STEFFES CORPORATION
ELEMENT WIRING UPGRADE PROCEDURE
Models: 2005 and 2006 (9.0kW Heaters)

Item #1040348

THIS PROCEDURE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

WARNING

- **HAZARDOUS VOLTAGE: Can result in shock, injury or death. Do not remove cover while energized. Must be serviced by a qualified technician.**
- **This heating system may be connected to more than one branch circuit. Disconnect power to all circuits before**

1. Disconnect power to all branch circuits of the heater.
2. Remove the front panel of the heater.
3. Remove the control board mounting plate by sliding if off its mounting screws. Hook it on these same screws using the eyelets provided on the front of the mounting plate for ease of service and access to the heater's wiring compartment.
4. Check that all branch circuits have been de-energized by doing a voltage test at the heater's line voltage terminal block.
5. Cut the tie wrap wire fasteners from the line voltage wire harness running from the heater's control circuit board.
6. One at a time, replace the following wires in the heater with the corresponding color and length of wire in the kit:
   - element to terminal block
   - element to relay
   - relay to terminal block
   - limit control to element

CAUTION

Screw connections to the limit controls could be damaged if wire and wire crimp are not supported when screw is loosened or tightened. Also, avoid putting any side pressure on the quick disconnect terminals of the new wires as this could cause the loosening of these

7. Once the wires have been replaced, be sure to tighten all connections securely. (At the factory, limit control connection screws are tightened to 25 in-LBS, and the terminal block screws are tightened to 15 in-LBS.)
8. With the tie wrap wire fasteners supplied in the kit, tie the harness wires together to ensure that they do not come into contact with the element connections.
9. Restore power to the heater and test for proper unit operation and amperage draw.
10. If heater tests properly, reassemble.

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