

M7500 LAMP MANAGER REPLACEMENT- Replacement of the mercury lamp manager.

WARNING

To avoid electrocution or eye damage from the UV light source ensure the M-7500 is powered down with the power cord disconnected prior to removal of the electrical cabinet cover.

Note: It is important to know the approximate lamp current being delivered to the lamp prior to the replacement of the lamp manager. The lamp current can be found in the hardware controls screen for the instrument. Clicking on the *Status* button under Lamp will display this reading in milliamps(mA). **This reading should be logged periodically to track the life of the lamp.**

1. Remove the M-7500 cover screws to expose the systems internal components.
2. Disconnect the end of the lamp lead from the lamp manager(**black box**, picture **A**).



3. Some lamp leads have a “catch” which must be released to disconnect the lead(center of picture **B**), some do not.



4. Carefully remove the ribbon cable and the power cable adjacent to the lamp connector.
5. Remove the four nuts holding the lamp manager to the chassis.

6. Replace the faulty lamp manager with the new one. Do not attach to the chassis yet.
7. Connect the power cable, ribbon cable, and lamp to the new lamp manager.
8. Reconnect the power cable to the instrument and turn on the power. Allow the system to warm-up for a few minutes.
9. Rotate the **Lamp intensity** potentiometer (left potentiometer, picture **C**) fully Clock-wise until a faint clicking sound is heard.



10. Rotate the **Lamp intensity** potentiometer counter Clock-wise until a faint clicking sound is heard. Both of the LED lights on the lamp manager will be out at this time and the lamp manager potentiometer is now ready for the final adjustment.
11. If using a new lamp rotate the potentiometer slowly until it reads approximately 7 milliamps(mA). If using the same lamp, adjust the lamp manager to the approximate milliamps the lamp was running prior to replacing the manager.
12. You have completed the replacement and adjustment of the M-7500 lamp manager. Attach the lamp manager to the chassis with the four nuts. Reassemble the system covers and cables and begin normal system operation.