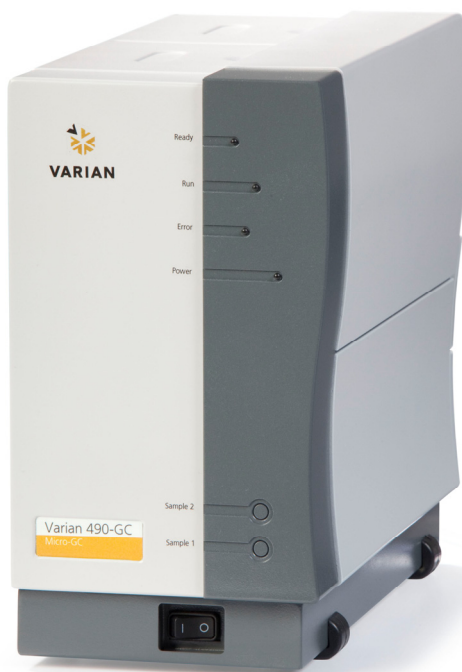


NOTICE: This document contains references to Varian.
Please note that Varian, Inc. is now part of Agilent
Technologies. For more information, go to
www.agilent.com/chem.



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Micro-GC Channel Exchange



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679 Springvale Road
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EXCHANGING A Micro-GC GC CHANNEL

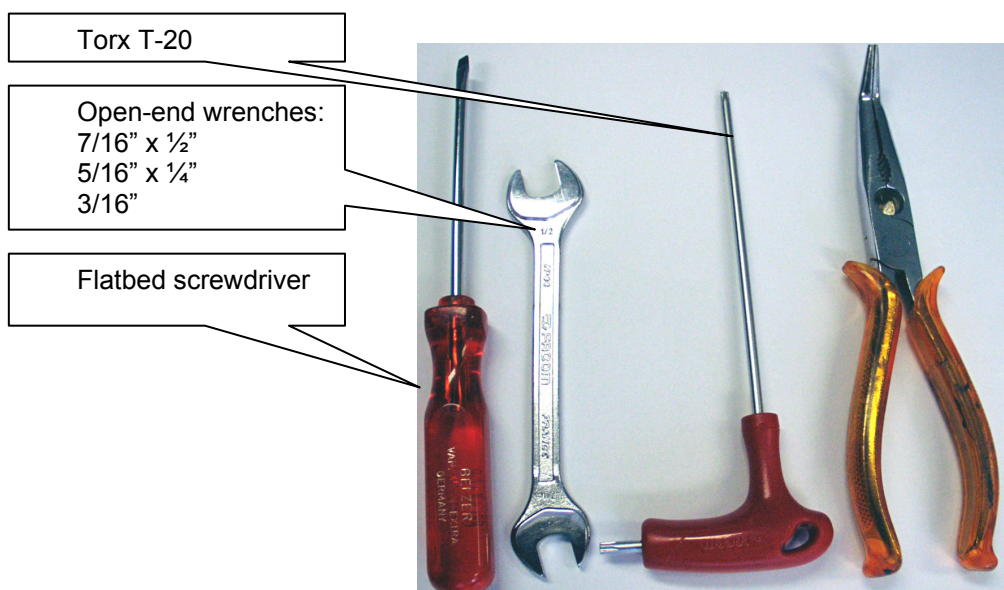


WARNING

Before removing the Micro-GC covers, allow all heated zones to cool down.
Turn off the power and disconnect the power cord at their source.
Remove any tubing connected to the sample-in and carrier-gas inlet connectors.

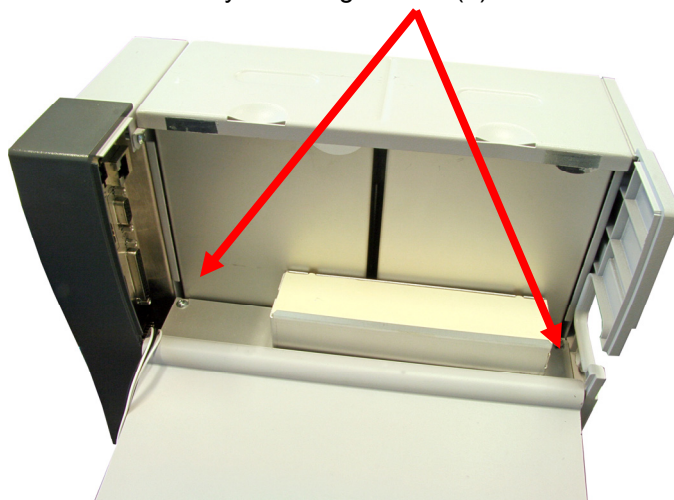
Tools required

The following tools are required to perform the replacement procedure described in this document.
Allow approx 15-20 minutes.

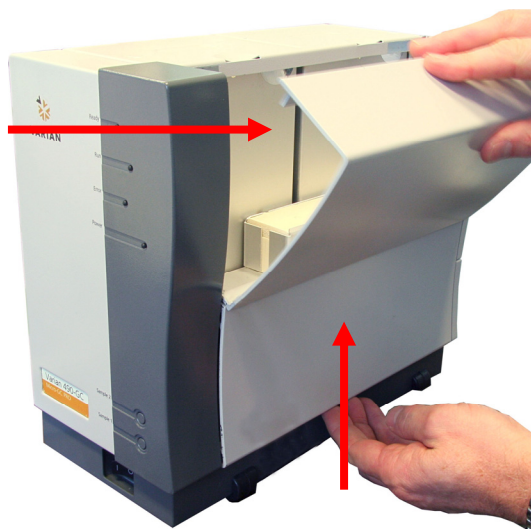


Replacing procedure

1. Remove power cord.
2. Remove sample-In and carrier gas connections.
3. Open the side cover.
4. Remove the side cover by removing the two (2) Torx T-20 screws.



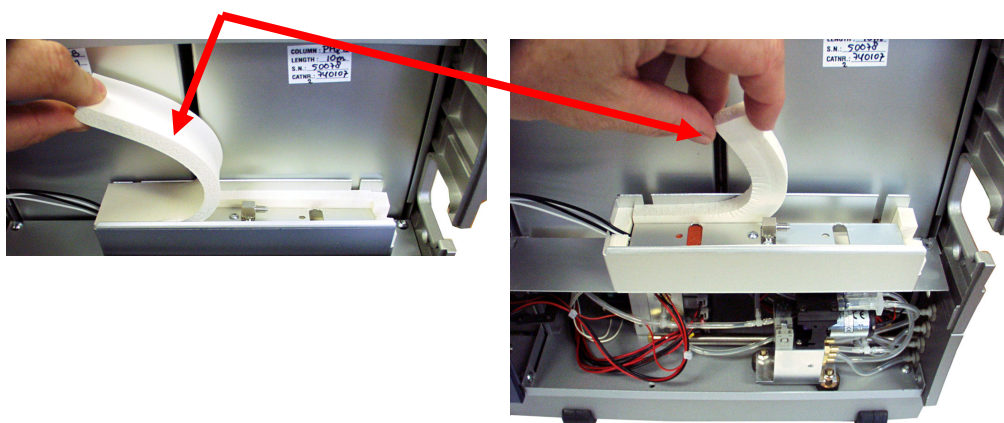
5. Carefully lift the side cover up and remove it.



6. At the back of the Micro-GC remove the two (2) Torx screws that hold the top cover.
7. Slide the top cover 5-10 mm in the arrow direction and lift the top cover up.

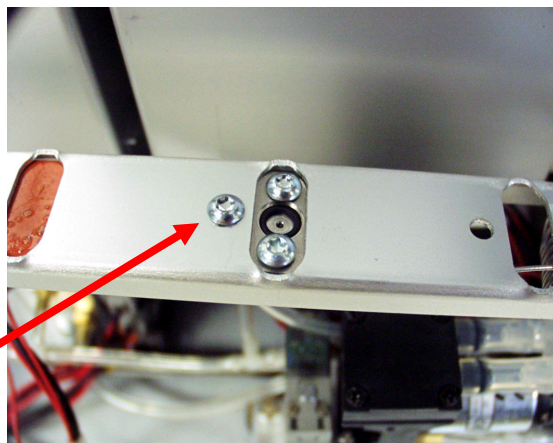
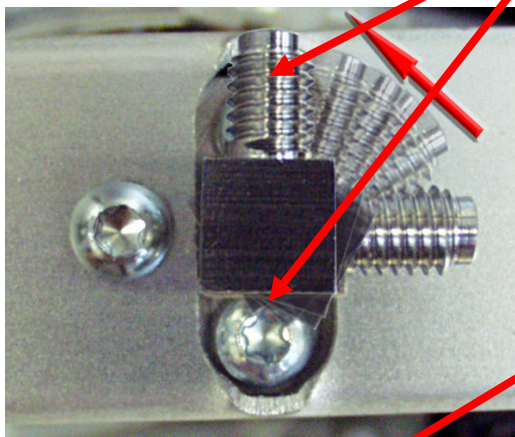


8. If **NO** heated sample line is present, please proceed to point 16.
9. Remove the top and side insulation (heated sample line only).

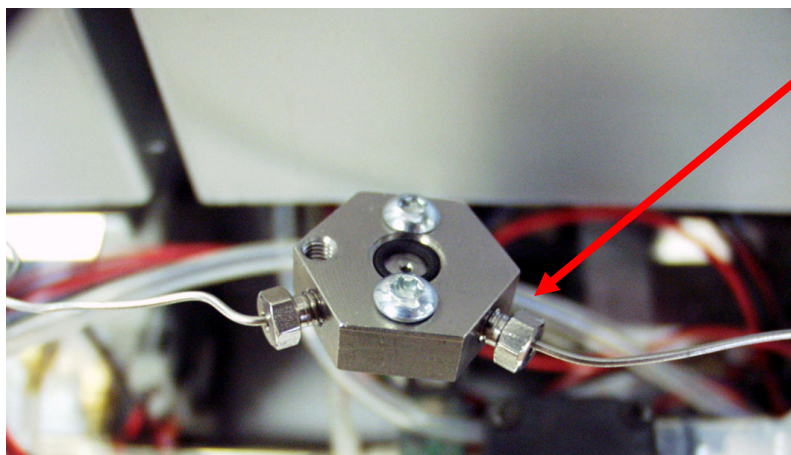


10. Carefully remove the sample inlet oven box.

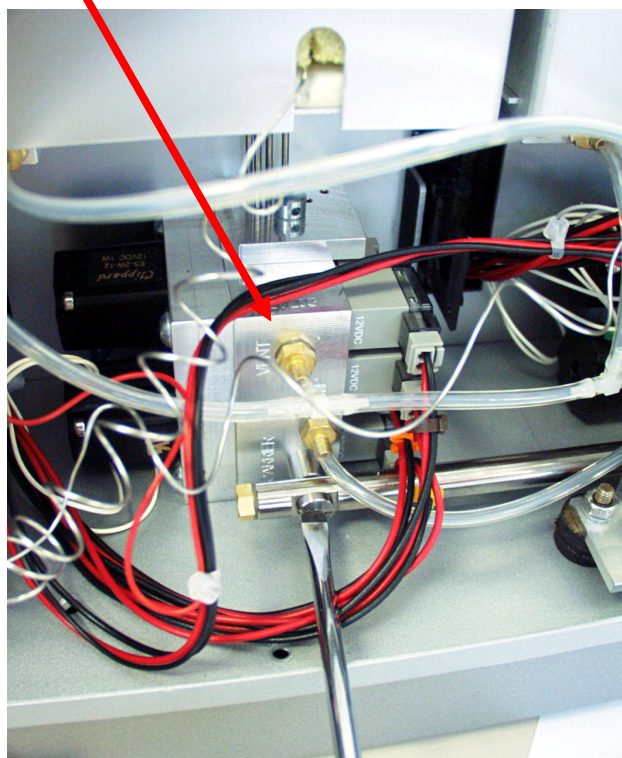
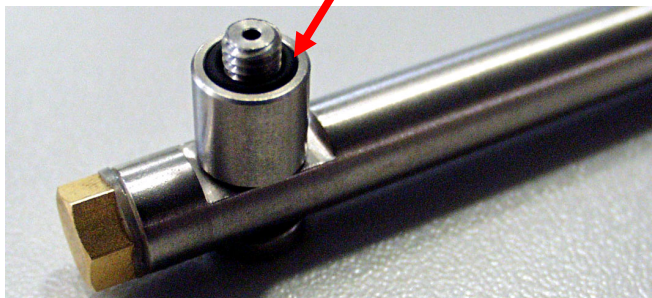
11. Loosen only one turn (do not remove!) the two Torx T-10 screws.
12. Turn the heated sample inlet connector 90° counter clockwise (arrow direction) and remove him.



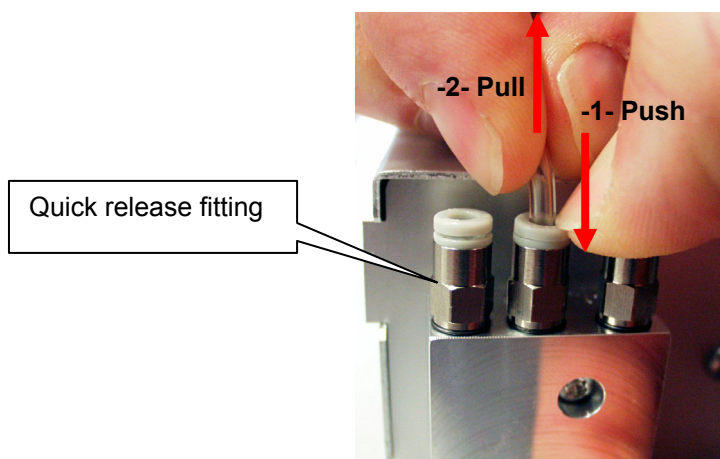
13. Remove the Torx T-10 screw.
14. Lift the heated sample bracket up and remove it.
15. Holding the sample-in manifold with a adjustable wrench, remove using a 3/16" open wrench the sample inlet connector of the channel that has to be removed.



16. Loosen (do not remove) both (2-channel) carrier gas inlet tubes with the help of a Philips screwdriver, paying extra attention to the O-ring(s).



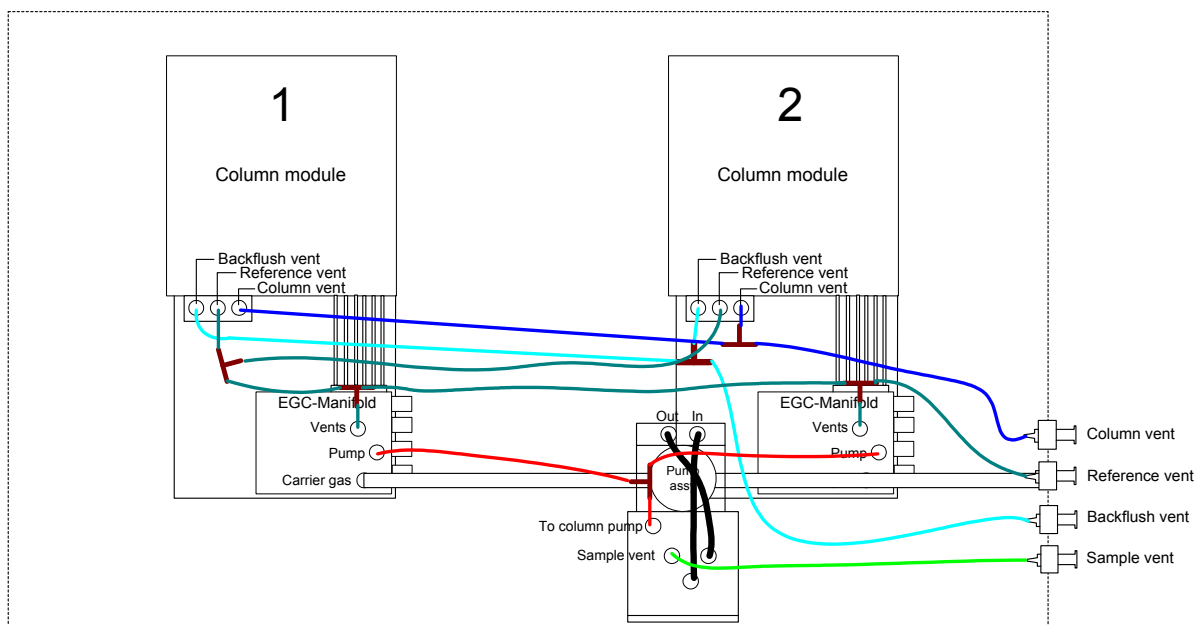
17. **Mark the transparent tubing before removal!** Using the correct procedure, carefully remove all transparent tubing connected to the analytical module unit and EGC manifold block. All Micro-GC's systems produced from mid July 2002 are supplied with a new type of quick release fittings. To remove the transparent tubing just push and pull.



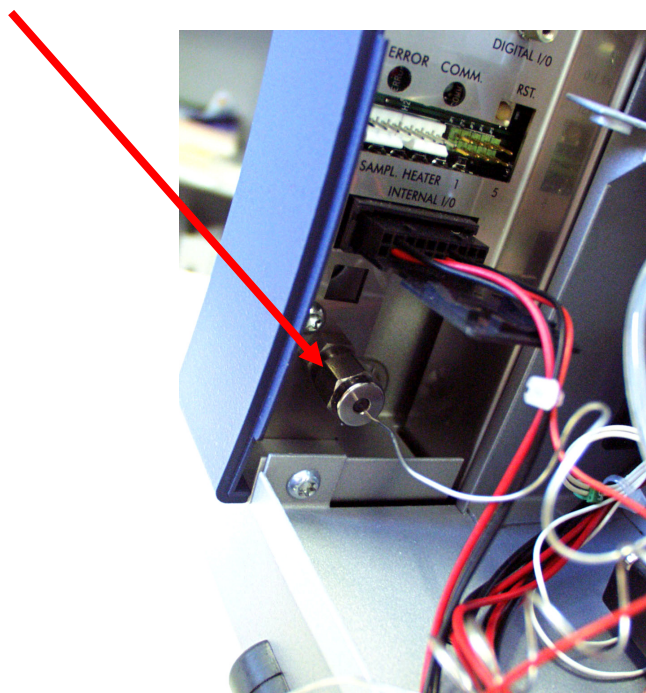
The transparent tubing of systems produced before mid July 2002 must only be removed using the procedure given below.

1. Place a flatbed screwdriver under the end of the tubing.
2. Rotate the screwdriver slowly lifting the tubing of the tube.

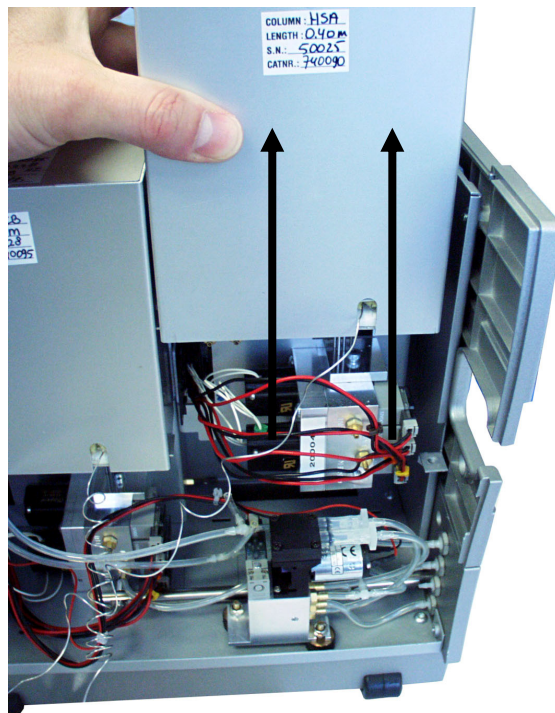




18. Remove the sample inlet nut (or heated sample line) and pull out the capillary tubing.



19. Carefully lift the analytical module out of its socket and replace it.



20. Reassembly is the reverse of removal.



- Pay during reassembly extra attention to the carrier gas tube O-ring(s) and heated sample connection block O-ring. Replace if necessary!
- Check for leaks after reassembly!
- Upload in the workstation software the NEW configuration.