

VP-12: LEVEL SENSE ADJUSTMENT (pg 1 of 3)



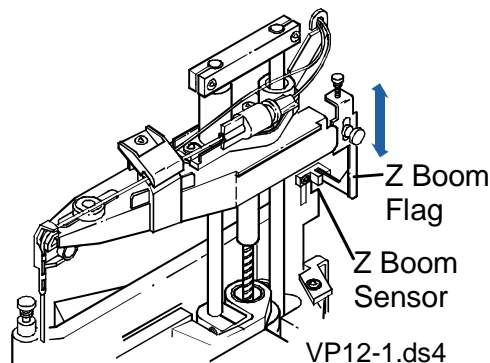
Time: 5-15 minutes

Purpose: To adjust movement of boom from the top position to a known quantity of liquid in the carousel

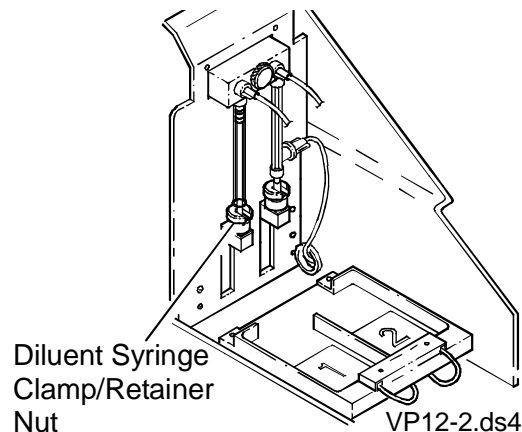
1. Perform Level Sense Check (VP-11).
2. If range > 3, check for bubbles.
If no bubbles, clean probe with water and Ethanol; repeat Level Sense Check (VP-11).

3. If levels are not in the range 260-270, adjust Z-boom flag (down to raise number) until levels are 265 ± 3 (Figure VP12-1).
 - a. Edit parameter 18.16 to 280:
 - EXIT
 - SYSTEM
 - FILES
 - 18.16
 - DISPLAY
 - If ASPLIM < 270, enter 280.
 - STORE
 - EXIT
 - b. Adjust Z-boom flag.

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4. Disconnect the Diluent Syringe Retainer Nut (Figure VP12-2). This prevents the system from dispensing additional liquid into the sample well.



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5. Perform Level Sense Check (VP-11).
6. Continue adjusting the flag and performing Level Sense Checks until levels are 265 ± 3 .
7. Reinstall the Diluent Syringe Retainer Nut.
8. Perform **ENTIRE** Boom Calibration (VP-8).