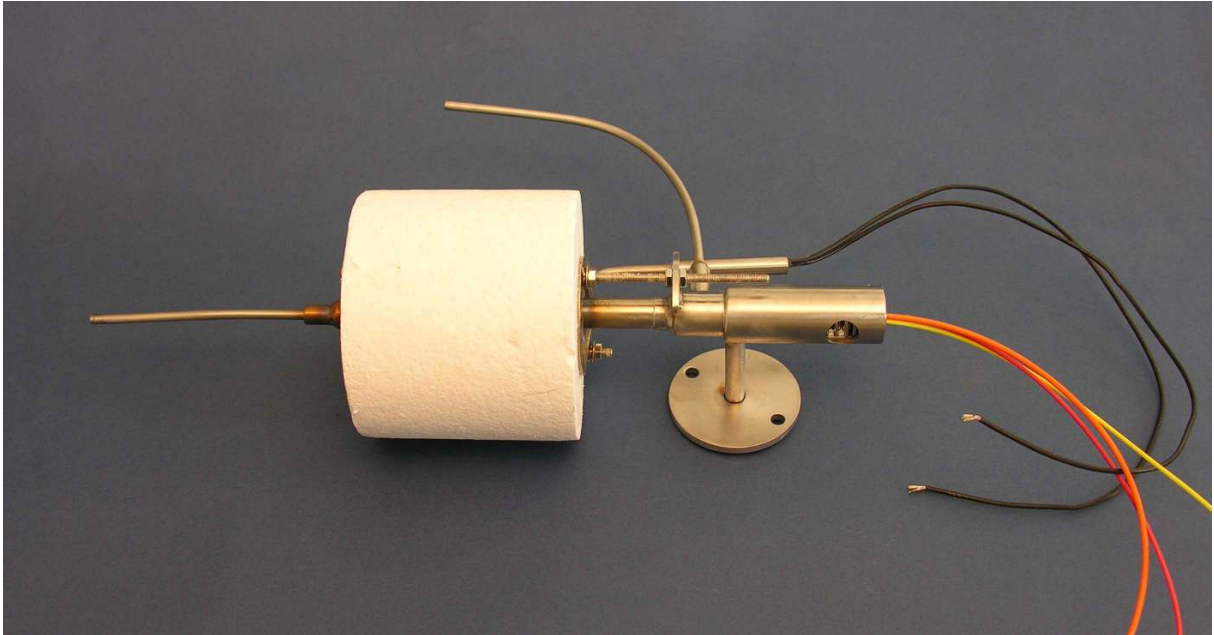


Novatech Controls

Service Note SN-008

Replacing the Heater in the MOZ-1



1.0 TOOLS REQUIRED

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

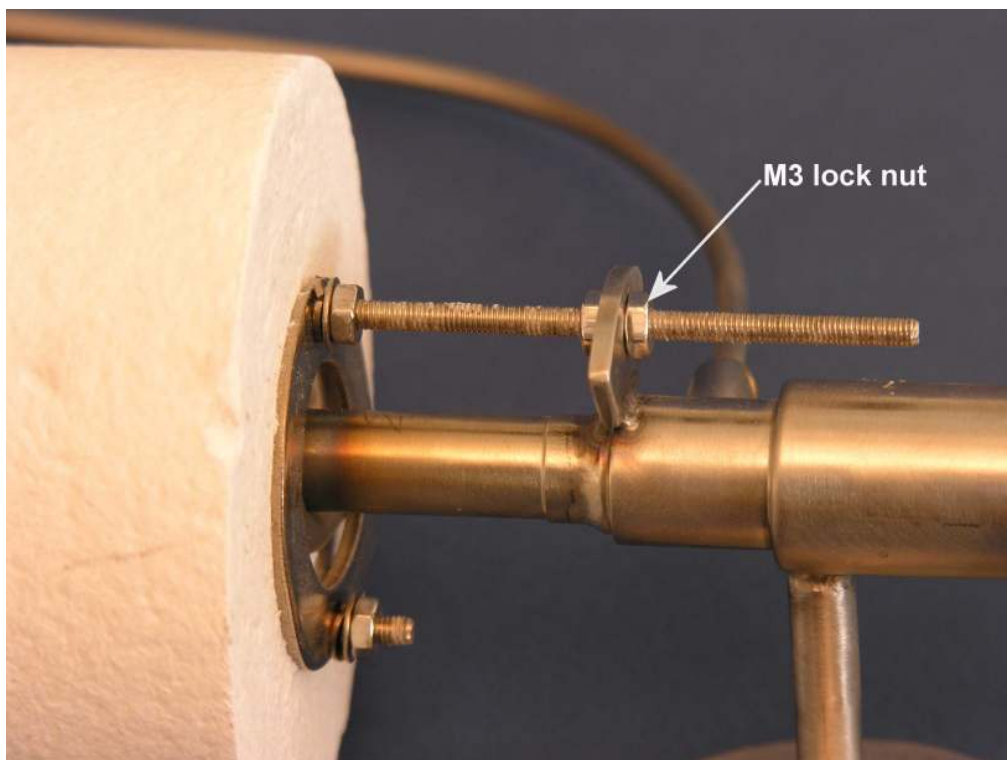
- 5.5 mm spanner

2.0 DISASSEMBLY PROCEDURE



2.1 Measure and note the distance between the heater insulator and adjustment bracket

2.2 Remove the heater leads from wherever they are terminated.



2.3 Remove the M3 locknut.



2.4 Slide the heater from the sensor assembly.

3.0 REASSEMBLY PROCEDURE

3.1 Reassembly is simply a reversal of the disassembly procedure.

3.2 Locate the heater position to the distance measured in step 2.1.

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.