

# Heating Elements Replacement

Procedure to replace element plates in 500S with the E599 Element Connector



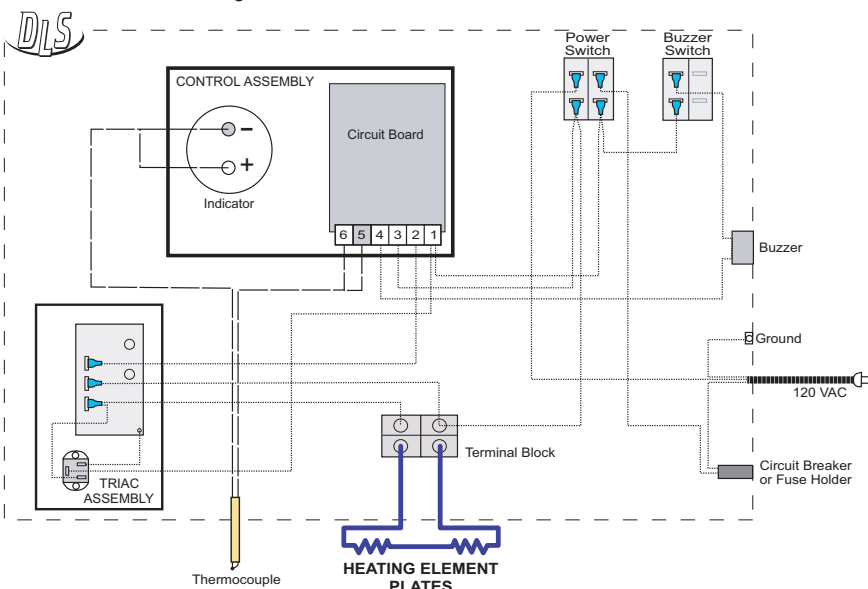
**WARRANTY: 4 MONTHS BY DLS TECHNICIAN or 2 MONTHS SELF-INSTALLED.**

**WARRANTY IS VOID if the heating element plates are not installed correctly. Do not install elements against the melted surface of brick. Always turn brick around or replace if needed. The supplied element connector must be used when connecting wires together on top.**

Tools needed... Socket driver, slotted screwdriver, thick wire cutters, phillips screwdriver and needle nose pliers for inserting element wire.

1. Unplug the oven, empty the oven of all rings, debris and porcelain trays and wait for the oven to cool down.
2. Turn the oven upside down and remove the six screws and bottom panel.
3. Cut element wires at the white porcelain tubes and remove excess wire from black terminal block (*Diagram A*).
4. Turn the oven upright, remove the top oven cover and the top piece of insulation (replace if needed).
5. Cut the wires on top and discard old element connector (if available).
6. Remove top oven brick carefully and old heating element plates by feeding wire from bottom through tubes.
7. If any brick has melted spots, replace or turn around. Insert the new set of heating element plates you received.  
*Note: The cemented (gray) side of the heating elements should be facing the center of the oven.*
8. Replace the top brick and use the supplied E599 Element Connector (*Diagram C*) to connect the wires together.  
*Note: Bend wires over and cut the element wire excess off so that 3" is overlaying each wire. About 1" should be exiting each side of connector (*Diagram D*). Tighten screws firmly (do not over-tighten).*
9. Replace top insulation (**be sure that the element wires are not touching the stainless steel top cover**).
10. Replace the top shell cover and turn the oven upside down.
11. Connect the element wires to the black terminal block (wires must be going through the white porcelain tubes).
12. Check that the element wires are not touching other wires or any other surfaces (They get hot!) and replace the bottom cover with the six screws. *If any other wires need replacing, order a new wire kit.*
13. Elements are not cured in... **To cure elements, turn on oven at 1200°F for 2 hours in a well ventilated room which will harden the cement and allow for a longer lasting life.**

Diagram A. Schematic of Oven



## LONGER-LASTING ELEMENTS:

- Always keep oven door closed when oven is shut off or when heating up.
- Do not allow casting rings to touch heating element plates at any time during use.
- If oven is off for more than 3 days, turn oven on at 400°F for 1 hour to remove moisture.

Diagram C. E599 Element Connector

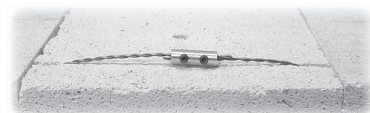


Diagram D. Elements Connected with Connector

UPDATED Dec 2005. The DLS Corporation shall not be liable for any damage or injury due to repair or installation of parts by non-DLS personnel. For questions or comments, please contact your dealer or DLS Corporation at 1-800-514-7063.



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