

RTD Replacement Instructions

Two Pound Sonofresco Coffee Roaster

The Following instructions will guide you through the removal and replacement of the coffee roaster temperature sensor (RTD). Please note some of the items needed to proceed with the task.

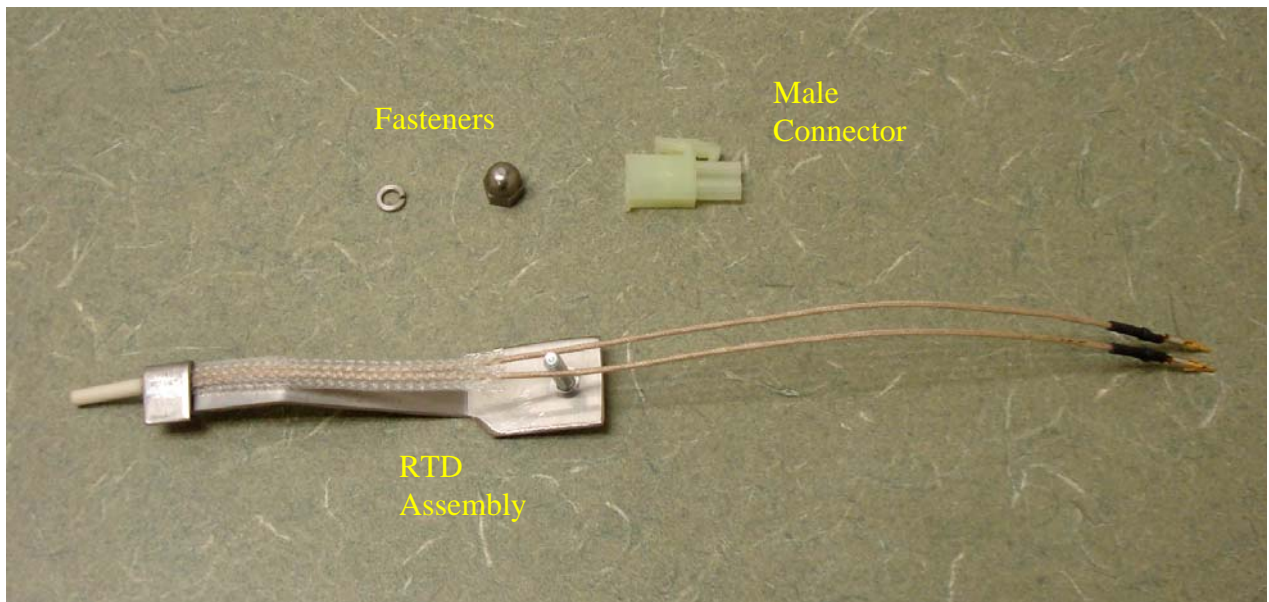
- The old RTD is removed from the spacer by cutting the wires.

Tools Needed:

- Phillips screwdriver
- 5/16 nut driver or socket
- Wire cutters

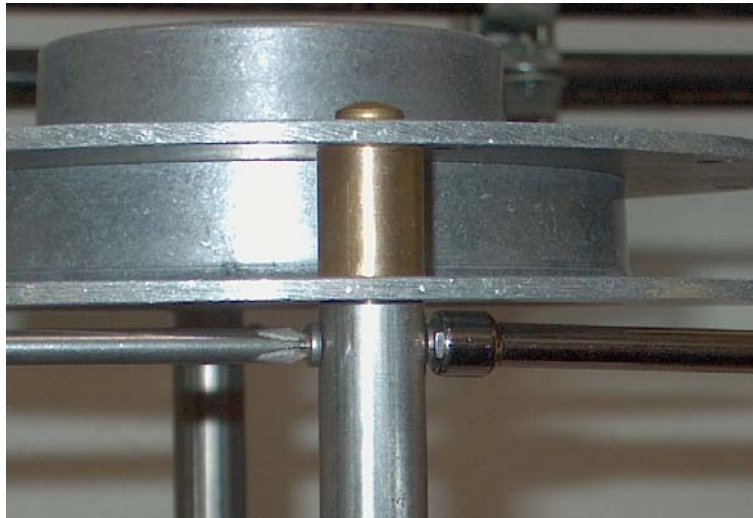
As with a new roaster, the temperature sensor will need to be “baked in” which is the process of driving moisture out of the sensor. A lighter than expected roast for the first 7-10 batches of coffee is normal as the RTD breaks in. Adjusting the roast setting up one level should compensate for this. After the “bake in” phase the roaster should operate normally and can be set to a lower level.

Included Components:

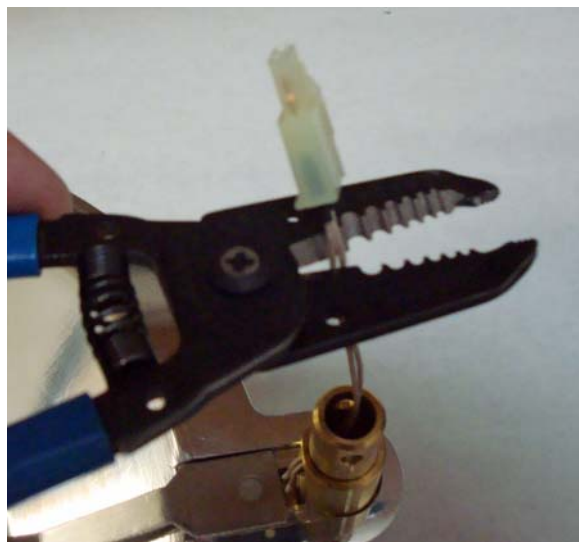


Before starting, read the instructions, remove power to the unit and ensure that the gas supply is turned off.

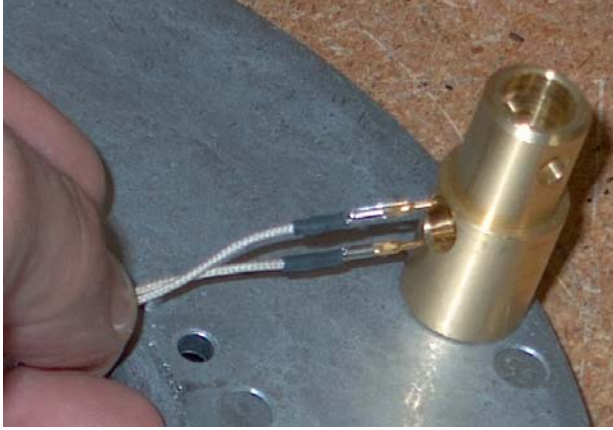
Remove smoke box screws using a #2 Phillips screwdriver and a 5/16" nut



Disconnect old RTD



Cut old connectors from RTD, this will allow the RTD to be removed from the spacer.

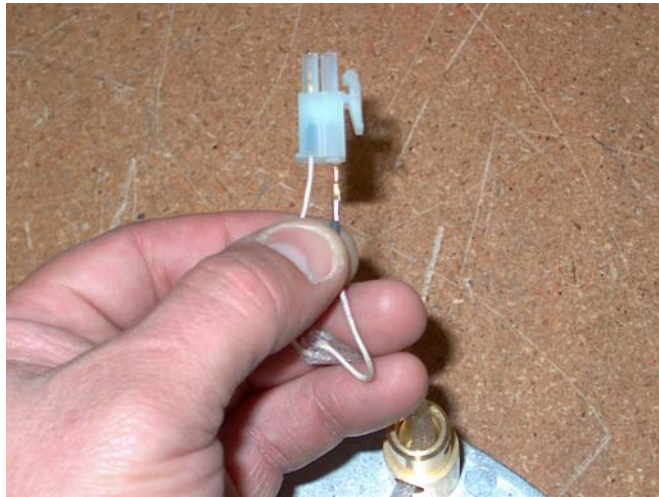


Insert RTD wires into the spacer hole and feed through. Ensure that the pins are not damaged in the process.



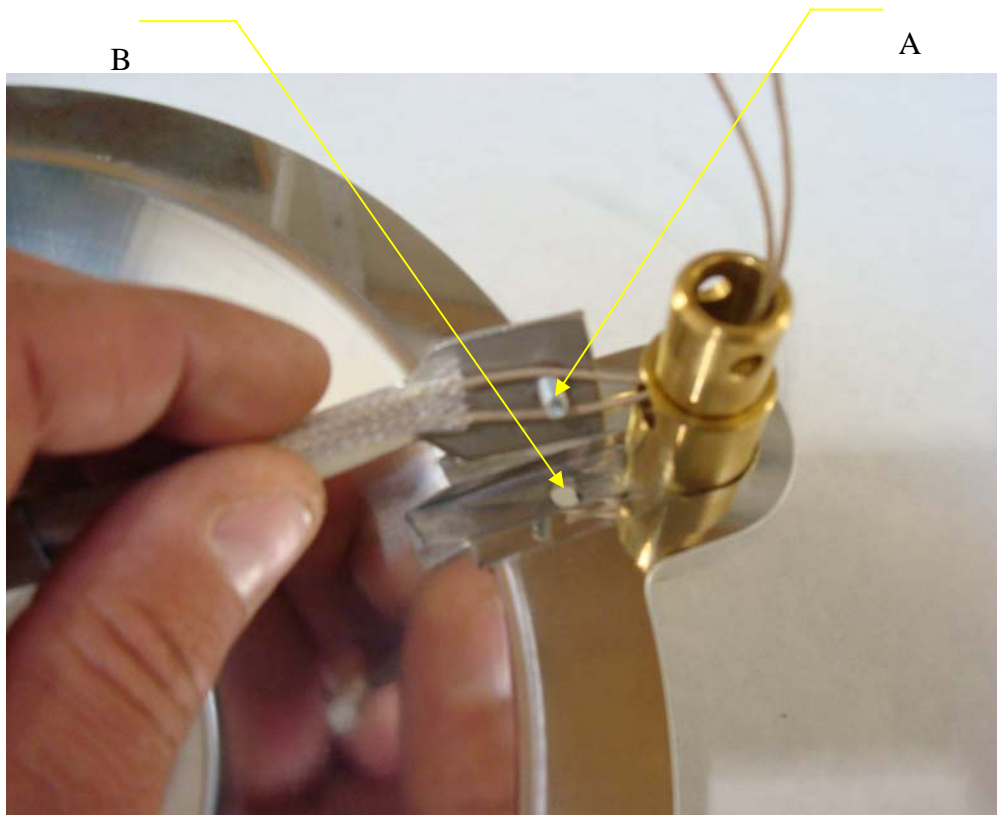
Ensure that the braided sleeve is passed through the spacer.

After the wires are passed through the spacer, insert each pin into the connector until it snaps into place. Ensure that the pins are inserted correctly by gently pulling on each wire; **the pins should not pull loose.**

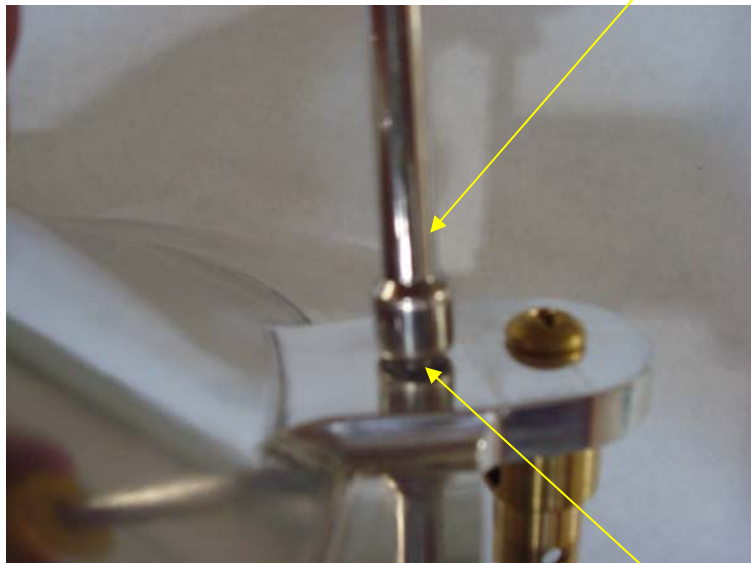
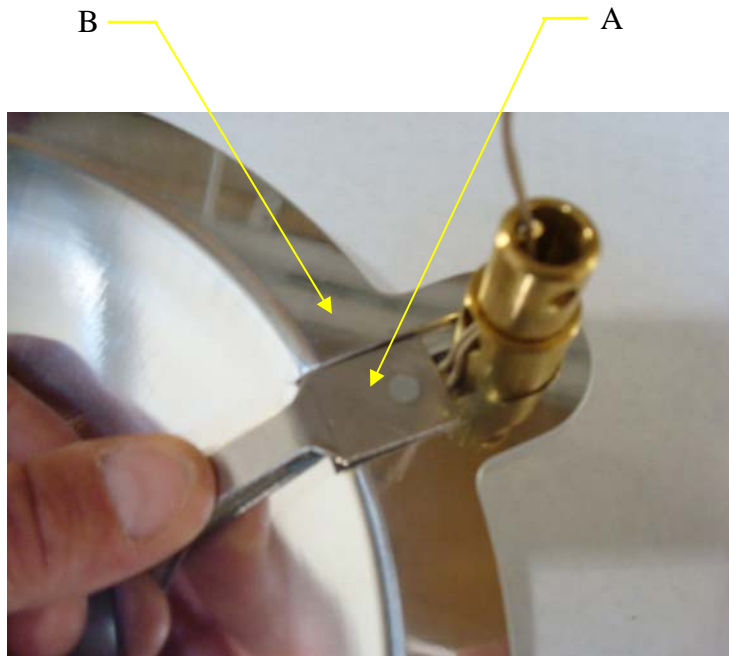


Install the bracket as shown using the original fasteners. Insert pin (A) into hole (B), Ensure that one wire is routed around each side of pin (A) as shown.

Warning: The RTD position is important for proper operation



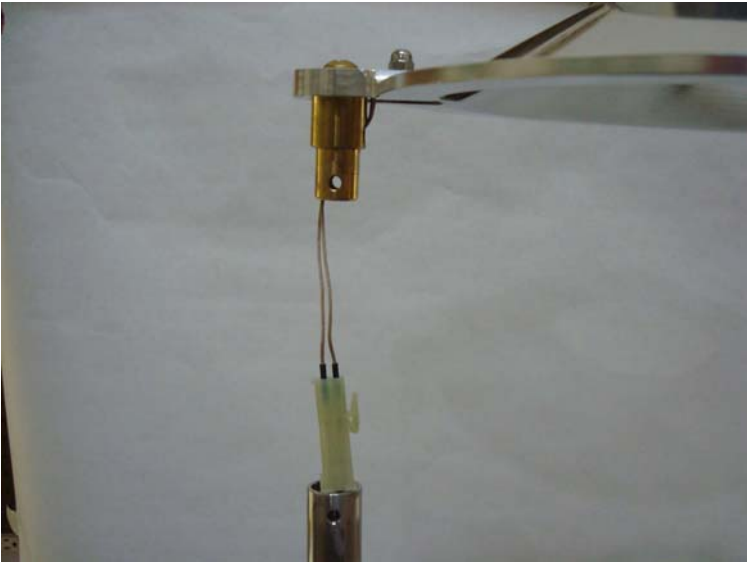
Ensure that the bracket face (A) sits flush to the smoke box face (B). If the bracket sits higher than the face of the smoke box, one or both of the RTD wires may be interfering. **Ensure that the RTD wires are within the lower channel of the smoke box.**



5/16" Nut Driver

Install the lock washer and nut, tighten using a 5/16 nut driver or wrench.

Nut and Washer



Install the new Assembly as shown ensures that connector locks, and then slide the connectors down the tube until the smoke box sits flush with tubes.



Reinstall the smoke box screws in reverse order, ensure that the washers are installed and the acorn nuts are tight.