

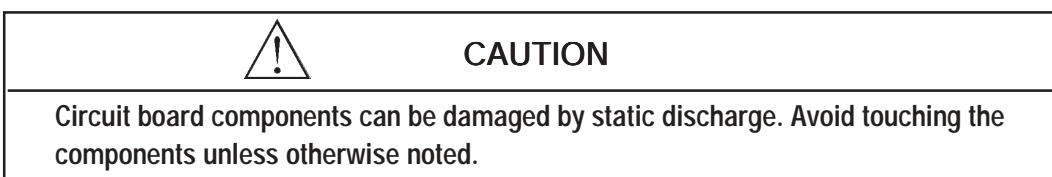
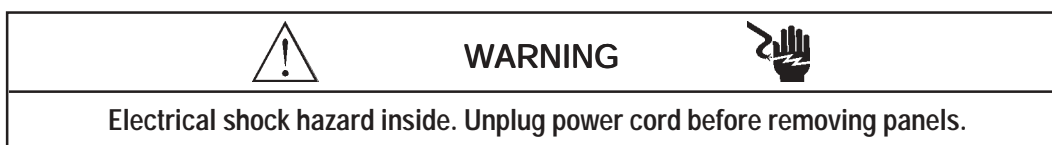
Installation Instructions

Interface Cable Part Number 14-3052-000 or Interface Kit Part Number 14-2966-000

Interfacing a Tekmar™ 2000/7000/3000/6000/Velocity XPT to a Varian Vista Series GC,
Operating with a Varian Vista 401 or 402 Data System

This interface allows the Tekmar unit(s) to operate automatically with the Varian Vista Series gas chromatograph (GC) and data system. It allows the GC to send a READY signal to the Tekmar unit(s). Also, it enables the Tekmar unit(s) to start the GC and data system upon sample transfer or injection.

For the interface to work properly, the switches on the 2000/7000 input/output (I/O) board need to be set as shown in the diagram included with these instructions. You do **not** need to set switches for the 3000, 6000, or Velocity XPT; you set up the interface through software. See the following instructions for your particular unit.



Connection to the LSC 2000

1. To access and set the switches:
 - a. Locate the input/output (I/O) board. It has two connectors extending out of its bracket, which can be accessed at the rear of the LSC 2000. (See the photograph in Section 12 of your Purge and Trap Concentrator User Manual.)
 - b. Loosen the two screws that hold the I/O board and slide it out until you see the switches labeled "U012" and "U013".
 - c. Set the switches according to the diagram included with these instructions. (The switches are in the OPEN position when they are pressed **down** at the "OPEN" label.)
 - d. Return the I/O board to its original place, being careful to properly seat it into its connector.
2. Plug the cable (P/N 14-3052-000) into the I/O board.

Connection to the 7000

1. To access and set the switches:
 - a. Loosen the two 1/4-turn fasteners on the lower left side panel.
 - b. To remove the panel, pull it **away** from the unit to release the retaining clips from the posts in the chassis, then toward the **front** of the unit to release it from the locating pins (on the rear of the unit).
 - c. There are three sets of four DIP switches on the edge of the board. They are labeled BIAS, OUTPUT and INPUT. Set the switches according to the diagram included with these instructions. (Flip the switches up to put them in the OPEN position.)

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Connection to the 7000 (continued)

- d. Reinstall the left side panel by pressing it back onto the locating pins and inserting the retaining clips into the posts in the chassis.
- e. Secure the panel with the two 1/4-turn fasteners.
2. The I/O board has two connectors extending out of its bracket, which can be accessed at the rear of the 7000. Plug the cable (P/N 14-3052-000) into the I/O board.

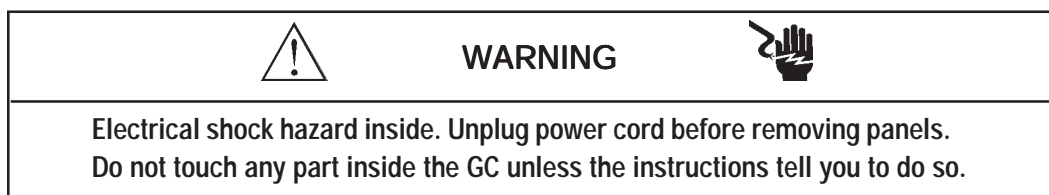
Connection to the 3000, 6000, Velocity XPT

1. Turn off the Tekmar unit.
2. Locate the interface board in the Tekmar unit. The board has two connectors extending out of its bracket. These connectors can be accessed at the rear of the Tekmar unit.
3. Plug the cable (P/N 14-3052-000) into the interface board.

Specifying the GC Port (3000,6000, Velocity XPT only)

1. Turn on the Tekmar unit.
2. At the System Error/System Reset Screen, press the ENTER key.
3. Allow the system to run through the automatic self-test.
4. At the Standby Screen, press the CONF key. The Configuration Screen appears on the display.
5. At the Configuration Screen, press A (GC I/O Port). The GC Port Screen appears on the display.
6. Choose the GC Port. You have two choices: *Standard* or *User*. Choose **Standard**. Press any numeric key to cause the display to toggle from one choice to another. Press ENTER to save your selection.
7. Turn off the Tekmar unit.

Connection to the GC



1. Open the upper electronics cover.
2. Remove the high voltage cover on the right side of the electronics bay.
3. Locate the probe amplifier board. It is underneath the cover that you removed in Step 2. It is on the extreme left side of the electronics bay.
4. Locate the connector, J83. It is on the bottom right rear edge of the probe amplifier board.
5. A flat (ribbon) cable plugs into connector J83. **Carefully** disconnect the ribbon cable from connector J83.
6. Remove the probe amplifier board from its socket. (Other cables are attached to the board, but there is enough slack to remove the board from its socket.)
7. Connect the ribbon cable connector from the input/output (I/O) box to connector J83, making sure that the notched edge of the plug matches the notched edge of the connector.
8. Reinstall the probe amplifier board.

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Connection to the GC (continued)

9. **Carefully** plug the original cable into the back of the new ribbon cable connector. Make sure that the red stripe is on top.
10. Replace the high voltage cover.
11. Lower the upper lid.

Connection to the Input/Output (I/O) Box

1. Plug the cable(s) into the connector(s) on the I/O box. Plug each cable into either connector A or B; it does not matter which one you choose.



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