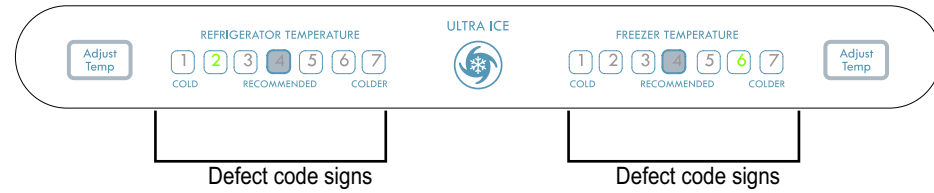


FAILURE DIAGNOSIS TABLE

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 ● LED OFFLED ON ○

NO	ITEM	ERROR CODE	CONTENTS	REMARKS
1	Failure of freezer sensor	All off ● ○ ○ ○ ○ ○ ○ ○	Cut or short circuit wire	Inspect Connecting wires on each sensor
2	Failure of Refrigerator sensor	All off ○ ● ○ ○ ○ ○ ○ ○	Cut or short circuit wire	
3	Failure of defrost sensor	All off ○ ○ ● ○ ○ ○ ○ ○	Cut or short circuit wire	
4	Poor of defrost	All off ● ● ● ● ○ ○ ○ ○	2 hours later after starting defrost, If sensor doesn't be over 46°F (8°C)	Snapping of defrost heater or temperature fuse, pull out of
5	Failure of BLDC fan motor at freezing compartment	All off ● ● ● ● ● ○ ○ ○	If there is no fan motor signal, for more than 65s. In operation fan motor	Poor motor, hooking to wires of fan, contact of structures to fan, snapping or short lead.

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 at Display panel.
3. While in the test mode, the function control button is not recognized, but the recognition tone (beep~) sounds.
4. After exiting the test mode, be sure to reset by unplugging and then plugging in the appliance.
5. If an error, such as a sensor failure, is detected while in the test mode, the test mode is cleared and the error code is displayed.
6. While an error code is displayed, the test mode will not be activated.

MODE	OPERATION	FUNCTION	REMARKS
TEST 1	Push ULTRAICE key and ADJUST KEY of freezer temp. at the same time over 3 seconds	1. Continuous operation of the COMPRESSOR. 2. Continuous operation of the freezer fan. 3. STEPPING DAMPER OPEN. 4. Defrosting Heater OFF. 5. Every DISPLAY LED ON	Maximum test time: 5 Minutes
TEST 2	Push ULTRAICE key and ADJUST KEY of freezer temp. at the same time over 3 seconds in TEST MODE 1	1. COMP OFF. 2. Freezer Fan OFF. 3. STEPPING DAMPER CLOSE. 4. Defrosting Heater ON. 5. DISPLAY LED 1,3,5,7 ON	Maximum test time: 2 hours Reset if the temperature of the Defrosting Sensor is 46°F(8°C) or more.
RESET	Push ULTRAICE key and ADJUST KEY of freezer temp. at the same time over 3 seconds in TEST MODE 2	1. Reset to the previously setting before TEST MODE.	The compressor will start after a 7 minutes delay.

NOTE

LED CHECK MODE: When the ADJUST KEY of Refrigerator and Freezer Temp. Control button at the same time are pushed and hold for 1 second or longer, every LED on the display turns on at the same time. When the button are released, the previous mode is restored

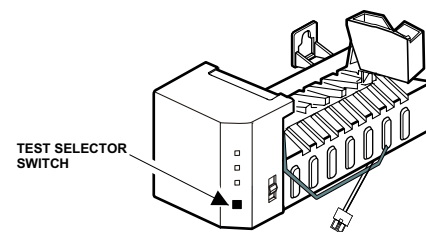
* Freezer Fan RPM Variable Check

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

* Demonstration MODE

1. When the ADJUST KEY of refrigerator Temp. control and ULTRAICE key are pressed simultaneously and held over 5 seconds, it converts to demonstration mode.
2. In this status, each LED is rotated with 1 second interval.
3. In this status, all loads are off (compressor/fan/damper/heater). (Even in Demonstration Mode, the refrigerator lamp automatic off function works normally and can be demonstrated).
4. It reset if you do again as clause.

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

Part No. MBM62277203

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: 795.6900★ ★: Color number
795.7900★

NO LOAD PERFORMANCE Control Position: MID/MID

And ambient of: 70°F 90°F

Fresh Food, °F	33°F to 41°F	33°F to 41°F
Frozen Food, °F	-4°F to +4°F	-4°F to +4°F
Percent Running Time	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

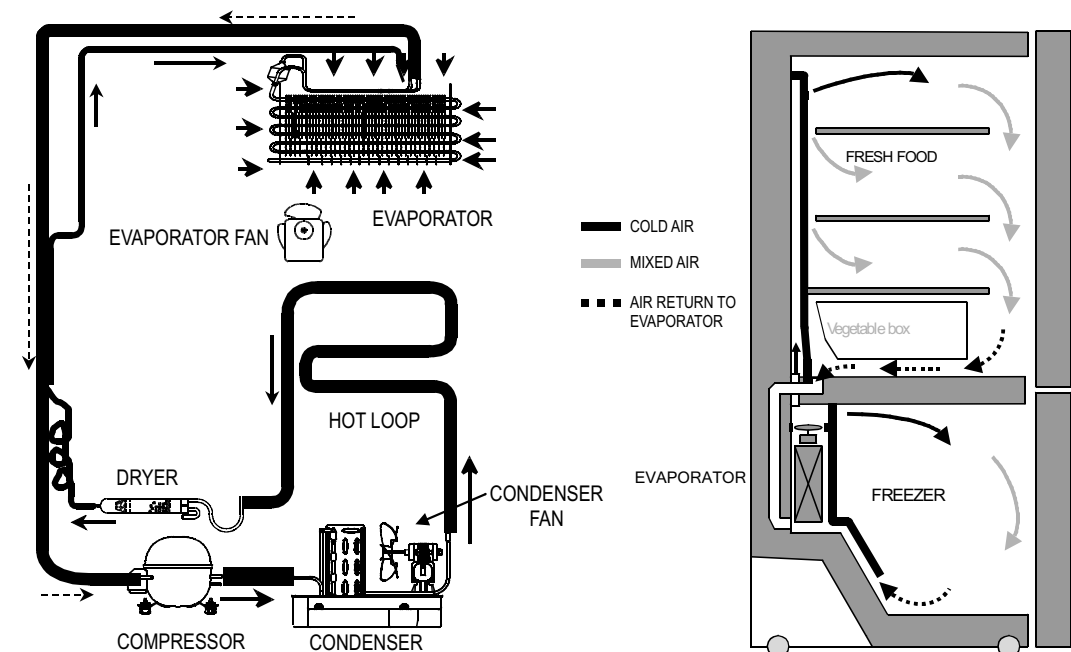
INSTALLATION

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

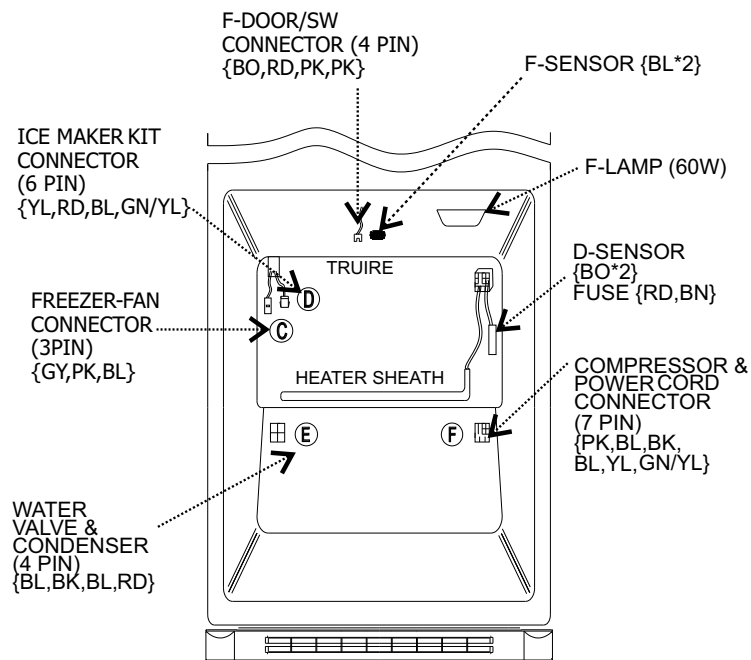
AIR FLOW



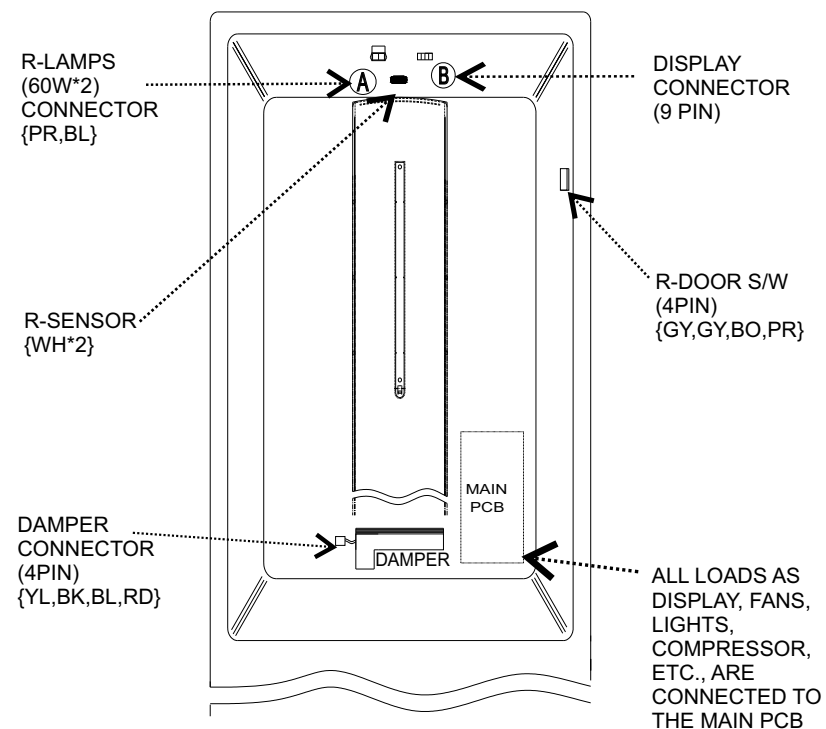
IMPORTANT DO NOT DESTROY

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

FREEZER COMPARTMENT



REFRIGERATOR COMPARTMENT



CIRCUIT DIAGRAM

CIRCUIT DIAGRAM

