

FOR SERVICE TECHNICIAN'S USE ONLY

NOTE: This sheet contains important Technical Service Data

Assembly: W10910731A

Tech Sheet

Do Not Remove Or Destroy

DANGER



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.

WARNING



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

Component	Specifications All Parts - 115 VAC/60 Hz unless noted	
Cooling		
Compressor	BTUH.....	Variable VEGC8H
	Wattage.....	177.5 watts @ 4000 RPM
	Current lock rotor.....	3.3 amps ± 15%
	Current full load.....	3.3 amps ± 15%
	Resistance run windings.....	12.03 ohms ±8%
	Resistance start windings.....	12.03 ohms ±8%@ 77°F/25°C
	Inverter x 11.....	3-6 VDC, red and white wires = 120 VAC
Condenser Motor	Rotation.....	Clockwise
	(facing end opposite shaft)	
	RPM.....	940 RPM
	Wattage.....	2.6 ± 1 watt @115 VAC
NOTE: Fan blade must be fully seated on shaft to achieve proper airflow.		
Freezer Evaporator Fan Motor	Rotation.....	Clockwise
	(facing end opposite shaft)	
	RPM - RATED.....	2900 RPM @ 12 VDC
	Wattage - RATED.....	Maximum 2.5 watts @12 VDC
NOTE: Fan blade must be fully seated on shaft to achieve proper airflow.		
Bimetal Defrost	Open.....	45.3° ± 5° F / 7.4° ± 2.8° C
	Closed.....	18.0° ± 7.5° F / -7.8° ± 4.2° C
	Resistance.....	56k ohm
	Defrost heater terminal.....	19-27 ohms
	Bimetal below 10°F.....	0 ohms
	Bimetal above 53°F.....	open circuits
42" Freezer Evaporator Heater	Volts.....	120 VAC
	Wattage.....	700 watts
	Resistance.....	20.6 ± 5% ohms
48" Freezer Evaporator Heater	Volts.....	120 VAC
	Wattage.....	750 watts
	Resistance.....	19.2 ± 5% ohms
Controls		
Control Board	Volt.....	120 VAC, 60Hz
	See control board for diagnostics.	
Thermistor	Temperature.....	Resistance
	50°F/10°C.....	5348 ohms ± 5.0%
	32°F/0°C.....	8758 ohms ± 5.0%
	-4°F/-20°C.....	25,862 ohms ± 5.0%
Light Switch	Type.....	SPDT NO/NC
	Volt.....	125/250 VAC
	Current.....	8/4 amps
Ice and Water		
Single Valve	Watts.....	35 watts (Red)

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Temperature Charts

No-Load Performance, Controls in Normal Position

	Kw/24 hr/±0.4		Percent Run Time/±10%		Cycles/24 hr/±10	
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
	1.1	2.2	60%	84%	45	24
	Refrigerator Compartment Average Food Temperature ±4°F/2°C		Freezer Compartment Average Food Temperature ±5°F/3°C			
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
	37°F 3°C	37°F 3°C	0°F -18°C	0°F -18°C	0°F -18°C	0°F -18°C

Temperature Relationship Test Chart

	Freezer Evaporator Inlet/Outlet ±5°F/3°C		Suction Line ±7°F/4°C	
Ambient °F/°C	70°F 21°C	90°F 32°C	70°F 21°C	90°F 32°C
	-15°F -26°C	-12°F -24°C	80°F 27°C	104°F 40°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	100	1.0	95

Built-In Refrigerator Troubleshooting

Main Control Section		
Problem	Possible Cause(s)	Test Procedure/Action
Freezer Compartment (FC) too cold	FC control set too cold	See Control Setting section.
	Temperatures are -5°F in the FC and 34°F in the RC	Refrigerator operating in the "Max Cool" mode. Press the "Max Cool" button to return to normal operation.
	FC thermistor	See Thermistor section.
	FC thermistor wires reversed	See Thermistor section.
	Main Control Board	See Main Control Board section.
Freezer Compartment (FC) too warm	FC control set too warm	See Control Setting section.
	FC thermistor	See Thermistor section.
	Freezer light not shutting off	See Door Switch section.
	Evaporator fan not running or not running up to speed	See Evaporator Fan section.
	Condenser fan not running	See Condenser Fan section.
	Frost blocking evaporator airflow	See Evaporator Fan section.
	Main Control Board	See Main Control Board section.
	Compressor not operational	See Compressor section.
	Inverter not operational	See Inverter section.

Main Control Section		
Problem	Possible Cause(s)	Test Procedure/Action
No display, no interior lights, can't change settings	Touch/Display Board has lost power connection	See Touch/Display Board section.
	Main Control Board is not supplying power to the user interface	See Main Control Board section.
	Control is in the Sabbath Mode. Control is powered off. Control board failure.	Press the "Sabbath Mode" button to return to normal mode.
	The FC or RC doors have been open for more than ten minutes.	See Door Open section.
	Door light switch problem	See Door Switch section.
	Wiring issue, bad connection, etc.	See Touch/Display section.
No/Low Ice	The modular ice maker or the ice level detector is not operating properly.	See Modular Ice Maker and Ice Detector Service Sheet.
Not defrosting	Faulty Bimetal	See Bimetal/Defrost Heater section.
	Faulty defrost heater	See Bimetal/Defrost Heater section.
Overtemp Alarm door left open	Temperatures are 48°F in the RC or 15°F in the FC for more than 1.5 hrs and Temp isn't decreasing.	See Over Temperature section.
	The compressor or sealed system is not operating	See Compressor section.
	The inverter is not operating	See Inverter section.
	The evaporator fan is not operating	See Evaporator Fan section.
	The Air Door is not operating	See Air Door section.
Product does not run	Control powered off	See Power Off Mode section.
	No power to the control board	Verify power to the control board.
Product is noisy	The noise is coming from the freezer section. The evaporator fan motor is binding, hitting, misaligned, or vibrating.	Evaporator Fan section.
	The noise is coming from the unit compartment section. Condenser fan blade is hitting or compressor is noisy.	Condenser Fan and/or Compressor section.
Refrigerator Compartment (RC) too cold	RC control set too cold	See Control Setting section.
	RC thermistor	See Thermistor section.
	Air Door stuck open, seal missing, damaged, or reversed	See Air Door section.
	Main Control Board	See Main Control Board section.
Refrigerator Compartment (RC) too warm	RC control set too warm	See Control Setting section.
	RC thermistor	See Thermistor section.
	Refrigerator light not shutting off	See Door Switch section.
	Air Door stuck closed or inoperative. Reversed Air Door wires.	See Air Door section.
	Blocked airflow	Check for any restriction to the airflow in the RC and FC.
	Warm FC temperature	Cold air for the RC is drawn from the FC. Check for proper FC temperatures (see FC compartment too warm).
	Reversed RC thermistor wiring	See Thermistor section.
	Evaporator fan not running or not running up to speed	See Evaporator Fan section.
	Frost blocking evaporator airflow	See Evaporator Fan section.

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Main Control Section		
Problem	Possible Cause(s)	Test Procedure/Action
Refrigerator Compartment (RC) too warm (cont.)	Main Control Board	See Main Control Board section.
	Compressor not operational	See Compressor section.
	Condenser fan not operational	See Condenser Fan section.
	Inverter not operational	See Inverter section.
Pan too Warm/Cold	Verify pan settings	Change to appropriate setting.
	Pan thermistor failure	See Thermistor section.
	Air Door stuck shut/open	See Air Door section.
	Evap fan failure	See Evaporator Fan section.
	Sealed system failure	See Compressor section.
	ICC control failure	See ICC Control Board section.
	Main control failure	See Main Control Board section.

Component Specifications

Main Control Section		
Component	Symptom	Test Procedure/Action
Air Door	Stuck closed	(1) Run control diagnostics to check the Air Door operation in step 6. (2) A 12 Volts square wave is supplied to the Air Door in a series of short pulses. It is not possible to obtain a reliable voltage reading with a VOM. (3) Check for the Air Door binding with the cover. (4) Disconnect power or unplug the product. Check the resistance of the Air Door motor Air Door through the Air Door connector. The yellow wire to red wire and white wire to blue wire should have a resistance reading of $415 \Omega \pm 45 \Omega$.
	Inoperative	
	Reversed wiring	
	Stuck open	(1) Look for any kind of mechanical blockage. DO NOT DISCONNECT THE AIR DOOR WHILE THE CYCLE IS IN PROGRESS.
Alarm Reset	The indicator lights and alarm continue to activate	Pressing the ALARM RESET will shut off the audio alarm. The audio alarm will not sound again until a new condition occurs. (1) A Master Alarm Reset can be performed by pressing the POWER (On/Off) twice or by turning the power to the refrigerator off and on again. (2) The indicator light will reactivate after the ALARM RESET is pressed if the condition that caused the alarm is still present.
Bimetal/Defrost Heater	Not defrosting	(1) Run control diagnostics to check Bimetal status in step 7. (2) "01" indicates that the defrost heater is energized/bimetal is closed. "02" indicates that the defrost heater is energized/bimetal is open. The voltage at the defrost heater terminals will be 120 volts AC. (3) Disconnect power or unplug the product. Touch the ohmmeter test leads to the defrost heater terminals. The meter should indicate approximately 19 to 27Ω . Touch the ohmmeter test leads to the defrost bimetal wire connectors. With the bimetal below 10°F , the meter should indicate 0Ω . With the bimetal above 53°F , the meter should indicate on open circuit.

Main Control Section		
Component	Symptom	Test Procedure/Action
Compressor	Inoperative	(1) Check to make sure that it is not on the 7-minute delay. (2) Disconnect the power or unplug the product. Touch the ohmmeter test leads to any two pins at a time. The meter should indicate approximately 6 to 7Ω . If no resistance is present replace compressor. NEVER APPLY 120 VAC TO COMPRESSOR PINS
	Noisy	(1) If mechanical clanking noise is evident, replace compressor. (2) If the consumer is complaining about varying sound level, explain variable speed operation of the compressor to consumer.
Condenser Fan	Not operational/not running	(1) Run control diagnostics to check condenser fan operation in step 4. (2) The condenser fan runs independently of the compressor but is a constant speed motor. AC voltage is supplied to the condenser fan by a relay on Main Control Board.
	Blocked	(1) Check for blade hits and/or issues in Mounting system.
	Noisy	Press "Set to Recommended" button.
Control Setting	RC/FC control set too warm/too cold	Press "Set to Recommended" button.
Door open Alarm	No display, no interior lights	(1) If any door is open for more than ten minutes, the control will turn off the light circuit. This includes the control user interface in the RC. The user interface is powered down when the RC door is closed and is inactive. The Door Open indicator light will flash and an audio alarm will sound.
Door Switch	No display, no interior lights	Verify switch activation. Replace if necessary.
	RC Compartment too warm	
	FC Compartment too warm	
Evaporator fan	Not running	(1) Run control diagnostics to check the evaporator fan operation in step 3. (2) Disconnect power or unplug the product. Touch the ohmmeter test leads to pins 1 and 4 of the evaporator fan motor connector. The meter should indicate approximately 1400 to 1700Ω . (3) A failed evaporator fan motor or any condition that can mimic a failed motor will cause the control to run the compressor 100% at 4500 RPM . (4) If voltage is still present and the evaporator fan is still not operating, verify evaporator fan harness wiring (See Evaporator Fan-Improper Wiring section below).
	Not running up to speed	
	Open evaporator fan feedback circuit	
	Frost blocking evaporator airflow	(1) Run control diagnostics to check the defrost system operation in step 7. (2) The test mode can be used for a manual defrost cycle to clear the coil. (3) A frost load as the result of one or more doors being left open can take several days to clear.
Thermistor	Improper wiring	(1) Verify the wires connecting from the square connector of the evaporator fan harness to the Cab harness. WH/V to WH, YL/BK to YL, and YL/RD to RD. BU is not connected to Cab harness. (2) If wiring is incorrect, order evaporator fan kit.
	Noisy	(1) Check for the evap fan misalignment.
	Inoperative	(1) Check wires and connectors. Disconnect power or unplug product. Check resistance given in the diagram on page 1. (2) Run control diagnostics to check the thermistor operation in step 1. (3) Inoperative thermistor causes control to operate in a Recovery mode.
Thermistor	Reversed wiring	(1) The thermistor wires can be reversed in the connector at the Main Control Boards. A quick way to confirm this is to remove the thermistor. Initiate control diagnostics and look for a "2" in the appropriate step, which is an indication of an open circuit for the thermistor.

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Main Control Section		
Component	Symptom	Test Procedure/Action
Inverter	Compressor not operational	(1) Check compressor connection from the inverter to make sure that it is secure. (2) Voltage should be present from the inverter to the compressor. (3) If voltage from the Main Control Board to the inverter is present, no voltage out of the inverter to the compressor, and the compressor has approximately 6 to 7Ω, replace the inverter.
Main Control Board	FC or RC compartment too warm/too cold	(1) Check for loose terminals or connectors. (2) Voltage should be present at the respective pin of the respective connector of the Main Control Board during operation.
	No display, no interior lights, can't change settings	(3) If the proper voltage to the component in question is not present from the respective pin location on the Main Control Board during operation, replace the Main Control Board.
	Product does not run	(1) This connection supplies the Main Control Board with power. (2) If the proper voltage to the Main Control Board is not present, check cabinet wiring and power cord. (3) If the proper voltage to the Main Control Board is present and the product still does not run, replace the Main Control Board.
	Evaporator fan motor does not run	(1) Jump the red to yellow wire in the evaporator fan motor harness to check the 12 VDC fan operation. (2) If the fan runs after jumping the wire, replace the Main Control Board.
Overtemp Alarm	Temperatures ore 48°F in the RC or 15°F in the FC for more than 1.5 hrs	The overtemp alarm is a visual and audio signal that alerts the customer to unacceptably warm temperatures in either compartment for more than 1.5 hours. The trigger points are 48°F in the RC or 15°F in the FC. The corresponding temperature display will flash to indicate the problem compartment. The audio alarm stops if the temperatures return to normal but the visual alarm will continue to flash until reset.
Power Off Mode	Product does not run, no display, no interior lights, can't change settings	(1) Press the "Power on/off" button for 2 seconds. (2) If there is no response, unplug the refrigerator for 30 seconds. (3) Plug in refrigerator and check for normal operation. (4) Failed control board. Run diagnostic test.
Touch/Display Board	No display, no interior lights, can't change settings.	(1) Verify Touch/Display Board connection and wiring to the cabinet. (2) See Power Off mode section. (3) If control is in the Sabbath Mode, press the "Sabbath Mode" button to return to normal mode.

ICC Control Section		
Component	Symptom	Test Procedure/Action
Air Door	See page 3.	
Control Settings	Pan too warm/too cold	(1) Verify that food item isn't blocking airflow and/or touching thermistor. (2) Verify that pan connections are not reversed (right pan to left pan 1/0 or vice versa).
Thermistor	Inoperative	Refer to thermistor sections.
	Reversed wiring	
ICC Control Board	Pan too warm/too cold	(1) Verify wiring, Air Door failure (see above). (2) Verify thermistor failure (see above). (3) Verify ICC Control board failure.
Display Board	No Display, no interior lights, can't change settings.	See above

LED Control Section		
Component	Symptom	Test Procedure/Action
Lighting control board/ LEDs internal lights	All lights do not turn on when door is opened. Possible causes: (1) Door Switch malfunction; (2) Lighting control board not being supplied by the DC power supply; (3) Problem on communication wire of lighting control board; (4) LED lighting control board malfunction	(1) Test Door Switch (refer to existing section) (2) Measure voltage across J1-1 (14V) and J1-4 (GND) on Lighting control board. If voltage is present, go to the next step. If voltage is not present, look for misconnections between the lighting control board and the Main Control Board on the wires connected to pins J1-1 and J1-4 in the lighting control board. (3) Check continuity from the pin J1-3 in lighting control board and the pin J9-2 in Main Control Board. If there is continuity, go to the next step. If there is no continuity between the referred pins, look for misconnections on these pins. (4) Open the product doors and check voltage across J3-1 (LED Out 1 +) and J3-2 (LED Out 1 -). Open the product doors and check voltage across J3-3 (LED Out 2 +) and J3-4 (LED Out 2 -). If voltage is less than 15 volts in any of the pins pair, replace lighting control board. If voltage is greater than 15 volts, troubleshoot the LED lights.
	All lights remain on regardless of the door state (door opened/ closed). Possible causes: (1) Door Switch malfunction; (2) Problem on communication wire of lighting control board; (3) LED lighting control board malfunction	(1) Test Door Switch (refer to existing section) (2) Check continuity from the pin J1-3 in lighting control board and the pin J9-2 in Main Control Board. If there is continuity, go to the next step. If there is no continuity between the referred pins, look for misconnections on these pins. (3) Close the product doors and check voltage across J3-1 (LED Out 1 +) and J3-2 (LED Out 1 -). Open the product doors and check voltage across J3-3 (LED Out 2 +) and J3-4 (LED Out 2 -). If voltages are greater than 15 volts in any of the pins pair even the products doors are still closed, replace lighting control board.
	Lights partially not turning on when doors are opened: - All the 5 FC lights and 1 of the RC lights remain off when door is opened; - 6 out of 7 RC lights works as expected (turn on when door is opened and turns off when door is closed). Possible cause: LED module malfunction Possible cause: (1) Misconnection on the J3 connector (2) One of the LEDs that are not turning on is malfunctioning.	(1) Verify continuity problems on connector J3; (2) Troubleshoot the LEDs that are not replaced one by one. Once the failed LED is replaced, all the other LEDs will turn on as well.
	Lights partially not turning on when doors are opened: - 6 out of 7 RC lights remain off when door is opened; - All the 5 FC lights and 1 of the RC lights works as expected (turn on when door is opened and turns off when door is closed) Possible cause: (1) Misconnection on the J3 connector (2) One of the LEDs that are not turning on is malfunctioning.	(1) Verify continuity problems on connector J3; (2) Troubleshoot the LEDs that are not turning on. Each LED has to be replaced one by one. Once the failed LED is replaced, all the other LEDs will turn on as well.

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ELECTRONIC CONTROL FEATURES

The electronic control in this appliance maintains the temperature, controlling the operation and speed of the compressor as well as the evaporator fan motor. The Adaptive Defrost Control (ADC) portion of the electronic control utilizes "Pulsed Defrost" technology to perform defrost function. (See troubleshooting tips for more Information)

1. Pulsed Defrost Heat - During the defrost cycle the heater is energized continuously for the first 7 minutes. It is then cycled off for 60 seconds and on for 120 seconds. The on/off cycle is repeated until the bimetal opens or the maximum defrost time (33 minutes) is reached.

SERVICE DIAGNOSTICS MODE

Product must be on to enter service diagnostic mode. Press the RC Temp increase key and the Cooling On/Off key simultaneously for 3 seconds. The 2-digit FC display shows the diagnostic step.

Steps 00 through 07 are for input/output circuits of the Main Control Board.

The Set to Recommended and °F/°C buttons switch between steps. The 2-digit RC display shows the status for input circuits or the option for output circuits. The RC+ and RC- buttons switch between options. Turn Cooling or Power Off to quit diagnostics. Diagnostics time out after 20 minutes. All other keys are disabled during diagnostics.

MAIN CONTROL			
COMPONENT	FC CODE	RD CODE	DESCRIPTION
FC Thermistor	00	°F/°C	TEMPERATURE
		OP	OPEN > 88kΩ
		SH	SHORT < 1600Ω
RC Thermistor	01	°F/°C	TEMPERATURE
		OP	OPEN CIRCUIT
		SH	SHORT CIRCUIT
Evaporator Fan Motor	02	00	OFF
		20	2000RPM (8 V)
		23	2300 RPM (9.2 V)
		26	2600 RPM (10.4 V)
		30	3000 RPM (12 V)

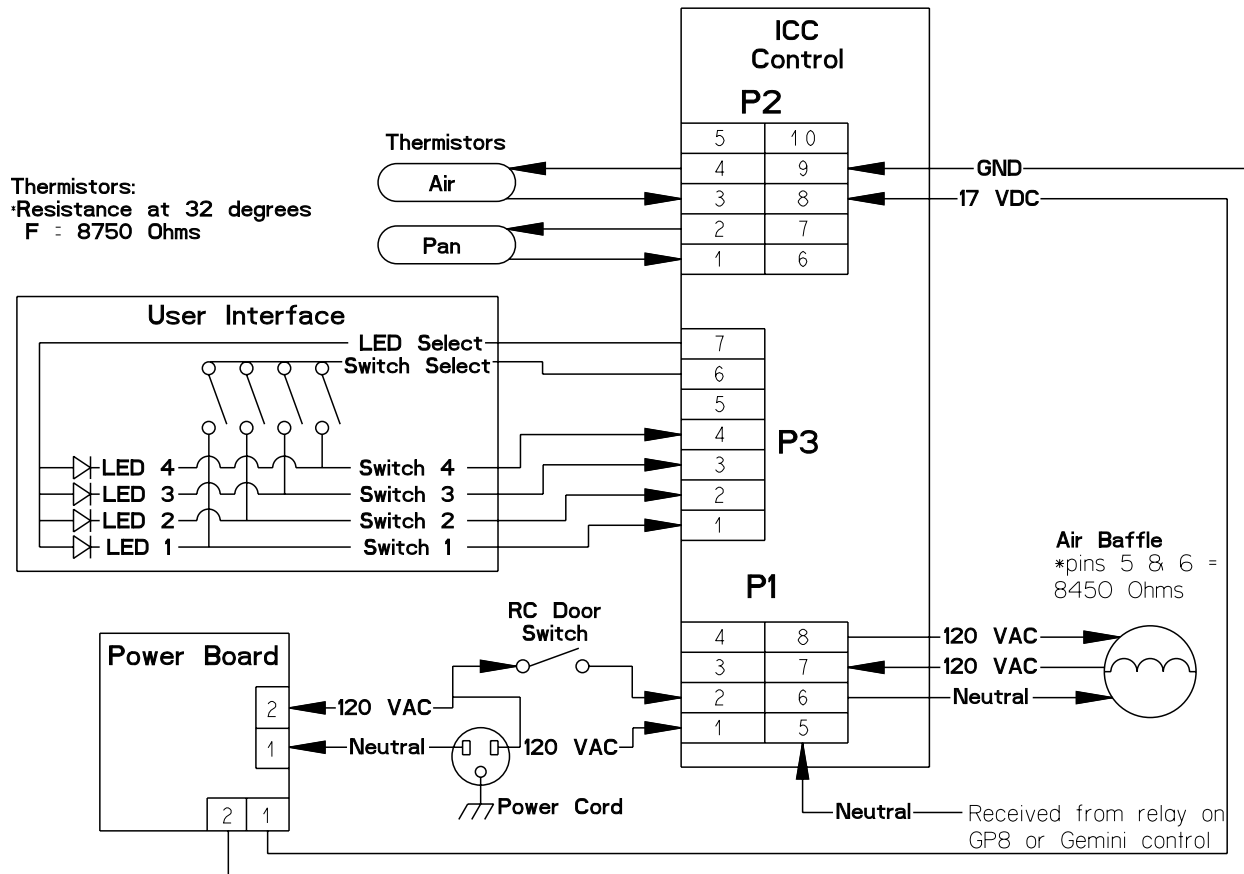
MAIN CONTROL			
COMPONENT	FC CODE	RD CODE	DESCRIPTION
Condenser Fan Motor	03	00	OFF
		01	ON (115 V)
VC Compressor	04	00	OFF; WAITING DELAY
		16	ON AT 1600 RPM
		45	ON AT 4500 RPM
Air Door & evap fan on	05	00	Air Door CLOSES
		01	Air Door OPENS
Defrost Heater On	06	00	BIMETAL CLOSED
		01	BIMETAL OPEN
Defrost Option	07	00	DEFAULT-ADAPTIVE
		01	BASIC

WARNING: If Bimetal is bypassed for testing (if applicable), Do Not Overheat Evaporator Area.

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Ingredient Care Center (ICC) Tech Sheet

SERVICE INFORMATION



SERVICE DIAGNOSTICS MODE

Before entering Service Diagnostic Mode, lift the shelf to be able to view the air baffle. To enter into Service Diagnostics Mode, press and hold the Fresh Produce button and the Meats/Beverages button for 4 seconds or greater and then release the buttons. The buzzer shall beep 3 times and the control shall enter the Service Diagnostics Mode.

Step 1 shall run immediately after Fresh Produce button and the Meats/Beverages button have been pressed for 4 seconds or greater to initiate the Service Diagnostics Mode. The Various Cheeses/Jams and Jellies button shall be pressed to advance to Step 2 and subsequent steps.

To exit Service Diagnostics Mode, press and release Various Cheeses/Jams and Jellies button, while in the last step (Step 4). The buzzer shall beep and the control shall enter the Various Cheeses/Jams and Jellies mode.

If all tests pass, then the control will return to Various Cheeses/Jams and Jellies mode. If any one test fails, the succeeding tests do not need to be performed, and the LED corresponding to the failed step shall blink (see table below).

Step #	Component Description	LED	Test Results	LED Display
1	Pan Thermistor	Various Cheeses/Jams and Jellies	Pass	LED on solid
			Fail - Open	Slow blink
			Fail - Shorted	Fast blink
2	Evap Thermistor	Fresh Produce	Pass	LED on solid
			Fail - Open	Slow blink
			Fail - Shorted	Fast blink
3	Open Air Baffle	Fresh Herbs/Berry Fruits	Pass	LED on solid
			Fail - Baffle did not cycle	LED blinking
4	Close Air Baffle	Meats/Beverages	Pass	LED on solid
			Fail - Baffle did not cycle	LED blinking

Slow Blink - Turn on LED for 0.6 seconds then turn LED off for 0.6 seconds, and repeating.

Fast Blink - Turn on LED for 0.2 seconds then turn LED off for 0.2 seconds, and repeating.

NOTE: If the time elapsed in Diagnostics Mode exceeds 20 minutes, the Diagnostics Mode shall be exited and the OFF mode entered.

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MODULAR ICE MAKER SERVICE SHEET

SERVICE INFORMATION

ICE MAKER SPECIFICATIONS (120 VOLT MODEL)	
COMPONENT	
WATER FILL	140CC, 7.5 SEC
MOLD HEATER	185 WATTS, 72 OHMS
THERMOSTAT (BIMETAL)	CLOSE $17^{\circ} \pm 3^{\circ}$ OPEN $32^{\circ} \pm 3^{\circ}$
MOTOR	1.5 WATTS, 8,800 OHMS
MODULE	STAMPED CIRCUIT, PLUG IN CONNECTORS
CYCLE	ONE REVOLUTION (EJECTS ICE & WATER FILL)

MODULE OHMMETER CHECKS (NO POWER TO ICE MAKER & EJECTOR BLADES IN PARK)			
TEST POINTS	COMPONENT	MODULE POSITION	OHMS
L - H	MOLD HEATER	ATTACHED TO SUPPORT	72
L - M	MOTOR	DISCONNECT FROM SUPPORT	8,800

MODULE VOLTAGE CHECKS WITH METER OR TEST LIGHT (POWER TO ICE MAKER)			
TEST POINTS	COMPONENT	LINE VOLTAGE	0 VOLTS
L - N	MODULE	POWER OK	NO POWER
T - H	BIMETAL	OPEN	CLOSED
L - H	HEATER	ON	OFF
L - M	MOTOR	ON	OFF
N - V	WATER VALVE	ON	OFF

SERVICE PROCEDURES

Cover -

Pull water adjustment knob first and snap off cover. Index knob and reinstall in some position for same water fill.

Module, Motor and Support Assembly -

Insert Phillips driver into access parts in Module. Loosen both screws. Disconnect Shut-off Arm. Pull Mold from Support Assembly.

Shut-off Arm -

Pull out from support. Reinsert to full depth.

Mold & Heater -

Remove Module, Motor and Support Assembly. Pull out retaining clips with Bimetal.

Bimetal -

Remove Module, Motor and Support Assembly. Pull out retaining clips with Bimetal.

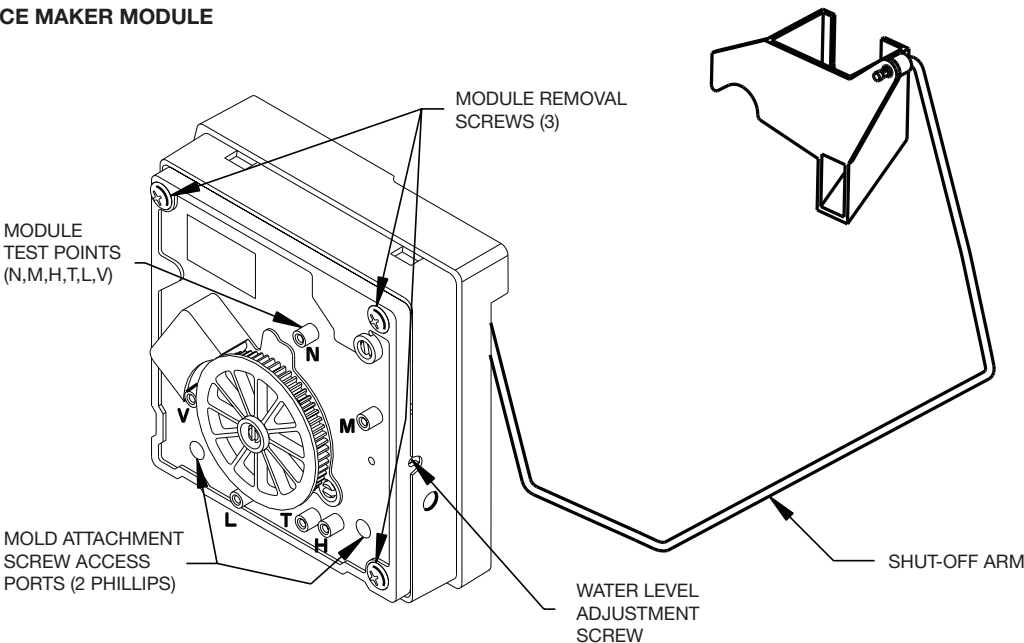
Fill Cup -

Remove Module, Motor and Support Assembly. Remove Ejector Blades and Shut-off Arm. Pull Fill Cup from Mold.

Ejector Blades or Stripper -

Remove Module, Motor and Support Assembly. When reinstalling Ejector Blades, realign "D" coupling with Module cam.

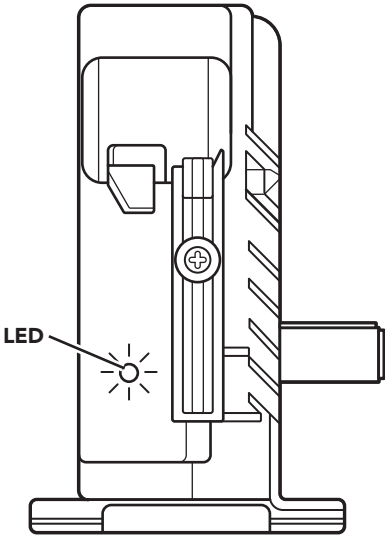
ICE MAKER MODULE



WATER LEVEL ADJUSTMENT

Turning the adjustment screw (see picture) clockwise decreases the water fill.

- 1/2 turn equals 200cc or 1.2 sec.
- Full turn equals 40cc or 2.4 sec.
- Maximum adjustment is one full turn in either direction. Additional rotation could damage the module.



INVERTER DIAGNOSTICS

STATUS LED	POSSIBLE CAUSES
LED OFF	No failure detected
2 FLASHES	No 3-6 VDC signal from the control
3 FLASHES	Inverter failure
4 FLASHES	Compressor failure
	Trying to start compressor too soon after turning off. Trips out. Wait ten minutes and try again.