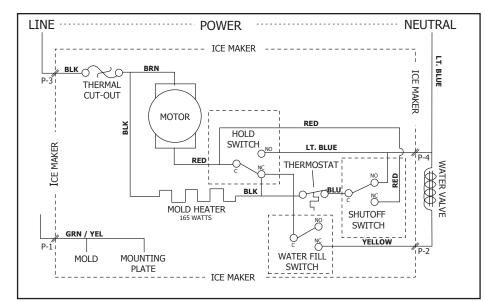
PEI	RFORMANCE DA		& NO DOOR OL SETTING		IGS AT	37°/0°	
Type A with Run	n / Start Capacitor	65°F (18°C) Ambient		90°F (32°C) Ambient			
Operating Time	Operating Time		90 to 100%		100%		
Freezer Temperature		-5° to 2°F (-20° to -17°C)		-1° to 3°F (-18° to -16°C)			
Refrigerator Ten	Refrigerator Temperature		34° to 39°F (1° to 4°C)		34° to 39°F (1° to 4°C)		
Low Side Pressure		-2 to 6 psig (-14 to 41 kPa)		-2 to 6 psig (-14 to 41 kPa)			
High Side Pressure (last 1/3 cycle)		85 to 105 psig (586 to 724 kPa)		120 to 135 psig (827 to 931 kPa)			
Wattage (last 1/	Wattage (last 1/3 cycle)		30 to 50		50 to 70		
Amps (running)		.4 to .8		.7 to .9			
Base Voltage		115 vac (127 vac max)					
		DEFROST S	PECIFICATIO	ONS			
		Thermal Cutout		Heater		Defrost Thermistor Termination	
Cabinet Size:		Cut-in	Cut-out	Watts	Ohms	Cut-out	
27′ & 28′ SD, 22′ CD	Freezer	110°F (43.3°C)	135°F (57.2°C)	500	26.5	48°F (8°C)	
	Fresh Food Ice Maker	110°F (43.3°C)	135°F (57.2°C)	70	188.9	68°F (20°C)	
Electronic Timer - (ADC) Defrost 24 minutes every 6-96 hours of compressor run time.							
		CONDENSE	ER FAN MOTO	OR			
v	Vatts	RPM		Amps			
3.1		1100 CW Opposite Shaft		0.03 Running			
	FREE	ZER ICE MA	KER SPECIFI	CATION	S		
Electrical		115 vac (127 vac max)					
Thermostat		Opens at 48°F (9°C), Closes at 15° F (-9°C)					
Heater Voltage		115 vac					

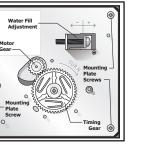


All electrical parts and wiring must be shielded from torch flame. DO NOT allow torch to touch insulation; it will char at 200°F and flash ignite (burn) at 500°F. Excessive heat will distort the plastic liner.

FREEZER ICE MAKER INFORMATION (Where Applicable)

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.



SERVICE DATA SHEET

A06589001

ICE & WATER - AUTOMATIC DEFROST

BOTTOM FREEZER - R134a

IMPORTANT: PLEASE RETURN THIS SHEET TO ITS ORIGINAL LOCATION.

 \Rightarrow

ERROR CODES		ROR CODES	SPECIAL MODES				
Dis	Display Interpretation		Mode	Display		Activate	Deactivate
FZ	FF			FZ	FF	(press for up to 10 sec. simultaneous	
	OP	Open FF Cavity Thermistor	Manual Defrost	d F		+ and -	Same to deactivate
OP		Open FZ Cavity Thermistor	Demo / Showroom	77	77	∧ and -	Unplug to deactivate
	SH	Shorted FF Cavity Thermistor	Sabbath	Sb	Sb	v and +	Same to deactivate
SH		Shorted FZ Cavity Thermistor	System Diagnostic	No FF or FZ display, all UI LEDs on		∧ and v	Press and hold + to deactivate
SY	CF	UI to Main Board communication failure; on start up	Current Air Temps	FZ Temp	FF Temp	v and + and Water	Automatically after 10 sec
SY	CE	UI to Main Board communication error; after a period in operation	FFIM Diagnostic	Numerical display of first test		∧ and +	Press and hold + to deactivate
SY	EF	Freezer Evaporator Fan Failure	 Notes: Always check for pin back-outs, pinched or damaged wires before replacing components. Determine whether failure is caused by the component, main control board or wiring. Contact TID before replacing main control board. Refer to Service Manual for additional information. 				
dl	SP	Ice Chute Door is open; check for obstruction					
	FRESH FOOD ICE MAKER DIAGNOSTIC MODE						
Activ	vate:	Press \wedge and + temper	ature pads for up to 1	0 sec. simu	taneously.		

Press 🔨 and + temperature pads for up to 10 sec. simultaneously. Press + or - to move forward or backward through tests. Deactivate: Press + for up to 10 sec. FFIM Diagnostic Mode will automatically deactivate after 5 min. of inactivity. NOTE: Silence alarm. To activate test Test Passing Result 52C Ice Maker Thermistor Activates FZ display shows temperature sensed by Ice Maker Thermistor. "OP" if open; "SH" if short automatically 55C Water Valve Press set Remove ice tray to collect water into a measuring container to measure water fill. If collecting water into ice tray, first perform test 63C to empty ice tray. 57C Evaporator Fan (FFIM) Press set "On" on FZ display when fan activated, "OFF" when deactivated. Ice Level Sensor Activates Remove ice bucket. Allow bail arm to drop freely. Pass if no alarm when tray returns to "home" position. automatically 58C Hold bail arm up. Pass if alarm sounds when tray returns to "home" position. This test runs continuously until another test is selected. 63C Twist Tray Remove ice bucket. Press set FZ display shows "1" and "GOOD".

	FRESH FOOD ICE MAKER FILL TIME ADJUSTMENT MODE					
NOTE: First consider water filter condition before adjusting fill time.						
Activate:	Press and hold the Water and Crush pads for up to 10 seconds. Press + or - to adjust between the 3 fill settings.					
Deactivate:	Exits automatically after 10 seconds, or press any button other than + or					
Display		play	Description			
	FZ	FF	Description			
		-	Min Fill Time (default)			
	IC =		Mid Fill Time			
		=	Max Fill Time			
,						

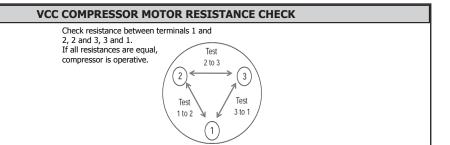
		1	M DIAGNOSTIC MODE		
Activ		<u> </u>	10 sec. simultaneously. Press + to advance through tests.		
Deactivate:		Press + for up to 10 sec. Diagnostic Mode will automatically deactivate after 5 min. of inactivity. Note: Silence alarm.			
 Test Test Viev 	s marked with "*" may displayed in diagnost UI display for "on," "o on for opporting cound	not be applicable to this ic mode but not describe off," "CL," "OP," "SH," "LO,"	unit and will not be displayed in System Diagnostic Mode. d below are for internal purposes only; advance through. "HI" or numerical results of tests. as appropriate to determine results of tests.		
• LISU	Test	To activate test:	Passing result		
	First Screen				
			All LEDs on UI illuminated, except digit displays.		
	Second Screen		All segments of UI digit displays illuminated.		
	Third Screen	 Dross disp. paddla	Blank UI display, no LEDs illuminated. "On" on UI when depressed; "off" when released		
<u>28</u> 46	Dispenser Paddle Humidity Sensor	Press disp. paddle Activates automatically	"OP" if open, "SH" if short. AC Heater System: Displays %RH. DC Heat System: "HI" - heater should be on. "Lo" - heater should be off. %RH i displayed when humidity is between "Lo" and "HI" values; heater could be on or off.		
47	Dispenser Pocket Heater	Press set	Heater on when "on' off when "off".		
2	Freezer Defrost Heater	Press set	Freezer defrost heater on when "on"; off when "off". Evaporator therm tor temperature is flashed. Watch for temp increase with the heater on may take a few minutes for the evaporator to heat up.		
8	Water Valve (Dispenser)	Press set	FF door must be closed. Be prepared to collect water at dispense Water dispenses when "on"; stops when "off"		
10	Auger Motor	Press set	FF door must be closed. Motor running when "on"; motor stopped when "		
11	Cube/Crush Solenoid	Press set	FF door must be closed. Do not leave solenoid in activated state. Solenoid activated when "on"; deactivated when "off".		
12	Condenser Fan	Press set	Fan running when "on"; stopped when "off"		
43	Mullion Anticonden- sation Heater	Press set	Flip mullion heater on when "on"; off when "off"		
38	VCC Compressor	Press set	Compressor running when "on"; off when "off"		
13	FF Lights	Press set	FF lights on when "on"; off when "off"		
15	Freezer Evaporator Fan	Press set	Press to toggle between "off", "LO" and "HI". A current sensor reading flashed (units are not mA). OFF reading should be around 2. "LO" spee reading should settle down to around 9. "HI" speed reading should set down above 40.		
20	FZ Lights	Press set	FZ lights on when "on", off when "off"		
22	Damper	Press set	Perform test 15 and set fan to "HI". Then check for air flow when open "OP"; and no air leaks when closed "CL"		
36	Ice Chute Door	Depress ice chute door or press set	"OP" on UI when manually opened; "CL" when closed . Or using "powe on-off", motor drive door open "OP" or closed "CL"		
23	FF Door	Open/Close FF door	"CL" on UI when door closed; "OP" when open		
24	FZ Door	Open/Close FZ door	"CL" on UI when door closed; "OP" when open		
26	Ice Maker Defrost Heater	Activates automatically	Heater is turned on automatically. The ice maker evaporator thermistor temperature is flashed. Watch for temp increase with the heater on. It may take a few minutes for the evaporator to heat up.		
29	FF Thermistor	Activates automatically	UI shows temperature sensed by FF thermistor; pass if within 10°F of temp ture measured with gauge at FF thermistor location. "OP" if open; "SH" if sh		
30	FZ Thermistor	Activates automatically	UI shows temperature sensed by FZ thermistor; pass if within 10°F of temperat measured with gauge at FZ thermistor location."OP" if open; "SH" if short		
33	Ambient Thermistor @ Main Board	Activates automatically	UI shows temperature sensed at main board; pass if within $+20^{\circ}$ F/ -10° F of temperature measured with gauge at main board location. "OP" if open; "SH" if sl		
34	@ UI	Activates automatically	UI shows temperature sensed at UI; Pass if within $+20^{\circ}$ F/- 10° F of temperature measure with gauge at UI location. "OP" if open; "SH" if short		
39	Freezer Evaporator Thermistor	Activates automatically	UI shows temperature sensed by freezer evaporator thermistor; pass if within 10°F of temperature measured with gauge at evaporator thermi- location."OP" if open; "SH" if short		
45	Ice Maker Mold Thermistor	Activates automatically	UI shows temperature sensed at ice maker; pass if within $+20^{\circ}F/-10^{\circ}F$ of teperature measured with gauge at ice maker mold. "OP" if open; "SH" if shows the sense of th		
68	Ice Maker Evaporator Thermistor	Activates automatically	UI shows temperature sensed by evaporator thermistor; pass if within 10°F of temperature measured with gauge at evaporator thermistor loc tion. "OP" if open; "SH" if short		
0-	Firmware Parameters	Press set	Displays digit sequence; record		
1-	Main Board Firmware	Press set	Displays digit sequence; record		
3-	UI Firmware	Press set	Displays digit sequence; record		

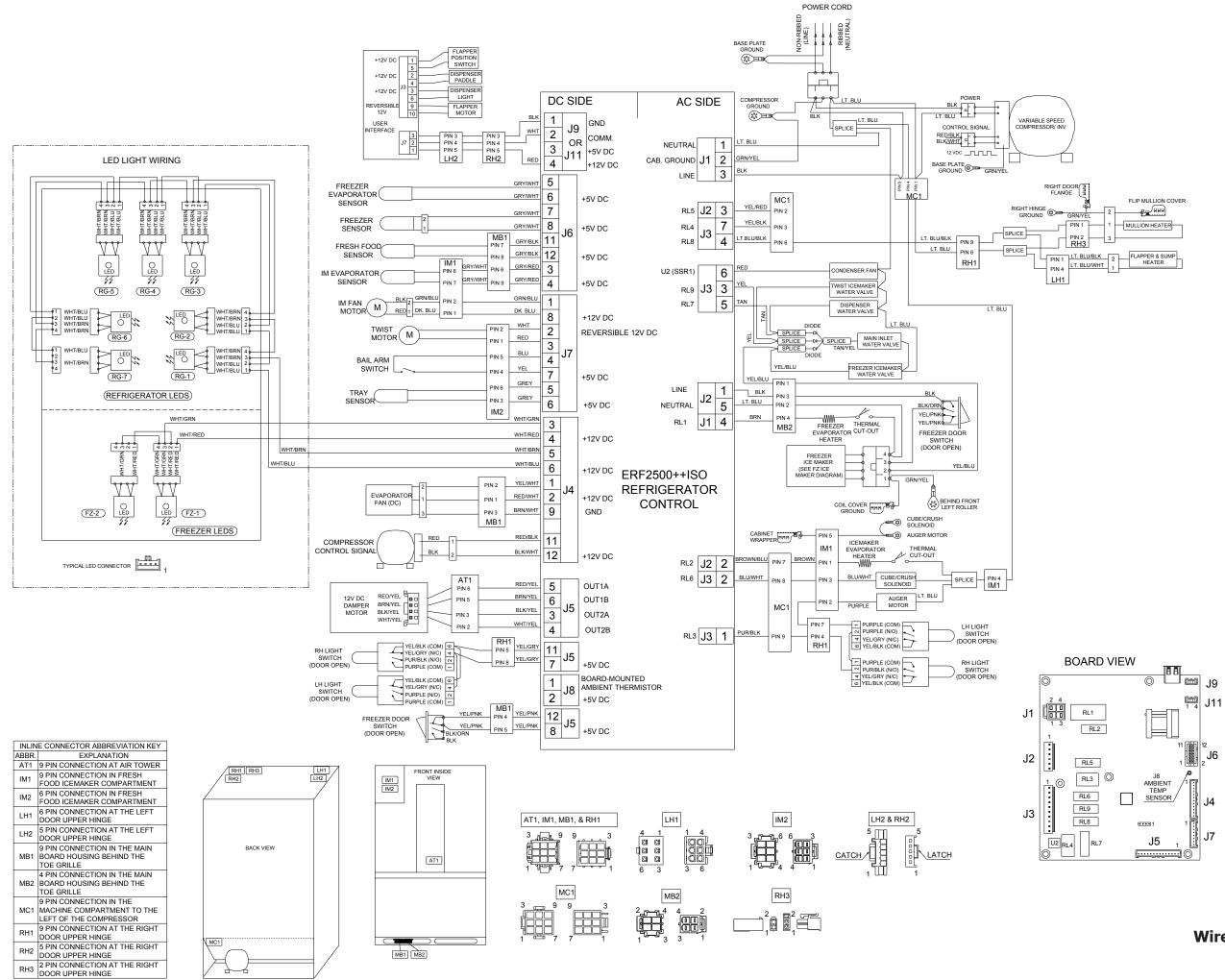
→ IMPORTANT
The information provident of attempt to make reaction of the second seco
IMPORTANT
If any green grounding

properly secured.

ed herein is designed to assist gualified repair personnel only. Untrained persons should epairs due to the possibility of electrical shock. Disconnect power cord before servicing

wires are removed during servicing, they must be returned to their original position and





Wire Diagram A06742101