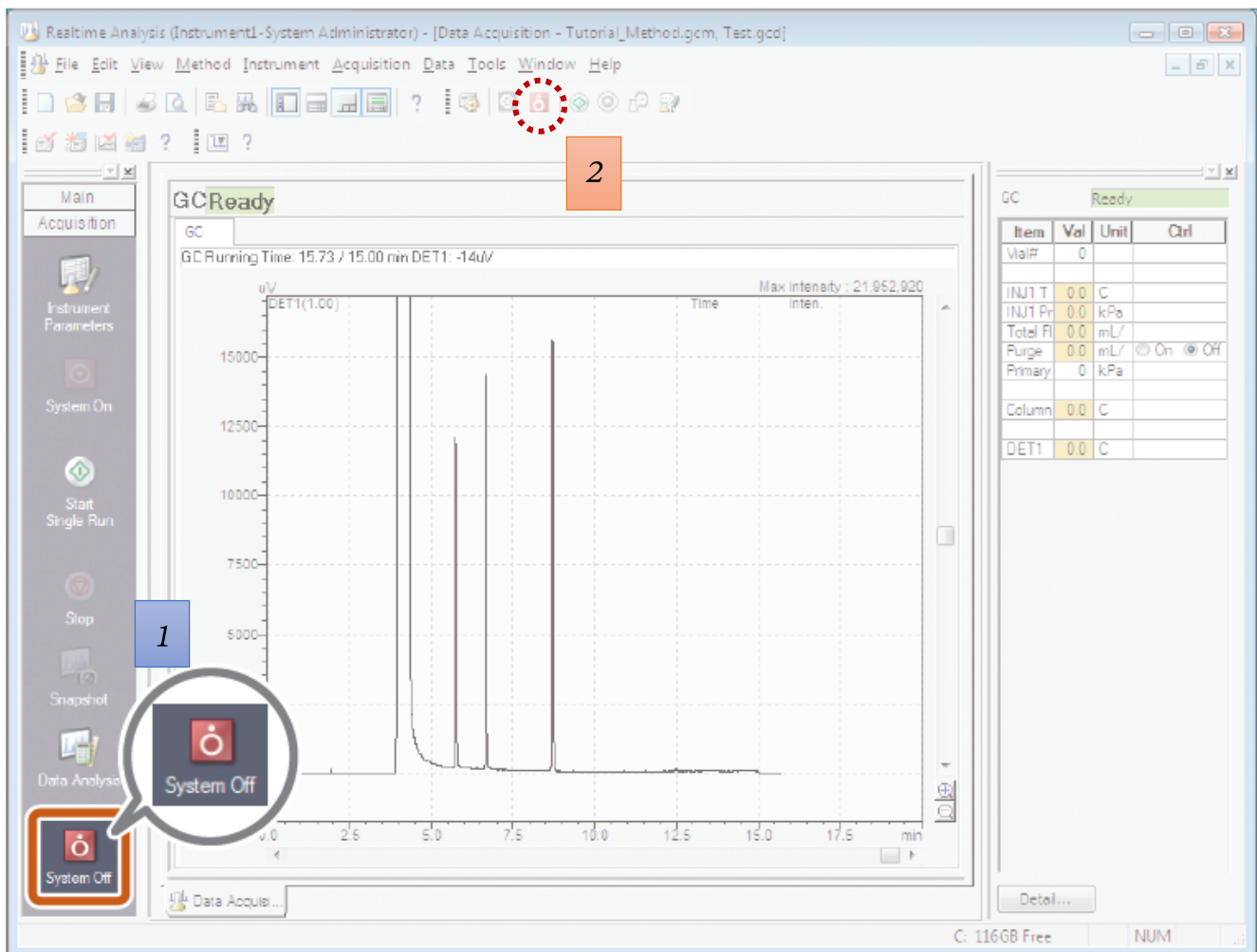


Preparing your Shimadzu Gas Chromatograph for Shutdown

Step 1: Turn GC system off (Stop the GC).

Do not turn off GC power when the system is hot. First, turn off heat control to cool down the oven and other modules. There are several ways to do this.

- a) From LabSolutions software, you can either press “System off” from Acquisition menu at the left (1) or press “System off” from tool bar on top (2).

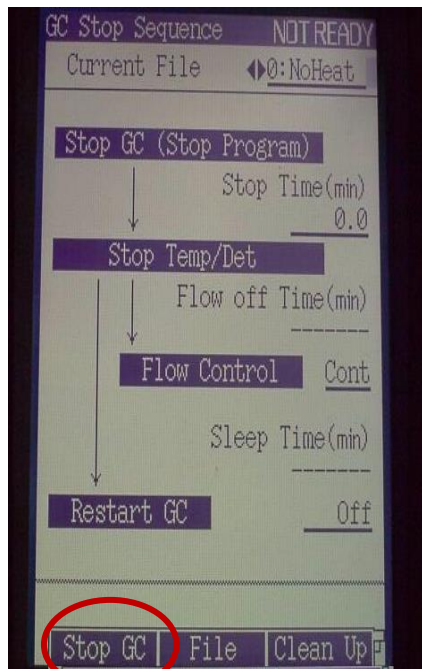



The screenshot displays the LabSolutions software interface. The main window shows a chromatogram with the text "GC Ready" and "GC Running Time: 15.73 / 15.00 min DET1: -14uV". The y-axis is labeled "uV" and ranges from 5000 to 15000. The x-axis is labeled "Time" and ranges from 0.0 to 17.5 minutes. A peak is visible at approximately 8.5 minutes. The status bar at the bottom right indicates "C: 116GB Free" and "NUM".

Two callouts are present: a blue box labeled "1" points to the "System Off" button in the left-hand menu, and an orange box labeled "2" points to the "System Off" button in the top toolbar.

Item	Val	Unit	Ctrl
Val#	0		
INJ1 T	0.0	C	
INJ1 Pr	0.0	kPa	
Total Fl	0.0	mL/	
Purge	0.0	mL/	On OFF
Primary	0	kPa	
Column	0.0	C	
DET1	0.0	C	

- b) From GC-2010/2014 front panel: Press SYSTEM (above the screen), then PF1 (below the screen) to stop.



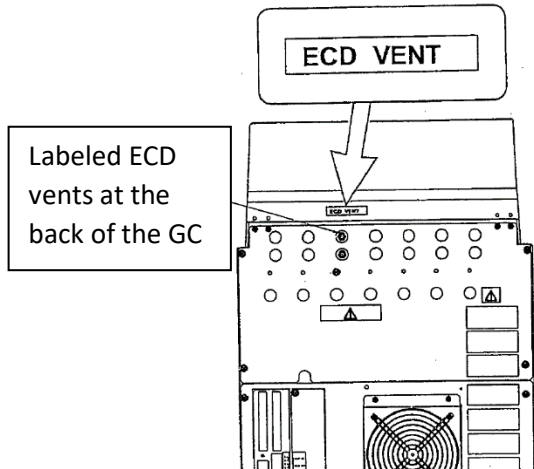
- c) From GC-2030 front panel: press the home button  then press “stop GC”.

Step 2: Wait for GC to cool

It's important to wait till the system is completely cool before turning off gas flow. Turning off carrier gas flow while the GC is still hot could damage the column and some detectors. We recommend that all temperature zones be below 50°C before the gas is turned off.

Step 3: Cap off ECD vents (Go to Step 4 for other detectors)

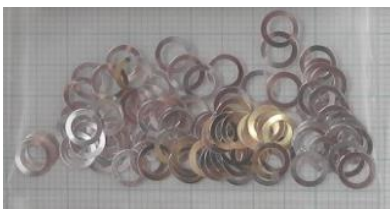
If ECD is used on the GC system, while the gas is still flowing, cap the ECD vent in the back of the GC with a G-type plug and three aluminum gaskets that come with your Shimadzu GC. This will fill the ECD cells with inert gases.



G-type plugs



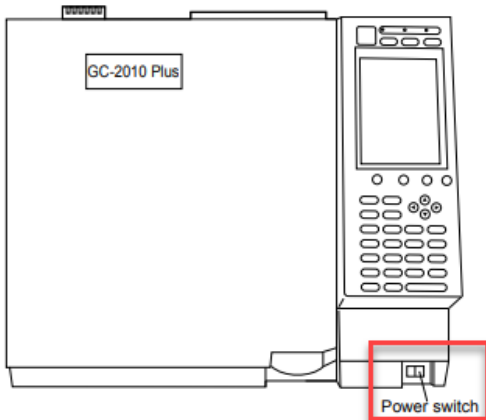
Aluminum gaskets



Step 4: Turn off GC power

When the GC is completely cooled, the GC power may be turned off. The electronic gas flow controllers will stop when the GC is powered off. Manual flow controllers must be turned off by the users (use cut-off valves or turn the regulators off). We recommend for long-term shutoff, turn the gas tanks off as well.

Power button for GC-2010 series – in front



Power button for the GC-2030/GC-2014 – on right side

