

## RR-3.3: CAROUSEL MOTOR ASSEMBLY

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### 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.

## RR-3.3: Carousel Motor Assembly

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### 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.
8. Install Boom Assembly (RR-3.9).
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.

## 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)

