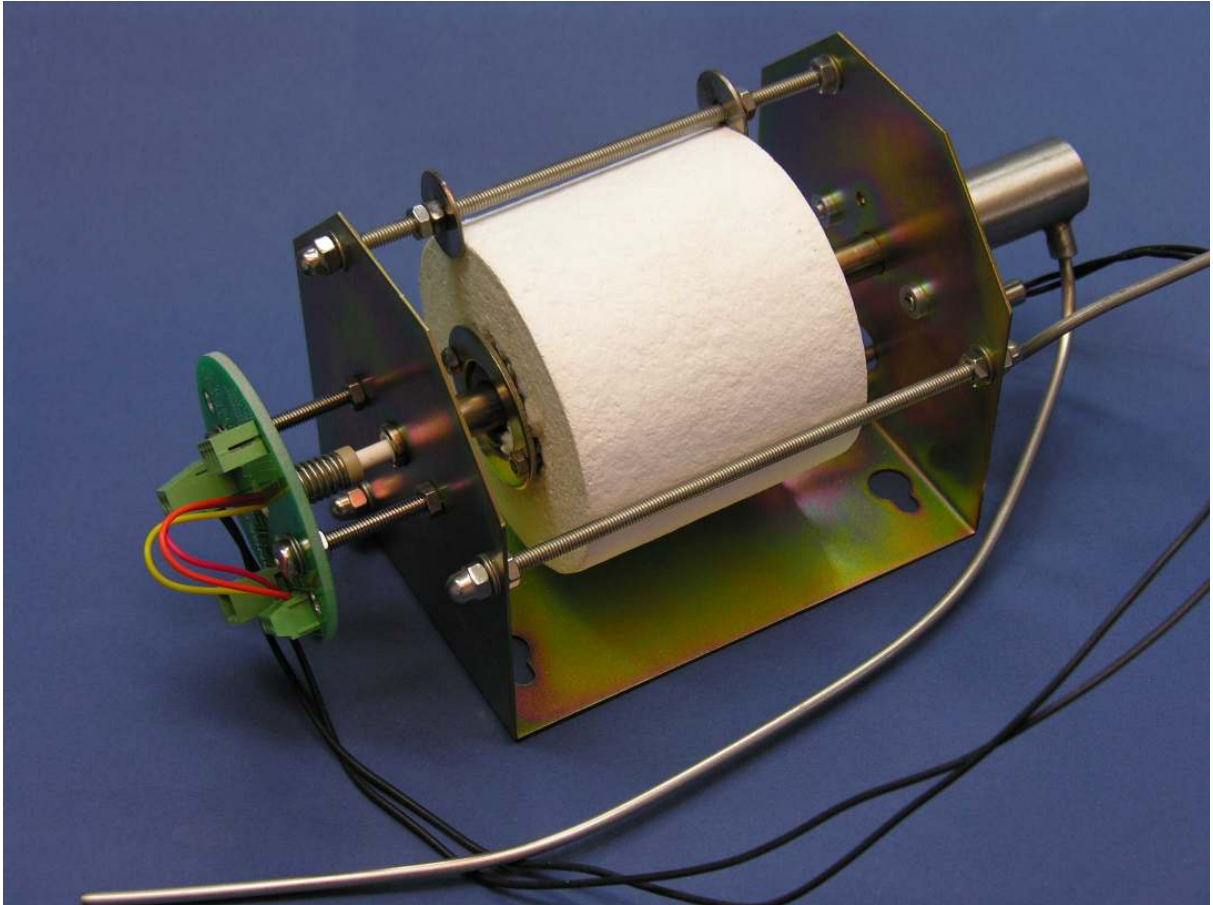


# Novatech Controls

## Service Note SN-009

### Replacing the Heater in the MOZ-2



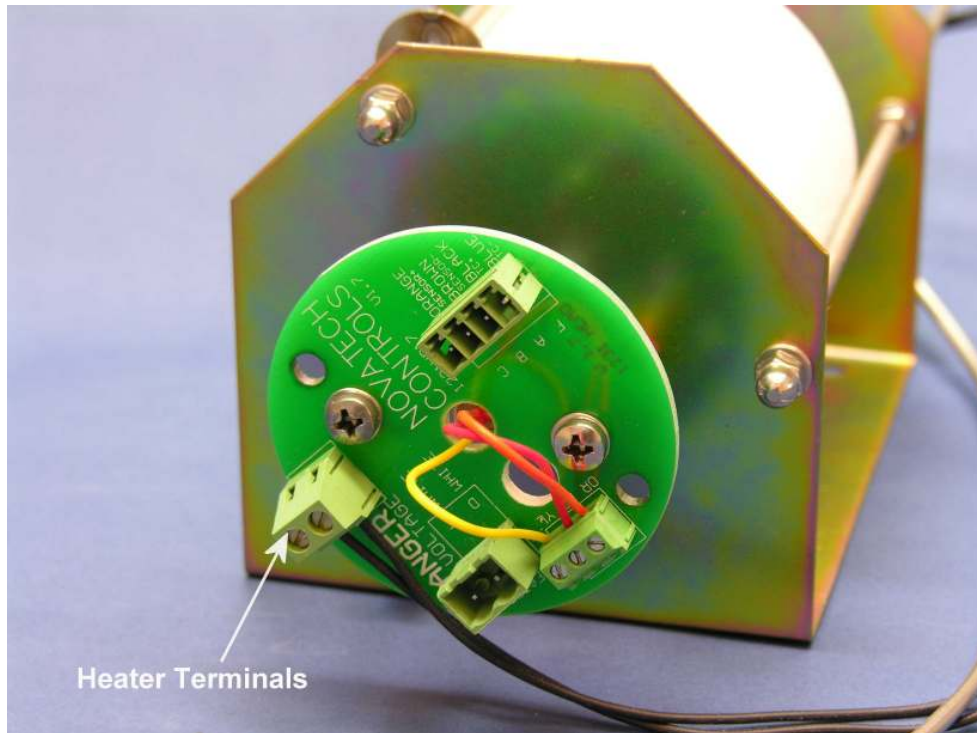
## 1.0 TOOLS REQUIRED

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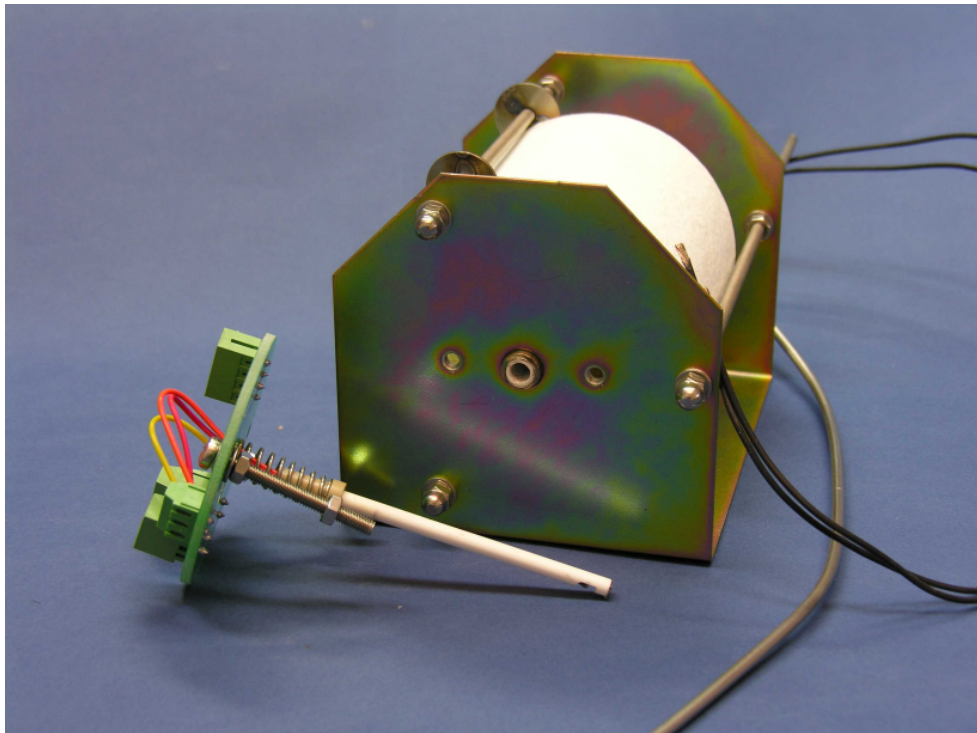
To carry out these procedures, the following tools are necessary:-

- 3mm flat blade screwdriver
- 7mm AF spanner
- No. 1 Phillips head screwdriver
- 150mm Ruler

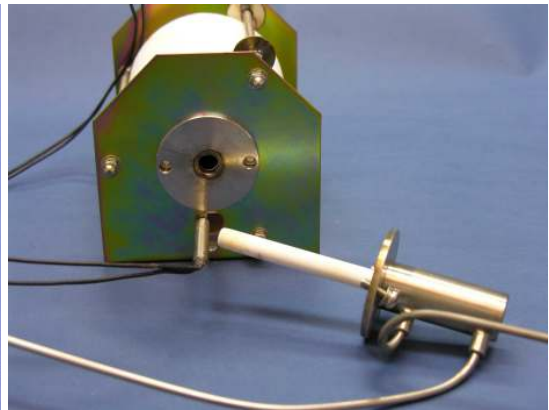
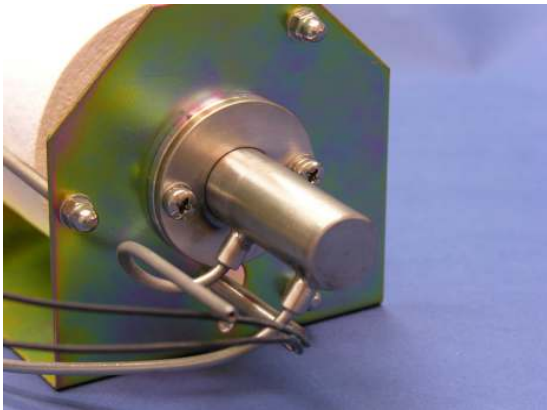
## 2.0 DISASSEMBLY PROCEDURE



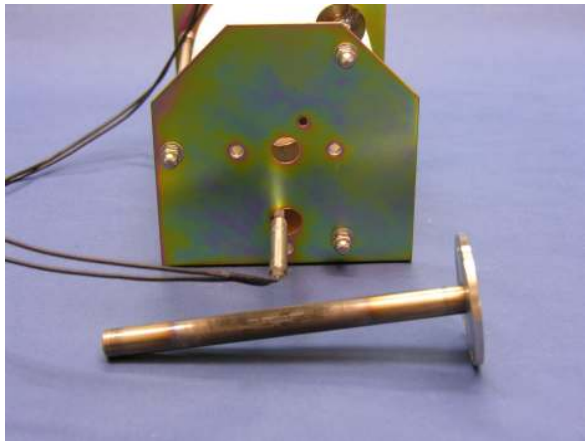
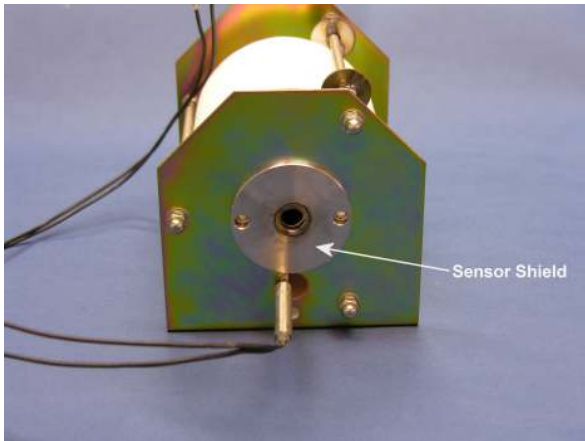
2.1 Remove the heater wires from the terminals on the printed circuit board



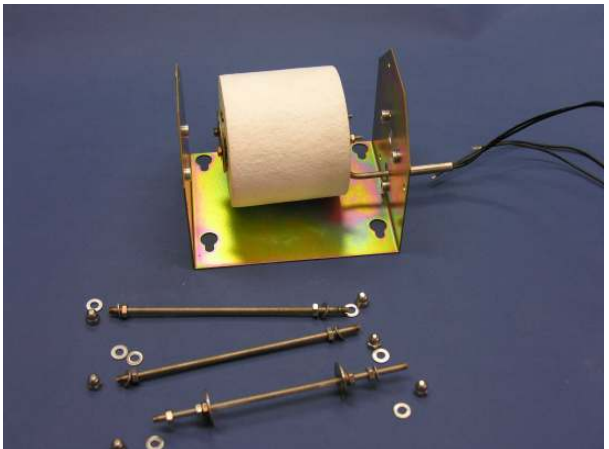
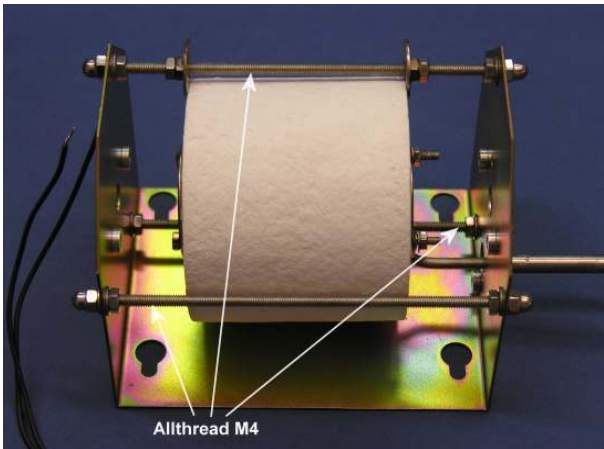
2.2 Remove the circuit board with the four-bore. Loosen the lock-nuts and remove the screws evenly to prevent breaking the four-bore assembly.



2.3 Remove the gas manifold / sensor assembly.

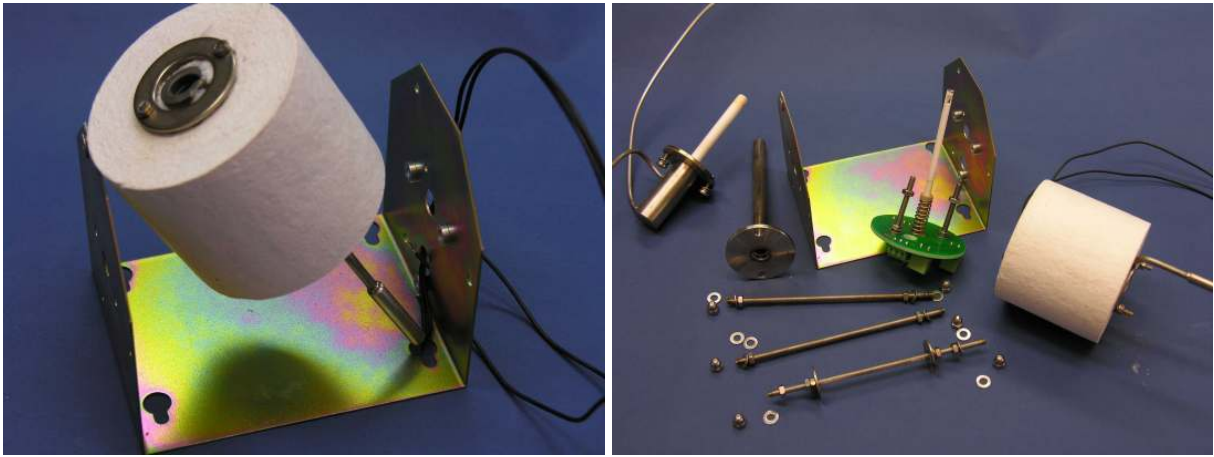


2.4 Slide the sensor shield out of the heater



2.5 .Remove the three M4 all-threads.

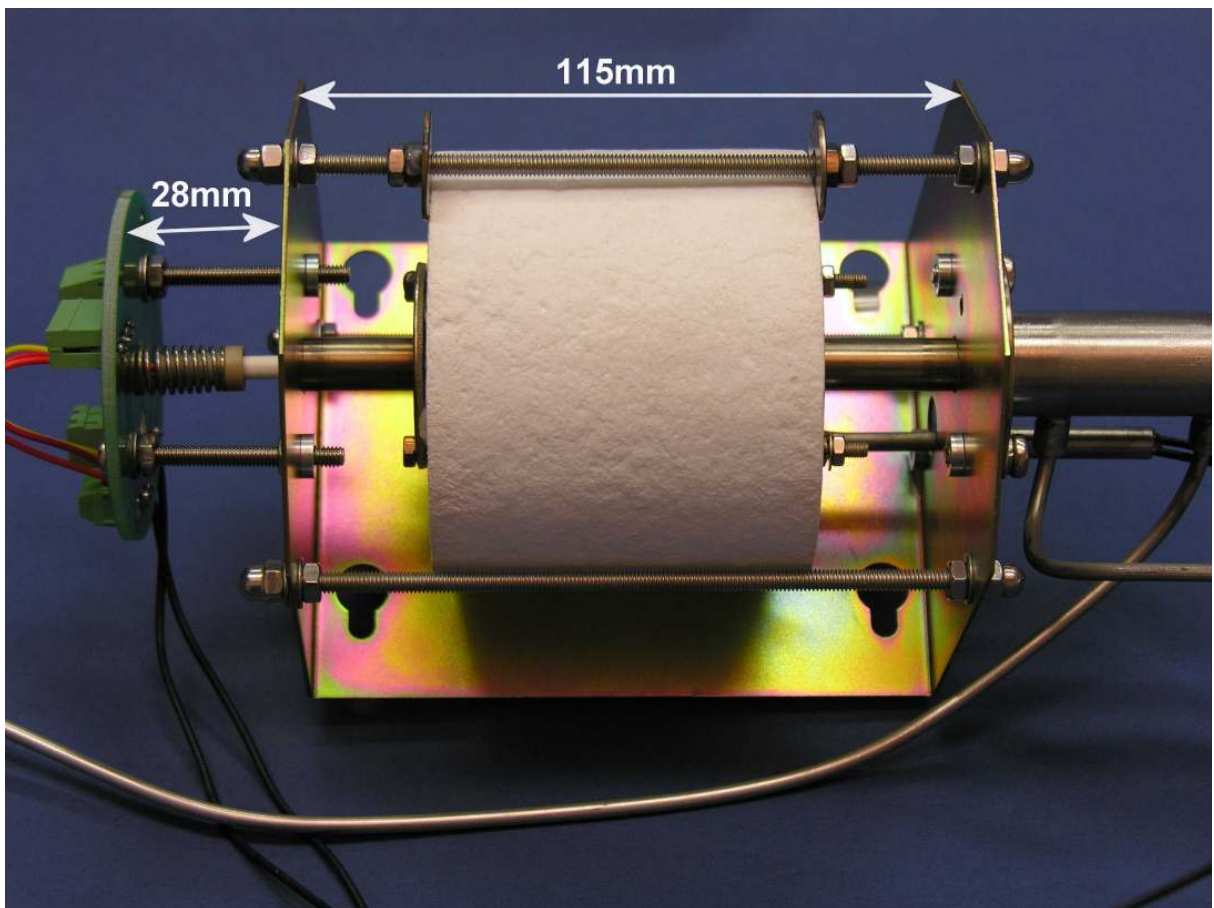




2.6 Remove the heater module.

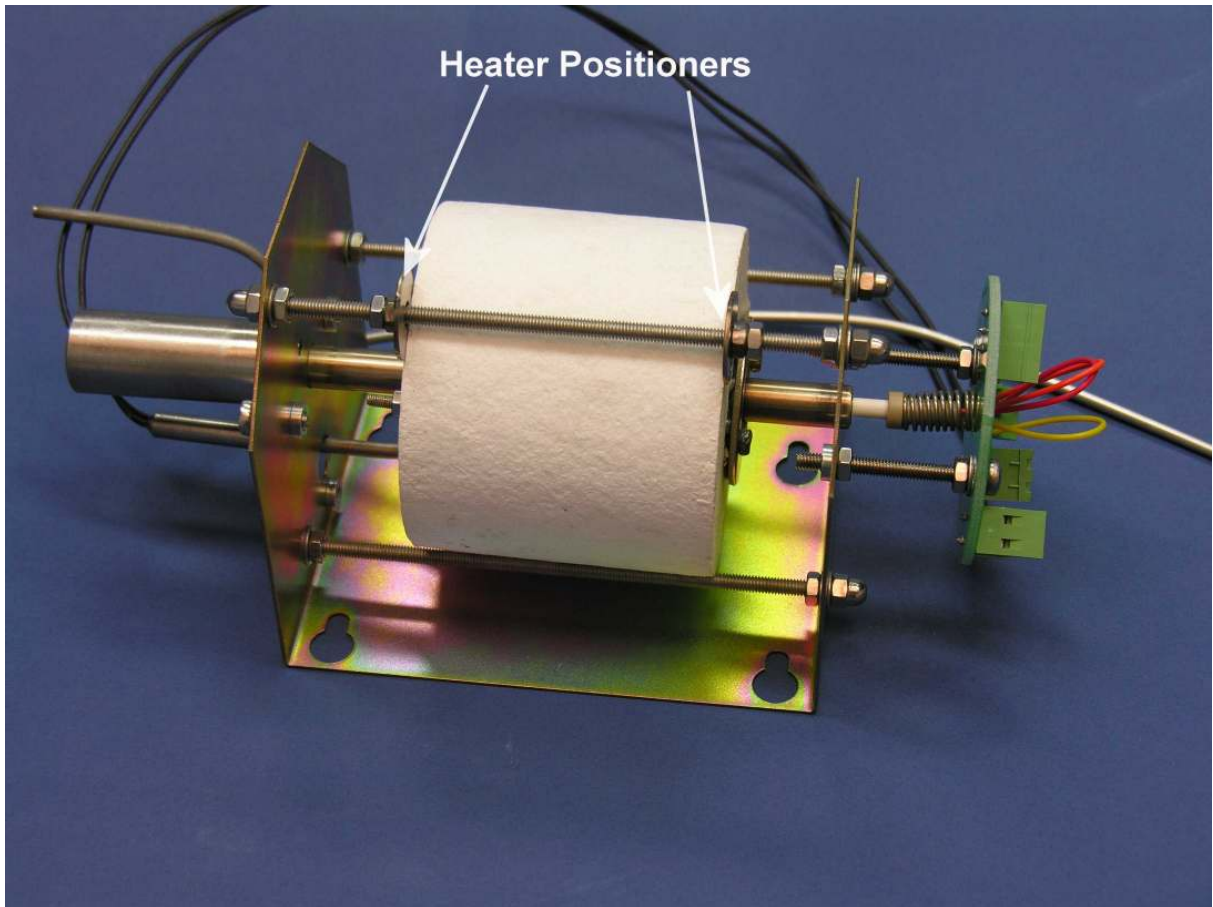
### **3.0 REASSEMBLY PROCEDURE**

3.1 Reassembly is simply a reversal of the disassembly procedure.



3.2 The spacing inside the heater bracket must be 115mm and the spacing between the circuit board and bracket must be 28mm.

## 4.0 FINAL ADJUSTMENT



- 4.1 Apply a flow rate at 150cc per minute of ambient air and adjust the heater position to obtain an offset of approximately -2mV. Lock the nuts to hold this position.
  
- 4.2 Apply a test gas (eg. 2% oxygen balance nitrogen) at 150cc per minute. Readjust the heater position to obtain a correct reading of the test gas.
  
- 4.3 Reapply a flow rate of ambient air at 150cc per minute. Measure and note down the final offset value.