

# INSTALLATION INSTRUCTIONS

## ICEMAKER SENSOR KIT (161456002)

### SAFETY

 **WARNING:**

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

**Failure to comply could result in serious injury, death or damage to the equipment.**

### QUALIFIED SERVICE PERSONNEL

 **WARNING:**

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

**All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.**

### SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

 **WARNING:**

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

**Failure to comply could result in serious injury, death or damage to the equipment.**

 **CAUTION:**

Always be sure to keep area around the unit clean and free of clutter.

**Failure to keep this area clean may result in injury or equipment damage.**

The purpose of this kit is to modify the installation instructions for the Icemaker Sensor Kit (161456002).

### Required Parts:

1. Three or four long cotton swabs
2. Dow Corning #340 Heat Sink Compound

### Installation Instructions:

1. Remove panel and turn on-off clean switch to the off position. Make sure there is no ice in the evaporator.
2. Remove bad sensor along with the vinyl tube and tie stiffener, if present, from the evaporator tube well.
3. Clean out and **completely dry** the evaporator tube with cotton swabs. ***This step is very important.***
4. Cut both leads of the bad sensor about 10 to 12 in. away from the sensor plastic tip end.
5. Separate the two wires in the lead back toward the control box and strip the insulation from the ends 1/2 in. for splicing.
6. Splice the wires from the new sensor to the leads prepared in Step 5. Twist the wires together, ensuring that the colors on the old sensor leads are connected to the same colors on the new sensor. Tape or splice the leads using wire nuts.
7. Replace the vinyl tube over the newly spliced sensor wires.
8. Coat the inside of the evaporator tube thoroughly and evenly around the inside perimeter with one to two ounces of Dow Corning #340 heat sink compound. Compound is required to ensure proper sensor operation after it is installed.
9. Insert the sensor wire into the sensor rod (grooved nylon rod supplied with the kit), so the plastic tip of the sensor is against the sensor rod at the leading edge of the rod.
10. Insert the new sensor and sensor rod into the evaporator tube until hydraulic pressure resistance is felt. Then pull the new sensor and sensor rod back and push forward a couple of times until the pressure is released and the sensor and rod can be pushed completely to the end of the tube. Excess compound should come out the end of the tube, indicating that all of the air has been removed from the tube. This must be accomplished so that no condensation can form during normal cycling of the icemaker.
11. Clean and seal the end of the evaporator tube and replace the vinyl tube back over the evaporator tube if the tube was provided.
12. Turn the icemaker switch to the ON position and check machine operation with the new sensor installed.