



PERFORMANCE DATA NO LOAD & NO DOOR OPENINGS AT 37°/0° CONTROL SETTING				
Type A with Run/Start Capacitor	65°F (18°C) Ambient	90°F (32°C) Ambient		
Operating Time	74 to 84%	100%		
Freezer Temperature	-5° to 2° F -20° to -17° C	-1° to 3° F -18° to -16° C		
Refrigerator Temperature	34° to 39° F 1° to 4° C	34° to 39° F 1° to 4° C		
Low Side Pressure (cut-in)	5 to 12 psig 34 to 83 kPa	N/A		
Low Side Pressure (cut-out)	-2 to 2 psig -14 to 14 kPa	-2 to 2 psig -14 to 14 kPa		
High Side Pressure (last 1/3 cycle)	85 to 95 psig 586 to 655 kPa	120 to 135 psig 827 to 931 kPa		
Wattage (last 1/3 cycle)	45 to 55	60 to 70		
Amps (running)	.6 to 1.1	.7 to .9		
Base Voltage	115 vac (127 vac max)			
DEFROST SPECIFICATIONS				
Cabinet Size	Thermostat		Heater	
	Cut-in	Cut-out	Watts	Ohms
23' SD, 28' SD, 23' CD	25° F (-4° C)	47° F (8° C)	500	31
Electronic Timer - (ADC) Defrost 24 minutes every 6-96 hours of compressor run time.				
CONDENSER FAN MOTOR				
Watts	RPM	Amps		
3.1	1100 CW Opposite Shaft	0.03 Running		

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.

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.

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.

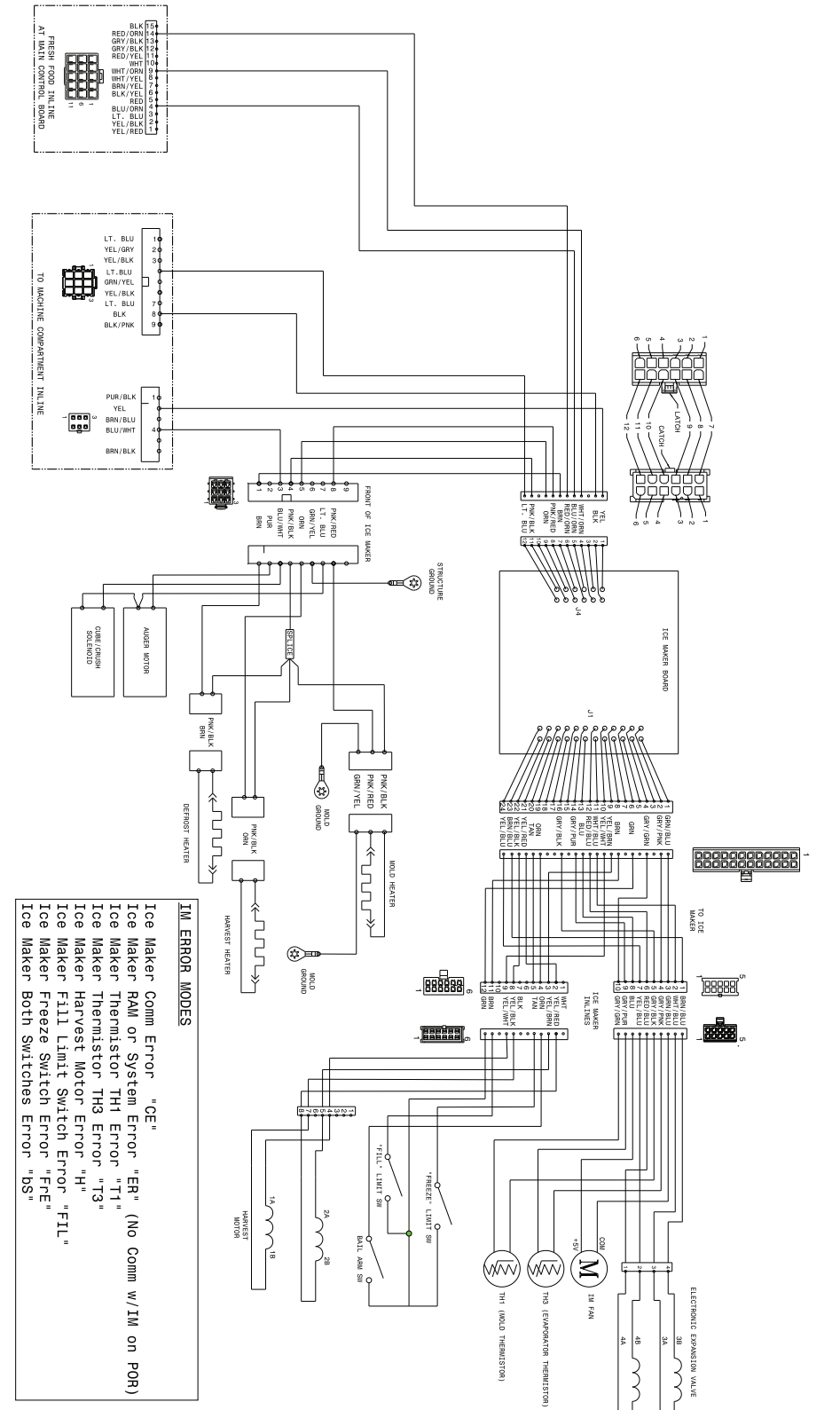
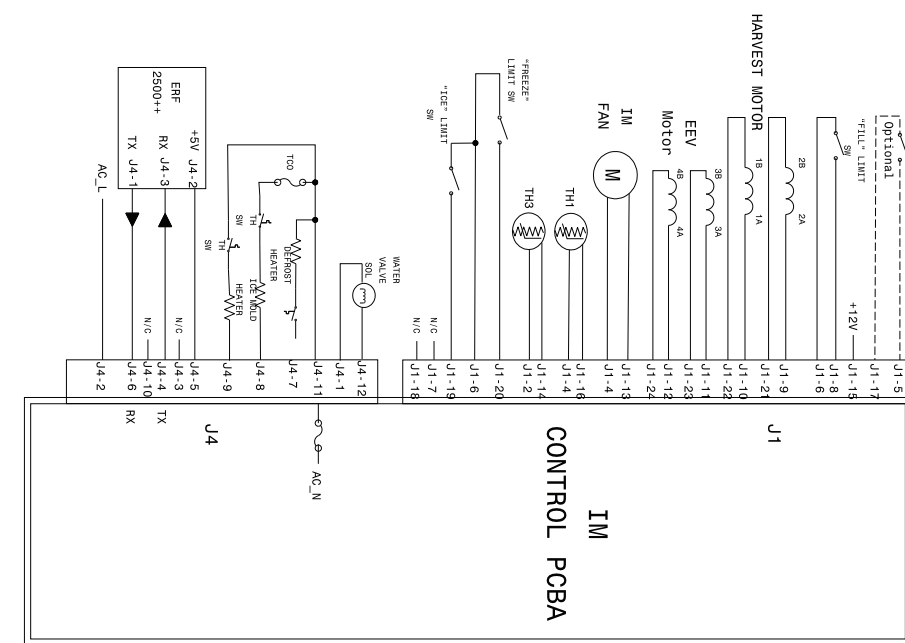
SERVICE DATA SHEET

241940601

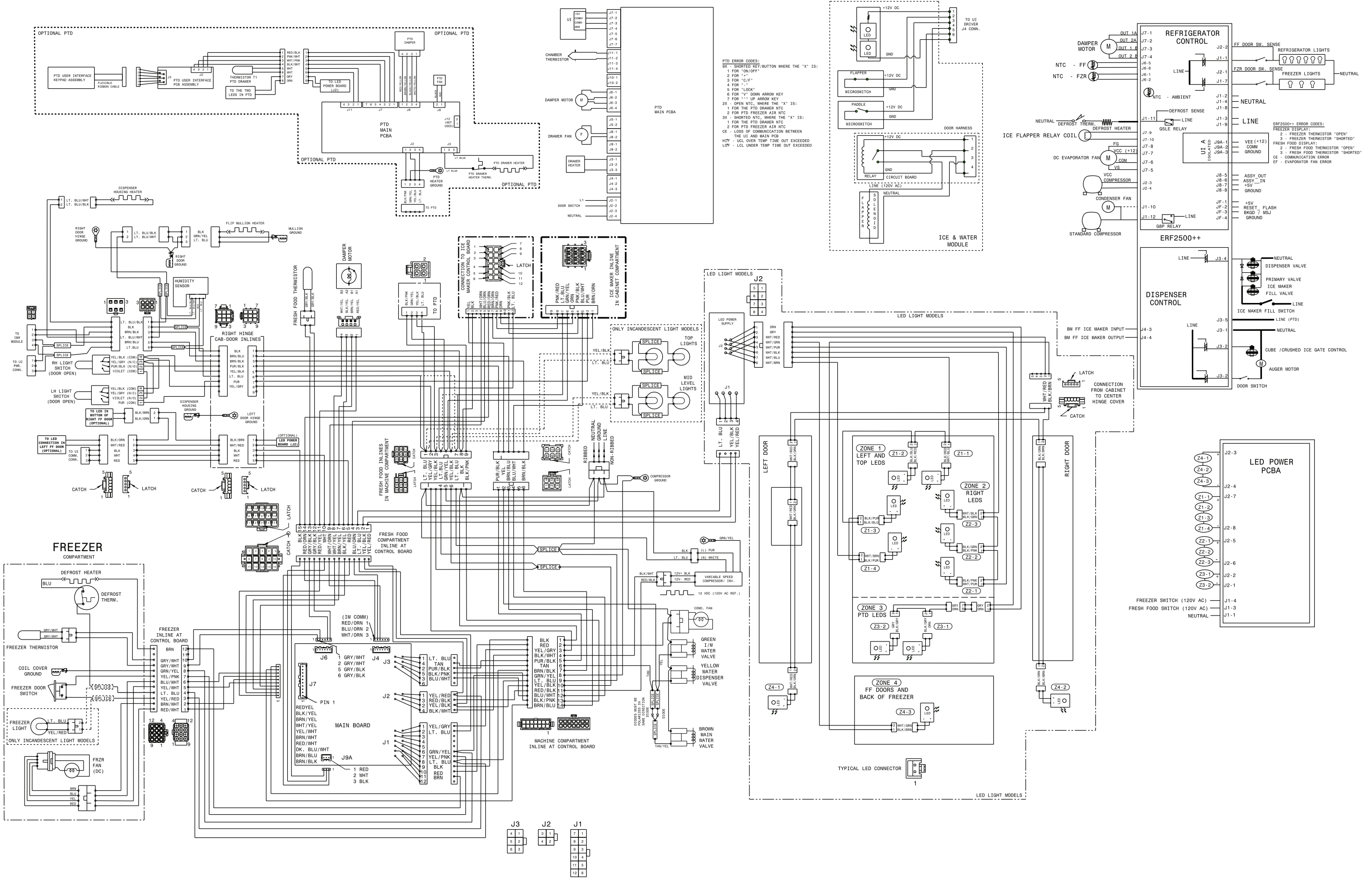
ICE & WATER - AUTOMATIC DEFROST

BOTTOM FREEZER - R134a

Ice Maker Errors Displayed on "UI"					
ERROR	Code	Test	Diagnostic Mode	Note: See Service Manual for complete description.	
Ice	Er	IM/RAM Error (on POR only) Detection -- on POR only. This error is detected as "no com/ data link with IM" by ERF 2500++ system controller (PB).	48C	Freezer Recover Mode, "1" ok "Fr" Recovery mode, Ice maker in "off" state. (See Note)	57C Fan test, on or off
Ice	IP	Invalid Protocol (this error is detected when the version of I/M pcb does not match version of 2500++ system controller)	49C	EEV On=Open Off=Closed, EEV must be in the open state for sealed system evacuation.	58C Ice level sensor switch test
Ice	CE	IM Com Lost only after POR (no communication between the I/M pcb and the 2500++ system controller.)	50C	Com Link "1" ok "ER" error	59C Fill limit switch test (See Note)
Ice	t3	TH3 Error (open or short) This error is detected when the thermister has failed on the suction line of the I/M.	51C	TH1 Status "1" ok "ER" Replace	60C Freeze limit switch test (See Note)
			52C	TH3 Status "1" ok "ER" Replace	61C IM evap heater test
			54C	Mold heater test, on or off	62C EEV test
			56C	Finger evap heater, on or off	63C Harvest motor system test (See Note)
			55C	Water valve test (See Note)	64C Software version
De-activate: Hold FF (+) for 5 sec.					
System Error Codes Displayed on "UI"					
ERROR	Code	Test	Diagnostic Mode	Note: See Service Manual for complete description.	
OP or 2		Freezer Sensor OPEN	1	Standard compressor	22 Damper
SH or 3		Freezer Sensor SHORTED	2	Defrost heater	23 Fresh food door
OP or 2		FF Sensor OPEN	3	FF lighting	24 Freezer door
SH or 3		FF Sensor SHORTED	8	Water valve, water disp.	26 Defrost limit switch
SY	EF	Evaporator Fan Circuit	9	FZ lighting	28 Dispenser paddle
SY	CE	Communication error	10	Augar motor	36 Ice door
SY	CF	Communication failure	11	Cube/crush solinoid	29 FF Thermistor
		To initiate manual defrost press and hold, for 5 sec. FF(+) and FF(-), (d) and (f) will be displayed.	12	VCC Condensor fan	30 FZ Thermistor
			38	VCC Compressor	33 Ambient Thermister
			15	Evaporator fan	34 Software version
De-activate: Hold FF (+) for 5 sec.					



IMPORTANT
PLEASE RETURN THIS SHEET TO IT'S ORIGINAL LOCATION.



PTD ERROR CODES:
 8X - SHORTED KEY/BUTTON WHERE THE "X" IS:
 1 FOR "ON/OFF"
 2 FOR "+"
 3 FOR "C/F"
 4 FOR "L"
 5 FOR "LOCK"
 6 FOR "V" DOWN ARROW KEY
 7 FOR "↑" UP ARROW KEY
 8X - OPEN NTC, WHERE THE "X" IS:
 1 FOR THE PTD DRAWER NTC
 2 FOR PTD FREEZER AIR NTC
 3X - SHORTED NTC, WHERE THE "X" IS:
 1 FOR THE PTD DRAWER NTC
 2 FOR PTD FREEZER AIR NTC
 CE - LOSS OF COMMUNICATION BETWEEN THE UI AND MAIN PCB
 HT - UCL OVER TEMP TIME OUT EXCEEDED
 LY - LCL UNDER TEMP TIME OUT EXCEEDED

LED LIGHT MODELS
 ONLY INCANDESCENT LIGHT MODELS

ERF2500+ ERROR CODES:
 FRESH FOOD DISPLAY:
 2 - FREEZER THERMISTOR "OPEN"
 3 - FREEZER THERMISTOR "SHORTED"
 FRESH FOOD DISPLAY:
 2 - FRESH FOOD THERMISTOR "OPEN"
 3 - FRESH FOOD THERMISTOR "SHORTED"
 CE - COMMUNICATION ERROR
 EF - EVAPORATOR FAN ERROR

