4930JJ1006B	4930JJ1006B	4930JJ1006B	4930JJ1006B	249D	HOLDER,RAIL
		3806JJ2018A	3806JJ2018A	3806JJ2018A	249F	DECO,TRAY
4974JJ1010A	4974JJ1010A	4974JJ1010A	4974JJ1010A	4974JJ1010A	249G	GUIDE,RAIL
3550JJ2013A	3550JJ2013B	3550JJ2013B	3550JJ2013A	3550JJ2013A	281A	COVER,HINGE
4775JJ2003B	4775JJ2003B	4775JJ2003B	4775JJ2003B	4775JJ2003B	281B	HINGE ASSEMBLY,U
4775JJ2006D	4775JJ2006K	4775JJ2006K	4775JJ2006D	4775JJ2006D	282B	HINGE ASSEMBLY,C
5006JJ3009A	5006JJ3009B	5006JJ3009B	5006JJ3009A	5006JJ3009A	282D	CAP,COVER LOWER
5006JJ2001A	5006JJ2001E	5006JJ2001E	5006JJ2001A	5006JJ2001A	282E	CAP,HINGE
3806JL2006A	3806JL2006A	3806JL2006A	3806JL2006A	3806JL2006A	282F	DECO,DUCT
		5006JJ3011A	5006JJ3011A	5006JJ3011A	282G	CAP,DUCT
5006JJ3004A	5006JJ3004A	5006JJ3004A	5006JJ3004A	5006JJ3004A	282H	CAP,HINGE
5006JJ2006A	5006JJ2006A				282K	CAP,DUCT
4774JJ3001A	4774JJ3001A	4774JJ3001A	4774JJ3001A	4774JJ3001A	283B	HINGE,L
4774JJ2002A	4774JJ2002A	4774JJ2002A	4774JJ2002A	4774JJ2002A	283D	HINGE,L
3550JA3120A	3550JA3120A	3550JA3120A	3550JA3120A	3550JA3120A	284B	COVER,CONNECTOR
5421JJ1001A	5421JJ1001B	5421JJ1001B	5421JJ1001B	5421JJ1001A	301A	EVAPORATOR ASSEMBLY
3551JJ2008A	3551JJ2008B	3551JJ2008B	3551JJ2008B	3551JJ2008A	304A	COVER ASSEMBLY,BACK-M/C
J733-00001A	J733-00001A	J733-00001A	J733-00001A	J733-00001A	305B	ROLLER
J733-00001A	J733-00001A	J733-00001A	J733-00001A	J733-00001A	305B	ROLLER
4J04238A	4J04238A	4J04238A	4J04238A	4J04238A	305C	PIN,DRAWING
4J04238A	4J04238A	4J04238A	4J04238A	4J04238A	305C	PIN,DRAWING

MODELS

LRBN20510WW	LRBN20510BQ	LRBN20520BQ	LRBN20520WW	LRBN20525SW	LOC #	DESCRIPTION
2521JJ8004A	2521JJ8004A	2521JJ8004A	2521JJ8004A	2521JJ8004A	307A	COMPRESSOR,SET ASSEMBLY
6748JJ8002A	6748JJ8002A	6748JJ8002A	6748JJ8002A	6748JJ8002A	308A	P.T.C ASSEMBLY
6750JJ8002A	6750JJ8002A	6750JJ8002A	6750JJ8002A	6750C-0004S	309A	O.L.P
3550JJ8003A	3550JJ8003A	3550JJ8003A	3550JJ8003A	3550JJ8003A	310A	COVER,P.T.C
5040JA3031A	5040JA3031A	5040JA3031A	5040JA3031A	5040JA3031A	312A	RUBBER,SEAT
4620JA3009A	4620JA3009A	4620JA3009A	4620JA3009A	4620JA3009A	314A	STOPPER,COMP
3103JJ1001B	3103JJ1001B	3103JJ1001B	3103JJ1001B	3103JJ1001B	315A	COMP BASE ASSEMBLY,STD
5851JJ2002A	5851JJ2002A	5851JJ2002A	5851JJ2002A	5851JJ2002A	317A	DRIER ASSY
4930JJ3002A	4930JJ3002A	4930JJ3002A	4930JJ3002A	4930JJ3002A	318A	HOLDER,DRIER
3390JJ0003A	3390JJ0003A	3390JJ0003A	3390JJ0003A	3390JJ0003A	319A	TRAY,DRIP
4974JJ1009A	4974JJ1009A	4974JJ1009A	4974JJ1009A	4974JJ1009A	319C	GUIDE,FAN
5403JJ1005A	5403JJ1004A	5403JJ1004A	5403JJ1004A	5403JJ1005A	323A	CONDENSER ASSEMBLY,WIRE
5040JJ3002A	5040JJ3002A	5040JJ3002A	5040JJ3002A	5040JJ3002A	328A	RUBBER,DAMPING
5901JJ1005A	5901JJ1005A	5901JJ1005A	5901JJ1005A	5901JJ1005A	329A	FAN ASSEMBLY
5901JJ1004B	5901JJ1004B	5901JJ1004B	5901JJ1004B	5901JJ1004B	329C	FAN ASSEMBLY
3531JJ1004B	3531JJ1004B	3531JJ1004B	3531JJ1004B	3531JJ1004B	332A	GRILLE ASSEMBLY,FAN
6615JB2005C	6615JB2005C	6615JB2005C	6615JB2005C	6615JB2005C	401A	CONTROLLER ASSEMBLY(CIRC)
4680JK1002B	4680JK1002B	4680JK1002B	4680JK1002B	4680JK1002B	404A	MOTOR(MECH),FAN
4811JJ2002B	4811JJ2002B	4811JJ2002B	4811JJ2002B	4811JJ2002B	405A	BRACKET ASSEMBLY,MOTOR
4810JJ3005A	4810JJ3005A	4810JJ3005A	4810JJ3005A	4810JJ3005A	405B	BRACKET,MOTOR
J756-00008B	J756-00008B	J756-00008B	J756-00008B	J756-00008B	405C	RUBBER,MOTOR-N
6600JB1004A	6600JB1004A	6600JB1004A	6600JB1004A	6600JB1004A	406B	SWITCH,[PUSH]
6912JB2004C	6912JB2004C	6912JB2004C	6912JB2004C	6912JB2004C	409B	LAMP,[INCANDESCENT]
6912JK2002A	6912JK2002A	6912JK2002A	6912JK2002A	6912JK2002A	409C	LAMP,[INCANDESCENT]
6621JK2002D	6621JK2002D	6621JK2002D	6621JK2002D	6621JK2002D	410A	SOCKET ASSEMBLY,LAMP
0CZZJB2003H	0CZZJB2003H	0CZZJB2003H	0CZZJB2003H	0CZZJB2003H	410G	CAPACITOR,DRAWING
6411JK1006A	6411JK1006A	6411JK1006A	6411JK1006A	6411JK1006A	411A	POWER CORD ASSEMBLY
5300JB1100D	5300JB1100J	5300JB1100J	5300JB1100J	5300JB1100D	418A	HEATER,SHEATH
6871JB1215A	6871JB1215A	6871JB1215A	6871JB1215A	6871JB1215A	501A	PWB(PCB) ASSEMBLY,MAIN
3550JJ1042A	3550JJ1042A	3550JJ1042A	3550JJ1042A	3550JJ1042A	501F	COVER,PWB
3034JJ1002A	3034JJ1002A	3034JJ1002A	3034JJ1002A	3034JJ1002A	503B	REFLECTOR,LAMP
6871JB2047A	6871JB2047A	6871JB2047A	6871JB2047A	6871JB2047A	503C	PWB(PCB) ASSEMBLY,DISPLAY
3110JJ1005A	3110JJ1005A	3110JJ1005A	3110JJ1005A	3110JJ1005A	503D	CASE,DISPLAY
3550JJ2031A	3550JJ2031A	3550JJ2031A	3550JJ2031A	3550JJ2031A	503E	COVER,DISPLAY
				4930JJ2013A	607A	HOLDER,BRACKET
3550JL2004A	3550JL2004A	3550JL2004A	3550JL2004A	3550JL2004A	610A	COVER,SENSOR
3651JL8001D	3651JL8001E	3651JL8001B	3651JL8001A	3651JL1010N	700A	HANDLE ASSEMBLY,PACKAGE
3651JJ1011A	3651JJ1011B	3651JJ1013B	3651JJ1013A	3651JJ8001D	700B	HANDLE ASSEMBLY,F
3651JJ1012A	3651JJ1012B	3651JJ1011B	3651JJ1011A	3651JJ8002D	700C	HANDLE ASSEMBLY,R
3J05696C	3J05696C	3J05696C	3J05696C	3J05696C	S24	SCREW,DRAWING
3J05696C	3J05696C	3J05696C	3J05696C	3J05696C	S24	SCREW,DRAWING
4000W4A003A	4000W4A003A	4000W4A003A	4000W4A003A	4000W4A003A	S38	SCREW,DRAWING

MODELS

LRBN20525TT	LRBN22510BQ	LRBN22510WW	LRBN22511TT	LRBN22511SW	LOC #	DESCRIPTION
3650JJ2003L	3650JJ2003J	3650JJ2003A	3650JJ2003L	3650JJ2003A	103A	HANDLE,BACK
3650JJ2003M	3650JJ2003K	3650JJ2003E	3650JJ2003M	3650JJ2003E	103B	HANDLE,BACK
3550JJ0005C	3550JJ0006B	3550JJ0006A	3550JJ0006C	3550JJ0006A	103C	COVER, LOWER
5251JJ2003A	5251JJ2003A	5251JJ2003A	5251JJ2003A	5251JJ2003A	105A	DRAIN ASSY,PIPE-Z
4779JJ2001A	4779JJ2001A	4779JJ2001A	4779JJ2001A	4779JJ2001A	106A	LEG ASSEMBLY,ADJUST
5209JJ1002A	5209JJ1002A	5209JJ1002A	5209JJ1002A	5209JJ1002A	120B	DUCT ASSEMBLY,MULTI
3391JJ1009A	3391JJ1009A	3391JJ1009A	3391JJ1009A	3391JJ1009A	125A	TRAY ASSEMBLY,ICE
4975JJ2002A	4975JJ2002A	4975JJ2002A	4975JJ2002A	4975JJ2002A	128A	GUIDE ASSEMBLY,RAIL
4975JJ2002B	4975JJ2002B	4975JJ2002B	4975JJ2002B	4975JJ2002B	128B	GUIDE ASSEMBLY,RAIL
5075JJ1001A	5075JJ1001A	5075JJ1001A	5075JJ1001A	5075JJ1001A	131A	BANK ASSEMBLY,ICE
3550JJ2030A	3550JJ2030A	3550JJ2030A	3550JJ2030A	3550JJ2030A	135C	COVER,GRILLE FAN
3390JJ1035A	3390JJ1034A	3390JJ1034A	3390JJ1034A	3390JJ1034A	136B	TRAY,DRAWER
3390JJ1028A			3390JJ1027A	3390JJ1027A	136C	TRAY,DRAWER
5027JJ2007A			5027JJ2007B	5027JJ2007B	140B	SHELF ASSEMBLY,R
5026JJ2001G			5026JJ2001G	5026JJ2001G	140D	SHELF,NET
5026JJ2001H			5026JJ2001H	5026JJ2001H	140E	SHELF,NET
5027JJ2007A			5027JJ2007B	5027JJ2007B	142B	SHELF ASSEMBLY,R
5026JJ2001L			5026JJ2001L	5026JJ2001L	142D	SHELF,NET
5026JJ2001M			5026JJ2001M	5026JJ2001M	142E	SHELF,NET
	5027JJ1028A	5027JJ1028A			143A	SHELF ASSEMBLY,R
	5027JJ1028C	5027JJ1028C			143A	SHELF ASSEMBLY,R
	5027JJ1015A	5027JJ1015A			143B	SHELF ASSEMBLY,R
	5026JJ2001G	5026JJ2001G			143C	SHELF,NET
	5026JJ2001H	5026JJ2001H			143D	SHELF,NET
4930JJ2003A			4930JJ2003A	4930JJ2003A	145A	HOLDER,SHELF
4930JJ2004A	4930JJ2004A	4930JJ2004A	4930JJ2004A	4930JJ2004A	145B	HOLDER,SHELF
4974JJ1012A	4974JJ1012A	4974JJ1012A	4974JJ1012A	4974JJ1012A	145D	GUIDE,RAIL
4974JJ1013A	4974JJ1013A	4974JJ1013A	4974JJ1013A	4974JJ1013A	145F	GUIDE,RAIL
5074JJ1005A			5074JJ1005A	5074JJ1005A	147A	BANK,DAIRY
3390JJ1030A	3390JJ1031A	3390JJ1031A	3390JJ1029A	3390JJ1029A	151A	TRAY,VEGETABLE
4940JJ2003B	4940JJ2003B	4940JJ2003B	4940JJ2003B	4940JJ2003B	151C	KNOB,SHUTTER
	3550JL1006A	3550JL1006A			154A	COVER,T/V
4981JJ2001A	4981JJ2001B	4981JJ2001B	4981JJ2001A	4981JJ2001A	155B	SUPPORTER ASSEMBLY,COVER-T/V
3550JJ1040A	3550JJ1040A	3550JJ1040A	3550JJ1040A	3550JJ1040A	158A	COVER,LAMP
3550JJ1032A	3550JJ1032A	3550JJ1032A	3550JJ1032A	3550JJ1032A	158E	COVER,LAMP
3806JL2005A			3806JL2005B	3806JL2005B	160B	DECO,TRAY
3550JJ2025A			3550JJ2026A	3550JJ2026A	161A	COVER,TRAY
3391JJ2004E	3391JJ2004F	3391JJ2004F	3391JJ2004F	3391JJ2004F	170A	TRAY ASSEMBLY,MEAT
3581JJ8023R	3581JJ8020E	3581JJ8020A	3581JJ8020R	3581JJ8020P	200A	DOOR ASSEMBLY,F
5433JJ0017U	5433JJ0018K	5433JJ0018E	5433JJ0018U	5433JJ0018B	201A	DOOR FOAM ASSEMBLY,F
4987JJ1004G	4987JJ1004A	4987JJ1004A	4987JJ1004E	4987JJ1004A	203A	GASKET ASSEMBLY,DOOR
5004JJ1042B			5004JJ1042A	5004JJ1042A	205A	BASKET,DOOR
5004JJ2005B			5004JJ2005B	5004JJ2005B	205B	BASKET,TILT
5004JJ2005A			5004JJ2005A	5004JJ2005A	205C	BASKET,TILT
	5004JJ1040A	5004JJ1040A			205D	BASKET,DOOR
	3650JJ0006B	3650JJ0006A			212A	HANDLE,R
3650JJ1017D			3650JJ1017H	3650JJ1017K	212A	HANDLE,F

MODELS

LRBN20525TT	LRBN22510BQ	LRBN22510WW	LRBN22511TT	LRBN22511SW	LOC #	DESCRIPTION
3581JJ8027D	3581JJ8024S	3581JJ8024N	3581JJ8024D	3581JJ8024B	230A	DOOR ASSEMBLY,R
5433JJ0016L	5433JJ0019F	5433JJ0019C	5433JJ0019L	5433JJ0019B	231A	DOOR FOAM ASSEMBLY,R
4987JJ1004H	4987JJ1004B	4987JJ1004B	4987JJ1004F	4987JJ1004B	233A	GASKET ASSEMBLY,DOOR
4974JJ2021A			4974JJ2021A	4974JJ2021A	237A	GUIDE,BOTTLE
4974JJ1019A			4974JJ1019A	4974JJ1019A	237D	GUIDE,DRAWER
3390JJ1037A			3390JJ1036A	3390JJ1036A	237E	TRAY,DRAWER
3550JL2003C	3550JL2003D	3550JL2003D	3550JL2003D	3550JL2003D	241A	COVER,TRAY
5004JJ1035A	5004JJ1021A	5004JJ1021A	5004JJ1021A	5004JJ1021A	241B	BASKET,DOOR
	5004JJ1031A	5004JJ1031A	5004JJ1031A	5004JJ1031A	241C	BASKET,DOOR
	5004JJ0001A	5004JJ0001A	5004JJ0001A	5004JJ0001A	241D	BASKET,DOOR
	5004JJ1029A	5004JJ1029A	5004JJ1029A	5004JJ1029A	241E	BASKET,DOOR
4620JJ3006A	4620JJ3006A	4620JJ3006A	4620JJ3006C	4620JJ3006A	243A	STOPPER,DOOR
4620JJ3006C	4620JJ3006B	4620JJ3006A	4620JJ3006C	4620JJ3006A	243A	STOPPER,DOOR
	3650JJ2009B	3650JJ2009A			244A	HANDLE,F
3650JJ2008A			3650JJ2008A	3650JJ2008B	244A	HANDLE,R
	3806JJ1020C	3806JJ1020A			244B	DECO,HANDLE
4930JJ2009A			4930JJ2009A	4930JJ2009E	244B	HOLDER,HANDLE
	3806JJ1020D	3806JJ1020B			244C	DECO,HANDLE
4930JJ2010A			4930JJ2010A	4930JJ2010E	244C	HOLDER,HANDLE
	3806JJ2024B	3806JJ2024A			244D	DECO,HANDLE
	5006JJ3008B	5006JJ3008A			244E	CAP,HINGE
4930JJ2012A			4930JJ2012A	4930JJ2012E	244F	HOLDER,HANDLE
4930JJ2011A			4930JJ2011A	4930JJ2011E	244G	HOLDER,HANDLE
3806JJ1019A			3806JJ1018A	3806JJ1018A	248E	DECO,TRAY
4980JJ2005B	4980JJ2005A	4980JJ2005A	4980JJ2005A	4980JJ2005A	248F	SUPPORTER,HOLDER
4930JJ1006A	4930JJ1006A	4930JJ1006A	4930JJ1006A	4930JJ1006A	249C	HOLDER,RAIL
4930JJ1006B	4930JJ1006B	4930JJ1006B	4930JJ1006B	4930JJ1006B	249D	HOLDER,RAIL
3806JJ2018A			3806JJ2017A	3806JJ2017A	249F	DECO,TRAY
4974JJ1010A	4974JJ1010A	4974JJ1010A	4974JJ1010A	4974JJ1010A	249G	GUIDE,RAIL
3550JJ2013C	3550JJ2013B	3550JJ2013A	3550JJ2013C	3550JJ2013A	281A	COVER,HINGE
4775JJ2003B	4775JJ2003B	4775JJ2003B	4775JJ2003B	4775JJ2003B	281B	HINGE ASSEMBLY,U
4775JJ2006H	4775JJ2006K	4775JJ2006D	4775JJ2006H	4775JJ2006D	282B	HINGE ASSEMBLY,C
5006JJ3009C	5006JJ3009B	5006JJ3009A	5006JJ3009C	5006JJ3009A	282D	CAP,COVER LOWER
5006JJ2001F	5006JJ2001E	5006JJ2001A	5006JJ2001F	5006JJ2001A	282E	CAP,HINGE
3806JL2006A	3806JL2006A	3806JL2006A	3806JL2006A	3806JL2006A	282F	DECO,DUCT
5006JJ3011A			5006JJ3011A	5006JJ3011A	282G	CAP,DUCT
5006JJ3004A	5006JJ3004A	5006JJ3004A	5006JJ3004A	5006JJ3004A	282H	CAP,HINGE
	5006JJ2006A	5006JJ2006A			282K	CAP,DUCT
4774JJ3001A	4774JJ3001A	4774JJ3001A	4774JJ3001A	4774JJ3001A	283B	HINGE,L
4774JJ2002A	4774JJ2002A	4774JJ2002A	4774JJ2002A	4774JJ2002A	283D	HINGE,L
3550JA3120A	3550JA3120A	3550JA3120A	3550JA3120A	3550JA3120A	284B	COVER,CONNECTOR
5421JJ1001A	5421JJ1001B	5421JJ1001B	5421JJ1001B	5421JJ1001B	301A	EVAPORATOR ASSEMBLY
3551JJ2008A	3551JJ2008B	3551JJ2008B	3551JJ2008B	3551JJ2008B	304A	COVER ASSEMBLY,BACK-M/C
J733-00001A	J733-00001A	J733-00001A	J733-00001A	J733-00001A	305B	ROLLER
J733-00001A	J733-00001A	J733-00001A	J733-00001A	J733-00001A	305B	ROLLER
4J04238A	4J04238A	4J04238A	4J04238A	4J04238A	305C	PIN,DRAWING
4J04238A	4J04238A	4J04238A	4J04238A	4J04238A	305C	PIN,DRAWING

MODELS

LRBN20525TT	LRBN22510BQ	LRBN22510WW	LRBN22511TT	LRBN22511SW	LOC #	DESCRIPTION
2521JJ8004A	2521JJ8004A	2521JJ8004A	2521JJ8004A	2521JJ8004A	307A	COMPRESSOR,SET ASSEMBLY
6748JJ8002A	6748JJ8002A	6748JJ8002A	6748JJ8002A	6748JJ8002A	308A	P.T.C ASSEMBLY
6750JJ8002A	6750JJ8002A	6750JJ8002A	6750JJ8002A	6750C-0004S	309A	O.L.P
3550JJ8003A	3550JJ8003A	3550JJ8003A	3550JJ8003A	3550JJ8003A	310A	COVER,P.T.C
5040JA3031A	5040JA3031A	5040JA3031A	5040JA3031A	5040JA3031A	312A	RUBBER,SEAT
4620JA3009A	4620JA3009A	4620JA3009A	4620JA3009A	4620JA3009A	314A	STOPPER,COMP
3103JJ1001B	3103JJ1001A	3103JJ1001A	3103JJ1001A	3103JJ1001A	315A	COMP BASE ASSEMBLY,STD
5851JJ2002A	5851JJ2002A	5851JJ2002A	5851JJ2002A	5851JJ2002A	317A	DRIER ASSY
4930JJ3002A	4930JJ3002A	4930JJ3002A	4930JJ3002A	4930JJ3002A	318A	HOLDER,DRIER
3390JJ0003A	3390JJ0003A	3390JJ0003A	3390JJ0003A	3390JJ0003A	319A	TRAY,DRIP
4974JJ1009A	4974JJ1009A	4974JJ1009A	4974JJ1009A	4974JJ1009A	319C	GUIDE,FAN
5403JJ1005A	5403JJ1004A	5403JJ1004A	5403JJ1004A	5403JJ1004A	323A	CONDENSER ASSEMBLY,WIRE
5040JJ3002A	5040JJ3002A	5040JJ3002A	5040JJ3002A	5040JJ3002A	328A	RUBBER,DAMPING
5901JJ1005A	5901JJ1005A	5901JJ1005A	5901JJ1005A	5901JJ1005A	329A	FAN ASSEMBLY
5901JJ1004B	5901JJ1004B	5901JJ1004B	5901JJ1004B	5901JJ1004B	329C	FAN ASSEMBLY
3531JJ1004B	3531JJ1004A	3531JJ1004A	3531JJ1004A	3531JJ1004A	332A	GRILLE ASSEMBLY,FAN
6615JB2005C	6615JB2005C	6615JB2005C	6615JB2005C	6615JB2005C	401A	CONTROLLER ASSEMBLY(CIRC)
4680JK1002B	4680JK1002B	4680JK1002B	4680JK1002B	4680JK1002B	404A	MOTOR(MECH),FAN
4811JJ2002B	4811JJ2002B	4811JJ2002B	4811JJ2002B	4811JJ2002B	405A	BRACKET ASSEMBLY,MOTOR
4810JJ3005A	4810JJ3005A	4810JJ3005A	4810JJ3005A	4810JJ3005A	405B	BRACKET,MOTOR
J756-00008B	J756-00008B	J756-00008B	J756-00008B	J756-00008B	405C	RUBBER,MOTOR-N
6600JB1004A	6600JB1004A	6600JB1004A	6600JB1004A	6600JB1004A	406B	SWITCH,[PUSH]
6912JB2004C	6912JB2004C	6912JB2004C	6912JB2004C	6912JB2004C	409B	LAMP,[INCANDESCENT]
6912JK2002A	6912JK2002A	6912JK2002A	6912JK2002A	6912JK2002A	409C	LAMP,[INCANDESCENT]
6621JK2002D	6621JK2002D	6621JK2002D	6621JK2002D	6621JK2002D	410A	SOCKET ASSEMBLY,LAMP
0CZZJB2003H	0CZZJB2003H	0CZZJB2003H	0CZZJB2003H	0CZZJB2003H	410G	CAPACITOR,DRAWING
6411JK1006A	6411JK1006A	6411JK1006A	6411JK1006A	6411JK1006A	411A	POWER CORD ASSEMBLY
5300JB1100D	5300JB1100J	5300JB1100J	5300JB1100J	5300JB1100J	418A	HEATER,SHEATH
6871JB1215A	6871JB1215A	6871JB1215A	6871JB1215A	6871JB1215A	501A	PWB(PCB) ASSEMBLY,MAIN
3550JJ1042A	3550JJ1042A	3550JJ1042A	3550JJ1042A	3550JJ1042A	501F	COVER,PWB
3034JJ1002A	3034JJ1002A	3034JJ1002A	3034JJ1002A	3034JJ1002A	503B	REFLECTOR,LAMP
6871JB2047A	6871JB2047A	6871JB2047A	6871JB2047A	6871JB2047A	503C	PWB(PCB) ASSEMBLY,DISPLAY
3110JJ1005A	3110JJ1005A	3110JJ1005A	3110JJ1005A	3110JJ1005A	503D	CASE,DISPLAY
3550JJ2031A	3550JJ2031A	3550JJ2031A	3550JJ2031A	3550JJ2031A	503E	COVER,DISPLAY
4930JJ2013A			4930JJ2013A	4930JJ2013A	607A	HOLDER,BRACKET
3550JL2004A	3550JL2004A	3550JL2004A	3550JL2004A	3550JL2004A	610A	COVER,SENSOR
3651JJ1010E	3651JL8001E	3651JL8001D	3651JJ1010F	3651JJ1010P	700A	HANDLE ASSEMBLY,PACKAGE
3651JJ8001C	3651JJ1011B	3651JJ1011A	3651JJ8001B	3651JJ8001A	700B	HANDLE ASSEMBLY,F
3651JJ8002C	3651JJ1012B	3651JJ1012A	3651JJ8002B	3651JJ8002A	700C	HANDLE ASSEMBLY,R
3J05696C	3J05696C	3J05696C	3J05696C	3J05696C	S24	SCREW,DRAWING
3J05696C	3J05696C	3J05696C	3J05696C	3J05696C	S24	SCREW,DRAWING
4000W4A003A	4000W4A003A	4000W4A003A	4000W4A003A	4000W4A003A	S38	SCREW,DRAWING

MODELS

LRBN22520BQ	LRBN22520WW	LRBN22525SW	LRBN22525TT	LOC #	DESCRIPTION
3650JJ2003J	3650JJ2003A	3650JJ2003A	3650JJ2003L	103A	HANDLE,BACK
3650JJ2003K	3650JJ2003E	3650JJ2003E	3650JJ2003M	103B	HANDLE,BACK
3550JJ0006B	3550JJ0006A	3550JJ0006A	3550JJ0006C	103C	COVER, LOWER
5251JJ2003A	5251JJ2003A	5251JJ2003A	5251JJ2003A	105A	DRAIN ASSY,PIPE-Z
4779JJ2001A	4779JJ2001A	4779JJ2001A	4779JJ2001A	106A	LEG ASSEMBLY,ADJUST
5209JJ1002A	5209JJ1002A	5209JJ1002A	5209JJ1002A	120B	DUCT ASSEMBLY,MULTI
3391JJ1009A	3391JJ1009A	3391JJ1009A	3391JJ1009A	125A	TRAY ASSEMBLY,ICE
4975JJ2002A	4975JJ2002A	4975JJ2002A	4975JJ2002A	128A	GUIDE ASSEMBLY,RAIL
4975JJ2002B	4975JJ2002B	4975JJ2002B	4975JJ2002B	128B	GUIDE ASSEMBLY,RAIL
5075JJ1001A	5075JJ1001A	5075JJ1001A	5075JJ1001A	131A	BANK ASSEMBLY,ICE
3550JJ2030A	3550JJ2030A	3550JJ2030A	3550JJ2030A	135C	COVER,GRILLE FAN
3390JJ1034A	3390JJ1034A	3390JJ1034A	3390JJ1034A	136B	TRAY,DRAWER
3390JJ1027A	3390JJ1027A	3390JJ1027A	3390JJ1027A	136C	TRAY,DRAWER
5027JJ2007B	5027JJ2007B	5027JJ2007B	5027JJ2007B	140B	SHELF ASSEMBLY,R
5026JJ2001G	5026JJ2001G	5026JJ2001G	5026JJ2001G	140D	SHELF,NET
5026JJ2001H	5026JJ2001H	5026JJ2001H	5026JJ2001H	140E	SHELF,NET
5027JJ2007B	5027JJ2007B	5027JJ2007B	5027JJ2007B	142B	SHELF ASSEMBLY,R
5026JJ2001L	5026JJ2001L	5026JJ2001L	5026JJ2001L	142D	SHELF,NET
5026JJ2001M	5026JJ2001M	5026JJ2001M	5026JJ2001M	142E	SHELF,NET
				143A	SHELF ASSEMBLY,R
				143A	SHELF ASSEMBLY,R
				143B	SHELF ASSEMBLY,R
				143C	SHELF,NET
				143D	SHELF,NET
4930JJ2003A	4930JJ2003A	4930JJ2003A	4930JJ2003A	145A	HOLDER,SHELF
4930JJ2004A	4930JJ2004A	4930JJ2004A	4930JJ2004A	145B	HOLDER,SHELF
4974JJ1012A	4974JJ1012A	4974JJ1012A	4974JJ1012A	145D	GUIDE,RAIL
4974JJ1013A	4974JJ1013A	4974JJ1013A	4974JJ1013A	145F	GUIDE,RAIL
5074JJ1005A	5074JJ1005A	5074JJ1005A	5074JJ1005A	147A	BANK,DAIRY
3390JJ1029A	3390JJ1029A	3390JJ1031A	3390JJ1031A	151A	TRAY,VEGETABLE
4940JJ2003B	4940JJ2003B	4940JJ2003B	4940JJ2003B	151C	KNOB,SHUTTER
		3550JL1006B	3550JL1006B	154A	COVER,T/V
4981JJ2001A	4981JJ2001A	4981JJ2001B	4981JJ2001B	155B	SUPPORTER ASSEMBLY,COVER-T/V
3550JJ1040A	3550JJ1040A	3550JJ1040A	3550JJ1040A	158A	COVER,LAMP
3550JJ1032A	3550JJ1032A	3550JJ1032A	3550JJ1032A	158E	COVER,LAMP
3806JL2005B	3806JL2005B			160B	DECO,TRAY
3550JJ2026A	3550JJ2026A			161A	COVER,TRAY
3391JJ2004F	3391JJ2004F	3391JJ2004F	3391JJ2004F	170A	TRAY ASSEMBLY,MEAT
3581JJ8020E	3581JJ8020A	3581JJ8020P	3581JJ8020R	200A	DOOR ASSEMBLY,F
5433JJ0018K	5433JJ0018E	5433JJ0018B	5433JJ0018U	201A	DOOR FOAM ASSEMBLY,F
4987JJ1004A	4987JJ1004A	4987JJ1004A	4987JJ1004E	203A	GASKET ASSEMBLY,DOOR
5004JJ1042A	5004JJ1042A	5004JJ1042A	5004JJ1042A	205A	BASKET,DOOR
5004JJ2005B	5004JJ2005B	5004JJ2005B	5004JJ2005B	205B	BASKET,TILT
5004JJ2005A	5004JJ2005A	5004JJ2005A	5004JJ2005A	205C	BASKET,TILT
				205D	BASKET,DOOR
3650JJ0006B	3650JJ0006A			212A	HANDLE,R
		3650JJ1017K	3650JJ1017H	212A	HANDLE,F

MODELS

LRBN22520BQ	LRBN22520WW	LRBN22525SW	LRBN22525TT	LOC #	DESCRIPTION
3581JJ8024S	3581JJ8024N	3581JJ8024B	3581JJ8024D	230A	DOOR ASSEMBLY,R
5433JJ0019F	5433JJ0019C	5433JJ0019B	5433JJ0019L	231A	DOOR FOAM ASSEMBLY,R
4987JJ1004B	4987JJ1004B	4987JJ1004B	4987JJ1004F	233A	GASKET ASSEMBLY,DOOR
4974JJ2021A	4974JJ2021A	4974JJ2021A	4974JJ2021A	237A	GUIDE,BOTTLE
4974JJ1019A	4974JJ1019A	4974JJ1019A	4974JJ1019A	237D	GUIDE,DRAWER
3390JJ1036A	3390JJ1036A	3390JJ1036A	3390JJ1036A	237E	TRAY,DRAWER
3550JL2003D	3550JL2003D	3550JL2003D	3550JL2003D	241A	COVER,TRAY
5004JJ1021A	5004JJ1021A	5004JJ1021A	5004JJ1021A	241B	BASKET,DOOR
5004JJ1031A	5004JJ1031A	5004JJ1031A	5004JJ1031A	241C	BASKET,DOOR
5004JJ0001A	5004JJ0001A	5004JJ0001A	5004JJ0001A	241D	BASKET,DOOR
5004JJ1029A	5004JJ1029A	5004JJ1029A	5004JJ1029A	241E	BASKET,DOOR
4620JJ3006A	4620JJ3006A	4620JJ3006A	4620JJ3006C	243A	STOPPER,DOOR
4620JJ3006B	4620JJ3006A	4620JJ3006A	4620JJ3006C	243A	STOPPER,DOOR
3650JJ2009B	3650JJ2009A			244A	HANDLE,F
		3650JJ2008B	3650JJ2008A	244A	HANDLE,R
3806JJ1020C	3806JJ1020A			244B	DECO,HANDLE
		4930JJ2009E	4930JJ2009A	244B	HOLDER,HANDLE
3806JJ1020D	3806JJ1020B			244C	DECO,HANDLE
		4930JJ2010E	4930JJ2010A	244C	HOLDER,HANDLE
3806JJ2024B	3806JJ2024A			244D	DECO,HANDLE
5006JJ3008B	5006JJ3008A			244E	CAP,HINGE
		4930JJ2012E	4930JJ2012A	244F	HOLDER,HANDLE
		4930JJ2011E	4930JJ2011A	244G	HOLDER,HANDLE
3806JJ1018A	3806JJ1018A	3806JJ1018A	3806JJ1018A	248E	DECO,TRAY
4980JJ2005A	4980JJ2005A	4980JJ2005A	4980JJ2005A	248F	SUPPORTER,HOLDER
4930JJ1006A	4930JJ1006A	4930JJ1006A	4930JJ1006A	249C	HOLDER,RAIL
4930JJ1006B	4930JJ1006B	4930JJ1006B	4930JJ1006B	249D	HOLDER,RAIL
3806JJ2017A	3806JJ2017A	3806JJ2017A	3806JJ2017A	249F	DECO,TRAY
4974JJ1010A	4974JJ1010A	4974JJ1010A	4974JJ1010A	249G	GUIDE,RAIL
3550JJ2013B	3550JJ2013A	3550JJ2013A	3550JJ2013C	281A	COVER,HINGE
4775JJ2003B	4775JJ2003B	4775JJ2003B	4775JJ2003B	281B	HINGE ASSEMBLY,U
4775JJ2006K	4775JJ2006D	4775JJ2006D	4775JJ2006H	282B	HINGE ASSEMBLY,C
5006JJ3009B	5006JJ3009A	5006JJ3009A	5006JJ3009C	282D	CAP,COVER LOWER
5006JJ2001E	5006JJ2001A	5006JJ2001A	5006JJ2001F	282E	CAP,HINGE
3806JL2006A	3806JL2006A	3806JL2006A	3806JL2006A	282F	DECO,DUCT
5006JJ3011A	5006JJ3011A	5006JJ3011A	5006JJ3011A	282G	CAP,DUCT
5006JJ3004A	5006JJ3004A	5006JJ3004A	5006JJ3004A	282H	CAP,HINGE
				282K	CAP,DUCT
4774JJ3001A	4774JJ3001A	4774JJ3001A	4774JJ3001A	283B	HINGE,L
4774JJ2002A	4774JJ2002A	4774JJ2002A	4774JJ2002A	283D	HINGE,L
3550JA3120A	3550JA3120A	3550JA3120A	3550JA3120A	284B	COVER,CONNECTOR
5421JJ1001B	5421JJ1001B	5421JJ1001B	5421JJ1001B	301A	EVAPORATOR ASSEMBLY
3551JJ2008B	3551JJ2008B	3551JJ2008B	3551JJ2008B	304A	COVER ASSEMBLY,BACK-M/C
J733-00001A	J733-00001A	J733-00001A	J733-00001A	305B	ROLLER
J733-00001A	J733-00001A	J733-00001A	J733-00001A	305B	ROLLER
4J04238A	4J04238A	4J04238A	4J04238A	305C	PIN,DRAWING
4J04238A	4J04238A	4J04238A	4J04238A	305C	PIN,DRAWING

MODELS

LRBN22520BQ	LRBN22520WW	LRBN22525SW	LRBN22525TT	LOC #	DESCRIPTION
2521JJ8004A	2521JJ8004A	2521JJ8004A	2521JJ8004A	307A	COMPRESSOR,SET ASSEMBLY
6748JJ8002A	6748JJ8002A	6748JJ8002A	6748JJ8002A	308A	P.T.C ASSEMBLY
6750JJ8002A	6750JJ8002A	6750JJ8002A	6750JJ8002A	309A	O.L.P
3550JJ8003A	3550JJ8003A	3550JJ8003A	3550JJ8003A	310A	COVER,P.T.C
5040JA3031A	5040JA3031A	5040JA3031A	5040JA3031A	312A	RUBBER,SEAT
4620JA3009A	4620JA3009A	4620JA3009A	4620JA3009A	314A	STOPPER,COMP
3103JJ1001A	3103JJ1001A	3103JJ1001A	3103JJ1001A	315A	COMP BASE ASSEMBLY,STD
5851JJ2002A	5851JJ2002A	5851JJ2002A	5851JJ2002A	317A	DRIER ASSY
4930JJ3002A	4930JJ3002A	4930JJ3002A	4930JJ3002A	318A	HOLDER,DRIER
3390JJ0003A	3390JJ0003A	3390JJ0003A	3390JJ0003A	319A	TRAY,DRIP
4974JJ1009A	4974JJ1009A	4974JJ1009A	4974JJ1009A	319C	GUIDE,FAN
5403JJ1004A	5403JJ1004A	5403JJ1004A	5403JJ1004A	323A	CONDENSER ASSEMBLY,WIRE
5040JJ3002A	5040JJ3002A	5040JJ3002A	5040JJ3002A	328A	RUBBER,DAMPING
5901JJ1005A	5901JJ1005A	5901JJ1005A	5901JJ1005A	329A	FAN ASSEMBLY
5901JJ1004B	5901JJ1004B	5901JJ1004B	5901JJ1004B	329C	FAN ASSEMBLY
3531JJ1004A	3531JJ1004A	3531JJ1004A	3531JJ1004A	332A	GRILLE ASSEMBLY,FAN
6615JB2005C	6615JB2005C	6615JB2005C	6615JB2005C	401A	CONTROLLER ASSEMBLY(CIRC)
4680JK1002B	4680JK1002B	4680JK1002B	4680JK1002B	404A	MOTOR(MECH),FAN
4811JJ2002B	4811JJ2002B	4811JJ2002B	4811JJ2002B	405A	BRACKET ASSEMBLY,MOTOR
4810JJ3005A	4810JJ3005A	4810JJ3005A	4810JJ3005A	405B	BRACKET,MOTOR
J756-00008B	J756-00008B	J756-00008B	J756-00008B	405C	RUBBER,MOTOR-N
6600JB1004A	6600JB1004A	6600JB1004A	6600JB1004A	406B	SWITCH,[PUSH]
6912JB2004C	6912JB2004C	6912JB2004C	6912JB2004C	409B	LAMP,[INCANDESCENT]
6912JK2002A	6912JK2002A	6912JK2002A	6912JK2002A	409C	LAMP,[INCANDESCENT]
6621JK2002D	6621JK2002D	6621JK2002D	6621JK2002D	410A	SOCKET ASSEMBLY,LAMP
0CZZJB2003H	0CZZJB2003H	0CZZJB2003H	0CZZJB2003H	410G	CAPACITOR,DRAWING
6411JK1006A	6411JK1006A	6411JK1006A	6411JK1006A	411A	POWER CORD ASSEMBLY
5300JB1100J	5300JB1100J	5300JB1100J	5300JB1100J	418A	HEATER,SHEATH
6871JB1215A	6871JB1215A	6871JB1215A	6871JB1215A	501A	PWB(PCB) ASSEMBLY,MAIN
3550JJ1042A	3550JJ1042A	3550JJ1042A	3550JJ1042A	501F	COVER,PWB
3034JJ1002A	3034JJ1002A	3034JJ1002A	3034JJ1002A	503B	REFLECTOR,LAMP
6871JB2047A	6871JB2047A	6871JB2047A	6871JB2047A	503C	PWB(PCB) ASSEMBLY,DISPLAY
3110JJ1005A	3110JJ1005A	3110JJ1005A	3110JJ1005A	503D	CASE,DISPLAY
3550JJ2031A	3550JJ2031A	3550JJ2031A	3550JJ2031A	503E	COVER,DISPLAY
		4930JJ2013A	4930JJ2013A	607A	HOLDER,BRACKET
3550JL2004A	3550JL2004A	3550JL2004A	3550JL2004A	610A	COVER,SENSOR
3651JL8001E	3651JL8001D	3651JJ1010P	3651JJ1010F	700A	HANDLE ASSEMBLY,PACKAGE
3651JJ1011B	3651JJ1011A	3651JJ8001A	3651JJ8001B	700B	HANDLE ASSEMBLY,F
3651JJ1012B	3651JJ1012A	3651JJ8002A	3651JJ8002B	700C	HANDLE ASSEMBLY,R
3J05696C	3J05696C	3J05696C	3J05696C	S24	SCREW,DRAWING
3J05696C	3J05696C	3J05696C	3J05696C	S24	SCREW,DRAWING
4000W4A003A	4000W4A003A	4000W4A003A	4000W4A003A	S38	SCREW,DRAWING

