

2B Technologies, Inc.

An InDevR Company

Technical Note No. 020

Replacing Firmware on Flash Writer PCB

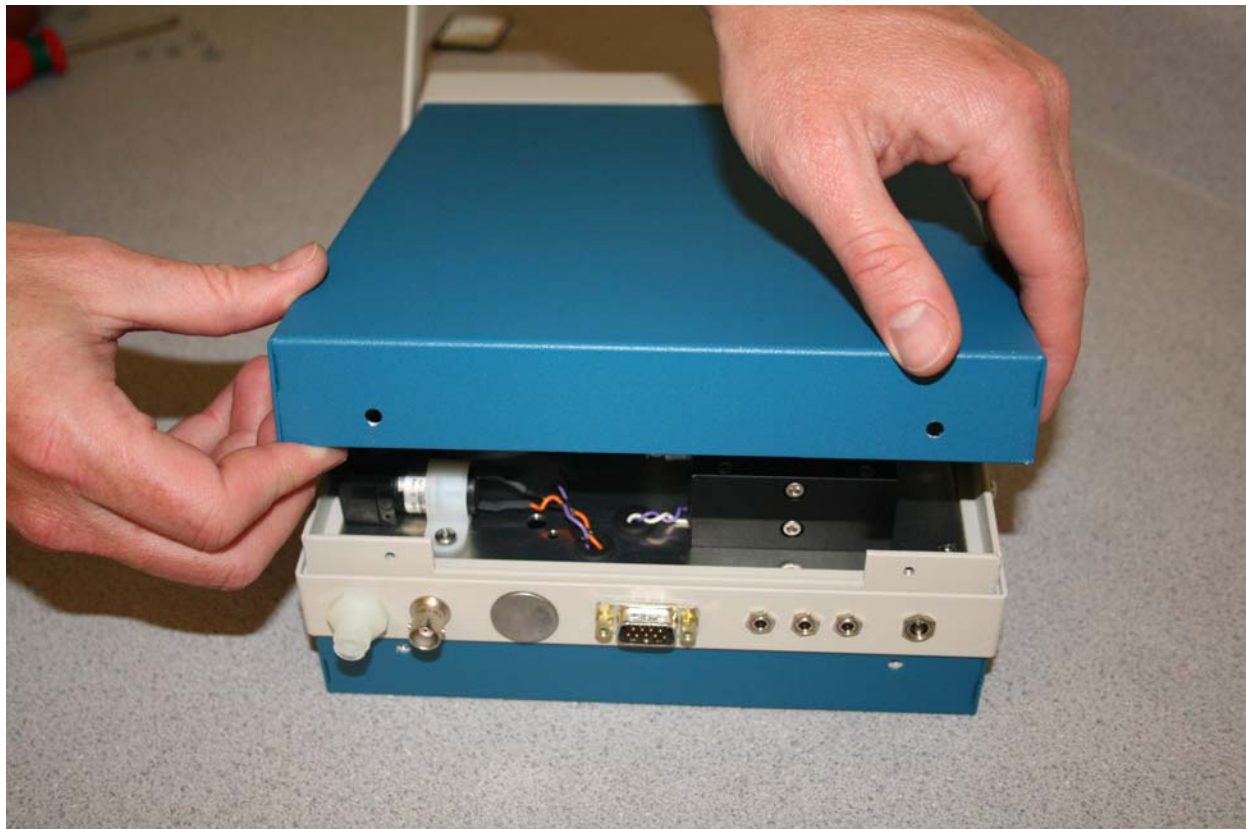
Date: 1 October 2008

Author: Craig Williford

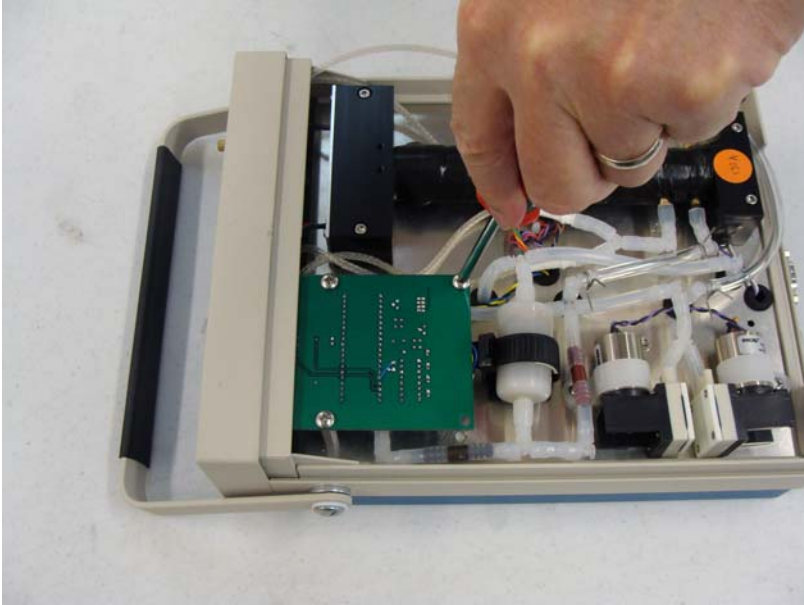
Purpose:

To upgrade or change the firmware on 2B Technologies Flash Writer pcb's the operator must remove the microcontroller and replace with the other microcontroller provided by 2B. The procedure is as follows:

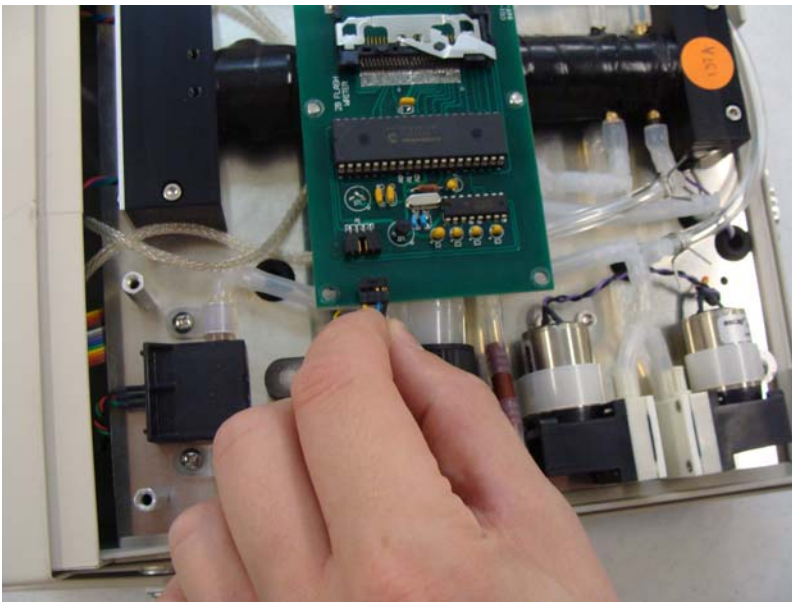
1. Remove bottom cover of instrument by first removing two screws on rear of instrument and then lifting bottom cover up and out.



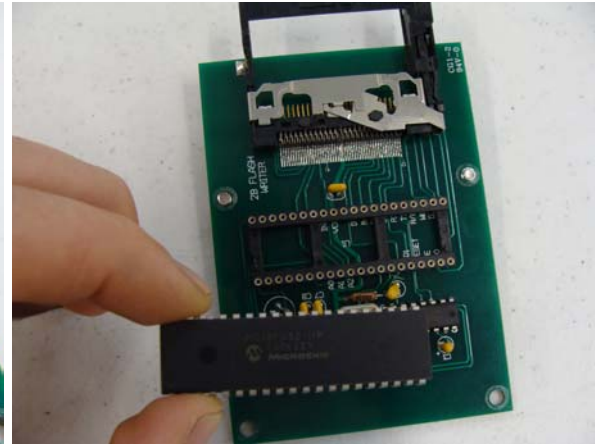
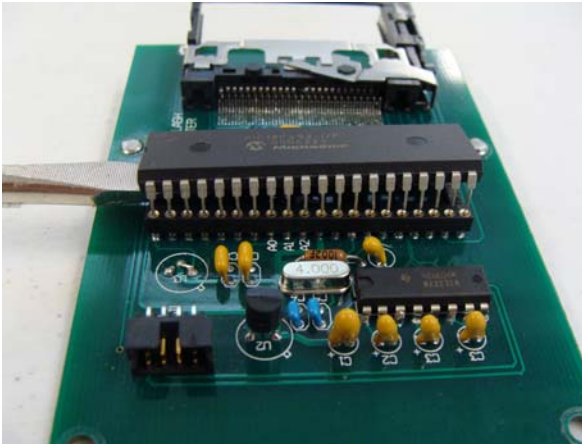
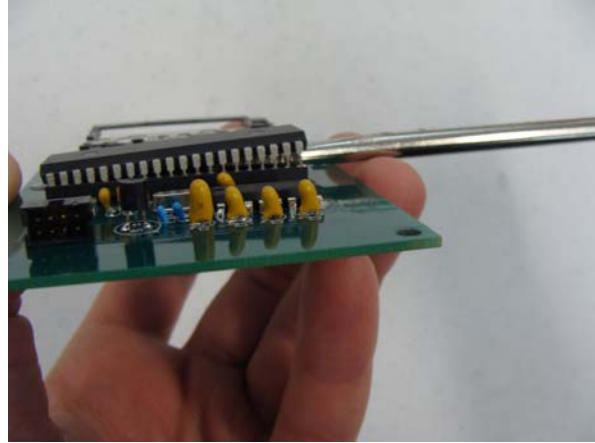
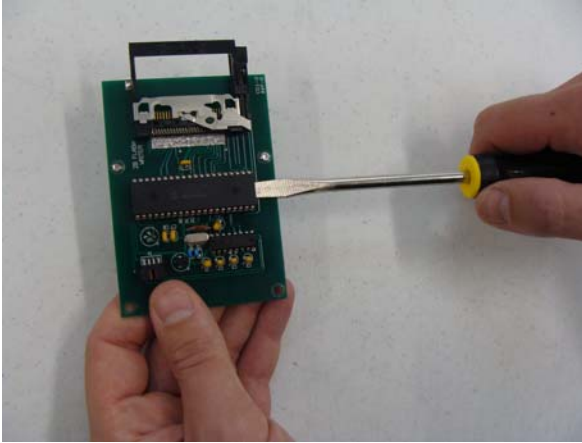
2. Locate the small green PCB and remove mounting screws with Phillips head screwdriver.



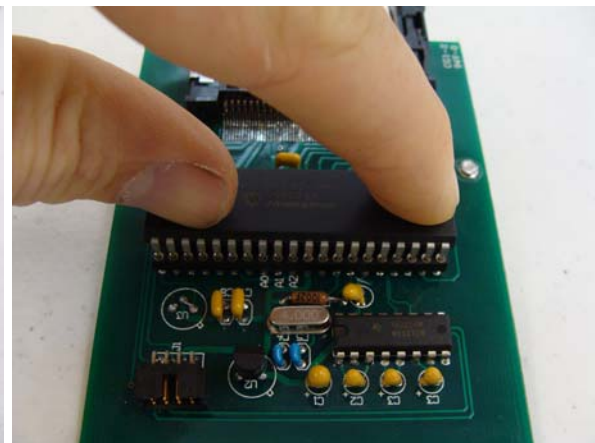
3. Remove wire harness from flash writer as shown.

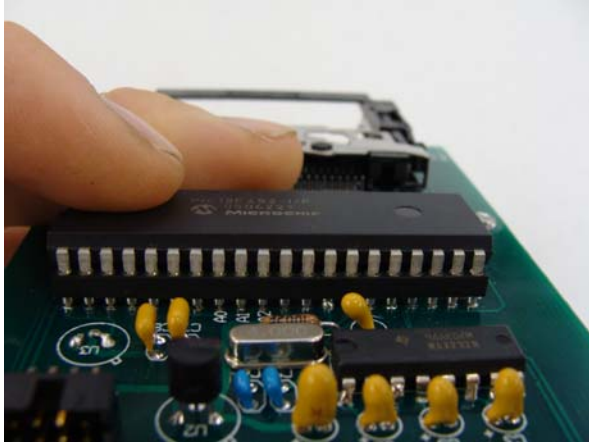


4. Use a flat head screwdriver or a chip puller to carefully remove the large IC.

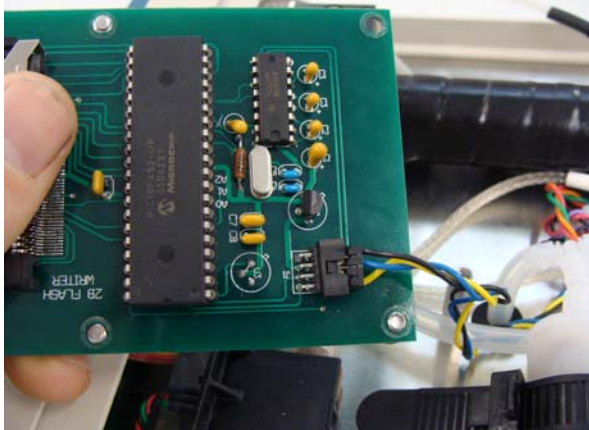


5. When inserting new chip, make sure the chip is facing the correct direction. (Failure to do this may cause damage to the circuitry on the board) Looking carefully at the new microcontroller, you will notice a small “U” shape indentation at one end of the chip. This “U” will go on the same end as the “U” indentation on the socket for the chip. Install new microprocessor being careful not to bend pins. Press down on chip until it sits without gaps between it and the socket.





6. Insert wire harness into “J1” as shown.



7. Mount Flash Writer on mounting posts and replace screws.

8. Replace cover and screws and power instrument.

9. Done!!