

STEFFES CORPORATION

BRICK CORE SENSOR REPLACEMENT PROCEDURE

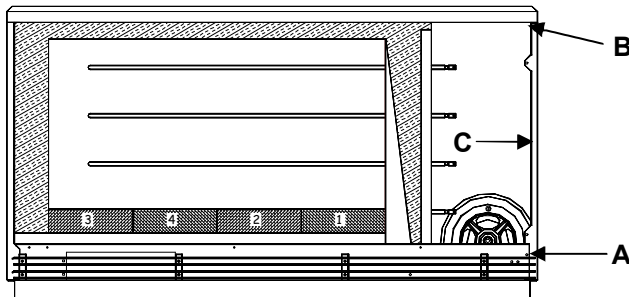
Models: 2100 Series

Item #1043102R Thermocouple Core Assy 2102
Item #1043103R Thermocouple Core Assy 2103-2104
Item #1043104R Thermocouple Core Assy 2105-2106

THIS PROCEDURE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN

1. Disconnect power to all branch circuits of the heater and remove the painted front panel.
2. Hinge the right side panel open by a) removing the screw located above the grill slats on the lower right side of the heater; b) loosening the screw located at the top right corner of the electrical compartment; and c) pushing out on the right side panel. Refer to Figure 1.

FIGURE 1





WARNING

HAZARDOUS VOLTAGE: Risk of electric shock. Can cause injury or death. System may be connected to more than one branch circuit. Disconnect power to all circuits before servicing. Equipment must be installed and serviced by a qualified technician.

3. Disconnect the red and yellow brick core sensor (thermocouple) wires from the processor control board. It is extremely important to note the position of these wires (Figure 2).

NOTE: *These sensor wires **MUST** be positioned correctly to ensure proper operation of the system.*

4. Locate where the brick core sensor enters the brick core (Figure 3) and remove the screw holding it in place.
5. Remove the brick core sensor.

NOTE: *If less than 12" clearance on the right side of the heater, it may be necessary to remove the brick core sensor through the brick core.*

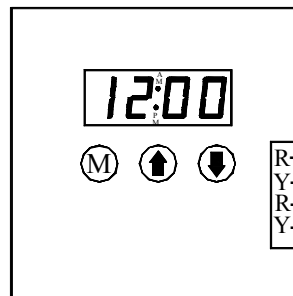


FIGURE 2

6. Insert the new brick core sensor into the brick core and secure it in place with the screw removed in Step 4.
7. Reconnect the brick core sensor wires to the processor control board.

NOTE: *The polarity of the brick core sensor (thermocouple) is extremely important! Make sure the red thermocouple wire (negative potential) is in the "R" terminal and the yellow wire (positive potential) is in the "Y" terminal on the lower two terminal block positions of the processor control board (Figure 2). These thermocouple wires **MUST** be positioned correctly to ensure proper operation of the system.*

8. Reinstall the painted front panel and restore power to the heater.
9. Verify proper operation of the system by completing the Installer's Final Check-Out Procedure. This procedure can be found in the Owner's and Installer's Manual.

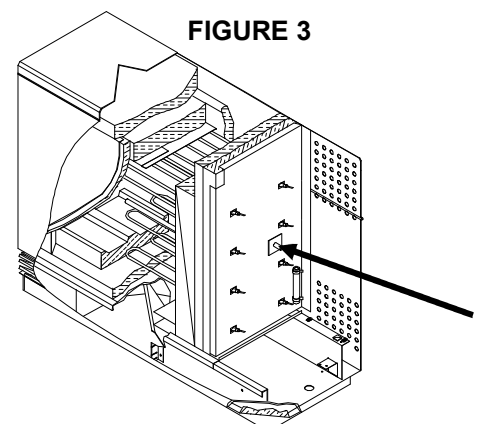


FIGURE 3