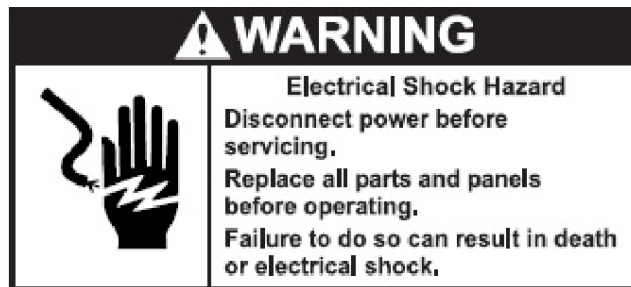


Bradley Technologies Canada Inc. accepts no responsibility for any malfunction or damage which is caused by unsuitable electrical repairs.



CHECK AND REPLACE THE HEATING ELEMENT 220–240 V Models (e.g., BS611CE, BS815XLTCE, BTDS76CE, BTDS108CE, BS916CE)

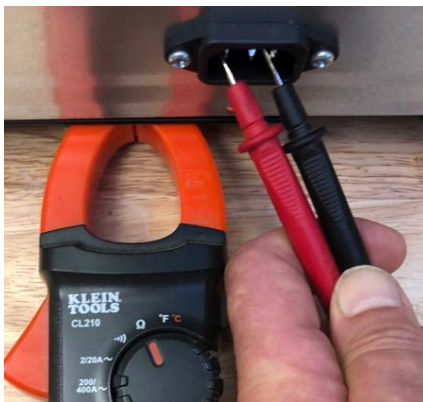
If the cabinet is not producing any heat, perform a basic check by disconnecting the long power cord from the generator and connecting it directly to the cabinet. If the heater physically is not producing any heat, then the heater or inline fuse needs to be checked and replaced if necessary.

The cabinet circuit consists of two main components:

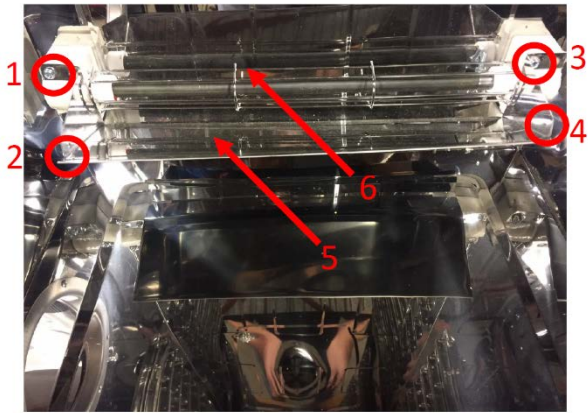
1. Inline fuse
2. Heating element with resistance of **approximately 95–115 ohms**

To check the circuit, follow these steps:

1. Measure the ohm reading from the plug, located on the backside of the cabinet. If the ohm reading is around 95–115 ohms, then the heating circuit is OK. If the circuit is broken, the ohm reading shows "00" (short) or "OL"/infinite (open), depending on your multimeter.



2. If there is a "00" or "OL" reading, check the ohm reading of the heating element directly. To gain access to the heating element, follow these steps:



Cool down the smoker

Remove the 4 long screws 1-4 holding the reflector in place

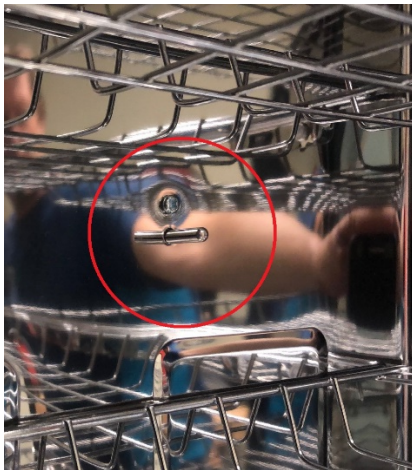
Remove the reflector 5 and top portion of each insulator.

Remove the heat element protective cage 6.

3. If the ohm reading of the element shows "00" or "OL", then the heater needs to be replaced. Replacing heating element → continued below.
4. If the ohm reading is around 95–115 ohms, then the heater is OK and the inline fuse needs to be checked.

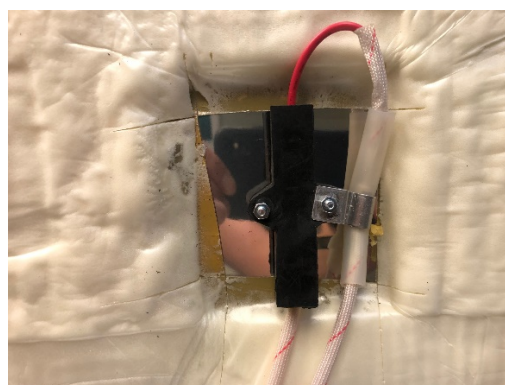
To gain access to inline fuse, remove the back panel of the tower and follow these steps:

1. Loosen (do not remove) the sensor screw(s) located inside of the cabinet. Depending on your model, you may have one or two screws.
2. Slide the inline fuse out from the holding bracket, located at the back side of the smoker.



Pictured above is the sensor and inline fuse from *BTDS76P, BTDS108P, BS916 models.*

NOTE: Some models have sensors with two screws



Pictured above is the sensor and inline fuse from *BS611, BS815XLT models*.

NOTE: *Some models have sensors with two screws*

- Slide the pvc cover off from the fuse and measure the continuity of the fuse itself.



Inline fuse has no resistance, so the reading should be displayed as “00” when functional. If the reading is “0.L” then the fuse is melted and needs to be replaced.

NOTE: *To replace the inline fuse, please refer to the document “Replacing the inline fuse”*

Replacing the heating element (continued)

- Release the grounding strap and nut and pry the strap open.



- Gently pull the heating element forward about 1 inch.

***Note:** Do not pull the wires out more than 2 inches, as the wires may become disconnected from the back plug located under the back panel.

- Carefully remove the connecting nut and washer at each end of the element. Use a 7mm wrench or socket.
- Slide the electrical wires off each end of the element.
- Replace the old heating element with a new one.

Note: New element resistance reading should be around 95–115 ohms

- Make sure the wire connector eyelets are aligned in the same direction when tightening them.
- Flat washer should be between the connector eyelet and tightening nut.

8. When tightening, fasten until snug, but do not overtighten.
9. Place the element back into the slot it came from and connect the grounding strap.
10. Reinstall the protective cage and both of the insulators.
11. Place the reflector back over the insulators and tighten the long screws.

****Note: Do not overtighten these screws, as you may damage the ceramic insulators.***