**Demo: Replace the Split Vent Trap**

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The split vent trap should be replaced annually, at a minimum. If you are frequently analyzing dirty samples, you should replace it more often.

Before you start: load your maintenance method, allow the inlet oven to cool and depressurize the inlet.

Steps to replacing the split vent trap:

1) Remove the pneumatics cover (top, back of GC).
2) Completely loosen the 2 screws that hold down the split vent valve. Lossen the 1 screw that holds down the trap weldment.

![](image1.png)

Rotate the retaining clip out of the way.

3) The trap is inside the weldment. Try to loosen the large knurled nut of the trap weldment by turning it counterclockwise.

![](image2.png)

4) Lift the filter trap assembly and split vent valve from the mounting bracket together and unscrew the split vent front weldment on the filter trap assembly.
5) Next, open the weldment, remove the trap and 2 o-ring seals.

6) Seat the new o-rings on the new filter cartridge and insert into the weldment. Point the narrow end toward the back of the GC.

7) Start closing the weldment by threading the knurled ring onto the other side, but don’t tighten the nut yet.

8) Place the filter trap assembly in the mounting bracket and install the retaining clip.

9) Reinstall the screws of the split vent value and fully tighten the large knurled nut onto the trap.

10) Before reloading your analytical method, it is a good practice to turn on the inlet and allow the inlet and column to purge with carrier gas for 15 minutes.