

## Installing a G2916A Sampler Tray on a 5890 Series II Gas Chromatograph

### G2916A Kit

This procedure assumes that the Gas Chromatograph (GC) is either

- A 5890A GC which has been fully upgraded to a 5890 Series II instrument (“fully” means that both electronic and mechanical upgrades have been performed; a printed circuit board-only upgrade does not qualify).
- **OR** a 5890 Series II GC which was purchased as such.

and that the G2916-61000 injector bracket has already been installed.



## Parts supplied

The kit contents are listed in Table 1.

**Table 1** Parts supplied

Part number	Description	Quantity
18596-40015	Tray quadrants, pkg of 4	1
G2614-60610	Cable, main tray	1
G2916-60000	5890 Tray module	1
0100-1501	Tee, ¼-inch hose, for quadrant temperature control	2
G2916-80510	Tray screw kit. Contains	1
	Screw with washer, M4 × 20 mm	4
5128-0714	Screw cap vials, pkg of 100	1
5182-0717	Blue screw caps, pkg of 100	1
G2916-25040	Tray post	1

## Tools required

Torx T-20 driver

## Preparing the GC

When the sample tray is installed, it blocks access to the pneumatics door on the left side panel. To maintain easy access to these components, Agilent recommends the following:

- 1 Remove the GC left side panel.
- 2 Remove the pneumatic compartment access door from the left side panel.
- 3 Reinstall the left side panel.

## Installing the tray

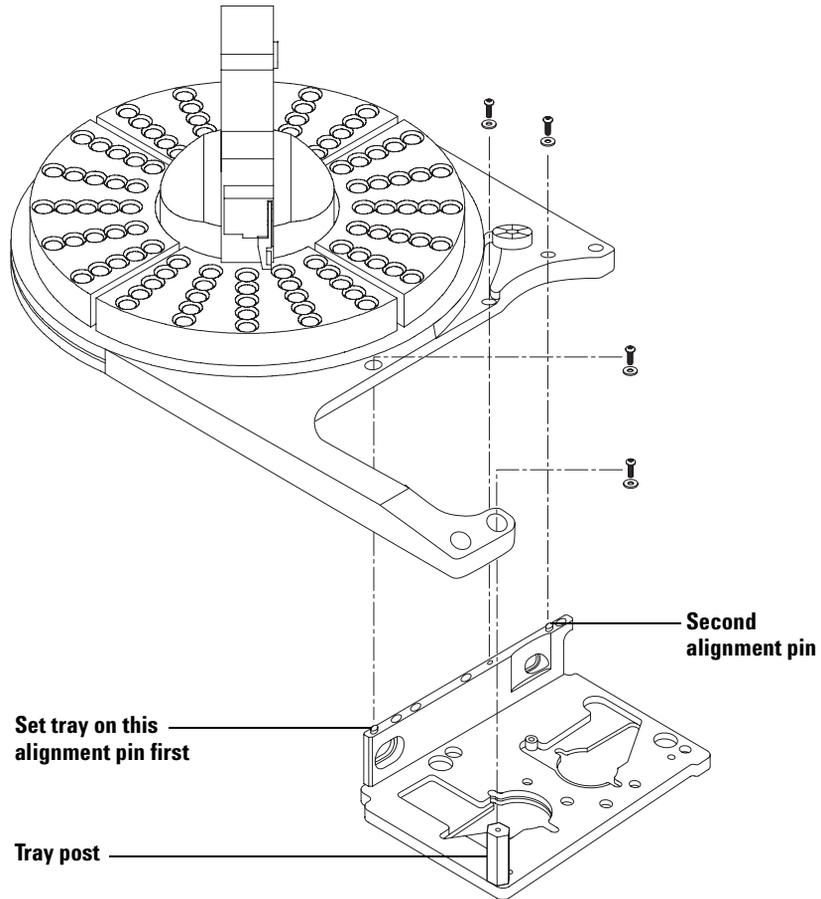
### CAUTION

Do not move or manipulate the robotic arm or gripper. Moving the arm or gripper back and forth can cause damage. If necessary, rotate the arm assembly a few degrees until there is enough clearance.

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- 1 Install the tray post in the hole in the right front corner (as you face the oven) of the injector bracket (Figure 1).
- 2 Set the tray on the injector bracket so that the frontmost pin on the injector bracket fits into the mating hole in the bottom of the tray, then align the tray to the second alignment pin on the injector bracket.

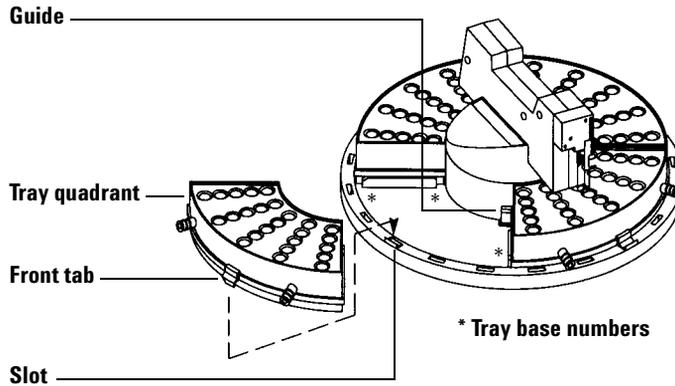
- 3** Insert four screws with washers where shown. Tighten the screws to secure the tray to the bracket.



**Figure 1** Installing the tray

- 4** Install the tray quadrants (Figure 2). Be sure to match the numbers on the quadrants with the tray base numbers.

- 5 Slide the leading edge of each quadrant under the guides on the tray, then snap the front tab into the slot on the tray.



**Figure 2** Install the tray quadrants

- 6 Connect the tray cable from the back of the tray (near the drain fitting) to the **Tray** connector on the back of the G2912A Controller.



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G2916-90000

First edition, July 2004

Printed in USA

Agilent Technologies, Inc.  
2850 Centerville Road  
Wilmington, DE 19808-1610 USA

## CAUTION

A **CAUTION** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a **CAUTION** notice until the indicated conditions are fully understood and met.

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