

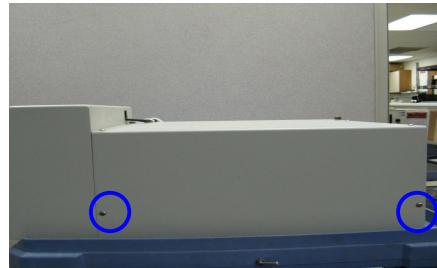
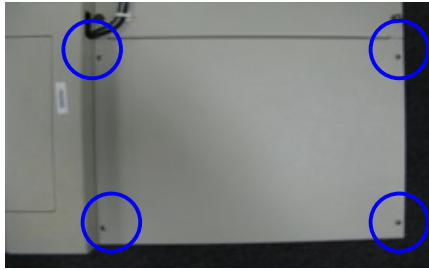
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## **Replacing the M6100 Timing Board**

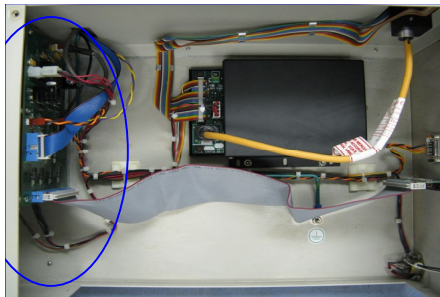
1. First ensure the software is closed and the power to the system has been disconnected.
2. Remove the autosampler from on top of the unit and set aside.

**Note: If it's necessary to disconnect the cabling from the autosampler, label and/or make note of the connections.**

3. Remove the four screws on the top cover and the two on the right side to gain access to the electronics.

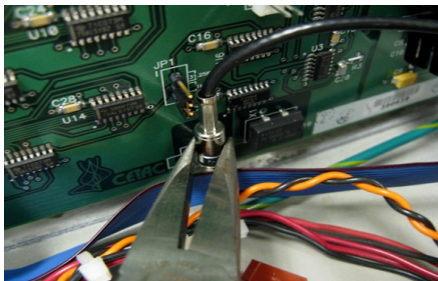


**Note: The timing board is the main board in the unit. It is mounted on a plate towards the inside front of the enclosure(extreme left in photo).**

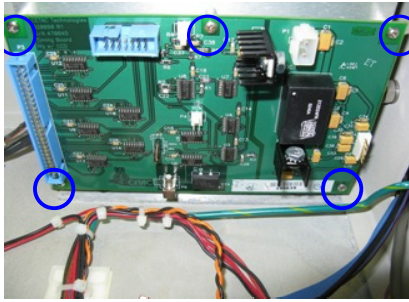


4. Label or make note of the connections on the board. Carefully remove the cables from the board.

**Note: The black, single cable is especially difficult to detach. Small needle-nosed pliers may be needed to remove the cable, however use with extreme care.**



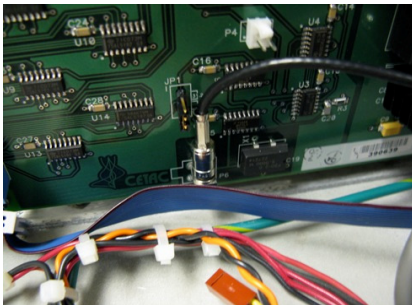
5. Remove the five screws holding the board to the mounting plate(three across the top, two on the bottom corners).



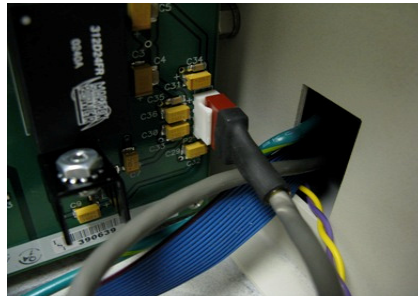
6. Replace the defective board with the new one and mount using the five screws.

7. Carefully reconnect the cables to the new board.

A. Reconnect the coax cable.



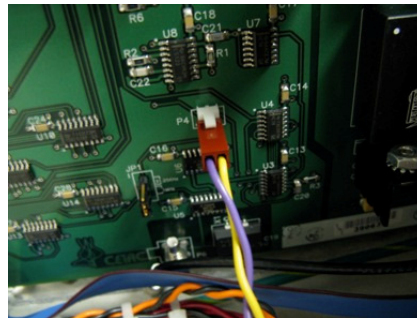
B. The gray, five conductor cable.



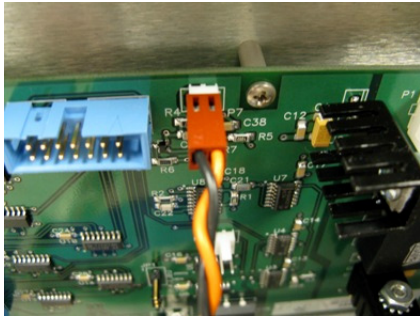
C. The red and black power cable.



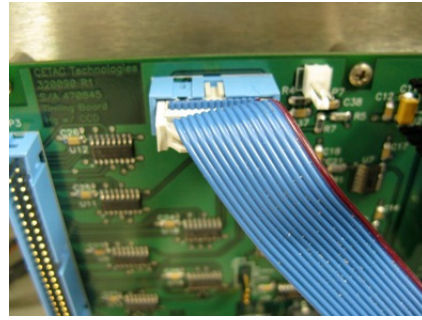
D. The two conductor purple/black cable.



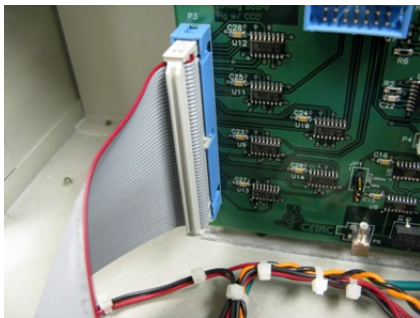
E. The two conductor orange and black.



F. The small, blue ribbon cable.



G. And finally the large, gray ribbon cable.



8. Double check connections and test by applying power and going into the software before closing the case. Operate normally.