



SERVICE BULLETIN 400

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Page: 1 of 2

Date: 02 Oct 2015

Revision: 00

SUBJECT: Health Sensor Field Test (*Full-cycle Sensor-controlled Test*)

Number of
People
Required



MODELS: All Coolers and Freezers with Health Safety Controllers

REQUIRED PART **DESCRIPTION**

822046 Split Temperature Sensor, Cabinet Side



The following areas of this vender contain voltage which can cause serious injury or even death: the main power cord, supplying 115-230 VAC to the evaporator, EMI filter, and refrigeration system; the power line from the EMI filter to the ballast and transformer; and the ballast, which can produce upwards of 600 volts. Remove all power from the vender before working in any of these areas.

TOOLS REQUIRED: Phillips screwdriver (*for removing grille*)

ESTIMATED TEST PROCEDURE TIME: About 45 minutes

PURPOSE: The procedure below can be used to determine whether or not the equipment's Health Safety Controller functions correctly.

INSTRUCTIONS:

NOTE: The split temperature sensor (part number 822046) will be necessary to perform this test.

1. Open the main door and remove the grille. Then, close the main door. (*See Figure 1.*)
2. Open and latch the right-side refrigeration door. (*See Figure 2.*)
3. Look on the right side of the refrigeration deck for a flashing LED. It should flash green, one flash at a time, repeatedly. One green flash in each sequence means the door is closed and the equipment is operating normally.
4. Locate and unplug the temperature sensor (red-colored connector, shown in Figure 3). Separate the connector by pressing the single plastic tab.
5. Plug in the new temperature sensor, but do not place it inside the refrigerated compartment. (*See Figure 4.*) The LED should now flash red five times each sequence, indicating a health sensor error.
6. Reset the health sensor error by pressing the reset button located on the bottom of the metal enclosure at the bottom right side of the equipment. (*See Figure 5.*)
7. Look at the LED. It should now flash green one time, followed by a series of three green flashes, each sequence. This series should continue to repeat. One green flash indicates the door is closed; three green flashes indicates the temperature is above 41°F (5°C). After about 25 to 35 minutes, the door should lock.

Before removing the grille, remove this screw.



Figure 1. Grille

In an effort to provide our customers with the latest information on our equipment, Royal Vendors sends service bulletins to customers using the original ship-to address or e-mail addresses, if supplied by our customers. We also post all service bulletins on our website at www.royalvendors.com. If for any reason a vender is moved to another location or is sold to another customer other than to whom Royal Vendors originally sent the machine, it is the responsibility of the original purchaser of the vender to notify the appropriate personnel of the service bulletin.

**ANY QUESTIONS? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT
 IN NORTH AMERICA, CALL TOLL FREE 1 800 931 9214**



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Figure 2. Right-side refrigeration door latch

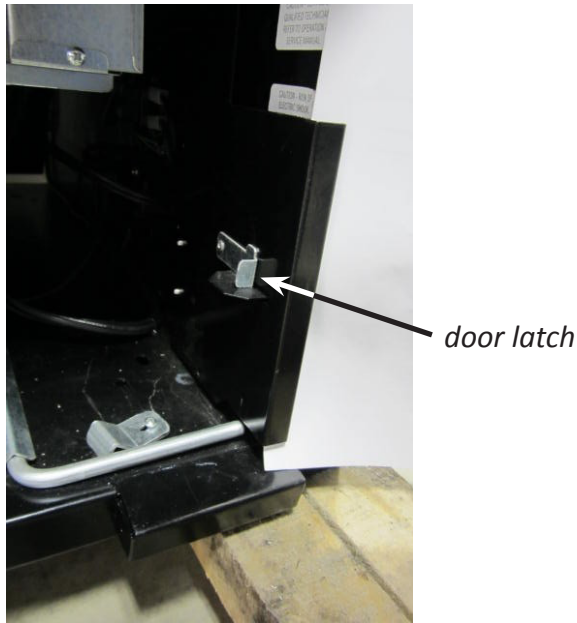


Figure 3. Temperature sensor connection



Figure 4. New temperature sensor plugged in

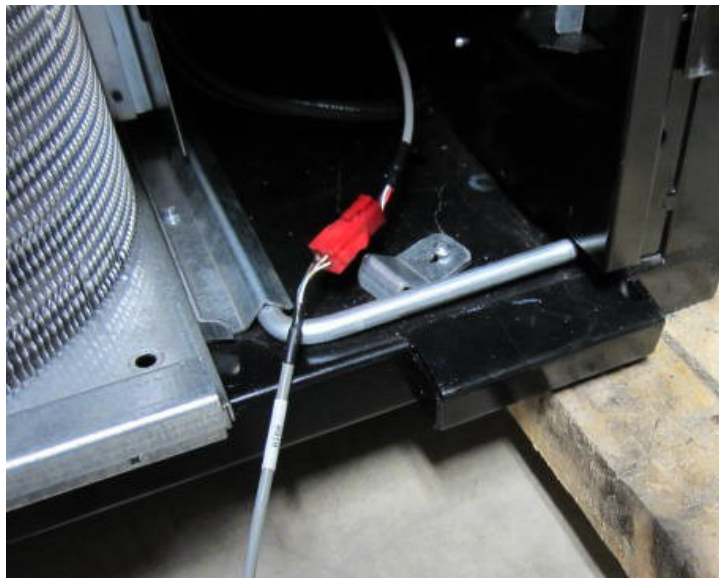
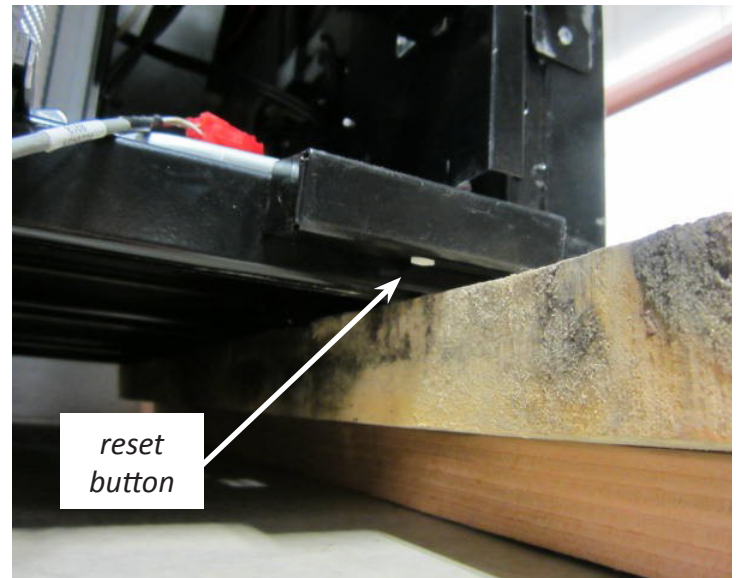


Figure 5. Reset button



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