ICEMAKER MODULE BOARD

Troubleshooting and Replacement

(Part # I34M-1 for 120V or Part # I34M-1220 for 240V Units)

WARNING: *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.*

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**

HOW TO IDENTIFY A PROBLEM THAT REQUIRES REPLACEMENT OF ICEMAKER MODULE BOARD

Tools required: Volt meter, 4" of insulated #12 AWG 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.

The following two conditions may exist if the module is not functioning properly:

1. *System is inoperative; not cold.* The fan and compressor do not run when the unit is turned on and off. If these conditions exists, the module drive mechanism is stuck in the EJECTION CYCLE and the module board #I34M-1 may need to be replaced. If orange wire is not "hot", 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 exists, perform the following test:

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

Insert the uninsulated ends of the jumper 1/2" into terminal ports T & H (see Fig. A). If the large white gear does not start to rotate clockwise, the I34M-1 module board needs to be repaired or replaced. Remove jumper after gear has rotated 1/4 turn. If gear rotates the problem is with another component or installation.

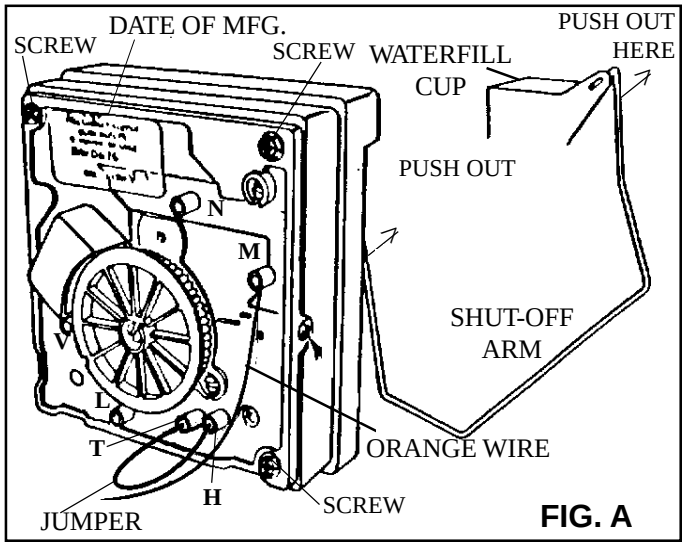

FIG. A

HOW TO REPLACE 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. A).
4. Disconnect orange wire at in line connection.
5. Remove three screws from face of module (see Fig. A). Use #2 Phillip's head screwdriver.
6. Screw new module into mold. Harvest fingers may have to be rolled to allow board to mount.
7. 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.
8. Reconnect orange wires.
9. Reconnect power and turn unit on.
10. Gear in front of module should be turning or fan and compressor should be running.
11. Replace front cover.

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