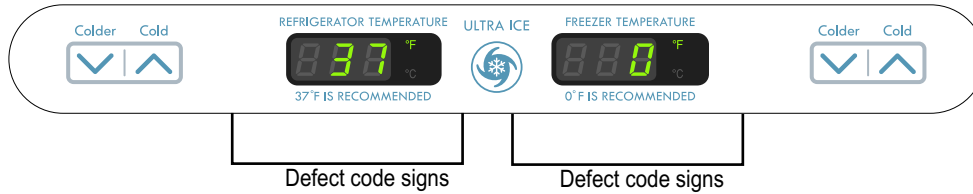


FAILURE DIAGNOSIS TABLE

Defect Diagnosis Function

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



ERROR CODE on display panel

NO	ITEM	ERROR CODE		CONTENTS	REMARKS
		①	②		
1	Failure of freezer sensor	Er	FS	Cut or short circuit wire	Inspect Connecting wires on each sensor
2	Failure of refrigerator sensor	Er	rS	Cut or short circuit wire	
3	Failure of defrost sensor	Er	dS	Cut or short circuit wire	
4	Failure of defrost mode	Er	dH	When defrost sensor does not reach 8°C within 1 hour after starting defrost.	Snapping of defrost heater or temperature fuse, pull out of connector (indicated minimum 2 hours after failure occurs)
5	Failure of BLDC fan motor at freezing compartment.	Er	FF	If there is no fan motor signal for more than 115sec in operation fan motor	Poor motor, hooking to wires of fan, contact of structures to fan, snapping or short circuit of Lead wires.

*LED check function: If simultaneously pressing the Cold key of refrigerator Temp and the Cold key of freezer temperature for a second, all display LED graphics on. If releasing the button, the LED graphics displays the previous status.

PCB TEST BUTTON FUNCTION

TEST Mode

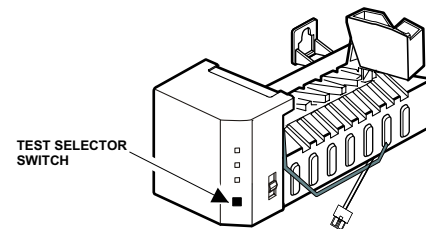
1. The Test mode allows checking the PCB and the function of the product as well as finding out the defective part in case of an error.
2. The test mode is operated by pressing two buttons on the Display panel.
3. While in the test mode, the function control button is not recognized, but the recognition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

MODE	OPERATION	CONTENTS	REMARKS
TEST1	Push ULTRA ICE & COLDER (F) KEYS for 3sec. Or Push TEST switch (on the main Board) once. <Cooling MODE>	1. Continuous operation of the COMPRESSOR 2. Continuous operation of the freezer fan 3. STEPPING DAMPER OPEN 4. Defrosting Heater OFF 5. Every DISPLAY LED ON	Maximum test time: 5 minutes
TEST2	Push ULTRA ICE & COLDER (F) KEY for 3sec. In TEST MODE or Push TEST switch once in TEST MODE 1 <Forced defrosting MODE>	1. COMP OFF 2. Freezer FAN OFF 3. STEPPING DAMPER CLOSE 4. Defrosting heater ON 5. Display LED shows 222	Maximum test time: 2 hours. Reset if the temperature Of the defrosting sensor is 8°C (46°F) or more.
Return to Normal	On TEST 2 press ULTRA ICE & COLDER (F) KEY for 3 sec.	Return to initial status (COMP 7 min delay)	

* Freezer Fan RPM Variable Check:
If the freezer fan is in operation when the COLD REFRIGERATOR TEMP KEY & COLD FREEZER TEMP KEY are pressed for more than one second at the same time then the freezer fan RPM changes, (for example if high speed, to normal speed or if normal speed, to high speed for 30 seconds) After 30 seconds, it turns to its original RPM.

- * Demonstration (Display) MODE:
1. To enter this mode, raise either the Refrigerator or Freezer temperature to its highest setting. Then, press that Cold key and hold for about 5 seconds..
 2. The LED panels will display OFF, to indicate that the compressor, circulating fan, damper, and defrost heater are not operating.
 3. The Open Door Alarm and the Lamp Auto-Off feature will work normally and can be demonstrated.
 4. To reset to normal operation, press and hold either Cold Key for about 5 seconds.

ICEMAKER



1. ICEMAKER

Test Control

- Press and hold the Test button 3 seconds to activate.
- It operates in the following steps: Initial → Ice ejection → Water supply control steps

TECHNICAL DATA

DISCONNECT POWER CORD BEFORE SERVICING IMPORTANT - RECONNECT ALL GROUNDING DEVICES

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

IMPORTANT NOTICE

This information is intended for use by individuals possessing adequate backgrounds of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, not can it assume any liability in connection with its use.

ELECTRICAL SPECIFICATIONS

Temperature Control (Position: MID).....	-6°F to +8°F
Defrost Control.....	Automatic
Defrost Thermostat.....	46.4 °F
Electrical Rating: 115VAC, 60Hz.....	1-5 A
Maximum Current Leakage.....	0.5mA
Maximum Ground Path Resistance.....	0.14 Ohms
Energy Consumption.....	.20 cu.ft. 454kWh/yr (Energy Star)

For models: 795.7809*

*: Color number

NO LOAD PERFORMANCE

Control Position: MID/MID

And ambient of.....70°F90°F

Fresh Food, °F.....	33°F to 41°F	33°F to 41°F
Frozen Food, °F.....	-4°F to +4°F	-4°F to +4°F
Percent Running Time.....	.25%-35%	.45%-60%

REFRIGERATION SYSTEM

Minimum Compressor Capacity Vacuum.....	21 in
Minimum Equalized Pressure	
@ 70°F	49PSIG
@ 90°F	56PSIG
Refrigerant R134a.....	4.2 oz
Compressor.....	740BTU/hr

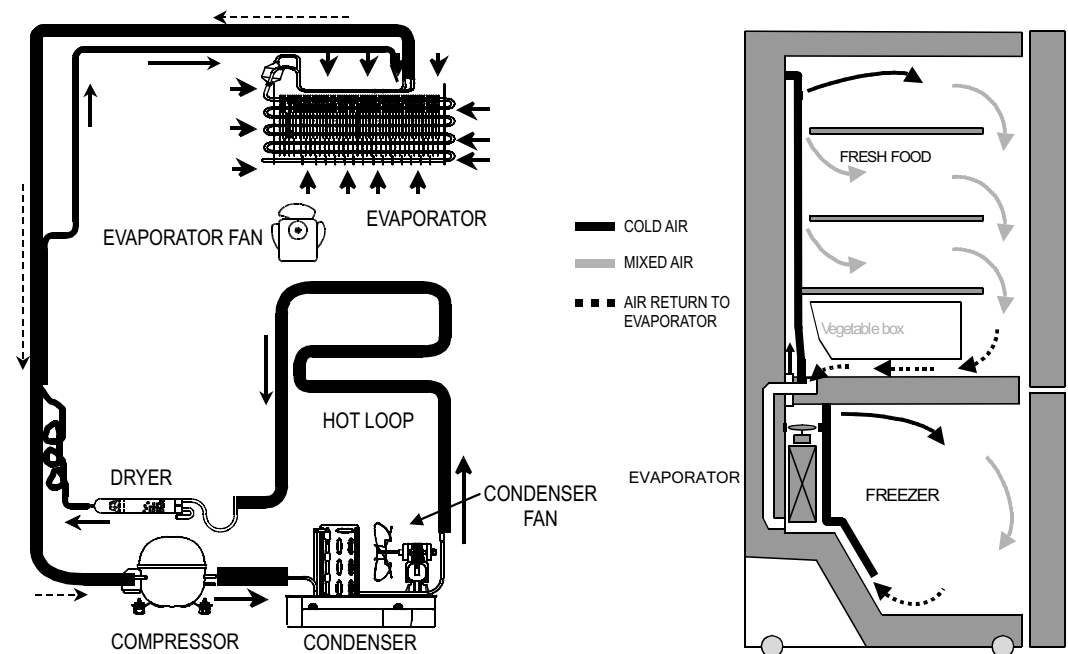
INSTALLATION

For proper air circulation, best cooling and energy consumption results, maintain a minimum distance of 2 inches (5.08cm) from adjacent items and surfaces.

CLEARANCE

AT TOP.....	2 in
AT SIDES.....	2 in
AT REAR.....	2 in

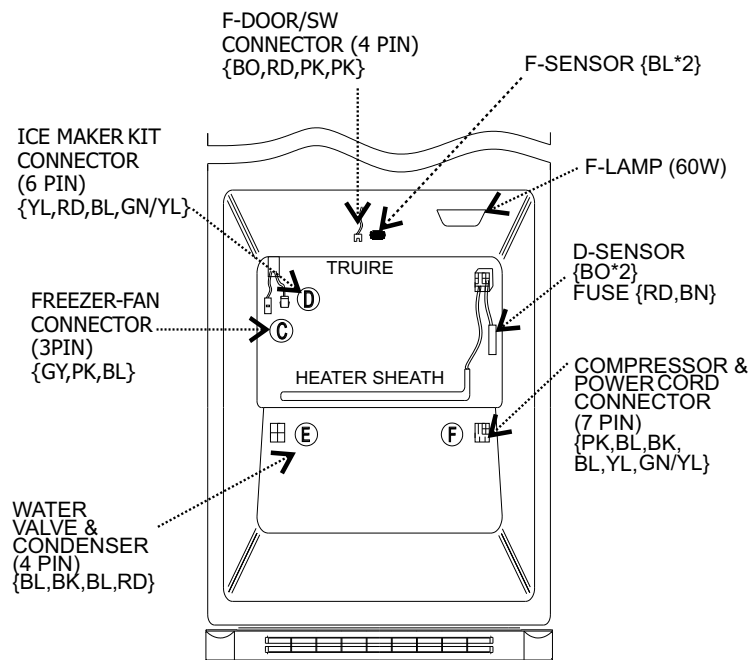
AIR FLOW



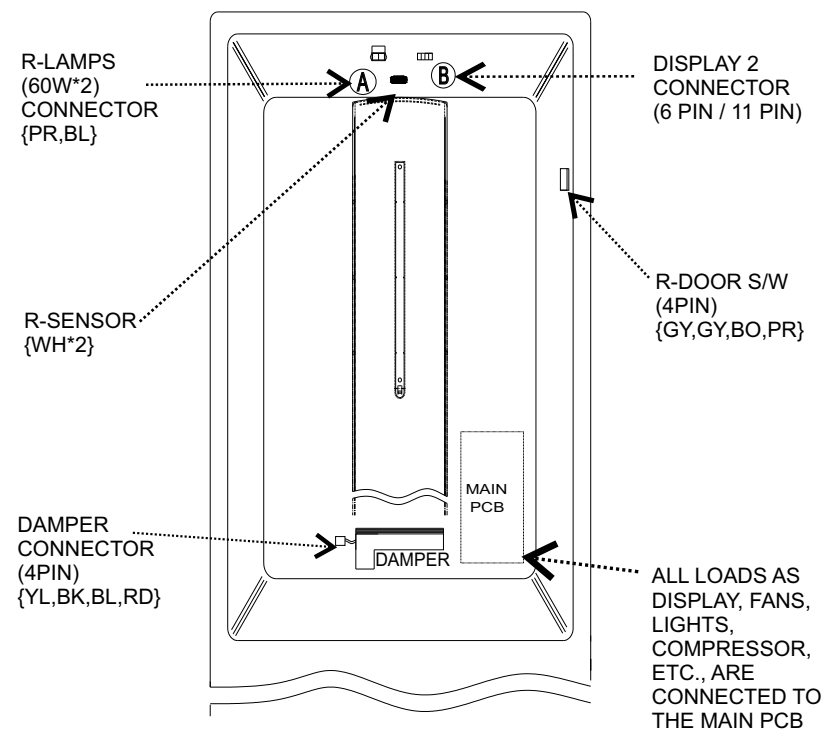
IMPORTANT DO NOT DESTROY

WIRING DIAGRAMS, SERVICE AND PARTS INFORMATION INCLUDED
REPOSITION TO ORIGINAL LOCATION

FREEZER COMPARTMENT



REFRIGERATOR COMPARTMENT



CIRCUIT DIAGRAM

