

# TubeTAG<sup>PLUS</sup>™

**MARKES**  
international

## Installation Manual

Version 1.2

December 2009

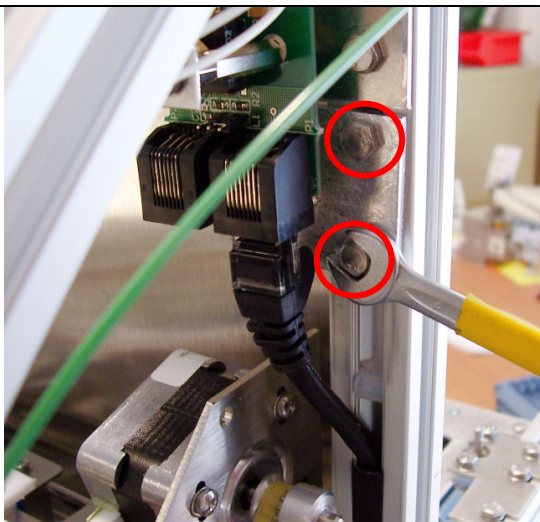
Note: Operators instructions can be found on the Technical CD supplied with the ULTRA (50:50)

Switch power off to ULTRA (50:50)

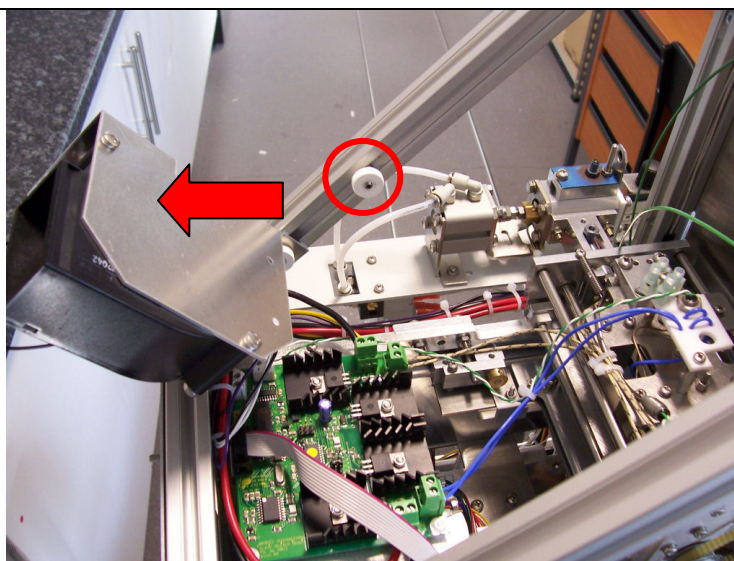
Remove the covers from ULTRA (50:50).

Loosen the 2 bolts holding the oven securing plate in place.

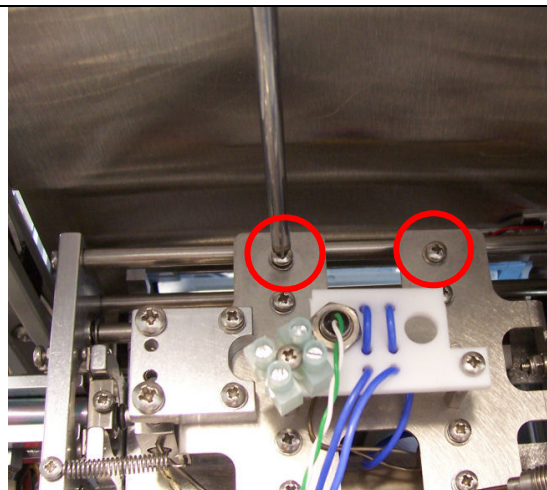
Raise the securing plate and retighten the 2 bolts.



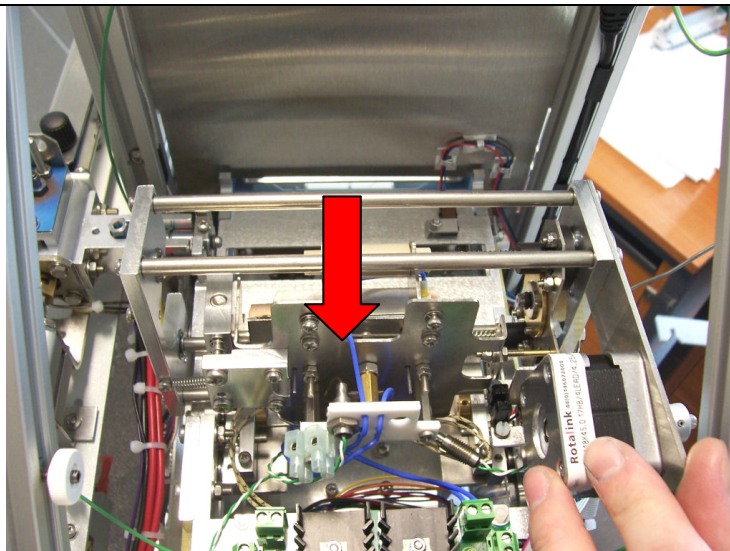
ULTRA 50:50 only - Loosen the white thumb screw then tilt the fan backwards.



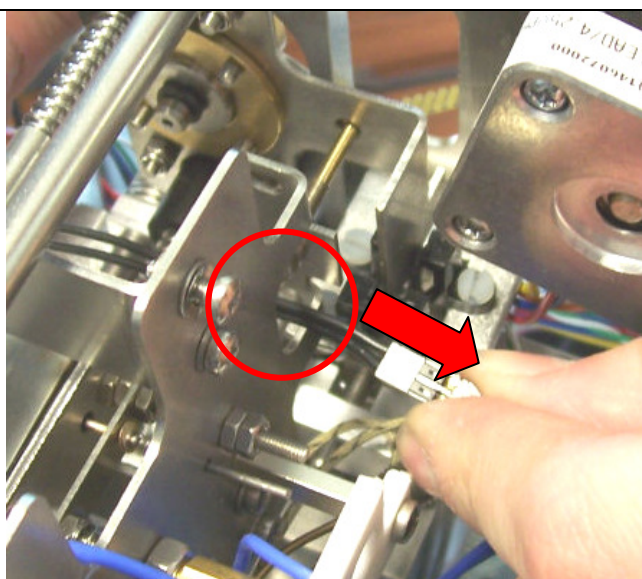
Loosen the 2 screws highlighted.



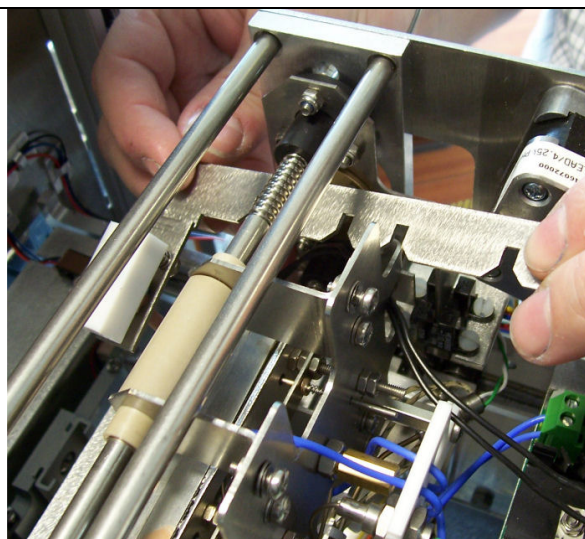
Tilt the tube oven assembly towards the rear of the instrument.



Feed the connector and wire from the TAG reader through the opening highlighted.

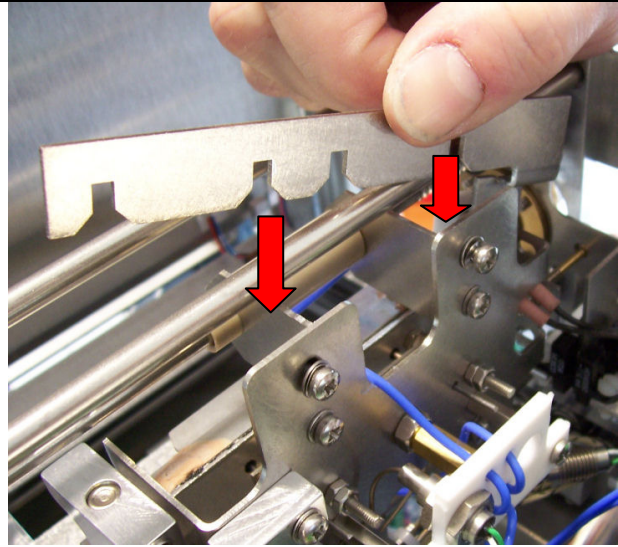


Feed the TAG reader plate through the opening shown.





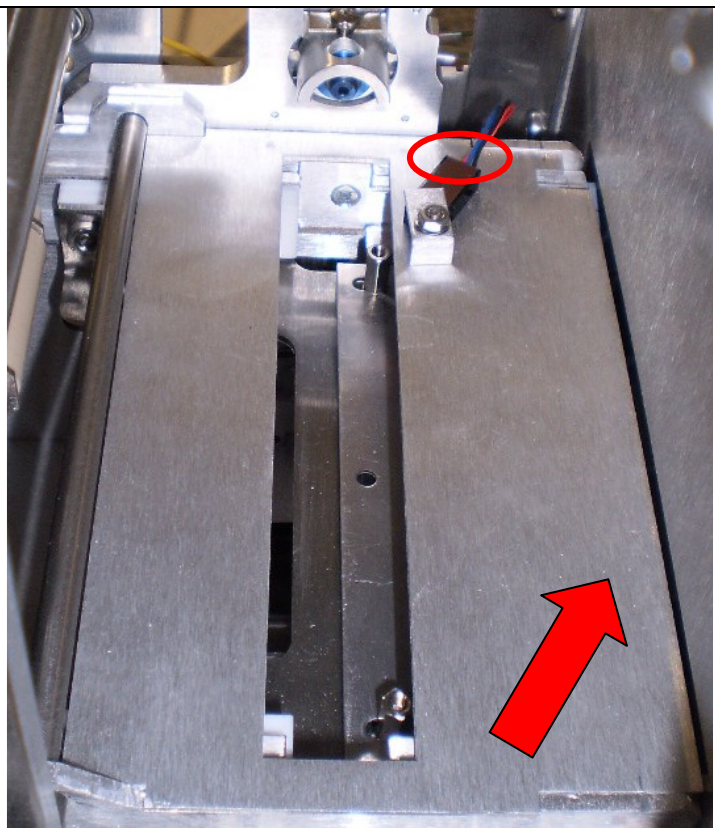
Locate the plate on the 2 loosened screws.



The heat and sensor plate needs to be replaced on system with serial no. before (GB00)M30764.

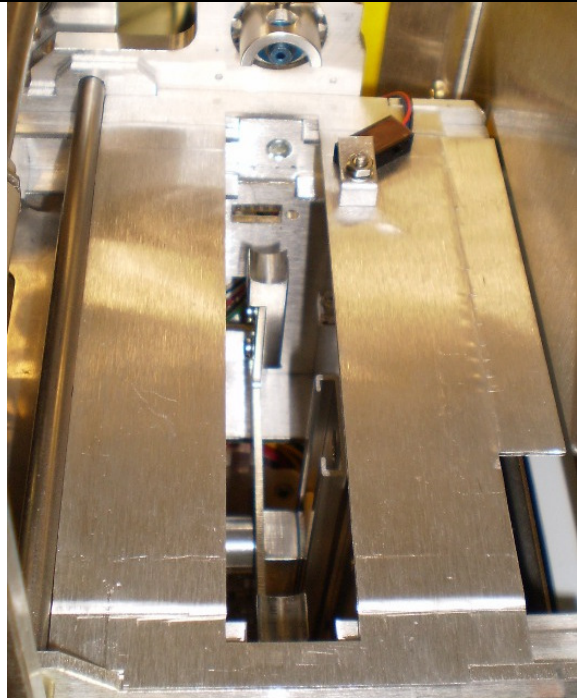
To remove the plate first disconnect the sensor by carefully pulling out the connector.

The plate can then be lifted out.

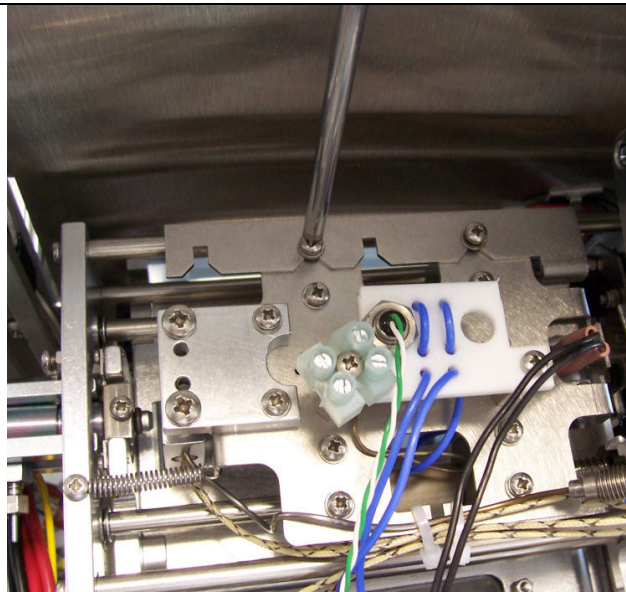


Insert the plate supplied with the TAG<sup>PLUS</sup> kit ensuring it sits flat in the groove.

Attach connector to the sensor.



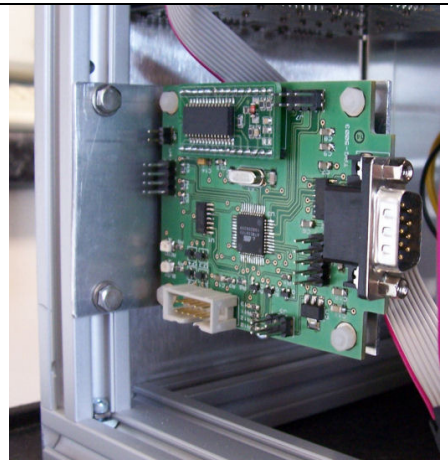
Tilt the tube oven back in place and secure the TAG reader plate.



**On ULTRA (50:50) with serial no. (GB00)M2xxxx**

Mount the TAG PCB on the rear left of the instrument as shown.

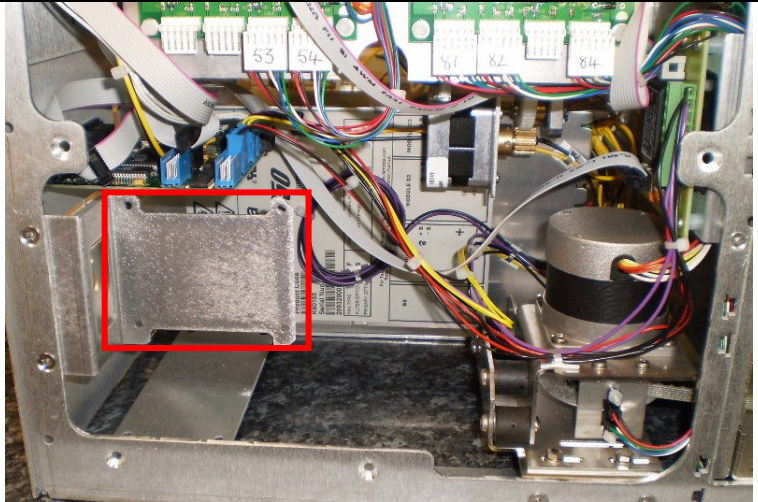
**Note: Ensure board does not contact the control PCB**



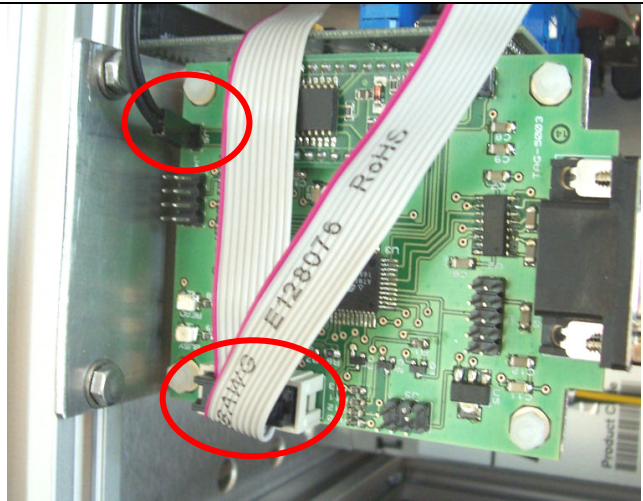


**On ULTRA (50:50) with serial no. (GB00)M3xxxx**

Mount the TAG PCB on the rear left of the instrument on the mounting plate highlighted.



Plug the ribbon cable and TAG reader connector into the PCB.



Secure any loose wires with cable ties.  
Replace all covers.

