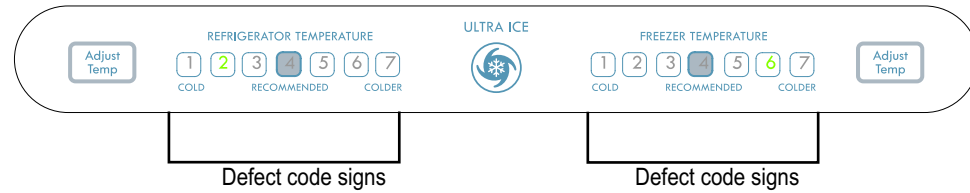


## FAILURE DIAGNOSIS TABLE

### Defect Diagnosis Function

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



### ERROR CODE on display panel

● LED OFF LED ON ○

No.	ITEM	ERROR INDICATION	CONTENTS	REMARKS
1	Failure of Freezer Sensor	All Off ● ○ ○ ○ ○ ○ ○ ○	Cut or short circuite wire	Inspect Connecting Wires on each sensor
2	Failure of Refrigerator Sensor	All Off ○ ● ○ ○ ○ ○ ○ ○ ○	Cut or short circuite wire	
3	Failure of Defrost Sensor	All Off ○ ○ ● ○ ○ ○ ○ ○ ○	Cut or short circuite wire	
4	Failure of Defrost Mode	All Off ● ● ● ● ○ ○ ○ ○	When defrost sensor does not reach 8 °C within 1 hour after starting defrost	Snapping of defrost heater or temperature fuse, pullout of connector (indicated minimum 2h after failure occurs)
5	Failure of BLDC fan motor at freezing compartment	All Off ● ● ● ● ● ○ ○ ○	If there is no fan motor signal for more than 115s in operation fan motor	Poor motor, hooking to wires of fan, contact of structures to fan, snapping or short circuit of Lead wires.
6	Failure of Icemaker Kit	All Off ○ ○ ○ ○ ● ○ ○ ○	Failure of wires such as motor in I/M KIT, GEAR, HALL IC.	When the ice ejecting does not operated on pressing the I/M TEST SW
7	Failure of Icemaker Sensor	All Off ○ ○ ○ ○ ○ ● ○ ○	Snapping or short circuit of ice making sensor.	Connecting Wire Test On Sensor

**Primary Error:** F sensor, R1 sensor, D sensor, defrost errors, F-FAN errors.  
**Secondary Error:** I / M sensors, I / M Kit

When an error occur the first 3 hours the Primary Error and Secondary Error is indicated in the display check mode (Pressing refrigerator and freezer temperature control button at the same time more than one second). After the 3 hours and if the error is still present the Primary Error will show in the display automatically (See Note 1) and the Secondary Error is indicated in the display check mode.

Note1: In the Primary Error after 3 hours of the error occurs all display lights turn OFF except the Freezer Temperature (Trouble Code Index) indicating the failure mode.

\*LED check function: When there's no error, when the refrigerator temperature control and the freezer temperature control button at the same time are hold for 1 second or longer, Every LED on the display turns on at the same time when the button are released, the previous mode is restored.

## PCB TEST BUTTON FUNCTION

### TEST Mode

- 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.
- The test mode is operated by pressing two buttons at Display panel.
- While in the test mode, the function control button is not recognized, but the recognition tone (beep~) sounds.
- After exiting the test mode, be sure to reset by unplugging and then plugging in the appliance.
- 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.
- 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

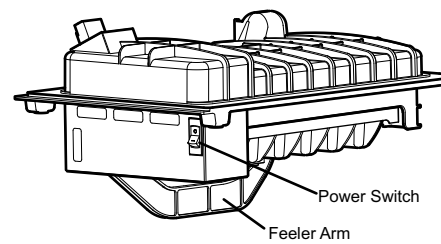
### \* Freezer Fan RPM Variable Check

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

- When the ADJUST KEY of refrigerator Temp. control and ULTRAICE key are pressed simultaneously and held over 5 seconds, it converts to demonstration mode.
- In this status, each LED is rotated with 1 second interval.
- 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).
- It reset if you do again as clause.

## ICEMAKER



### 1. ICEMAKER

Test Control

- To operate LINE and SERVICE, press and hold the Fill Key for 3 seconds. The icemaking will run through 3 stages: Harvest → Fill → Icemaking.

# TECHNICAL DATA

Part No. MBM62277204

### 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.....	22 cu.ft. 465kWh/yr (Energy Star)

For models: 795.6827★ \*★: Color number  
795.7827★

### 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

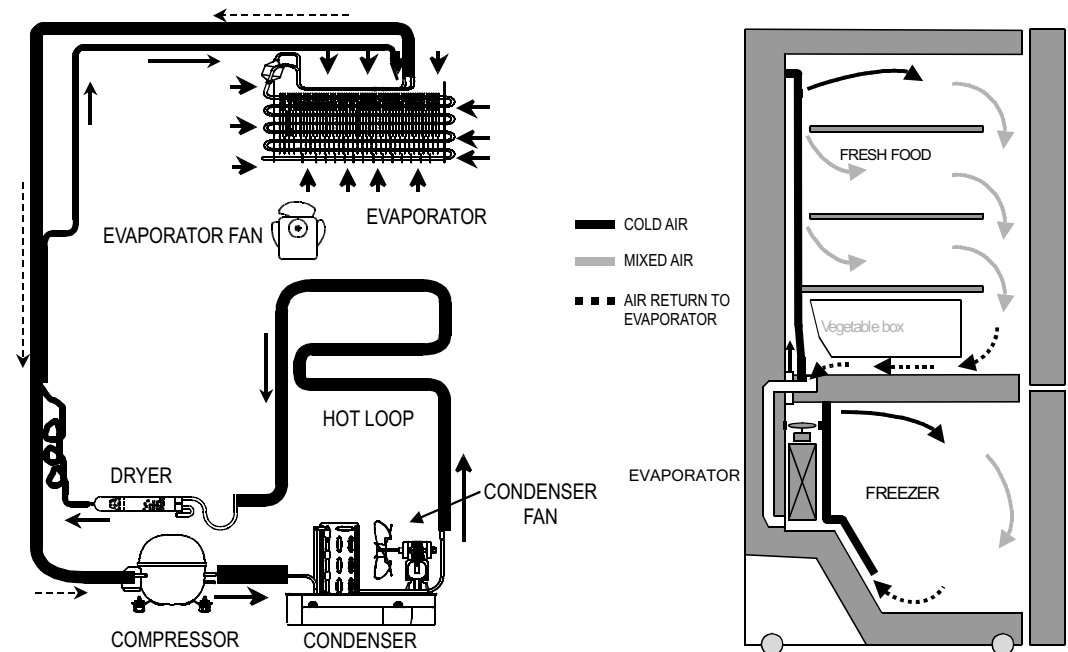
Minimum Compressor Capacity Vacuum.....	21 in
Minimum Equalized Pressure	
@ 70°F .....	49PSIG
@ 90°F .....	56PSIG
Refrigerant R134a.....	4.2 oz
Compressor.....	740BTU/hr

### 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

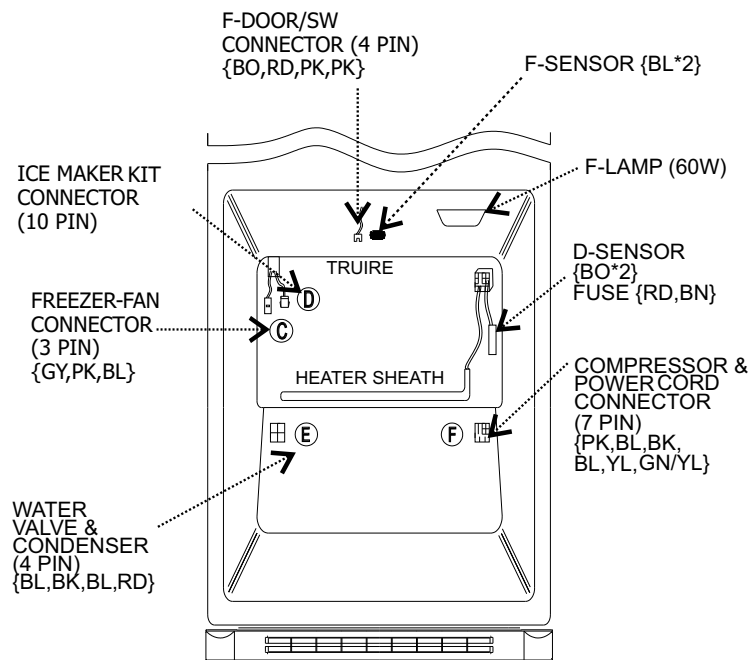
### AIR FLOW



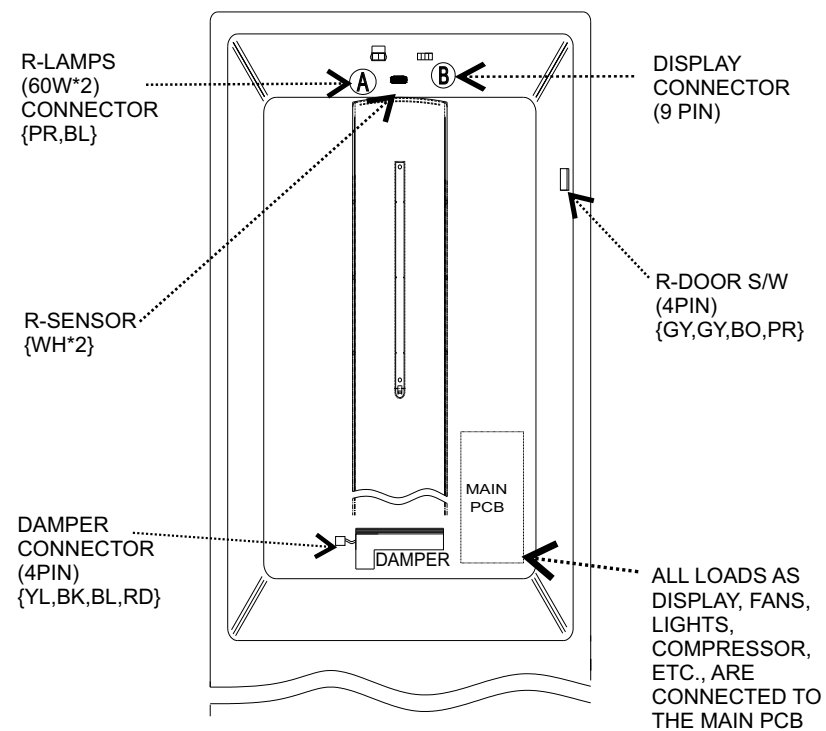
# IMPORTANT DO NOT DESTROY

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

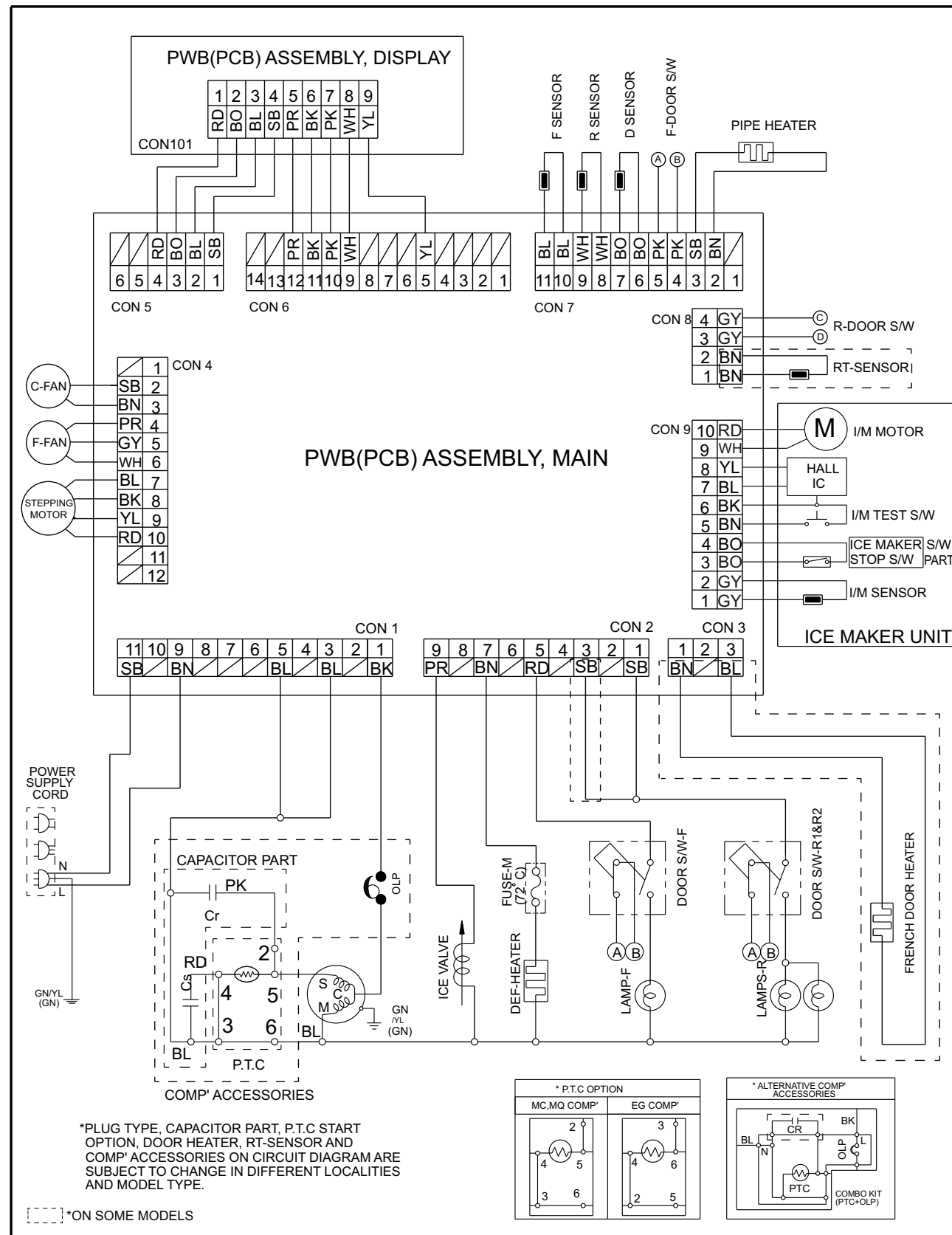
## FREEZER COMPARTMENT



## REFRIGERATOR COMPARTMENT



## CIRCUIT DIAGRAM



BK: BLACK	GN: GREEN	GY: GRAY	GN/YL: GREEN/YELLOW
YL: YELLOW	PK: PINK	WH: WHITE	BL/WH: BLUE/WHITE
SB: SKY BLUE	BO: BRIGHT ORANGE	BL: BLUE	BK/WH: BLACK/WHITE
BN: BROWN	PR: PURPLE	RD: RED	RD/WH: RED/WHITE