



Helpful Hints clear & easy

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SUBJECT: GIII Home Sensor Troubleshooting Procedure

MODELS: All GIII models

TOOLS REQUIRED: N/A

ESTIMATED TIME: N/A

Number of
People
Required



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, refrigeration system, monitor, and computer; 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.

INFORMATION: This document describes the procedure for troubleshooting problems related to the home sensor on GIII venders.

TROUBLESHOOTING PROCEDURE:

1. Check the chain assembly for proper installation and function. (Refer to Helpful Hint 72 for GIII vend chain troubleshooting.)
2. Remove power to the controller by pulling the fuse. Then, restore power. The chain should cycle to its home position. (Refer to Figure 1.)
3. Check for 5 VDC on pins 1 and 3 at pinout P16 on the control board. If no voltage is present, replace the control board. (Refer to Figure 2.)
4. Check for continuity in the home sensor harness from the control board to the bottom of the door. If continuity is broken, check the harness for obvious physical problems. If none are found, replace the home sensor harness (the harness from the control board to the bottom of the door).
5. If continuity is present, replace the home sensor assembly.

Figure 1.

The chain is shown here at its home position, with one actuator above the vend motor sprocket and one actuator below it. (The yellow arrows point to the actuators, the red arrow points to the sprocket.) The other two actuators on the chain assembly should be at the idler bracket assembly, mounted on the right-hand side of the cabinet.

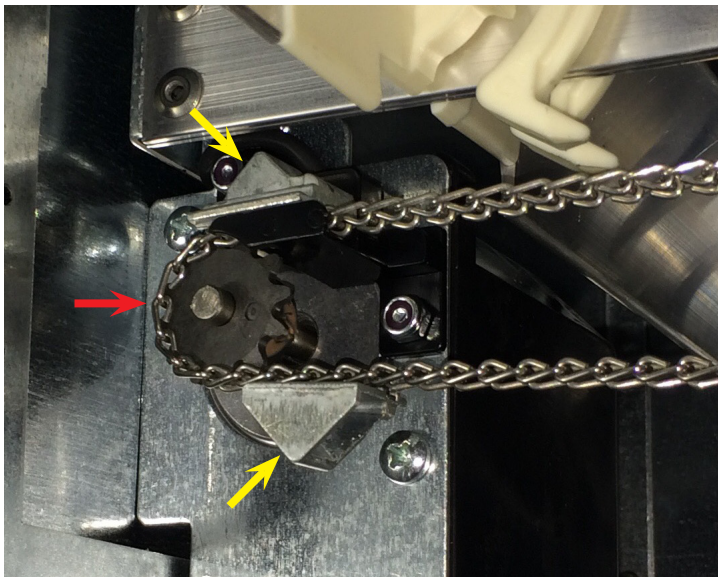
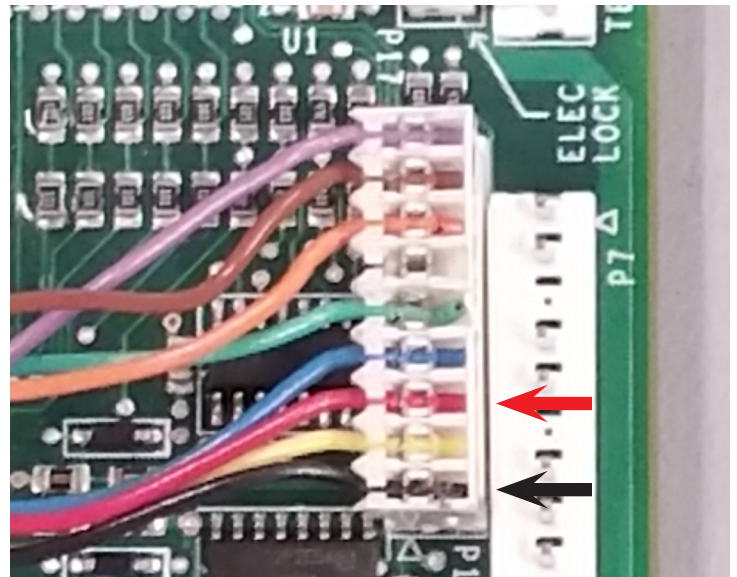


Figure 2.

Place one probe of the voltmeter on pin 1 (black wire, black arrow) and one on pin 3 (red wire, red arrow) of position P16 at the control board. The meter should register approximately 5 volts DC.



**ANY QUESTIONS? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT
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