TT24-7™

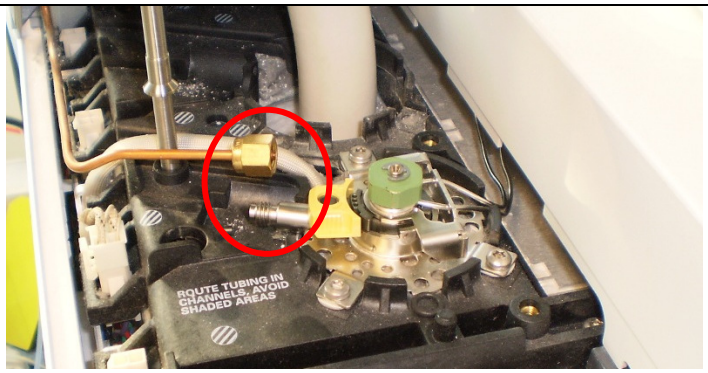
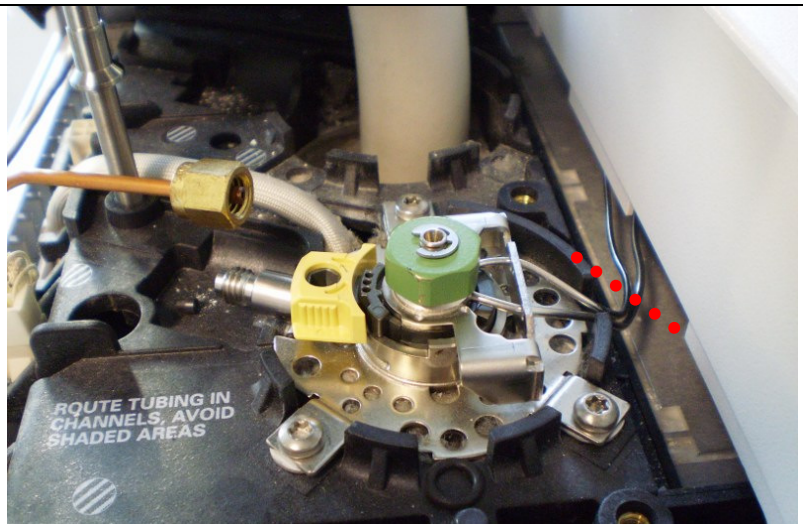
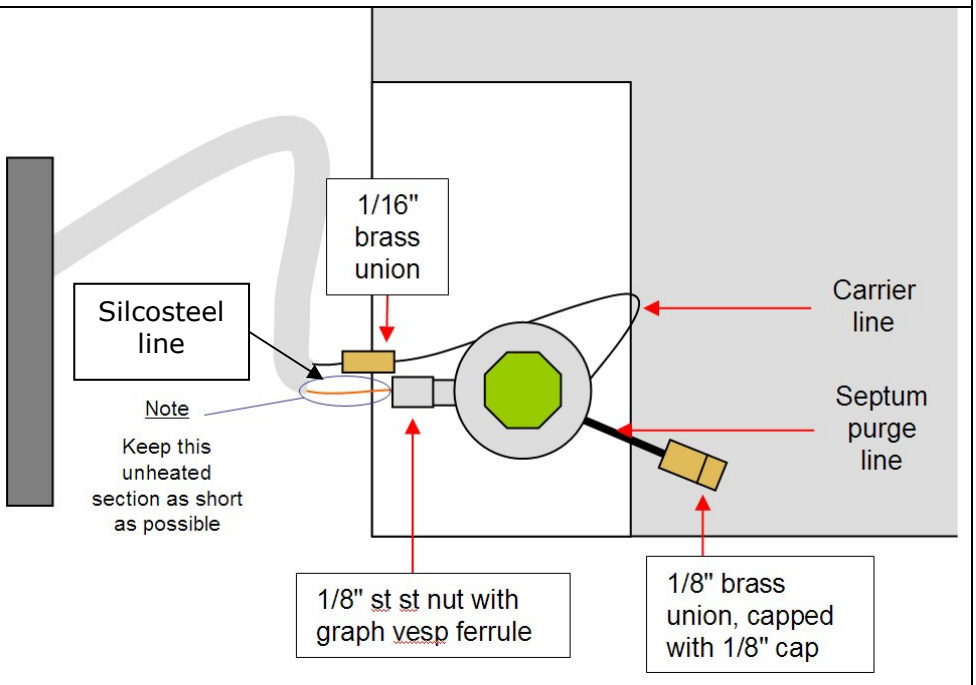
MARKES international

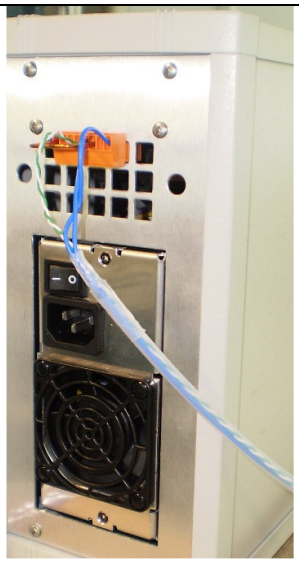
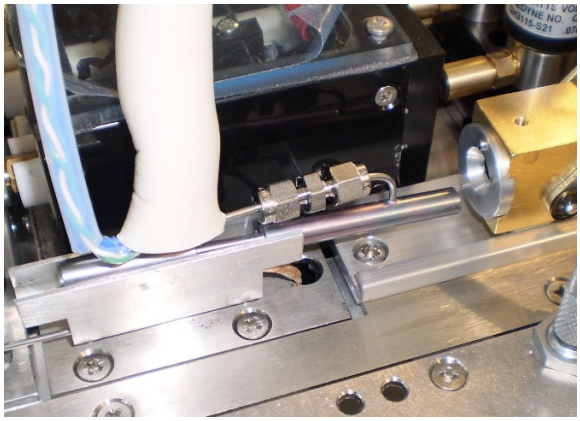
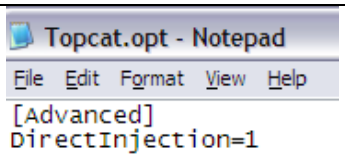
Heated Inlet Accessory (U-TTINL) Installation

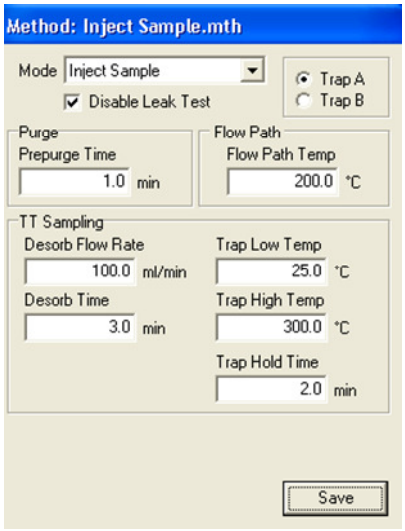
Version 1.0

October 2009

1. Installation on 7890 GC

Switch off gas supply to inlet and heaters and allow to cool. Remove the torq screws securing the panel on the inlet(s). Remove the 1/8” split line connection as shown.	
Next cut the septum purge and carrier lines close to the injector.	
Connect the heated inlet accessory to the injector as shown using the supplied fittings.	

Using the supplied no hole ferrule and inlet column nut, seal up the injector column connection inside the GC oven.	
Attach the orange plug on the heated interface to the controller as shown. Fit the tube interface end of the heated accessory into the tube oven of the TT24-7 in the orientation shown.	 
Install the 4.0.2 version of the TT24-7 software supplied. One installed explore to the TT24 directory and edit topcat.opt using notepad. Change DirectInjection=0 to DirectInjection=1 then save the file.	
Once the software is loaded in the mode drop down box select 'Inject Sample'.	Information on this mode, which allows calibration using a liquid standard via the GC injection port is given below.



Flow Path Temp	Temperature set-point for transfer line, and all valves, through which sample will pass. The tube oven will also be heated to this temperature.
Desorb Flow Rate	Flow rate at which the carrier gas will be supplied via the GC injection port and through the cold trap.
Desorb Time	Time for which sample is passed through the focusing cold trap.
Prepurge Time	Time which carrier gas is passed through the trap immediately prior to desorption.
Trap Low Temp	Temperature that trap will be controlled at during the sample inject and prepurge stages.
Trap High Temp	Temperature used to desorb the cold trap and transfer analytes to the GC.
Trap Hold Time	Time for which the trap will be held at the desorption temperature.

At the start of the 'Desorb Time' inject the liquid standard through the liquid injector on the GC. The standard is then swept onto the trap for the remainder of the 'Desorb Time'.