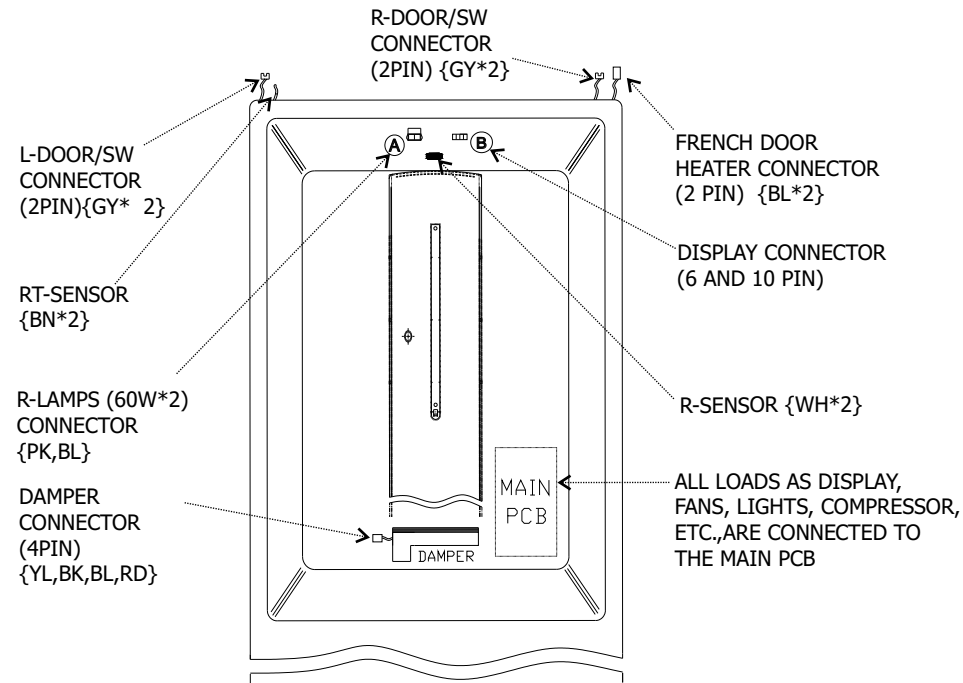


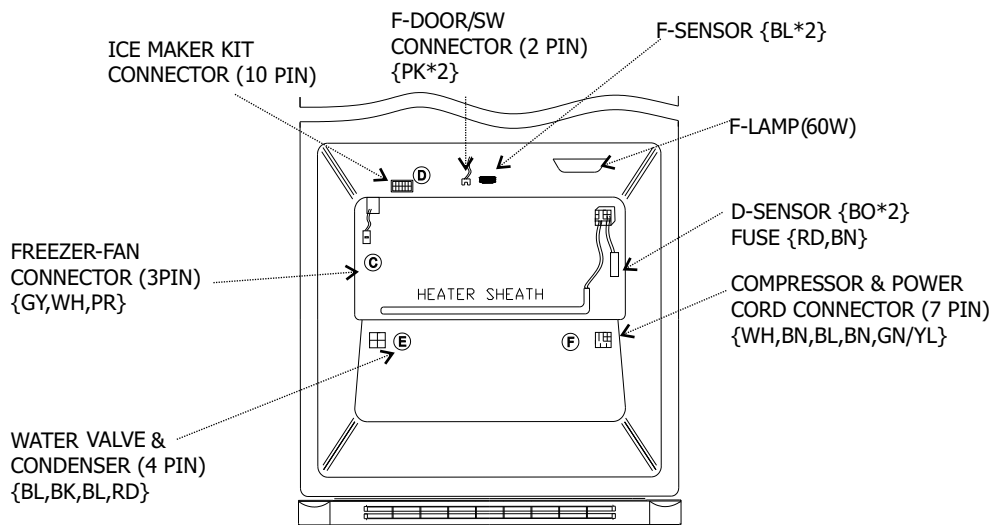
IMPORTANT DO NOT DESTROY

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

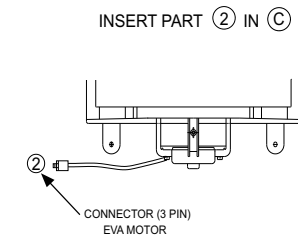
REFRIGERATOR COMPARTMENT



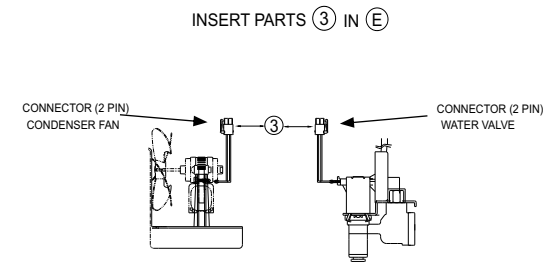
FREEZER COMPARTMENT



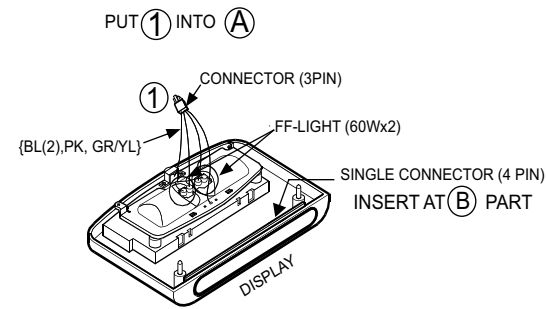
EVAPORATOR FAN ASSY



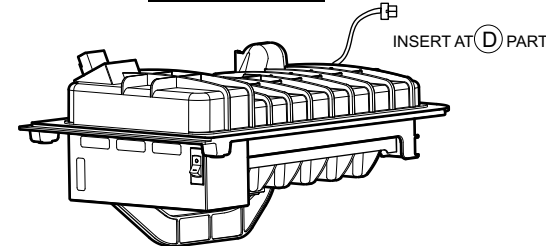
CONDENSER FAN & WATER VALVE ASSY



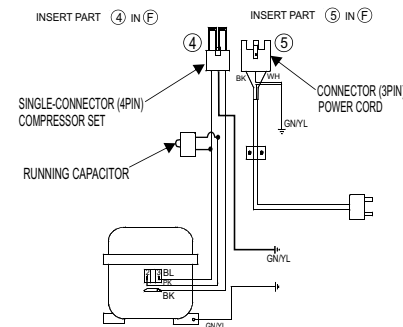
CONTROL BOX



ICE MAKER KIT



OVERLOAD PROTECTOR

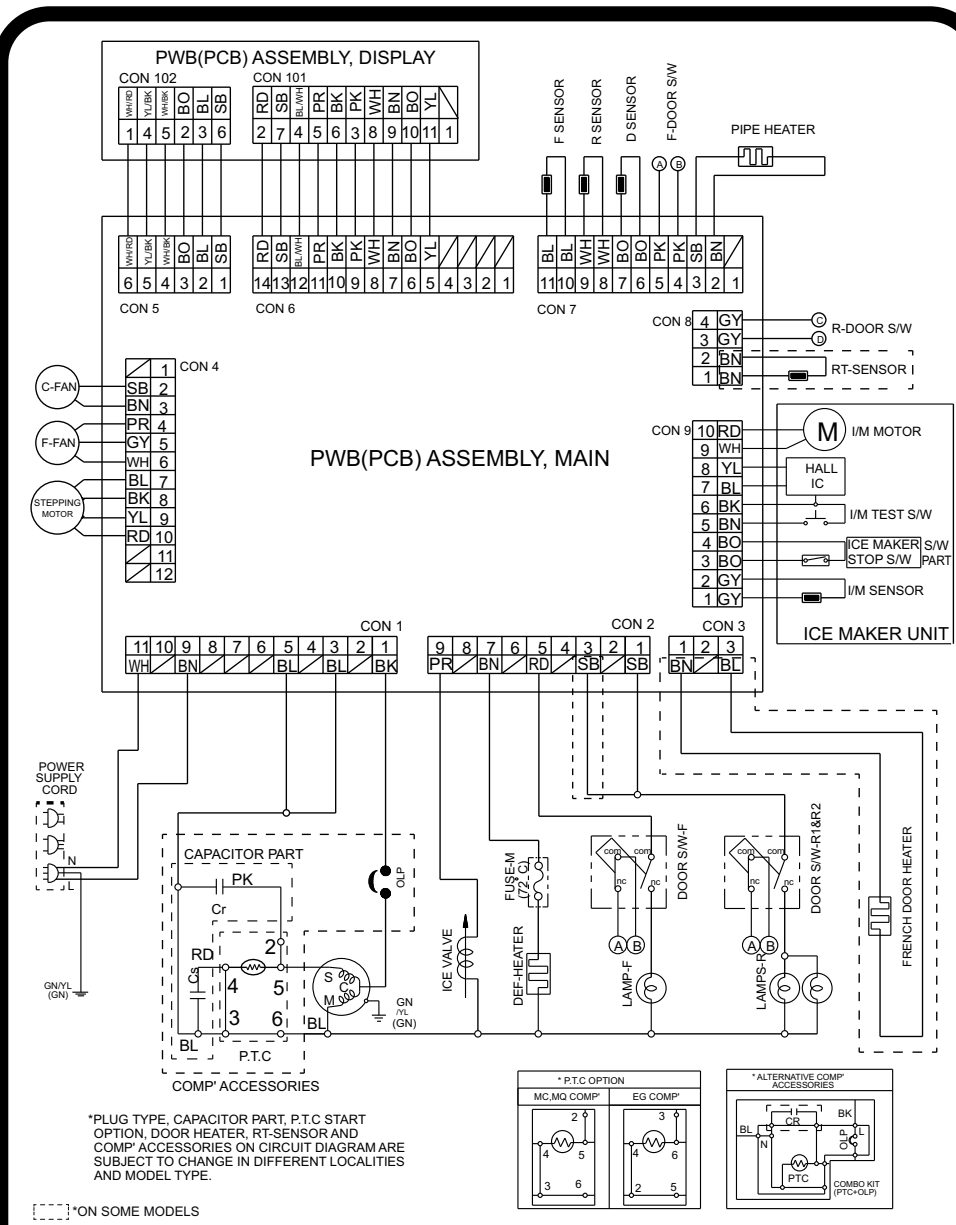


LEGEND

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 diagram in previous page.

CIRCUIT DIAGRAM



*PLUG TYPE, CAPACITOR PART, P.T.C START OPTION, DOOR HEATER, RT-SENSOR AND COMP ACCESSORIES ON CIRCUIT DIAGRAM ARE SUBJECT TO CHANGE IN DIFFERENT LOCALITIES AND MODEL TYPE.

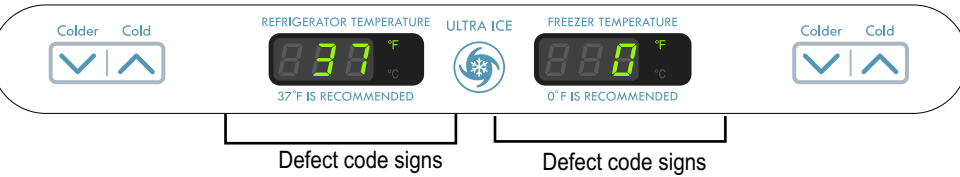
[] ON SOME MODELS

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

FAILURE DIAGNOSIS TABLE

Defect Diagnosis Function

Micom error are separated in "Main Errors" (Affect directly refrigerator performance) and "Secondary Errors" (don't affect the refrigerator performance).
To check in Display the error present, is necessary press Cold key on freezer and Cold key on refrigerator more than 1 Second, if no there any error, all LED will be illuminated, if a main error is present, only certain LED will be illuminated, in case of secondary errors, only one LED or icon will not illuminated.



ERROR CODE on display panel

No.	Item	Error Indication	Contents	Remarks
1	Normal	NOTCH Indication	None	DISPLAY switch operates normally
2	Failure of Freezer sensor	Er	Fs	Cut or short circuit wire
3	Failure of Refrigerator sensor	Er	rS	Cut or short circuit wire
4	Failure of Defrost sensor	Er	dS	Cut or short circuit wire
5	RT-Sensor Error	Er	rt	Cut or short circuit wire
6	Failure of Defrost mode	Er	dH	When defrost sensor does not reach 8°C within 1 hour after starting defrost.
7	Failure of BLDC fan motor at freezing compartment	Er	FF	If there is no fan motor signal for more than 115 sec in operation fan motor.
8	Failure of Icemaker Kit	Er	It	Failure of wires such as motor in I/M KIT GEAR, HALL IC
9	Failure of Icemaker sensor	Er	IS	Snapping or short circuit of ice making sensor

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

When an error occur the first 3 hours the Primary Error and Secondary Error is indicated in the display check mode (Pressing Cold key on freezer and Cold key on refrigerator more than 1 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 occur all display lights turn OFF except the Freezer Temperature (Trouble Code Index) indicating the failure mode.

*LED check function: When there's no error, If simultaneously pressing the Cold key of Refrigerator Temp and the Cold key of freezer temp for a second, all display LED graphics on. If releasing the button, the LED graphics displays the previous status.

Note2: In Case of Icemaker ready models, discard Icemaker Sensor error until Icemaker kit will be connected.

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 on the 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	CONTENTS	REMARKS
TEST1	Push TEST switch (on the main Board) Once. <Cooling MODE>	1. Continuous operation of the compressor and the freezer fan. 2. Stepping Damper OPEN 3. Defrosting Heater OFF 4. Display LED all ON	Maximum test time: 5 minutes
TEST2	Push TEST switch once in TEST MODE 1. < Forced defrosting MODE>	1. Compressor and the freezer fan OFF 2. Stepping Damper CLOSE 3. Defrosting heater ON 4. Display LED shows 2	Maximum test time: 2 hours. Reset if the temperature Of the defrosting sensor is 8°C (46°F) or more.
Return to Normal	Push Test switch on the main PCB once.	Return to initial status (COMP 7 min delay)	

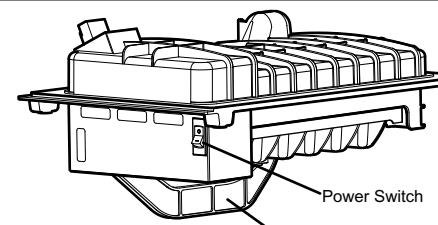
* Freezer Fan RPM Variable Check:

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:

- 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..
- The LED panels will display OFF, to indicate that the compressor, circulating fan, damper, and defrost heater are not operating.
- The Open Door Alarm and the Lamp Auto-Off feature will work normally and can be demonstrated.
- To reset to normal operation, press and hold either Cold Key for about 5 seconds.

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**.

Water Supply Function

This function is for supply water to tray, by the mechanic water valve, when ice ejecting finish and tray return to initial position. Water supply quantity depend of DIP S/W. If water supply setting is changed while system is energized, change will be made immediately. But if change occurs when water supply function is working, change will be executed next cycle of icemaker

Water Supply Time Table

No	DISP S/W		Water Supply Time	Note
	S1	S2		
1	OFF	OFF	9.0	DIP S/W Setting will be depend of water pressure
2	ON	OFF	8.0	
3	OFF	ON	10.0	
4	ON	ON	11.0	

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, 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 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. 466 kWh/yr (Energy Star)

For models: 795.7130★

★ = color number

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 687 BTU/hr

INSTALLATION

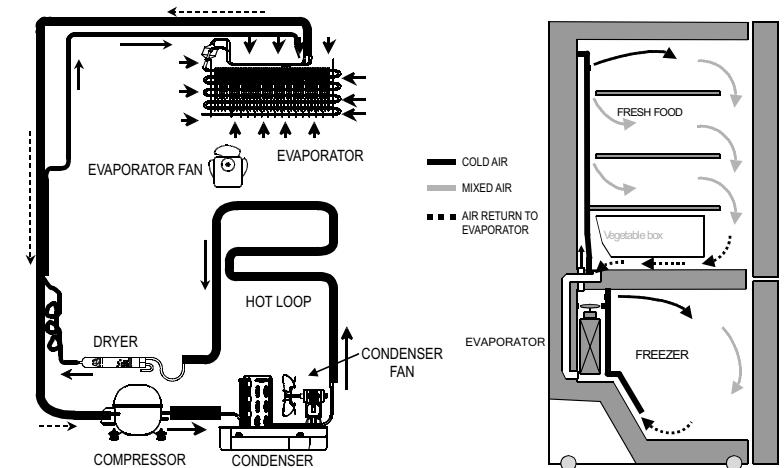
Clearance must be provided at top, sides and rear of the refrigerator for air circulation.

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

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

AIR FLOW



— COLD AIR
— MIXED AIR
- - - AIR RETURN TO EVAPORATOR