



Agilent Technologies

6890 Replacement of ECD Make-up Gas Adapter

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The information contained herein is intended for use by informed individuals who can and must determine its fitness for their purpose.

Replacing the make-up gas adapter

After removing the ECD detector from the GC, you can further disassemble it to replace the make-up gas adapter. The make-up gas adapter consists of a line from the detector pneumatics manifold that carries make-up gas to a weldment that screws into the bottom of the ECD detector. From there, the make-up gas sweeps past the end of the column and carries the column effluent into the ECD cell.

1. Remove the detector as described in the *Replacing the entire detector/detector cell* procedure in this section.
2. Remove the Torx T-20 screw holding the pneumatics block(s) to the detector manifold.

Note

There are two pneumatics blocks on the EPC version of the ECD pneumatics manifold. The outside block is the anode purge gas line and the inside block is the make-up gas line.

3. Slide the make-up gas adapter up and out of the GC.
4. When re-installing the make-up gas adapter, ensure the following:
 - Approximately six inches of the make-up gas line should reside in the oven after installation.
 - The make-up gas line should be bent into a coil that loops around the bottom of the detector weldment and make-up gas adapter.

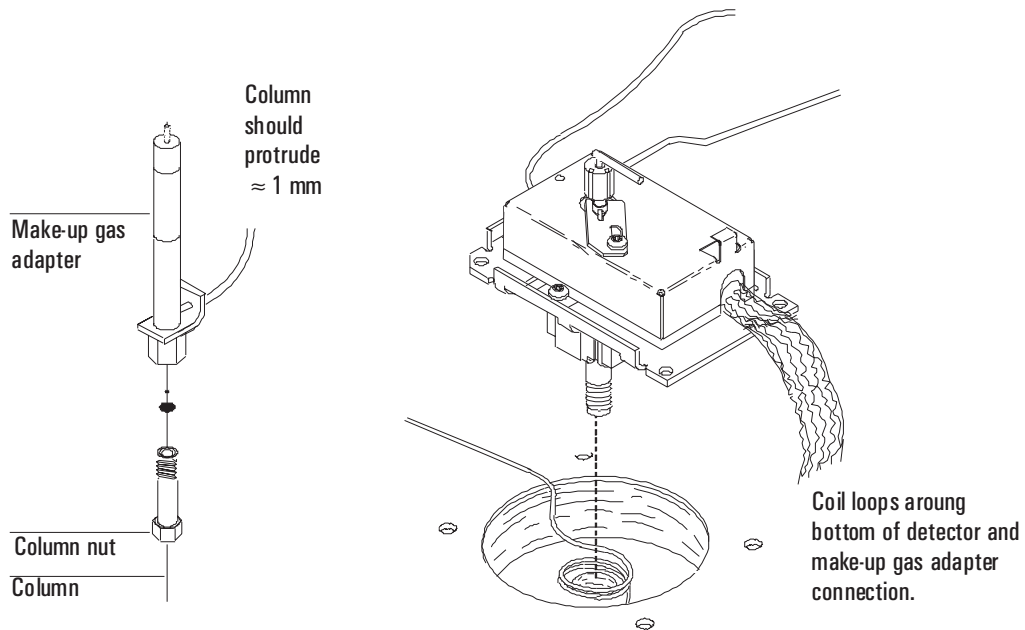


Figure 340-9 Proper configuration of the column and make-up gas tubing

- The end of the column should protrude about 1 mm from the top of the make-up gas adapter. The total dimension from the back of the column nut to the end of the column will be about 75–76 mm.