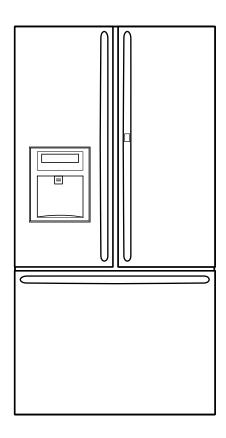


# REFRIGERATOR SERVICE MANUAL

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



Model #s:

795. 72063.11\* 795. 72062.21\*

## **CONTENTS**

SA	AFETY PRECAUTIONS	2
1.	SPECIFICATIONS	3-4
2.	PARTS IDENTIFICATION	5
3.	DISASSEMBLY	
	REMOVING AND REPLACING REFRIGERATOR DOORS	6
	DOOR	7
	DOOR ALIGNMENT	8
	FAN AND FAN MOTOR (EVAPORATOR)	8
	DEFROST CONTROL ASSEMBLY	9
	LAMP	10
	MULTI DUCT	11
	MAIN PCB	12
	DISPENSER COVER DISASSEMBLY	12
	DISPLAY PCB REPLACEMENT	13
	FUNNEL REPLACEMENT	13
	SUB PCB FOR DISPENSER	13
	CAP DUCT REPLACEMENT	13
	CAP DUCT MOTOR REPLACEMENT	13
	ICE CORNER DOOR REPLACEMENT	14
	ICEMAKER REPLACEMENT	14
	HOW TO REMOVE A ICE BIN	15
	HOW TO PLACE ICE BIN IN POSITION	15
	PULL OUT DRAWER	16
	HOW TO REMOVE AND REINSTALL THE PULLOUT DRAWER	17-18
	WATER VALVE DISASSEMBLY METHOD	19
	FAN AND FAN MOTOR DISASSEMBLY METHOD	19
	CAUTION: SEALED SYSTEM REPAIR	20
	3 WAY VALVE SERVICE SERVICE	20
	DID DISASSEMBLY	
4.	ADJUSTMENT	21
5.	CIRCUIT DIAGRAM	22
6.	TROUBLESHOOTINTG	23-24
7.	PCB PICTURE	25-26
8.	TROUBLESHOOTING WITH ERROR DISPLAY	27-38
	TROUBLESHOOTING WITHOUT ERROR DISPLAY	
	). REFERENCE	
11.	. COMPONENT TESTING INFORMATION	52-61
	TRBOUBLESHOOTING	
13.	B. ICEMAKER OPERATING METHOD AND TROUBLE SHOOTING	75-78
	DESCIPTION OF FUNCTION & CIRCUIT OF MICOM	

## **SAFETY PRECAUTIONS**

Please read the following instructions before servicing your refrigerator.

- 1. Unplug the power before handling any elctrical componets.
- 2. Check the rated current, voltage, and capacity.
- 3. Take caution not to get water near any electrical components.
- 4. Use exact replacement parts.
- 5. Remove any objects from the top prior to tilting the product.

## 1. SPECIFICATIONS

## 1-1 DISCONNECT POWER CORD BEFORE SERVICING IMPORTANT - RECONNECT ALL GROUNDING DEVICES

All parts of this appliance capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

#### 1-2 IMPORTANT NOTICE

This information is intended for use by individuals possessing adequate backgrounds of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

#### 1-3 ELECTRICAL SPECIFICATIONS

Temperature Control (Freezer Compartment) .	-6°F to +8°F
Defrost ControlTotal Comp Running Time:	7 hrs~50 hrs
Defrost Thermostat	41°F
Electrical Rating: 115VAC, 60Hz	5.2 A
Maximum Current Leakage	0.5 mA
Maximum Ground Path Resistance	0.14 Ohms
Energy Consumption 31cu.ft. 578 kwh	/yr (E/STAR)

## 1-4 NO LOAD PERFORMANCE CONTROL POSITION: MID/MID

And Ambient of :	. 70°F	90°F
Fresh Food, °F	33°F to 41°F	33°F to 41°F
Frozen Food, °F	-4°F to +4°F	4°F to +4°F
Percent Running Time	50%-65%	65%-80%

#### 1-5 REFRIGERATION SYSTEM

Minimum Compressor Capacity Vacuum	21 MIN.
Minimum Equalized Pressure	
@ 70°F	49 PSIG
@ 90°F	56 PSIG
Refrigerant R134a	4.76 oz.
Compressor	1023 BTU/hr

#### 1-6 INSTALLATION

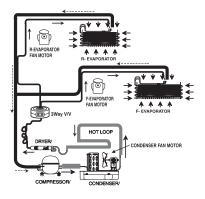
Clearance must be provided at real	r of the reingerator for air
circulation.	
AT REAR	2 in

#### 1-7 REPLACEMENT PARTS

31cu,ft 795.72063.11\*

R-Defrost Thermostat F-Defrost Thermostat F-Defrost Heater R-Defrost Heater F-Evaporator Fan Motor R-Evaporator Fan Motor Capacitor (Running) Compressor (Hi-Side) R-Evaporator(Lo-Side)	6615JB2005S MEE62225101 MEE62105201 EAU60694510 EAU36179305 EAE58905704 TCA35271201
R-Evaporator(Lo-Side)	ADL73341401
F-Evaporator(Lo-Side)	ADL73341301
Conderser	
Dryer	5851JA2008W
Condenser Fan Motor	EAU61505101
Temperature Control	ACQ85571105(ST)
Main Control	FBR73093603
Wall Control	בפונים וויים

#### 1-8 AIR FLOW / CIRCULATION D'AIR



EVAPORATOR

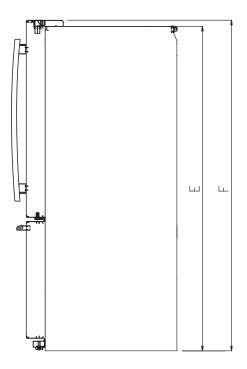
EVAPORATOR

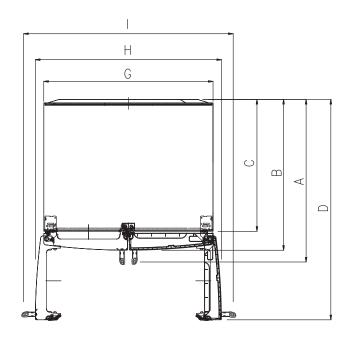
AIR FLOW

Vegetable box
FREEZER

COLD AIR
MIXED AIR
VAPORATOR

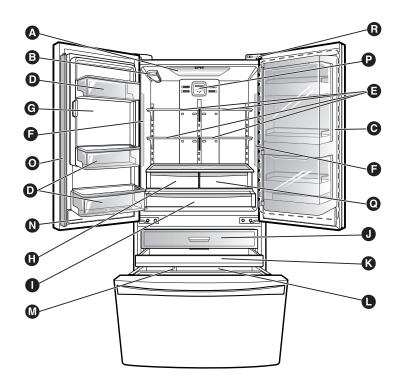
VAPORATOR

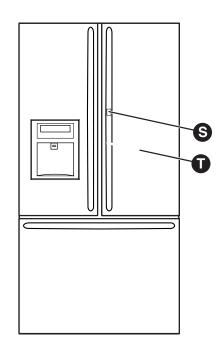




Description		795.7206*
Depth w/ Handles	Α	36 1/4 in
Depth w/o Handles	В	33 3/4 in
Depth w/o Door	С	29 1/2 in
Depth (Total with Door Open)	D	48 1/8 in
Height to Top of Case	Е	68 3/4 in
Height to Top of Door Hinge	F	70 1/4 in
Width	G	35 3/4 in
Width (door open 90 deg. w/o handle)	Н	40 in
Width (door open 90 deg. w/ handle)	I	44 1/4 in

## 2. PARTS IDENTIFICATION



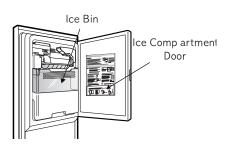


Use this page to become more familiar with the parts and features of your refrigerator. Page references are included for your convenience.

**NOTE:** This guide covers several different models. The refrigerator you have purchased may have some or all of the items listed below. The locations of the features shown below may not match your model.

- A Refrigerator Light (Top)
- Water Filter (Inside)
- Case Assembly, Home Bar
- Fixed Door Bins
- Refrigerator Shelves
- Refrigerator Light
- (Ice Compartment (Icemaker and Ice Bin)
- Humidity Controlled Crisper
- Temperature Controlled Pantry Drawer

- Pullout Drawer (Top)
- Pullout Drawer (Middle)
- Durabase
- M Durabase Divider
- **Water Tank Cover**
- Articulating Mullion
- Air Filter
- Airtight Crisper
- R Kenmore Connect
- S Push, Button
- **M** Homebar, Door



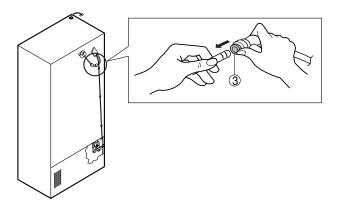
### 3. DISASSEMBLY

#### 3-1 REMOVING AND REPLACING REFRIGERATOR DOORS

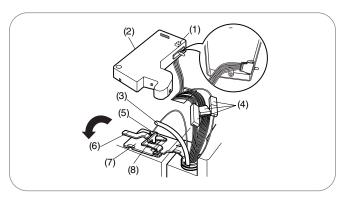
#### To remove the left refrigerator door:

Pull the water tube out of the fitting while pressing the release ring on the fitting.

When you pull out the tube, first you have to push the collet by opposite direction of arrow in the upper picture and tube pull out by direction of arrow.



▲ CAUTION: Before you begin, remove food and bins from the doors.

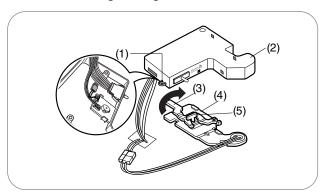


- Open the door. Remove the top hinge cover screw (1).
- Use a flat-head screwdriver to pry back the hooks (not shown) on the front underside of the cover (2).
   Lift up the cover.
- Remove the cover. Pull out the tube (3).
- Disconnect all the wire harnesses (4).
- Remove the grounding screw(5)
- Rotate hinge lever (6) counterclockwise.
   Lift the top hinge (7) free of the hinge lever latch (8).

**IMPORTANT:** When lifting the hinge free of the latch, be careful that the door does not fall forward.

- Lift the door from the middle hinge pin and remove the door.
- Place the door, inside facing up, on a nonscratching surface.

#### To remove the Right refrigerator door:



- Open the door. Remove the top hinge cover screw (1).
   Lift up the cover (2).
- · Remove the cover.
- Rotate the hinge lever (3) clockwise.
   Lift the top hinge (4) free of the hinge lever latch (5).
   IMPORTANT: When lifting the hinge free of the latch, be careful that the door does not fall forward.

#### **▲ WARNING**

#### **Explosion Hazard**

- Disconnect electrical supply to the refrigerator before installing. Failure to do so could result in death or serious injury.
- Do not put hands or feet or other objects into the air vents, base grille, or bottom of the refrigerator.
   You may be injured or receive an electrical shock.
- Be careful when you work with the hinge, base grille, and stopper. You may be injured.

#### **3-2 DOOR**

- Mullion Removal
- 1. Remove 2 screws.



2. Lift mullion up carefully.

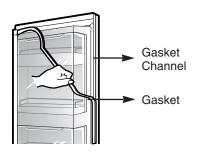


3. Disconnect wire harness.

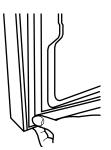


- Door Gasket Removal
- 1. Remove gasket

Remove the gasket from gasket channel at doorliner as shown in the illustration below.



- Door Gasket Replacement
- Insert gasket into channel
   Insert and press gasket into channels at doorliner.



- Mullion Replacement
- 1. Connect wire harness.



**2. Insert mullion into channel.**Insert the mullion into channel at door as shown below.



3. Assemble 2 screws.



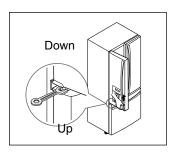
#### 3-3 Door Alignment

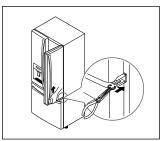
If the level of refrigerator doors is uneven, follow the instructions below to align the doors:

Turn the leveling legs (CCW) to raise or (CW) to lower the height of the front of the refrigerator by using flat blade screw driver or 11/32" wrench. Use the wrench (Included with the User Manual) to adjust the bolt in the door hinge to adjust the height. (CW to raise or CCW to lower the height.) The Left refrigerator door has an adjustable nut, located on the bottom hinge, to raise and lower them to align properly. If the space between your doors is uneven, follow the instructions below to align the Left door evenly: Use the wrench (included with the Use & Care Guide) to turn the nut in the door hinge to adjust the height.

On the other hand, The Right refrigerator door does not have an adjustable nut. If the space between your doors is uneven, follow the instructions below to align the Right door:

- 1. With one hand, lift up the Right door you want to raise at middle hinge.
- 2. With other hand, use pliers to insert snap ring as shown.
- 3. Insert additional snap rings until the Right door is aligned. (Three snap rings are provided with unit.)

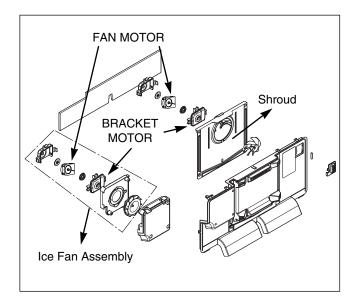




#### 3-4 FAN AND FAN MOTOR

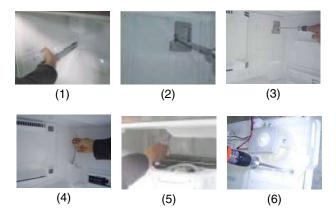
#### 3-4-1 FAN AND FAN MOTOR(Freezer Room)

- 1. Remove the freezer drawer.
- Remove the plastic guide for slides on left side by unscrewing phillips head screws.
- Remove the grille assembly by removing four screws and pulling the grille assembly forward.
- Remove the Fan Motor assembly by loosening 3 screws and disassembling the shroud.
- Pull out the fan and separate the Fan Motor and Bracket Motor.



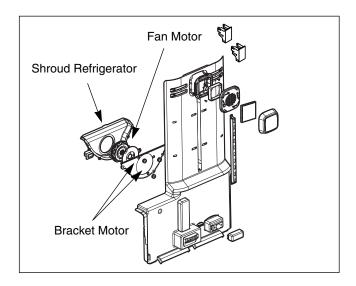
#### \* Ice Fan Assembly Replacement

- Remove the plastic guide for slides on left side by unscrewing phillips head screws.
- Pull out the cover sensor to disassemble by using tools shown in the figure.
- 3) Pull out the cover grille to disassemble by using tools shown in the figure.
- 4) Put your hand into the inside of grille to disassemble shown in the figure.
- 5) Disconnect wire harness of the grille assembly.
- 6) Remove the Ice fan assembly by loosening all screws.

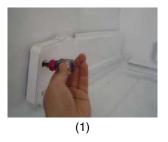


#### 3-4-2 FAN AND FAN MOTOR(Refrigerator Room)

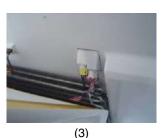
- 1. Remove all shelf and guide rail on left side.
- 2. Remove upper and lower Caps by using a flat screwdriver. And then, remove 2 screws under Caps.
- 3. Pull out the Multi Duct outward slightly.
- 4. Disconnect the lead wire on bottom as shown.
- 5. Grip both side of Multi Duct, pull it out.
- Remove the Shroud Refrigerator by loosening 4 screws and disassembling the Multi Duct.
- 7. Pull out the Fan Motor



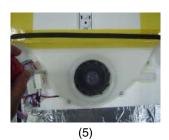
- \* Fan Motor Replacement
- 1) Remove guide rail on left side.
- 2) Remove Caps and 2 screws under Caps
- 3) Disconnect the lead wire
- 4) Grip both side of Multi Duct, pull it out.
- Remove 4 screws of Shroud Refrigerator on back of Multi Duct.
- 5) Remove Shroud Refrigerator and Replace Fan Motor.

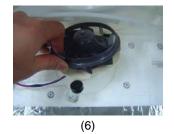












#### 3-5 DEFROST CONTROL ASSEMBLY

3-5-1 DEFROST CONTROL ASSEMBLY(Freezer Room)

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 46F(8°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 1)
- 2. Separate the connector with the Defrost Control assembly and replace the Defrost Control assembly after cutting the Tie Wrap. (Figure 2)

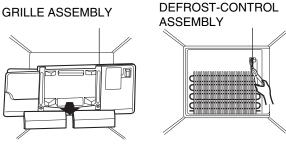


Figure 1

Figure 2

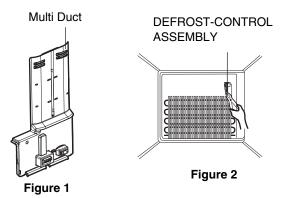
## 3-5-2 DEFROST CONTROL ASSEMBLY (Refrigerator Room)

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 46F(8 $^{\circ}$ C), it turns the Defrost Heater off. Fuse-M is a safety device for preventing over-heating of the Heater when defrosting.

- 1. Pull the Multi Duct (Figure 1)
- 2. Separate the connector with the Defrost Control assembly and replace the Defrost Control assembly after cutting the Tie Wrap. (Figure 2)



#### 3-6 Refrigerator Light (Top)

Unplug Refrigerator, or disconnect power at the circuit breaker.

If necessary, remove top shelf or shelves.

#### 3-6-1 Refrigerator Compartment Lamp

- 1) Release 2 screws.
- Hold both ends with your both hands and pull it downward to remove it.





3) To remove the case lamp and cover lamp, release another 2 screws as following picture.

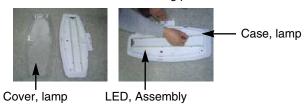


4) Use a flat blade screwdriver as shown below to remove the cover lamp.





5) To remove the LED Assembly, open the Hook part to pull it out as shown in the following picture.



#### 3-6-2 Refrigerator Light (Side)

- 1. Unplug refrigerator power cord from electric outlet.
- 2. Put flat screwdriver into sevice hole and remove cover of refrigerator light.





3. Remove the LED assembly from connector.





4. Replace LED assembly.





5. Assemble the cover in reverse order.

#### 3-6-3 Cap Duct LED LAMP(Bottom)

- 1. Unplug refrigerator power cord from electric outlet.
- 2. Open the refrigerator door to need diassembly.
- 3. Put flat screwdriver into service hole, remove the cover of cap duct LED LAMP.



4. Remove the LED assembly from connector.







5. Replace LED assembly.



6. Assembly the cover in reverse order.

#### 3-7 MULTI DUCT

1. Remove 2 screws and guide rail.





2. Remove the upper and lower Caps by using a flat screwdriver and remove 2 screws as shown figure.





3. Disconnect the lead wire on the bottom position



4. Grip both side of multi duct, pull it out.



#### 3-8 Air Filter

1) Remove filter cover to turn counterclockwise about 30 degree.









Remove old air filter from filter cover. Install new air filter in filter cover to see "FRONT"

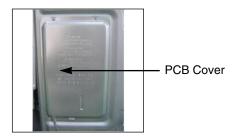




3) Filter cover put on multi duct inposition, And turn air filter clockwise about 30 degree.

#### 3-9 MAIN PCB

- ▲ WARNING: Unplug the refrigerator before removing the control board.
- 1) Remove 3 screws on the PCB cover.



2) Remove the PCB cover



3) Disconnect wire harness and replace the main PCB in the reverse order of removal.



#### 3-10 DISPENSER COVER DISASSEMBLY

1) Disconnect funnel by pulling down and forward.



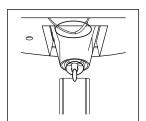
 Insert a flat blade screwdriver into side hole at the bottom of the dispenser cover assembly to remove it.



 Hold the bottom side of the dispenser cover assembly as shown in the picture, and pull and remove it.



▲ CAUTION: When replacing the dispenser cover, be careful that the lead wire in not exposed and the water tube is not pinched by the dispenser cover, as shown in the picture below.



#### **3-11 DISPLAY PCB REPLACEMENT**

 Remove the dispenser cover and replace PCB with dispenser cover.



2) Follow the steps in the pictures.



#### **3-12 FUNNEL REPLACEMENT**

- 1) Remove 2 screws.
- 2) Disconnect the wire harness.
- 3) Replace the reverse order of removal.





#### 3-13 SUB PCB FOR WORKING DISPENSER

1) Loosen the screw on the sub PCB.





- 2) Pull the sub PCB down.
- 3) Disconnect the wire harness and replace the sub PCB in the reverse order of removal.





#### **3-14 CAP DUCT REPLACEMENT**

- 1) Remove the dispenser cover.
- 2) Disconnect the wire harness.
- 3) Remove the funnel.
- 4) Replace in reverse order.





#### **3-15 CAP DUCT MOTOR REPLACEMENT**

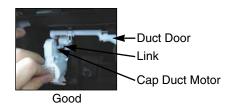
1) Separate the Housing of Cap Duct Motor.



2) Remove 3 screws to disassemble the motor.



3) When assembling a new Motor, always make sure of the Duct Door and Link to install the Motor.





Bad

4) Assemble 3 screws.

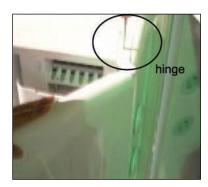


5) Connect the Housing.



#### 3-16 ICE CORNER DOOR REPLACEMENT

- 1) Remove the front screw as shown in the picture.
- 2) Lift up the hinge with one hand.
- 3) Pull out the Ice Corner Door with the other hand.



#### 3-17 Icemaker replacement

1) Remove four screws marked in the picture below.



2) Grasp the bottom of motor cover assembly and pull it out slowly to remove.



3) Disconnect wire harness from wall of compartment.





In-door motor

▲ CAUTION: Make sure that the wire harness shown below is positioned properly in the clips on the back of the cover, and taped in place. If this harness is loose it will not allow the motor housung assembly to fit flush to the door liner.



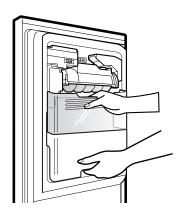




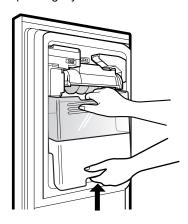


#### 3-18 HOW TO REMOVE ICE BIN

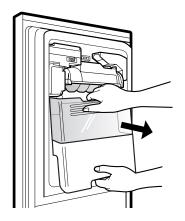
1) Grip the handles, as shown in the picture.



2) Lift the lower part slightly.

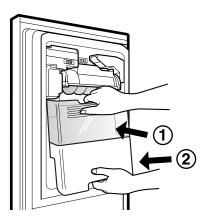


3) Take the Ice Bin out slowly.



#### 3-19 HOW TO PLACE ICE BIN IN POSITION

1) Insert the Ice Bin, slightly tilting it to avoid touching the Icemaker. (Especially, Ice-Detecting Sensor)

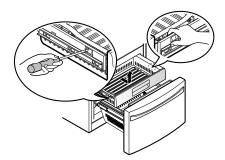


Note) Before remove ice bin, put on clean golves for keeping clean ice bin.

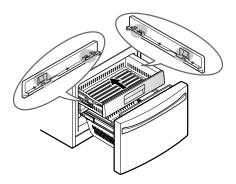
#### **3-20 PULL OUT DRAWER**

#### **Top Drawer**

1. Use a flat blade screwdriver to push the tab in on the left rail and push the tab on the right rail in with your finger. Once the tabs have been pushed in, you can lift the tray up and out.

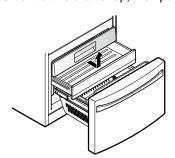


2. Pull both rails out to the full extension and insert the insert the back of the tray into both rails. Then set the front of the tray into the rail and push it until you hear it click into place.

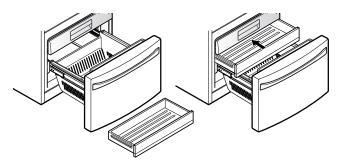


#### **Middle Drawer**

To remove the middle drawer.
 Pull the drawer out to full extension. Lift the front of the drawer up, then pull it straight out.



2. To install, slightly tilt up the front and insert the drawer into the frame and push it back into push it back place.



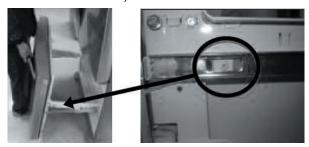
#### 3-21 HOW TO REMOVE AND REINSTALL THE PULLOUT DRAWER

#### 3-21-1 Follow Steps to Remove

Step 1) Open the freezer door.



Step 3) Remove the two screws from the guide rails (one from each side)



Step 5) Remove only 1 screw of gearice, and disassemble the bar and gearice



Step 2) Remove the lower basket.



Step 4) Removal of the freezer door is done by I ifting clear of the rail support.

Fully extend both rails.



Step 6) Remove 2 screws of both side of supporter covers tv and disassemble the supporter cover tv.



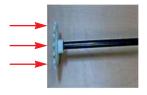
#### 3-21-2 Follow Steps to Reinstall

Step 1) Insert both side of supporter cover tv into connector rails, and then screw them.





Step 3) ① Assemble a bar and gear ice with screw.
② Push the otherside of the gear to inside of the har





Step 3) Put gear ice assembled with the bar by screw into connector rail's hole.



Step 4) Insert opposite gear ice into connector rail and screw them





Step 5) The rail system will align itself by pushing the rails all the way into the freezer section.

Pull the rails back out to full extension.





Step 6) Reinstall the freezer door by inserting the rail tabs into the guide rail.

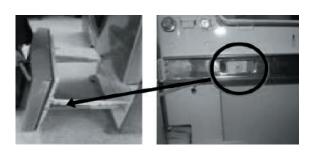


\* Assemble them like as pictures





Step 7) Reinstall the two screws into the guide rails (one from each side).



Step 8) Reinstall the lower basket, and close the freezer door.



#### 3-22 WATER VALVE DISASSEMBLY METHOD

 Turn off the water. Then separate the water line from the valve.



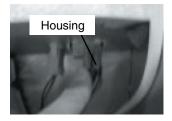


2) Separate the Mechanical Cover and Valve Screw.





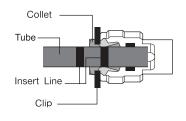
3) Separate the housing and pull out the valve.





4) Befrore disconnecting the water lines, place a towel under the water valve to catch any water that may come out. Pull out the clip and press the collet to separte the water line from the valve.

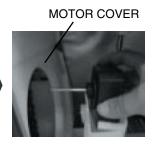




## 3-23 FAN AND FAN MOTOR DISASSEMBLY METHOD

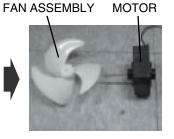
 Using a short screwdriver, loosen one SCREW in DRAIN PIPE ASSEMBLY and one connected to the MOTOR COVER.





Pull and separate the FAN ASSEMBLY and MOTOR turning counterclockwise based on the MOTOR SHAFT.





The assembly is in the reverse order of the disassembly and take special care for the following details.

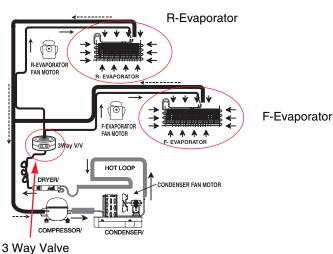
- 1. Be careful not to bend the tube during assembly.
- Press the WATER DISPENSER button until water pours out and check for leakage in the CONNECTOR TUBE (It differs by the water pressure but usually takes about 2 minutes until water pours out.)

#### 3-24 CAUTION: Sealed System Repair

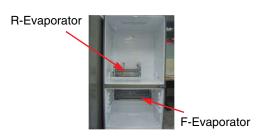
Before making a sealed system repair: Start with the power cord unplugged from the outlet. Plug in the power cord and between 6 and 12 seconds after it has been pugged in, unplug it from the power source. this will allow both sides of the 3 way valve to be opened to allow for proper evacuation.

#### 3-25 3 Way Valve Service

- The 3 way valve has plastic parts inside, so always wrap it with a wet cloth before servicing when using a torch.
- 1) Always replace the 3 way valve if there is a leak at any one of the 3 tubes coming from it.
- 2) Service in replacement of valve (valve failure) Perform service in the same method as above.



Whole picture of refrigerator



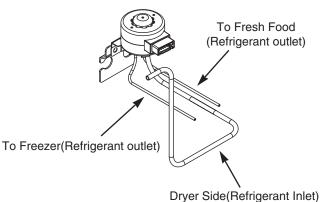
R-Evaporator



F-Evaporator



3 way valve



Note: To service sealed system, follow the directions in "3-24" and "3-25" above. Then service is the same as a single evaporator system.

#### 3-26 HOW TO REMOVE AND REINSTALL THE HOMEBAR

#### 3-26-1 CASE ASSEMBLY, HOME BAR

The Home Bar is removable for easy cleaning and adjustment.

- 1. To remove the Home Bar, Slopingly lifts the Home Bar up and pulls straight out.
- 2. To replace the Home Bar, Slopingly slides it in above the desired support and push down until it snaps into place.

**NOTE**: Some Home Bar may vary in appearance and will only fit in one location.



#### 3-26-2 DOOR BASKET OF HOME BAR DOOR

The Door Baskets are removable for easy cleaning and adjustment.

- 1. To remove the Door Baskets, simply lifts the Door Baskets up and pulls straight out.
- 2. To replace the Door Baskets, slides it in above the desired support and push down until it snaps into place.

**NOTE**: Some Door Baskets may vary in appearance and will only fit in one location.



#### 3-26-3 DOOR BASKET OF HOME BAR

The Door Baskets of Homebar are removable for easy cleaning and adjustment.

- 1. To remove the Door Baskets of Homebar, simply lifts the Door Baskets of Homebar up and pulls straight out.
- 2. To replace the Door Baskets of Homebar, slides it in above the desired support and push down until it snaps into place.

NOTE: Some Door Baskets of Homebar may vary in appearance and will only fit in one location.





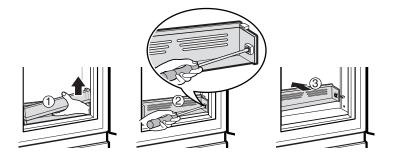


#### 3-26-4 COVER FRONT

The Cover Front is removable for easy cleaning and adjustment.

- 1. To remove the Cover Front, simply lifts the basket doorr up and pulls slopingly out.
- 2. Remove two screws of The Cover Front and pull slopingly straight out.

**NOTE**: To replace the Cover Front and basket door, Slide them in above desired support and push down until them snaps into place.



#### 3-27 HOW TO REMOVE AND REINSTALL THE HOMEBAR DOOR

1. Remove three Screws on the Top of Frame Door.



2. Pull Frame Door. up and out.



#### 3-28 HOW TO REMOVE AND REINSTALL THE DOOR FOAM ASSEMBLY, REFRIGERATOR

1. Remove the Screw of Right Hinge Cover.



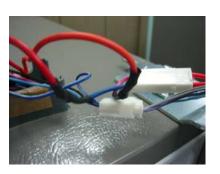
3. Rotate the hinge lever clockwise.



5. Pull THE DOOR FOAM ASSEMBLY, REFRIGERATOR up and out.



2. Remove two Wire connectors.



4. Separate the Home Bar.



#### 3-29 HOW TO REMOVE FRAME DOOR SWITCH OF DOOR FOAM

1. Remove screws on hinge assebmbly, Upper



2. Separate the Cap, decor on the frame door.





3. Press the hook of door switch, Then pushes it outward.





4. Remove a wire connector for change.

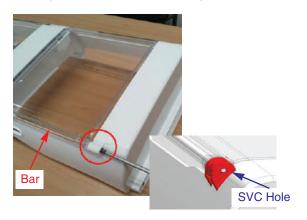


#### 3-30 HOW TO REMOVE THE HOME BAR DOOR.

1. Remove the screw located on the top of hinge.



3. Remove the bar by pushing it up from the bottom through the SVC hole (bottom hinge).



2. Remove the cap hinge(upper)



4. Pull out the bar thought the top hinge.



5. Separate the Cover.



## 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 Note for Usage

- (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 Cover PTC Compressor may fail due to breakdown of their insulating capabilities.
- (4) Always use the Parts 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. Use only approved substitute parts.

#### 4-1-3 Remove the cover PTC





(1) Remove the Cover Back M/C





(2) Remove two screws on comp base



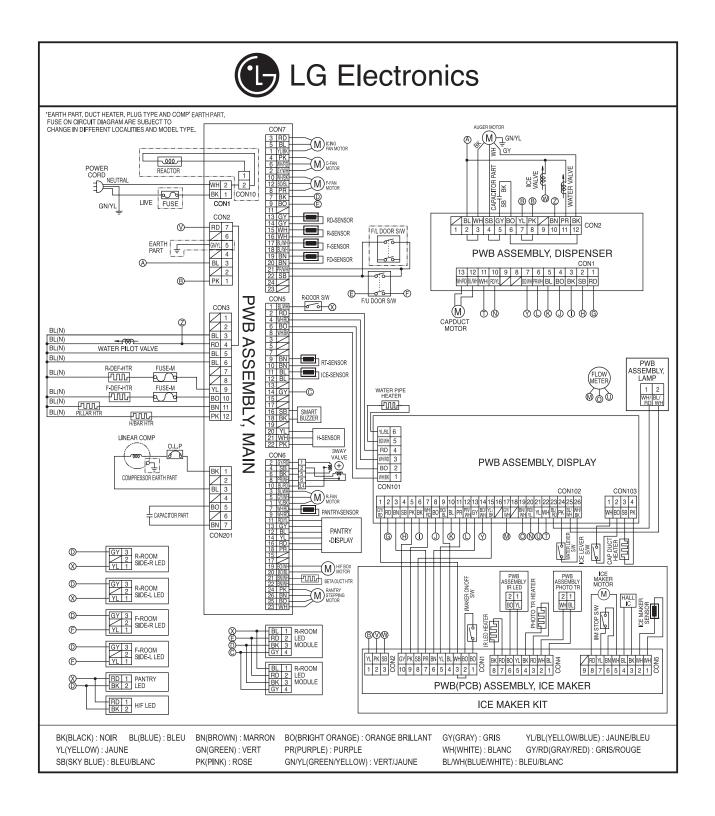


- (3) Use a L-shaped flap tooll to pry off the cover
- (4) Assembly in reverse order of disassembly

#### 4-2-3 Compressor protection logic

 Since linear Comp conducts linear reciprocating motion, we have protection logic for compressor, motor and PCB

## 5. CIRCUIT DIAGRAM



## 6. TROUBLESHOOTING

#### 6-1. Error Code Summary

▲ WARNING: When you check the Resistance values, be sure to turn off the power.

And wait for the voltage-discharge sufficiently.



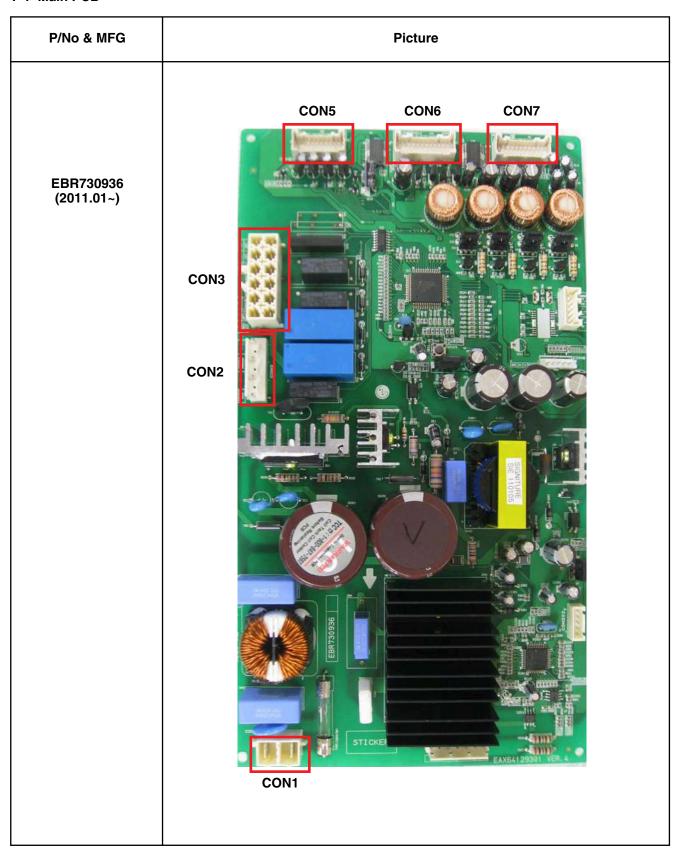
- NOTE) When 3 hours passed after error happend, all main errors are displayed on display panel except sub error.
  - Sub error not displayed before press the Ultra ICE button and Freezer button simultaneously.
  - Sub errors as follow: "Er rt", "Er SS", "Er IS(except lcing sensor error)", "Er gF", "Er It", "Er HS"
  - "Er IS" which is displayed without input of user is icing sensor error.

	Error Detection Category	Error Display			
NO		Freezer Temperature (Error code ①)	Refrigerator Temperature (Error code ②)	Error Generation Factors	Remark
1	Normality			None	Normal operation of Display
2	Freezer Sensor Error	Er	FS	Short or Disconnection of Freezer Sensor	
3	Refrigerator Sensor Error	Er	rS	Short or Disconnection of Refrigerator Sensor	
4	Freezer Defrost Sensor Error	F	dS	Short or Disconnection Of Defrost Sensor	
5	Refrigerator Defrost Sensor Error	r	dS	Short or Disconnection Of Defrost Sensor	
6	Humidity Sensor Error	Er	HS	Short or Disconnection Of Humidity	Check Each sensor and its Connector.
7	Icing Sensor Error	Er	IS	Short or disconnection of the sensor about Ice maker (Icing sensor, Ice maker sensor)	
8	Pantry sensor error	Er	SS	Short or Disconnection of Pantry Sensor	
9	Room Temp Sensor Error	Er	rt	Short or Disconnectoin of Room temp.sensor	
10	lce maker kit defect	Er	lt	Other Electric system error such as moter, gear, Hall IC, operation circuit within I/M kit	When the ice does not drop even when the I/M Test S/W is pressed (same as model applied Twisting Ice Maker before)
11	Flow Meter(Sensor) Defect	Er	gF	Error of flow meter or water input or low water pressure	Error of flow meter or water input or low water pressure or flow meter connection
12	Freezer Defrosting Error	F	dH	Even though it is passed 80Minute since then Defrosting, If Defrosting sensor is not Over 40 °F (5 °C), it is caused	Temperature Fuse Disconnection Heater
13	Refrigerator Defrosting Error	r	dH	Even though it is passed 50Minute since then Defrosting, If Defrosting sensor is not Over 40 °F(5 °C), it is caused	Disconnection, DRAIN Jam, Poor Relay for Heater
14	Abnormality of BLDC FAN Motor for Ice Making	Er	IF	It is caused when feedback signal isn't over 65 seconds during BLDC FAN motor operating	Poor BLDC Motor connection, DRIVE IC, and TR

		Error Display			
NO	NO Error Detection Category	Freezer Temperature (Error code ①)	Refrigerator Temperature (Error code ②)	Error Generation Factors	Remark
15	Abnormality of BLDC FAN Motor for Freezer	Er	FF	It is caused when feedback signal isn't over 65 seconds during BLDC FAN motor operating	Poor BLDC Motor connection, DRIVE IC, and TR
16	Abnormality of BLDC FAN MOTOR For Refrigerator	Er	rF	It is caused when feedback signal isn't over 65 seconds during BLDC FAN motor operating	Poor BLDC Motor connection, DRIVE IC, and TR
17	Abnormality of BLDC FAN Motor for Mechanic Room	Er	CF	It is caused when feedback signal isn't over 65 seconds during BLDC FAN motor operating	Poor BLDC Motor connection, DRIVE IC, and TR
18	Communication Error	Er	СО	Communication Error between Micom of Main PCB and Display Micom	Poor Communication connection,Poor TR of Transmitter and Receiver Tx/Rx between display and main board.

## 7. PCB Picture

#### 7-1 Main PCB



#### 7-2 Display PCB & Sub PCB

P/No	Picture
Display PCB EBR73330702	CON104 CON102 CON105 CON101 CON103
(2011.03.30)	
Sub PCB EBR60070710 (2011.01~)	STICKER

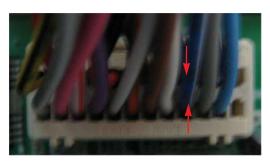
## 8. Troubleshooting With Error Display

#### 8-1 Freezer Sensor Error (Er FS)



No	Checking flow	Result & SVC Action
1	Check for a loose connection.	

#### 2 Check the <u>Blue/White to</u> <u>Blue/White.</u>



<CON7>

Result		SVC Action
0 Ω	Short	Change the sensor
OFF	Open	possible open harness in cabinet
Other	Normal	Check the Temp and resistance (Table-1)

#### <Temperature table-1>

(1) To (2)	Result
-22°F / -30°C	<b>40</b> kΩ
-13°F / -25°C	<b>30</b> kΩ
-4°F / −20°C	<b>23</b> kΩ
5°F / −15°C	<b>17</b> kΩ
14°F / -10°C	<b>13</b> kΩ
23°F / -5°C	<b>10</b> kΩ
32°F / 0°C	<b>8</b> kΩ

\* The sensor is determined by the temperature.

For example,  $23k\Omega$  indicates -4°F.

## 8-2 Refrigerator Sensor Error (Er rS)



No	Checking flow	Result & SVC Action
1	Check for a loose connection.	

#### Check the White to White. 2



<CON7>

Re	sult	SVC Action
0 Ω	Short	Change the sensor
OFF	Open	Replace the refrigerator
Other	Normal	Check the Temp and resistance (Table-2)

#### <Temperature table-2>

(1) To (2)	Result				
23°F / -5°C	<b>38</b> kΩ				
32°F / 0°C	<b>30</b> kΩ				
41°F / 5°C	<b>24</b> kΩ				
50°F / 10°C	<b>19.5</b> kΩ				
59°F / 15°C	<b>16</b> kΩ				

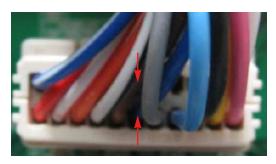
**\*** The sensor is determined by the temperature. For example,  $30k\Omega$  indicates  $32^{\circ}F$ .

## 8-3 Icing Sensor Error (Er IS)



No	Checking flow	Result & SVC Action
1	Check for a loose connection.	

#### Check the Blue to Blue. 2



<CON5>

Re	sult	SVC Action
0 Ω	Short	Change the sensor
OFF	Open	Replace the refrigerator
Other	Normal	Check the Temp and resistance (Table-1)

#### <Temperature table-1>

(1) To (2)	Result
-22°F / -30°C	<b>40</b> kΩ
-13°F / -25°C	<b>30</b> kΩ
-4°F / -20°C	<b>23</b> kΩ
5°F / −15°C	<b>17</b> kΩ
14°F / -10°C	<b>13</b> kΩ
23°F / -5°C	<b>10</b> kΩ
32°F / 0°C	<b>8</b> kΩ

**\*** The sensor is determined by the temperature. For example,  $23k\Omega$  indicates -4°F.

## 8-4 Defrost Sensor Error (F dS)



No	Checking flow			Result	& S	SVC Action		
1	Check for a loose connection.							
2	Check the Orange to Orange.							
			F	Result		SVC Action		
			0 Ω	Short		Change the senso	or	
			OFF	Open	_	Replace the refrigera		
			Other	Normal		Check the Temp ar resistance (Table-		
	Check the <u>Brown to Brown.</u>			<tempe< th=""><th>ratu</th><th>ıre table-3&gt;</th><th></th></tempe<>	ratu	ıre table-3>		
				(1) To (2)		Result		
				23°F / -5°C	′ −5°C 38 kΩ			
				32°F / 0°C		<b>30</b> kΩ	}	
				41°F / 5°C		<b>24</b> kΩ		
				50°F / 10°C	)	19.5 kΩ		
	CE COMMUNICATION			59°F / 15°C		<b>16</b> kΩ		
	<con7></con7>	:	the t	sensor is d emperature example, 24	<b>)</b> .	mined by		



No	Checking flow			Result	& SVC Acti	ion	
1	Check for a loose connection.						
2	Check the Orange to Orange.						
			Res	sult	SVO	C Action	
		0 Ω		Short		e the sensor	
	d	OFF		Open		he refrigerator	
		Othe	r	Normal		ne Temp and ce (Table-3)	
	T T			<temper< th=""><th>ature table</th><th>·-3&gt;</th></temper<>	ature table	·-3>	
	Check the <u>Gray to Gray.</u>		(	1) To (2)		sult	
				s°F / -5°C	38	<b>3</b> kΩ	
	A PARTIES		32	2°F / 0°C	30	O kΩ	
			4	1°F / 5°C	24	<b>24</b> kΩ	
			50	o°F / 10°C	19.	.5 kΩ	
			59	°F / 15°C	16	<b>6</b> kΩ	
	<con7></con7>	the	ten	nperature	etermined k		



No	Checking flow	Result & SVC Action			
1	Check the <u>Door gasket.</u>	_			
		┪Ĺ	Part	Result	SVC Action
2	Check the <u>Defrost control part.</u>		Fuse-M	0 Ω	Go to the 3
	Santa Santa		i use-ivi	Other	Change Fuse-M
			Defrost	34~42 9	Go to the 3
	Defrost Defrost		Heater	Other	Change Fuse-M
	Heater ——Sensor		Defrost	22 kΩ <b>↑</b>	Go to the 3
	Fuse-M		Sensor	OFF	Replace product
3	Input Test 3 Mode. (Push the button 3 times)				-33°33° © ©
4	Check the Blue to Orange.				
			Re	sult	SVC Action
			112 ~	· 116 V	Go to the 5
			0 V Rep		Replace Main PCB
	<con3></con3>				
5	Release the test mode. push the button 1 times. (normal)			## (***********************************	
6	Check the <u>Blue to Orange.</u>				
			Re	sult	SVC Action
			C	V	Explain to customer
			112 ~	116 V	Replace Main PCB
<con3></con3>					

# 8-7 Defrost Heater Error (R dH)



No	Checking flow	Result & SVC Action			
1	Check the <u>Door gasket.</u>				
			Part	Result	t SVC Action
2	Check the <u>Defrost control part.</u>		Fuse-M	0 Ω	Go to the 3
			i use-ivi	Other	Change Fuse-M
			Defrost	34~42 9	☐ Go to the 3
	Defrost Defrost		Heater	Other	Change Fuse-M
	Heater Fuse-M	Defrost	<b>22</b> kΩ <b>↑</b>	Go to the 3	
		Sensor	OFF	Replace product	
4	Check the Blue to Yellow.	-93 93			
			Re	sult	SVC Action
			112 ~ 116 V		Go to the 5
	<con3></con3>	0 V Replace Main PCB			
5	Release the test mode. push the button 1 times. (normal)	,		- G	*** -35°
6	Check the Blue to Yellow.				
	<con3></con3>		0	Sult V 116 V	SVC Action  Explain to customer  Replace Main PCB

# 8-8 Refrigerator Fan Error (Er rF)



No	Checking flow	Result & SVC Action
1	Reset the unit and Input Test 1 Mode. (Push the button 1 time)	
2	Open the freezer door and Check the air flow.  * While an error code is being displayed, the fan dosen`t work	Status SVC Action No windy Go to 3 Windy Go to 4
4	Check the Fan motor voltage. (3) (2) (1)  CON6>	Point     Result     SVC Action       (1) ~ (2)     Below 12 V     Change the PCB       (1) ~ (3)     0 or 5 V     Change the motor

# 8-9 Freezer Fan Error (Er FF)



No	Checking flow	Result & SVC Action				
1	Reset the unit and Input Test 1 Mode. (Push the button 1 time)		(Ç) -88° 85			
2	Open the freezer door and Check the air flow.		Status	SVC Action		
	While an error code is being displayed,	100 10	No windy	Go to 3		
	the fan dosen`t work.		Windy	Go to 4		
3	Check the Fan motor.	Rotate fan using your hand. It feel sticky, change the motor. (cause of ice or rust inside of motor)				
4	Check the <u>Fan motor voltage.</u>					
				SVC Action		
				ange the PCB		
	(3)(2)(1) <con7></con7>	(1) ~ (3) 0 0	r 5 V Cha	ange the motor		



No	Checking flow	Result & SVC Action
1	Reset the unit and Input Test 1 Mode. (Push the button 1 time)	
2	Open the refrigerator door and Check the air flow.  * While an error code is being displayed, the fan dosen`t work.	Status SVC Action  No windy Go to the 3,4  Windy Go to the 5
3	Check the Connector (Frozen caused the PCB short)	
4	Check the <u>Fan motor voltage.</u>	Point Result SVC Action
	(3) (2) (1) <con7></con7>	(1) ~ (2) Below 9 V Change the PCB (1) ~ (3) 0 or 5 V Change the motor



No	Checking flow	Result & SVC Action			
1	Reset the unit and Input Test 1 Mode. (Push the button 1 time)				
2	Check the fan rotating.  * While an error code is being displayed, the fan dosen`t work.	Status SVC Action No windy Check motor Windy Go to the 4			
3	Check the Fan motor and surrounding.	Rotate fan using your hand. It feel sticky, change the motor.			
4	Check the Fan motor voltage.  (3) (2) (1) <con7></con7>	Point     Result     SVC Action       (1) ~ (2)     Below 10 V     Change the PCB       (1) ~ (3)     0 or 5 V     Change the motor			



No	Checking flow	Result & SVC Action
1	Check the loose connection.	
2	Check the Red to White/Red.	Result SVC Action
		12 V Go to the 3
	CON101 <display> <con101></con101></display>	Other Check the Hinge (loose connection) Change the Main PCB
3	Check the Orange to White/Red.	
,	• • • • • • • • • • • • • • • • • • •	Result SVC Action
	TO CODOD	0 or 5 V Change the Display PCB
	CON101	Other Go to the 4
	<display> <con101></con101></display>	
4	Check the White/Black to White/Red.	
4	Check the White/Black to White/Red.	Result SVC Action
		0 or 5 V Change the Main PCB
		Other Go to the 5
	<display> <con101></con101></display>	
5	Check the White/Red to Orange.	
		Result SVC Action
		0 or 5 V Change the Display PCB
		Other Go to the 6
	<con5></con5>	
6	Check the White/Red to White/Black.	
		Result SVC Action
		0 or 5 V Change the Main PCB
		Other Explain to customer
	<con5></con5>	

# 9. Troubleshooting Without Error Display

## 9-1 Cube mode doesn't work



No	Checking flow		Result & SVC	Action
1	Check the loose connection.			
2	Check the Black to White.	Lever s/w	Result	SVC Action
	(While pushing the lever S/W)	D. delta.	112 ~ 115 V	Go to the 3
		Pushing	Other	Change PCB
		Not	0 ~2 V	Go to the 3
		pushing	Other	Change PCB
	<con2></con2>			
3	Check the Black to White Red.	Lever s/w	Result	SVC Action
	(While pushing the lever S/W)	Level 5/W	9 ~ 12 V	Go to the 4
		Pushing	Other	Change PCB
		Not	0 ~2 V	Go to the 4
		pushing	Other	Change PCB
4	Check the resistance value.	Point	Result	SVC Action
		Polit	31.1 ~ 42.1 Ω	Explain
		(1) to (2)	Other	Replace Geared Motor
			9.9 ~ 12.1 Ω	Explain
		(3) to (4)	Other	Replace Geared Motor
	<ice maker=""></ice>			
	(1) (2) (3) (4) (4) <geared motor=""></geared>			

## 9-2 Crush mode doesn't work



No	Checking flow		Result & SVC	Action	
1	Check the loose connection.				
2	Check the Sky Blue to White.	Lever s/w	Result	SVC Action	
	(While pushing the lever S/W)		112 ~ 115 V	Go to the 3	
		Pushing	Other	Change PCB	
		Not	0 ~2 V	Go to the 3	
	CONTRACTOR OF THE PARTY OF THE	pushing	Other	Change PCB	
	<con2></con2>				
3	Check the Black to White Red.	Lever s/w	Result	SVC Action	
	(While pushing the lever S/W)		9 ~ 12 V	Go to the 4	
		Pushing	Other	Change PCB	
		Not	0 ~2 V	Go to the 4	
		pushing	Other	Change PCB	
	<con1></con1>				
4	Check the resistance value.	Point	Result	SVC Action	
		(1) to (2)	<b>31.1</b> ~ <b>42.1</b> Ω	Explain	
		(1) to (2)	Other	Replace Geared Motor	
			9.9 ~ 12.1 \( \Omega	Explain	
		(3) to (4)	Other	Replace Geared Motor	
	<ice maker=""></ice>				
	(1) (2) (3) (4) (4) <geared motor=""></geared>				

# 9-3 Water mode doesn't work



No	Checking flow		Result & SVC	Action
1	Check the loose connection.			
2	Check the <u>Brown to White.</u> (While pushing the lever S/W)	Lever s/w	Result	SVC Action
	(Writie pushing the level 3/W)	Duching	112 ~ 115 V	Go to the 3
		Pushing	Other	Change PCB
		Not	0 ~2 V	Go to the 3
		pushing	Other	Change PCB
2	<con2> Check the Purple to White.</con2>			21/2 4 ::
	(While pushing the lever S/W)	Lever s/w	Result	SVC Action
		Pushing	112 ~ 115 V	Go to the 4
			Other 0 ~2 V	Change PCB Go to the 4
		Not pushing	O ~2 V	Change PCB
	<con2></con2>		Other	Change FCB
3	Check the resistance value.	Point	Result	SVC Action
	(1) (2) (3) (4)	(4) . (2)	<b>360 ~ 420</b> Ω	Explain
		(1) to (2)	Other	Replace Water Valve
			<b>360 ~ 420</b> Ω	Explain
		(3) to (4)	Other	Replace Water Valve
	<pre></pre>			

## 9-4 Freezer room lamp doesn't work

No	Checking flow	Result & SVC Action				
1	Check the Freezer door switch.	If feel stick	ky, Change	e the door s/w.		
2	Check the door S/W resistance.	Status	Result	SVC Action Go to the 3		
		Normal Push	not Infinity	Change door S/W Go to the 3		
		S/W	Other	Change door S/W		
3	Check the Red/yellow to Pink.	Status	Result	SVC Action		
		Normal	12 V Other	Go to the 4 Change the PCB		
	<con7></con7>					
4	Check the Red to Black.	Status	Result	SVC Action		
	Carried Manual man		12 V	Go to the 5		
	6 9 9 5	Normal	Other	Change the LED Lamp		
5	Check the Black to White.	Status	Result	SVC Action		
	C TO THE PARTY AND THE PARTY A	Closed	0~2V	Explain to customer		
		Closed	Other	Change the Door S/W		
		Open	12 V	Explain to customer		
	100		Other	Change the LED Lamp		

## 9-5 Refrigerator room lamp doesn't work

No	Checking flow	Result & SVC Action			
1	Check the Refrigerator door switch.	If feel stick	xy, Change	e the door s/w.	
2	Check the door Switch resistance.	Status	Result	SVC Action	
			0Ω	Go to the 3	
		Normal	Other	Change door Switch	
		Push	Infinity	Go to the 3	
		S/W	Other	Change door Switch	
				3	
3	Check the Red/yellow to Pink.	Status	Result	SVC Action	
	Charles and the same of the sa	Normal	12 V	Go to the 4	
	TORNE BECOME		Other	Change the PCB	
	<con7></con7>				
4	Check the Red to Black.	Status	Result	SVC Action	
			12 V	Go to the 5	
		Normal	Other	Change the LED Lamp	
5	Check the Black to BLue.	Status	Result	SVC Action	
		Ola de la	0~2V	Explain to customer	
		Closed	Other	Change the Door Switch	
			12 V	Explain to customer	
		Open	Other	Change the LED Lamp	
				· .	

## 9-6 Poor cooling in Fresh food section

No	Checking flow	Res	ult & S	VC Action	
1	Check the sensor resistance.	Temperatu	Iro	Result	
		23°F / -5°		38 kΩ	
	77 (8.7)	32°F / 0°		<b>30</b> kΩ	
	SOUSCAS, MALE OF	41°F / 5°	-	<b>24</b> kΩ	
	<con7></con7>	50°F / 10°	°C	19.5 kΩ	
	※ The sensor is determined by	59°F / 15°	°C	<b>16</b> kΩ	
	the temperature.  For example, 30kΩ indicates 32°F.				
3	Reset the unit and Input Test 1 Mode. (Push the button 1 time)  Check if cold air blows from air vents with		enter (( <u>()</u> ))	-88° 88° 2 0	
	your hand.	Status		SVC Action Go to the 4	
		Windy No windy		k the R Fan motor leck the damper (Go to the 6)	
5	Check the air temperature. Cold or not ?	Status Cold	_	SVC Action  plain to customer  ck the Compressor	
		Not cold		d sealed system	

No	Checking flow		Result & SV	C Action
No 6	Check the R Fan motor voltage. (3) (2) (1) <con6></con6>	Point (1) ~ (2) (1) ~ (3)	Result & SVO Result Below 12 V 0 or 5 V	SVC Action Change the PCB Change the motor

## 9-7 Poor cooling in Freezer compratment

No	Checking flow	Res	ult & S	SVC Action	
2	Check the sensor resistance. <con7>  * The sensor is determined by the temperature. For example, 23kΩ indicates -4°F.  Reset the unit and</con7>	(1) To (2 -22°F / -3 -13°F / -2 -4°F / -2 5°F / -15 14°F / -1 23°F / -5 32°F / 0	80°C 25°C 0°C 5°C 0°C	Result         40 kΩ         30 kΩ         23 kΩ         17 kΩ         13 kΩ         10 kΩ         8 kΩ	
3	Input Test 1 Mode. (Push the button 1 time)  Check if cold air blows from air vents with your hand.	Status Windy No windy	Trial a final	SVC Action  Go to the 4 ck the F Fan motor	極極
4	Check the air temperature. Cold or not ?	Status Cold Not cold	Che	SVC Action plain to customer ck the Compressor d sealed system	

No	Checking flow		Result & SV	C Action
6	Check the Fan motor. Rotate fan using your hand. It feel sticky, change the motor. (cause of ice or rust inside of motor).	Point Motor	Result Sticky	SVC Action Change the motor
7	Check the Fan motor voltage.  (3)(2)(1) <con7></con7>	Point (1) ~ (2) (1) ~ (3)	Result Below 12 V 0 or 5 V	SVC Action Change the PCB Change the motor

# 10. Reference

### 10-1 TEST MODE and Removing TPA

1. How to make TEST MODE

If you push the test button on the Main PCB, the refrigerator will be enter the TEST MODE.



\* 1 time : Comp / Damper / All FAN on (All things displayed)



\* 2 times : Damper closed (22 22 displayed)



\* 3 times : Forced defrost mode (33 33 displayed)



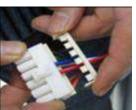
<DC TPA>

**Main PCB** 

<AC TPA>

2. How to remove Terminal Position Assurance (TPA)









\* After measure the values, you should put in the TPA again.

### 10-2 TEMPERATRUE CHART - FREEZER AND ICING SENSOR

TEMP	RESISTANCE	VOLTAGE
-39°F (-40°C)	<b>73.29</b> kΩ	4.09 V
-30°F (-35°C)	<b>53.63</b> kΩ	3.84 V
-21°F (-30°C)	<b>39.66</b> kΩ	3.55 V
-13°F (-25°C)	<b>29.62</b> kΩ	3.23 V
-4°F (-20°C)	<b>22.33</b> kΩ	2.89 V
5°F (-15°C)	16.99 kΩ	2.56 V
14°F (-10°C)	<b>13.05</b> kΩ	2.23 V
23°F (-5°C)	10.10 kΩ	1.92 V
32°F (0°C)	<b>7.88</b> kΩ	1.63 V
41°F (+5°C)	6.19 kΩ	1.38 V
50°F (+10°C)	<b>4.91</b> kΩ	1.16 V
59°F (+15°C)	3.91 kΩ	0.97 V
68°F (+20°C)	<b>3.14</b> kΩ	0.81 V
77°F (+25°C)	<b>2.54</b> kΩ	0.67 V
86°F (+30°C)	2.07 kΩ	0.56 V
95°F (+35°C)	1.69 kΩ	0.47 V
104°F (+40°C)	1.39 kΩ	0.39 V

### 10-3 TEMPERATRUE CHART - REFRIGERATOR AND DEFROST SENSOR

TEMP	RESISTANCE	VOLTAGE
-39°F (-40°C)	<b>225.1</b> kΩ	4.48 V
-30°F (-35°C)	<b>169.8</b> kΩ	4.33 V
-21°F (-30°C)	129.3 ㎏	4.16 V
-13°F (-25°C)	<b>99.30</b> kΩ	3.95 V
-4°F (-20°C)	76.96 kΩ	3.734 V
5°F (-15°C)	60.13 ㎏	3.487 V
14°F (-10°C)	47.34 ㎏	3.22 V
23°F (-5°C)	37.55 kΩ	2.95 V
32°F (0°C)	<b>30</b> kΩ	2.67 V
41°F (+5°C)	24.13 ㎏	2.40 V
50°F (+10°C)	19.53 ㎏	2.14 V
59°F (+15°C)	15.91 ㎏	1.89 V
68°F (+20°C)	13.03 ㎏	1.64 V
77°F (+25°C)	10.74 kΩ	1.45 V
86°F (+30°C)	8.89 kΩ	1.27 V
95°F (+35°C)	7.40 kΩ	1.10 V
104°F (+40°C)	6.20 kΩ	0.96 V

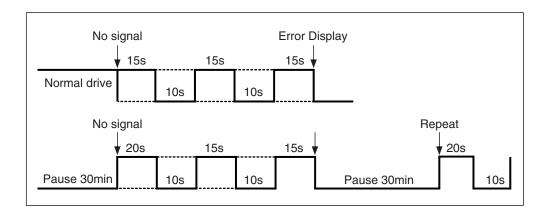
#### 10-4 How to check Fan-Error

(1) After sending a signal to a fan, MICOM checks BLDC fan motor s lock status. If there is no feedback signal from BLDC fan,

fan motor stops for 10 seconds and then operate for 15 seconds.

To determine there is a fan motor malfunction, this process is repeated 3 times. If the fan motor is determined to be defective, an error code will be shown in the display for 30 minutes.

At this point, the process will be repeated until the fan motor operates normally. If normal operation is achieved, the error display disappears and the MICOM is resets automatically.



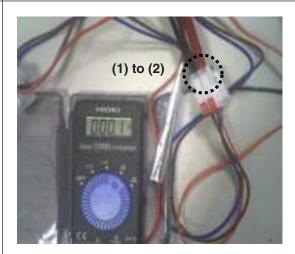
# 11. COMPONENT TESTING INFORMATION

#### 11-1 Defrost Controller Assembly

#### **Function**

- Controller assembly consists of Fuse-M and sensor. check the resistance of the parts to determine if parts are defective.
- Fuse-M can cut off the source when defrost heater operate the unusual high temperature temperature.
- Sensor gives temperature information to Micom

#### How to Measure (Fuse-M)



Set an ohmmeter pins to 2 housing pins. Measure the pins connected to Fuse-M. If the ohmmeter indicates below, 0.1ohm fuse-m is on a good condition. Infinitive resistance value implies Fuse-M is disconnected.

#### How to Measure (Sensor)



(1) to (2)

Set an ohmmeter to The 2 housing pins. Measure the pins connected to Sensor. th h t i di t ß/( t If the ohmmeter indicates 11at room temperature), sensor is not defective.

When check the ohm at other temperature Check the sensor manual.

#### Standard

#### Fuse-M (at all temperature)

Test Point	Ressult
(1) to (2)	0 ~ 0.1 <i>Ω</i>

#### Sensor (at room temperature)

Test Point	Ressult
(1) to (2)	<b>11</b> Ω

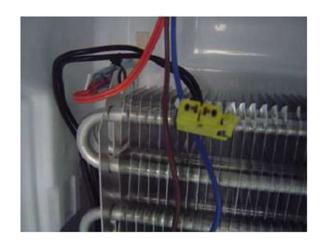
#### 11-2 Sheath Heater (Freezer Room)

#### **Function**

Sheath heater is the part for defrost. All heating wire is connected to only one line. So we can decide part is defective or not when we check the resistance.

#### How to Measure





Set a ohmmeter connect to The housing pins. Measure the pins connected to Sheath Heater. If the ohmmeter indicates (V°øV)/Watt=R is on a good condition, ex) watt=350W, voltage=115V R=(115°ø115)/350=38  $\varOmega$  Infinitive value implies sheath heater is disconnected.

#### Standard

#### Sheath heater (at all temperature)

Test Point	Ressult
(1) to (2)	41.8 ~ 46.2

### 11-2 Sheath Heater (Refrigerator Room)

# **Function** Sheath heater is the part for defrost. All heating wire is connected to only one line. So we can decide part is defective or not when we check the resistance.

#### How to Measure





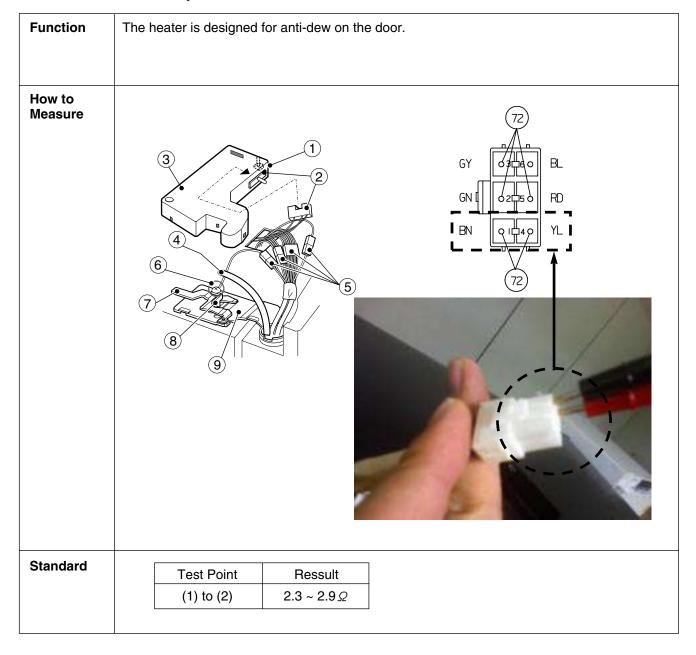
Set a ohmmeter connect to The housing pins. Measure the pins connected to Sheath Heater. If the ohmmeter indicates (V°øV)/Watt=R is on a good condition, ex) watt=350W, voltage=115V R=(115°ø115)/350=38  $\varOmega$  Infinitive value implies sheath heater is disconnected.

#### Standard

#### Sheath heater (at all temperature)

Test Point	Ressult
(1) to (2)	78.6 ~ 86.8

## 11-3 Door Heater Assembly



### 11-4 Door Switch

Function	The switch senses if the When the door is open when the door is open then function of refriger	en, lamp is on. en, the switch gi or closed, plung	ves information to M ger is pushed and p	
How to	<switch,< th=""><th>Freezer&gt;</th><th>&lt;</th><th>Switch, Refrigerator&gt;</th></switch,<>	Freezer>	<	Switch, Refrigerator>
Measure		3 4	Button (Plunger)	
	3	4	F000	2 1
	Веер		Веер	
	Check the resistance to check whether or not a resistance, it means the	applying an elec	tric current. If there	
Standard	Multi	meter beep – S	witch F,R	
	Nomal	Push the bu	utton(Plunger)	
	Beep or 0 Ω	None	? (∞ Ω)	

## 11-5 Dispenser DC Motor

Function	- Dispenser DC Motor: When customer pushes the dispenser button, It pulls duct door of dispenser internal and ice dispense from ice bank.
How to Measure	(2) Dispenser DC Motor
Standard	Dispenser DC Motor
	Test Points Result
	(1) to (2) 9.9 ~ 12.1 Ω

#### 11-6 AC Motor ASSEMBLY

# **Function** The In-door motor of AC motor assembly pushes ice cubes to the dispenser. How to < In-door Motor > < In-door Motor > Measure Take out the male Take out the male connector from connector from female connector female connector Measure the Measure the resistance between resistance between (1) and (2) (1) and (3) Check the resistance between connectors (In-door motor 1, 2) and (In-door motor 1, 3). It means that check electric current is flowing. If there is resistance, geared motor or solenoid is normal. **Standard Geared Motor Cube Solenoid Test Points Test Points** Result Result (1) to (2) $31.1 \sim 42.09 \Omega$ (1) to (3) **31.1** ~ **42.09** Ω

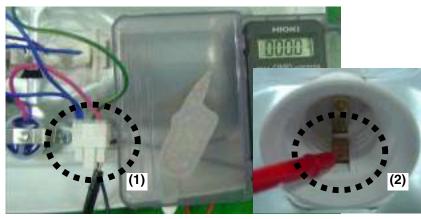
### 11-7 Damper

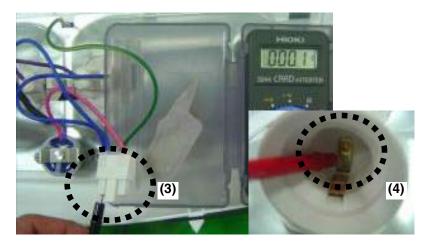
Function	The damper supplies the Chillroom gets colder was temperature will rise	ne cold air from free when damper plate	ezer roor is open.	n to chillroo When dam	om by u per pla	using ite is	the da	amper pla , chillroom
How to Measure		· Table(2): 2-2상 (CW Rotation)						
	Red o		Houst	ng No. &	Step			
			: <del>                                    </del>	e Color	1	2	3	4
	Yellow O-		I -	Blue (A)	+	-	-	+
	(B)	(0000)	i	Red (B)	+	+	-	-
			i 3- W	hite(A)	-	+	+	-
		Blue White	! 4- Y	ellow(B̄)	-	-	+	+
	L	(A) (Ā) 	<u> </u>					
		< Da	nper Ci	rcuit >				
	1 Blue	Red			(1) E	Blue		
	3 Yellow	White	Check the			3 White		
							ensio	
	Check the (2),(4)			Che	ck the	1	, ③	
	Check the resistance to the left there is resistance, or	ectric current is flov		I 2,4.				
0111	Damper							
Standard								
Standard	Test Points	Result		Test Po	ints		Res	sult

### 11-8 Lamp Socket

	Function	The lamp socket connect cover lamp assembly to lamp. The lamp socket fix lamp and unite lamp and cover lamp assembly. The lamp socket supply electric source to lamp also.
l	How to	

#### How to Measure





Check the resistance between connectors of housing and lamp socket. It means that check electric current is flowing. If there is resistance, lamp socket is normal.

#### Standard

Test Points	Result		
(1) to (2) and (3) to (4)	0 Ω		

### 11-9 Flow Sensor

Function	Flow Sensor (in machine room) measure the water quantity from city water to water filter in refrigerator				
How to Measure	YOKOGAWA  ILB  BELEGT A-HOLD 1999 GOUNT  7 = 11 = 1  Quit  GRY MAX  MISS PROBLEM OF BELEGY  MISS PROBLEM OF BELGY  MISS PROBLEM OF BELGY				

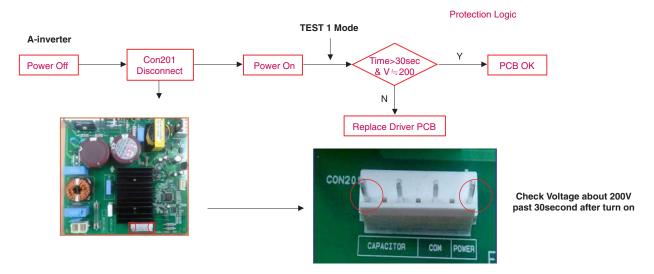
### Standard

Test Points	Result		
Red wire to Black wire	<b>4</b> ~ <b>30</b> Ω		

Flow Sensor (in machine room)

# 12. Compressor Troubleshooting

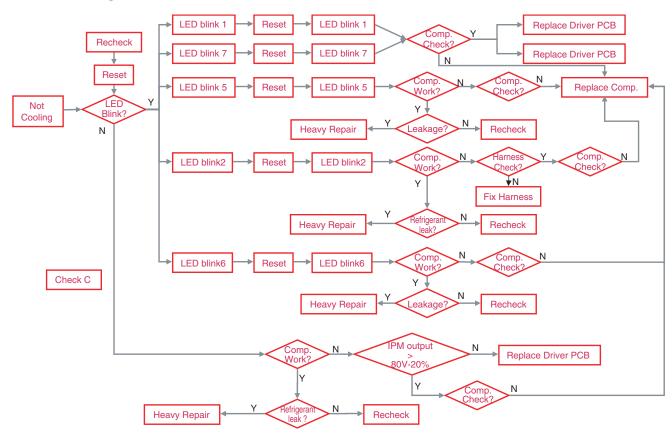
### PCB Check (Simplify)



#### **Test Mode**

ı		Ref.	Comp	Display & sound	Refer
	nei.	FC75(A-Inverter)	Display & Soulid	neiei	
	TEST1	Forced Starting	TDC (Full Stroke)	Display ON, Buzz 1 time	

#### **Troubleshooting**



#### 12-1 Check A

- There is PC Board located in the PCB case. The control driver is PC board for the compressor.
- This step shows the source voltage of the driver PC board.

Step1. Open PCB Cover

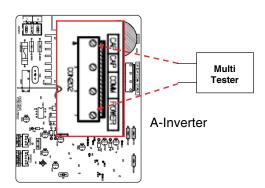
Step2. Check Driver PCB





#### **IPM Output check**

- Measure the voltage between the POWER and COMM pins of the connector as shown below.



#### Check to make sure compressor is receiving voltage from IPM

- In order to determine whether the compressor is operating normally, check the output voltage during the refrigeration cycle.
- After initial power-up, when the compressor begins to operate, wait 10 minutes before checking.
- The compressor is operating normally if the voltage is greater than 80V.

#### 12-2 Check B

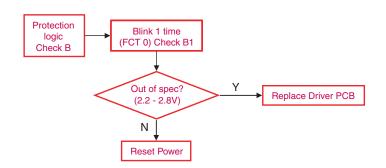
#### B1. LED blinks once, then repeats (FCT0 Fault: A-Inverter)

Blink OFF Blink OFF

- Purpose: Detecting motor current and voltage error
- Check voltage at **point A** (Motor Voltage), **point B** (Motor Current) and **Point C** (Capacitor Voltage) when **compressor is off**.
- Spec: Points A, B, & C 2.5V  $\pm$  0.3V

GND Voltage

**Protection Logic** 



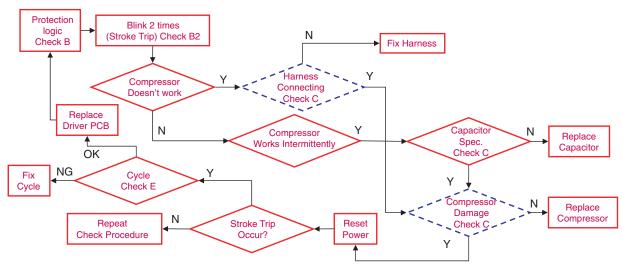


**Protection Logic** 

#### B2. LED blinks two times, then repeats (Stroke Trip: A & E Inverters)

Blink Blink OFF Blink Blink OFF

- Purpose: Prevent abnormally long piston strokes.
- Case 1. If compressor doesn't work and LED blinks Cause: Possibly harness from compressor to PCB might be defective.
- Case 2. If compressor works intermittently and LED blinks Cause: Condenser Fan or Freezer Fan is not running. Sealed system problem such as moisture restriction, restriction at capillary tube or refrigerant leak.
- Logic: Compressor is forced to off and then tries to restart after 1 minute.



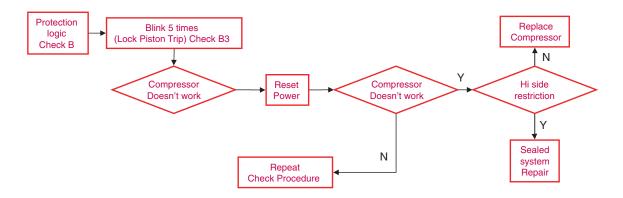
#### B3. LED blinks five times, then repeats (Locked Piston: A & E Inverters)

#### **Protection Logic**



Blink Blink Blink Blink OFF

- Purpose: To detect locked piston
- Cause: Lack of oil to the cylinder, cylinder or piston damaged and or restricted discharge.
   A Locked Piston can also be caused by foreign materials inside the compressor.
- Logic: Compressor is forced off and tries to restart within 2.5 minutes.

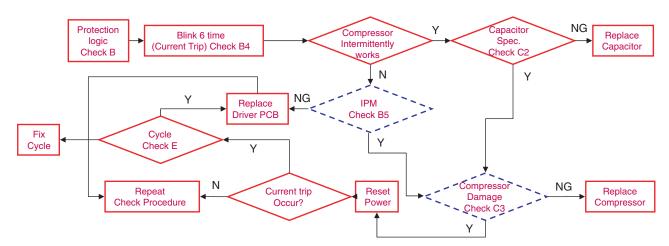


#### B4. LED blinks six times, then repeats (Current Trip: A & E-Inverters)

#### **Protection Logic**



- Purpose: Prevent over-current (overload protect)
- Cause: Ambient temperature is high (over 43°C) and/or refrigerator's condenser air movement is restricted.
- Condenser Fan is stopped, restricted discharge line, compressor is damaged, or IPM device is defective.
- Logic: Compressor is forced off and tries to restart after 6 minutes.



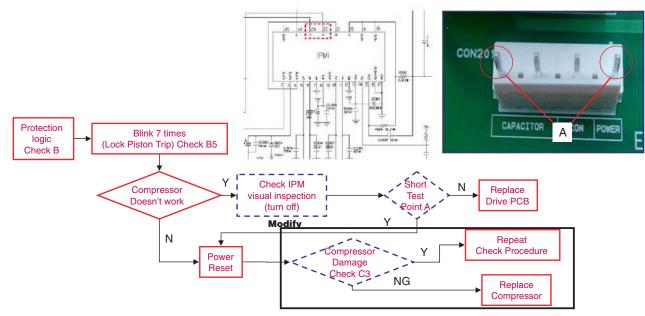
#### B5. LED blinks seven times, then repeats (IPM Fault: A & E Inverters)

Blink Blink Blink Blink Blink OFF

- Purpose: Prevent high current due to IPM Short
- Cause: Damaged IPM (Dead Short)
- Test for a dead short at Point A with a VOM.
- Logic: Compressor is forced off and tries to restart in 20 seconds.

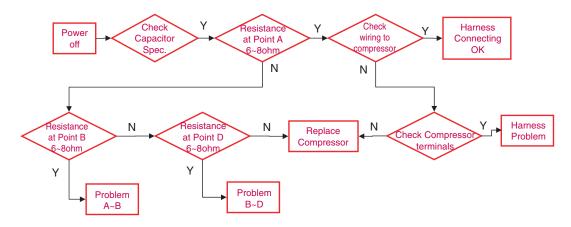
#### **Protection Logic**





#### 12-3 Check C

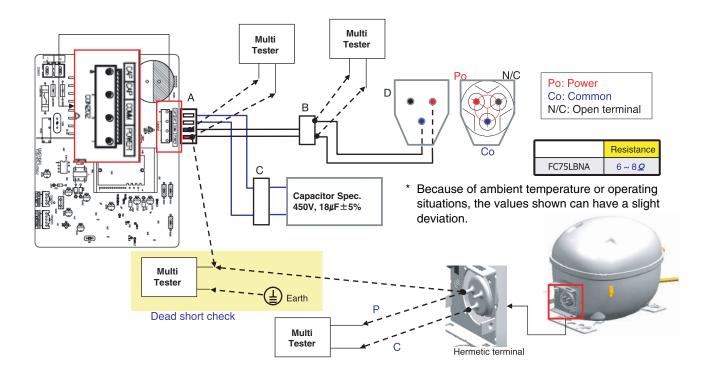
- C1. Harness Connection Check
- **C2. Capacitor Specifications**
- C3. Compressor Check
- Step 1. Power off. Step 2. Check capacitor spec. (table1). Step3. Check resistance of point A
   Step 4. Check wire harness (INF ohm). Step 5. Check resistance at point B. Step 6. Point D.



**Check Process** 

Caution: Turn off power during check C

- Measure the resistance at each point except point C
- Dead short check: measure the resistance between power line in compressor and earth ground in refrigerator (Inf. Ohm)

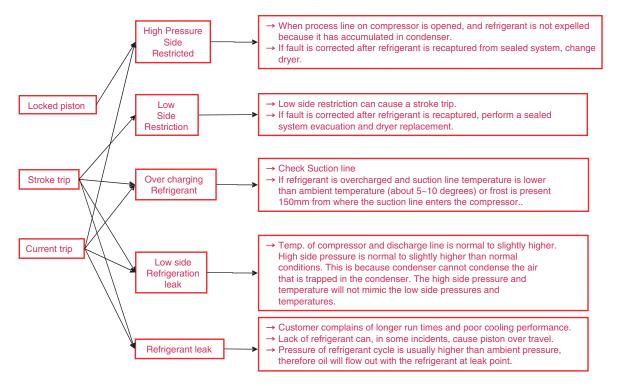


#### 12-4 Check D

#### **D1. Activate Protection logic**

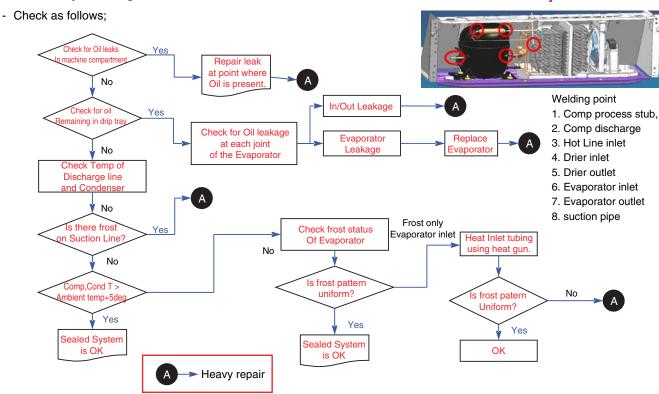
#### Cycle check with protection logic

- We have to check Condenser fan and Freezer fan before performing Check D
- Locked Piston, Current trip and stroke trip can be activated by other problems then the driver or compressor.



#### D2. sealed system diagnosis

#### Sealed system



#### **Compressor Troubleshooting**

#### **⚠ WARNING HIGH VOLTAGE**

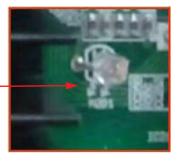
Step 1) Open PCB cover

Step 2) Check for blinking frequency of LED and PCB









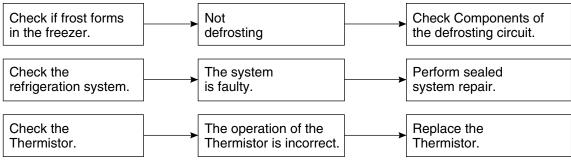
When compressor is normal, it does not blink : Refer to the next page to find out what actions to take according to how many times LED blink

No	LED operating condition	Cause	Service guideline
1	LED two - time repetiton (Stroke Trip)  ••• on - on - off - on - on - off - on - on	PCB Parts defect or Compress or Connector miss connecting (Piston over run)	1. Please check, Whether connector of compressor is attached rightly or not. after power off  2. After the first action, You check on normal operation of compressor.  3. If the same symptom arises after the second action, replace PCB
2	LED five - time repetiton (Piston Lock Trip)  •• on - on	Piston constraint	1. After resetting power, check if it is running normal 2. If the same symptom arises after the first action 3. If the same symptom arises after the second action, replace compressor
3	LED six - time repetiton (Current Trip)  •• on - on	current error	After resetting power, check if it is running normal     If the same symptom arises after the first action     If the same symptom arises after the second action, replace compressor
4	LED seven- time repetiton (IPM Fault Trip)  •• on - on	PCB parts defect (IPM)	After resetting power, check if it is running normal     If the same symptom arises after the first action, replace PCB

#### 12-5 SERVICE DIAGNOSIS CHART

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

#### • Other possible problems:



#### 12-6 REFRIGERATION CYCLE

#### **▼** Troubleshooting Chart

	CAUSE	STATE OF THE UNIT	STATE OF THE EVAPORATOR	TEMPERATURE OF THE COMPRESSOR	REMARKS
LEAKAG	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.	<ul> <li>Refrigerant level is low due to a leak.</li> <li>Normal cooling is possible by restoring the normal amount of refrigerant and repairing the leak.</li> </ul>
(AGE	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	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.	<ul> <li>Normal discharging of the refrigerant.</li> <li>The capillary tube is faulty.</li> </ul>
) BY DUST	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.
MOIS	STURE 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 than ambient temperature.	Low pressure at high side of compressor due to low refrigerant level.
ESSION	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.

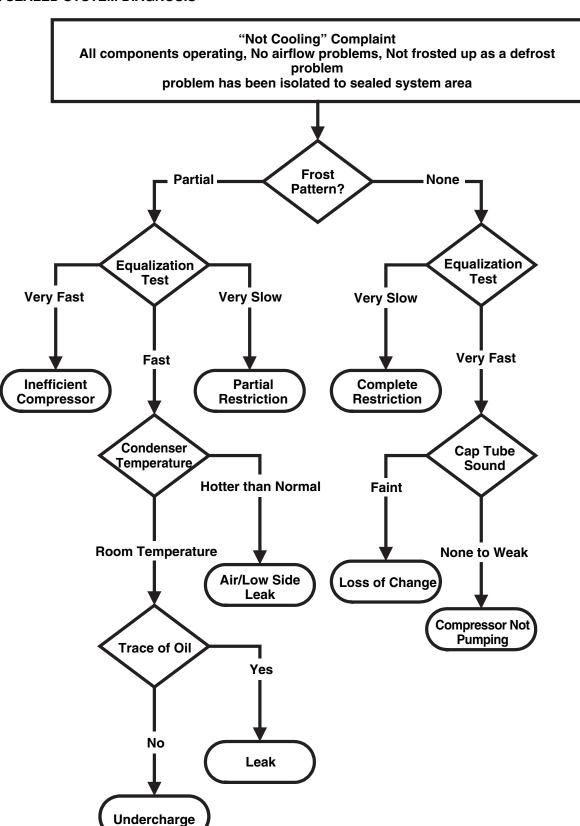
#### 12-6-1 Cleaning

There is no need for routine condenser cleaning in normal Home operating environments. If the environment is particularly greasy or dusty, or there is significant pet traffic in the home, the condenser should be cleaned every 2 to 3 months to ensure maximum efficiency.

If you need to clean the condenser:

- Remove the mechanical cover.
- Use a vacuum cleaner with a soft brush to clean the grille, the open areas behind the grille and the front surface area of the condenser.
- Replace the mechanical cover.

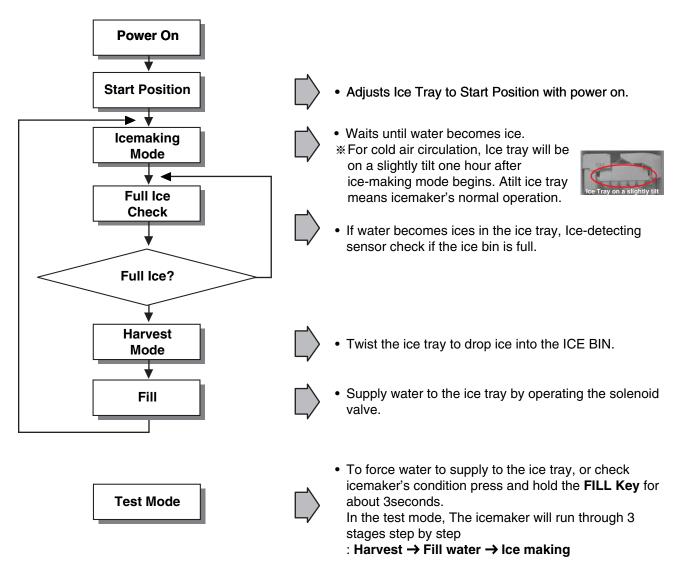
12-6-2 SEALED SYSTEM DIAGNOSIS



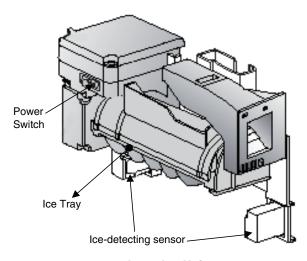
(The equalization test is trying to restart a compressor using a start kit after it has been operating.)

# 13. ICEMAKER OPERATING METHOD AND TROUBLE SHOOTING

#### 13-1 Icemaker's Basic Operating Method



To reset the icemaker's operation, set the power switch OFF position and back it to ON position.



**Icemaker Unit** 

#### 13-2 ICE MAKER FUNCTIONS

#### 13-2-1 Icemaking Mode

- 1. Icemaking Mode begins right after the ice tray fills with water.
- 2. Icemaker waits until water becomes ice in the ice tray.
- \* Ice-detecting sensor checks if the ice bin is full every 2min.

#### 13-2-2 Harvest Mode

At least in 110min, since icemaker begun icemaking mode, Icemaker starts to twist the ice tray to drop ices into the Ice bin. (After installation, at least 1day is needed to make ices)

If the icemaker never drop ices to the ice bin though water becomes ices in the ice tray, check the real temperature of compartment. (not temperature on display)
Icemaker needs below 0°F to drop ices to ice bin.

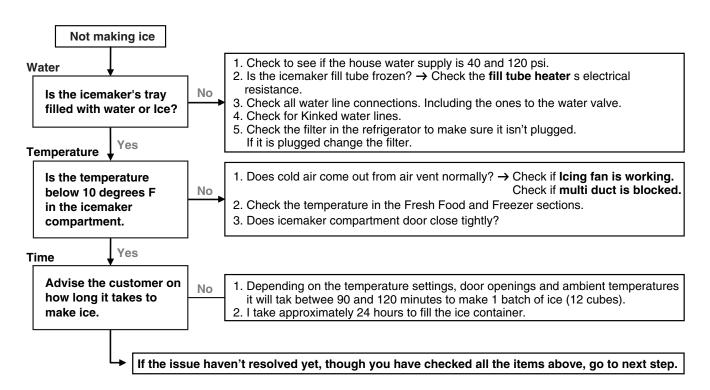
#### 13-2-3 Fill/Park Position

Once the normal harvest mode has been completed, the water solenoid will be activated.

#### 13-3 Trouble Shooting Ice & Water system Issues

#### 13-3-1 Icemaker not making ice or not making enough ice (Environmental Diagnosis)

- ▶ Icemaker can't make ices itself. Basically, water, temperature and time are needed.
  - Water: If no Water, then no Ice.
  - Temperature : The compartment, where the icemaker is located, has to be at least 1°F so that icemaker dumps ices to the bin.
  - Time: At least 80 minutes must be passed to make one series of ices after water comes into icemaker.
  - \* Test Mode should not be carried out before checking below.

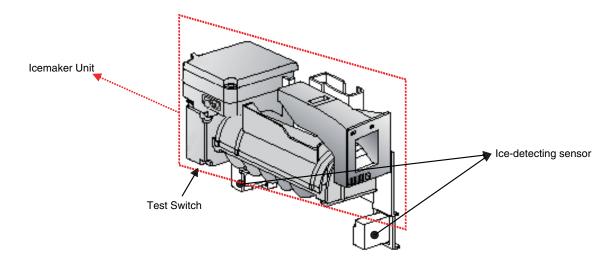


# 13-3-2 Icemaker not making ice or not making enough ice (Icemaker Unit & Ice-detecting sensor Diagnosis)

#### ▶ Icemaker Unit and Ice-detecting sensor Diagnosis

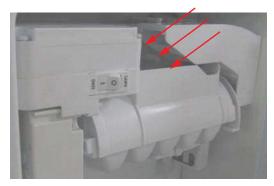
The icemaker unit and Ice-detecting sensor is programmed to be diagnosed.

Follow the procedure step by step to check to see if icemaker and Ice-detecting sensor is working normally.



#### 1stSTEP (Icemaker Unit Diagnosis)

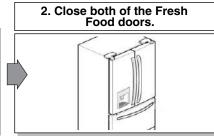
Press the test switch (located on the bottom of the icemaker head) for about 3 seconds. The icemaker tray should turn to the twisting position and return to the flat position, the fills with water.



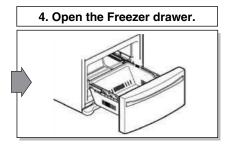
**A CAUTION:** Be sure that the ice tray is not filled with water before pressing fill key.

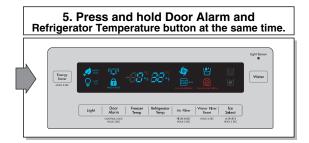
#### 2stSTEP (Ice-detecting sensor Diagnosis)

# 1. Remove Ice bin from compartment









If "EMPTY" is shown on the display after the procedure above, Ice-detecting sensor is normal.

If "FULL" is shown on the display after the procedure above, Ice-detecting sensor is abnormal.

#### 13-3-3 Icemaker not making ice or not making enough ice (Other Suspected Items)

Strongly suspect items below If the issue remains yet, though all the diagnosis for icemaker has been carried out.

- Cap duct bad sealing
- Defective thermal sensor in the icemaker compartment
- Not cold icemaker compartment area (sealed system)

#### 13-3-4 Not Dispensing Ice

- ► Clogged Ice In the Ice Bin (suspected items)
  - Customer haven't used ice dispenser over a week.
    - → Resolution: the ices gets stuck if customer doesn't use ice dispenser.
      In this case, empty the ice bin and wait until the new ices are stacked in the ice bin.
  - Temperature of icemaker compartment is not cold enough.
  - → **Resolution**: Check ice fan, sealed system, cap duct, vent and other items related to temperature.
  - Cap duct doesn't seal the air properly.
  - → Resolution : Possibly, warm air could get into the compartment and make ices get stuck. Replace the cap duct with new one.
  - In-door geared motor doesn't work
  - → **Resolution**: Change the in-door geared motor and test it.
  - The water comes out of fill cup and the water get into the ice bin.
  - → Resolution : The water pressure from shutoff valve is too high.
    Recommend to use regulator to the customer and close the shutoff valve slightly.
- ► Clogged Ices In the Chute (suspected items)
  - Cap duct doesn't seal the air properly.
  - → Resolution : Possibly, warm air could get into the compartment and make ices get stuck. Replace the cap duct with new one.

# 14. DESCRIPTION OF FUNCTION & CIRCUIT OF MICOM

#### 14-1 FUNCTION

#### 14-1-1 Function

When the appliance is plugged in, default set values are 37°F for Refrigerator and 0°F for freezer.

You can adjust Refrigerator and Freezer control temperature by pressing ADJUST button on display

- 1. When the power is initially applied or restored after a power failure, it is set to Control temperature Previously.
- 2. If you do not press any button after turning on the power, only the water, Ice type, lock Icon that has been selected will be turned on and all other LEDs on the Dispenser Panel will be turned off Within 60 seconds. (Power Save Mode)
- 3. If you press a button, only the water, Ice type, lock Icon that has been selected will be turned on and all other LEDs on the Dispenser Panel will be turned off Within 20 seconds. (Power Save Mode)



#### 14-1-2 How to Toggle the Display between °F & °C

1. The initial setting is °F and the display temperature mode can be converted °F to °C or °C to °F by pressing and holding Freezer Temperature Button and Refrigerator Temperature Button at the same time for over 5 seconds.

#### 14-1-3 Alarm/Lock function (dispenser and display button lock)

- 1. When refrigerator is firstly turned on, the buttons are not locked. "LOCK" is deactivated with light off.
- To lock the display, the dispenser, and the control panel, press and hold the LOCK button for 3 seconds. "LOCK" is activated with light on.
- The LOCK button is the only control feature that remains active in the locked state. The buzzer sound, other control buttons, and the dispenser are deactivated.
- 4. To release from the locked state, press and hold the LOCK button again for 3 seconds.
- If you don't hold the Alarm/Lock button more than 3 seconds, Alarm function will be changed and alarm for opened door will be on/off same as alarm icon indicating.



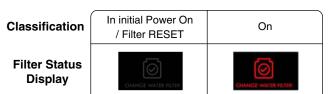
Ex) In selecting "LOCK"

Ex) In selecting "LOCK" again

#### 14-1-4 Water Filter condition display function

- There is a replacement indicator light for the water filter cartridge.
- Water filter needs replacement every six months for using water filter.
- 3. When the Water Filter Icon lights on, you must exchange the filter.
- After replacing the filter, press and hold the water filter reset button for 3 seconds .

After then water Filter icon turn off with reset status



#### 14-1-5 Air Filter condition display function

- There is a replacement indicator light for the air fresh filter cartridge.
- 2. Fresh Air filter needs replacement once every 6 months.
- When the Air Filter Icon lights on, you must replace the filter.
- 4. After replacing the filter, press and hold the Air filter button for more than 3 seconds.

After then Air Filter icon turns off with reset status.

#### Classification

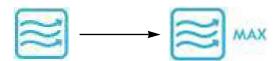
Filter Status Display

In initial Power On / Filter RESET	On
CHANGE AIR FILTER	CHANGE AIR FILTER

#### 14-1-6 Air Filter selection

Please select this function for Air Filter.

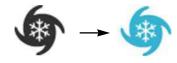
- when you press the Air Filter Button, the Air Filter "MAX" Will be turned on again.
- Air Filter MAX function automatically turns off after a fixed time passes.



#### 14-1-7 Ultra Ice selection

Please select this function for quick freezing.

- When you press the Ultra Ice Button, the Ultra ICE ICON will be turned on again.
- Ultra Ice function automatically turns off after a fixed time passes.



#### 14-1-8 Dispenser use selection

You can select water or ice.

- When you press the Water Button, the Water Icon will be selected.
- When you press the Ice button, the Cube/Crush ICON will be selected in order.
- Hold your cup in the dispenser for a few seconds after dispensing ice or water to allow the last pieces of ice or drops of water to fall into the cup.
- When after initially establ ishing the water comes out, the water tank inside fills and until at the time of quality the hour is caught.



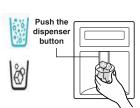
CHANGE WATER FILTER







0



- 85 -

#### 14-1-9 DISPENSER LIGHT

- Whenever LIGHT button is pressed, DISPLAY changes as belows.



- ① Normal status: Blue Ambient Mood Light is off.
- ② AUTO status: Detecting the lighting of room by Light Sensor, Blue Ambient Mood Light is on and off automatically.
- ③ ON status: Blue Ambient Mood Light is on continuously.
- ④ For all status: When dispenser is operated, DISPENSER LIGHT is on.

#### 14-1-10 CONTROL OF FREEZER FAN MOTOR

- 1. Freezer fan motor has high and standard speed.
- 2. When refrigerator is overloaded, fan motor runs in high speed as powered-up Standard speeds is used for general purposes.
- 3. To improve cooling speed, the RPM of freezer fan motor changs from normal speed to high.

#### 14-1-11 Cooling Fan Motor

- 1. The cooling fan is switched ON and OFF in conjunction with the compressor.
- 2. The cooling fan Motor has high and standard speeds. (When room temper rapture more high then 38°C speed is high)
- 3. The Failure sensing method is the same as in the fan motor of the freezing fan motor(refer to failure diagnosis function table for failure display).

#### 14-1-12 Ice Compartment Fan

- 1. The lcing Fan is controlled by the the sensor on the top of the ice compartment.
- 2. The Failure sensing method is the same as in the fan motor of the freezer (refer to failure diagnosis function table for failure display)

#### 14-1-13 Refrigeration room Fan Motor

- 1. The refrigeration room fan is switched ON and OFF in conjunction with the refrigeration room temperature.
- 2. The Failure sensing method is the same as in the fan motor of the freezing fan motor (refer to failure diagnosis function table for failure display).

#### 14-1-14 Ultra ICE

- 1. The purpose of this function is to intensify the cooling speed of increase the amount of ice.
- 2. Whenever selection switch is pressed, selection/release, the Icon will turn ON or OFF.
- 3. If there is a power outage and the refrigerator is powered on again, Ultra ICE will be canceled.
- 4. To activate this function, press the Ultra ICE key and the Icon will turn ON. This function will remain activated for 24 hrs.
- (1) Control temperature of freezer room is to set -2°F notch temperature.
- (2) If ice bin is full of ice, no change logic of ice compartment fan.
- (3) If function is activitied and de-ice status to be, ice compartment fan is operated by force.
- Upper RT 18 °C, standard RPM
- Below RT 18 °C, operate low speed RPM

#### 14-1-15 How to set the display mode and cancel it

- 1. With the refrigerator door open, keep pressing the Refrigerator Temp Button and ULTRA ICE Button more than 5 seconds, then it goes to the display mode with Special Beep Sound.
- 2. Perform the same way again to cancel the display mode.
- 3. All freezing units do not work at the display mode.

#### 14-1-16 Energy Saver

- 1. If you want additional power save, you can turn on energy saver (some heater off for anti-dew).
- To turn on or off the energy saver function, press Energy Saver Button for more than 3 seconds.
- 3. We recommend using energy saver function when you go out for quite a long time and are out of the rainy season.



Artiqulating mullion Heater off



Artiqulating mullion Heater on

#### 14-1-17 Defrosting (removing frost)

- 1. Defrosting starts each time the COMPRESSOR running time Betwee 3~58 hours.
- 2. Defrosting stops if the sensor temperature reaches 5°C or more. If the sensor doesn't reach 5°C during fifty minites in refrigerator room and eighty minites in freezer room the deforst mode is malfunctioning. (Refer to the defect diagnosis function, 8-1-15.)
- 3. Defrosting won't function if its sensor is defective (wires are cut or short circuited)

#### 14-1-18 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.



\* LED check function: If simultaneously pressing Ultra Ice button and freezing temperature adjustment button for a second, display LED graphics on. If releasing the button, the LED graphic displays the previous status.

You can check the error code Within 3-hour Period from initial error

#### 14-1-19 Auto pantry

- 1. The temperature control will automatically start upon the selected Auto Pantry temperature control.
- 2. You can adjust the Pantry control with three different temperature ranges by pressing the activate button.



REPAIR **PARTS** LIST

MODELS No.

795.72063.01\*

The model number of your refrigerator is found on the serial plate inside.

All repair parts listed are available for immediate purchase or special order when you visit your nearest Sears Service Center, or the Service Department at most Sears stores. To order parts by phone, call the toll free parts number listed to the left.

When requesting service or ordering parts, always provide the following information:

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For Service:

1-800-4-MY-HOME (1-800-469-4663)

Product Type

Part Number

Model Number

Part Description

Last Revision: MAR. 15. 2010

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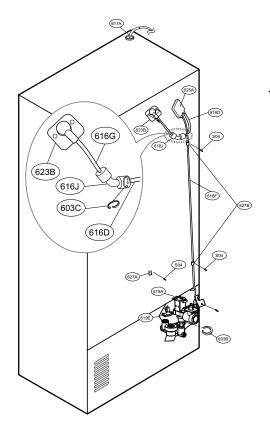
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# **VALVE & WATER TUBE PARTS**



Loc NO.	72063 (ST)	72063 (WB)	72063 (SW)	Desc	
603B	4930JA3091A	4930JA3091A	4930JA3091A	Holder,Bracket	•
603C	4004JA3002A	4004JA3002A	4004JA3002A	Clip	
616D	MJU39256416	MJU39256416	MJU39256416	Tube,Plastic	
616F	MJU62070601	MJU62070601	MJU62070601	Tube,Plastic	
616G	AJR56656503	AJR56656503	AJR56656503	Tube Assembly,Ice Water	
616J	4932JA3009A	4932JA3009A	4932JA3009A	Connector, Tube	
617A	4970JA3004N	4970JA3004N	4970JA3004N	Spring	
619A	AJU72992603	AJU72992603	AJU72992603	Valve Assembly,Water	
619E	EAD61548201	EAD61548201	EAD61548201	Harness Assembly	
623B	5006JJ2009A	5006JJ2009A	5006JJ2009A	Cap,Cover	
625A	3550JA2184B	3550JA2184B	3550JA2184B	Cover, Tube	
627A	4930JA3054A	4930JA3054A	4930JA3054A	Holder,Pipe	
627B	MEG42758601	MEG42758601	MEG42758601	Holder,Pipe	

# **CASE PARTS** CAUTION: Use the part number to order part, not the position number. (503E) 603E (S11) 271B 610F 103B (501F) (S02) (610D) (120A) (405J) (405K) 271D **S14** Fresh Food Compartment (B02) 262H (400A) Freezer Compartment 249D (401A) (306A) 303C (310B) (315A)

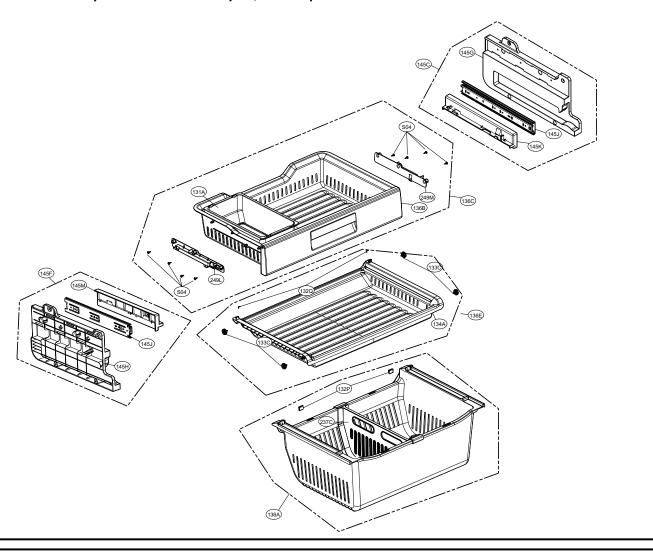
# **CASE PARTS**

Loc NO.	72063 (ST)	72063 (WB)	72063 (SW)	Desc
103A	3650JA2061X	3650JA2113N	3650JA2061B	Handle,Rear
103B	3650JA2061W	3650JA2113P	3650JA2061A	Handle,Rear
05A	5251JA3003E	5251JA3003E	5251JA3003E	Tube Assembly,Drain
05D	5070JA3002S	5070JA3002S	5070JA3002S	Skirt,Lower
106A	AFC72909201	AFC72909201	AFC72909201	Leg Assembly, Adjust
20A	ADJ73252202	ADJ73252202	ADJ73252202	Duct Assembly,Multi
145A	MEG62685901	MEG62685901	MEG62685901	Holder,Shelf
145B	MEG62685801	MEG62685801	MEG62685801	Holder,Shelf
158A	MCK66544101	MCK66544101	MCK66544101	Cover,Lamp
207A	MCK66843102	MCK66843104	MCK66843106	Cover,Hinge
207B	MCK66843101	MCK66843103	MCK66843105	Cover,Hinge
49C	MEG62704802	MEG62704802	MEG62704802	Holder,Rail
49D	MEG62704801	MEG62704801	MEG62704801	Holder,Rail
.62B	AEH73816902	AEH73816906	AEH73816902	Hinge Assembly, Center
62H	AEH73816904	AEH73816908	AEH73816904	Hinge Assembly,Center
.71B	AEH60614106	AEH60614106	AEH60614106	Hinge Assembly,Upper
.71D	AEH60614101	AEH60614101	AEH60614101	Hinge Assembly,Upper
282G	MBL65039901	MBL65039901	MBL65039901	Cap,Duct
800A	TCA35271201	TCA35271201	TCA35271201	Compressor,Set Assembly
301A	ACG72915206	ACG72915206	ACG72915206	Condenser Assembly,Wire
802B	ADL73341301	ADL73341301	ADL73341301	Evaporator Assembly
802C	ADL73341401	ADL73341401	ADL73341401	Evaporator Assembly
803A	EBG60663207	EBG60663207	EBG60663207	Thermistor Assembly,PTC
803C	6750CL0001D	6750CL0001D	6750CL0001D	Overload Protect
804A	3550JA2110B	3550JA2110B	3550JA2110B	Cover,PTC
806A	MCQ66921101	MCQ66921101	MCQ66921101	Damper Assembly,Seat
808B	MEA42772904	MEA42772904	MEA42772904	Guide,Fan
310B	4J00977P	4J00977P	4J00977P	Pipe,Compressor Sealing
312C	3391JJ2013J	3391JJ2013J	3391JJ2013J	Tray Assembly,Drain
312D	3391JJ2013H	3391JJ2013H	3391JJ2013H	Tray Assembly,Drain
7120	009100201011	309100201011	309100201011	rray Assembly, Drain
313A	ACQ37031410	ACQ37031410	ACQ37031410	Cover Assembly, Machinery (Rear)
314A	4620JA3015A	4620JA3015A	4620JA3015A	Stopper,Compressor
815A	AAN37031304	AAN37031304	AAN37031304	Base Assembly,Compressor
315B	4580JJ3001A	4580JJ3001A	4580JJ3001A	Roller
315C	1PZZJA3013B	1PZZJA3013B	1PZZJA3013B	Pin,Common
317A	5851JA2008W	5851JA2008W	5851JA2008W	Drier Assembly
318A	4930JA3034A	4930JA3034A	4930JA3034A	Holder,Drier
327B	5040JA3063B	5040JA3063B	5040JA3063B	Damper
329A	5901JA1021A	5901JA1021A	5901JA1021A	Fan Assembly
332C	AEB72913911	AEB72913911	AEB72913911	Grille Assembly,Fan
-00A	6615JB2005S	6615JB2005S	6615JB2005S	Controller Assembly
101A	6615JB2005R	6615JB2005R	6615JB2005R	Controller Assembly
102A	6600JB3007K	6600JB3007J	6600JB3007L	Switch,Push Button
103B	EAU61505101	EAU61505101	EAU61505101	Motor,DC
104A	EAU60694510	EAU60694510	EAU60694510	Motor,DC
104C	EAU36179305	EAU36179305	EAU36179305	Motor,DC
105B	MAZ61845401	MAZ61845401	MAZ61845401	Bracket, Motor

# **CASE PARTS**

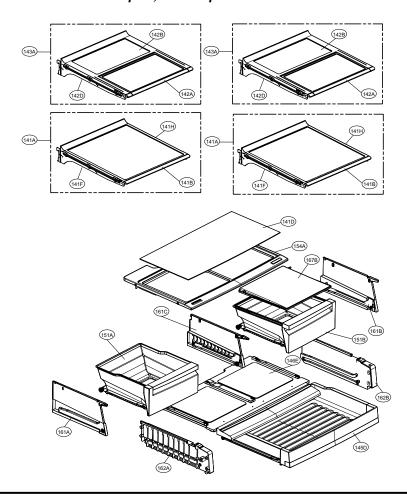
Loc NO.	72063 (ST)	72063 (WB)	72063 (SW)	Desc
405C	5040JA2009B	5040JA2009B	5040JA2009B	Damper,Motor Support
405E	MHN62142202	MHN62142202	MHN62142202	Shroud,Refrigerator
405F	5040JA2004B	5040JA2004B	5040JA2004B	Damper,Motor Support
405G	MAZ62266201	MAZ62266201	MAZ62266201	Bracket, Motor
405H	MCK61880502	MCK61880502	MCK61880502	Cover, Motor
405I	MCK61881401	MCK61881401	MCK61881401	Cover,Lamp
405J	MCK66584301	MCK66584301	MCK66584301	Cover,Lamp
405K	MCK66584302	MCK66584302	MCK66584302	Cover,Lamp
405L	MAZ63010801	MAZ63010801	MAZ63010801	Bracket, Motor
406B	6600JB1010K	6600JB1010K	6600JB1010K	Switch,Push Button
406D	MEG61899901	MEG61899901	MEG61899901	Holder,Door
107A	ABA72913408	ABA72913408	ABA72913408	Bracket Assembly, Motor
108A	MEE62225101	MEE62225101	MEE62225101	Heater, Sheath
108B	MEE62105201	MEE62105201	MEE62105201	Heater,Sheath
409D	EAV48995118	EAV48995118	EAV48995118	LED Assembly
409F	EAV48995113	EAV48995113	EAV48995113	LED Assembly
109H	EAV61572001	EAV61572001	EAV61572001	LED Assembly
10G	EAE58905704	EAE58905704	EAE58905704	Capacitor, Electric Appliance
l10J	0CZZJB2014K	0CZZJB2014K	0CZZJB2014K	Capacitor, Electric Appliance Film, Bo
111A	EAD61445206	EAD61445206	EAD61445206	Power Cord Assembly
500A	EBR73093611	EBR73093611	EBR73093611	PCB Assembly,Main
500P	EBR64730403	EBR64730403	EBR64730403	PCB Assembly,Sub
501F	3551JA2144M	3551JA2144M	3551JA2144M	Cover Assembly,PCB
503D	MBN62347601	MBN62347601	MBN62347601	Case,Lamp
503E	ACQ85449502	ACQ85449502	ACQ85449502	Cover Assembly,Lamp
603C	4004JA3002A	4004JA3002A	4004JA3002A	Clip
603E	4004JA3003A	4004JA3003A	4004JA3003A	Clip
610B	AEB73725601	AEB73725601	AEB73725601	Grille Assembly,Fan
610C	ACQ73244001	ACQ73244001	ACQ73244001	Cover Assembly, Sensor
610D	6500JB2001B	6500JB2001B	6500JB2001B	Sensor
610F	EBR71326801	EBR71326801	EBR71326801	PCB Assembly,Sensor
619D	AJU34510512	AJU34510512	AJU34510512	Valve Assembly,Pipe
624C	MCK66849401	MCK66849401	MCK66849401	Cover,Filter
624E	ABN73019101	ABN73019101	ABN73019101	Cap Assembly,Head
624G	MDJ62165101	MDJ62165101	MDJ62165101	Filter, Head
626A	MCK66584901	MCK66584901	MCK66584901	Cover, Filter
628A	MCK66592001	MCK66592001	MCK66592001	Cover,LED
631A	ACW73717302	ACW73717302	ACW73717302	Decor,Cover
631C	ADQ73214404	ADQ73214404	ADQ73214404	Filter Assembly, Air Cleaner

# **FREEZER PARTS**



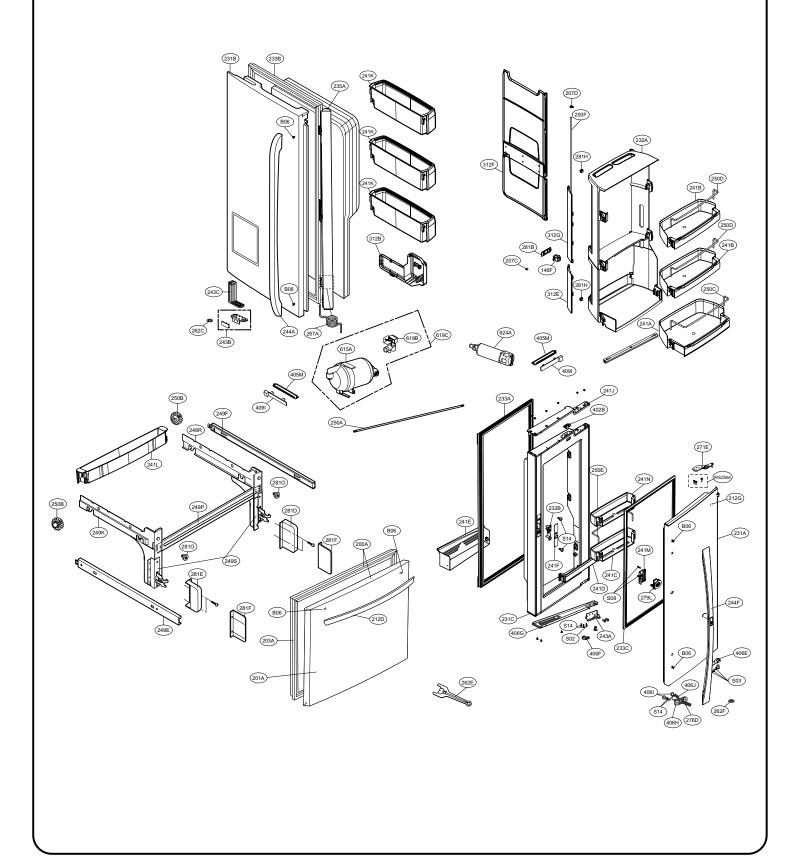
Loc NO.	72063 (ST)	72063 (WB)	72063 (SW)	Desc
131A	MJS42270802	MJS42270802	MJS42270802	Tray,Freezer
132P	MBL62065801	MBL62065801	MBL62065801	Cap,Rubber
132Q	MJB62650401	MJB62650401	MJB62650401	Stopper,Door
133C	AHJ73070401	AHJ73070401	AHJ73070401	Roller Assembly
134A	MJS62232901	MJS62232901	MJS62232901	Tray,Drawer
136A	AJP72909903	AJP72909903	AJP72909903	Tray Assembly, Drawer
136B	AJP73334702	AJP73334702	AJP73334702	Tray Assembly, Drawer
136C	AJP73334602	AJP73334602	AJP73334602	Tray Assembly, Drawer
136E	AJP73334501	AJP73334501	AJP73334501	Tray Assembly, Drawer
145C	AEC73337402	AEC73337402	AEC73337402	Guide Assembly,Rail
145F	AEC73337401	AEC73337401	AEC73337401	Guide Assembly,Rail
145G	MEG62704702	MEG62704702	MEG62704702	Holder,Rail
145H	MEG62704701	MEG62704701	MEG62704701	Holder,Rail
145J	MGT61844301	MGT61844301	MGT61844301	Rail.Slide
145K	4932JA1010B	4932JA1010B	4932JA1010B	Connector,Rail
145M	4932JA1010A	4932JA1010A	4932JA1010A	Connector,Rail
237C	MEA62573201	MEA62573201	MEA62573201	Guide,Drawer
249L	MEG62762301	MEG62762301	MEG62762301	Holder,Rail
249M	MEG62762302	MEG62762302	MEG62762302	Holder,Rail
S04	1SBZJA3004G	1SBZJA3004G	1SBZJA3004G	Screw,Customized
CAUTION:	Use the part number t	o order part, not the p	osition number.	

# **REFRIGERATOR PARTS**



.oc NO.	72063 (ST)	72063 (WB)	72063 (SW)	Desc
141A	AHT73233902	AHT73233902	AHT73233902	Shelf Assembly,Refrigerator
141B	AHT73253802	AHT73253802	AHT73253802	Shelf Assembly, Refrigerator
141D	MHL42613226	MHL42613226	MHL42613226	Shelf,Glass
141F	MHL62412601	MHL62412601	MHL62412601	Shelf,Net
141H	MHL62412602	MHL62412602	MHL62412602	Shelf,Net
142A	AHT73234102	AHT73234102	AHT73234102	Shelf Assembly,Refrigerator
142B	AHT73234202	AHT73234202	AHT73234202	Shelf Assembly,Refrigerator
142D	5027JJ2012Z	5027JJ2012Z	5027JJ2012Z	Shelf Assembly,Net
143A	AHT73234002	AHT73234002	AHT73234002	Shelf Assembly,Refrigerator
145D	AJP73314402	AJP73314402	AJP73314402	Tray Assembly,Fresh Room
146E	ACQ85448402	ACQ85448402	ACQ85448402	Cover Assembly,Tray
151A	AJP73374601	AJP73374601	AJP73374601	Tray Assembly, Vegetable
151B	AJP73374602	AJP73374602	AJP73374602	Tray Assembly, Vegetable
154A	ACQ85428602	ACQ85428602	ACQ85428602	Cover Assembly,TV
161A	AEC73317601	AEC73317601	AEC73317601	Guide Assembly,TV
161B	AEC73317602	AEC73317602	AEC73317602	Guide Assembly,TV
161C	AEC73317501	AEC73317501	AEC73317501	Guide Assembly,Rail
162A	AEC73317703	AEC73317703	AEC73317703	Guide Assembly,Rail
162B	AEC73317704	AEC73317704	AEC73317704	Guide Assembly,Rail
167B	ABQ72931402	ABQ72931402	ABQ72931402	Case Assembly, Magic Room

# **DOOR PARTS**



# **DOOR PARTS**

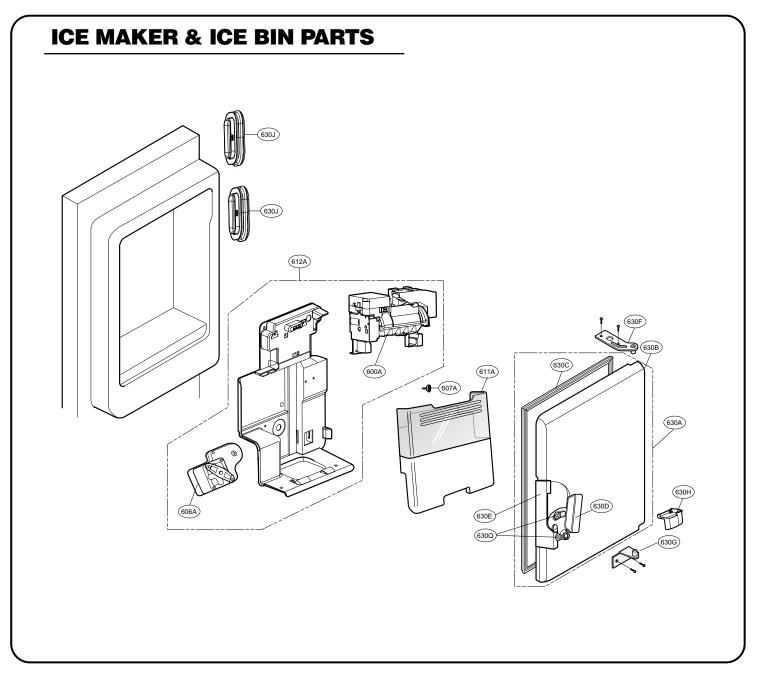
.oc NO.	72063 (ST)	72063 (WB)	72063 (SW)	Desc
46F	AEJ72914501	AEJ72914501	AEJ72914501	Holder Assembly, Bracket
200A	ADC73448204	ADC73448205	ADC73448206	Door Assembly, Freezer
201A	ADD73358004	ADD73358005	ADD73358006	Door Foam Assembly, Freezer
203A	MDS38201414	MDS38201416	MDS38201415	Gasket, Door
207C	MBL65046501	MBL65046501	MBL65046501	Cap, Hinge
207D	MBL65077501	MBL65077501	MBL65077501	Cap, Hinge
.12D	AED72952701	AED72952702	AED72952703	Handle Assembly, Freezer
12G	MFT61866208	MFT61866211	MFT61866207	Name Plate
31A	ADD73516601	ADD73516604	ADD73516603	Door Foam Assembly, Home bar
231B	ADD73358211	ADD73358214	ADD73358213	Door Foam Assembly, Refrigerato
				3
31C	ADD73518001	ADD73518001	ADD73518001	Door Foam Assembly, Refrigerato
232A	MBN62547401	MBN62547401	MBN62547401	Case, Homebar
32B	AEJ73440301	AEJ73440301	AEJ73440301	HolderAssembly, Bracket
233A	ADX72930414	ADX72930418	ADX72930416	Gasket Assembly, Door
:33B	ADX72930413	ADX72930417	ADX72930415	Gasket Assembly, Door
:33C	MDS62152412	MDS62152412	MDS62152412	Gasket Assembly, Bool
:35A	AGU73530702	AGU73530703	AGU73530701	Plate Assembly, Front
35A 241A	MAN62429901	MAN62429901	MAN62429901	•
				Basket Door
241B	MAN62429801	MAN62429801	MAN62429801	Basket ,Door
241C	MAN62629901	MAN62629901	MAN62629901	Basket ,Door
241D	MAN62430001	MAN62430001	MAN62430001	Basket ,Door
41E	MCK66908001	MCK66908001	MCK66908001	Cover, Front
<u>-</u> 241F	MCK67046601	MCK67046601	MCK67046601	Cover, Lever
:41J	MBL65042001	MBL65042003	MBL65042002	Cap, Décor Refrigerator
241K	AAP73252302	AAP73252302	AAP73252302	Basket Assembly, Door
241L	AAP73371801	AAP73371801	AAP73371801	Basket Assembly, Door
41M	ACQ85695401	ACQ85695401	ACQ85695401	Cover Assembly, Front
:41N	MAN62629801	MAN62629801	MAN62629801	Basket, Door
243A	AEH73856401	AEH73856401	AEH73856401	
				Hinge Assembly, Lower
243B	AJC68689632	AJC68689635	AJC68689632	Stopper Assembly, Door
243C	AEH36821901	AEH36821901	AEH36821901	Hinge Assembly, Center
244A	AED72952801	AED72952802	AED72952803	Rail, Slide
244F	AED72952810	AED72952817	AED72952816	Hinge Assembly, Refrigerator
 49E	MGT61844002	MGT61844002	MGT61844002	Rail, Slide
:49F	MGT61844001	MGT61844001	MGT61844001	Rail, Slide
:49K	MCD61841202	MCD61841202	MCD61841202	Connector, Rail
:49P	MCD61841302	MCD61841302	MCD61841302	Connector
:49R	MCD61841201	MCD61841201	MCD61841201	Connector, Rail
:49S	4775JJ2011D	4775JJ2011D	4775JJ2011D	Hinge Assembly, Lower
				Bar
250A	MAK39123906	MAK39123906	MAK39123906	Баг
250B	4470JA2007A	4470JA2007A	4470JA2007A	Gear, Ice
250C	MAK62287201	MAK62287201	MAK62287201	Bar
.50D	MAK62267501	MAK62267501	MAK62267501	Bar
250E	MAK62267601	MAK62267601	MAK62267601	Bar
:50E :50F	MAK62347401	MAK62347401	MAK62347401	Bar
:50F :62C	MGZ42997101	MGZ42997101	MGZ42997101	Supporter, Door
:62E :62F	MHU38218902	MHU38218902	MHU38218902	Spanner
	4350JA3005B	4350JA3005B	4350JA3005B	Ring
71E	AEH73816801	AEH73816803	AEH73816802	Hinge Assembly ,Upper

# **DOOR PARTS**

Loc NO.	72063 (ST)	72063 (WB)	72063 (SW)	Desc
279L	ABH74399601	ABH74399601	ABH74399601	Button, Assembly
281B	MEB62455901	MEB62455901	MEB62455901	Handle, Decor
281D	3550JA2267A	3550JA2267A	3550JA2267A	Cover, Hinge
281E	3550JA2267B	3550JA2267B	3550JA2267B	Cover, Hinge
281F	3550JA2264A	3550JA2264A	3550JA2264A	Cover, Hinge
281G	5040JA3075A	5040JA3075A	5040JA3075A	Damper
281H	5040JA3030B	5040JA3033B	5040JA3033B	Cap, Rubber
312B	ACQ85432701	ACQ85432701	ACQ85432701	Cover Assembly, Front
312E	MCK66932401	MCK66932401	MCK66932401	Cover, Home Bar
312F	ACQ85723601	ACQ85723601	ACQ85723601	Cover Assembly, Front
312G	MCK66932201	MCK66932201	MCK66932201	Cover, Home Bar
402B	6600JB1005D	6600JB1005D	6600JB1005D	Switch, Push Button
405M	MCK66769001	MCK66769001	MCK66769001	Cover, Lamp
406E	MJB62729801	MJB62729801	MJB62729801	Stopper, Door
406F	MJB62830601	MJB62830601	MJB62830601	Stopper, Door
406G	MBL65024301	MBL65024303	MBL65024302	Cap, Decor, Refrigerater
406H	MEG62999601	MEG62999601	MEG62999601	Holder, Button
406I	MBL37761901	MBL37761901	MBL37761901	Cap, Handle
406J	MEG62781701	MEG62781701	MEG62781701	Holder, Button
4091	EAV61652801	EAV61652801	EAV61652801	LED Assembly
615A	MJM61844101	MJM61844101	MJM61844101	Tank, Water
619B	5221JB2010R	5221JB2010T	5221JB2010T	Valve Assembly, Water
619C	AJU73272501	AJU73272501	AJU73272501	Valve Assembly, Water
624A	ADQ36006102	ADQ36006102	ADQ36006102	Filter Assembly, Water
B06	4620JJ2010C	4620JJ2010C	4620JJ2010C	Screw, Customized
S02	4J01425A	4J00415D	4J00415D	Screw, Customized
S03	4J01424B	4J01424B	4J01424B	Screw, Customized
S08	1SZZJA3016A	1SZZJA3016A	1SZZJA3016A	Screw, Customized
S14	1SZZJJ3010F	1SZZJJ3010F	1SZZJJ3010F	Screw, Customized
WSZ064	4000W4A004D	4000W4A004D	4000W4A004D	Screw, Customized

# **DISPENSER PARTS** (275A)

.oc NO.	72063 (ST)	72063 (WB)	72063 (SW)	Desc
275A	ABN72938902	ABN72938902	ABN72938902	Cap Assembly,Duct
276A	4970JA3011K	4970JA3011K	4970JA3011K	Spring,Lever
276B	4930JA3043A	4930JA3043A	4930JA3043A	Holder,Lever
276F	MFF61863101	MFF61863101	MFF61863101	Link
276G	MEG61958701	MEG61958701	MEG61958701	Holder,Bracket
276J	MCK66669701	MCK66669701	MCK66669701	Cover,LED
278B	MDQ62897701	MDQ62897702	MDQ62897703	Frame,Funnel
278D	ADW72909803	MDR61922402	MDR61922403	Funnel Assembly
278F	6871JB2074N	6871JB2074N	6871JB2074N	PCB Assembly, Display
279A	ACQ85571105	ACQ85571102	ACQ85571103	Cover Assembly, Display
279J	ABH74279601	MBG64224802	MBG64224803	Button Assembly
281A	MCR64408601	MCR64408602	MCR64408603	Decor,Drain
102C	6600JB3001C	6600JB3001C	6600JB3001C	Switch,Micro
105A	EAU59551205	EAU59551205	EAU59551205	Motor,DC
600C	ABQ72940006	ABQ72940006	ABQ72940006	Case Assembly,PCB
600J	ABQ73082003	ABQ73082003	ABQ73082003	Case Assembly,PCB



₋oc NO.	72063 (ST)	72063 (WB)	72063 (SW)	Desc
600A	AEQ72910408	AEQ72910408	AEQ72910408	Ice Maker Assembly,Kit
606A	EAU60784204	EAU60784204	EAU60784204	Motor, AC Indoor
607A	4931JA3005B	4931JA3005B	4931JA3005B	Holder Assembly,Bracket
611A	AKC72949308	AKC72949308	AKC72949308	Bucket Assembly, Ice
612A	EAU60783807	EAU60783807	EAU60783807	Motor,AC
630A	ADC72987113	ADC72987113	ADC72987113	Door Assembly,Freeze Room
630B	ADD72915901	ADD72915901	ADD72915901	Door Foam Assembly
630C	MDS62111101	MDS62111101	MDS62111101	Gasket,Door
630D	MEB61894003	MEB61894003	MEB61894003	Handle,Home Bar
630E	MCK63734902	MCK63734902	MCK63734902	Cover,Lever
630F	AEH72976201	AEH72976201	AEH72976201	Hinge Assembly,Upper
630G	AEH73577901	AEH73577901	AEH73577901	Hinge Assembly,Lower
630H	MCK66593601	MCK66593601	MCK66593601	Cover,Home Bar
630J	ADX73250601	ADX73250601	ADX73250601	Gasket Assembly,Door
630Q	4580JT3001B	4580JT3001B	4580JT3001B	Roller