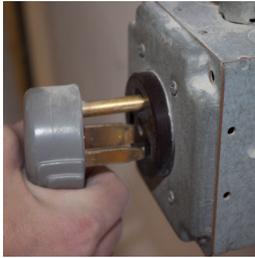


Replacing a Type K Thermocouple in a Skutt Kiln

Replacing your Thermocouple is one of the most common and easiest repairs you can do. All you need is a phillips screwdriver and a spare thermocouple. Part # 1515.



1. Unplug the kiln! If your kiln is hard wired (can't be unplugged) turn off the breaker or the disconnect.



2. Remove the screws from the left side of the box. Skutt kilns have a hinged box which is held closed by 3-6 phillips screws depending on the model.



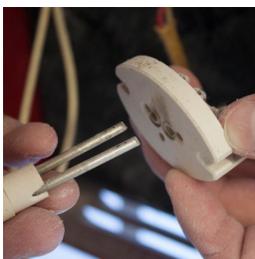
3. Remove the two screws from the sides of the white porcelain thermocouple block. You can follow the yellow wire from the heat baffle to the block.



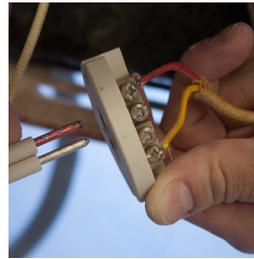
4. Slide the thermocouple out of the kiln. The porcelain block is still attached at this point.



5. Loosen the two center screws on the block that are holding the thermocouple. You do NOT need to take the screws all the way out.

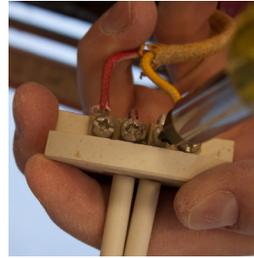


6. Slide the old thermocouple out and throw it away.

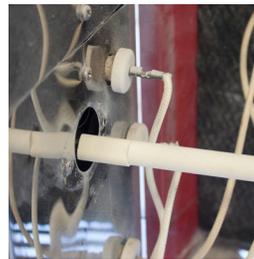


7. Slide the new thermocouple into the block. Match the red side of the thermocouple with the red wire. The block is marked "+" for yellow and "-" for red. If you reverse the thermocouple

the kiln will start at room temperature and the number will go down rather than up as the kiln fires.



8. Tighten the two screws that hold the thermocouple into the block. Be careful not to overtighten. It's possible to crack the porcelain block.



9. Slide the new thermocouple back into the kiln. The block should be pushed right up to the metal heat shield.



10. Replace the two screws that hold the thermocouple block to the kiln. You didn't lose them, did you?



11. Close the box and replace the screws.



12. Plug the kiln back in and fire away! Monitor the kiln for the first few minutes to ensure the temperature is rising and if not, your thermocouple is installed in reverse.