**Tech Sheet** 

**Do not Discard** 



#### **Electrical Shock Hazard**

Only authorized technicians should perform diagnostic voltage measurements.

After performing voltage measurements, disconnect power before servicing

Failure to follow these instructions can result in death or electrical shock.

# AWARNING

**Electrical Shock Hazard** Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

Voltage Measurement Safety Information When performing live voltage measurements, you must do the following:

- Verify the controls are in the off position so that the appliance does not start when energized.
- Allow enough space to perform the voltage measurements without obstructions.
- Keep other people a safe distance away from the appliance to prevent potential injury.
- Always use the proper testing equipment.
- After voltage measurements, always disconnect power before servicing

Component	Specifications All Parts - 115 VAC/60 Hz unless noted	
Cooling		
Compressor	BTUH  Watt  Current lock rotor  Current full load  Resistance full windings  Resistance start windings	Variable VEMX11C+ 60 Hz/47 to 155 W 2.1 A 2.1 A will be shared as soon as supplier shares will be shared as soon as supplier shares
*Electric Damper Control	Maximum closing time  Temperature rating	16 seconds -11°F to 110°F/ -12°C to 43°C 3
Condenser Motor	Rotation	Clockwise  940 RPM  3.9 ± 15% W  @ 115 VAC
Refrigerator Evaporator Fan Motor	Rotation(facing end opposite shaft) RPM	Clockwise  940 RPM  2.5 ± 15% watts @12.7 VDC

### **Component Specifications**

Component	Specifications All Parts - 115 VAC/60 Hz unless noted									
Cooling										
Freezer	Rotation	Clockwise								
Evaporator Fan	RPM	2700 RPM								
Motor	Watt	5.5 ± 15% W @ 12.7 VDC								
	<b>NOTE:</b> Fan blade must be fully seated on shaft to achieve proper airflow.									
Freezer	Wattage	365 ± 5% W								
Evaporator Heater	Resistance	36.2 ± 5% Ω								
Controls										
Control Board	Volt	120 VAC, 60 Hz								
	See control board section for diagnostics.									
Thermistor	Temperature	Resistance								
	77°F/25°C	2700 Ω ± 5.0%								
	36°F/2.2°C	7964 Ω ± 1.0%								
	0°F/-18°C	23,345 Ω ± 2.0%								
*Light Switch	Type	SPDT NO/NC								
	Volt	125/250 VAC								
	Current	8/4 A								
Ice and Water										
Dual Water Valve	Watts	Green side: 10 W								
		Red side: 35 W								
Isolation Valve	Watts	20 W (Green)								
Ice Box Fan	Rotation	Clockwise								
	(facing end opposite shaft)									
	RPM	3500 RPM								
	Watt	3.8 ± 15% W @12.7 VDC								

\*IEC 60079-15 certified for use in explosive atmosphere

### **Control Board Troubleshooting**

SWITCH DIAGRAM								
SW1	SW2	SW3	SW4	SW5	SW6			

### To ENTER SERVICE DIAGNOSTICS Mode:

Press SW1 and SW2 simultaneously for 3 seconds. Release both buttons when you hear the CHIME indicator.

Unit must not be in Lockout prior to entering SERVICE DIAGNOSTIC MODE. The display will show 01 to indicate the control is in step 1 of the diagnostics routine.

### To EXIT SERVICE DIAGNOSTICS Mode: do one of the following 3 options:

- Press SW1 and SW2 simultaneously for 3 seconds. Disconnect the product from power.
- Allow 20 minutes to pass
- Following the exit of the diagnostic mode, the controls will then resume normal operation. NOTES:
- Cooling diagnostics are steps 1 through 6 and 32 through 41
- Dispensing diagnostics are steps 8 through 31.
- Each step must be manually advanced. Press SW5 to move to the next step in the sequence.
- Press SW4 to back up in the sequence to the previous step.
- Diagnostics will begin at Step 1.
- Each step is displayed in the two digits of the dispenser user interface display. ■ The step results are displayed in the two digits on dispenser user interface display 2 seconds after the step number is displayed. An amber order filter light will be shown to designate that the step number is being displayed and a red replace filter light will be shown to designate that the
- All button and pad inputs shall be ignored and all inputs shall be off except as described in the actions for each step.

### **Service Test - 1: FC Thermistor**

status of the step is being displayed.

■ The board will check the resistance value of the thermistor and display flashes results on the

#### Temp display (01 = pass, 02 = open, 03 = short). **Service Test - 2: RC Thermistor**

■ The board will check the resistance value of the thermistor and display the results on the Temp display (01 = pass, 02 = open, 03 = short).

### Service Test - 3: Evaporator Fan and Air Baffle Motors

- Control the RC and FC evaporator fan motors by depressing SW3 (01= both fan motors off. 02 =
- Depress SW3 once to advance. Service Test 3 will flash quickly and advance to tests 13/23 very quickly. The result is RC fan on, pantry air damper on. Pantry air damper will open and close automatically (13 = damper open, 23 = damper closed). Verify airflow inside pantry on lefthand
- side when damper is open (13 displayed). Airflow in pantry will cease when "23" is displayed. ■ Depress SW3 to advance to last step (04 = both RC and FC fans on).

	No-Load Performance, Controls in Normal Position																	
	Kw/24 hr/± 0.4		Percen	Percent Run Time/± 10% Cycles/24 hr /± 10		Refrigerator Compartment Average Food Temperature ± 4°F/2°C		Freezer Compartment Average Food Temperature ± 5°F/3°C		Ice Maker Compartment Average Food Temperature ± 5°F/3°C								
Ambient °F/°C	70°F 21°C	90°F 32°C	110°F 43°C	70°F 21°C	90°F 32°C	110°F 43°C	70°F 21°C	90°F 32°C	110°F 43°C	70°F 21°C	90°F 32°C	110°F 43°C	70°F 21°C	90°F 32°C	110°F 43°C	70°F 21°C	90°F 32°C	110°F 43°C
29 cu ft	1.1	1.5	3.6	50%	80%	89.2%	40	25	8.6	36.8°F 2.7°C	36.4°F 2.4°C	36.8°F 2.6°C	-2.1°F -18.9°C	1.6°F -18.7°C	7.3°F -13.7°C	20F -7°C	20F -7°C	20F -7°C

	Refrigerator Evaporator Inlet/ Outlet ± 5°F/3°C		Freezer Evaporator Inlet/Outlet ± 5°F/3°C		Suction Line /± 7°F/4°C		Average Total Wattage ± 10%		Suction Pressure ± 2 PSIG *		Head Pressure ± 5 PSIG *	
Ambient °F/°C	70°F 21°C	90°F 32°C	70°F 21°C	90°F 32°C	70°F 21°C	90°F 32°C	70°F 21°C	90°F 32°C	70°F 21°C	90°F 32°C	70°F 21°C	90°F 32°C
29 cu ft	22.2°F -5.4°C	23.2°F -4.9°C	-5.7°F -20.9°C	-6°F -21.1°C	70°F 21°C	95°F 35°C	75	75	-4.5	-4	35	60

\* Pressures during FC cycle

NOTE: This sheet contains important Technical Service Data. FOR SERVICE TECHNICIAN ONLY DO NOT REMOVE OR DESTROY

### Service Test - 4: Compressor/condenser fan motor/evaporator fan

- There will be a delay of 3 seconds before start of sub step 01. Each step is timed and will be automatically proceed. to the next step. User will not be allowed to exit step. If exit is attempted, an invalid chime will be produced.
- Control the Sealed System loads selecting SW3 (01 = Initialize Dual Evap Valve in home position (4 min), 02 = Close both RC & FC Evap Valve (1 min), 03 = Turn compressor ON (1 min), 04 = Keep compressor ON, drive the valve to RC position & turn RC fan ON, 05 = Keep compressor ON, drive the valve to FC position & turn FC fan ON. Verify air flow from the evaporator fan.

NOTE: Advance quickly through Service Test 4 to keep from locking in. Once locked in, you cannot exit, and must wait approximately 10 minutes.

### Service Test - 5: Compressor Status/Speed

- Initial Display 02 = Minimum speed
- Depress SW3. Display = 03. Compressor ramps up to maximum speed. When maximum speed is reached, 01 is displayed.
- Depress SW3. Display = 04. Speed ramps down from maximum to minimum speed. Display = 02.

#### Service Test - 8: All UI (User Interface) Indicators

 Verify that all LED indicators and UI display digits turn on automatically. All indicators ON for 30 second timeout.

### Service Test - 9: UI Button and Pad Test

 Displays the user Interface Buttons and Ice and Water Pads status as described in the Component Status Indicator column below

NOTE: Do not use SW4 and SW5 as these are used only to navigate through the Service Diagnostics

Press	Digit 1	Digit 2
SW1	1	
SW2	2	
SW3	3	
SW6	6	

NOTE: SW4 and SW5 are used for navigation and are not displayed.

#### **Service Test - 11: Dispenser Lighting**

Ice and Water Pad

 Pressing SW3 will change the dispenser lighting setting from OFF (0%) to ON (100%) to DIM (50%). Status indicator light is blank.

### **Service Test - 12: Accent Light Turns On**

#### Service Test - 15: Ice Level Sensor

Displays the ice bin status in real time on the UI display. Verify that the full and not full levels display correctly (01 = bin full or not present, 02 = bin not full).

Service Test - 16: RC Left Door Switch Input Displays the RC Door status in real time on the UI display. Verify that the open and

## close status display correctly. (01 = FC Door Open, 02 = FC Door Closed).

Service Test - 17: RC Right, Pantries, FC Doors Switch Input

#### Displays the FC Door status in real time on the UI display. Verify that the open and close status display correctly. (01 = FC Door Open, 02 = FC Door Closed).

Service Test - 18: Ice Door Motor Displays the Ice Door stepper motor state on the UI display. Press ice paddle and verify that the mechanical operation of the ice door corresponds to the component

# **NOTE:** Ice door will have a delay in closing after an ice paddle is released. (01 =

#### Closed, 02 = Opening, 03 = Open, 04 = Closing). Service Test - 19: Ice Maker Fill Tube Heater Status

 Control the Ice Maker Fill Tube Heater selecting SW3 (toggle between On and Off) (01 = ON, 02 = Off).

### Service Test - 20: Water Filter Usage Rating

### NOTE: Not normally used.

The total water usage rating in gallons for the water filter displays in 2 sequential flashes on the UI display. A dash will display to show the end of the number. (00/0- to 99/9-). Example: 123 will be displayed as "12 3-."

### **Service Test - 21: Water Filter Time Rating**

■ The total time rating in days for the water filter displays in 2 sequential flashes on the UI display. A dash will display to show the end of the number (00/0- to 99/9-). Example: 123 will be displayed as "12 3-."

### Service Test - 22: Water Filter Usage

■ The current water filter status in gallons used since last reset displays in 2 sequential flashes on the UI display. A dash will display to show the end of the number (00/0- to 99/9-). Example: 123 will be displayed as "12 3-."

### Service Test - 23: Water Filter Time

The current water filter status in days since last reset displays in 2 sequential flashes on the UI display. A dash will display to show the end of the number (00/0- to 99/9-). Example: 123 will be displayed as "12 3-."

### Service Test - 24: Water Filter Reset

■ The current times the water filter was reset display in 2 sequential flashes on the UI display. A dash will display to show the end of the number (00/0- to 99/9-). Example:

#### 123 will be displayed as "12 3-." Service Test - 26: Main Control Software Version

NOTE: Not normally used.

The main control software version displays in 3 sequential flashes on the UI display. **NOTE:** Software version is repeatedly displayed during this test (00/00/00 to

### Service Test - 27: Dispenser UI Control Software Version

■ The dispenser UI control software version displays in 3 sequential flashes on the UI

**NOTE:** Software version is repeatedly displayed during this test (00/00/00 to

### Service Test - 29: Low Voltage IDI Software Version

# **NOTE:** Not normally used.

■ The low voltage software version displays in 3 sequential flashes on the UI display. **NOTE:** Software version is repeatedly displayed during this test (00/00/00 to

### **Service Test - 31 Touch Input Module Software**

### NOTE: Not normally used.

on. 02 = off).

The dispenser UI control software version displays in 3 sequential flashes on the UI

**NOTE:** Software version is repeatedly displayed during this test (00/00/00 to

### **Service Test - 32: Ambient Thermistor UI Control**

■ This is an internal board test. The board will check the resistance value of the thermistor and display the results (01 = pass, 02 = open, 03 = short).

### **Service Test - 33: Humidity Sensor UI Control**

■ Relative humidity test (humidity % value 0-99 = pass or Er = UI failure)

### Service Test - 34: Vertical Mullion Heater Mode ■ Set the vertical mullion heater sensor mode by selecting SW3 (01 = sensor operation

on, 02 = sensor operation off) (heater on 100%).

**Service Test - 35: Vertical Mullion Heater Status** Control the vertical mullion heater by selecting SW3 (toggle between on and off) (01 =

### Service Test - 36 Ice Box Fan

Check for fan operation. Control Ice Box Fan using SW3. Display the status on Temp Display. (01 = ON, 02 = OFF). Verify air flow from the IB fan.

### **Service Test - 37 Ice Box Thermistor**

 The board will check the resistance value of the thermistor and display the results on the Temp Display. (01 = Pass, 02 = Open, 03 = Short).

Service Test - 38 Forced Defrost mode Set the Forced Defrost Mode by selecting SW3, OF = No forced Defrost, Sh = Short

Defrost, Lo = Long defrost Service Test - 39 RC Evap Thermistor

#### The board will check the resistance value of the thermistor and display the results on the Temp Display. (01 = Pass, 02 - Open, 03 = Short.

Service Test - 40 Horizontal Mullion Heater Mode ■ Set the Horizontal Mullion Heater Sensor Mode by selecting SW3. (01 = Sensor

### Operation On, 02 = Sensor Operation Off (Heater on 100%)

Service Test - 41 Horizontal Mullion Heater Status Control the Horizontal Mullion Heater selecting SW3. (toggle between On and Off) (01 = ON. 0= OFF)

### Service Test - 42 UI EEPROM Control Software Version: NOTE: Not normally

used Displays in three sequential flashed the Dispenser UI Control software version on the

# **NOTE:** This is repeatedly displayed during all time in this step. 00/00/00 to 99/99/99.

### **Service Test - 45 Ice Maker Water Fill Test** NOTE: BEFORE INITIATION THIS TEST, GO TO STEP 57, INITIATE ICE MAKER

HARVEST TO INSURE ALL ICE IS EJECTED FROM MOLD BEFORE FILLING. After an initial 3 second delay, displays the Ice Maker water fill stat on the UI display. Press SW3 to start a water fill. Pressing SW3 will toggle between ON and PAUSE. (02 = Off, 03 = On, 04 + Paused).

#### Service Test - 46 Water dispensing Test

 Displays the status of the water dispense valve. Press the water pad to initiate a water dispense. (00 = Water Dispense Valve Off, 01 = Water Dispense Valve On).

### Service Test - 56 Ice Maker Error Codes

■ Displays active Ice Maker Error Codes on the UI display. (E0 = No Errors, E1 = No Cooling, E2 = Motor Lost Position, E3 = Heater Timeout, E4 = Dry Cycle, E5 = Timed

### Service Test - 57 Ice Maker Harvest

Press SW3 to activate a Harvest sequence. Digit 1 displays the state of the sequence. Digit 2 displays the outcome of the sequence. Once initiated, the sequence cannot be

Digit 1 0 = Heater and Motor OFF, 1 = IM Heater ON, 2 = Motor Rotating CW until it finds home position.

Digit 2 0 = In Progress, 1 = Harvesting Completed, 2 = Harvesting not completed,

Doors must be closed. NOTE: Harvesting Not Completed does not exit the step, but indicates the timeout of 70

### Service Test - 58 Ice Maker Heater Activation and Thermistor

 Press SW3 to activate the Ice Maker Heater and to toggle between On and Off. Digit 1 displays the state of the heater. Digit 2 displays the thermistor state. Digit 1 0 = IM Heater OFF, 1 = IM Heater ON.

Digit 2 0 - Temp warmer than harvest temp, 1 = Temp cooler than harvest temp, 2 = Open, 3 = Short. Service Test = 59 Ice Maker Motor

 Press SW 3 to activate a Motor sequence and toggle through each step. Digit 1 displays the state of the motor. Digit 2 displays the status of the motor. Once initiated, the sequence cannot be

Motor Rotating CCW until home position.

Digit 2 0 = In Progress, 1 = Harvesting Completed, 2 = Harvesting Not Completed. NOTE: Harvesting Not Completed does not exit the step, but indicates the timeout of 70

Digit 1 0 = Motor OFF, 1 = Motor Rotating CW until home position, 2 = Motor OFF, 3 =

### **Service Test = 60 Pantry UI Software Version**

Displays in three sequential flashes the Pantry UI Control software version on the UI

### **NOTE:** This is repeatedly displayed during all time in this step. 00/00/00 to 99/99/99.

Service Test - 63 All Pantry UI indicators Verify that all pantry LED indicators and pantry UI display digits turn on automatically.

### All indicators ON for 30 second timeout. Service Test - 64 Pantry UI Button Test

seconds has passed

 Displays the pantry UI Buttons status. Label Digit 2 Select SW705 Ω

### Service Test - 65 Pantry thermistor

■ The board will check the resistance value of the thermistor and display the results on the temp display. (01 = Pass, 02 = Open, 03 = Short).

### Service Test - 66 Manufacturing Codes

 Displays the active manufacturing errors codes stored in the UI. Press SW3 to toggle between the Errors. See status on Temp Display (E0 = No Error, E1 = LPIM Motor Faulty, E2 = Damper Cycle not completed, E3 = Thermistor Faulty,

E4 = Ice Bin not present or Full, E5 = Heater Bimetal Faulty, E6 = Dispenser UI EEPROM Faulty, Er = Communication Failure).

### **NOTE:** Step is used by Whirlpool Manufacturing plant only. Service Test - 67 Water Filter Switch Status

■ Displays the water filter switch status in real time on the UI display. Verify that the open and close status display correctly. (01 = Switch open/filter not installed, 02 = Switch closed/filter installed).

#### **Service Test - 73 Pantry Heater Status** Control the Pantry Heater selecting SW3 (toggle between On and Off)

(01 = ON, 02 = OFF).Service Test - 76 Icebox Fascia Heater Control the Icebox Fascia Heater selecting SW3 (toggle between On and Off)

### (00 = OFF, 01 = ON).Service Test - 77 Defrost Thermistor

■ The board will check the resistance value of the thermistor and display (01 = PASS, 02 = OPEN, 03 = SHORT).

### **Service Test - 78 Pantry UI Flashmap Version**

 Displays in three sequential flashes the pantry UI flashmap version on the UI Display. **NOTE:** This is repeatedly displayed during all time in the step. 00/00.00 to 99/99/99. Service Test - 80 LED Driver Software Version: NOTE: Not Normally Used

### Displays in three sequential flashes the LED driver software version on the UI Display. **NOTE:** This is repeatedly displayed during all time in the step. 00/00.00 to 99/99/99. Service Test - 81 LED Driver Flash Software Version: NOTE: Not

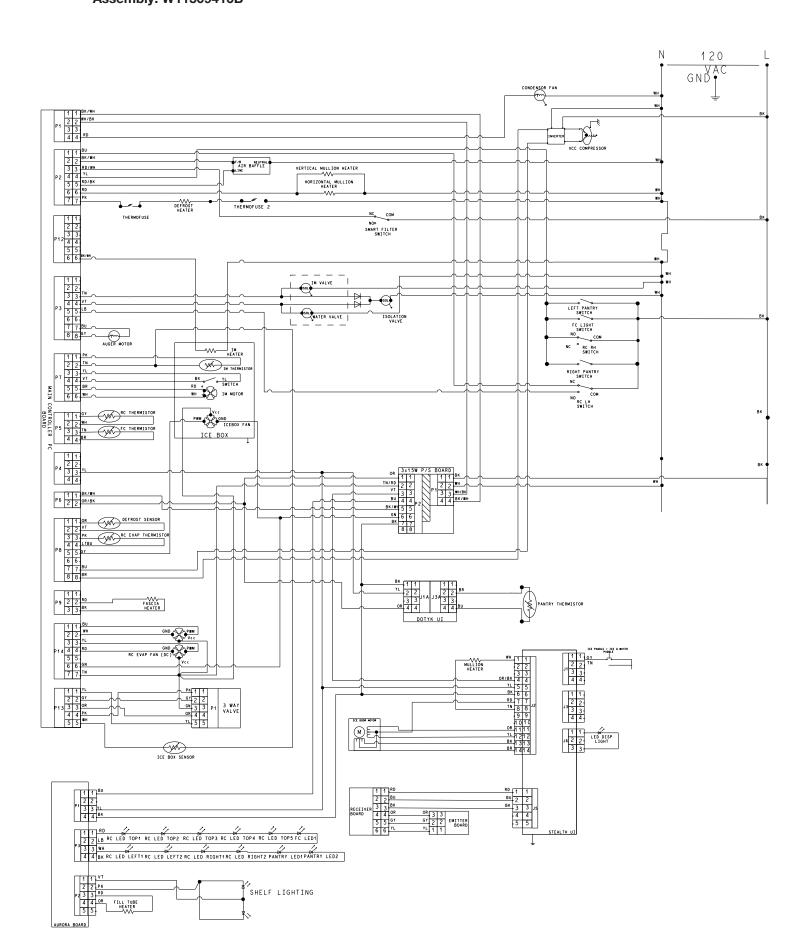
Normally Used Displays in three sequential flashes the LED driver flash software version on the UI Display

NOTE: This is repeatedly displayed during all time in the step. 00/00.00 to 99/99/99.

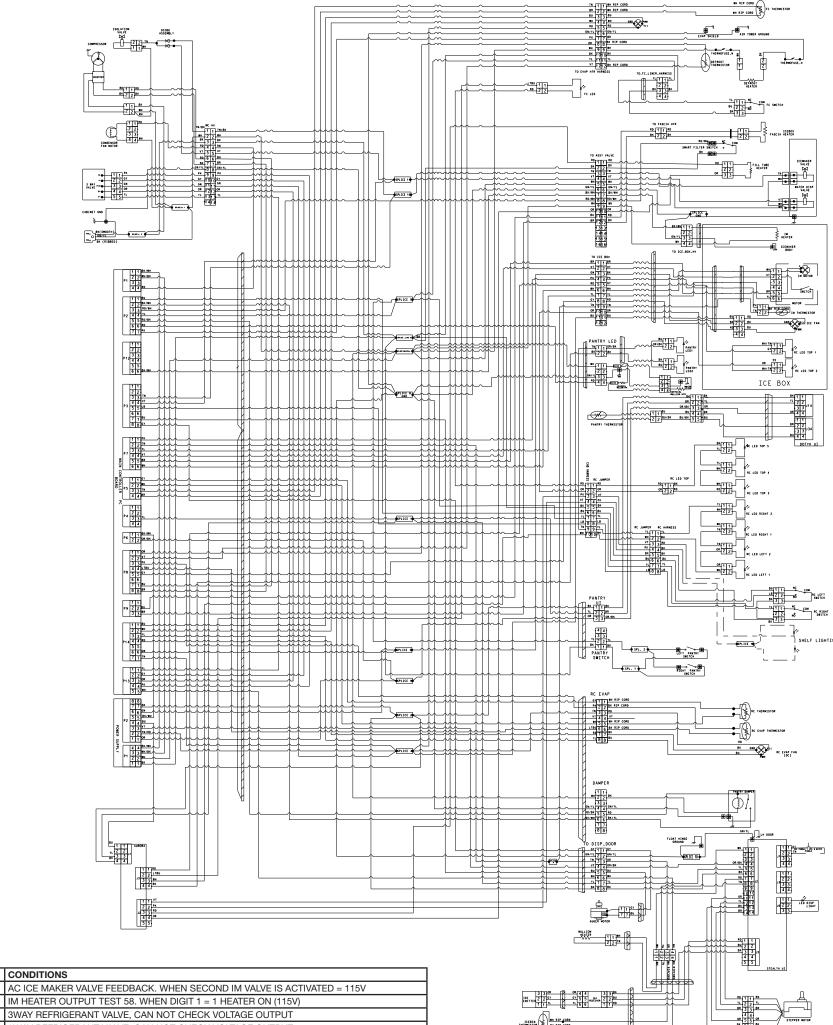
**Wiring Diagram** 

Schematic

W11501234B Assembly: W11509416B DWG. No.: W11495228 Rev. A



COMPONENT		FROM	то	VOLTAGE	CONDITIONS					
	P1	P1-1	P1-2	115 VAC	CONSTANT 115 VAC					
			P1-4	1	CONSTANT 115 VAC					
POWER	POWER P2-		P2-5		CONSTANT 12.7 VDC					
SUPPLY	P2	P2-2	P2-6	CONSTANT	CONSTANT 12.7 VDC					
	P2	P2-3	P2-7	12.7 VDC	CONSTANT 12.7 VDC					
		P2-4	P2-8	1	CONSTANT 12.7 VDC					
		P1-2	P1-4		CONDENSER FAN. SERVICE TEST 4. 115VAC IF CONDENSER FAN ON					
		P2-1	P1-2	115 VAC	RC DOOR OPEN 115V. DOORS CLOSED = 0V					
		P2-2	P1-2		AIR BAFFLE FEEDBACK. ACTIVATE SERVICE TEST 3, STEP 3					
		P2-3	P1-2		DOORS CLOSED 0VWATER FILLTER REMOVED 115V, FILTER INSTALLED 0V					
	P2	P2-4	P1-1		FC DOOR OR LEFT PANTRY DOOR OR RIGHT PANTRY DOOR OR RIGHT RC DOOR OPEN 115V,					
		P2-5	P1-2		AIR BAFFLE OUTPUT. ACTIVATE SERVICE TEST 3, STEP 3					
		P2-6	P1-2		HORIZONTAL MULLION HEATER, VERTICAL MULLION HEATER OUTPUT 01=115V,					
		P2-7	P1-2		FC DEFROST HEATER OUTPUT, THERMO FUSE. SERVICE TEST 6. 115V					
		P3-3	P1-2		ICE MAKER WATER VALVE. SERVICE TEST 25. DIGIT 1=1=115V					
		P3-4	P1-2		WATER DISPENSING VALVE. SERVICE TEST 25. DIGIT 2-1 115V					
	P3	P3-5	P1-1		LEFT RC DOOR MUST BE CLOSED = 115V. OPEN= OV					
		P3-6	P1-2		PANTRY HEATER OUTPUT, SERVICE TEST 73 19,01=115V, 02=OV					
		P3-7	P3-8	130 VDC	AUGER OUTPUT. LH RC DOOR CLOSED. ACTIVATE ICE PADDLE = 130-140VDC					
	P4	P4-3	COMMUNICATION							
	P5	P5-1	P5-2	5 VDC	RC THERMISTOR OUTPUT = 1.5-5VDC. MAXIMUM					
	FJ	P5-3	P5-4		FC THERMISTOR OUTPUT = 1.5-5VDC. MAXIMUM					
	P6	P6-1	P6-2	12.7 VDC	CONSTANT 12.7 VDC					
		P7-1	P7-2	5 VDC	IM THERMISTOR OUTPUT = 1.5-5VDC. MAXIMUM					
	P7	P7-3	P7-4	12.7 VDC	IM SWITCH					
		P7-5	P7-6	12.7 VDC	IM MOTOR OUTPUT TEST 57, SW3 TO ACTIVATE. UP TO 2MIN DELAY					
		P8-1	P8-2	5 VDC	FC DEFROST THERMISTOR OUTPUT = 1.5-5VDC MAXIMUM					
	P8	P8-5			ICE BOX FAN PWM CONNECTION					
	FO	P8-3	P8-4	5 VDC	RC EVAP THERMISTOR OUTPUT = 1.5-5VDC MAXIMUM					
		P8-7	P8-8	3-6 VDC	INVERTER OUTPUT 3-6 VDC CONSTANT WHEN COMPRESSOR IS RUNNING					
	P9	P9-2	P9-3	12 VDC	ICE BOX FASCIA HEATER OUTPUT					



MAIN	P13	P13-3	P13-4		3WAY REFRIGERANT VALVE, CAN NOT CHECK VOLTAGE OUTPUT			
CONTROL		P13-5		5 VDC	ICE BOX SENSOR			
		P14-1	P14-2	14 VDC	FC FAN MOTOR, OUTPUT ACTIVATE SERVICE TEST 3, STEP 2			
	P14	P14-3	P14-4		RC FAN MOTOR, OUTPUT ACTIVATE SERVICE TEST 3, STEP 2			
		P14-7	P14-6		CONSTANT 14 VDC			
		J1-1	J1-3	14 VDC	CONSTANT 14 VDC			
EMITTER/	J1	J1-2			COMMUNICATION			
RECEIVER		J1-5						
	REFER TO SERVICE TEST 15 FOR VERIFYING THE EMITTER/RECEIVER BOARDS							
	J1A	J1A-4	J1A-1	14 VDC	CONSTANT 14 VDC			
PANTRY UI	JIA	J1A-2	COMMUNICATION					
	J3A	J3-2	J3-4	5 VDC	PANTRY THERMISTOR OUTPUT = 1.5-5VDC MAXIMUM			
		J1-1	J1-2	14 VDC	*OVDC WHEN ICE DISPENSER PAD IS PRESSED, 14 VDC WHEN RELEASED			
	J1	J1-1	J1-3		*ICE DISPENSER BUTTON IS PRESSED. (IF J1-3 USED)			
		J1-2	J1-3		*ICE DISPENSER PAD IS PRESSED. (IF J1-3 USED)			
		J2-1	J2-8	14 VDC	FLIPPER MULLION HEATER IS ON			
		J2-4	J2-6	14 VDC	CONSTANT 14 VDC			
	J2	J2-7	J2-11	14 VDC	*ICE DOOR STEPPER MOTOR IS ACTIVE			
DISPENSER	02	J2-7	J2-12		*ICE DOOR STEPPER MOTOR IS ACTIVE			
		J2-7	J2-13		*ICE DOOR STEPPER MOTOR IS ACTIVE			
BOARD		J2-7	J2-14		*ICE DOOR STEPPER MOTOR IS ACTIVE			
		J3-1	J3-2	14 VDC	*OVDC WHEN ICE DISPENSER PAD IS PRESSED, 14 VDC WHEN RELEASED			
	J3	J3-1	J3-3		*WATER DISPENSER BUTTON IS PRESSED (IF J3-3 USED)			
		J3-2	J3-3		*WATER DISPENSER PAD IS PRESSED (IF J3-3 USED)			
	J5	J5-1	J5-3	14 VDC	CONSTANT 14 VDC			
	00	J5-2	COMMUNICATION					
	J6	J6-1	J6-3	14 VDC	DISPENSER LIGHT ON			
	P1	P1-1	P1-4		CONSTANT 12.7 VDC			
	FI	P1-3	COMMUNICATION					
AURORA	P2	P2-1	P2-2		SHELF LIGHTING OUTPUT			
AURURA	FΔ	P2-3	P2-4	12.7 VDC+/-5%	FILL TUBE HEATER FREEZER FC IM, FILLTUBE HEATER RC IM OUTPUT			

20.0 VDC+/-5% CAVITY LIGHT (POINT LED'S) OUTPUT 20.0 VDC+/-5% CAVITY LIGHT (POINT LED'S) OUTPUT

VOLTAGE

COMPONENT

FROM TO

P1-2

P13-2

P3-2

P12-6

P13-1

Color Symbol Legend								
Symbol	Color	Symbol	Color					
WH	White	RD	Red					
BK	Black	BU	Blue					
YL	Yellow	GN	Green					
BR	Brown	OR	Orange					
VT	Violet	LB	Light Blue					
TR	Transparent	N	Neutral					
GY	Gray	TN	Tan					
PK	Pink							