



To update the PPC1 from a software version prior to Ver. 3.00, a hardware change is also required. Although the change only involves changing the settings on a jumper block, the PPC1 must be disassembled to gain access to the hardware. The following procedure should be adequate to install the new software successfully.

IMPORTANT: If the current software version is 3.00 or newer: A shortcut method may be used. See **Shortcut Method** at the end of this instruction sheet.

- ❶ The top and bottom panels need to be removed to get access to the microprocessor board. Remove the panels by removing the four screws that secure each panel.
 - The screws that secure the bottom panel are located under the adjustable feet. These flaps need to be pried up to get access to the screws.
 - The screws that secure the top panel are located under the same type of flaps as the top panel and can be accessed in the same way.

❷ **If the PPC1 is equipped with an IEEE Interface:** Proceed as follows:

- The IEEE Interface is mounted on the bottom panel and connected to the PPC1 via two ribbon cables and a power connector.
- After removing the four mounting screws and prior to removing the bottom panel away from the PPC1, disconnect the two ribbon cables and power connector.

IMPORTANT: Carefully note the correct position of the connectors to avoid installing them backwards during reassembly.

- ❸ The front panel assembly and microprocessor card need to be removed from the system. The pneumatic and electrical connections that attach to the front panel need to be disconnected (i.e., pneumatic connection on the back of the gauge and four electrical connections). Next, remove the four screws that attach the front panel to the side walls. The front panel assembly and microprocessor card should now slide out of the system.
- ❹ The unit is now ready for the installation of the operating software.
 - The EPROMs are labeled **U9 xxxxxx** and **U11xxxxxx**.
 - U9xxxxxx must be placed into the U9 socket of the microprocessor card and U11xxxxxx must be placed into the U11 socket. The jumper setting on the W4 jumper block need to be set to reflect the operating range on the PPC1 (i.e., the model of the PPC1).

Table 1 describes the proper settings:

Table 1. Jumper Settings

MODEL	JUMPERS (W4)
PPC1-0030	none
PPC1-0100	15-16
PPC1-0250	13-14
PPC1-0500	13-14, 15-16*
PPC1-1000	11-12

* 15-16 represent placing a jumper between terminal 15 and 16.

- The only jumpers required on W4 are those specified above. All others need to be removed.
 - **WARNING:** Do NOT modify any other jumper block settings. Jumper modification should only be performed on W4.
- ⑤ The PPC1 can now be reassembled. **IMPORTANT:** Make sure that all electrical connections are installed properly and that the microprocessor is plugged securely into the front panel assembly.

PPC1 is a trademark, registered and otherwise, of DH Instruments, Inc.