



06-001

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INSTRUCTIONS FOR INSTALLING 43mA UV LAMP DRIVER BOARD

I. PURPOSE:

To provide guidance for the proper and safe installation of the 43ma UV Lamp Board

II. TOOLS:

Phillips head screwdriver

Flat head screwdriver

III. PARTS:

055120100 43ma UV Lamp Driver Board



IV. PROCEDURE:

1. Turn off the analyzer and unplug it from the line supply.
2. Insure that all ESD procedures have been followed and that the analyzer is in an ESD safe work station.
3. Remove the cover from the analyzer.
4. Locate the UV lamp driver board on the inner edge of the RCELL.
5. Remove J1 and J2 from the existing UV lamp driver board.
6. Carefully unsnap the existing UV lamp driver board from the existing mounting bracket, observing all ESD handling procedures.
7. Insure that the grounding strap assembly goes from the mounting screw to the spade lug on the mounting bracket.
8. Remove the 43ma UV lamp driver board from its ESD protective bag, and snap the 43ma UV lamp board in the place of the old lamp board observing all ESD handling procedures.
9. Place the old UV lamp driver board in the empty ESD protective bag, and return it to TAPI under the given RMA number.
10. Reconnect J1 and J2 to the new UV lamp board.
11. Reconnect the line supply to the analyzer, and then turn on the analyzer.
12. Let the analyzer's power supplies come up and stabilize for at least 5 minutes.

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13. Set the analyzer to display the **UV LAMP** on the front panel **TEST** menu.
14. Adjust the UV reference detector potentiometer for the minimum value on the front panel.
15. Peak the UV lamp by loosening the brass thumbscrew and slowly rotating or moving vertically up and down the UV lamp until the UV LAMP mV is maximum or 3500mV, which ever comes first. **DO NOT move the UV lamp by its cap. Always turn the main body of the lamp.**
16. Finger tighten the thumbscrew. **DO NOT over-tighten the thumbscrew.**
17. Adjust the UV reference detector potentiometer for a reading of 3500mv displayed on the UV LAMP on the front panel TEST menu.
18. Replace the cover of the analyzer.
19. Return the analyzer to normal service.

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