900 SERIES ICEMAKER INSTRUCTIONS

General Description

The Ice maker is installed by Norcold as optional equipment. The refrigerator installer is required to connect a cold water supply to the water solenoid valve at the rear of the refrigerator.

The Ice Maker requires 120 volts AC to operate (even when the refrigerator is operating on gas) and is fully automatic. When the refrigerator's freezer reaches ice freezing temperatures, the ice maker will signal the water valve to fill the mold cavity. When the ice bin is full, the shut-off arm will stop the ice making process until the ice bin is emptied and the shut-off arm is returned to the down position.

Ice Maker Specifications

Volts: 120 volts AC
Amp Draw - cycle on, heater off: .03 amps
Amp Draw - cycle on, heater on: 1.6 amps
Amp Draw - cycle off: 0 amps
Inlet water pressure: 15 - 125 psi.
Duration of 1 cycle: 3.5 to 7 minutes
Ice Yield: 3 lbs./24 hours

Requirements:

1. Cold potable water supply at pressures between 15 psi and 125 psi.
2. 120 Volts AC supply - 108 VAC minimum - 132 VAC maximum.
3. 1/4" O.D. cooper tubing (compression nut, compression sleeve, and 90° degree tubing adapter supplied with refrigerator) or an approved plastic tubing.
4. 1/4" Shut-off valve in water supply line. (Should be accessible when the lower vent door is open.)

Water Supply Connection

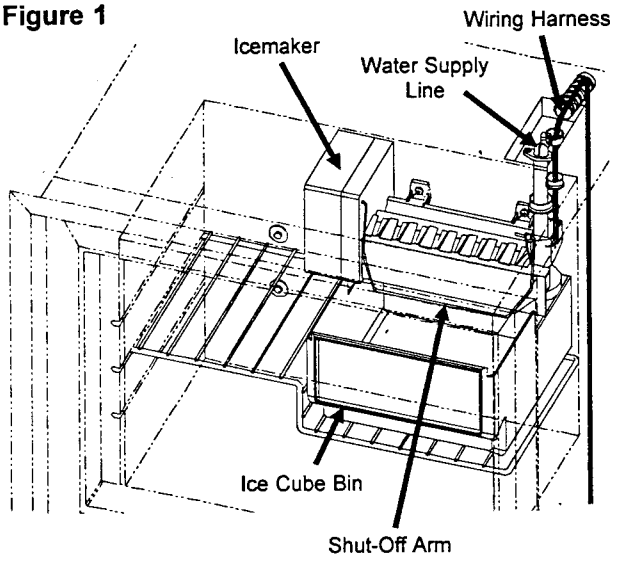
Install 1/4" O.D. copper tubing (or an approved plastic tubing) from the cold water supply to the shut-off valve, and from the shut-off valve to the ice maker's water valve located at the rear of the refrigerator.

To install, remove the compression nut and sleeve from the 90° adapter connected to the water solenoid valve. Slip the compression nut and sleeve onto the supply tubing. Before connecting the tubing to the refrigerator, flush the tubing until the water is clear. Insert the end of the tube with sleeve into the opening of the adapter (90° adapter will rotate 360° degrees). Using two wrenches, tighten the compression nut. Turn on water supply. Check for leaks; correct if necessary.

Operating Instructions

1. Make sure 120 volts AC is available to the refrigerator.
2. Turn the water supply on.

Figure 1



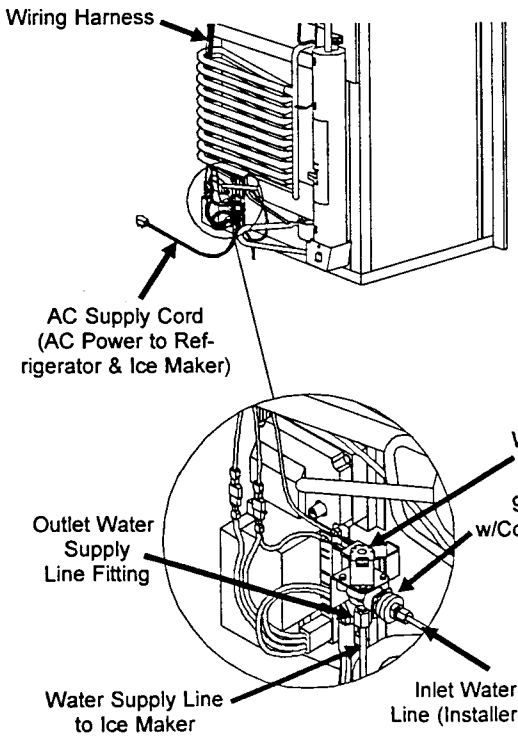


Figure 2

3. Move the shut-off arm down to the "On" position (see Figure 3). *Do not allow food packages to interfere with the shut-off arm.*

Caution: *If refrigerator is to be operated before the water connection is made or before the water is turned on, insure the ice maker's shut-off arm is in the up "Off" position.*

4. Allow the freezer to reach ice freezing temperatures. This may take a minimum of 24 hours from initial refrigerator start-up. When the freezer temperature is satisfactory, the ice maker will start.
5. When the bin is filled with ice, the ice maker will stop ice production.
6. The first ice yield may be discolored or have an odd flavor because of the new plumbing connections or because of impurities remaining in the water lines after winterizing.
7. To stop the ice maker, raise the shut-off arm to the up "Off" position (see Figure 3).
8. When operation of the refrigerator is to be discontinued for any length of time (storing the RV for the winter), empty and dry the ice maker.

Caution: Operating the ice maker when ambient temperatures reach 32° F (0° C) or below can cause irreparable damage to the ice maker's water valve and inlet water line. Winterize in accordance with the procedure below.

9. To drain the ice maker, move the ice maker's shut-off arm to the up "Off" position.
10. Turn off the water at the supply line shut-off valve.
11. Loosen and disconnect the inlet fitting (water supply line) from the water valve (see Figure 4). Drain water from the line.
12. Loosen and disconnect the outlet fitting (line from water valve to ice maker) from the water valve. Drain water from the line.
13. Reconnect the inlet and outlet fittings to the water valve.
14. Leave water supply "Off" until ambient temperature is above freezing. Dry the ice maker cavity with a clean dry cloth.

Figure 3

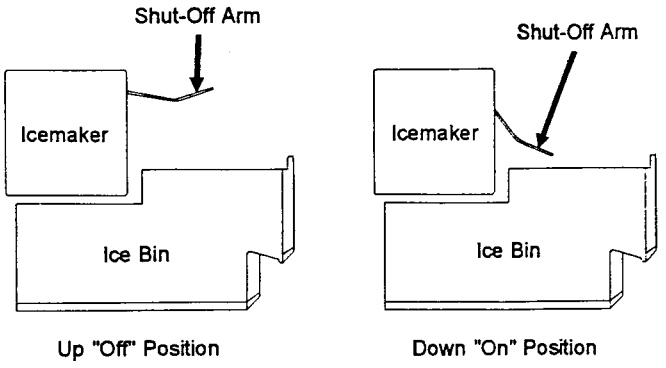
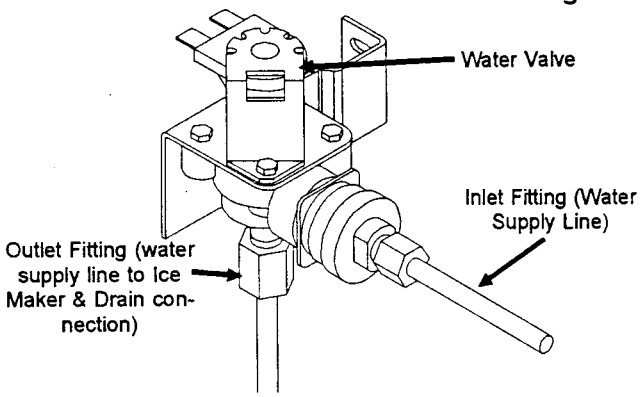


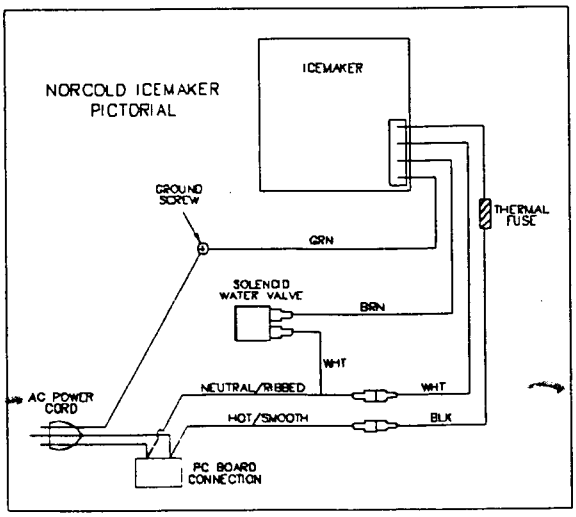
Figure 4



Trouble Shooting Hints

Low Ice Yield
- * Freezer temperature too warm
- * Water supply pressure low

No Ice
- * AC power disconnected
- * Shut-Off arm in the "OFF" position
- * Water supply turned off
- * Stored items interfering with shut-off arm



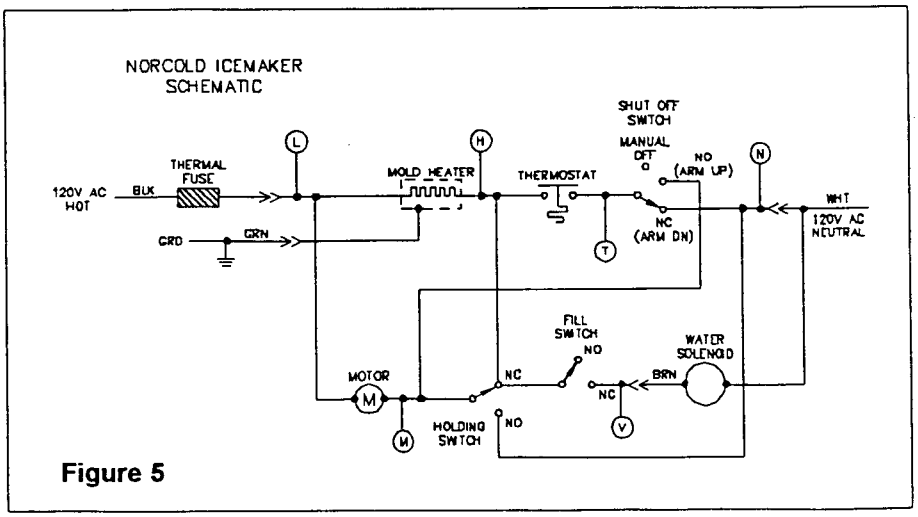


Figure 5