RR-3.3: CAROUSEL MOTOR ASSEMBLY (pg 1 of 3)



Removal

- 1. Remove Enclosure Assembly (RR-1.3).
- 2. Raise Display to upright position (RR-8.1.1).
- 3. Remove left VDE Cover (PL-10, item 2).
- 4. Remove Reagent Shroud Assembly (RR-2.3).
- 5. Remove Amplification Vial Retainer (RR-2.11).
- 6. Remove Protective Wire Cover (RR-2.7).
- 7. Remove Air Duct Cover (RR-2.8).
- 8. Remove MEIA Optics Assembly (RR-4.1).
- 9. Tilt back Card Cage (RR-8.0).
- 10. Disconnect Carousel Motor Assembly Cable (P4) from Motor Driver Board.

- 11. Remove 2 mounting screws and Carousel Home Sensor.
- 12. Remove wires from cable clamps. (Cut cable ties if necessary.)
- 13. Remove 3 mounting screws; lift Boom Assembly and set aside.
- 14. Remove 3 mounting screws from bracket; remove Carousel Motor Assembly.

Removal & Replacement Procedures

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RR-3.3: Carousel Motor Assembly

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RR-3.3: Carousel Motor Assembly (pg 2 of 3)

Replacement

- 1. Install Carousel Motor Assembly:
 - a. Place Carousel Motor bracket over mounting holes.
 - b. Secure Carousel Motor Bracket to base with 3 mounting screws.
- 2. Install Carousel Home Sensor:
 - a. Place Carousel Home Sensor over mounting holes with embossed dot on top of sensor to the left.
 - b. Secure with 2 mounting screws.
 - c. Route sensor wires through notch in base rib.

- 3. Connect Carousel Motor Assembly Cable to Motor Driver (P4).
- 4. Secure wires in cable clamps.
- 5. Tilt Card Cage to upright position.
- 6. Install MEIA Optics Assembly.
- 7. Install Air Duct Assembly.
- Install Boom Assembly (RR-3.9).
 Install Amplification Vial Retainer.
- 10. Install Reagent Shroud Assembly.
- 11. Install left VDE Cover.
- 12. Install Protective Wire Cover.
- 13. Reposition and secure Display Assembly.14. Install Enclosure Assembly.

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PL-3
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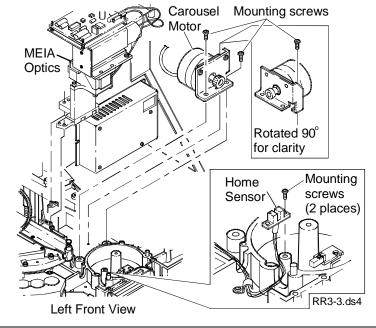
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RR-3.3: Carousel Motor Assembly (pg 3 of 3)

Verification

Perform these procedures:

- Carousel Motor and Gear Adjustment (VP-19)
- Bar Code Check (VP-4)
- MEIA Carousel Calibration (VP-30)
- Boom Calibration (VP-8)
- Level Sense Check (VP-11)
- AVR Alignment (VP-64)
- MEIA Photo Calibration (VP-27A)
- Dispense Check (VP-13)



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