

PROCEDURE FOR REPLACEMENT OF OL 754-C CONTROLLER MEMORY BATTERY

Note: Care must be taken to avoid electrostatic discharge to the OL 754-C Controller of components that are removed during the process. For orientation purposes, all references to locations are based on the OL 754-C carrying handle facing the technician.

Access to the battery on the motherboard PCB is gained by removing the main controller PCB mounted above the motherboard PCB.

- 1 Disconnect all cables attached to the OL 754-C Controller.
- 2 Remove the (10) screws which secure the top cover, then remove the cover.
- 3 Remove the right side chassis side-wall by removing the (4) screws securing it from the right side, and the (2) screws securing it from the bottom.
- 4 Remove the (6) threaded stand-offs from the rear panel connectors marked "OL 754 Monochomator", COM2/AUX", and "COM1/RS-232".
- 5 Remove the following connectors from OL 754-C internal PCB, all connectors are located on the top of this PCB and are easily identified:
 - J13 (Located near "OL 754 Monochromator" connector).
 - J1, J2, and J3 (Located near PCB fuses).
 - J4 and J5 (Located in rear left corner on the PCB).
 - J15 (Two securing screws must be removed to disconnect this connector).
- 6 Remove fuse F2 to gain access to the screw below, then remove this securing screw and the (5) remaining screws which secure the PCB in place.
- 7 Lift slightly on the front of the PCB and pull forward to gain clearance of the connectors and rear wall. Reach under the PCB from the right side and disconnect the card-edge connector attached to the motherboard below.
- 8 Fully remove the PCB from the chassis and set it aside.
- 9 Locate the motherboard BIOS battery installed on the left rear corner of the PCB. The battery type used is a 3 volt lithium battery, type CR2032 (also known as DL2032, BR2032, KL2032, L2032, ECR2032, 5004LC, KCR2032, E-CR2032, & KECR2032).
- 10 Install the replacement battery, ensuring good contact with the PCB battery terminals.
- 11 Re-assemble the chassis and test for proper operation. When power is initially supplied to the system, after approximately 10 seconds the red LED marked "MON" on the rear of the OL 754-C will begin flashing at approximately 1Hz, indicating successful initialization of the OL 754-C Controller.

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As part of our policy of continuous product improvement, we reserve the right to change specifications at any time.