



### Removal

1. Remove Enclosure Assembly (RR-1.3).
2. Raise Display to upright position (RR-8.1.1).
3. Remove Probe Assembly (RR-3.5).
4. Remove the left screw from the Protective Wire Cover.
5. Remove left VDE Cover:
  - a. Remove 2 mounting screws.
  - b. Remove Cover.
6. Remove Reagent Shroud (RR-2.3).
7. Tilt back Card Cage (RR-8.0).

8. Remove Boom Assembly:
  - a. Disconnect Boom Assembly cable from Motor Driver Board (P5).
  - b. Remove cable from cable clamp.
  - c. Disconnect Retainer Clip Assembly Cable P1 and Carousel Receiver P4 at LLS Board.
  - d. Remove 3 Boom mounting screws.

*NOTE: Carefully lift up left corner of Protective Wire Cover to allow clearance to remove Boom Assembly.*

- e. Lift out Boom Assembly.

### Replacement

*NOTE: Carefully lift up left corner of Protective Wire Cover to allow clearance to install Boom Assembly.*

1. Install Boom Assembly:
  - a. Insert assembly into analyzer over base mounting holes.
  - b. Insert and tighten 3 Boom mounting screws.
  - c. Connect Boom Assembly cable to Motor Driver Board (J5).
  - d. Secure Boom Assembly cable in cable clamp.

Replacement, step 1 (cont)

- e. Connect Retainer Clip Assembly Cable P1 and P4 Carousel Receiver Cable at LLS Board.
2. Tilt up Card Cage.
3. Install Reagent Shroud.
4. Install left screw in Protective Wire Cover.
5. Install left VDE Cover. Secure cover with 2 mounting screws.
6. Install Probe Assembly.
7. Reposition and secure Display Assembly.

## RR-3.9: Boom Assembly (pg 3 of 3)

### Verification

Perform these procedures:

- Reagent Heater Block Adjustment ([VP-21](#))
- Bar Code Check ([VP-4](#))
- Boom Calibration ([VP-8](#))
- Level Sense Adjustment ([VP-12](#))
- Dispense Check ([VP-13](#))

