

RTD REPLACEMENT INSTRUCTIONS

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.

- An adaptor is supplied if you have an older style RTD connection.
- A male and female connector is supplied for models with the connectors reversed.
- The old RTD is removed from the spacer by cutting the wires.

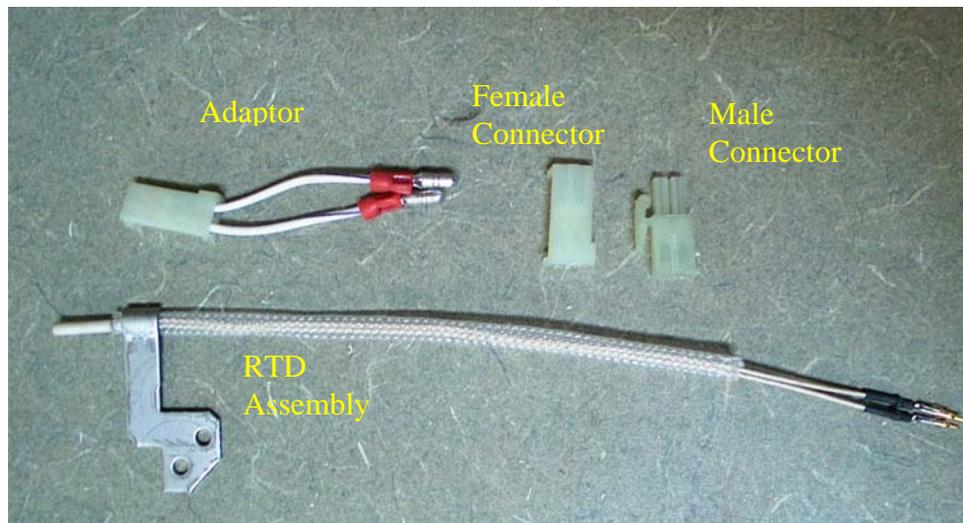
The new RTD placement is an improvement to the coffee roaster and is designed to eliminate the “cold roast syndrome”, the darker roast experienced when the roaster is cold. The new RTD placement will also provide a more consistent roasted coffee pound after pound.

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. The first 3-4 batches of coffee should not be roasted above a roast level 5 to prevent scorching of the beans. After the “bake in” phase the roaster should operate normally.

Tools Needed:

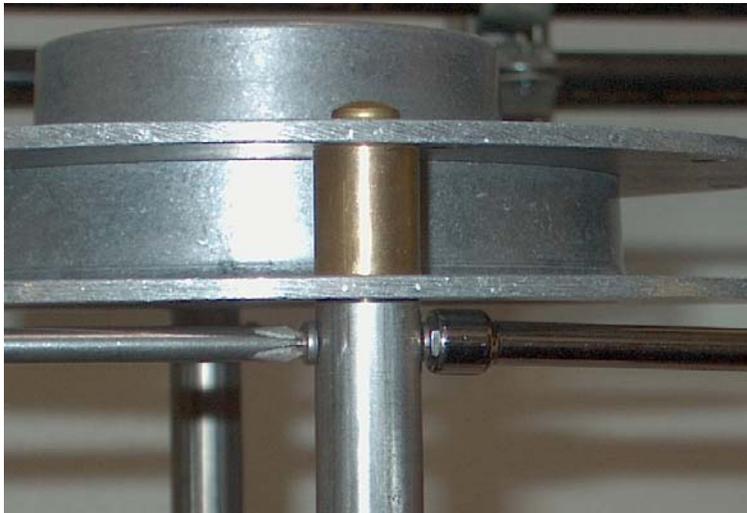
- Phillips screwdriver
- 5/26 nut driver or socket
- Wire cutters

Included Components:

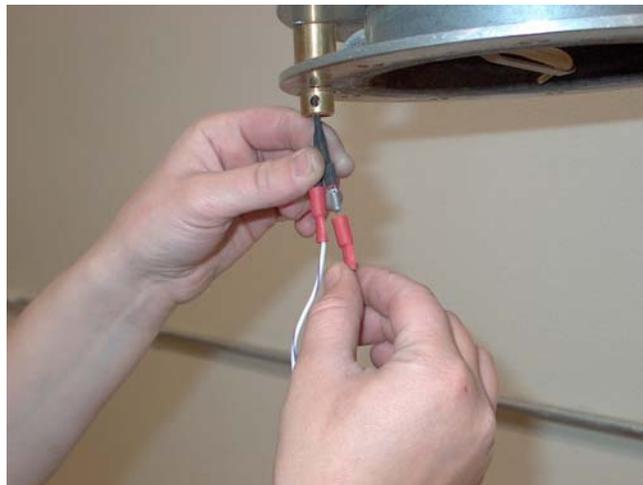


Before starting , read the instructions, remove power to the unit and ensure that the gas supply is turned off.

Remove smoke box screws using a #2 phillips screw driver and a 5/16" nut



Disconnect old RTD



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

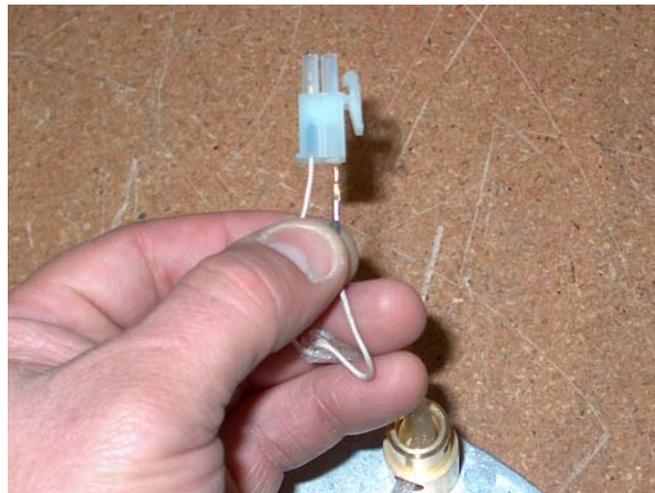


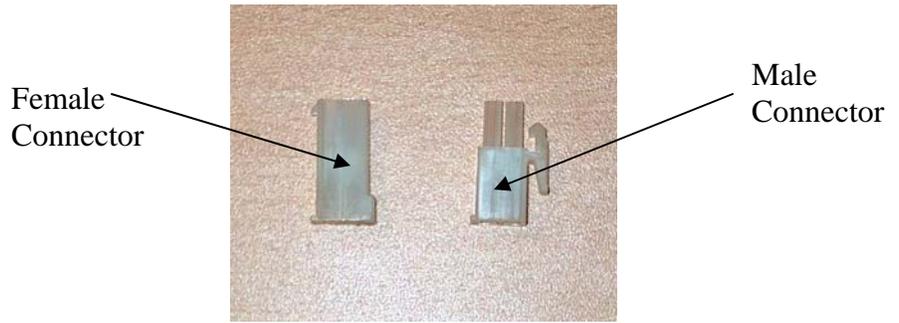
Insert RTD wires into the spacer hole and feed through. Ensure that the pins are not damaged in the process.



Ensure that the braided sleeve is passed through the spacer.

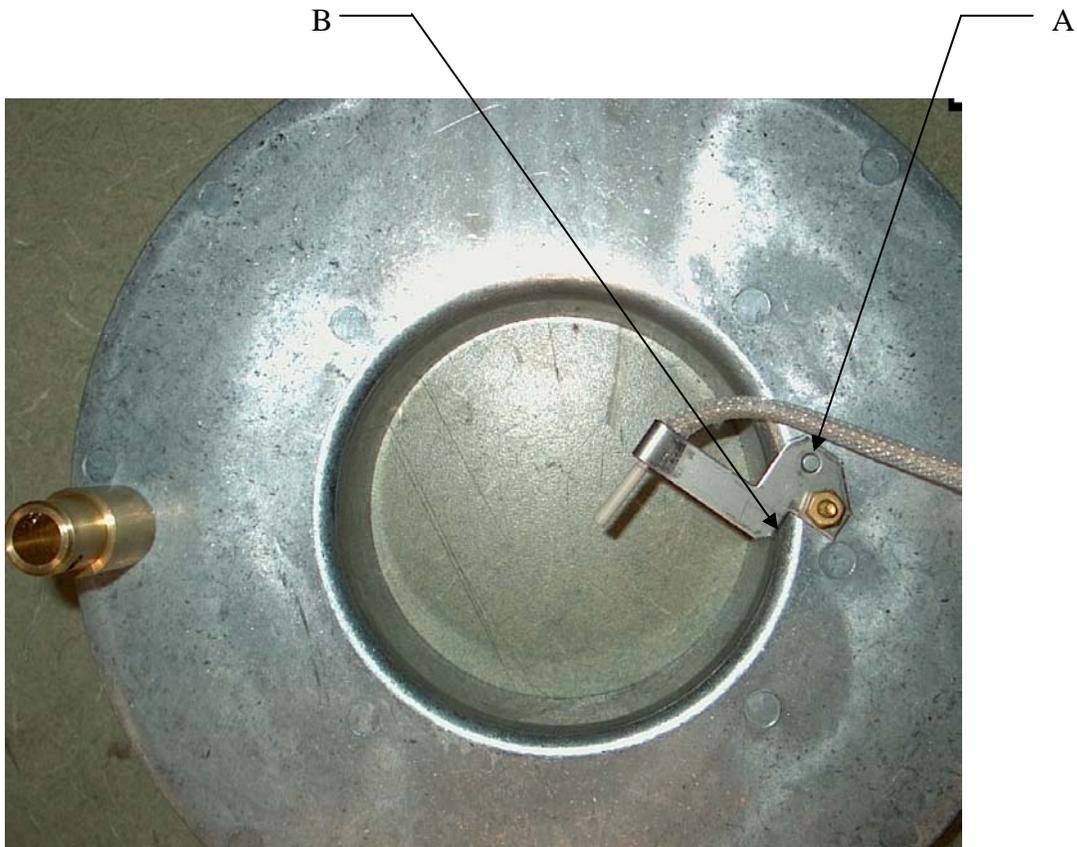
After the wires are passed through the spacer, insert each pin into the connector until it snaps into place. **Note: on some units the plastic connector may be installed backwards (i.e. the wires from the roaster may have a male connector rather than a female). Verify which type is on the roaster and install the opposite connector on the RTD.** Ensure that the pins are inserted correctly by gently pulling on each wire; **the pins should not pull loose.**



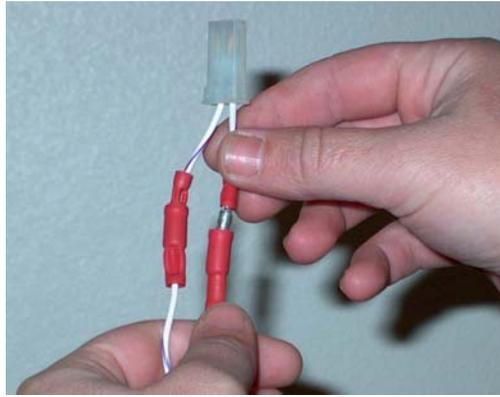


Install the bracket as shown using the original fasteners. If the smoke box has a pin, then install the bracket until to the pin as shown in photo (A). If the smoke box does not have a pin, align the corner of the bracket with the inside opening of the smoke box (B). **This is the correct position and will position the RTD very close to the center of the exhaust outlet.**

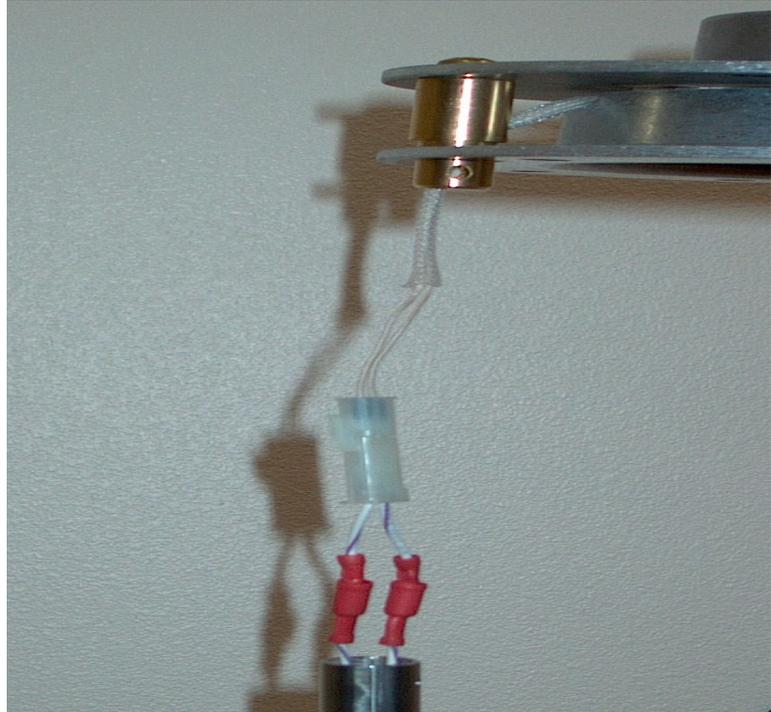
Warning: The RTD position is important for proper operation



If the connectors are the old style, the supplied adaptor must be installed. Insert the connector and press firmly until fully seated.



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



The new style connector does not require the adaptor. Ensure that the connector locks before inserting into tube.

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