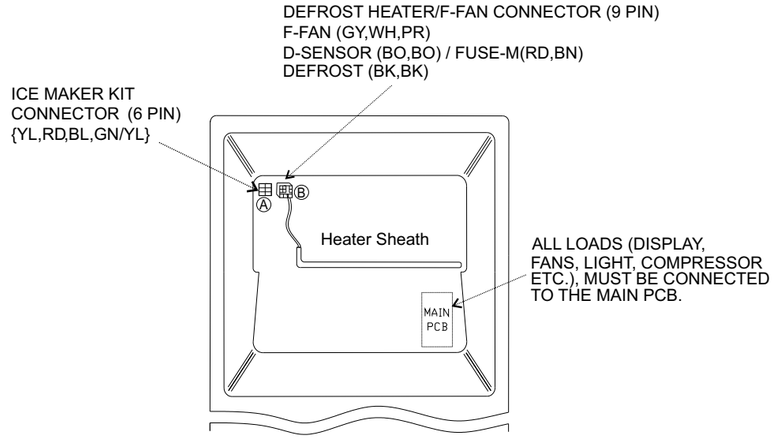
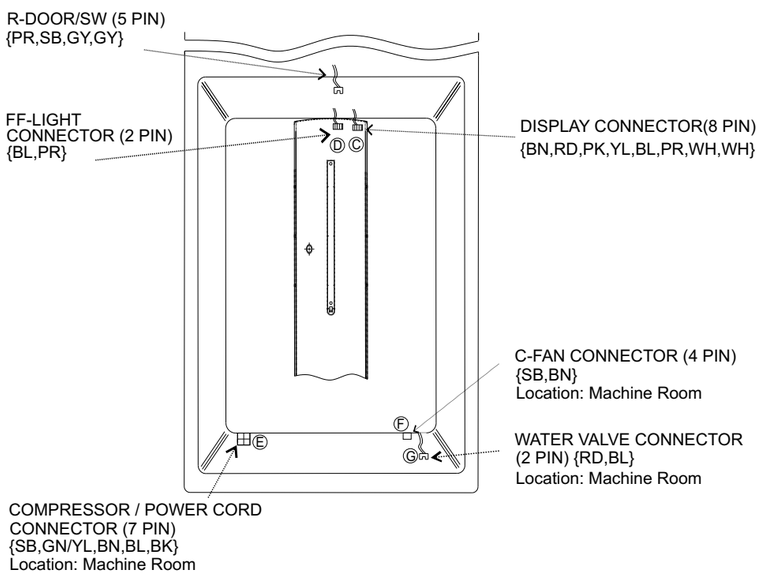
IMPORTANT DO NOT DESTROY

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

FREEZER COMPARTMENT



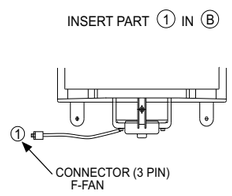
REFRIGERATOR COMPARTMENT



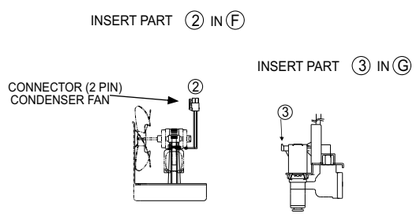
IMPORTANT DO NOT DESTROY

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

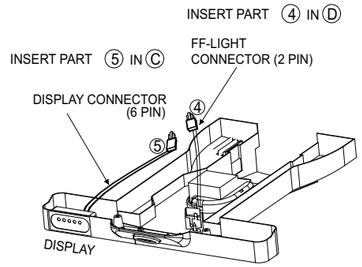
EVAPORATOR FAN ASSY



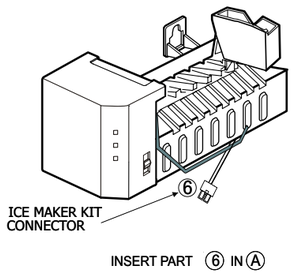
CONDENSER FAN & WATER VALVE ASSY



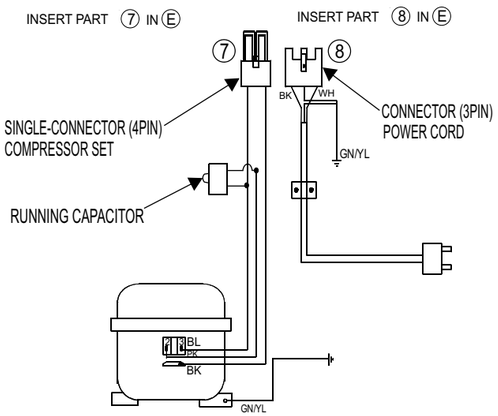
CONTROL BOX



ICE MAKER KIT



COMPRESSOR KIT

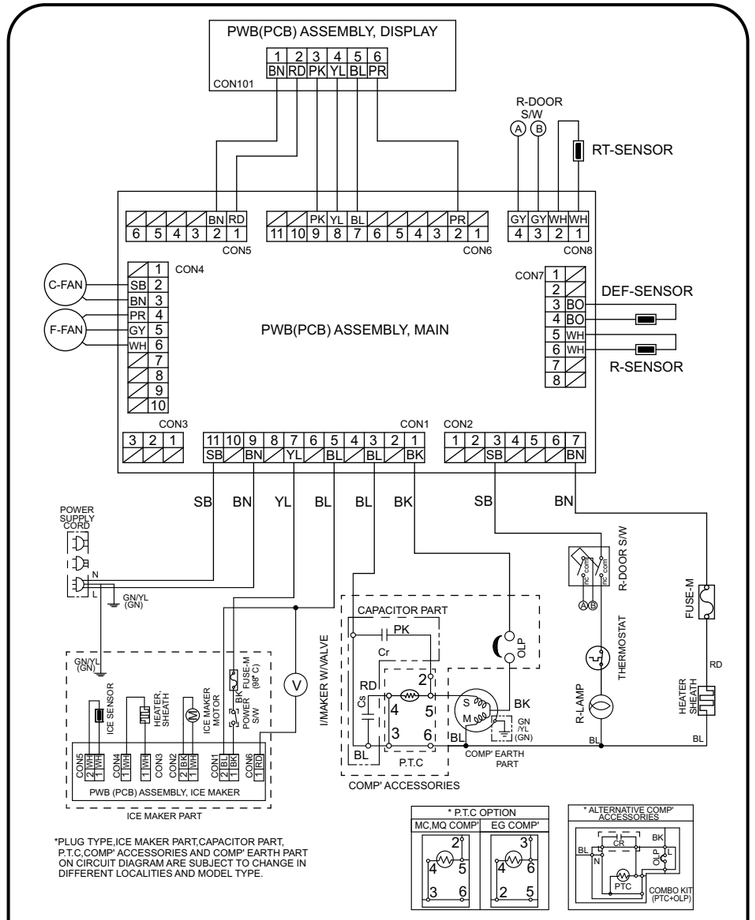


LEGEND

BK: BLACK / NOIR
BN: BROWN / BRUN
RD: RED / ROUGE
BO: BRIGHT ORANGE / VIF ORANGE
BL: BLUE / BLEU
GY: GREY / GRIS
GN: GREEN / VERT
YL: YELLOW / JAUNE
WH: WHITE / BLANC
PR: PURPLE / POURPLE
SB: SKY BLUE / CLAIR BLEU
PK: PINK / ROSE

Note: The figures in this page are related with the figures in page 2.

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

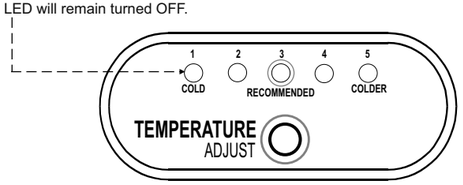
MICOM FAILURE DIAGNOSIS TABLE

CAUTION

1)If any error is detected, LED number 1 will not be ON and temperature adjust button will be disabled.
2)Remove power to unit to end test mode.

(1) FAILURE DIAGNOSIS FUNCTION

In error code, the R1 LED will remain turned OFF.



ERROR CODE displayed on Freezer Temp. Panel ◎ : ON ● : OFF

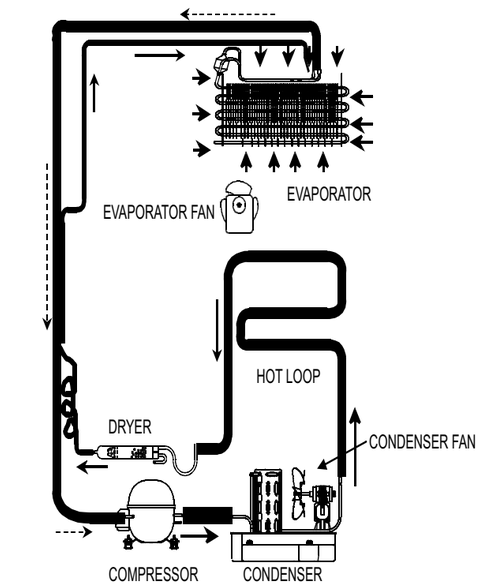
NO	ITEM	Error Code					Contents	Product Operation Status in Failure		
		R1	R2	R3	R4	R5		Compressor	Frz motor	Defrost Heater
1	Failure of Refrigerator Sensor	●	●	◎	●	●	Cut or short circuit wire.	15 min ON/ 15 min OFF	15 min ON/ 15 min OFF	Normal
2	Failure of Defrost Sensor	●	●	●	◎	●	Cut or short circuit wire.	Normal	Normal	No defrost
3	Failure of Room Temperature Sensor	●	●	●	●	◎	Cut or short circuit wire.	Normal	Normal	Normal
4	Failure of Defrost Mode	●	◎	◎	◎	◎	When defrost sensor does not reach 50°F within 1 hour after starting defrost	Normal	Normal	Normal
5	Failure of BLDC Fan Motor at freezer compartment.	●	●	◎	◎	◎	If there is no fan motor signal for more than 115 seconds in operation fan motor.	Normal	OFF	Normal

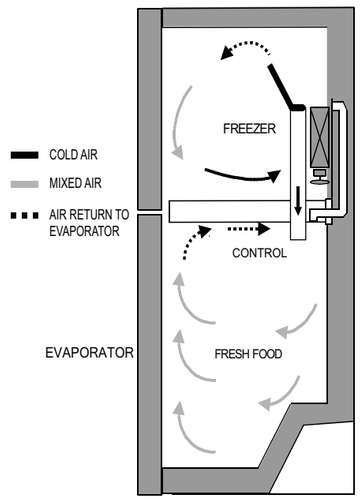
(2) TEST FUNCTION

* TEST BUTTON located in the MAIN PWB BOARD.

MODE	MANIPULATION	CONTENTS	REMARKS
TEST 1	Push the test button once.	1) COMP, FFAN and CFAN ON. 2) DEFROSTING HEATER OFF 3) ALL DISPLAY ON 4) LAMP RELAY ON/OFF OPERATED BY DOOR SWITCH.	The maximum time for TEST1 is 5 min.
TEST 2	Push the test button once while in TEST MODE 1. NOTE: To enter this mode, Freezer Compartment must be under 50°F (10°C).	1) COMP, FFAN and CFAN OFF. 2) DEFROSTING HEATER ON 3) DISPLAY LED (Please refer to the next figure)	**Ref. Temp. Display** ◎ ● ◎ ● ◎ ◎ : ON ● : OFF Operate max 1 Hr
Return to normal condition	Push the test button once while in TEST MODE 2.	Return to normal state (compresor will delay 7 minutes for power ON)	

AIR FLOW





TECHNICAL DATA

Part No. MBM61864304

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, nor 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 ..... 50°F
Electrical Rating : 115VAC, 60Hz ..... 1-5.2 A
Maximum Current Leakage 0.5mA
Maximum Ground Path Resistance ..... 0.14 Ohms
Energy Consumption ..... 19 cu.ft. 396kWh/yr (Energy Star)
22 cu.ft. 424kWh/yr (Energy Star)

For models:

795.69972.901, 795.69976.901, 795.69974.901, 795.69979.901, 795.79972.901, 795.79976.901, 795.79974.901, 795.79979.901, 795.69372.901, 795.69376.901, 795.69374.901, 795.69379.901, 795.79372.901, 795.79376.901, 795.79374.901, 795.79379.901, 795.69912.901, 795.69913.901, 795.69919.901, 795.79912.901, 795.79913.901, 795.79919.901, 795.69292.901, 795.69293.901, 795.69299.901, 795.79292.901, 795.79293.901, 795.79299.901

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 ..... 5.47 oz
Compressor ..... 700 BTU/hr

INSTALLATION

Clearance must be provided for air circulation.

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

REPLACEMENT PARTS

	19 cuft	22 cuft
Relay (PTC)	6748C-0004D	6748C-0004D
Overload Protector (OLP)	6750C-0005P	6750C-0005P
Defrost Thermostat	4781JK2001A	4781JK2001A
Defrost Heater	5300JK1003D	5300JK1003J
Evaporator Fan Motor	4681JK1004A	4681JK1004A
Capacitor	0CZZJB2012J	0CZZJB2012J
Compressor (Hi-side)	TCA33414101	TCA33414101
Evaporator (Lo-side)	5421JJ0003A	5421JJ0002A
Condenser	5403JJ1008A	5403JJ1008A
Dryer	5851JJ2002F	5851JJ2002F
Condenser Fan Motor	4681JB1029J	4681JB1029J
Temperature Control	6871JB2036D	6871JB2036D
Main Control	EBR41531306	EBR41531306

PERFORMANCE DATA (NORMAL OPERATING CONDITIONS)

AMB	WATTS	SYSTEM PRESSURE (PSIG)	
		HIGH SIDE	LOW SIDE
70°F	98 (+10 / -10)	98 (+5 / -3)	(-5) to (-2)
90°F	98 (+10 / -10)	132 (+3 / -3)	(-4) to 1
110°F	103 (+5 / -5)	180 (+5 / -5)	(-2) to 3