

Replacing the Personality Card

This procedure outlines the steps necessary to replace the personality card in the ACQUITY PDA Detector^a. As part of this procedure, you will remove the CPU 2000 PCB from the existing personality card and fasten it to the replacement personality card. The CPU 2000/ personality card receives inputs from and provides control to all subassemblies of the PDA via eight cables.

NOTE: Except where noted, the term “ACQUITY PDA Detector” refers to two detectors:

- ACQUITY UPLC Photodiode Array (PDA) Detector
- ACQUITY UPLC PDA Extended Wavelength (e λ , or eLambda) Detector

Parts Required

Table 1: Parts Required

Part Number	Description	Quantity
700003761	Personality Card Kit	1

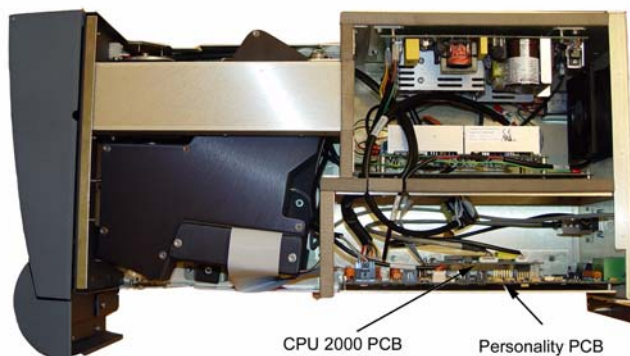


Figure 1 - Location of Personality Card

NOTE: Some of the illustrations show only one type of PDA detector. However, the physical differences between the PDA detector and PDA e λ detector are insignificant for this procedure.

Tools/Materials Required

- Flat-head screwdriver
- 9/32” nut driver
- Small Phillips screwdriver

Procedure

1. Shut off power to the unit.
2. Remove the filler panel by removing two T20 Torx screws on the rear of the chassis and sliding the filler panel off of the two pins.

^a. To be certain you have the latest version of this procedure, please visit the Waters Support Center at Waters.com.

3. Remove the detector's cover by removing two T20 Torx screws on each side of the unit.
4. Remove all cabling going to the CPU 2000/personality card. Note the cable connector orientations as you remove them.
5. Remove two IEEE-488 connector jackscrews on the rear of the detector using the 9/32" nut driver.

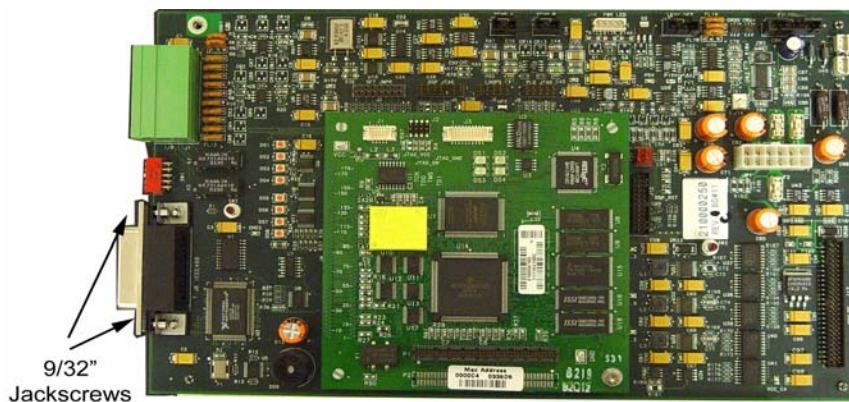


Figure 2 - Location of Jackscrews



Figure 3 - Location of CPU 2000/Personality Card Bracket Assembly Screws

6. Remove three flat-head Phillips screws securing the front of the CPU 2000/personality card assembly bracket to the front of the detector's chassis.
7. Remove four flat-head Phillips screws securing the rear of the CPU 2000/personality card assembly bracket to the rear of the detector's chassis.
8. Remove four T-10 Torx screws securing the CPU 2000 PCB to the personality card.
9. Install the existing CPU 2000 PCB onto the new personality card.

10. Reinstall the CPU 2000/personality card assembly onto its bracket.
11. Slide the CPU 2000/personality card assembly into position and tighten the seven flat-head Phillips screws to secure it to the chassis.
12. Reconnect all cables.
13. Check for proper operation of the detector before reinstalling the cover and filler panel.