



Demo: Replace Gold Seal

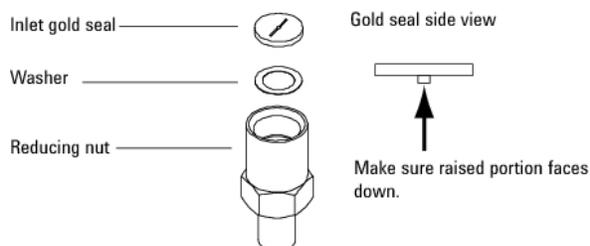
Replacing the Gold Seal: Agilent part number: 5188-5367 -- Gold-plated seal (standard application)

Enhance your system's inertness with **Certified Gold Seals**. A unique, proprietary manufacturing process gives you the most consistent, smooth and inert surface to seal the inlet and prevent leaks or sample degradation.

The gold seal is also called the "inlet base seal".

For tools, you'll need one ¼-inch and one ½-inch open-end wrench. During the procedure, avoid handling the seal with your bare hands. Oils from your skin can cause extra peaks on your chromatogram.

- 1) The gold seal is at the bottom of the inlet where the column is connected. To get to the gold seal, we must remove the liner and the column.
- 2) First remove the liner.
- 3) Using the ¼-inch wrench, remove the column from the inlet. Cap the open end to prevent air or contamination from entering the column. Also remove the insulation cup around the base of the inlet.
- 4) Loosen and remove the reducing nut.
- 5) Remove the washer and seal inside the reducing nut.
- 6) Put a new washer in the reducing nut and place the new gold seal on top of it (raised portion facing down – see diagram, below)
- 7) Replace the reducing nut and tighten securely with a wrench.
- 8) Replace the inlet liner.
- 9) Install the insulation cup and the column.
- 10) Turn on the inlet. Allow the inlet and column to purge with carrier gas for 15 minutes before heating the inlet or the column oven.
- 11) Restore the analytical method.



Tip: When you put in the new gold seal, **be sure not to overtighten the reducing nut!**

Record your maintenance in a logbook, or LabAdvisor software.

You can order your GC Maintenance Guide (Agilent publication #5989-7612EN), at www.agilent.com/chem/getguides; For immediate information, check out www.agilent.com/chem/gcsupplies.