

Versette Stage Installation & Removal

Automated Liquid Handlers
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Introduction

The Thermo Scientific™ Versette™ is a compact automated liquid handler that fits a wide range of research laboratories.

This technical note describes how to easily install and remove the 6 Position Stage for setting up and dismantling the unit. For detailed instructions refer to the Calibration section in the Versette User Manual.

The system must be installed in a very precise, level manner to ensure proper precision dispense quality and accuracy. Take care to place a precision level on multiple locations (front and back, left and right), on the system baseplate to ensure proper leveling of the system.



Required Equipment

- Versette Base Unit
- 6 Position Stage
- NTC 96/384 Pipetting Module
- Thermo Scientific™ ControlMate™ Software, installed on computer or laptop with communications cable
- 2.5 mm and 4 mm Allen Wrenches
- Level

Procedure

Follow these basic guidelines to easily attach the 6 Position Stage onto the Versette Base Unit.

Installing the 6 Position Stage

1. Remove the transport lock.



2. Manually slide the stage locking pin to the rear of the base unit.



3. Carefully place the stage assembly onto the base platform and align to the four corner pins. Push gently, but firmly, onto the stage so it drops down onto the four pins and locks into position.



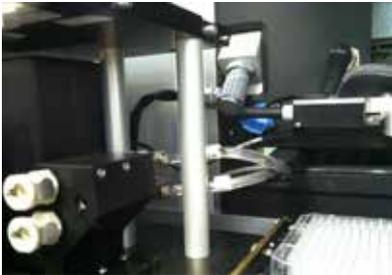
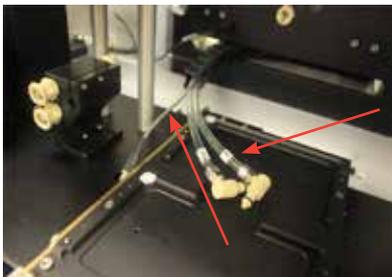
4. Secure the stage assembly onto the base unit with the four button head screws using a 4 mm Allen wrench.



5. Hold the front of the stage with one hand, and with the other reach back underneath the stage and slide the locking pin toward the front of the unit to engage it under the stage.



6. Install connectors (stage control cable/shield cable) to the tower. Also connect the tubing and tip wash sensor into the pump module using a 2.5 mm Allen wrench.



7. Power-up the instrument.

- To check that the stage is securely in position, when you turn on the Versette the stage will home to the back-left of the machine. Try to move the stage by hand with a gentle push. If the stage moves then it is not properly engaged onto the base unit on the locking pin. If it is secure then the stage is properly mounted.

8. Install the NTC Pipetting Module.

- Through the onboard GUI: System Configuration/Install Pipetting Module/Follow Prompts
- Via ControlMate Software/Workstation: the software guides you through the process

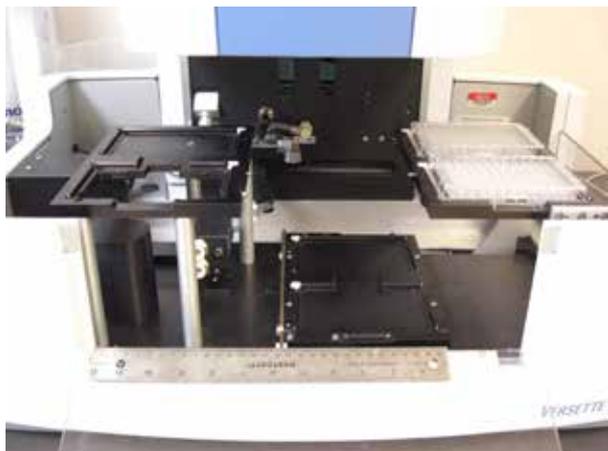
Follow these basic guidelines to easily remove the 6 Position Stage from the Versette Base unit.

Removing 6 Position Stage

1. Remove the NTC Pipetting Module through the ControlMate Software. Close the window after removing the NTC, and do not proceed with the install.
2. Turn off power to the Versette.
 - Make sure the 'release bar' is positioned 'up.' Press down on the release block to lower the mechanism so the release bar can be switched to the 'up' position.



3. Disconnect all connections from the base unit.
 - Stage control cable and shield cable from tower.
 - Pump tubing connectors and sensor cable from the pump module. Be sure to loosen the two Allen screws to allow release of the sensor cable. Tuck tubing away in open slot in the rear of the instrument.
4. Open the slider and move the stage along the 'X Axis' about 15.5–16.5 cm to the right until the release hole is located through the bottom of the stage.
5. Using the 2.5 mm Allen wrench, push it down through the stage into the locking pin until the stage disengages.
 - Keep the wrench pushed down while trying to disengage the stage. Once you can lift up the stage, remove the wrench.



6. Lift the stage completely off the base unit.



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