

MODULAR ICE MAKER & ICE LEVEL DETECTOR SERVICE SHEET

ICEMAKER SPECIFICATIONS (120 VOLT MODEL):

COMPONENT	25' & 27' MODELS	22' MODELS
WATER FILL	140CC, 7.5 SEC	86CC, 7.5 SEC
MOLD HEATER	185 WATTS, 72 OHMS	
THERMOSTAT (BIMETAL)	CLOSE 17° +/- 3° OPEN 32° +/- 3°	
MOTOR	3.2-1.5 WATTS, 4,400-8,800 OHMS	
MODULE	STAMPED CIRCUIT, PLUG IN CONNECTORS	
CYCLE	ONE REVOLUTION (EJECTS ICE & WATER FILL)	

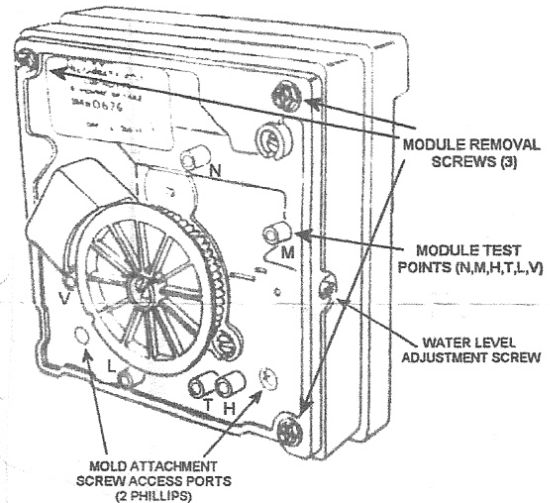
MODULE OHMMETER CHECKS (NO POWER TO ICEMAKER & EJECTOR BLADES IN PARK)

TEST POINTS	COMPONENT	MODULE POSITION	OHMS
L - H	MOLD HEATER	ATTACHED TO SUPPORT	72
L - M	MOTOR	DISCONNECT FROM SUPPORT	8800

MODULE VOLTAGE CHECKS WITH METER OR TEST LIGHT (POWER TO ICEMAKER)

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

ICEMAKER MODULE



WATER LEVEL ADJUSTMENT

TURNING THE ADJUSTMENT SCREW (SEE PICTURE ABOVE) CLOCKWISE DECREASES THE WATER FILL.

• MAXIMUM ADJUSTMENT IS ONE FULL TURN IN EITHER DIRECTION. ADDITIONAL ROTATION COULD DAMAGE THE MODULE.

ICEMAKER DIAGNOSTICS PROCEDURE:

1. PERFORM THE OPTICS DIAGNOSTIC PROCEDURE

OPTICS DIAGNOSTICS PROCEDURE:			
STEP #	STATUS LED	POSSIBLE CAUSES	ACTION
A. OPEN THE FREEZER DOOR	1.A.1. 2 PULSES FOLLOWED BY A 1 SECOND DELAY. (REPEATED)	THE FLAPPER DOOR ON THE EMITTER IS BLOCKING THE BEAM.	GO TO STEP 2.
		THE OPTICS ARE FAULTY	GO TO STEP 2.
	1.A.2. NO LAMP	ICEMAKER IS IN THE HARVEST MODE.	PRESS IN THE FREEZER DOOR SWITCH. WHEN IN THE HARVEST MODE THE STATUS LED WILL BLINK 1 FLASH EVERY SECOND.
B. PRESS IN THE EMITTER FLAPPER DOOR TO UNBLOCK THE BEAM.	1.B.1. PULSES FOLLOWED BY A 1 SECOND DELAY. (REPEATED)	FAULTY DIAGNOSTICS LED	REPLACE RECEIVER BOARD.
		THE OPTICS ARE FAULTY	REPLACE EMITTER & RECEIVER BOARD
	1.B.2. LED IS ON SOLID	OPTICS ARE WORKING CORRECTLY	CLOSE FREEZER DOOR
2. DISCONNECT THE POWER SUPPLY 3. SLIDE THE ICEMAKER OUT, REMOVE COVER. 4. JUMP "T" & "H" TO BYPASS THE BIMETAL AND START A HARVEST. 5. CONNECT THE POWER SUPPLY. 6. CLOSE THE FREEZER DOOR TO ALIGN THE OPTICS AND A HARVEST CYCLE WILL BEGIN IN 5 SECONDS. 7. OPEN THE FREEZER DOOR AND OBSERVE THE ICEMAKER. IF "T" TO "H" IS PROPERLY JUMPED AND THE ICEMAKER WON'T RUN STOP TEST AND CHECK THE ICEMAKER.		STATUS LED OUTPUT CODE:	
		4 PULSES, REPEATED ONCE INDICATES THE RELAY IS DEFECTIVE. REPLACE BOTH THE EMITTER AND RECEIVER BOARDS. 3 PULSES, REPEATED ONCE, INDICATES OPTICS AND RELAY ARE GOOD, BUT I/M IS NOT BEING SENSED/WILL NOT OPERATE. <ul style="list-style-type: none"> CHECK BAIL ARM SWITCH. (MUST BE ON) CHECK I/M CIRCUIT AND CONNECTIONS BACK TO THE RECEIVER BOARD AND NEUTRAL. CHECK I/M COMPONENTS. 2 PULSES, REPEATED ONCE, INDICATES OPTICS ARE DEFECTIVE. REPEAT STEP ONE AND REPLACE BOTH BOARD IF NECESSARY. STEADY LIGHT FOR 5 SECONDS INDICATES THE RELAY AND OPTICS ARE GOOD, AND THE RECEIVER SENSES THE ICEMAKER. NO LIGHT, UNPLUG THE REFRIGERATOR FOR 5 SECONDS AND REPEAT TEST.	