

REFRIGERATOR

MODEL NAME : RF267AE** RF26XAE** MODEL CODE : RF267AERS/XAA RF267AEPN/XAA RF267AEBP/XAA RF267AEWP/XAA RF26XAERS/XAA RF26XAERS/XAA

SERVICE GUIDE

REFRIGERATOR



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For the latest parts information, Please access to our service web site (• North America : http://service.samsungportal.com)



IMPORTANT SAFETY NOTICE

The service guide is for service men with adequate backgrounds of electrical, electronic, and technician experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or dealer cannot be responsible for the interpretation of this information.

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1. PRECAUTIONS(SAFETY WARNINGS)

- Before servicing the refrigerator or replacing parts, unplug the unit from the wall outlet.
- \rightarrow Shock Hazard, observe basic safety rules.
- Be sure to use the specified generic parts when servicing the product.
- → Confirm the Model Number on Product itself. Inspect the mew part and assembly for Voltage, Current and temperature specifications.
- During the Diagnostic and Troubleshooting phase it is recommended to do a visual inspection of all the connections of the wiring harness to the PCB ASSY.
- Check the traces of water infiltration at the electric parts.
- → If there is a trace of water infiltration it is necessary for you to replace the insulation tape or harness.
- Check the assemble status of parts after troubleshooting.
- \rightarrow It should be done indiscriminately as before the repair.
- Check the use circumstance of refrigerator.
- \rightarrow If the refrigerator is installed at the place that is damp or wet, or status of installation is unstable, change the installation place.
- Do earth in case of need.
- → Particularly, Be sure to earth when there is a risk of an electric leakage by humidity or wetness.
- Do not use multi plugs in a plug socket at the same time. Check if the power cord and socket is damaged, pressed, squeezed, or fired.
- \rightarrow If the plug or plug socket is damaged, repair or exchange that immediately.
- Do not allow consumers to repair the appliance by themselves.
- Do not store other materials except the foods.
- \rightarrow Drugs or scientific materials : difficult to keep precise temperature.
- → The inflammables(alcohol, benzene, ether, LP gas, butane gas etc.): have risk of explosion.

PRECAUTIONS(SAFETY WARNINGS)

Read all instructions before repairing the product and follow the instructions in order to prevent danger or property damage.

CAUTION/WARNING SYMBOLS DISPLAYED

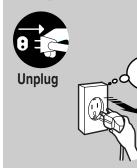
SYMBOLS



Marning & Caution

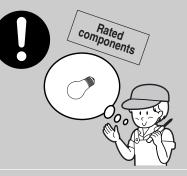
Pull the power plug out to exchange the interior lamp of the refrigerator.

• It may cause electric shock.



Use the rated components on the replacement. • Check the correct model, rated

voltage, rated current, operating temperature and so on.



On repair, make sure that the wires such as harness are bundled tightly.

• Bundle tightly wires in order not to be detached by the external force and then not to be wetted.



Check if there is any trace indicating the permeation of water.

harness parts, and check parts.
Cleaning may prevent the possible fire by tracking or short.

or other things of housing parts,

On repair, remove completely dust



assembled state of components. • It must be in the same assembled state when commared with the state before

After repair, check the

when compared with the state before disassembly.



• If there is that kind of trace, change the related components or do the necessary treatment such as taping weight the

using the insulating tape.

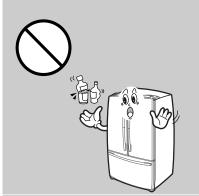
PRECAUTIONS(SAFETY WARNINGS)

* Please let users know following warnings & cautions in detail.

Marning & Caution

Do not allow users to put bottles or kinds of glass in the freezer.

• Freezing of the contents may inflict a wound.



Do not allow users to insert the power plugs for many products at the same time.

•May cause abnormal generation of heat or fire.



Do not allow users to store articles on the product.

• Opening or closing the door may cause things to fall down, which may cause injury.



- Do not allow users to store narrow and lengthy bottles or foods in a small multi-purpose room.
- It may hurt you when refrigerator door is opened and closed resulting in falling stuff down.



Do not allow users to disassemble, repair or alter. • It may cause fire or abnormal operation which leads to injury.



Do not allow users to install the refrigerator in the wet place or the place where water splashes. •Deterioration of insulation of electric

parts may cause electric shock or fire.



Do not allow users to store pharmaceutical products, scientific materials, etc., in the refrigerator.

• The products which temperature control should not be stored in the refrigerator.

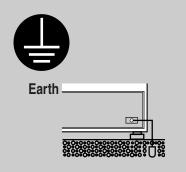


Do not allow users to bend the power cord with excessive force or do not have the power cord pressed by heavy article.



Make sure of the earth.

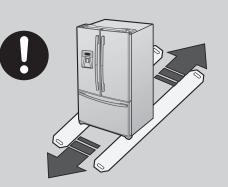
•Be sure the product is properly grounded.



PRECAUTIONS(SAFETY WARNINGS)

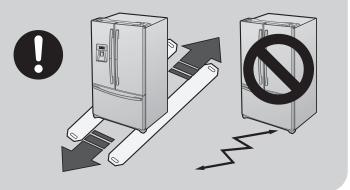
FLOORING

For proper installation, this refrigerator must be placed on a level surface of hard material that is the same height as the rest of the flooring. This surface should be strong enough to support a fully loaded refrigerator, or approximately 660lbs(299kg).



MOVING

Protect the finish of the flooring. Cut a large section of the cardboard carton and place under the refrigerator where you are working. When moving, be sure to pull the unit straight out and push back in straight.



2-1) INTRODUCTION OF MAIN FUNCTION
2-2) SPECIFICATIONS
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2-4) MODEL SPECIFICATION
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2-9) COOLING AIR CIRCULATION

2-1) Introduction of main function

• A newly Developed SAMSUNG bottom mount freezer in 2009 has the following characteristics.

	 Surround Multi Flow Uniform cooling for each shelf and even in corner in fresh food compartment by centerpositioned fan and duct with multiple flow effluences
	 Twin Cooling System The refrigerator and the freezer have two evaporators. Given this independent system, the freezer and the refrigerator are cooled individually as required and are, therefore, more efficient. Food odor from the refrigerator does not affect food in the freezer due to separate air flow circulation.
E	 Electronic control from outside of Pantry Cover Adjustable temperature control ((around 41°F(5°C) : Deli / around 38°F(3°C) : Fresh / around 34°F(1°C) Chilled) Temperature control from outside of the Pantry : user friendly design helps keep foods fresh for longer
Pizza	 16" Pizza Corner Can be used for 16" pizza if stand flip tilting pocket.
	 Ice and Water Dispenser The ice and water dispenser provides ice and cold water at any time.
	Secure Auto Close Door System • Secure Auto Close Door System • Cool tight doors • Energy saving • Preventing sweat on fridge doors
	Easy Handle System • Ez-open Freezer Door • Ergonomic Door Design

2-2) Specifications

ELECTRICAL SPECIFICATIONS

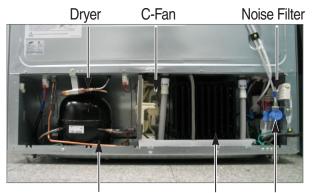
Defrost Control From 24 to 32 hrs
Thermo Bimetal Protector ······140°F(60 °C)(off) 104°F(40 °C)(on)
Defrost Thermistor(502AT) ······ 50°F(10℃)(off)
Electrical Rating AC115V 60Hz 11.6 Amps
Maximum Current Leakage 0.25 mA
Maximum Ground Path Resistance 0.1 Ohm
Energy Consumption 540KWh/year

NO LOAD PERFORMANCE

Ambient Temperature	<u>70°F(21</u> ℃)	<u>90°F(32℃)</u>
Refrigerator,°F ······	34°F(1℃)~46°F(8℃)	34°F(1℃)~46°F(8℃)
Freezer,°F ······ -14	4°F(-26℃)~8°F(-13℃)	-14°F(-26℃)~8°F(-13℃)
Run Time,%	······ <40	<60

REFRIGERATION SYSTEM

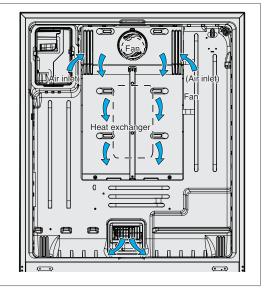
Refrigerant Charge (R134	a)5.64 oz(160g)
Compressor(BK190CL2C/E02)	897 Btu/hr(0.263kw)
Compressor oil	Freol α -10
Capillary tube(Dia, Length)	0.032 ",118 " (0.81mm, 2997mm)
Dryer	Molecular Sieve XH-9



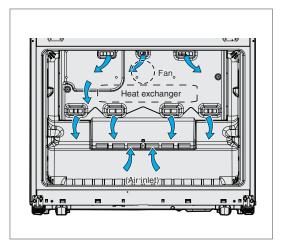
Compressor

condenser Water Valve

Refrigerator



Freezer

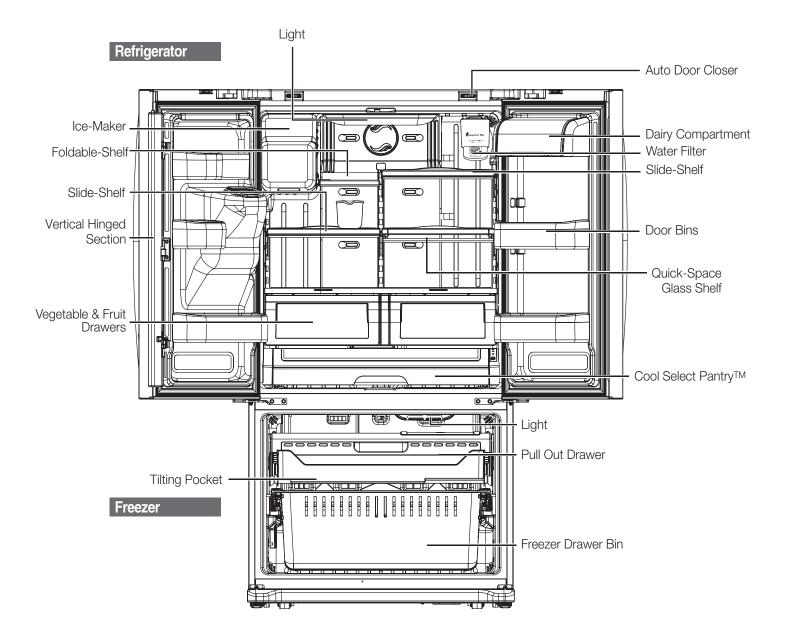


INSTALLATION

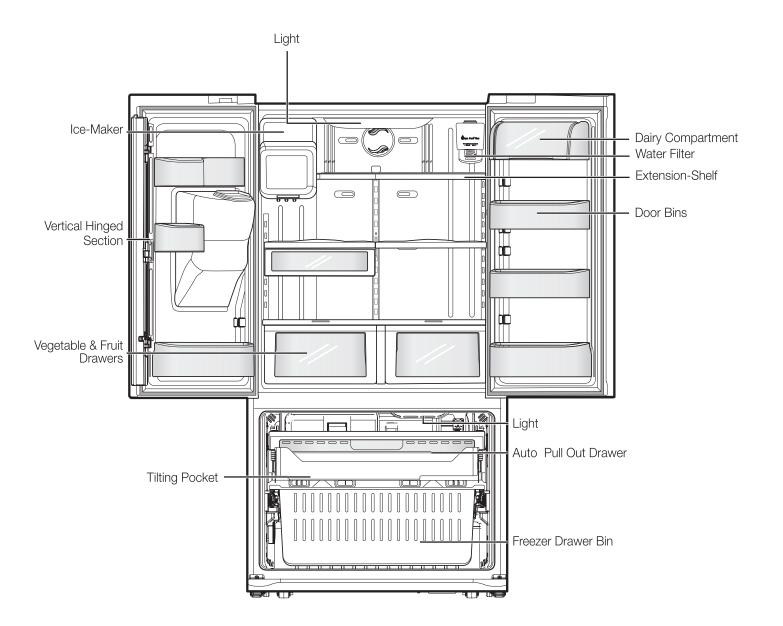
Clearance must be provided for air circulation

AT	ТОР	2"(50mm)
AT	SIDES	3 ^{3/4} "(95mm)
AT	REAR	2"(50mm)

2-3) Interior Views (RF267)



2-3) Interior Views (RF26X)



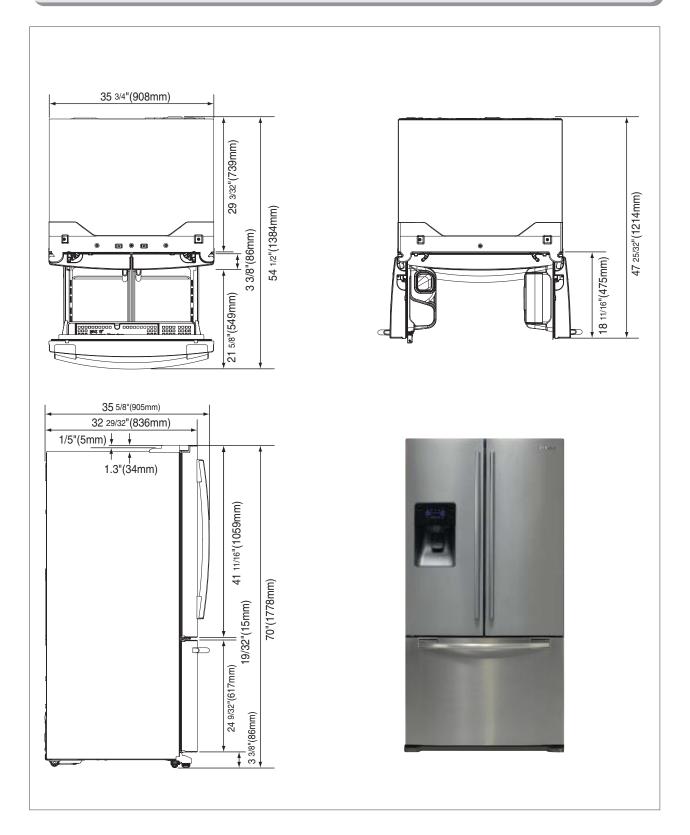
2-4) Model Specification & Specification Chart

ITEM	Model		RF267 / RF26X	
	W		35 3/4 inch (908mm)	
		P	29 1/8 inch (740mm)	
External size	D		35 5/8 inch (905mm)	
External size	Н	W/O Hinge Cap	68 5/8 inch (1744mm)	
	11	With Hinge Cap	70 Inch (1778mm)	
		Total	26 Cu.ft (733.4 <i>l</i>)	
Net Capacity		Freezer	8.2 Cu.ft(232.2 <i>l</i>)	
		Refrigerator	17.7 Cu.ft(501.2 l)	
E	fficiency	of volume	50.17%	
Weight	Set		330 Pounds (150kg)	
Weight	Packing		363 Pounds (165kg)	
		Width	38 5/8 Inch (980mm)	
Packing	Depth		39 13/32 Inch (1001mm)	
	Height		75 3/4 Inch (1923mm)	
Compressor		ressor	reciprocate	
Rated F	requenc	y and Frequency	AC 115V/60Hz	
	Refriç	gerant	R 134a	
	Foamin	ig agent	C-Pantane	
Refr	rigerant I	nput Amount	5.64 oz (160g)	
к	ind of R	efrigerator	Indirect Cooling Method Refrigerator	
Motor R	ated Cor	nsumption Power	155A	
Electric Heater Rated Consumption Power		Consumption Power	380W	

		Item	S	Specifi	cation
		Mode	el	RF267 / RF26X	
	Model			BK190CL2C/E02	
er	Compressor		Starting type	R.S.C.R	
eez(Oil Charge	FREOL α - 10	
ы Г Г	Evaporator		Freezer SPLIT FIN TY		N TYPE
Components for Freezer			Refrigerator	SPLIT FIN TYPE	
oner		Cond	enser	Forced and natural convection type	
dub		Dr	yer	Molecular s	sieve XH-9
Ŭ		Capillary tube	(Dia x Length)	0.032" x 118" (0.8	1mm x 2997mm)
		Refrig	gerant	R13	34a
ents		Model	Temperature Selection	ON(°F)	OFF(°F)
Room Temperature Sensor Components	Freezer	THERMISTOR	-8 °F(-22 ℃)	-2°F(-19℃)	-13°F(-25℃)
or Col	Free	(F-SENSOR)	-2°F(-19℃)	1°F(-17℃)	-5°F(-21℃)
Senso		502AT	8°F(-13℃)	11°F(-12℃)	5°F(-15℃)
ature	r	Model	Temperature Selection	ON(°F)	OFF(°F)
npera	Refrigerator	THERMISTOR	34°F(1℃)	36 °F(2 ℃)	32°F(0℃)
n Ter	efrig	(R-SENSOR)	38 °F(3℃)	40 °F(4 ℃)	36°F(2℃)
Rool	Ä	502AT	46°F(8℃)	48 °F(9℃)	44°F(7℃)
	Cycle	First Defrost Cycle (Co	ncurrent defrost of F and R)	11hr \pm	10min
	t Cy	Defrost	Cycle(FRE)	11~22hr(vary according	to the conditions used)
lts	Defrost	Defrost Cycle(REF)		6~11hr(vary according	to the conditions used)
Components			ise time	12 \pm	1min
duc	Sensor	F Defrost-Sensor	Model	THERMISTO	DR (502AT)
Ŭ	Ser		SPEC	5.0 KQ at 7	7°F(25℃)
Defrost Related	efrost	R Defrost-Sensor	Model	THERMISTO	DR (502AT)
t Re	Defi		SPEC	5.0 ⊮ at 77°F(25℃)	
efros	F Bimetal-thermo	Rated	AC 125	V 10A	
ŏ	letal	Protector	Operating temperature	Off : 140°F(60℃) /	On : 104°F(40℃)
	Bimetal	R Bimetal-thermo	Rated	AC 125	V 10A
	ProtectorOperating temperatureOff: $140^{\circ}F(60^{\circ}C)$ / On: $104^{\circ}F(40^{\circ}C)$		On : 104°F(40℃)		

	Item	S	Specification
Model		əl	RF267 / RF26X
	Defrost Heater(FRE)	Conducting af F Defrost	AC 115V, 240W
	Defrost Heater(REF)	Conducting at R Defrost	AC115V, 120W
	DISPENSER Heater	Interlock with French Heater	AC115V, 2W
	FRENCH Heater	-	AC115V, 8W
	ICE Duct Heater	Interlock with Defrost Heater (FRE)	AC115V, 4W
	Water Tank Heater	-	DC 12V, 2W
	Bimetal thermo For Preventing C	Overheating of Refrigerator Lamp	AC125V 10A / 140°F(60℃) / On : 104°F(40℃)
		Model	4TM445PHBYY-82
	Over load Relay	Temp.ON	257°F±9°F (125℃±5℃)
ents		Temp.OFF	156°F± 16°F (69℃±9℃)
noq	Rated Voltage		AC 115V/ 60Hz
Com	Temp.OFF Rated Voltage MOTOR-BLDC(FRE) MOTOR BLDC(ICE ROOM) MOTOR-BLDC(REF)		DC12V / DREP5020LC
tric (DC12V / DREP5020LB
Elec			DC12V / DREP5020LC
	MOTOR-BLE	DC(CIRCUIT)	DC 12V / DRCP5030LA
	MOTOR-DAM	PER(PANTRY)	DC12V / NSBY001TA1
	Lamp	(FRE)	AC 120V / 60W(1EA)
	Lamp(REF)		AC 120V / 60W(2EA)
		FRE AC 125V 1.5A	
	Door Switch	REF	DC200V 1.5A / MS-406-SS-01(2EA)
		REF(ICE ROOM)	125~250V /11A, EMB606
	Power cord		AC125V 15A
	Earth Screw		BSBN (BRASS SCREW)

2-6)Dimensions of Refrigerator

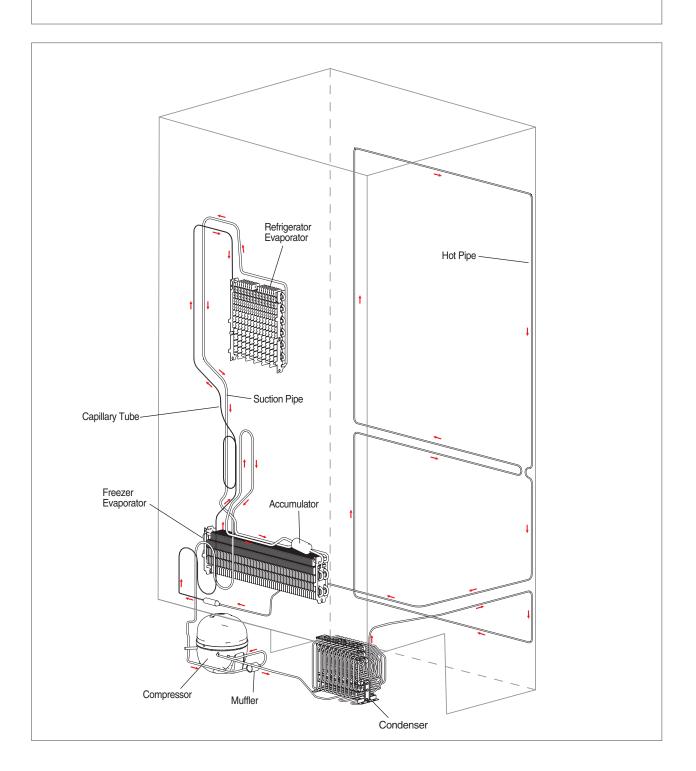


2-7) Optional Material Specification

Part Name	Part Code	AMOUNT
FILTER WATER-ASSY	DA29-00003B	1
ASSY-PACKING SUB	DA99-00240S	1
LAMP INCANDENT	4713-001223	3

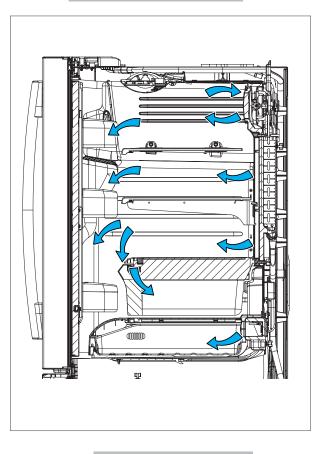
2-8) Refrigerant Route in Refrigeration cycle

 $\label{eq:compressor} \begin{array}{l} \text{Compressor} \rightarrow \text{condenser} \rightarrow \text{Hot Pipe} \rightarrow \text{Dryer} \rightarrow \text{Capillary Tube} \rightarrow \text{Refrigerator Evaporator} \rightarrow \text{Freezer} \\ \text{Evaporator} \rightarrow \text{Suction Pipe} \rightarrow \text{Compressor} \end{array}$

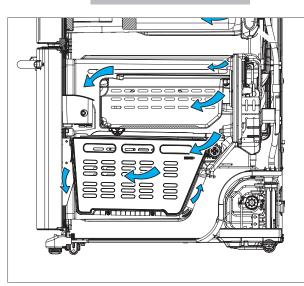


2-9) Cooling Air Circulation

Refrigerator



Freezer



3-1) PRECAUTION · · · · · · · · · · · · · · · · · · ·
3-2) REFRIGERATOR DOOR
3-3) DOOR HANDLE
3-4) REFRIGERATOR LIGHT · · · · · · · · · · · · · · · · · · ·
3-5) COVER-DISPLAY & WATER-DISPENSER · · · · · · · · · · · · · · · · · · ·
3-6) WATER-DISPENSER
3-7) GLASS SHELF • • • • • • • • • • • • • • • • • • •
3-8) FOLDABLE GLASS SHELF · · · · · · · · · · · · · · · · · · ·
3-9) VEGETABLE & FRUIT DRAWERS SHELF · · · · · · · · · · · · · · · · · · ·
3-10) COOL SELECT PANTRY
3-11) WATER TANK • • • • • • • • • • • • • • • • • • •
3-12) MOTOR DAMPER · · · · · · · · · · · · · · · · · · ·
3-13) WATER FILTER (DISASSEMBLY) · · · · · · · · · · · · · · · · · · ·
3-14) WATER FILTER (REASSEMBLY) · · · · · · · · · · · · · · · · · · ·
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3-17) EVAPORATOR COVER IN REFRIGERATOR · · · · · · · · · · · · · · · · · · ·
3-18) EVAPORATOR IN REFRIGERATOR · · · · · · · · · · · · · · · · · · ·
3-19) FREEZER DOOR
3-20) PULL OUT DRAWER • • • • • • • • • • • • • • • • • • •
3-21) ICE-MAKER · · · · · · · · · · · · · · · · · · ·
3-22) FREEZER LIGHT • • • • • • • • • • • • • • • • • • •
3-23) DOOR SWITCH IN FREEZER
3-24) EVAPORATOR COVER IN FREEZER · · · · · · · · · · · · · · · · · · ·
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3-26) MACHINE COMPARTMENT · · · · · · · · · · · · · · · · · · ·
3-27) ELECTRIC BOX · · · · · · · · · · · · · · · · · · ·

ASSEMBLY & DISASSEMBLY

3-1) PRECAUTION

- Unplug the refrigerator before cleaning and making repairs.
- Remove any foreign matter or dust from the power plug pins.
- Otherwise there is a risk of fire.
- Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- Do not plug several appliances into the same multiple power board. The refrigerator should always be plugged into its own individual electrical which has a voltage rating that matched the rating plate.
- This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.
- Do not install the refrigerator in a damp place or place where it may come in contact with water.
- Deteriorated insulation of electrical parts may cause an electric shock or fire.
- The refrigerator must be grounded.
- You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
- Do not put bottles or glass containers in the freezer.
- When the contents freeze, the glass may break and cause personal injury.
- Do not store volatile or flammable substances in the refrigerator.
- The storage of benzene, thinner, alcohol, ether, LP gas and other such products may cause explosions.

IMAGE	ITEM	USE
	Phillips Head Driver	Use for assembling and disassembling of screw
	Flat Head Driver	Use for assembling and disassembling of HomeBar, Dispenser, Deli Cartessen Box, Main PBA etc
· · · · · ·	Hex Wrench Ø5mm	Use for assembling and disassembling of Middle Hinge
	Socket Wrench Ø10mm	Use for assembling and disassembling of Door Hinge

- NEED TOOL

3-2) Refrigerator Door

Part Name	How To Do	Descriptive Picture
	 With the door opened, remove the Top Table cap(1) with a Flat head screwdriver, and close the door. 	
	2. Remove the 3 screw holding down the Top Table and remove the Top Table (2).	
Refrigerator Door	 3. Disconnect a earth wire(3), electronic connector(4) and a water(5)coupling. The blue and red clips are not on the coupling at first, but must be put at installation(6). Remove the 3 hex head bolts on the upper hinge with 10mm wrench. 	
	 4. Remove the 3 hex head bolts(7) found attatched to the upper left and right door hinges with a Wrench(10mm). With a Philips head screwdriver, remove the ground screw(8) found attatched to the upper left and right door hinges. Remove the upper left and right door hinges(9). 	

Part Name	How To Do	Descriptive Picture
Refrigerator	5. Lift the door straight up to remove.	
Door	6.Remove 2 hex head bolts(7) with 5mm Allen Wrench(3/16") and an screw(8) with Philips screwdriver.	

3-3) Door Handle

Part Name	How To Do	Descriptive Picture
	1. Remove the Cap Door with a flat-blade(-) screwdriver.	
Door Handle Freezer	2. Remove 4 screws	
	3. Lift up the handle to have the Slider Handle Fre(1) pushed back.	
	 4. After having the Slider Handle Fre(1) pushed back, screw up at the hole. 	
	5. Remove the door handle by lifting it up.	

3-4) Refrigerator Light

Part Name	How To Do	Descriptive Picture
Refrigerator	1. Remove the lamp cover by pulling it down as pushing the rear of lamp cover.	
Light	2. Remove the screw. And separate the LED panel.	

3-5) Cover-display & water-dispenser

Part Name	How To Do	Descriptive Picture
	 Insert a flat-blade screwdriver on the slot as shown in the picture, and unlock the tabs. 	
Cover-display	2. Remove the display cover by pushing it to the right side and pulling it up.	
	3. Disengage the housing connect of display cover	

Part Name	How To Do	Descriptive Picture
Cover-display	4. Remove 4 screws of cover- display	

3-6) Water-dispenser

Part Name	How To Do	Descriptive Picture
	1. Disengage the 3 Housing Connect.	
Water-dispenser	2. Remove 2 screws of the CaseIce,Route Assy.	
	3. Pull the Case-Ice,Route Assy.	
	4. Push the hook and remove the Micro Switch.	

Part Name	How To Do	Descriptive Picture
Water-dispenser	 Assembly shall be the contrary order from the disassemble. Case-Ice and Route shall be assembled inside of hose. Otherwise, assemble cannot be accomplished. 	
	 When assembling Cover- Display, first insert it from leftside and then assemble to rightside. Otherwise, the tab can be broken. 	Every Save

3-7) Glass Shelf

Part Name	How To Do	Descriptive Picture
Glass Shelf	Remove the shelf by lifting the front plane of the shelf up and pulling it out.	

3-8) Foldable Glass Shelf

Part Name	How To Do	Descriptive Picture
Foldable Glass Shelf	Remove 2 screws of the Fold Glass Shelf	

3-9) Vegetable & Fruit Drawers Shelf

Part Name	How To Do	Descriptive Picture
Vegetable & Fruit	 Remove the vegetable & fruit drawer by pulling the roller part and lifting it up. 	
Drawers Shelf	 Remove the vegetable & fruit drawers shelf by pulling it out. (Refer to the picture) 	

3-10) Cool Select Pantry

Part Name	How To Do	Descriptive Picture
Cool Select Pantry	 Remove the cool select pantry by pulling the roller part and lifting it up. 	
Cool Select Pantry Cover	 Remove the cool select pantry cover by lifting the central part of the cover while pushing it to the left. 	
Cool Select Pantry Shelf	 Remove the cool select pantry shelf by lifting the front part of the shelf while pulling it. 	
Cool Select Pantry	 Remove the cool select pantry rail by unscrewing the 3 screw parts and pulling the rail. 	
Rail	 Disconnect the housing connector from the internal rail part. (Refer to the picture) 	

3-11) Water Tank

Part Name	How To Do	Descriptive Picture
Water Tank	The Water Tank is located in the lower part of the fridge. Before disassembling the Water Tank take out shelf and drawers and pantry located in front of the Water Tank. 1. Remove 2 screw of the Water Tank cover.	
	2. Disengage the housing connector.	
	One water Tube is located in the machine compartment of the refrigerator. Before disassembling the Water Tube, take out the compressor cover. 5. Remove the water valve fixed by the screw.	

Part Name	How To Do	Descriptive Picture
	6. Disconnect the water tube by pushing the tube fitting apart as shown in the picture.	
Water Tank	 The other Water Tube is located in the Top Table of the refrigerator. Before disassembling the Water Tube, take out the Top table. 7. Remove the blue cap of water coupler with other tools. 8. Disconnect the water coupler by pushing as shown in the picture. 	
	9. Remove the Water Tank by pulling the Water Tube.	

3-12) Motor Damper

Part Name	How To Do	Descriptive Picture
Motor Damper	1. Remove the cool select pantry. Remove the screw part of lower motor damper part and then push the motor damper down.	
	 Disengage 2 housing connectors from the rear motor damper. (Refer to the picture) 	

3-13) Water Filter (Disassembly)

Part Name	How To Do	Descriptive Picture
Water Filter	 Remove the shelf by lifting the front plane of the shelf up and pulling it out. Remove the water filter by turning it Counterclockwise. (Refer to the picture) 	

3-14) Water Filter (Reassembly)

Part Name	How To Do	Descriptive Picture
Water Filter	1. Place the part of (ⓐ) arrow (that is indicating in the picture) in the middle of the front filter cover and push it up.	
	2. Turn the water filter counterclockwise until central horizontal line of filter cover and both ends of water filter label are made all of the same width. (Refer to the picture.)	<image/> <section-header></section-header>

3-15) Gallon Door Bin

Part Name	How To Do	Descriptive Picture
Gallon Door Bin	 Remove the gallon door bin by lifting it up. (Refer to the picture) 	

3-16) Vertical Hinged Section

Part Name	How To Do	Descriptive Picture
Vertical Hinged Section	1. Remove 2 screw cap parts with a flat-blade(-) screwdriver. (Refer to the picture)	
	2. Unscrew 2 screws.	
	3. Disengage the internal housing connector of the vertical hinge.	
	 4. Remove the vertical hinged section by lifting the vertical hinge up. (Refer to the picture) 	

3-17) Evaporator Cover In Refrigerator

Part Name	How To Do	Descriptive Picture
	 Remove the angle cap with a flat-blade screwdriver. (Refer to the picture) 	
	2. Unscrew 4 screws.	
Evaporator Cover In Refrigerator	 Remove the the lower part of angle mid by pulling it out and pushing it down. (Refer to the picture) 	
	 4. Remove the hook by pulling it from the lower part and pushing the cover down. (Refer to the picture) 	
	5. Disconnect the housing connector of the rear plane. (Refer to the picture)	Project

3-18) Evaporator In Refrigerator

Part Name	How To Do	Descriptive Picture
Evaporator In Refrigerator	 Remove the the housing cover by pushing both lateral sides of the housing cover and pulling it out. (Refer to the picture) 	
	2. Disconnect the housing connector part. (Refer to the picture)	
	3. Unscrew 2 screws.	
	 4. Remove the evaporator by lifting the bottom side of it up and pulling it out. (Refer to the picture) 	

3-19) Freezer Door

Part Name	How To Do	Descriptive Picture
	 Open the freezer door. Remove the tilting pocket by pushing it to the left. (Refer to the picture) 	
	 Remove the 2 support tilting pockets with temporary force. (Refer to the picture) 	
Freezer Door	 Remove the freezer drawer bin by lifting the bottom part of it up. (Refer to the picture) 	
	4. Remove 4 internal bolts at both lateral sides of rail part. (Refer to the picture)	O F C F
	5. Remove the freezer door by tilting the bottom part of it and lifting it up.	

3-20) Pull Out Drawer

Part Name	How To Do	Descriptive Picture
	1. Slide the drawer in as much as possible	
Door Handle Freezer	2. Lift the drawer up	
	3. Remove the pull out drawer by lifting the bottom part of drawer bin and pulling it out.	

3-21) Ice-Maker

Part Name	How To Do	Descriptive Picture
	1. Pull the Ice-Bucket lever and out	lever
	2. Remove 1 screw of the Cover	
Ice Maker	3. Disassemble the cover with a flat-blade(-) screwdriver and pull it out.	
	4. Disengage the 2 housing connector.	
	5. Push hook and pull the Ice- Maker out.	
	6. To disassemble, push the tab and pull the case-auger and the motor out.	

3-22) Freezer Light

Part Name	How To Do	Descriptive Picture
Freezer Light	 Remove the light by pulling the light cover down while pushing the rear plane of light cover. 	

3-23) Door Switch In Freezer

Part Name	How To Do	Descriptive Picture
Door Switch In	1. Remove the freezer drawer bin by using a flat-blade(-) screwdriver.(Refer to the picture)	ANA ZANA
Freezer	2. Disconnect the housing connector part.	

3-24) Evaporator Cover In Freezer

Part Name	How To Do	Descriptive Picture
Evaporator Cover In Freezer	 Remove the freezer door and freezer drawer bin by pulling out the drawer and then unscrewing 2 screws. 	
	2. Lift up the evaporator cover.	
	3. Disengage the 3 housing connector and remove the evaporator cover.	

3-25) Evaporator In Freezer

Part Name	How To Do	Descriptive Picture
Evaporator In	 Remove the housing cover by pushing both lateral sides of housing cover part and pulling it out. Remove the housing connector part. 	
Freezer	2. Remove the evaporator by pulling the lower part of the evaporator while lifting it up.	

3-26) Machine Compartment

Part Name	How To Do	Descriptive Picture
	1. Unscrew 5 screws of cover compressor.	
	2. Disengage the housing connector. (Refer to the picture)	
	3. Remove the hooker of support circuit motor by lifting the hooker up and pulling it out.	
Motor Fan	 4. Remove the spring with a flat- blade screwdriver. (Refer to the picture) 	
	5. Remove the motor fan by pulling the fan out while grasping the motor part. (Refer to the picture)	
	6. Unscrew 2 screws fixed in the motor.	
	7. Remove the hook of the motor cover with a flat-blade (-) screwdriver and then remove the motor.	

Part Name	How To Do	Descriptive Picture
	1. Disengage the housing connector.	
Relay O/L	2.Remove Cover Relay	The second secon
	3. Remove the relay O/L with a flat-blade screwdriver. (Refer to the picture)	
	1. Unscrew the water valve fixed by the screw.	
Water Valve	2. Remove the the hook part of the hose by pushing it down.	
	 3. Remove 2 water hose parts while pushing the upper part of ①. (Refer to the picture) 	
	4. Disengage 2 housing connector parts.	
	5. Remove the hose connected by the nut with a wrench(8mm).	

Part Name	How To Do	Descriptive Picture
	1. Unscrew 2 screws.	
	2. Disengage the housing connector.	
Power Cord & Noise Filter	3. Unscrew 2 earth screws.	
	 4. Remove the cover by pushing the hook up using a flat screwdriver. (Refer to the picture) 	
	5. Disengage the housing connector to separate the power cord and noise filter.	

3-27) Electric Box

Part Name	How To Do	Descriptive Picture
	 Pull the refrigerator forward to have enough space to work on the rear side of the appliance. 	
	2. Unscrew 2 screws for the PCB cover.	
PBA Main	3. Disengage all housing connectors connected with PBA MAIN.	
	4. Remove the PBA MAIN while lifting the upper part of the hook up. (Refer to the picture)	
PBA INVERTER	1. Remove cover and the all connectors on the PBA MAIN. Remove the PBA INVERTER while pushing	

4-1)	FUNCTION FOR FAILURE DIAGNOSIS
2	4-1-1. TEST MODE (MANUAL OPERATION / MANUAL DEFROST FUNCTION)
2	4-1-2. DISPLAY FUNCTION OF COMMUNICATION ERROR
2	4-1-3. SELF-DIAGNOSTIC FUNCTION · · · · · · · · · · · · · · · · · · ·
2	4-1-4. DISPLAY FUNCTION OF LOAD CONDITION
2	4-1-5. EXHIBITION MODE SETTING FUNCTION
2	4-1-6. OPTION SETTING FUNCTION
2	4-1-7. OPTION TABLE

4-2) DIAGNOSTIC METHOD ACCORDING TO THE TROUBLE SYMPTOM(FLOW CHART) 57
	4-2-1. IF THE TROUBLE IS DETECTED BY SELF-DIAGNOSIS
	4-2-2. IF FAN DOES NOT OPERATE(F, R, C - FAN)
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	4-2-8. WHEN ALARM SOUND CONTINUOUS WITHOUT STOP(RELATED WITH BUZZER SOUND) · 74
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4-1) Function for failure diagnosis

4-1-1. Test mode (manual operation / manual defrost function)

- If Energy Saver Key + Fridge Key on the front of panel are pressed simultaneously for 8 seconds, it will be changed to the test mode and all displays on the front of panel will be off.
- If any key on the front of panel is pressed within 15 seconds after the test mode, it will be operated as below sequence : manual operation(Freezer compartment 1) → manual operation(Freezer compartment 2) → manual operation(Freezer compartment 3) → manual defrost of fresh food and freezer compartments(Fd) → Cancel(Display all off).
- If any key on the front of panel is not pressed within 15 seconds after the test mode, the test mode will be canceled and it will be returned to previous mode.
- If the test mode is canceled, Recommend the power off and reactivate the refrigerator.
- 1) Manual operation function



 If Energy Saver Key + Fridge/Power Cool Key are pressed simultaneously for 8 seconds, (displays are all off) It will be changed to the test mode (manual operation) by pressing any key

1-1) If any key is pressed once in test mode, blinks "FF-1" on the display and it indicates the refrigerator has entered the manual operation. At this moment, buzzer beeps as an alarm.



- 1-2) If any key is pressed once at the manual operation1 status, FF-2 will be displayed. And if any key is pressed one more time, FF-3 will be displayed. FF-2 and FF-3 means manual operation2 and 3 separately. These 3 functions operate with different RPM of COMP.
- 1-3) If manual operation is selected, compressor will run at once without 7 minutes delay in any mode. If the refrigerator is on the defrost cycle at the moment, defrost will be finished and manual operation will begin. (Be careful if manual operation get started at the moment of compressor off, over load could be occurred.)
- 1-4) If manual operation works, compressor & f-fan operate continuously for 24 hours and fresh food compartment will be controlled by the setting temperature.
- 1-5) When the manual operation runs, setting temperature will be selected automatically as below: freezer compartment -8°F(-22 ℃), fresh food compartment 32°F(1 ℃).
- 1-6) During manual operation, Power Freeze & Power Cool function will not be worked. If a function is selected, the power function icon of the selected function will be off.

2) Simultaneous manual defrost(fresh food and freezer compartments) function



- 2-1) If any key is pressed one more time during manual operation(fresh food compartment), "Fd" shows in the display and then manual operation will be canceled at once and fresh food and freezer compartment will be defrosted.
- 2-2) At this moment, alarm beeps for 3 seconds (0.1 sec ON/ 1 sec OFF) during manual defrost function of fresh food and freezer compartment.
- 3) Test cancel mode
 - 3-1) During defrosting of fresh food and freezer compartments simultaneously, if the display panel change to the test mode and test button is pressed one more time, defrosting of fresh food and freezer compartments will be canceled at the same time and will return to the normal operation. Or, all test functions will be canceled by turning main power ON and OFF.

4-1-2. Display function of Communication error

- 1) Display function when Panel \leftrightarrow MAIN MICOM communication has error
 - 1-1) If there is no answer for 10 seconds after the panel micom received the requirement of communication, "Pc Er" display on the panel PCB will be ON/OFF alternately until the communication error is canceled.(0.5 sec ALL ON, 0.5 sec ALL OFF alternately)



- 1-2) "Pc E" display on the Pantry Room Display will be ON/OFF alternately until the communication error is canceled. (0.5 sec ALL ON, 1.5 sec ALL OFF alternately)
- 2) Display function when Panel \leftrightarrow MAIN MICOM OPTION has error
 - 2-1) "OP Er" code is repeatedly ON/OFF until Option error settles down.

4-1-3. Self-diagnostic function

- 1) Self-diagnostic function in the Initial power ON
 - 1-1) Micom operates self-diagnostic function to check the temperature sensor condition within 1 second when the refrigerator turned On initially.
 - 1-2) If bad sensor is detected by the self-diagnostic function, the applicable display LED will blink for 0.5 sec.
 - At this moment, there is no beep sound. (Refer to self-diagnostic CHECK LIST)
 - 1-3) Self-diagnostic button is recognized only when the error is displayed by the bad sensor. Display does not operate normally but temperature control will be controlled by the emergency operation.
 - 1-4) When the error is detected by self-diagnosis, the error can be canceled automatically if all troubled sensors are corrected or Self-diagnostic function key (Energy Saver Key + Alarm/Lighting Key) are pressed simultaneously for 8 seconds. (Return to normal display mode)



 If Energy Saver Key + Alarm/Lighting Key are pressed simultaneously for 8 seconds, the error mode by self-diagnosis will be canceled.

2) Self-diagnostic function during normal operation



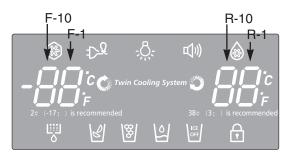
2-1) If Energy Saver Key + Alarm/Lighting Key are pressed simultaneously for 6 seconds during normal operation, the temperature setting display will operate for 2 seconds (ON/OFF 0.5sec each).

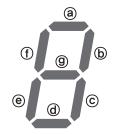
If Energy Saver Key + Alarm/Lighting Key are pressed simultaneously for 8 seconds (including above 2 seconds), self-diagnostic function will be selected.

- 2-2) At this moment, self-diagnostic function will be returned with buzzer sound 'ding-dong'. If there is an error, display of error will be operated for 30 seconds and then return to normal condition whether problem is corrected or not. (Refer to self-diagnosis CHECK LIST)
- 2-3) Input by button is not accepted during self-diagnostic function.

* Self-diagnosis CHECK LIST

NO	Trouble item	Display LED	Trouble contents
1	Ice Maker Sensor Error	R-1-@	ICE MAKER SENSOR part error
2	R-Sensor Error	R-1-ⓑ	R SENSOR part error
3	R-DEF-Sensor Error	R-1-©	R defrost SENSOR part error
4	R-FAN Error	R-1-@	R inner part error
5	Ice Maker Error	R-1- @	ICE MAKER operation error
6	R-DEF, Heater Error	R-1- ⑨	R defrost part error
7	Ambient-Sensor Error	F-1- ⓐ	external SENSOR part error
8	F-Sensor Error	F-1-ⓑ	F SENSOR part error
9	F-DEF-Sensor Error	F-1- ⓒ	F defrost SENSOR part error
10	F-FAN Error	F-1-@	F inner fan motor part error
11	C-FAN Error	F-1- @	machine room fan motor part error
12	Ice Room-Sensor Error	F-1- ①	ICE ROOM SENSOR part error
13	F-DEFHeater Error	F-1- ⑨	F defrost part error
14	Ice Room FAN Error	F-10-b	ICE ROOM inner fan motor part error
15	Pantry-Damper-Heater Error	R-10- ⓐ	Damper Heater open/wire error
16	Pantry-Sensor Error	R-10- ⓑ	Pantry Room SENSOR part error
17	Panel↔Main Micom Error	F-10- ®	Panel⇔Mai Micom communication error
18	Water Tank-Heaer Error	R-10- ⑨	Water Tank Heater open/wire error





* Self-diagnostics check list

LED	ltem	Trouble contents	Diagnostic method				
R-1- ⓐ	Ice Maker Sensor Error	Display error : separation of sensor housing part, contact error, disconnection, short	When checking the voltage of MAIN PCB CN90 #8↔CN90#4 : should be between 4.5V~1.0V.				
R-1- ⓑ	R-Sensor Error	circuit Display error of detecting temperature of	When checking the voltage of MAIN PCB CN30#6→CN76#1: should be between 4.5V~1.0V				
R-1- ⓒ	R-DEF-Sensor Error	sensor: more than 149 $^{\circ}{\rm F}$ (+65 $^{\circ}{\rm C}$) or less than -58 $^{\circ}{\rm F}$ (-50 $^{\circ}{\rm C}$)	When checking the voltage of MAIN PCB CN30#8→CN76#1 : should be between 4.5V~1.0V				
R-1- ⓓ	R-FAN Error	Display error during operation of applicable fan motor : Feed Back signal line contact error, separation of motor wire, motor error	Voltage of MAIN PCB CN76#4(Orange) ↔ CN76#1(Gray) should be between 7V~12V				
R-1- @	Ice Maker Error	Display error : ice making kit is harvested more than 3 times and level error ** Apply to the applicable Ice Maker model.	After replacing ice maker, check the operation by turning the appliance ON again.				
R-1- ®	R-DEF. Error	Display error : separation of fresh food compartment defrost heater housing part, contact error, disconnection, short circuit or temperature fuse error. Display error : the defrosting does not finish though fresh food compartment defrost is heating continuously for more than 80 minutes.	After separating MAIN PCB CN70,CN71 from PCB, check the resistance value between CN70 White \leftrightarrow CN71 Orange should be 102(441) ohm \pm 7%. (resistance value is varied by the input power) Check 0 Ohm : heater short, ∞ Ohm : wire / bimetal Open.				
F-1- ⓐ	Ambient-Sensor Error	Display error : sensor housing separation,	When checking the voltage of MAIN PCB CN31#1↔#4 : should be between 4.5V~1.0V.				
F-1-(b)	F-Sensor Error	contact error, disconnection, short circuit Display error by detecting temperature of sensor: more than 149°F(+65°C) or less	When checking the voltage of MAIN PCB CN30#3→CN76#1: should be between 4.5V~1.0				
F-1- ©	DEF-Sensor Error	than -58° F(-50°C)	When check the voltage of MAIN PCB CN30#4⇔CN76#1: should be between 4.5V~1.0V				
F-1- ⓓ	F-FAN Error	Display error during operation of applicable fan motor : Feed Back signal line contact error, motor wire separation, motor error	Voltage of MAIN PCB CN76#3(Yellow)↔ CN76#1(Gray) should be between 7V~12V.				
F-1- @	C-FAN Error	Display error during operation of applicable fan motor : Feed Back signal line contact error, motor wire separation, motor error	Voltage of MAIN PCB CN76#5(SkyBlue) ↔ CN76#1(Gray) should be between 7V~12V.				
F-1- (f)	Ice Room Sensor Error	Display error : sensor housing separation,contact error, disconnection, short circuit. Display error by detecting temperature of sensor: more than $149^{\circ}F$ (+65°C) or less than -58°F (-50°C)	When check the voltage of MAIN PCB CN31#3→CN76#1: should be between 4.5V~1.0V				
F-1- ⑨	F-DEF. Error	Display error : separation of freezer compartment defrost heater housing part, contact error, disconnection, short circuit or temperature fuse error. Display error : the defrosting does not finish though fresh food compartment compartment defrost is heating continuously for more than 70 minutes.	After separating MAIN PCB CN70,CN71 from PCB, check the resistance value between CN70 brown ↔ CN71 Orange should be 55(115v)ohm ± 7%. (resistance value is varied by input power) Check 0 Ohm : heater short, ∞ Ohm : wire / bimetal Open.				
F-10- ⓑ	Ice Room-FAN Error	Display error during operation of applicable fan motor : Feed Back signal line contact error, motor wire separation, motor error	Voltage of MAIN PCB CN76#2(Black) \leftrightarrow CN75 : should be between 6V~12V.				
R-10- ⓐ	Pantry-Damper-Heater Error	Display error when open error is detected by damper heater : separation of Damper Heater housing part, contact error, disconnection, short circuit	After separating MAIN PCB CN91from PCB, check the resistance value between Black \leftrightarrow brown wire should be 145 ohm \pm 7%. Check 0 Ohm : heater short, ∞ Ohm : wire / bimetal Open.				
R-10- ⓑ	Pantry-Sensor Error	Display error : separation of sensor housing, contact error, disconnection, short circuit. Display error by detecting temperature of sensor: more than 149'F (+65°C) or less than -58'F(-50°C)	When checking the voltage of MAIN PCB CN30#9 \leftrightarrow CN76#1 : should be between 4.5V~1.0V.				
R-10- ®	Water Tank-Heater Error	Display error when open error is detected by Water Tank Heater : separation of Water Tank Heater housing part,contact error, disconnection, short circuit	After separating MAIN PCB CN79 from PCB, check the resistance value between Black ⇔brown wire should be 72 ohm 7%. Check 0 Ohm : heater short, ∞Ohm : wire / bimetal Open.				
F-10- ®	Panel-Main communication Error	Display "oP/LC-Er" in the panel with alarm : MICOM MAIN ↔ LOAD communication error MICOM MAIN ↔ PANEL communication error LC-Er is displayed when the Option is not equivalent with the right value	Actually, it is desirable to recheck the condition with the oscilloscope(1G Hz) after replacing Main and Panel PCB.				

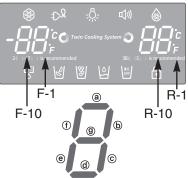
4-1-4. Display function of Load condition



 If Energy Saver Key + Alarm/Lighting key are pressed simultaneously for 6 seconds, ALL ON/OFF will blink with 0.5interval for 2 seconds.

(2) If take the finger off from above keys and press Fridge/Power Cool Key, load condition mode will be started.

- If Power Energy Saver Key + Alarm/Lighting key are pressed simultaneously for 6 seconds during normal operation, the temperature setting display of fresh food and freezer compartments will blink ALL ON/OFF with 0.5 for 2 seconds.
- 2) At this moment, If Fridge/Power Cool Key after Energy Saver Key + Alarm/Lighting Key is pressed, load condition display mode will be returned with alarm.
- 3) Load condition display mode shows the load that micom signal is outputting. However, It means that micom signal is outputting, it does not mean whether load is operating or not. That is to say that though load operation is displayed, load could not be operated by actual load error or PCB relay error etc. (This function would be applied at A/S.)
- 4) Load condition display function will maintain for 30 seconds and then normal condition will be returned automatically.
- 5) Load condition display is as below.



* Load mode Check list

Display LED	Display contents	Operation contents				
R-1-@	R-FAN High	When fresh food compartment fan high operates, applicable LED ON				
R-1-ⓑ	R-FAN Low	When fresh food compartment fan low operates, applicable LED ON				
R-1-©	R-DEF Heater	When fresh food compartment defrost heater operates, LED ON				
R-1-@	Start Mode	Initial power ON refrigerator, LED ON				
R-1- @	Overload condition	When ambient temperature is more than $93^{\circ}F(34^{\circ}C)$, LED ON				
R-1- ①	Low temperature condition	When ambient temperature is less than $72^{\circ}F(22^{\circ}C)$, LED ON				
F-1-@, f) ALL LED Off	Normal Condition	When ambient temperature is between $73^{\circ}F(23^{\circ}C) \sim 91^{\circ}F(33^{\circ}C)$, LED ON				
R1- ⑨	Exhibition Mode	Display mode, LED ON				
F-1-@	COMP.	When compressor operates, applicable LED ON				
F-1-ⓑ	F-FAN High	When freezer compartment fan high operates, applicable LED ON				
F-1-©	F-FAN Low	When freezer compartment fan low operates, applicable LED ON				
F-1-	F-DEF Heater	When freezer compartment defrost heater operates, LED ON				
R-10- @	C-FAN High	When compressor fan high operates, applicable LED ON				
R-10- ①	C-FAN Low	When compressor fan low operates, applicable LED ON				
F-1- ⑨	Dispenser Heater	When Dispenser Heater operates LED ON.				
F-10- ⓐ	Water Tank Heater	When Water Tank Heater operates LED ON.				
F-10-@	Ice Room-FAN High	When Ice Room-FAN High operates LED ON.				
F-10- @	Ice Room-FAN Low	When Ice Room-FAN Low operates LED ON.				
F-10- ⑨	French Heater	When French Heater operates LED ON				
R-10- ⓐ	Pantry Room Damper Open	When Damper opens LED ON.				

4-1-5. Cooling off mode setting function

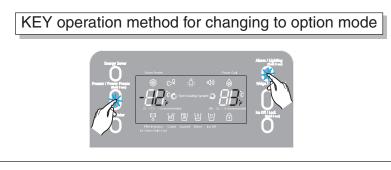


1) If Energy Saver Key + Power Freeze Key are pressed for 3 seconds, Cooling off mode will be started.

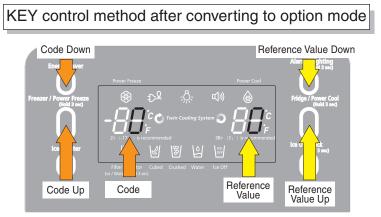
- 1) If Energy Saver Key + Freezer/Power Freeze are pressed simultaneously for 3 seconds during normal operation, Cooling off mode will be started with buzzer sound(ding-dong).
- If above Energy Saver Key + Freeze/Power Freeze are pressed one more time, Cooling off mode will be canceled.
- 3) If Cooling off mode is selected, blinks "OF-OF" on the temperature setting display of the panel and it indicates the refrigerator has entered the Cooling off mode.
- 4) During Cooling off mode, if fresh food and freezer compartments sensors are higher than 149°F (65°C) Cooling off mode will be canceled automatically and freezing operation will be returned. (There is no buzzer sound when the Cooling off mode is canceled by the temperature)
- 5) Operation contents of Cooling off mode
 - Display, Fan motor and etc operate normally, not to operate compressor only.
 - Defrost is not operated. (including french heater)
 - Display function of the initial real temperature is finished.
 - Under the condition of Cooling off mode, Cooling off mode will be operated when Power On after Power OFF.

4-1-6. Option setting function

 If Freezer/Power Freeze Key+ Alarm/lighting Key are pressed simultaneously for 12 seconds during normal operation, fresh food and freezer compartments temperature display will be changed to option setting mode.



(1) If Freezer/Power Freeze Key+ Alarm/lighting Key are pressed simultaneously for 12 seconds, option setting mode will be started.

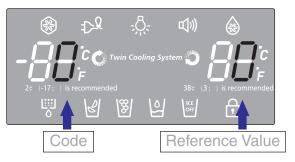


* Key control in option mode

Energy Saver	Code Down key
Freezer/Power Freeze	Code Up key
Alarm/Lighting	Reference Value down key
Fridge/Power Cool	Reference Value Up key

• If the display changes to option setting mode, all displays will be off except freezer and fridge compartments temperature display as below.

(Fresh food and freezer compartments case will be explained only because all options are operated with the same method according to the option table.)



1) For example, if you want to change freezer compartment standard temperature to -4°F(-2°C) by operating option, do as below.

This function is for changing the standard temperature.

In -2°F(-19°C) of current temperature of freezer compartment, if you make the temperature lower to -4°F(-2°C) by the option, the standard temperature would be controlled -6°F(-21°C) Therefore, if you change the setting of temperature option to -2°F(-19°C) on the panel, the appliance will be operated with -6°F(-21°C).

It means that standard temperature is controlled $-4^{\circ}F(-2^{\circ}C)$ less than setting temperature in the display.



Basically, option function has cleared data at shipping process. Therefore, almost all setting value are "0".

Check the product information manual or specifications because setting value could be changed particularly for the purpose of improving product at mass producing process.

- 2) After changing to the option mode, fresh food compartment "0", freezer compartment "0" will be displayed. (Basically fresh food compartment "0", freezer "0" would be set at shipping process, but setting value could be changed for the purpose of improving product at mass producing process.)
 - If fresh food compartment "0" shows only, temperature reference value of freezer compartment will be set and current freezer compartment temperature code will be displayed on the freezer temperature display.
- If freezer compartment "4" is set as below freezer compartment code after fresh food compartment "0 is set, standard temperature of freezer compartment will be lower than -4°F(-2.0°C).

(Refer to the picture "changing the freezer compartment temperature")



- : If you wait for 20 seconds after completing the setting, MICOM will save the setting value to the EEPROM and normal display will be returned and the option setting mode will be canceled.
- 4) Option changing method as above is the same as all RF267**/RF26V** model.
- 5) By the same method as above, it is possible to control the fresh food compartment temperature, water supply, ice-maker harvest temperature/time, defrost return time, hysteresis by temperature, notch gap by temperature etc.
- 6) Option function is set in the EEPROM at shipping process in the factory. You would better not to change the option of your own. Completing the setting is that option function return to normal display after 20 seconds. Do not turn off the appliance before returning to the normal display mode.

NOTE

Option setting function exists in the other items.

We will skip the explanation of the other functions by the option because it is associated with refrigerator control function and is not needed at SERVICE.

(Please do not set the other options except above SERVICE Manual.)

4-1-7. Option TABLE

1) Temperature changing table of freezer compartment

0						
Set item		Freezer Temp Shift				
MODEL		RF267/RF26V				
Referenc	е		Fridge	Room 7-	SEG	
Value			0			
Setting value						
FZ compartment Code		Temp. Ipensation				
0		0				
1	- 1°]	F(-0.5°C)				
2	- 2°]	F(-1.0°C)				
3	- 3°]	F(-1.5℃)			₿: \$<]; ®	
4	- 4°]	-(-2.0°C)		· [_[Twin Cool	
5	- 5°]	F(-2.5°C)			J U F	
6	- 6°]	F(-3.0°C)			-17;) is recommended	
7	- 7°]	F(-3.5°C)				
8	+ 1°]	F(+0.5°C)			Code	
9	+ 2°]	F(+1.0°C)	ex) If you	want to change	
10	+ 3°]	F(+1.5°C)		, ,	0	
11	+ 4°]	F(+2.0°C)				
12	+ 5°]	(+2.5°C)				
13	+ 6°]	F(+3.0°C)				
14		₹(+3.5°C)				
	<u> </u>	. ,				

 Code
 Reference Value

 ex) If you want to change the freezer standard temperature to -4°F(-2°C)

2) Temperature changing table of fresh food compartment

+ 8°F(+4.0°C)

15

-	-		-
Set item			Freezer Temp Shift
MODEL			RF267/RF26V
Reference			Fridge Room 7-SEG
Value			1
Setting value			
FZ compartment Code		mp. Insation	
0	(0	
1	- 1°F(-	•0.5°C)	
2	- 2°F(-	·1.0°C)	
3	- 3°F(-	·1.5°C)	
4	4 - 4°F(-2.		
5	5 - 5°F(-2.5°C)		
6	- 6°F(-	-3.0°C)	
7	7 - 7°F(-3.5°C		ex) If you want to change the freezer compartment
8	+ 1°F(-	+0.5°C)	standard temperature to 4°F(2°C)
9	+ 2°F(-	+1.0°C)	(∭ tp\$ - <u>Å</u> - ⊄1) @
10	+ 3 °F(-	+1.5°C)	
11	+ 4°F(-	+2.0°C)	
12	12 + 5°F(+2		2¢ (-17;) is recommended 38¢ (3;) is recommended
13	+6°F(-	+3.0°C)	병 🖌 🖉 🗑 🖾 🔂
14	+7°F(-	+3.5°C)	Code Reference Value
15 + 8°F(+4.0°C)		+4.0°C)	

4-2) Diagnostic method according to the trouble symptom(Flow Chart)

DATA1.Temperature table Resistance value and MICOM port voltage of sensor according to the temperature SENSOR CHIP : based on PX41C

°C	۴F	Voltage	Resistance	°C	°F	Voltage	Resistance	°C	۴	Voltage	Resistance
-50	-58	4.694	153319	-5	23	3.107	16419	40	104	1.153	2997
-49	-56.2	4.677	144794	-4	24.8	3.057	15731	41	105.8	1.124	2899
-48	-54.4	4.659	136798	-3	26.6	3.006	15076	42	107.6	1.095	2805
-47	-52.6	4.641	129294	-2	28.4	2.955	14452	43	109.4	1.068	2714
-46	-50.8	4.622	122248	-1	30.2	2.904	13857	44	111.2	1.040	2627
-45	-49	4.602	115631	0	32	2.853	13290	45	113	1.014	2543
-44	-47.2	4.581	109413	1	33.8	2.802	12749	46	114.8	0.988	2462
-43	-45.4	4.560	103569	2	35.6	2.751	12233	47	116.6	0.963	2384
-42	-43.6	4.537	98073	3	37.4	2.700	11741	48	118.4	0.938	2309
-41	-41.8	4.514	92903	4	39.2	2.649	11271	49	120.2	0.914	2237
-40	-40 -38.2	4.490	88037	5	41	2.599	10823	50	122	0.891	2167
-39		4.465	83456	6 7	42.8	2.548	10395	51 52	123.8	0.868	2100
-38 -37	-36.4 -34.6	4.439 4.412	79142 75077	8	44.6 46.4	2.498 2.449	9986 9596	52	125.6 127.4	0.846	2036 1973
-37	-34.0	4.412	71246	9	48.2	2.449	9596	53	127.4	0.824	1973
-35	-32.8	4.365	67634	10	40.2 50	2.399	8867	55	131	0.803	1855
-34	-29.2	4.326	64227	11	51.8	2.301	8526	56	132.8	0.762	1799
-33	-27.4	4.296	61012	12	53.6	2.253	8200	57	134.6	0.743	1745
-32	-25.6	4.264	57977	13	55.4	2.205	7888	58	136.4	0.724	1693
-31	-23.8	4.232	55112	14	57.2	2.158	7590	59	138.2	0.706	1642
-30	-22	4.199	52406	15	59	2.111	7305	60	140	0.688	1594
-29	-20.2	4.165	49848	16	60.8	2.064	7032	61	141.8	0.670	1547
-28	-18.4	4.129	47431	17	62.6	2.019	6771	62	143.6	0.653	1502
-27	-16.6	4.093	45146	18	64.4	1.974	6521	63	145.4	0.636	1458
-26	-14.8	4.056	42984	19	66.2	1.929	6281	64	147.2	0.620	1416
-25	-13	4.018	40938	20	68	1.885	6052	65	149	0.604	1375
-24	-11.2	3.980	39002	21	69.8	1.842	5832	66	150.8	0.589	1335
-23	-9.4	3.940	37169	22	71.6	1.799	5621	67	152.6	0.574	1297
-22	-7.6	3.899	35433	23	73.4	1.757	5419	68	154.4	0.560	1260
-21	-5.8	3.858	33788	24	75.2	1.716	5225	69	156.2	0.546	1225
-20	-4	3.816	32230	25	77	1.675	5039	70	158	0.532	1190
-19	-2.2	3.773	30752	26	78.8	1.636	4861	71	159.8	0.519	1157
-18	-0.4	3.729	29350	27	80.6	1.596	4690	72	161.6	0.506	1125
-17	1.4	3.685	28021	28	82.4	1.558	4526	73	163.4	0.493	1093
-16	3.2	3.640	26760	29	84.2	1.520	4369	74	165.2	0.481	1063
-15	5	3.594	25562	30	86	1.483	4218	75	167	0.469	1034
-14	6.8	3.548	24425	31	87.8	1.447	4072	76	168.8	0.457	1006
-13	8.6	3.501	23345	32	89.6	1.412	3933	77	170.6	0.446	978
-12	10.4	3.453	22320	33	91.4	1.377	3799	78	172.4	0.435	952
-11	12.2	3.405	21345	34	93.2	1.343	3670	79	174.2	0.424	926
-10 -9	14	3.356	20418	35	95	1.309	3547	80	176	0.414	902
-9 -8	15.8 17.6	3.307 3.258	19537 18698	36 37	96.8 98.6	1.277 1.253	3428 3344	81 82	177.8 179.6	0.404	877 854
-8	17.6	3.258	17901	37	100.4	1.253	3204	83	179.6	0.394	832
-7	21.2	3.208	17901	39	100.4	1.183		84	183.2	0.364	810
-0	21.2	3.158	17142	39	102.2	1.103	3098	04	163.2	0.375	010

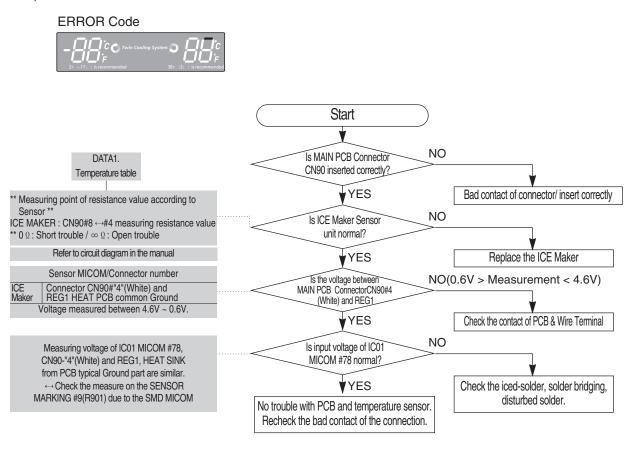
4-2-1. If the trouble is detected by self-diagnosis

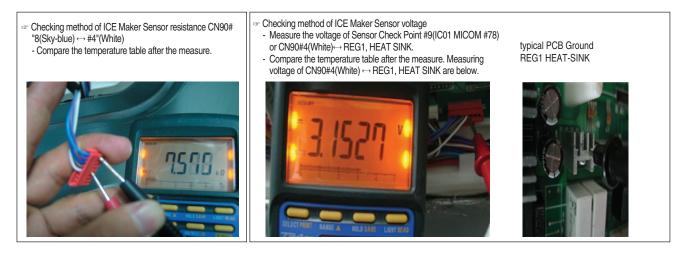
- The error of sensor will be displayed on the front of display.

when the error of sensor is detected at initial power ON, the appliance will not operated and display of abnormal sensor part will blink.

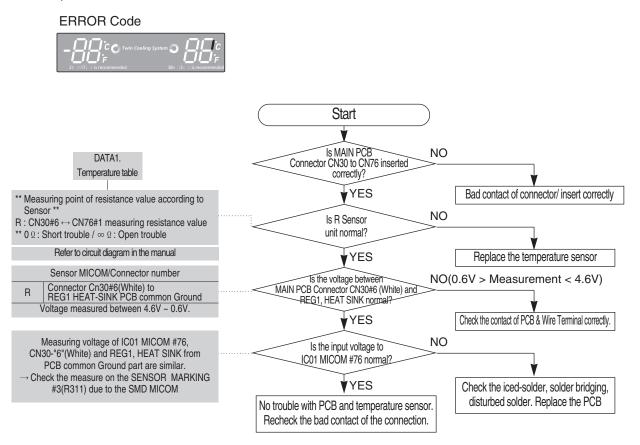
- The appliance will not stop operating when the error of sensor is detected during operation of the appliance. But normal freezing might be not operated if the appliance is operated by the emergency operation mode. You would better to check the appliance according to the self-diagnosis of the manual.

1) If ICE Maker Sensor has trouble



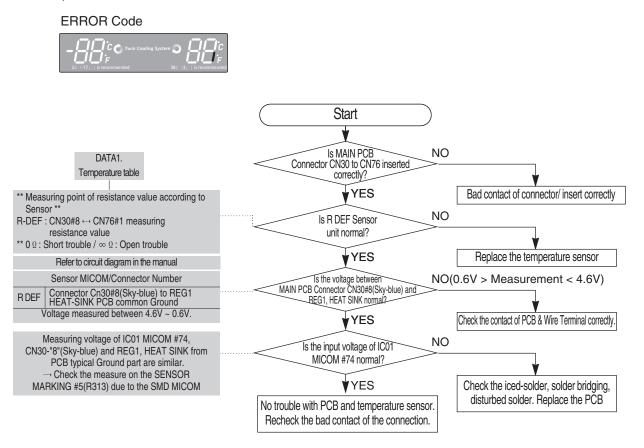


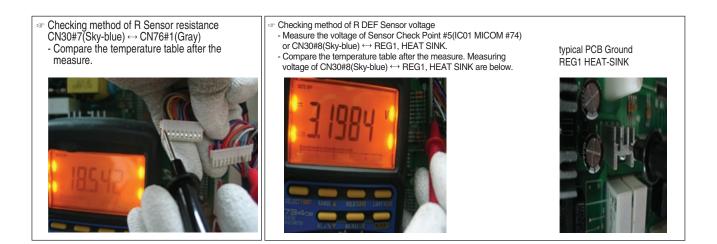
2) If R Sensor has trouble



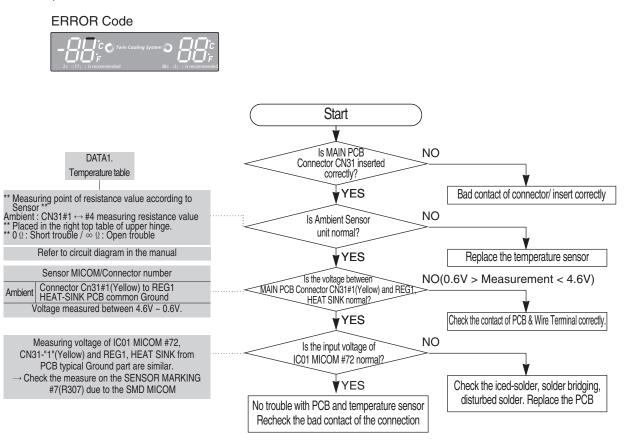
 Checking method of R Sensor resistance CN30#6(White) → CN76#1(Gray) Compare the temperature table after the measure.
 Checking method of R Sensor voltage • Measure the voltage of Sensor Check Point #3(IC01 MICOM #76) or CN30#6(White) → REG1, HEAT SINK. • Compare the temperature table after the measure. Measuring voltage of CN30#6(White) → REG1, HEAT SINK are below.
 Time and the temperature table after the measure. Measuring voltage of CN30#6(White) → REG1, HEAT SINK are below.
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 Time and the temperature table after the measure. Measuring voltage of CN30#6(White) → REG1, HEAT SINK
 Time and the temperature table after the measure. Measuring voltage of CN30#6(White) → REG1, HEAT SINK
 Time and table after table after table after table after table after table after table

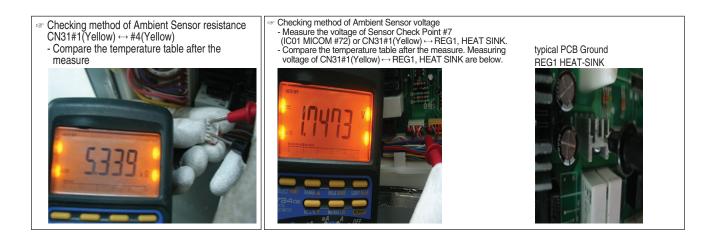
3) If R DEF Sensor has trouble



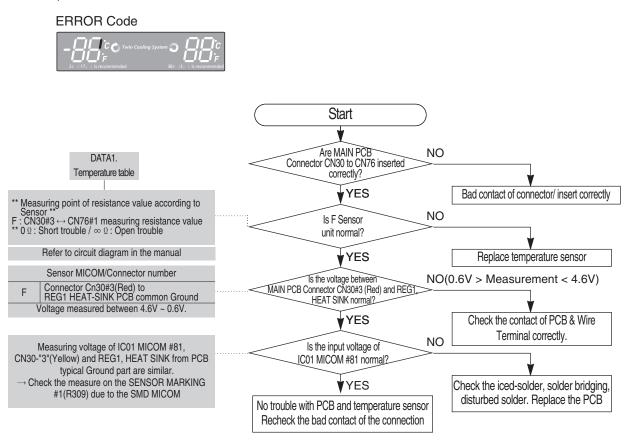


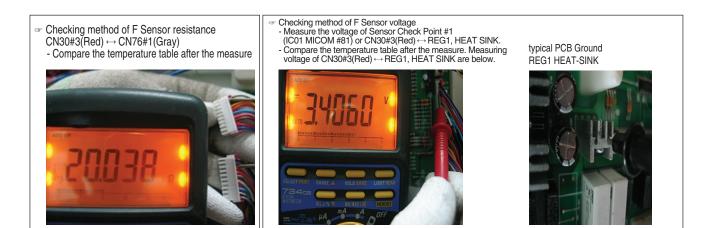
4) If Ambient Sensor has trouble





5) If F Sensor has trouble

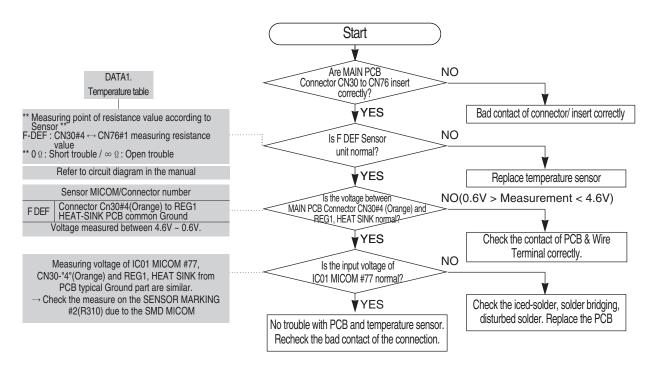


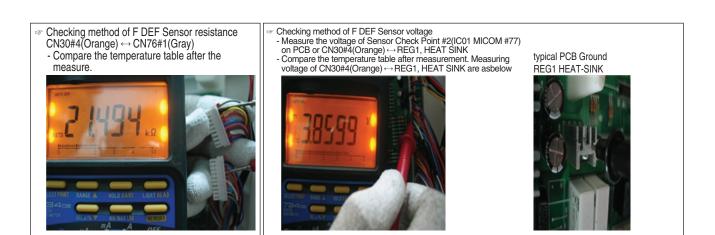


6) If F DEF Sensor has trouble

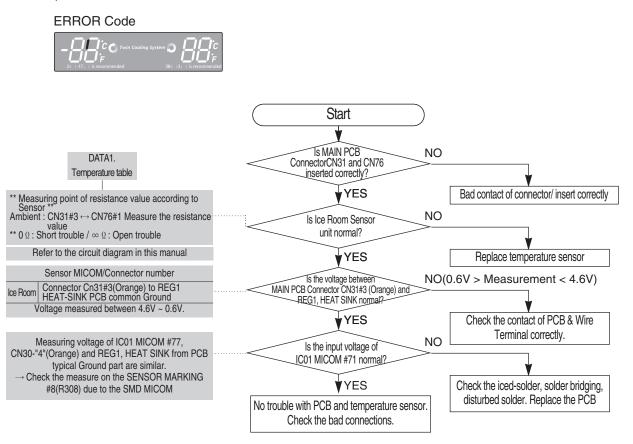


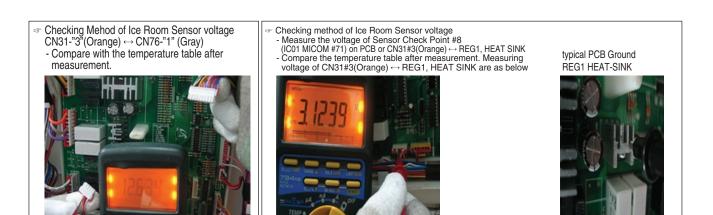




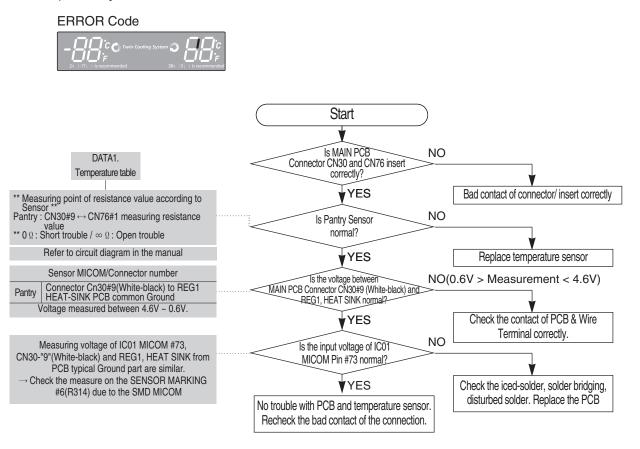


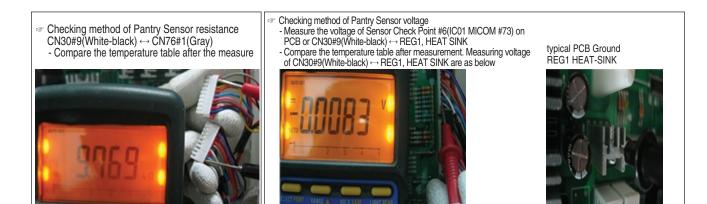
7) If Ice Room Sensor has trouble



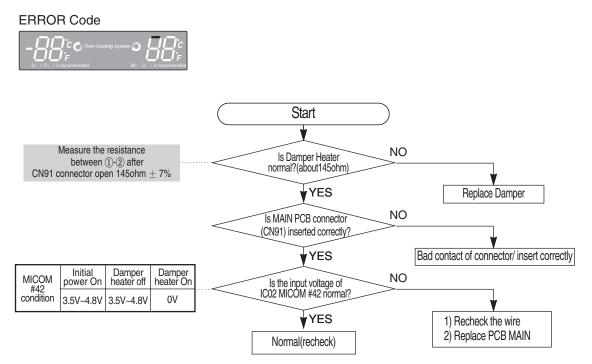


8) If Pantry Sensor has trouble





9) If Pantry Room Damper Heater has trouble



 Checking method of Pantry Room Damper resistance CN91#1(Black) ↔ #2(Brown)
 ** ∞ Ω : Open(wire disconnection, heater disconnection) trouble 0 Ω : Short trouble



Heat	eat MICOM In (IC01)					Working Heater
Water tank	#6	3.5V ~ 4.8V	3.5V ~ 4.8V	0V		
Ice Pipe	#3	3.5V ~ 4.8V	3.5V ~ 4.8V	0V		

10) If Tank Water Heater has trouble

ERROR Code Ċ Start ¥ Measure the resistance between NO Is MAIN PCB connector (CN79) inserted correctly? #6~#10 after CN79 connector open 720hm \pm 7% YES Bad contact of connector/ insert correctly NO Is Tank Water Heater normal?(about72ohm) YES 1) Wire connector 2) Replace Heater Initial power On Working heater MICOM Heater off NO Is the input voltage of IC01 MICOM #6 normal?) #6 3.5V~4.8V 0V 3.5V~4.8V 1) Recheck the wire YES 2) Replace PCB MAIN Normal(recheck)

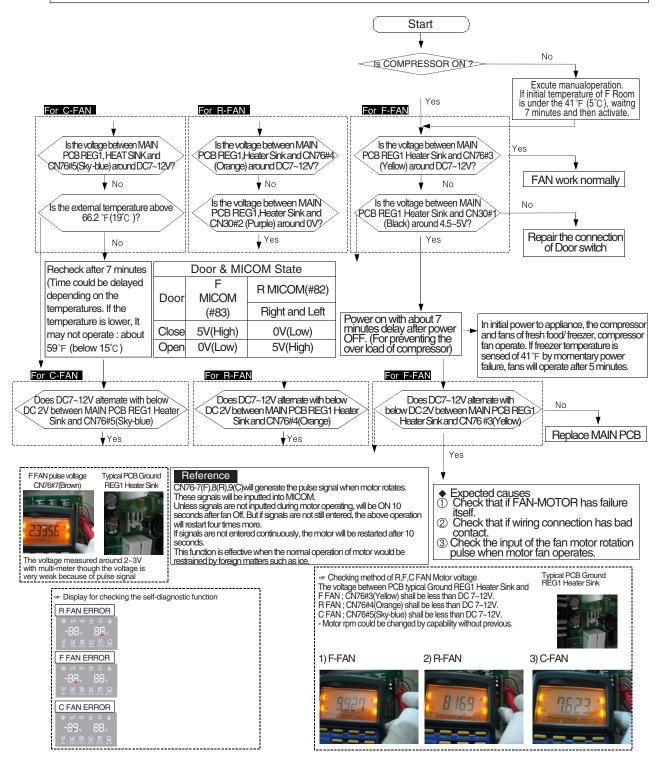
- CF Checking method of Tank Water Heater resistance CN78#5(Black) ↔ #4(Brown) ** ∞ Ω : Open(wire disconnection, heater
- disconnection) trouble 0 9 : Short trouble
- Checking method of Tank Water Heater resistance CN79#6(Pink) ↔ #10(White)
 ** ∞ Ω: Open(wire disconnection, heater disconnection) trouble 0 Ω: Short trouble

4-2-2. If FAN does not operate(F, R, C - FAN)

- The refrigerator of this model has BLDC FAN motor. BLDC motor is driven by DC 7~12V.

- On the normal condition of COMP ON, it operates together with F-FAN motor.
- If door is opened and closed once at a high ambient temperature, it will be operated after 1 minute delay.
- Therefore, you are advised not to taken it for an error.

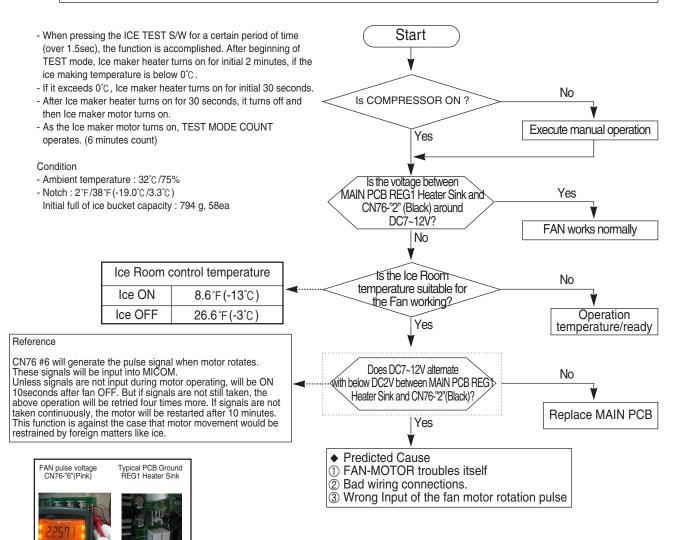
-. If there is a trouble, you should select the self-diagnostic function to check the trouble before power off.



4-2-3. If ICE Room Fan does not operate

- This refrigerator has BLDC FAN motor. BLDC motor is driven by DC7~12V.

- When COMP ON, normally operates with F-FAN motor.
- If there is any trouble, you should select the self-diagnostic function to check the trouble before power off.



The voltage is variable due to pulse signal but measured about 2~3V with the Multi-Meter.

Provide the self-diagnostic function

Ice Room FAN ERROR

99

Checking method of Ice Room FAN Motor Voltage with the voltage between typical PCB Ground REG1 Heater Sink and Ice Room FAN; CN76-"2"(Black) shall be less than DC 6~12V. Additional check if resistance values are different after measurement.

1) Ice Room - FAN



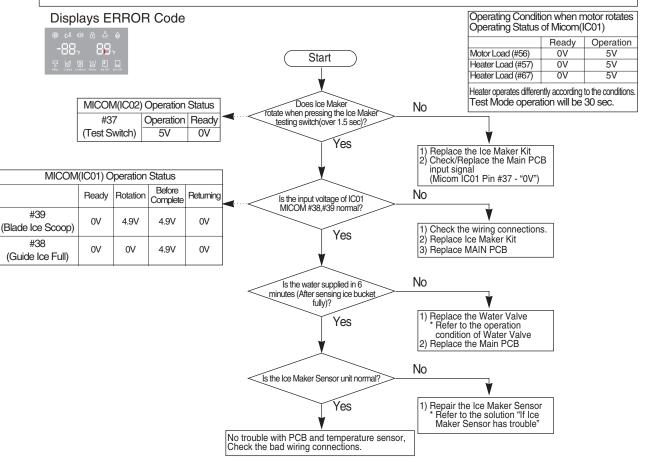
Typical PCB Ground RÉG1 Heater Sink

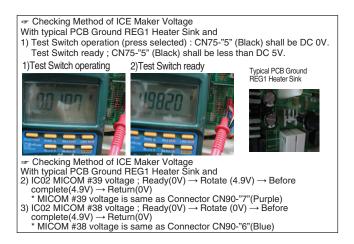


4-2-4. If Ice Maker does not operate

1. Water is automatically supplied to the Ice Maker depending on temperature & time condition and Ice Maker Dispenses cubed or crushed ice.

- 2. Power is applied to the one end of wires. Be careful when disassembling and shall refer to its exploded diagram in any case.
- 3. Ice Maker operation shall be checked after pressing the Ice Maker testing switch.
- (Freezer Ice Maker) It is not possible to check when the power is disengaged.
- 4. We recommend that TWO PEOPLE check the PCB and Ice Maker because they are located at front and rear side each.
- 5. Be careful! The Ice Maker Heater can cause personal injury like burn.
- 6. Ice maker could operate not only genuine rotate but also reverse rotate, so it is not out of order that reverse rotate.





- Check the ICE Maker Heater & Motor Resistance
 Measuring the Ice Maker Heater 2) Measuring the Ice Maker Motor
- 1) Measuring the Ice Maker Heater resistance values

CN70#11(Gray) - #1(Black)



Resistance value : 91(364)Ohm±7%

34867.

CW/CCW Resistance value : 200KOhm ± 30%

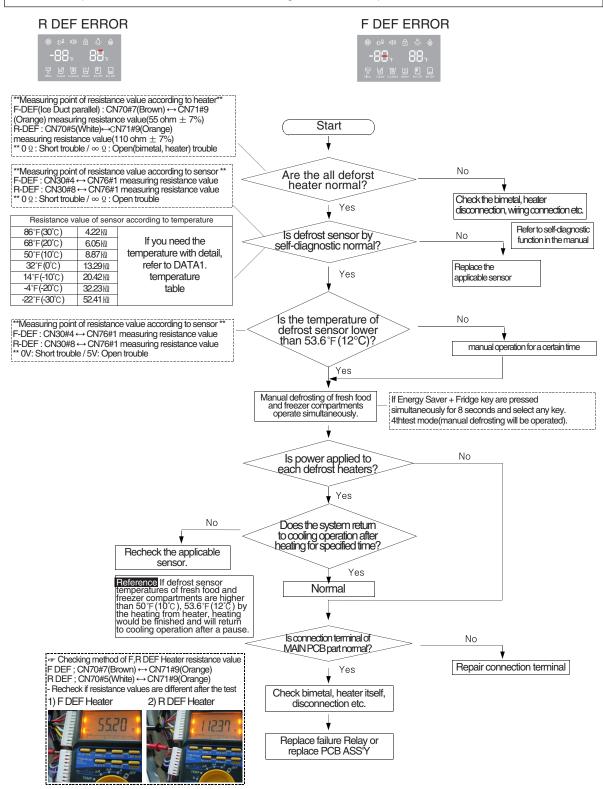
CW : 13P #11(White) and CN70#9(Red)

CCW : 13P #13(Pink) and CN70#9(Red)

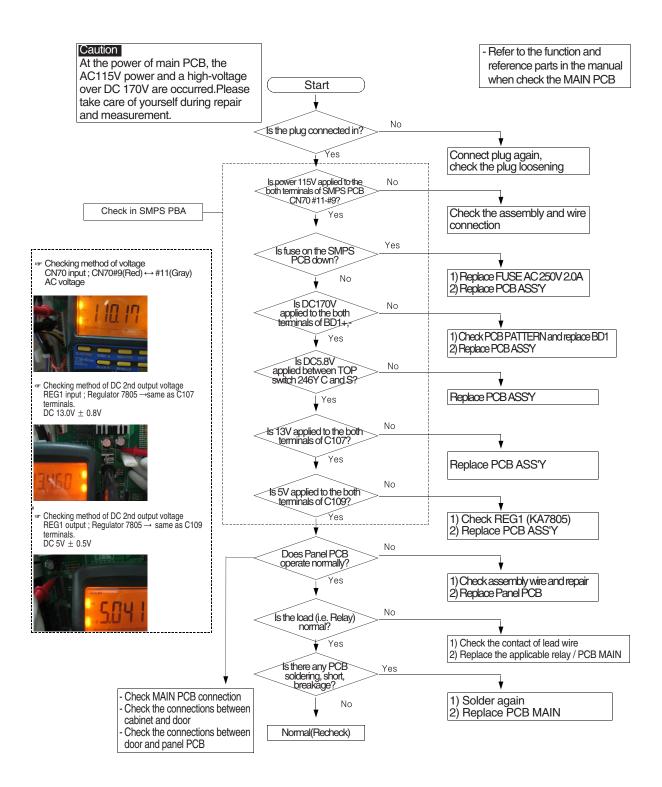
resistance values

4-2-5. If defrost does not operate (F,R DEF Heater)

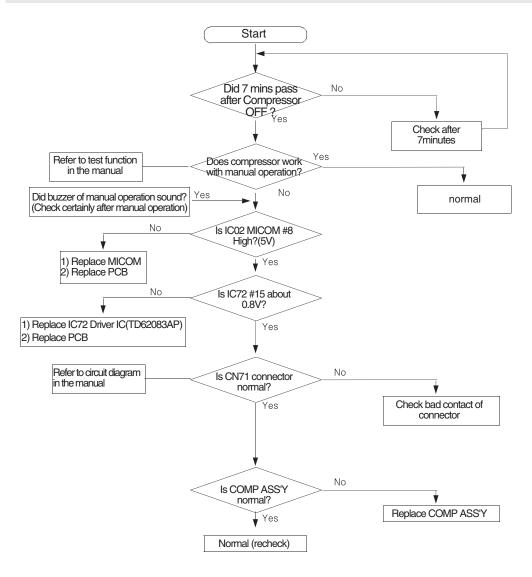
- If defrost has trouble, select the self-diagnostic function to detect the error of defrost heater before Power Off. (Check the function with the self-diagnostic function)

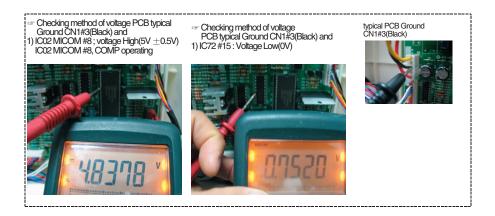


4-2-6. If Power is not supplied



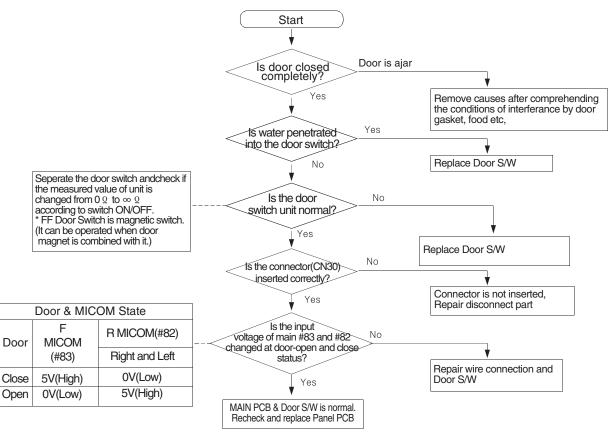
4-2-7. If compressor does not operate



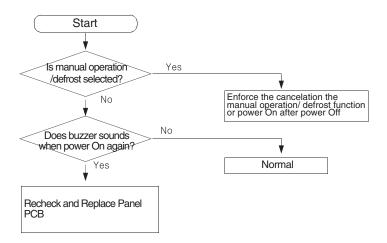


4-2-8. When alarm sound continuous without stop(related with buzzer sound)

① If 'ding-dong'sound continuously



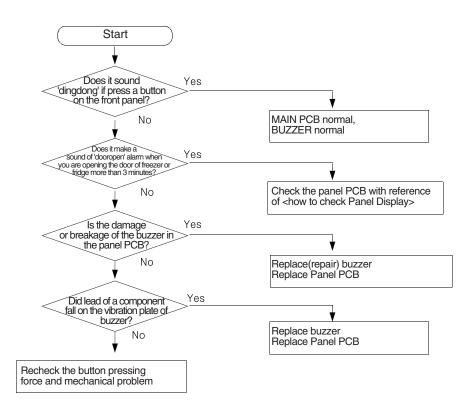
② If 'beep-beep' sounds continuously



③ If buzzer does not sound

Buzzer is installed on the panel PCB in this model.

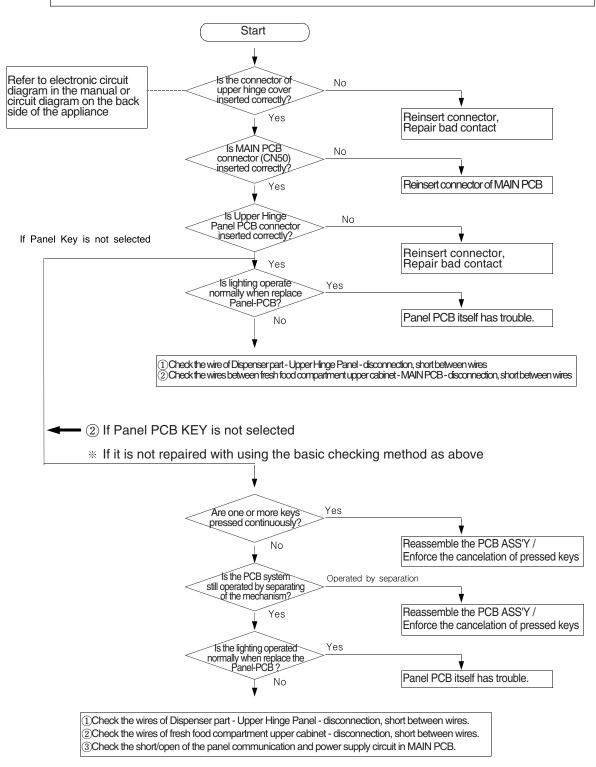
If buzzer does not sound when button is pressed, manual operation is started and door is opened, should separate panel PCB and check the breakage of buzzer and bad soldering. It is very hard to repair the panel PCB because it consists of SMD assemblies. It is recommended to replace assembly PCB when the failure associated with panel is occurred except the minor error such as switch pressing error, surface peeling off and so on.



4-2-9. If Panel PCB does not work normally

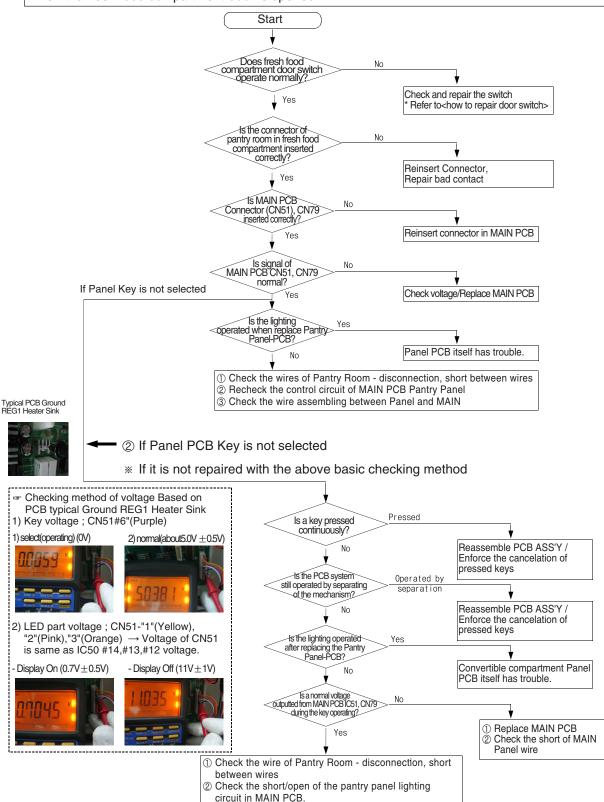
① When lighting of Panel PCB is disabled or only some LED Lamp are disabled

Be careful to repair because display of this model is installed in the MICOM of internal PCB. It is recommend to replace PCB MAIN after checking except specified solder touch.



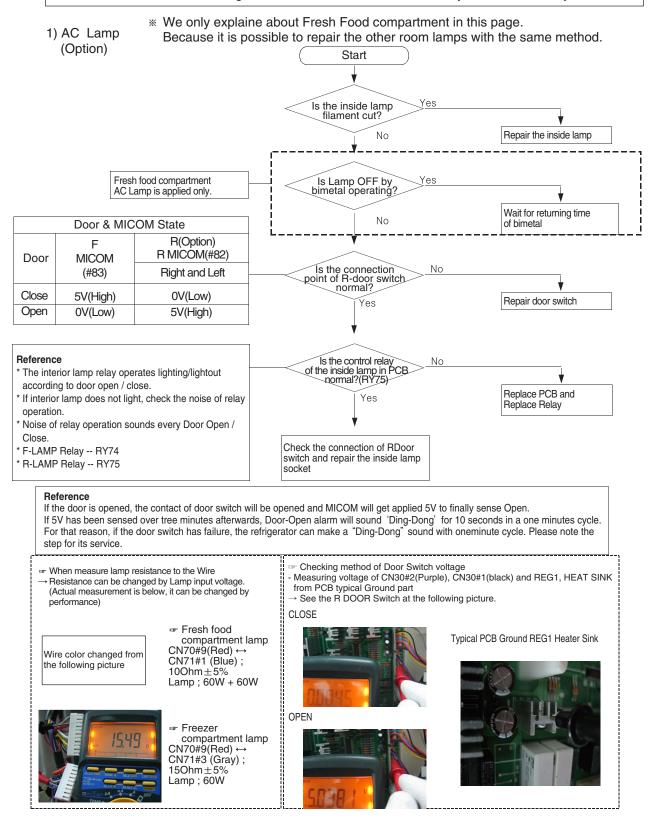
4-2-10. If Pantry Panel PCB is not working normally

You should check the display after door opening because the display of this model operates only when the fresh food compartment door is opened.



4-2-11. When refrigerator ROOM Lamp does not light up

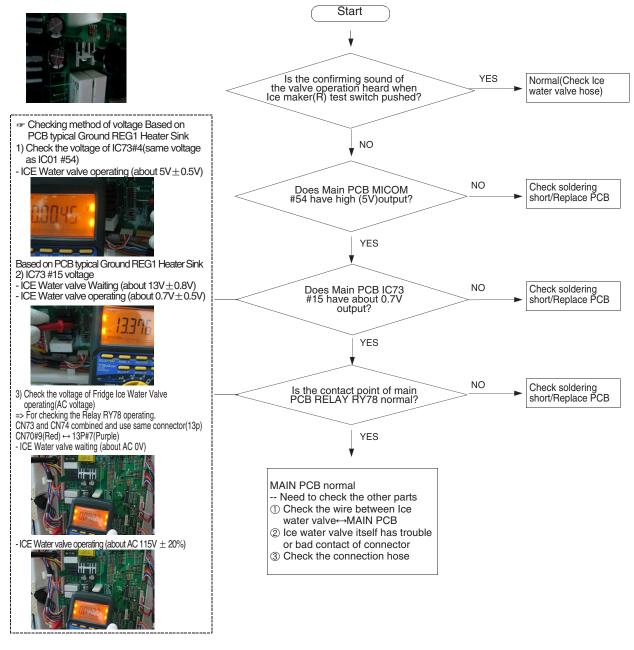
- 1. When you replace the lamp of freezer, please power OFF to avoid an electric shock.
- 2. Please keep in mind you could get burnt by the excessive heating of an incandescent light bulb.
- 3. Bimetal is installed in the refrigerator LAMP. Check that if LAMP may be turned OFF by bimetal.



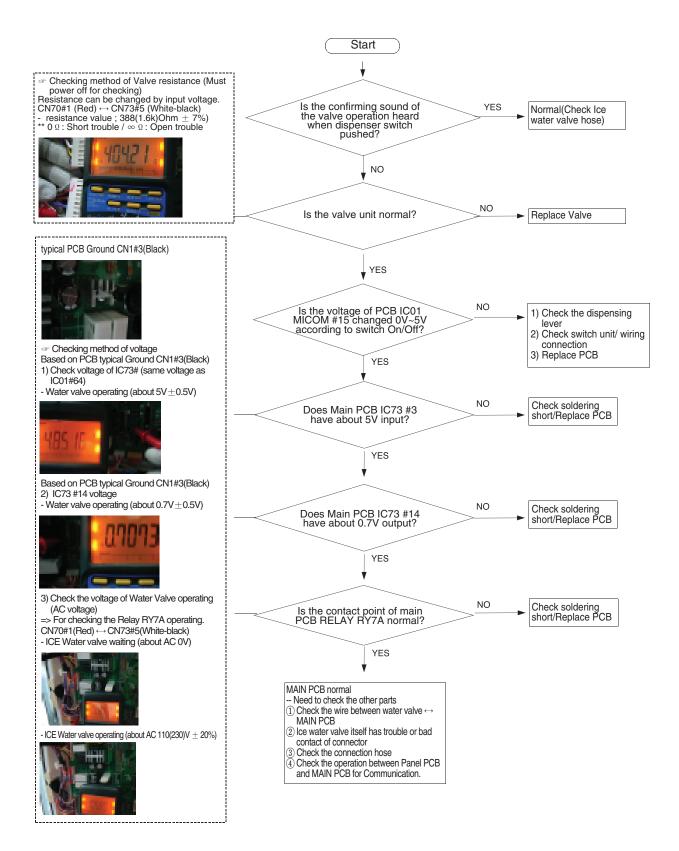
4-2-12. If ICE Water is not supplied

- 1. Please shut the water supplying prior to repair.
- 2. Power is applied to the one end of wires. Be careful when disassembling not to get an electric shock.

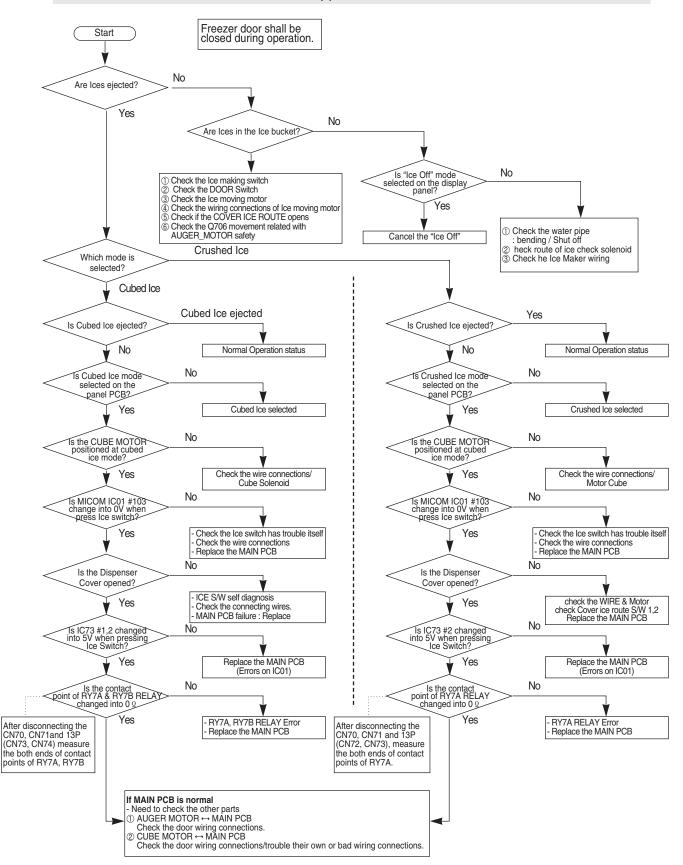
Typical PCB Ground REG1 Heater Sink



4-2-13. If Water is not supplied



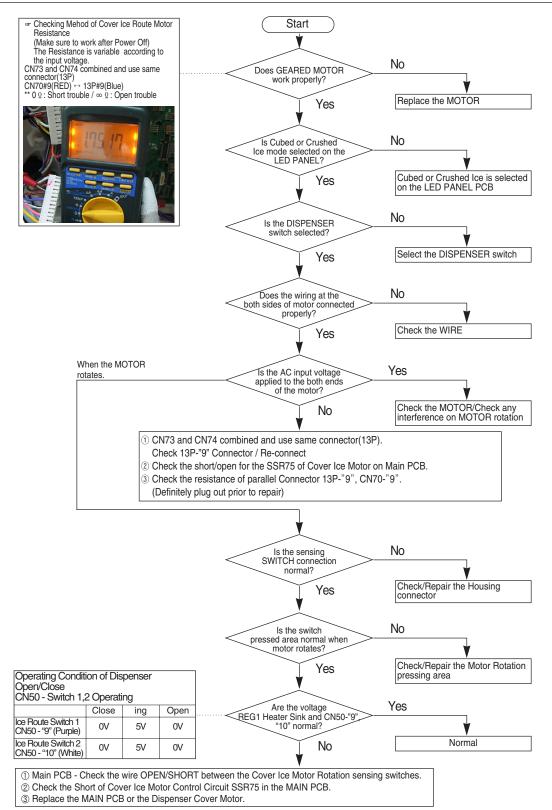
4-2-14. If Cubed or Crushed Ice is not supplied



4-2-15. If Cover Ice Route Moor(Geard Motor) is not working normally

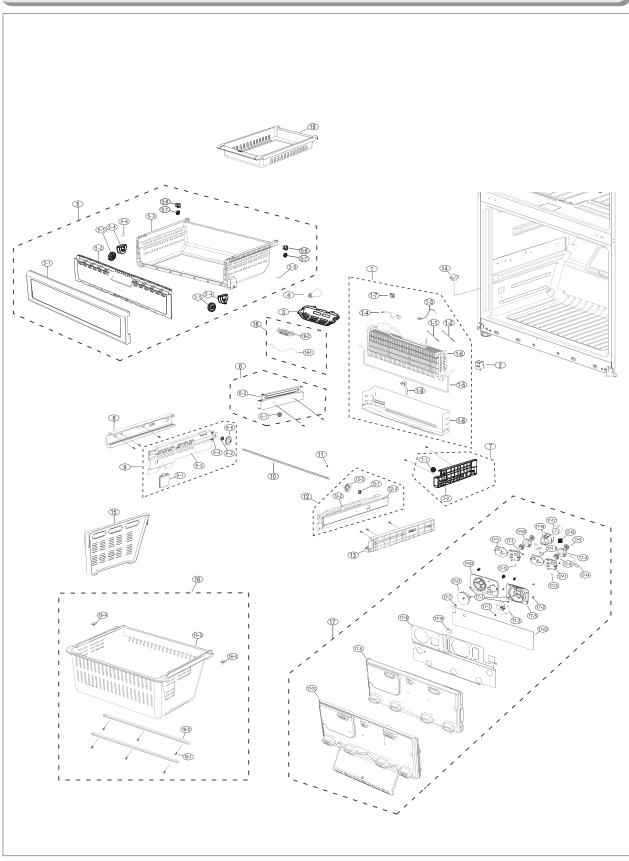
Caution

- 1. When replacing the Cover Ice Motor, pull out the plug to avoid an electric shock.
- 2. Be careful! When disassemble the Cover Ice Motor, spring can jumped out and may cause personal injury.
- 3. Motor will rotate continuously when the Motor Switch is not sensed.



i-1) FREEZER · · · · · · · · · · · · · · · · · · ·	84
-2) REFRIGERATOR	87
э-3) CABINET	93
-4) DISASSEMBLY OF FREEZE DOOR	97
5-5) DISASSEMBLY OF REFRIGERATOR DOOR LEFT	00
-6) DISASSEMBLY OF REFRIGERATOR DOOR RIGHT	03

5-1) Freezer



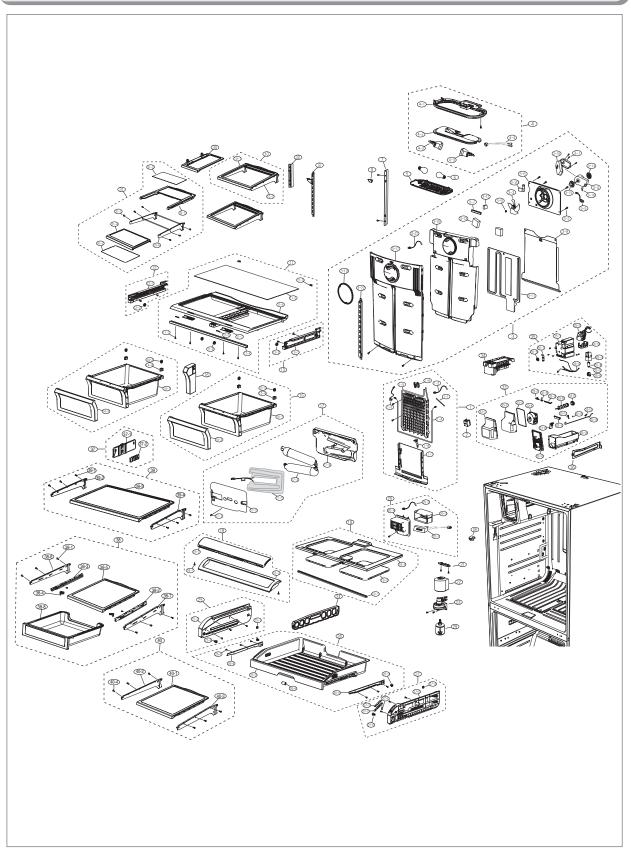
Parts List of Freezer

NO	CODE-NO	PART NAME	SPEC	QUAN	SGEC CODE	REMARK
1		ASSY EVAP FRE	AW-PJT(265,636)115V,240W	1	DA96-00460A	
1-1	6501-000123		DACT-140,W3.6,L146,NTR,NYLON66	3	same as SEM	
		SENSOR TEMP-F-DEF	502AT,08'AW-PJT,5V,F DEF Sensor, YEL,500MM	1	same as SEM	
		THERMO BIMETAL-PROTECTOR	AW-PJT(F),BT-121-M,PW-5M1N,100 10	1	same as SEM	
		HEATER-METAL SHEATH	AW-PJT,240W,115V,1.2, F-ROOM, Sealed Connector	1	same as SEM	
	DA47-00244A DA59-00382A		AW-PJT(265,266)	1	DA59-00358A	
		FIXER-SENSOR EVAP	AW-PJT,PP,NATURAL	1	DA59-00358A	
1-0		PLATE-EVAP HEATER		1	DA61-02901A	
			AW-PJT,GALVA,T0.3			
2		COVER-FIXER HOUSING V	AW-PJT,GALVA,	1	DA63-02902B	
3		COVER-LAMP FRE	AW-PJT,PC,TRANSPARENCY	1	DA63-04296A	
4		LAMP-INCANDESCENT	120V,500mA,60W,47x84mm	1	same as SEM	
		ASSY-SUPPORT ICE MAKER	AW-PJT	1	same as SEM	
		ICE MAKER-ASSY	NTGN,DC12V	1	same as SEM	
		SCREW-TAPPING	PH,+,PI3,L15,PASS,STS430,2S	1	same as SEM	
	DA61-00954B		AW,ABS,NTR	1	same as SEM	
		FIXER-SENSOR(ICE MAKER)	AD,URETHANE	1	same as SEM	
		SUPPORT-ICE MAKER	AW-PJT,ABS / SR-0340M,T2.5,112,280,WHITE	1	same as SEM	
		COVER-SENSOR	AD,PP,T1.0,WHITE	1	same as SEM	
5-7	DA63-02284B		AD,PP,NTR,BJ73SLW180	1	same as SEM	
6		COVER-ICE MAKER	AW,265,HIPS,COOL WHITE	1	DA63-03613A	
7		ASSY CASE-ICE CUBE	AW-SEM	1	DA97-04845A	
7-1	DA61-04757A	CASE-ICE CUBE	AW,PP,COOL WHITE	1	DA61-03189A	
7-2	DA67-02115A	SCOOP ICE	AW-SEM,PP,COOL WHITE	1	DA67-01231A	
8	DA97-07040A	ASSY TRAY-FRE UPP	AW-PJT(265,266)	1	DA97-06259A	
8-1	DA63-04625A	COVER-TRAY FRE UPP A	AW-PJT,HIPS,COOL WHITE	1	DA63-04115A	
8-2	DA63-04620A	COVER-TRAY FRE UPP B	AW,GPPS,NATURAL	1	DA63-03436A	
8-3	DA63-04638A	TRAY FRE-UPP	AW-PJT(265,266),HIPS,COOL WHITE	1	DA63-04113A	
8-4	DA61-04813A	FIXER-ROLLER TRAY FRE UPP	AW-PJT,NY-66,NATURAL	2	DA61-04154A	
8-5	DA66-00639A	ROLLER-TRAY FRE UPP	POM,NATURAL	2	DA66-00554A	
8-6	DA63-40167A	GROMMET-COVER CHIL	SILICON,WHITE	2	same as SEM	
8-7	DA61-04804A	ROLLER-FRE	POM,NATURAL	2	DA66-10104A	
8-8	DA61-04805A	FIXER-ROLLER	NY-66Å,NATURAL	2	DA71-20145A	
9	DA97-07022A	ASSY RAIL-SLIDE UPP L	AW-PJT	1	DA97-06083A	
9-1	DA61-04804A	ROLLER-FRE	AW-PJT,NY-66,NATURAL	1	DA66-10104A	
9-2	DA61-04811A	RAIL-SLIDE UPP L	AW-PJT,ABS,COOL WHITE	1	DA61-04108A	
		ASSY RAIL-SLIDE UPP R	AW-PJT	1	DA97-06084A	
	DA61-04804A		AW-PJT,NY-66,NATURAL	1	DA66-10104A	
		RAIL-SLIDE UPP R	AW-PJT,ABS,COOL WHITE	1	DA61-04109A	
		COVER-RAIL LOW L	AW-PJT.ABS.COOL WHITE	1	DA63-03414A	
		ASSY RAIL-SLIDE LOW L	AW-PJT	1	DA97-04836A	
		SWITCH PRESSURE	AW-PJT,COOL WHITE	1	DA34-00047A	
	DA61-04801A		AW-PJT,POM,NATURAL	1	DA61-03154A	
		RAIL-SLIDE LOW L	AW-PJT,STS430	1	same as SEM	
-	DA66-00636A		AW-PJT,POM,NATURAL	1	DA66-00436A	
	DA66-00437A		AW-9JT, SM25C	1	same as SEM	
		CAP-HINGE HOLE	AW-131,500255 AW-PJT,ABS,BLACK	1	DA67-00859C	
		ASSY RAIL-SLIDE LOW R	AW-9JT,ADO,BLACK	1	DA07-00839C	
	DA97-07004A DA61-04801A		AW-FJT AW-PJT,POM,NATURAL	1	DA97-04833A	
				-		
		RAIL-SLIDE LOW R	AW-PJT,STS430	1	same as SEM	
-	DA66-00635A			1	DA66-00435A	
		COVER-RAIL LOW R	AW-PJT,ABS,COOL WHITE	1	DA63-03415A	
17	DA97-07024A	ASSY TRAY-DRAWER BOX	AW-PJT	1	DA97-06258A	

Parts List of Freezer

NO	CODE-NO	PART NAME	SPEC	QUAN TITY	SGEC CODE	REMARK
17-1	6002-000213	SCREW-TAPPING	TH,+,1,M4,L12,ZPC(WHT),SWRCH18A		same as SEM	
		REINF-DRAWER BOX	AW-PJT,SHP1,T2.0,BLACK		DA61-03160A	
		TRAY-DRAWER BOX	AW-PJT,PP,COOL WHITE		DA63-04116A	
					same as SEM	
		SWITCH DOOR-F	slide,250V,0.5A,cool white		same as SEM	
		GUIDE-DRAWER BOX	AW-PJT,PP,COOL WHITE		DA61-03416A	
		ASSY COVER-SENSOR	AW-SEM		same as SEM	
		COVER-SENSOR	TALC PP,COOL WHITE(SC-02740R)		same as SEM	
	DA03-10407B		PX-41C,AW-PJT,5V,F-SENSOR,YEL		same as SEM	
20-2	DA32-000110	JENJON TEIVIF	FX-410,AVV-FJ1,5V,F-3EIV30R,TEL	1	Same as SEIVI	
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5-2) Refrigerator



Parts List of Refrigerator

NO	CODE-NO	PART NAME	SPEC	QUAN TITY	SGEC CODE	REMARK
1		ASSY EVAP REF	AW-PJT,115V	1	DA96-00461A	
1-1	6501-000123		DACT-140,W3.6,L146,NTR,NYLON66	4	same as SEM	
-		SENSOR TEMP-R-DEF	AW-PJT,-40~110°C,5V,R-DEF-SENSOR,YEL,400MM	1	same as SEM	
		THERMO BIMETAL-PROTECTOR	BT-121-M,PW-5M1N,125/250V,10/5A,100 M	1	same as SEM	
		HEATER-METAL SHEATH	AW-PJT,120W,115V.2.2, R-ROOM,Sealed Connector	1	same as SEM	
	DA47-00244D DA59-00381A		AW-PJT	1	DA59-00357B	
	DA59-00381A DA61-04800A		AW-PJT,PP,NATURAL	1	DA61-03683A	
		PLATE-DRAIN REF	AW-PJT,GALVA,T0.3	1	DA61-03083A	
		PLATE-EVAP HEATER	AW-PJT,GALVA,10.3 AW-PJT,AL,T0.7	1	same as SEM	
2		COVER-FIXER HOUSING V	AW-PJT,GALVA,T0.3	1	DA63-02902B	
3		ASSY COVER-EVAP REF		1	DA03-02902B DA97-06197A	
-						
3-1		SCREW-TAPPING	TH,+,M4,L12,ZPC(WHT),SWRCH18A	3	same as SEM	
		SCREW-TAPPING	TH,+,M4.0,L16,ZPC(WHT),SWRCH18A	4	same as SEM	
		FAN-AX100W4CC-T1	AW-SEM,ABS	1	DA31-00124A	
L	DA31-00146H		DC12V,150mA,2.1W	1	DA31-00146C	
-		ASSY-HARNESS MOTOR	AW-PJT,R-Fan	1	same as SEM	
		CASE-MOTOR REF	AW-SEM, PP, NATURAL	1	DA61-03181A	
		GUIDE-INS EVAP REF	AW-PJT,ABS,NTR	1	same as SEM	
		PLATE-INS EVAP REF	AW-SEM,GALVALUME,T0.3	1	DA61-03186A	
		SPRING ETC-FAN	STS304,PI7.8,OD1.0,FD	1	same as SEM	
		INSULATION-EVAP REF	AW-SEM,FOAM-PS	1	DA62-01760A	
<u> </u>		INSULATION-EVAP REAR	AW-SEM,FOAM-PS	1	DA62-01382A	
-		INSULATION-EVAP SUB	AW-SEM,FOAM-PS	1	DA62-01383A	
		INSULATION-EVAP DUCT	AW-SEM,FOAM-PS	2	DA62-01423A	
		GROMMET-MOTOR,REAR	A-TOP,NBR,ID6.5,OD42,BLACK,BLDC,H20	1	same as SEM	
		GROMMET-MOTOR,FRONT	A-TOP,NBR,ID6.5,OD42,BLACK,BLDC,H20	1	same as SEM	
3-16	DA63-04651A	COVER MOTOR-BLDC	AW-SEM, PP, NATURAL	1	DA63-01809A	
3-17	DA63-04653A	COVER-EVAP REF	AW-SEM, PP, COOL WHITE	1	DA63-04139A	
3-18	DA63-40167A	GROMMET-COVER CHIL	SILICON,WHITE	1	same as SEM	
3-19	DA64-02065A	TRIM-COVER EVAP REF	AW-PJT,ABS	1	same as SEM	
3-20	DA61-04856A	PLATE-HOUSING REF	AW-PJT,GALVALUME,T0.3	1	DA61-03599A	
3-21	DA32-10105X		502AT,AW-PJT,-40~110°C,5V,F DEF Sensor	1	same as SEM	
4	DA97-07008A	ASSY CASE LAMP-REF	AW-SEM	1	DA97-04842E	
4-1	DA61-04797A	CASE-LAMP REF	AW-SEM,ABS,COOL WHITE	1	DA61-03163A	
4-2	DA61-04818A	PLATE-LAMP REF	AW-SEM,SBHG1,T0.4	1	DA61-03169A	
4-3	DA47-40001D	LAMP HOLDER-ASSY	E26,250V,660W,TE5006F	2	same as SEM	
4-4	DA47-00243D	THERMO BIMETAL-PROTECTOR	BT-121-M,PW-5M1N,10/5A,100 M	1	same as SEM	
5	DA63-04608A	COVER-LAMP REF	AW-SEM, PC, NATURAL	1	DA63-03773A	
6	4713-001223	LAMP-INCANDESCENT	120V,500mA,60W,47x84mm	2	same as SEM	
7	DA61-04781A	ANGLE-SHELF SIDE R	AW-SEM, SECC1, T2.0, COOL WHITE	2	DA61-03180A	
8	DA61-04847B	ANGLE-SHELF REF MID	AW-SEM,SECC1,T2.0,COOL WHITE	1	DA61-03179A	
9	DA67-02130A	CAP-ANGLE	AW-SEM,HIPS,COOL WHITE	1	DA67-01688A	
10		ASSY SHELF-GLASS REF FIX	AW-SEM	4	DA97-04850A	
-		SCREW-TAPPING	TH,+,B,M4,L8,ZPC(WHT),SWRCH18A,HD6.5,HT2	6	same as SEM	
		SHELF-GLASS REF FIX	AW,PP,INSERT	1	same as SEM	
		SHELF-HANGER REF L	AW-SEM,SECC1,WHITE	1	DA67-01608A	
		SHELF-HANGER REF R	AW-SEM,SECC1,WHITE	1	DA67-01609A	
		ASSY COVER-VEG REF	AW-SEM	1	DA97-05382A	
		SCREW-TAPPING	TH,+,M4,L12,ZPC(WHT),SWRCH18A	4	same as SEM	
		GLASS-COVER VEG	756*343,T3.2,1° PRINT	1	same as SEM	
		FIXER-COVER VEG	AW-SEM, TALC PP, COOL WHITE	2	DA61-03166A	
		REINF-COVER VEG	AW-SEM,SHP1,T2.0,BLACK	1	DA61-03173A	

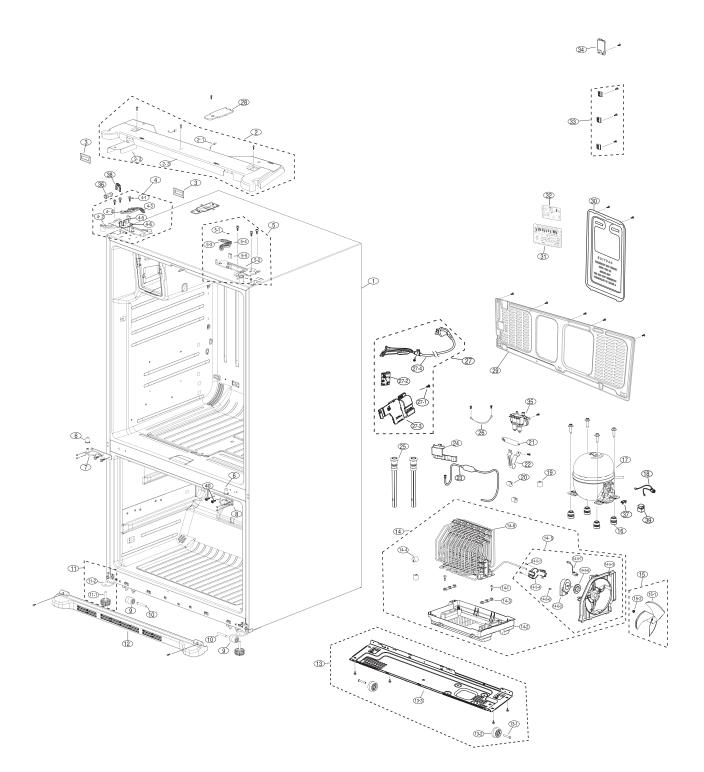
Parts List of Refrigerator

NO CODE-NO F	PART NAME	SPEC		SGEC CODE	REMARK
11-5 DA63-04609A COVER-V	EG REF	AW-SEM,HIPS,COOL WHITE	1	DA63-03761A	
11-6 DA64-00817A KNOB-HU		QUEEN,ABS	2	same as SEM	
11-7 DA66-00638A LEVER-H		AW-SEM,TALC PP,COOL WHITE	2	DA66-00438A	
11-8 DA61-04804A ROLLER-		AW-SEM, POM, NATURAL	2	DA66-10104A	
12 DA97-07006A ASSY RA		AW-SEM	1	DA97-04839A	
12-1 DA61-04802A RAIL-VEG		AW-SEM, TALC PP, COOL WHITE	1	DA61-03172A	
12-2 DA61-04804A ROLLER-		AW-SEM, FALCE FF, GOOL WHITE AW-SEM, POM, NATURAL	1	DA66-10104A	
13 DA97-07007A ASSY RA		AW-SEM, FOM, NATORAL AW-SEM	1	DA00-10104A	
		AW-SEM AW-SEM, TALC PP, COOL WHITE	1	DA97-04640A DA61-03177A	
13-1 DA61-04803A RAIL-VEG		AW-SEM, TALC PP, COOL WHITE AW-SEM, POM, NATURAL			
13-2 DA61-04804A ROLLER-		AW-SEM	1	DA66-10104A	
14 DA97-07009A ASSY CA			1	DA97-04846A	
14-1 DA61-04798A CASE-VE		AW-SEM,SAN,NATURAL	1	DA61-03165A	
14-2 DA63-04610A COVER-V		AW-SEM,HIPS,COOL WHITE	1	DA63-03426A	
14-3 DA61-04804A ROLLER-		AW-SEM, POM, NATURAL	2	DA66-10104A	
14-4 DA61-04805A FIXER-RC		AW-SEM,NY-66,NATURAL	2	DA71-20145A	
15 DA97-07018A ASSY CA		AW-SEM	1	DA97-05381A	
15-1 DA61-04807A CASE-VE		AW-SEM,SAN,NATURAL	1	DA61-03652A	
15-2 DA63-04613A COVER-V		AW-SEM,HIPS,COOL WHITE	1	DA63-03760A	
15-3 DA61-04804A ROLLER-		AW-SEM,POM,NATURAL	2	DA66-10104A	
15-4 DA61-04805A FIXER-RC	DLLER	AW-SEM,NY-66,NATURAL	2	DA71-20145A	
16 DA97-07021A ASSY PA	RTITION-VEG	AW-SEM	1	DA97-05465A	
17 DA97-07129B ASSY CO	VER T/WATER	AW-PJT	1	same as SEM	
17-1 6002-000213 SCREW-T	APPING	TH,+,M4,L12,ZPC(WHT),SWRCH18A	2	same as SEM	
17-2 DA63-04674A COVER-H	EATER WATER TANK	AW-PJT,PP,NATURAL	1	same as SEM	
17-3 DA63-04677A COVER-V	VATER TANK	AW-PJT,PP,COOL WHITE	1	same as SEM	
17-4 DA97-07150B ASSY TAM	NK WATER	AW-PJT	1	same as SEM	
18 DA97-06995A ASSY CO	VER-DISPENSER	AW-SEM	1	DA97-04952B	
18-1 DA63-04587A COVER-D	ISPENSER	AW-SEM,ABS,COOL WHITE	1	DA63-03516B	
18-2 DA64-02734A BUTTON-		AW-SEM, PP, COOL WHITE	1	DA64-02113A	
18-3 DA73-00230A RUBBER-	COVER-DISPENSER	AW-PJT,SILICON,40±5°,GRAY	1	same as SEM	
19 DA61-04756A FIXER-WA		AW,PP,COOL WHITE	1	DA61-03327A	
20 DA66-00626A LEVER-C		AW-SEM,POM,NTR	1	DA66-00451A	
21 DA34-00011A SWITCH-I		VP533A-OF-5,MICRO,250V,15A,PBT,GP1006F	1	same as SEM	
22 DA97-07020A ASSY CO		AW-SEM	1	DA97-05383C	
22-1 DA63-40167A GROMME		SILICON,WHITE			
22-2 DA63-04614A COVER-S		AW-SEM(SAMSUNG),GPPS,NATURAL	1	DA63-03764A	
22-3 DA63-04615A COVER-S		AW-SEM(SAMSUNG), ABS, COOL WHITE	1	DA63-03765A	
23 DA97-07015A ASSY SH		AW-SEM	1	DA00 00700A	
23-1 DA61-04822A REINF-SH		AW-SEM,SECC1,T1.0,BLACK	1	DA61-03174A	
23-2 DA67-02139A SHELF-P/		AW-SEM,HIPS,COOL WHITE	1	DA67-01781A	
23-3 DA64-02740A WINDOW		AW-SEM,GPPS,NATURAL	2	DA64-02235A	
24 DA97-07189A ASSY CO		AW-SEM	1	DA04-02233A DA97-06324A	
24 DA97-07189A ASSI CO 24-1 DA31-00071C MOTOR D		DC 12V,MAX 600mA	1		
				same as SEM	
24-2 DA32-00006R SENSOR		PX-41C, 502AT,AW-PJT,-40~110°C,5V	1	same as SEM	
24-3 DA62-02057A INSULATIO		AW-SEM,FOAM-PS	1	DA62-01380A	
24-4 DA63-04655A COVER-M		AW-SEM,PP,COOL WHITE	1	DA63-04274A	
25 DA61-04795A GUIDE-FF		AW-SEM, PC-ABS, COOL WHITE	1	DA61-03202A	
26 DA63-04150B COVER-F		AW-SEM,HIPS,COOL WHITE	1	DA63-04150A	
27 DA97-06317A ASSY CA		AW-PJT	1	same as SEM	
28 DA61-04794A GUIDE-PA		AW-SEM,TALC PP,COOL WHITE	1	DA61-03167A	
29 DA97-07016A ASSY CO		AW-PJT	1	DA97-05371B	
29-1 DA61-03176A SUPPOR	I-KOLLER PANTRY	AW-P8819NBR,PVC	1	same as SEM	

Parts List of Refrigerator

		j				
NO	CODE-NO	PART NAME	SPEC	QUAN TITY	SGEC CODE	REMARK
29-2	DA63-04611A	COVER-RAIL PANTRY L	AW-SEM,HIPS,COOL WHITE	1	DA63-03762A	
		ASSY-ROLLER A	AW2-PJT, 24mm	1	same as SEM	
		ASSY CASE-PANTRY	AW-SEM	1	DA97-04847D	
		SCREW-TAPPING	TH,+,M4,L12,ZPC(WHT),SWRCH18A	6	same as SEM	
	DA61-04806A		AW-SEM,HIPS,COOL WHITE	1	DA61-03164A	
		ASSY-ROLLER B	AW2-PJT, 17mm	2	same as SEM	
		ASSY RAIL-PANTRY L	AW-SEM	1	DA97-04837A	
		ASSY RAIL-PANTRY R	AW-SEM	1	DA97-04838A	
		ROLLER-PANTRY	AW-PJT,POM,NATURAL	1	DA66-00580A	
		ASSY COVER-RAIL PANTRY R	AW-SEM	1	DA97-05384C	
		SCREW-TAPPING	PH,+,2S,M3,L8,ZPC(WHT),SWRCH18A	1	same as SEM	
		PBA PANEL-PANTRY	AW-PJT,PANTRY ROOM BLUE WIN,12V	1	same as SEM	
		INLAY-CONTROL PANEL	AW-PJT	1	same as SEM	
		SUPPORT-ROLLER PANTRY				
		COVER-RAIL PANTRY R	AW-PJT,NBR,PVC AW-SEM,HIPS,COOL WHITE	1	same as SEM DA63-03763A	
				1		
		ASSY-ROLLER A	AW2-PJT, 24mm	1	same as SEM	
32	DA29-00003B	FILTER WATER-ASSY	A-TOP,86*86*167,NSF53	1	same as SEM	
				-		
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<u> </u>						

5-3) Cabinet



Parts List of Cabinet

NO	CODE-NO	PART NAME	SPEC	QUAN TITY	SGEC CODE	REMARK
1	DA90-05502A	ASSY CABINET FORM	AW-SEM(INVERTER), RF266, REAL STAINLESS, PLATINUM INOX	1	DA90-03646V	
1		ASSY CABINET FORM	AW-SEM(INVERTER), RF266, BLACK	1	DA90-03646V	
1		ASSY CABINET FORM	AW-SEM(INVERTER), RF266, SNOW WHITE	1	DA90-03646V	
1		ASSY CABINET FORM	AW-SEM(INVERTER), RF265, REAL STAINLESS, PLATINUM INOX	1	DA90-03646Q	
1		ASSY CABINET FORM	AW-SEM(INVERTER), RF265, BLACK	1	DA90-03646Q	
1		ASSY CABINET FORM	AW-SEM(INVERTER), RF265, SNOW WHITE	1	DA90-03646Q	
2		ASSY-TOP TABLE	AW-SEM(265,266)- Inverter, CREAMY-STS	1	DA97-04901M	
2-1		SCREW-TAPPING	PH,+,2S,M3,L8,ZPC(WHT),SWRCH18A	3	same as SEM	
2-2		SCREW-TAPPING	FH,+,M4,L14,ZPC(WHT),SWRCH18A	2	same as SEM	
		SWITCH REED-ASS'Y	200VDC,0.5A,MDCG-4 type	2	same as SEM	
	DA41-00412H		AW INVERTER(°F)BLUE LED,(°F),12V, 5V,60Hz,N	1	same as SEM	
		CASE-PBA DISPLAY	AW-SEM,ABS,COOL WHITE	1	DA61-03194B	
		PLATE-TOP TABLE	AW-SEM(265),SBHG1,T0.3	1	DA61-04052A	
	DA64-02736A		AW-SEM(265),ABS,CREAMY-STS	1	DA64-02066B	
		BUTTON-CONTROL	AW-SEM,GPPS,NTR,GPPS (HF-2660S)	1	same as SEM	
	DA64-02076E		AW-PJT,PC,0.25,28,300	1	same as SEM	
2		ASSY-TOP TABLE	AW-SEM(265,266)- Inverter,i-BLACK	1	DA97-04901M	
2-1		SCREW-TAPPING	PH,+,2S,M3,L8,ZPC(WHT),SWRCH18A	3	same as SEM	
2-2		SCREW-TAPPING	FH,+,M4,L14,ZPC(WHT),SWRCH18A	2	same as SEM	
		SWITCH REED-ASS'Y	200VDC,0.5A,MDCG-4 type	2	same as SEM	
	DA34-00043D		300*24.5*1.6T,BLUE LED,12V, 5V,60Hz	1	same as SEM	
		CASE-PBA DISPLAY	AW-SEM,ABS,COOL WHITE	1	DA61-03194B	
		PLATE-TOP TABLE	AW-SEM(265),SBHG1,T0.3	1	DA61-03134D	
2-0	DA01-04783A		AW-SEIV(265),ABS,I-BLACK	1	DA01-04032A DA64-02066B	
		BUTTON-CONTROL	AW-SEIVI(200),A03,H0LAOK AW-SEIVI(200),A03,H0LAOK	1	same as SEM	
	DA04-02738A DA64-02076E		AW-95LW,GFF3,NTH,GFF3 (HF-20003)	1	same as SEM	
2-9		ASSY-TOP TABLE	AW-F31,FC,0.25,26,500 AW-SEM(265.266)- Inverter,Snow-White	1	DA97-04901M	
2-1		SCREW-TAPPING	PH,+,2S,M3,L8,ZPC(WHT),SWRCH18A	3	same as SEM	
2-1		SCREW-TAPPING	FH,+,M4,L14,ZPC(WHT),SWRCH18A	2	same as SEM	
		SWITCH REED-ASS'Y	200VDC,0.5A,MDCG-4 type	2	same as SEM	
	DA34-00043D DA41-00412H		300*24.5*1.6T,BLUE LED,12V, 5V,60Hz	1	same as SEM	
		CASE-PBA DISPLAY	AW-SEM,ABS,COOL WHITE	1	DA61-03194B	
		PLATE-TOP TABLE	AW-SEW(,ABS,COOL WHITE AW-SEM(265),SBHG1,T0.3	1	DA01-03194D DA61-04052A	
	DA01-04783A DA64-02736C		AW-SEIV(205), ABS, SNOW WHITE	1	DA01-04032A DA64-02066B	
		BUTTON-CONTROL	AW-SEM(200),A03,SNOW WITTE AW-SEM,GPPS,NTR,GPPS (HF-2660S)	1	same as SEM	
	DA64-02738A		AW-SEM, GFT-3, MTR, GFT-20003) AW-PJT, PC, 0.25, 28, 300	1	same as SEM	
	DA67-02076E		AW-SEM.ABS.CREAMY STS	1	DA67-01613B	
	DA07-02131A		AW-SEIVI,ADS,CHEAIVIT STS AW-SEIVI,ADS,BLACK	1	DA67-01013B	
	DA67-02131D		AW-SEM, ADS, BLACK AW-SEM, ABS, WHITE	1	DA67-01613B	
				1	DA07-01013B	
		ASSY HINGE UPP-L		1	same as SEM	
	DA60-00162A	FASTENER-RING	AW-PJT,STS304,ID5,T0.5,OD11,BLACK	-		
		SPRING ETC-AUTO CLOSE	AW-SEM,SHP1,T2.9,BLACK,ELECTRODEPOSITON	1	DA61-03239A	
			AW-PJT,STS604,1.4,9.2,12,-,24,	1	same as SEM	
		ASSY LEVER-AUTO CLOSE	AW-SEM,CREAMY STS(SC-07009R)	1	DA97-04903B	
		GROMMET-LEVER ASSY HINGE UPP-L	AW-PJT,NBR,BLACK	1	same as SEM	
				1	DA97-04874B	
			AW-PJT,STS304,ID5,T0.5,OD11,BLACK	1	same as SEM	
	DA61-04771A		AW-SEM,SHP1,T2.9,BLACK,ELECTRODEPOSITON	1	DA61-03239A	
		SPRING ETC-AUTO CLOSE	AW-PJT,STS604,1.4,9.2,12,-24,	1	same as SEM	
		ASSY LEVER-AUTO CLOSE	AW-SEM,I-BLACK(SC-00477R)	1	DA97-04903B	
			AW-PJT,NBR,BLACK	1	same as SEM	
4	DA97-06998C	ASSY HINGE UPP-L	AW-SEM,WHITE	1	DA97-04874B	

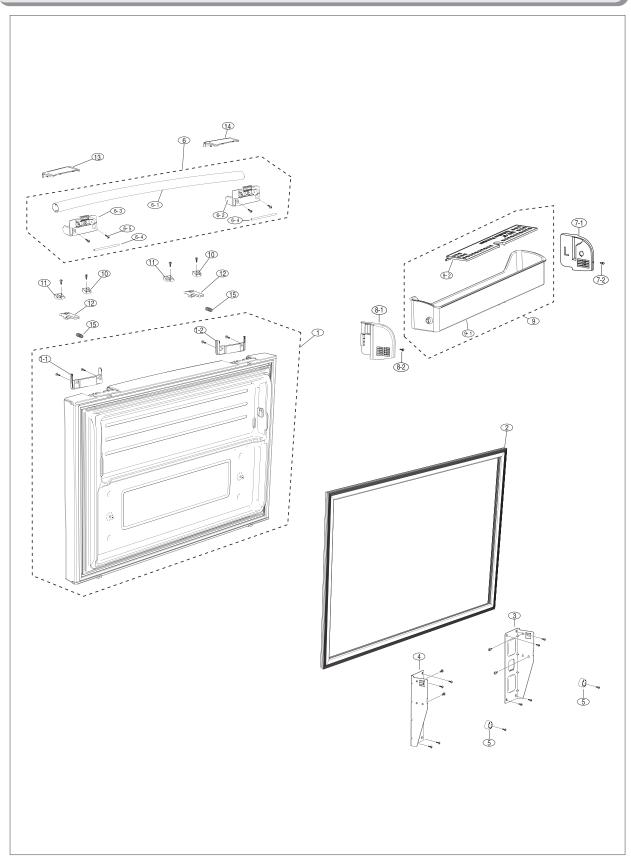
Parts List of Cabinet

NO	CODE-NO	PART NAME	SPEC	QUAN TITY	SGEC CODE	REMARK
4-1	DA60-00162A	FASTENER-RING	AW-PJT,STS304,ID5,T0.5,OD11,BLACK	1	same as SEM	
4-2	DA61-04771A	HINGE-UPP L	AW-SEM,SHP1,T2.9,BLACK,ELECTRODEPOSITON	1	DA61-03239A	
4-3	DA61-03301A	SPRING ETC-AUTO CLOSE	AW-PJT,STS604,1.4,9.2,12,-,24,	1	same as SEM	
4-4	DA97-07026C	ASSY LEVER-AUTO CLOSE	AW-SEM, SNOW WHITE	1	DA97-04903B	
4-5	DA63-03673A	GROMMET-LEVER	AW-PJT,NBR,BLACK	1	same as SEM	
5		ASSY HINGE UPP-R	AW-SEM(BEST),T2.9,CREAMY STS(SC-07009R)	1	DA97-04875B	
5-1		FASTENER-RING	AW-PJT,STS304,ID5,T0.5,OD11,BLACK	1	same as SEM	
	DA61-04774A		AW-SEM,SHP1,T2.9,BLACK,ELECTRODEPOSITON	1	DA61-03240A	
		SPRING ETC-AUTO CLOSE	AW-PJT,HSWR,1.4,9.2,12,17 3/4	1	same as SEM	
		ASSY LEVER-AUTO CLOSE	AW-SEM,CREAMY STS(SC-07009R)	1	DA97-04903B	
		GROMMET-LEVER	NBR,BLACK	1	same as SEM	
		ASSY HINGE UPP-R	AW-SEM(BEST),T2.9,I-BLACK(SC-00477R)	1	DA97-04875B	
		FASTENER-RING	AW-PJT,STS304,ID5,T0.5,OD11,BLACK	1	same as SEM	
	DA61-04774A		AW-SEM,SHP1,T2.9,BLACK,ELECTRODEPOSITON	1	DA61-03240A	
		SPRING ETC-AUTO CLOSE	AW-PJT,HSWR,1.4,9.2,12,17 3/4	1	same as SEM	
		ASSY LEVER-AUTO CLOSE	AW-SEM,I-BLACK(SC-00477R)	1	DA97-04903B	
		GROMMET-LEVER	NBR,BLACK	1	same as SEM	
5		ASSY HINGE UPP-R	AW-SEM(BEST),T2.9,SNOW WHITE	1	DA97-04875B	
		FASTENER-RING	AW-9JT,STS304,ID5,T0.5,OD11,BLACK	1		
5-1				-	same as SEM	
	DA61-04774A		AW-SEM,SHP1,T2.9,BLACK,ELECTRODEPOSITON	1	DA61-03240A	
		SPRING ETC-AUTO CLOSE	AW-PJT,HSWR,1.4,9.2,12,17 3/4	1	same as SEM	
		ASSY LEVER-AUTO CLOSE	AW-SEM,SNOW WHITE	1	DA97-04903B	
		GROMMET-LEVER	NBR,BLACK	1	same as SEM	
6		GROMMET HINGE-MID R	AW-SEM,POM,WHITE	2	DA63-02905A	
7		ASSY HINGE MID-L	AW-PJT,T4.5,Ni-Cr Plated	1	same as SEM	
8		ASSY HINGE MID-R	AW-PJT,T4.5,Ni-Cr Plated	1	same as SEM	
9	DA61-04702A		AW-PJT,NTR,PP+TPE	2	DA61-40115B	
10	DA61-01920A	CASTER-RIVET	ZPC2,MSWR10,OD8.0,L54	2	DA60-90124A	
11		ASSY SUPPORT-FOOT FRONT	AW-PJT	2	DA97-05016A	
11-1	DA61-04721A	FOOT-FRONT	AW-PJT,PP,NTR	2	DA61-00805C	
11-2	DA61-03217A	SUPPORT-FOOT FRONT	AW-PJT,SHP1,T4.0,BLACK	2	same as SEM	
12	DA63-05079A	COVER-LEG FRONT	AW-SEM(INVERTER), PP, Creamy STS, DA63-03434A	1	DA63-03434B	
12	DA63-05079B	COVER-LEG FRONT	AW-SEM(INVERTER), PP, I-BLACK (SC-00477R)	1	DA63-03434B	
12	DA63-05079C	COVER-LEG FRONT	AW-SEM(INVERTER),PP,SNOW WHITE	1	DA63-03434B	
13	DA97-06969A	ASSY CHASSIS-COMP	AW-PJT	1	DA97-02064B	
13-1	DA66-00649A	SHAFT-CASTER	AW-PJT,MSWR10,L46,OD8.2,ZPC2	2	DA60-90146A	
13-2	DA61-04703A	CASTER-REAR	AW-PJT,PP,NTR,PP+TPE	2	DA61-40126B	
13-3	DA64-02735A	CHASSIS COMP	AW-PJT,SGHC,T1.4	1	DA64-01170A	
		ASSY TRAY DRAIN WATER	AW-SEM	1	DA97-05043B	
		SCREW-SPECIAL	PH,+,M4.0,L20(12),ZPC(WHT),SWRCH18A,TAPP 1	4	same as SEM	
		TRAY DRAIN-WATER	AW-SEM,PP,NATURAL	1	DA63-03450A	
		GROMMET-SUB COND	NBR.DARK-GRAY	2	same as SEM	
		GROMMET-SUCT PIPE A	NBR.OD20.ID4.L20.Brow	2	same as SEM	
		ASSY SUPPORT-CIRCUIT MOTOR	AW-SEM	1	DA97-03145K	
		SCREW-TAPPING	BH,+,B,M4,L10,ZPC(BLK),SWRCH18A	2	same as SEM	
	DA31-00146B		DRCP5030LA,1560,DC12V,230mA,2.7W	1	same as SEM	
		SUPPORT-CIRCUIT MOTOR	AW-SEM, ABS, NATURAL	1	DA61-02349B	
		BRACKET-CIRCUIT MOTOR	AW-SEM, ABS, NATURAL			
				1	DA61-02355B	
		GROMMET-MOTOR,REAR	A-TOP,NBR,ID6.5,OD42,BLK,BLDC	2	same as SEM	
		GROMMET-COVER CHIL		1	same as SEM	
		ASSY-HARNESS MOTOR	A-TOP, UL(MOTOR),C-FAN,350MM	1	same as SEM	
14-6	DA97-06988A	ASSY PIPE-SPIRAL COND	AW-SEM	1	DA97-05093A	

Parts List of Cabinet

NO	CODE-NO	PART NAME	SPEC	QUANTITY	SGEC CODE	REMARK
15	DA96-00504A	ASSY FAN-CIRCUIT	AW-SEM	1	DA31-00010D	
15-1			AW-SEM,ABS+GLASSFIBER	1	DA31-00015C	
15-2		SPRING ETC-FAN	STS304,PI7.8,OD1.0	1	same as SEM	
16		GROMMET COMP	USP05,EPDM,OD18.5,BLACK	4	same as SEM	COMP ACCESARY
17	BK190CL2C/E02		115V~60HZ,BLDC,FAN,BK-II	1	MK172DR2U/E09	
18		WIRE HARNESS-COMP	PVC TUBE, YLP-06V, 360, 300, KS IEC 30/0.18	1	same as SEM	
19		GROMMET-SUCT PIPE A	NBR,OD20,ID4,L20,Brown	1	same as SEM	
20		GROMMET-SUCT PIPE B	RAIL L19.5,NR,OD20,ID6,Brown	2	same as SEM	
21	DA62-01514A		C1220T,OD18.70,L114	1	same as SEM	
22	DA61-04945A		AW-PJT,SBHG1,T0.4	1	DA61-02657A	
23		ASSY PIPE CONNECT-SUCTION	AW-31,00101,10.4 AW-SEM,Inverter,DA97-00918A	1	DA01-02037A	
23		FIXER-HOSE(VALVE)	AW-SEM, PP, NATURAL	1	DA97-00003A	
		· · · · · · · · · · · · · · · · · · ·	AW-SEIVI,FF,INATORAL AW-PJT	2		
25		ASSY CAP-DRAIN			DA97-04049A	
26		VALVE WATER-ONE WAY FITTING		1	same as SEM	
27		WIRE HARNESS-EARTH	GREEN/YEL,UL 1015 AWG18	1	same as SEM	
28		ASSY COVER-NOISE FILTER	AW-SEM(INVERTER)	DA97-05147A		
27-1		SCREW-TAPPING	TH,+,M4,L8,ZPC(WHT),SWRCH18A	same as SEM		
27-2			FA2107L-B,5mH,+50%,-30%,10A,38*50,CAN TYPE	same as SEM		
27-3		COVER-NOISE FILTER	AW-SEM,PP,NON-FLAMMABLE	DA63-02907C		
27-4	DA39-10165E	CBF-POWER CORD	ET-PJT,SVT-3,SVT-3,125V,15A,L=2300,BLACK,UL	same as SEM		
29	DA97-00209H	ASSY PIPE-WATER	ET-PJT,115V	1	same as SEM	
29-1	DA63-02928A	GROMMET-WATER PIPE FILL, IN	NEXT,SILICON,NTR,FINAL	1	same as SEM	
29-2	DA73-00134B	PIPE-WATER FRE ASSY	W2-05,ASSY,L295	1	same as SEM	
30	DA97-06990A	ASSY COVER-PIPE WATER REAR	AW-SEM	1	DA97-05029B	
31	DA97-06987A	ASSY COVER COMP	AW-SEM	1	DA97-06321A	
32	DA97-07852A	ASSY COVER-PCB PANEL	AW-SEM,INVERTER	1	DA97-05031B	
33	DA41-00651A	PBA MAIN	266, INVERTER	1	same as SEM	
33	DA41-00651B	PBA MAIN	265, INVERTER	1	same as SEM	
34		PBA SUB-PBA INVERTER	INVERTER BOARD	1	same as SEM	
35	DA61-04712A		AW.PP	1	DA61-03467A	
36		COVER-TUBE FILTER	AW-SEM,PP	1	DA63-00586B	
37		VALVE WATER-FITTING	266	1	same as SEM	
38		RELAY PROTECTOR O/L	2000-S501,4TM435RFBYY,ST16.5A,UT4.28A	1	same as SEM	
39	DA63-04553A		NORYL, T2.0, SSEC, BLACK, HOOK, E-PTC	4	same as SEM	COMP ACCESARY
00			North, 12.0,0020,02401,110011, 2110			

5-4) Disassembly of Freeze Door



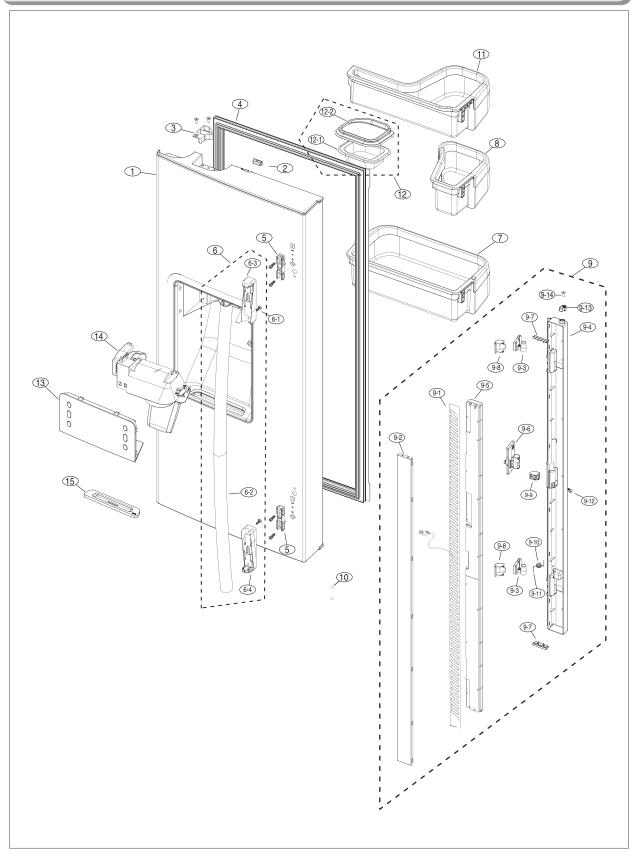
Parts List of Freezer Door

NO	CODE-NO	PART NAME	SPEC	QUAN TITY	SGEC CODE	REMARK
1	DA91-02826A	ASSY DOOR FOAM FRE	AW-SEM,REAL STAINLESS	1	DA91-02719E	
1-1	DA67-02143A	CAP DOOR-FRE SUB L	AW-PJT,ABS,CREAMY STS(SC-07009R)	1	DA67-02055B	
1-2	DA67-02142A	CAP DOOR-FRE SUB R	AW-PJT,ABS,CREAMY STS(SC-07009R)	1	DA67-02054B	
1	DA91-02826B	ASSY DOOR FOAM FRE	AW-SEM, PLATINUM INOX	1	DA91-02719E	
1-1	DA67-02143A	CAP DOOR-FRE SUB L	AW-PJT,ABS,CREAMY STS(SC-07009R)	1	DA67-02055B	
1-2	DA67-02142A	CAP DOOR-FRE SUB R	AW-PJT,ABS,CREAMY STS(SC-07009R)	1	DA67-02054B	
1	DA91-02826C	ASSY DOOR FOAM FRE	AW-SEM,BLACK	1	DA91-02719E	
1-1		CAP DOOR-FRE SUB L	AW-PJT,ABS,I-BLACK(SC-00477R)	1	DA67-02055B	
1-2		CAP DOOR-FRE SUB R	AW-PJT,ABS,I-BLACK(SC-00477R)	1	DA67-02054B	
1		ASSY DOOR FOAM FRE	AW-SEM,WHITE	1	DA91-02719E	
1-1		CAP DOOR-FRE SUB L	AW-PJT,ABS,SNOW WHITE	1	DA67-02055B	
		CAP DOOR-FRE SUB R	AW-PJT,ABS,SNOW WHITE	1	DA67-02054B	
2		ASSY-GASKET DOOR FRE	AW-SEM,GRAY	1	DA97-05557B	
2		ASSY-GASKET DOOR FRE	AW-SEM,BLACK	1	DA97-05557B	
3		HANGER-RAIL FRONT L	AW-PJT,SECC1,COOL WHITE	1	DA61-03153B	
4		HANGER-RAIL FRONT R	AW-PJT,SECC1,COOL WHITE	1	DA61-03155B	
5		SUPPORT-DOOR POSITION IN	AW-PJT,HIPS,NATURAL	2	DA61-02904B	
6		ASSY HANDLE-BAR FRE	AW-PJT,AL,NEW VERSAILLES-SILVER	1	same as SEM	
6-1		HANDLE-BAR FRE	AW-PJT.AL.724.Versailles-Silver	1	same as SEM	
6-2		CAP-HANDLE FRE L	AW-PJT,PC-ABE,CREAMY-STS	1	same as SEM	
		CAP-HANDLE FRE R	AW-PJT, PC-ABE, CREAMY-STS		same as SEM	
6-3 6-4		SHAFT-CAP HANDLE	AW-PJ1,PC-ADE,CHEAWY-S15 AW-PJT,MSWR10,108,5,ZPC3(Y)	1	same as SEM	
-						
6-5		SCREW-TAPPING	TH,+,1,M4,L12,ZPC(WHT),SWRCH18A	4	same as SEM	
6		ASSY HANDLE-BAR FRE	AW-PJT,AL,724,Versailles-Silver(sanding)	1	same as SEM	
6-1		HANDLE-BAR FRE	AW-PJT,AL,724,Versailles-Silver(sanding)	1	same as SEM	
6-2		CAP-HANDLE FRE L	AW-PJT,PC-ABE,CREAMY-STS	1	same as SEM	
6-3		CAP-HANDLE FRE R	AW-PJT,PC-ABE,CREAMY-STS	1	same as SEM	
6-4		SHAFT-CAP HANDLE	AW-PJT,MSWR10,108,5,ZPC3(Y)	2	same as SEM	
6-5		SCREW-TAPPING	TH,+,1,M4,L12,ZPC(WHT),SWRCH18A	4	same as SEM	
6		ASSY HANDLE-BAR FRE	AW-PJT,AL,MATURE-BLACK	1	same as SEM	
6-1		HANDLE-BAR FRE	AW-PJT,AL,724,MATURE-BLACK	1	same as SEM	
6-2		CAP-HANDLE FRE L	AW1-PJT,PC-ABS,I-BLACK	1	same as SEM	
6-3		CAP-HANDLE FRE R	AW1-PJT,PC-ABS,I-BLACK	1	same as SEM	
6-4		SHAFT-CAP HANDLE	AW-PJT,MSWR10,108,5,ZPC3(Y)	2	same as SEM	
		SCREW-TAPPING	TH,+,1,M4,L12,ZPC(WHT),SWRCH18A	4	same as SEM	
6	DA97-06429G	ASSY HANDLE-BAR FRE	AW-PJT,AL,SNOW-WHITE	1	same as SEM	
6-1	DA64-02527G	HANDLE-BAR FRE	AW-PJT,AL,SNOW-WHITE	1	same as SEM	
6-2	DA67-02060C	CAP-HANDLE FRE L	AW-PJT,PC,SNOW WHITE	1	same as SEM	
6-3	DA67-02061C	CAP-HANDLE FRE R	AW-PJT,PC,SNOW WHITE	1	same as SEM	
6-4	DA66-00579A	SHAFT-CAP HANDLE	AW-PJT,MSWR10,108,5,ZPC3(Y)	2	same as SEM	
6-5	6002-000213	SCREW-TAPPING	TH,+,1,M4,L12,ZPC(WHT),SWRCH18A	4	same as SEM	
7	DA97-07036A	ASSY SUPPORT-GUARD FRE L	AW-SEM	1	NEW	
7-1		SUPPORT-GUARD FRE L	AW-PJT,HIPS,COOL WHITE	1	DA61-03763A	
7-2		GROMMET-COVER CHILL	SILICON,L16,WHITE	1	same as SEM	
8		ASSY SUPPORT-GUARD FRE R	AW-SEM	1	NEW	
8-1		SUPPORT-GUARD FRE R	AW-PJT,HIPS,COOL WHITE	1	DA61-03763A	
-		GROMMET-COVER CHILL	SILICON,L16,WHITE	1	same as SEM	
9		ASSY GUARD FRE	AW-SEM	1	DA97-04880A	
9-1			AW-PJT,HIPS,COOL WHITE	1	DA63-03458A	
-		GUARD-FRE FLIP	AWPJT,TALC PP,COOL WHITE	1	DA63-03459A	
10		FIXER-SHAFT HANDLE L	AW-91, TACOT , COOL WITTE	2	DA03-03439A	
11		FIXER-SHAFT HANDLE R	AW-PJT,POM,NATURAL	2	DA01-04254A	

Parts List of Freezer Door

NO	CODE-NO	PART NAME	SPEC	QUAN TITY	SGEC CODE	REMARK
12	DA61-04839A	SLIDER-HANDLE FRE	AW-SEM,POM,CREAMY STS(SC-07009R)	2	DA61-04258C	
		SLIDER-HANDLE FRE	AW-SEM,POM,I-BLACK(SC-00477R)	1	DA61-04258C	
		SLIDER-HANDLE FRE	AW-SEM,POM,NTR	1	DA61-04258C	
		COVER-HANDLE FRE L	AW-PJT,ABS,CREAMY STS(SC-07009R)	1	DA63-04247B	
		COVER-HANDLE FRE L	AW-PJT,ABS,I-BLACK(SC-00477R)	1	DA63-04247B	
		COVER-HANDLE FRE L	AW-PJT,ABS,SNOW WHITE	1	DA63-04247B	
		COVER-HANDLE FRE R	AW-PJT,ABS,CREAMY STS(SC-07009R)	1	DA63-04248B	
		COVER-HANDLE FRE R	AW-PJT,ABS,I-BLACK(SC-00477R)	1	DA63-04248B	
		COVER-HANDLE FRE R	AW-PJT,ABS,SNOW WHITE	1	DA63-04248B	
		SPRING ETC-EASY HANDLE	AW-PJT.HSWR	2	same as SEM	
15	DA01-04000D			2	Same as OLIVI	

5-5) Disassembly of Refrigerator DoorLeft



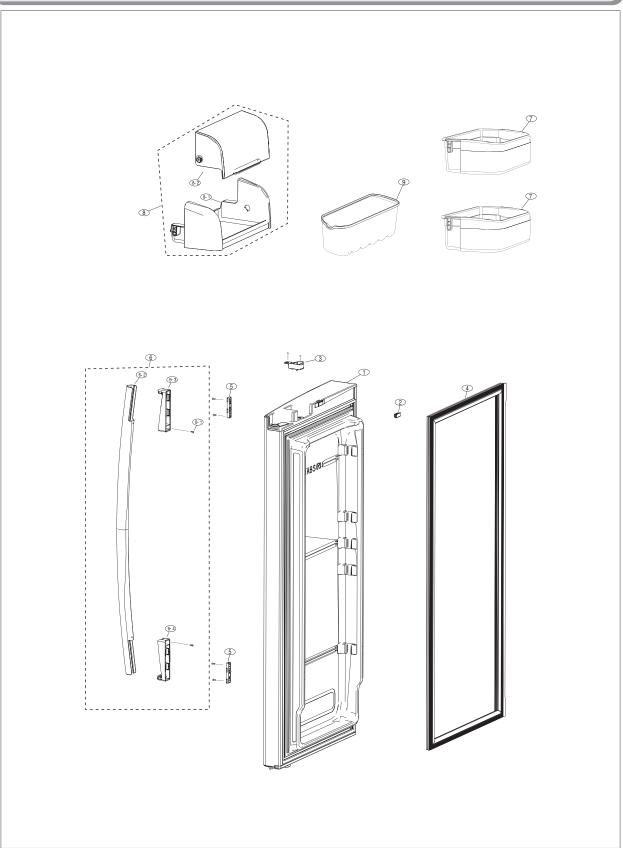
Parts List of Refrigerator Door-Left

		of fieldingerator bee				
NO	CODE-NO	PART NAME	SPEC	QUAN TITY	SGEC CODE	REMARK
1	DA91-02827A	ASSY DOOR FOAM REF L	AW-SEM,REAL STAINLESS,RF266,265	1	DA91-02460J	
1	DA91-02827B	ASSY DOOR FOAM REF L	AW-SEM, PLATINUM INOX, RF266, 265	1	DA91-02460J	
1	DA91-02827C	ASSY DOOR FOAM REF L	AW-SEM,BLACK,RF266,265	1	DA91-02460J	
1	DA91-02827D	ASSY DOOR FOAM REF L	AW-SEM,WHITE,RF266,265	1	DA91-02460J	
2	DA61-02738F	MAGNET-ASSY	AW,ABS,5mm,7mm,18mm,CREAMY-STS	1	same as SEM	
2	DA61-02738E		AW,ABS,5mm,7mm,18mm,I-BLACK	1	same as SEM	
2	DA61-02738A		CORE-PJT,T5,W7,L18,WHITE	1	same as SEM	
3		CAM-AUTO CLOSE L	AW-PJT,NY-66,CREAMY STS	1	DA66-00442B	
3		CAM-AUTO CLOSE L	AW-PJT,NY-66,I-BLACK	1	DA66-00442B	
3		CAM-AUTO CLOSE L	AW-PJT,NY-66,SNOW WHITE	1	DA66-00442B	
4		ASSY-GASKET DOOR REF	AW-SEM,GRAY	1	DA97-05253B	
4		ASSY-GASKET DOOR REF	AW-SEM,BLACK	1	DA97-05253B	
5	DA61-04871A		AW-PJT,NY-66,NATURAL	2	DA61-02984A	
6		ASSY HANDLE-BAR(REF)	AW-PJT, VERSAILLES SILVER	1	same as SEM	
6-1		SCREW-TAPPING	TH,+,1,M4.0,L16,ZPC(WHT),SWRCH18A	2	same as SEM	
	DA64-01979E		A-TOP 06,AL(A6063),VERSAILLES SILVER,VERTICAL HAIR LINE	1	same as SEM	
		CAP-HANDLE UPP	A-TOP06,ABS,NOBLE-GRAY,VERSAILLES SILVER	1	same as SEM	
		CAP-HANDLE LOW	A-TOP06.ABS.NOBLE-GRAY.VERSAILLES SILVER	1	same as SEM	
6		ASSY HANDLE-BAR(REF)	AW-PJT,PLATIUNEM STS	1	same as SEM	
6-1		SCREW-TAPPING	TH,+,1,M4.0,L16,ZPC(WHT),SWRCH18A	2	same as SEM	
6-2	DA64-01979B		A-TOP06,AL(A6063),VERSAILLES SILVER	2	same as SEM	
		CAP-HANDLE UPP	A-TOP06,ABS,NOBLE-GRAY,VERSAILLES SILVER	1	same as SEM	
		CAP-HANDLE LOW	A-TOP06,ABS,NOBLE-GRAY,VERSAILLES SILVER	1	same as SEM	
		ASSY HANDLE-BAR	, , , , ,			
6				1	same as SEM	
6-1		SCREW-TAPPING		2	same as SEM	
				1	same as SEM	
		CAP-HANDLE UPP	A-TOP06,ABS,I-BLACK(SC-00477R),MATURE-BLACK(SC-03106S)	1	same as SEM	
		CAP-HANDLE LOW	A-TOP06,ABS,I-BLACK(SC-00477R),MATURE-BLACK(SC-03106S)	1	same as SEM	
6		ASSY HANDLE-BAR	A-TOP06,AL(0603),L876,SNOW-WHITE	1	same as SEM	
6-1		SCREW-TAPPING	TH,+,1,M4.0,L16,ZPC(WHT),SWRCH18A	2	same as SEM	
	DA64-01979D		A-TOP06,AL(A6063),SNOW WHITE(SC-97527T)	1	same as SEM	
		CAP-HANDLE UPP	A-TOP06,ABS,SNOW-WHITE(SC-97572R)	1	same as SEM	
		CAP-HANDLE LOW	A-TOP06,ABS,SNOW-WHITE(SC-97572R)	1	same as SEM	
7	DA63-04621A		AW-PJT,PP,COOL WHITE	3	DA63-03467A	
	DA63-04639A		AW-PJT,GPPS,NTR	1	DA63-04396A	
	DA97-07276A		AW-SEM, THAI SILVER	1	DA97-05021P	
		HEATER CORD-FRENCH	AW-PJT,P-CORD,8W,115V,1653BY,FRENCH	1	same as SEM	
	DA61-04869A		AW-PJT,SECC1,THAI SILVER	1	DA61-03207B	
	DA61-04866A		AW-PJT,PC,COOL WHITE	2	DA61-03230B	
	DA61-04848A		AW-PJT,ABS,COOL WHITE	1	DA61-03234A	
		INSULATION-FRENCH	AW-SEM,FOAM-PS	1	DA62-01387A	
		COVER-HEATER FRENCH	AW-PJT,PC,COOL WHITE	1	DA63-03454B	
		GASKET-FRENCH	AW-PJT,SILICONE,W9.9,L41.1,GRAY	2	same as SEM	
		CAP-CASE FRENCH	AW-PJT,ABS,COOL WHITE	2	DA67-01650A	
		CAP-CASE FRENCH MID	AW-PJT,ABS,COOL WHITE	1	DA67-01701A	
		SPRING-ETC FRENCH	STS304,PI1.4	1	same as SEM	
9-11	DA81-01346A	PIN-FRENCH SPRING	RD-PVC,WHITE	1	same as SEM	
9-12	6002-000213	SCREW-TAPPING	TH,+,1,M4,L12,ZPC(WHT),SWRCH18A	1	same as SEM	
9-13	DA67-02181A	CAP-GUIDE FRENCH UPP	AW,POM,WHITE	1	NEW	
9-14	6003-000333	SCREW-TAPTITE	RH,+,2S,M3,L10,ZPC(WHT),SWRCH18A	1	same as SEM	
9	DA97-07276B	ASSY-FRENCH	AW-SEM,BLACK	1	DA97-05021P	
9-1	DA47-00245C	HEATER CORD-FRENCH	AW-PJT,P-CORD,8W,115V,1653BŸ,FRENCH	1	same as SEM	

Parts List of Refrigerator Door-Left

NO		PART NAME	SPEC	QUAN	SGEC CODE	REMARK
9-2			AW-PJT,SECC1,ALL BLACK	1	DA61-03207B	
	DA61-04866A		AW-PJT,PC,COOL WHITE	2	DA61-03230B	
	DA61-04848A		AW-PJT,ABS,COOL WHITE	1	DA61-03234A	
		INSULATION-FRENCH	AW-SEM,FOAM-PS	1	DA62-01387A	
		COVER-HEATER FRENCH	AW-PJT,PC,COOL WHITE	1	DA63-03454B	
		GASKET-FRENCH	AW-PJT,SILICONE,BLACK	2	same as SEM	
		CAP-CASE FRENCH	AW-PJT,ABS,COOL WHITE	2	DA67-01650A	
		CAP-CASE FRENCH MID	AW-PJT,ABS,COOL WHITE	1	DA67-01701A	
9-10	DA81-01345A	SPRING-ETC FRENCH	STS304,PI1.4	1	same as SEM	
9-11	DA81-01346A	PIN-FRENCH SPRING	RD-PVC,WHITE	1	same as SEM	
9-12	6002-000213	SCREW-TAPPING	TH,+,1,M4,L12,ZPC(WHT),SWRCH18A	1	same as SEM	
9-13	DA67-02181A	CAP-GUIDE FRENCH UPP	AW,POM,WHITE	1	NEW	
9-14	6003-000333	SCREW-TAPTITE	RH,+,2S,M3,L10,ZPC(WHT),SWRCH18A	1	same as SEM	
9	DA97-07276C	ASSY-FRENCH	AW-SEM, SNOW WHITE	1	DA97-05021P	
9-1	DA47-00245C	HEATER CORD-FRENCH	AW-PJT,P-CORD,8W,115V,1653BŸ,FRENCH	1	same as SEM	
9-2	DA61-04869C	PLATE-FRENCH	AW-PJT,SECC1,SNOW WHITE	1	DA61-03207B	
9-3	DA61-04866A	HINGE-FRENCH	AW-PJT,PC,COOL WHITE	2	DA61-03230B	
	DA61-04848A		AW-PJT,ABS,COOL WHITE	1	DA61-03234A	
		INSULATION-FRENCH	AW-SEM,FOAM-PS	1	DA62-01387A	
		COVER-HEATER FRENCH	AW-PJT,PC,COOL WHITE	1	DA63-03454B	
9-7		GASKET-FRENCH	AW-PJT,SILICON,W9.9,L41.1,WHITE	2	same as SEM	
		CAP-CASE FRENCH	AW-PJT,ABS,COOL WHITE	2	DA67-01650A	
9-9		CAP-CASE FRENCH MID	AW-PJT,ABS,COOL WHITE	1	DA67-01000A	
		SPRING-ETC FRENCH	STS304,PI1.4	1	same as SEM	
		PIN-FRENCH SPRING	RD-PVC,WHITE	1	same as SEM	
				-		
		SCREW-TAPPING	TH,+,1,M4,L12,ZPC(WHT),SWRCH18A	1	same as SEM	
		CAP-GUIDE FRENCH UPP		1	NEW	
	6003-000333		RH,+,2S,M3,L10,ZPC(WHT),SWRCH18A	1	same as SEM	
10	DA67-02153A	CAP-SCREW	AW-PJT,PP,SNOW WHITE	2	DA67-30218R	
				1		
				1		

5-6) Disassembly of Refrigerator Door Right

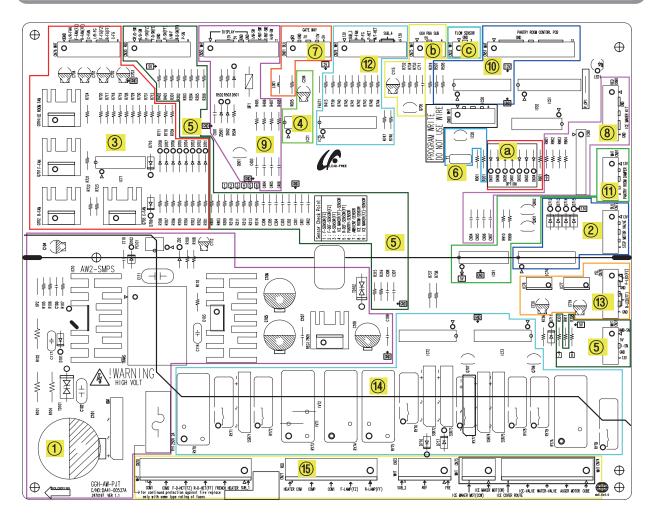


Parts List of Refrigerator Door-Right

		-				
NO	CODE-NO	PART NAME	SPEC	QUAN TITY	SGEC CODE	REMARK
1	DA91-02829A	ASSY DOOR FOAM REF-R	AW-SEM,REAL STAINLESS	1	DA91-02461F	
1		ASSY DOOR FOAM REF-R	AW-SEM,PLATINUM INOX	1	DA91-02461F	
1		ASSY DOOR FOAM REF-R	AW-SEM,BLACK	1	DA91-02461F	
1		ASSY DOOR FOAM REF-R	AW-SEM,SNOW WHITE	1	DA91-02461F	
2	DA61-02738F		AW,ABS,5mm,7mm,18mm,CREAMY-STS	1	same as SEM	
2	DA61-02738E		AW,ABS,5mm,7mm,18mm,I-BLACK	1	same as SEM	
2	DA61-02738A		CORE-PJT,T5,W7,L18,WHITE	1	same as SEM	
3		CAM-AUTO CLOSE R	AW-PJT,NY-66,CREAMY STS	1	DA66-00441B	
3		CAM-AUTO CLOSE R	AW-PJT,NY-66,I-BLACK	1	DA66-00441B	
3		CAM-AUTO CLOSE R	AW-PJT,NY-66,SNOW WHITE	1	DA66-00441B	
4		ASSY-GASKET DOOR REF	AW-SEM, GRAY	1	DA00-00441D	
4		ASSY-GASKET DOOR REF	AW-SEM,BLACK	1	DA97-05253B	
	DA97-07191D DA61-04871A		AW-PJT,NY-66,NATURAL	2	DA97-03233D DA61-02984A	
5	1			-		
6		ASSY HANDLE-BAR(REF)		1	same as SEM	
6-1		SCREW-TAPPING	TH,+,1,M4.0,L16,ZPC(WHT),SWRCH18A	2	same as SEM	
	DA64-01979E		AL(A6063), VERSAILLES SILVER, VERTICAL HAIR LINE	1	same as SEM	
		CAP-HANDLE UPP	A-TOP06,ABS,NOBLE-GRAY,VERSAILLES SILVER	1	same as SEM	
		CAP-HANDLE LOW	A-TOP06,ABS,NOBLE-GRAY,VERSAILLES SILVER	1	same as SEM	
6		ASSY HANDLE-BAR(REF)	AW-PJT,PLATIUNEM STS	1	same as SEM	
6-1		SCREW-TAPPING	TH,+,1,M4.0,L16,ZPC(WHT),SWRCH18A	2	same as SEM	
6-2	DA64-01979B		A-TOP06,AL(A6063),VERSAILLES SILVER	1	same as SEM	
6-3	DA67-01527F	CAP-HANDLE UPP	A-TOP06,ABS,NOBLE-GRAY,VERSAILLES SILVER	1	same as SEM	
6-4	DA67-01528F	CAP-HANDLE LOW	A-TOP06,ABS,NOBLE-GRAY,VERSAILLES SILVER	1	same as SEM	
6	DA97-04417N	ASSY HANDLE-BAR	AW-PJT,MATURE BLACK	1	same as SEM	
6-1	6002-000215	SCREW-TAPPING	TH,+,1,M4.0,L16,ZPC(WHT),SWRCH18A	2	same as SEM	
6-2	DA64-01979A	HANDLE BAR	A-TOP 06,AL(A6063),BLACK,BLACK COATING	1	same as SEM	
6-3	DA67-01527E	CAP-HANDLE UPP	ABS,I-BLACK(SC-00477R),MATURE-BLACK(SC-03106S)	1	same as SEM	
6-4	DA67-01528E	CAP-HANDLE LOW	ABS,I-BLACK(SC-00477R),MATURE-BLACK(SC-03106S)	1	same as SEM	
6	DA97-04417D	ASSY HANDLE-BAR	A-TOP06,AL(0603),L876,SNOW-WHITE	1	same as SEM	
6-1	6002-000215	SCREW-TAPPING	TH,+,1,M4.0,L16,ZPC(WHT),SWRCH18A	2	same as SEM	
6-2	DA64-01979D		A-TOP06,AL(A6063),SNOW WHITE(SC-97527T)	1	same as SEM	
		CAP-HANDLE UPP	A-TOP06,ABS,SNOW-WHITE(SC-97572R)	1	same as SEM	
		CAP-HANDLE LOW	A-TOP06,ABS,SNOW-WHITE(SC-97572R)	1	same as SEM	
7		ASSY GUARD REF	AW-SEM	2	DA97-04878D	
		ASSY GUARD-DAIRY	AW-SEM	1	DA97-04881B	
0	DAJI UTULA			-	DAJI 04001D	

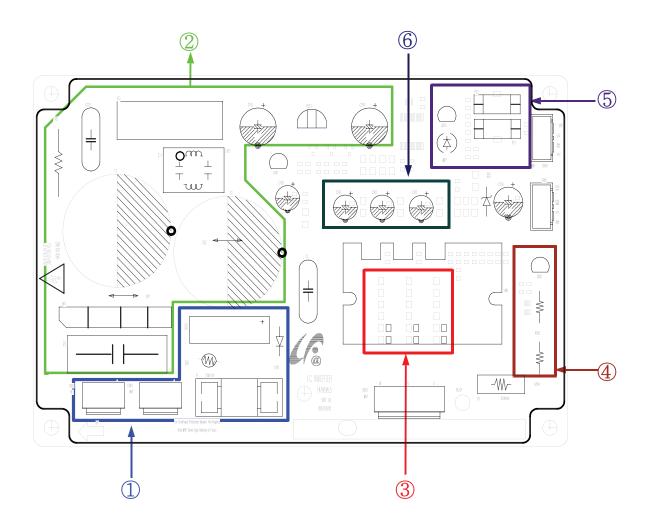
6-1) PCB LAYOUT WITH PART POSITION · · · · · · · · · · · · · · · · · · ·
6-2) PCB LAYOUT WITH PART POSITION (INVERTER BOARD) · · · · · · · · · · · · · · · · · · ·
6-3) CONNECTOR LAYOUT WITH PART POSITION (MAIN BOARD)
6-4) PCB LAYOUT WITH PART POSITION (MAIN BOARD)
6-5) CONNECTOR LAYOUT WITH PART POSITION (INVERTER BOARD)

6-1) PCB Layout with part position



- 1. DC13V, 5V, GND supplied from SMPS PCB
- 2. Circuit for controlling Step-Valve (3-Way Valve) * Option
- 3. FAN MOTOR control part : To supply the power from 8.3V ~ 12V according to the motor types. (F,R,C,ICE)
- 4. EEPROM : Save and record every kinds of data.
- 5. Transmit inputted signals from every sensor into MICOM after eliminate the noise.
- 6. Micom : control the regrigerator Ceramic resonator : generate the basic frequency of Micom operation. Reset IC : make Micom reset if input voltage of Micom is detected less than the specified voltage
- 7. PLC input/output
- PLC (Power Line communication) * Option(PLC module is not inserted unless specified occasion)
- 8. Operate ICE-MAKER, supply power to MOTOR, and sense the variation of switch.
- 9. Main Micom ↔ Panel Micom serial communication circuit
- Dispenser option input part (Water & Cover Ice route switch)
- 10. Pantry room display control part : display LED, detect KEY state.
- 11. Control Pantry room damper & Damper heater
- 12. Water Tank Heater Controls (also controls other options)
- 13. LED LAMP Control Circuit (F, R LAMP) * Option
- 14. Relay parts that controls AC load and receives Micom operating signal through Sink IC.
- 15. Connector with AC load
 - a. Diode option setting area
 - b. Inverter COMP controlling signal
 - c. Sensing part of Flow Sensor.

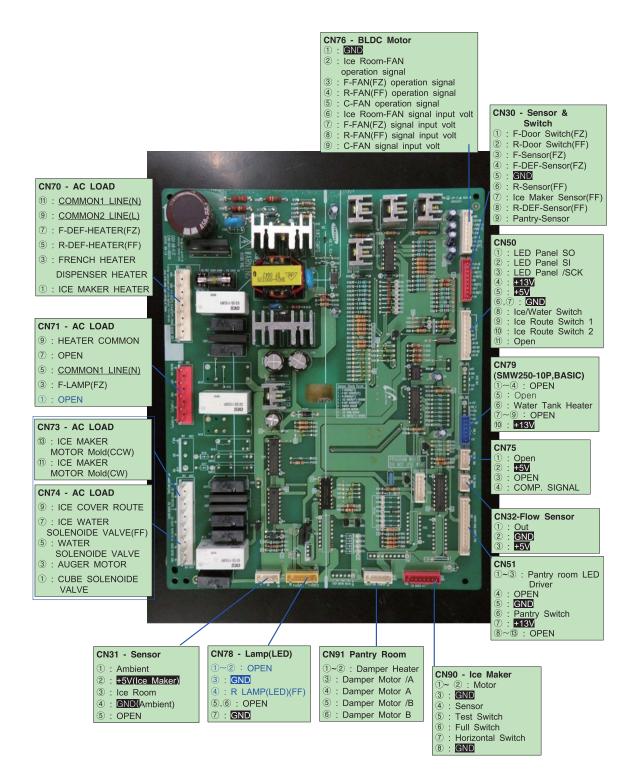
6-2) PCB Layout with part position (Inverter Board)



- 1. Inrush current protecting area : It prevents an instant inrush of current generated in condenser when plug in.
- 2. PCB Power Bus : power bus (Hybrid IC). It supplies DC15V and 5V to MICOM.
- 3. Location detecting resistance area : It detects motor location through the current detected.
- 4. Current detecting area : It detects the current from the SHUNT resistance and controls PWM DUTY.
- 5. COMP operating Signal area : It receives COMP operating signal from Main PCB and conduct it.
- 6. BOOTSTRAP live part : Charging circuit that 1GBT of SPM can On/Off securely.

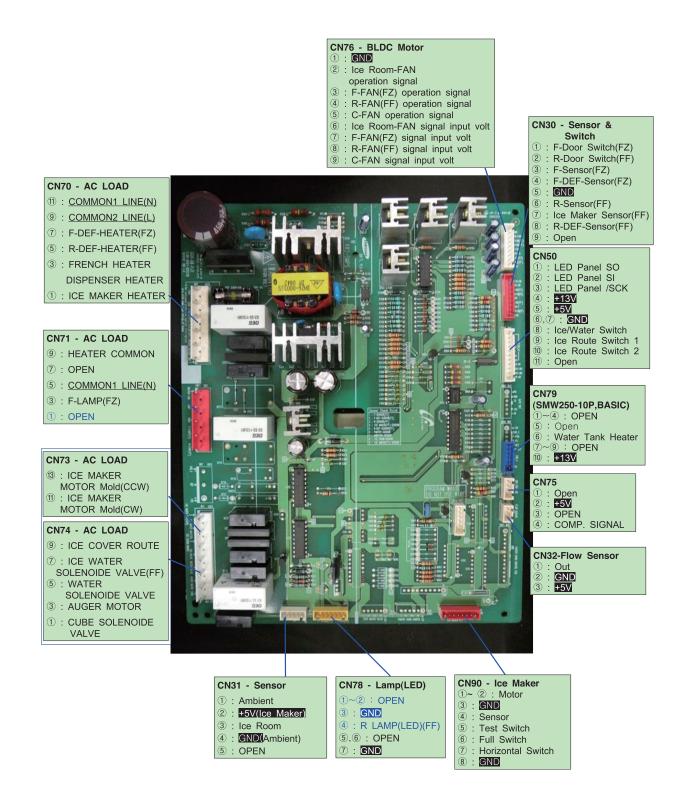
6-3) Connector Layout with part position (Main Board)

6-3-1. RF267AE

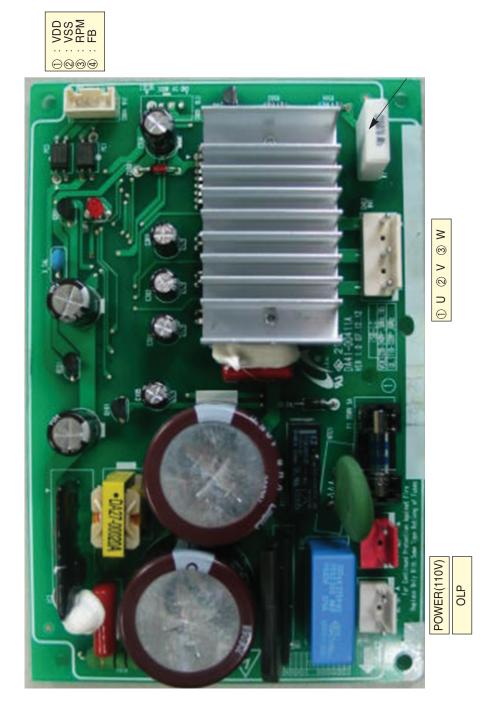


6-4) PCB Layout with part position (Main Board)

6-3-2. RF26XAE

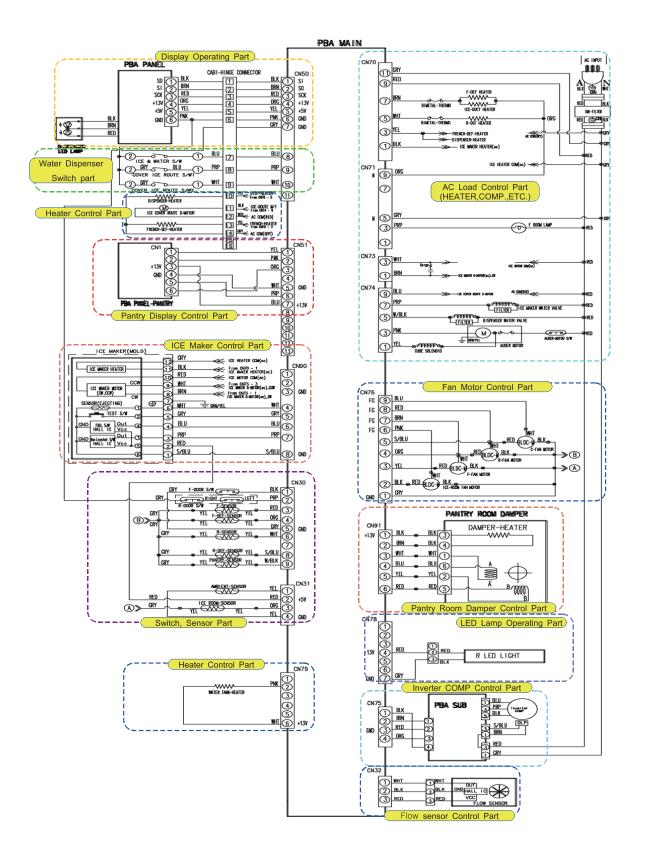


6-5) Connector Layout with part position (Inverter Board)



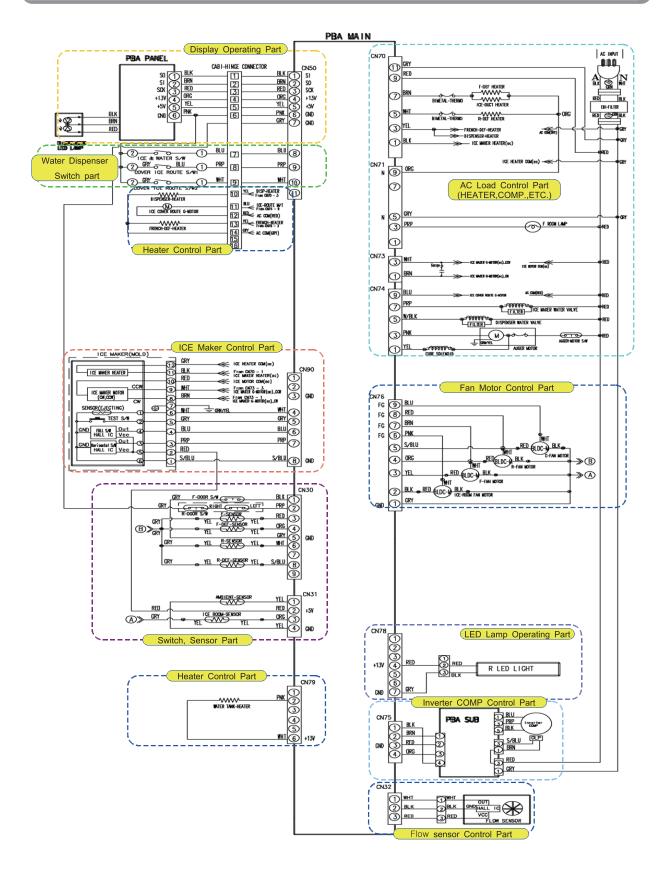
7. WIRING DIAGRAM

7-1) Model : RF267AE



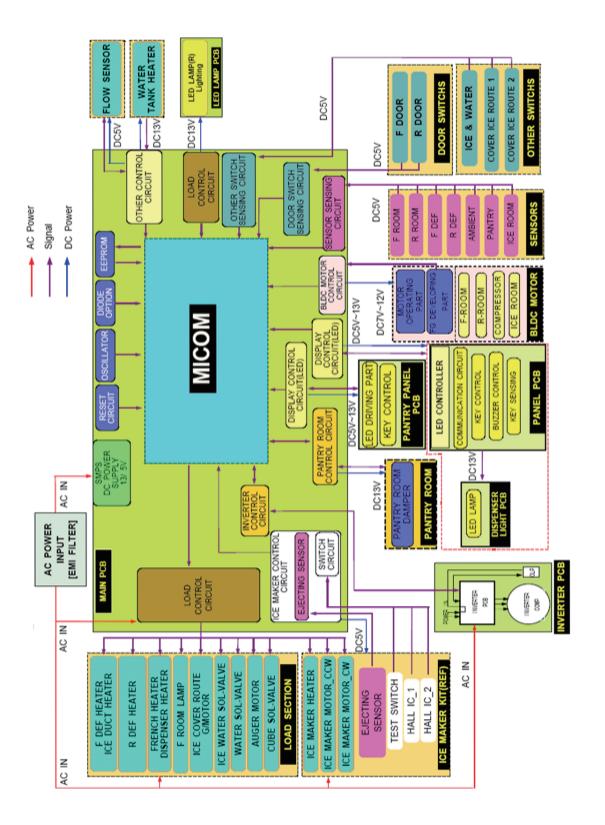
WIRING DIAGRAM

7-2) Model : RF26XAE



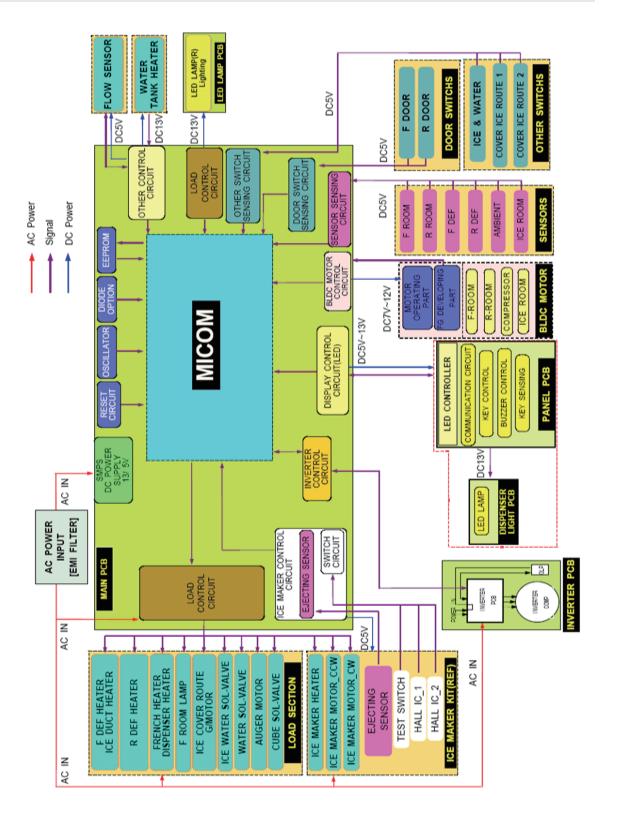
8-1) Whole block diagram

8-1-1. MODEL : RF267AE



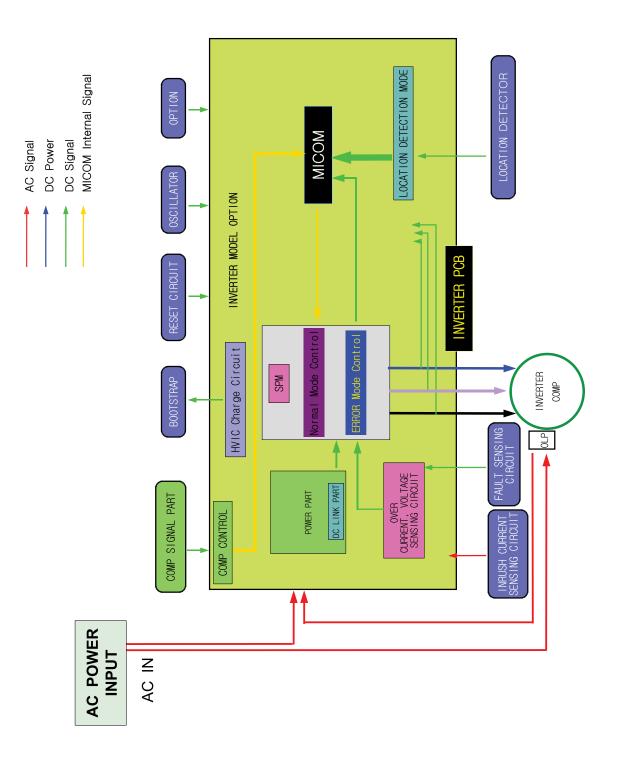
8-1) Whole block diagram

8-1-2. MODEL : RF26XAE



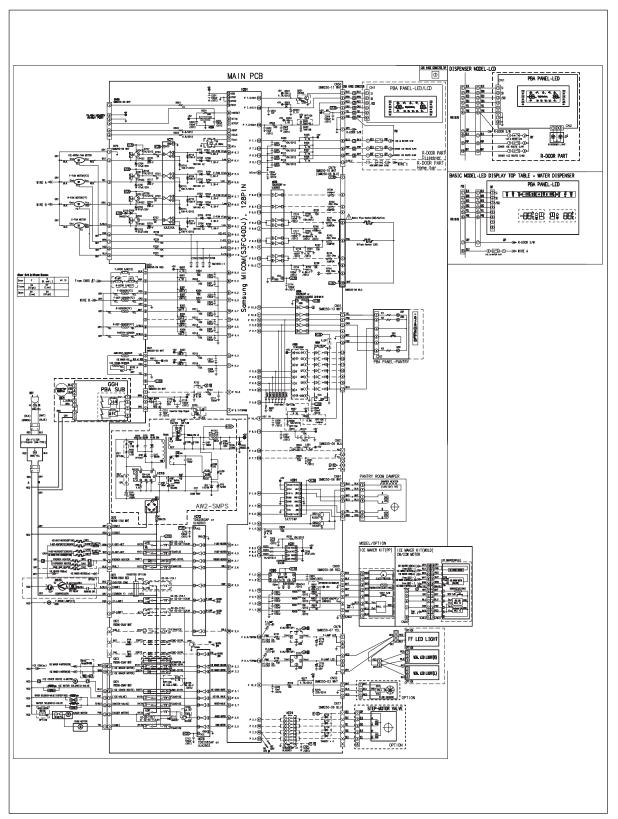
8-1) Whole block diagram

8-1-3. Inverter Board



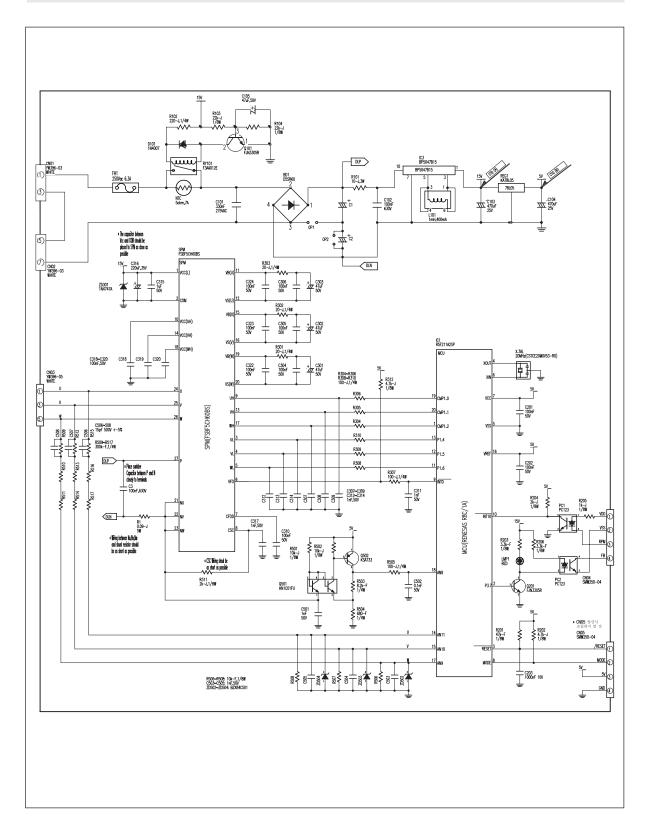
8-2) CIRCUIT DIAGRAM

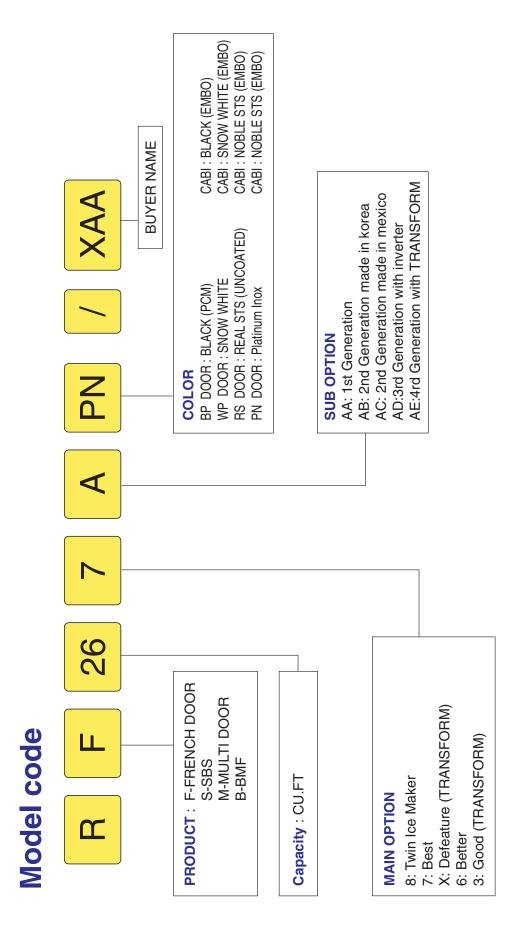
8-2-1. MODEL : RF267AE / RF26XAE



8-2) CIRCUIT DIAGRAM

8-2-2. INVERTER BOARD







Mexico Av. Benito Juarez No.119, Parque Ind. Queretaro Km 28.5 Carr. Qro. S.L.P Mz.11 LT.12, C.P.76220 Santa Rosa de Jauregui, Santiago de Queretaro, Queretaro Mexico TEL : 52-442-296-9000(9408) FAX : 52-442-240-9072

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