**IMPORTANT SAFETY NOTE**

The information provided herein is designed to assist qualified repair personnel only. Untrained persons should not attempt to make repairs due to the possibility of electrical shock. Disconnect power cord before servicing this appliance.

**IMPORTANT**

If any green grounding wires are removed during servicing, they must be returned to their original position and properly secured.

**NOTE**

This product comes equipped with an Adaptive Defrost Control (ADC). To activate manual defrost, simultaneously press and hold the Fresh Food up (+) and Fresh Food down (-) keys for 5 seconds. A “d” in the freezer temperature window and “F” in the refrigerator temperature window will display when the heater is activated. To deactivate manual defrost, simultaneously press and hold the Fresh Food up (+) and Fresh Food down (-) keys for 5 seconds. A “d” and “F” will be displayed until the defrost cycle is complete.

**CAUTION**

All electrical parts and wiring must be shielded from torch flame. DO NOT allow torch to touch insulation; it will char at 200°F and flash ignite (burn) at 500°F. Excessive heat will distort the plastic liner.

**SERVICE DATA SHEET**

**240389646**

**ICE & WATER - AUTOMATIC DEFROST**

**BOTTOM FREEZER - R134a**

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**ICE MAKER ERRORS Displayed on “UI”**

- **ERROR**
- **Test**
- **Diagnostic Mode**
- **Note:**
- **See Service Manual for complete description.**

None

Activate: Hold FF (+) and FZ (+) for 5 sec.

52C Ice tray thermoster temperature displayed - OK, OP open, SH short

55C Water valve test

57C Fan test, on or off

58C Ice level sensor switch test

63C Harvest motor system test

De-activate: Hold FF (+) for 5 sec.

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**System Error Codes Displayed on “UI”**

- **ERROR**
- **Test**
- **Diagnostic Mode**
- **Note:**
- **See Service Manual for complete description.**

**OP or 2**

Freezer Sensor OPEN

1 Standard compressor

2 Defrost heater

3 Defrost limit switch

8 Water valve,water disp.

9 FZ lighting

10 Auger motor

11 Cube/brust solenoid

12 VCC Condensor fan

15 Evaporator fan

**SH or 3**

Freezer Sensor SHORTED

22 Damper

23 Fresh food door

24 Freezer door

26 Defrost limit switch

36 Ice door

29 FF Thermostat

30 VCC Compressor

33 Ambient Thermostat

38 Software version

**SY**

Evaporator Fan Circuit

41 Perfect Temp Drawer

42 VCC Condensor fan

**SY**

Communication error

43 Ice maker function to complete the cycle.

**SF**

In Manual Defrost (See Note)

38 VCC Compressor

**SY**

Communication error

43 Ice maker function to complete the cycle.

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**FREEZER ICE MAKER INFORMATION**

**Test Cycling:** Remove cover by inserting screwdriver in notch at bottom and prying cover from housing. Use screwdriver to rotate motor gear counterclockwise until holding switch circuit is completed. All components of Ice maker should function to complete the cycle.

**Water Fill Volume:** The water fill adjustment screw will change the fill time. One full turn is equal to 20cc (.68 oz). The correct fill is 102 to 130cc (3.4 to 4.3 oz). When a water valve is replaced, the fill volume must be checked.

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**Illustration:**

[Diagram of Ice Maker System]

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**Please return this sheet to its original location.**