

ICEMAKER MODULE BOARD

Troubleshooting and Replacement

(Part # I34M-1 for 120V or Part # I34M220 for 240V Units)

WARNING: ▲	<i>Raritan Engineering Company, Inc. recommends that a qualified technician install, troubleshoot and repair this product. Equipment damage, injury to personnel or death could result from improper installation or unsafe action. Raritan Engineering Company, Inc. accepts no responsibility or liability from damage to equipment, or injury or death to personnel that may result from improper installation of this product or from unsafe actions taken by a technician.</i>
WARNING: ▲	Refrigeration Equipment contains refrigerant fluids under very HIGH PRESSURE. Danger of sudden pressure release resulting in injury, death, or severe frostbite may result from not following instructions.
WARNING: ⚡	Hazard of Electrical Shock

TROUBLESHOOTING

Tools required: Volt meter, 4" (10.2 cm) of insulated #12 AWG (4.0 mm²) single conductor jumper wire.

WARNING - HAZARD OF ELECTRICAL SHOCK: Tests requires AC power at module. Proceed using **EXTREME CARE**.

NOTE: The shutoff arm must be in the **DOWN** position.

MODULE NOT FUNCTIONING PROPERLY

Remove white plastic front cover of icemaker module. Grasp cover firmly and pull.

1. System is inoperative; not cold.

The fan and compressor do not run when the unit is on. Ejector "fingers" are not visible. Normal position for ejector fingers is approximately 2:30 o'clock position. If fingers are in another position and are not moving, the module drive mechanism is stuck in the EJECTION CYCLE, the module board may need replacing. Check for power by placing probes of volt meter into test points L and N with icemaker on, you should read a nominal 120V AC (or 240V depending on the units voltage). If no voltage is read on meter, the problem may be with wire harness or other electrical connection(s).

2. Fan and compressor run and ice bin is freezing cold but there is no ice production.

If these conditions exist, perform the following test:

Make a jumper out of a short piece of #12 AWG (4.0 mm²) single conductor insulated wire. Bare both ends by exposing a minimum of 1/2" (1.3 cm) of uninsulated wire.

Insert the uninsulated ends of the jumper 1/2" (1.3 cm) into terminal ports T & H (see Fig. A). The compressor and fan should shut off and white gear should start to rotate clockwise. If gear does not rotate, module requires replacing. If gear rotates for one complete cycle, module is ok and mold thermostat (#I34T) should be replaced. Remove jumper after 30 seconds.

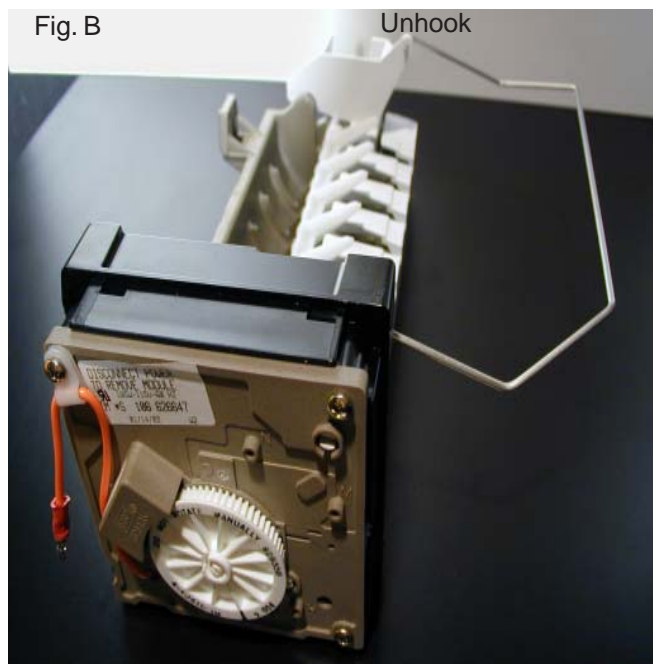


REPLACING ICEMAKER MODULE BOARD

Tools required: #2 Phillips screwdriver.

WARNING - HAZARD OF ELECTRICAL SHOCK: Turning the on-off switch to the "OFF" position DOES NOT DISCONNECT the unit from the power source and the DANGER of Electrical Shock will remain.

1. Unplug or shut off power at the circuit breaker panel.
2. Remove white plastic front cover of icemaker module. Grasp cover firmly and pull.
3. Remove shut off arm (see Fig. B, unhook from rear connection. Pull away from you wiggling it as you pull).
4. Disconnect orange wire at in line connection.
5. Remove three screws from face of module (see Fig. B). Use #2 Phillip's head screwdriver.
6. Remove old module
7. Mount new module. Ejector fingers may have to be rolled to allow board to mount.
8. Carefully replace shutoff arm. Make sure shutoff arm is properly inserted into hole in waterfill cup and completely inserted into module. It will snap into and remain in the "up" position. Put in "down" position.
9. Reconnect orange wire.
10. Reconnect power and turn unit on.
11. Gear in front of module should be turning or fan and compressor should be running.
12. Replace front cover.



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