



Removal

1. Remove Enclosure Assembly (RR-1.3).
2. Raise Display to upright position (RR-8.1.1).
3. Remove Protective Wire Cover (RR-2.7).
4. Disconnect Ground Cable from MEIA Optics Assembly.
5. Disconnect Lamp High Voltage Cable from the Lamp Power Supply.
6. Disconnect high voltage coax cable from MEIA Optics:
 - a. Loosen coax cable bracket mounting screw.
 - b. Slide bracket down.
 - c. Disconnect cable.

7. Disconnect Ribbon Cable from MEIA Optics Board (P6).
8. Disconnect Ground Cable. Disconnect Ground Cable from chassis.
9. Remove MEIA Optics Assembly:
 - a. Remove 3 mounting screws.
 - b. Remove MEIA Optics Assembly.

Replacement

1. Install MEIA Optics Assembly:
 - a. Place MEIA Optics Assembly over guide pins.
 - b. Secure with 3 mounting screws.
2. Connect Ribbon Cable to MEIA Optics Board (J6).
3. Connect Ground Cable.

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Replacement (cont)

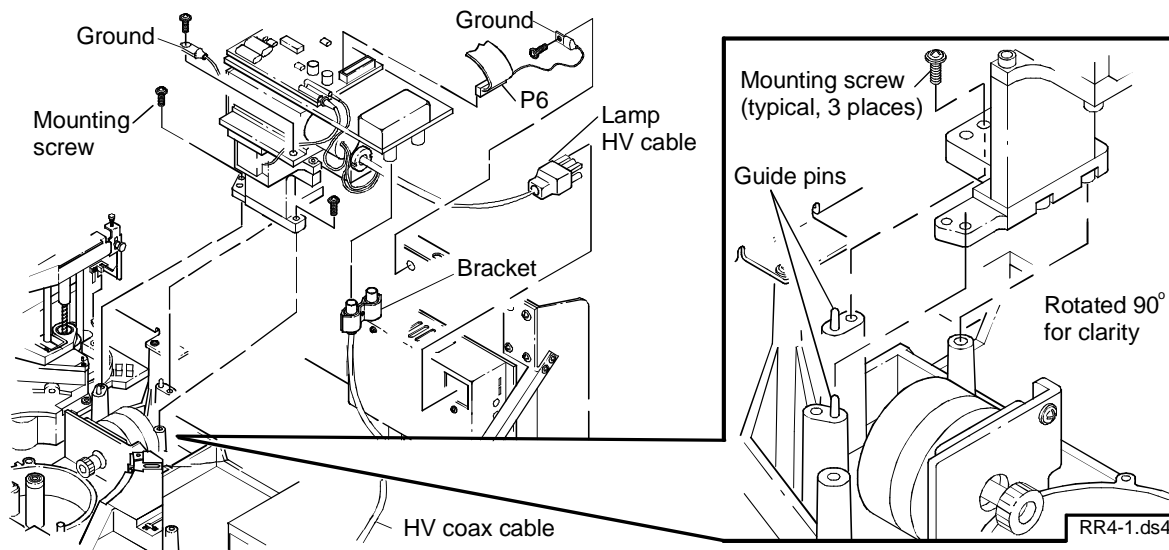
4. Connect high voltage coax cable to MEIA Optics:
 - a. Connect cable.
 - b. Slide bracket up into position.
 - c. Tighten bracket mounting screw.
5. Connect Lamp high voltage cable to Lamp Power Supply.
6. Connect Ground Cable to MEIA Optics Assembly.
7. Reposition and secure Display Assembly.
8. Install Protective Wire Cover.
9. Install Enclosure Assembly.

Verification

Perform these procedures:

- Update Parameter 31.25 (MEIA LMP REF#) with new R= value when stabilized (approximately 10 minutes).
- MEIA Carousel Calibration ([VP-30](#))
- Matrix Count Check ([VP-31](#))
- MEIA Initialization Photo Calibration ([VP-27](#))

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4 Removal & Replacement Procedures LCx[®] Analyzer Service Manual (Text P/N 47278-102)

RR-4.1: MEIA Optics Assembly

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