



CANNON[®] APPLICATION NOTE #0750301

CAUTION: The procedures described herein are to be performed only by qualified personnel.

ISSUE: PCI Board Installation

DATE: 05/30/2007

Applicable instrument(s): Multiple

ASTM ref. N/A

This Application Note provides general guidelines for installation of a serial PCI board in your computer. For additional information pertaining to your computer model, consult your computer documentation.

Tools required

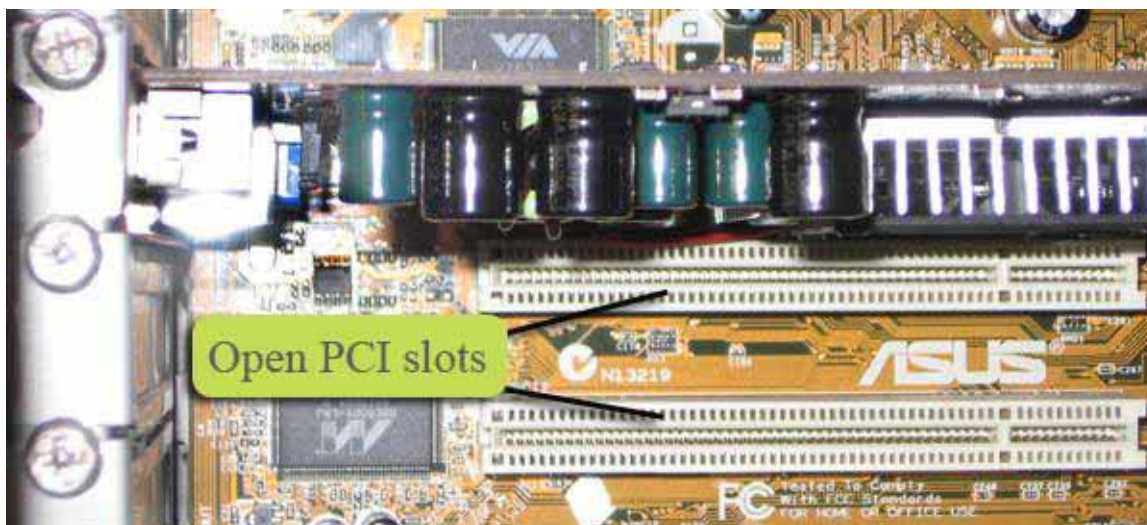
Phillips screwdriver • Anti-static wrist strap

PCI board installation procedure

To install a PCI board in your computer, follow the steps below. If you have been previously using a USB-Serial converter, do not unplug the converter until indicated (see page 3).

NOTE Check any documentation and software release notes provided by the PCI board manufacturer for any additional installation instructions.

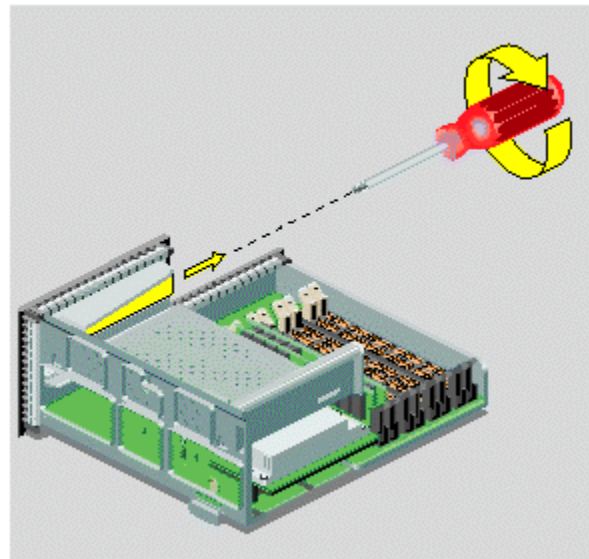
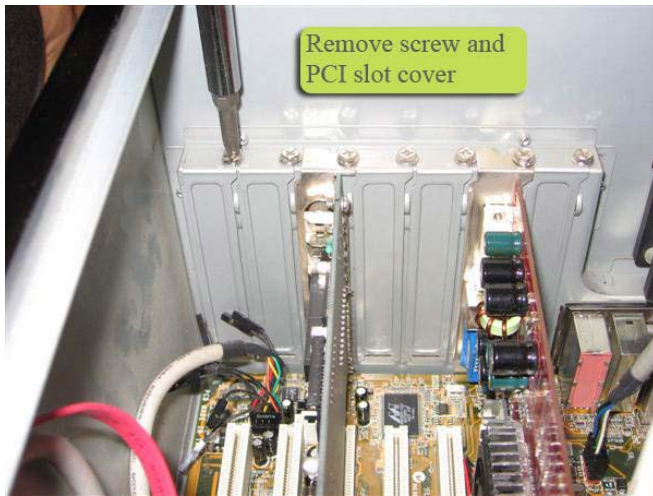
1. If you have not already done so, shut down your computer and unplug the power cable.
2. Obtain access the PC internal components per your computer documentation. This may involve removal of a side panel.
3. Locate an open PCI slot inside your computer (see photo) and remove the screw and adjacent filler panel from the PCI tray (see diagram, next page). Keep the filler panel. If you later remove the PCI board and do not replace it, you should reinstall the filler panel and screw.



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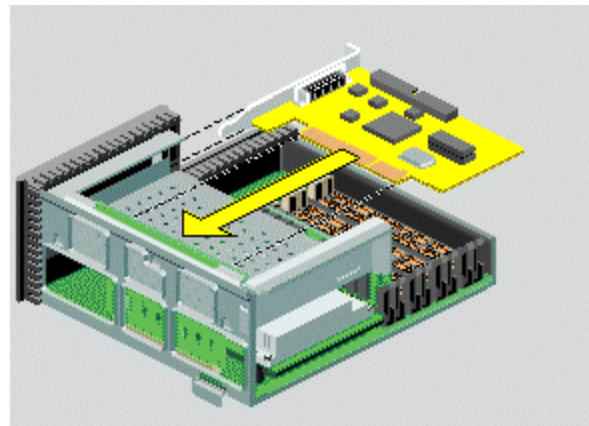
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Removing filler panel from rear of PC

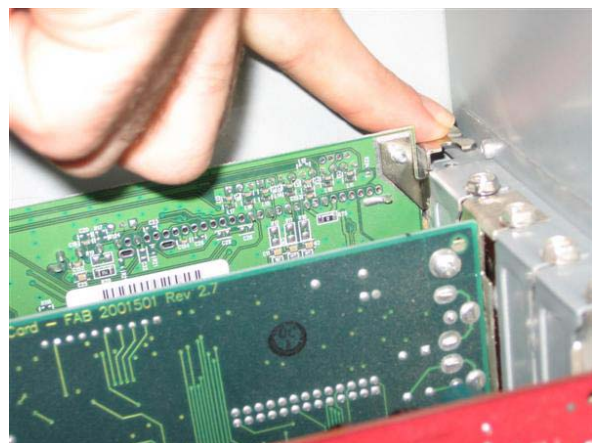
4. Remove the serial PCI board from its anti-static wrapping. Use an anti-static device and make certain you are grounded when handling the board. Hold the board by the metal bracket and the edges. Do not touch board components. Install the PCI board in the computer by aligning the board PCI connector with the PCI slot on the motherboard (the serial connector will fit through the opening in the rear of the computer). Push the PCI connector firmly into the PCI slot. Make sure the board is firmly and completely seated (see photo, bottom). You may need to use some pressure to seat it all the way.



Installing the serial board in the PCI slot

6. Insert and tighten the screw previously removed to secure the PCI board to the computer rear panel.
7. Reassemble the computer, plug your power cable back in, and turn the computer back on.

When the computer reboots it should automatically detect the new serial hardware and run the hardware installation wizard. The driver for the new hardware is provided on a CD-ROM included with the PCI board. Place this CD in the computer CD drive and choose “specify other location” when the wizard asks where you driver is located. Specify the CD-ROM, and follow the remainder of the wizard prompts to complete the installation. Administrator rights to the computer may be required.



Preparing to secure the board with screw previously removed from filler panel

Switching port numbers to correspond to the previous (USB) port

If you have been using VISCPRO with a USB to serial converter, and you wish to associate archived data collected from the instrument using that converter with the instrument using the new PCI card, you must complete the procedure below as soon as you have installed the PCI card.

1. Open the Windows Control Panel.
2. Open the System dialog (window).
3. Choose the Hardware tab.
4. Open the Device Manager.
5. Observe the **port number** that is assigned to the USB to serial converter. Write down the number.
6. Unplug the serial converter.
7. Using the device manager, right click the PCI serial port and choose **Properties**.
8. Under the **Port Settings** tab, click the **Advanced** button.
9. Change the **Com Port** number of the PCI serial port to match the number you wrote down (the one previously associated with the USB to serial converter). You may see a warning that the Com Port number you wish to change to is “in use”. This is no longer true; it is permissible to switch to this Com Port number.
10. Click the **OK** button to finish the procedure.

